

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052765.D
 Acq On : 10 Dec 2018 20:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:46:06 PM

Quant Time: Dec 11 03:07:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	969029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1500094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1341055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	650052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	530890	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	7.59	113	395433	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	
50) Toluene-d8	10.09	98	1834356	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	651403	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	372369	41.040	ug/l	98
3) Chloromethane	2.06	50	481939	40.239	ug/l	99
4) Vinyl Chloride	2.19	62	514562	41.823	ug/l	100
5) Bromomethane	2.57	94	280552	36.547	ug/l	99
6) Chloroethane	2.71	64	321608	43.155	ug/l	99
7) Trichlorofluoromethane	3.02	101	689786	45.643	ug/l	100
8) Diethyl Ether	3.41	74	275039	49.282	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	445820	47.276	ug/l	98
10) Methyl Iodide	3.96	142	564395	44.936	ug/l	99
11) Tert butyl alcohol	4.77	59	159146	301.293	ug/l	100
12) 1,1-Dichloroethene	3.74	96	418825	46.140	ug/l	99
13) Acrolein	3.61	56	98055	106.810	ug/l	100
14) Allyl chloride	4.33	41	720392	46.047	ug/l	99
15) Acrylonitrile	4.99	53	867159	259.346	ug/l	99
16) Acetone	3.82	43	592091	212.759	ug/l	99
17) Carbon Disulfide	4.06	76	1073221	37.570	ug/l	100
18) Methyl Acetate	4.32	43	445195	55.770	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1270608	52.610	ug/l	99
20) Methylene Chloride	4.55	84	496640	45.604	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	444679	45.868	ug/l	94
22) Diisopropyl ether	5.95	45	1587430	48.306	ug/l	98
23) Vinyl Acetate	5.90	43	4657640	227.554	ug/l	99
24) 1,1-Dichloroethane	5.85	63	894728	47.685	ug/l	99
25) 2-Butanone	6.83	43	967538	245.288	ug/l	97
26) 2,2-Dichloropropane	6.83	77	615892	47.423	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	544297	48.197	ug/l	98
28) Bromochloromethane	7.19	49	410679	47.920	ug/l	94
29) Tetrahydrofuran	7.21	42	648586	254.929	ug/l	98
30) Chloroform	7.37	83	894856	47.802	ug/l	98
31) Cyclohexane	7.65	56	780105	42.904	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	735904	49.616	ug/l	99
36) 1,1-Dichloropropene	7.79	75	655539	46.276	ug/l	98
37) Ethyl Acetate	6.93	43	435005	50.317	ug/l	98
38) Carbon Tetrachloride	7.78	117	629704	49.104	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	778279	45.202	ug/l	99
40) Benzene	8.04	78	2018705	47.818	ug/l	100
41) Methacrylonitrile	7.17	41	232198	49.127	ug/l	93
42) 1,2-Dichloroethane	8.13	62	631075	49.369	ug/l	99
43) Isopropyl Acetate	8.16	43	834106	57.012	ug/l	96
44) Trichloroethene	8.84	130	548650	50.736	ug/l	100
45) 1,2-Dichloropropane	9.12	63	548039	48.828	ug/l	99
46) Dibromomethane	9.21	93	318053	51.189	ug/l	98
47) Bromodichloromethane	9.40	83	684034	50.636	ug/l	99
48) Methyl methacrylate	9.20	41	406305	53.260	ug/l	99
49) 1,4-Dioxane	9.20	88	92832	1172.519	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2220670	270.526	ug/l	99
52) Toluene	10.16	92	1246085	49.679	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	684882	52.700	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	797413	51.202	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	463180	52.497	ug/l	100
56) Ethyl methacrylate	10.43	69	627151	51.125	ug/l	97
57) 1,3-Dichloropropane	10.71	76	790327	50.731	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1692460	264.357	ug/l	98
59) 2-Hexanone	10.75	43	1500752	272.404	ug/l	99
60) Dibromochloromethane	10.90	129	512650	53.498	ug/l	100
61) 1,2-Dibromoethane	11.01	107	456459	52.089	ug/l	100
64) Tetrachloroethene	10.63	164	587435	56.497	ug/l	98
65) Chlorobenzene	11.43	112	1396786	50.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	498632	51.860	ug/l	99
67) Ethyl Benzene	11.51	91	2428894	50.159	ug/l	100
68) m/p-Xylenes	11.62	106	1824743	101.222	ug/l	99
69) o-Xylene	11.95	106	894787	51.113	ug/l	100
70) Styrene	11.96	104	1496579	53.674	ug/l	99
71) Bromoform	12.13	173	356803	56.046	ug/l #	100
73) Isopropylbenzene	12.25	105	2408193	47.219	ug/l	99
74) N-amyl acetate	12.07	43	710521	55.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	546095	47.071	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	484896m	48.373	ug/l	
77) Bromobenzene	12.53	156	610679	48.444	ug/l	98
78) n-propylbenzene	12.59	91	2778101	47.949	ug/l	99
79) 2-Chlorotoluene	12.68	91	1618538	46.910	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1963362	48.269	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	152852	50.922	ug/l	98
82) 4-Chlorotoluene	12.77	91	1670240	48.032	ug/l	99
83) tert-Butylbenzene	12.99	119	1732045	47.765	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2006334	49.219	ug/l	100
85) sec-Butylbenzene	13.17	105	2369413	47.974	ug/l	99
86) p-Isopropyltoluene	13.29	119	2050714	48.749	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1098608	49.822	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1079753	49.713	ug/l	99
89) n-Butylbenzene	13.62	91	1746347	49.917	ug/l	99
90) Hexachloroethane	13.88	117	341068	47.884	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1060967	50.361	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89476	53.925	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	604615	52.255	ug/l	100
94) Hexachlorobutadiene	15.01	225	322073	47.522	ug/l	99
95) Naphthalene	15.13	128	1307875	53.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	551044	51.827	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

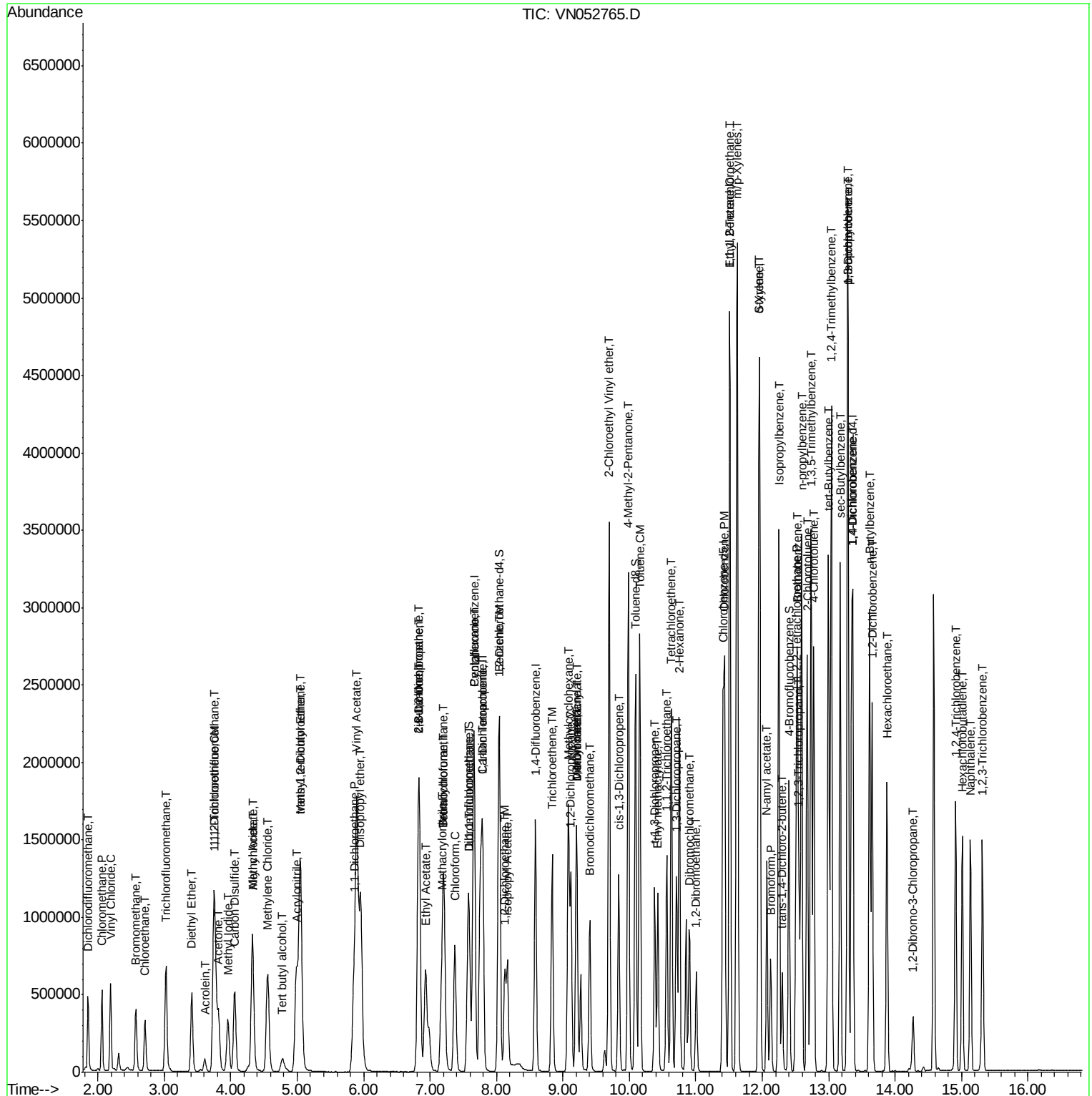
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
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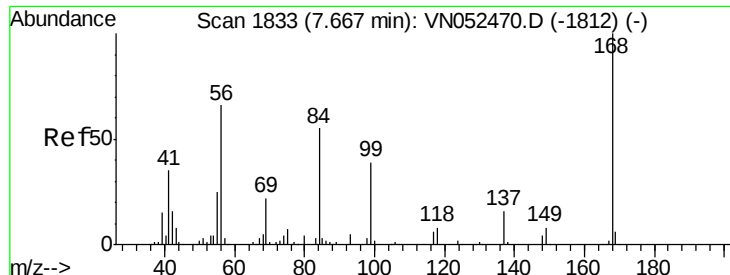
Instrument :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 969029

Ion Ratio Lower Upper

168 100

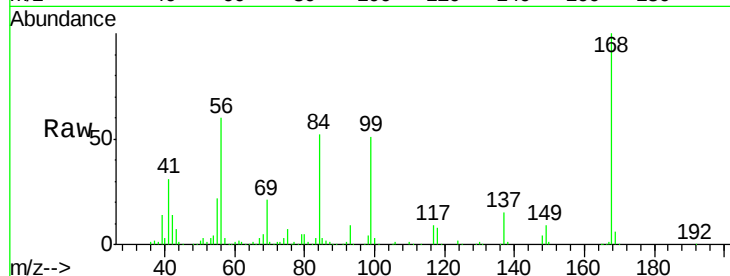
99 51.4 41.7 62.5

Manual Integrations

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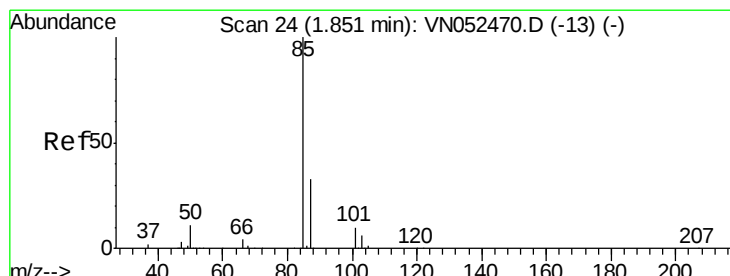
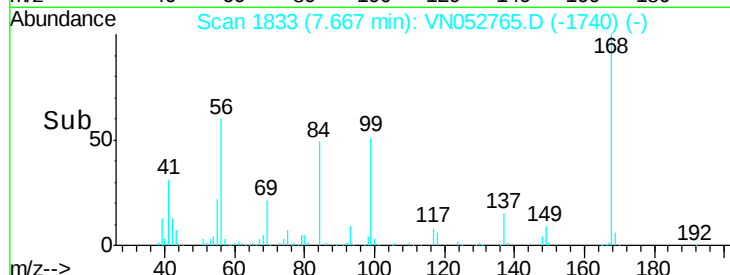
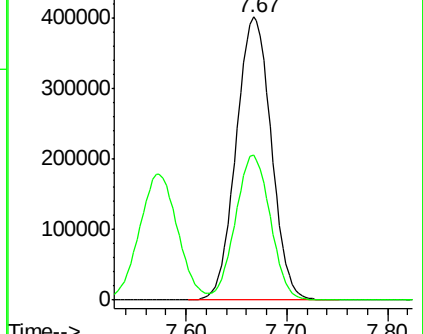
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.040 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052765.D

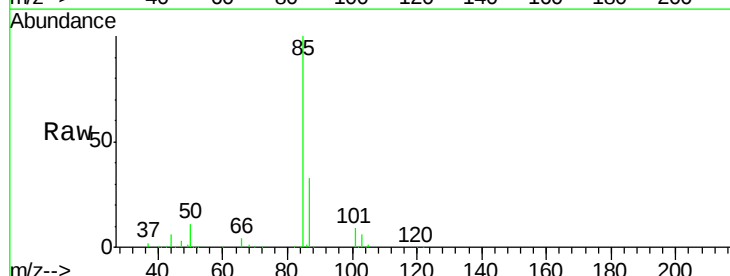
Acq: 10 Dec 2018 20:30

Tgt Ion: 85 Resp: 372369

Ion Ratio Lower Upper

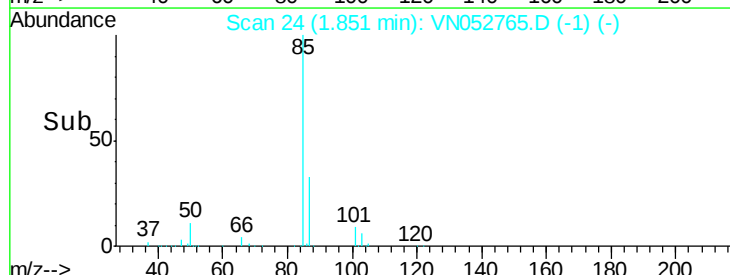
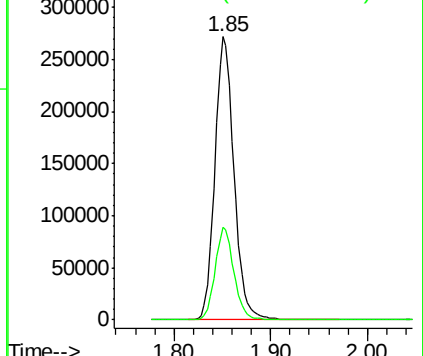
85 100

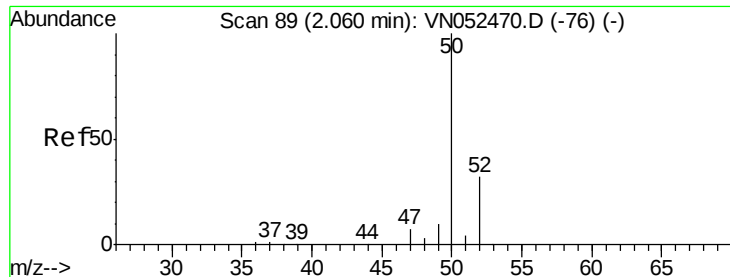
87 32.5 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 40.239 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 481939

Ion Ratio Lower Upper

50 100

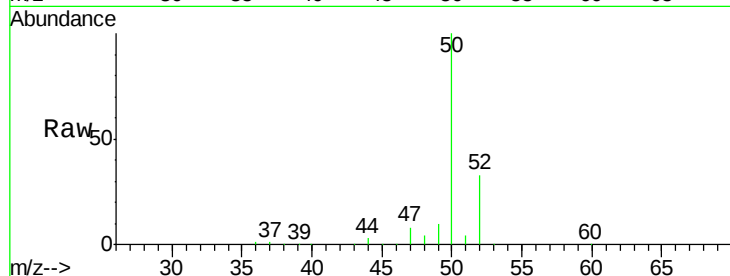
52 32.8 25.9 38.9

Manual Integrations

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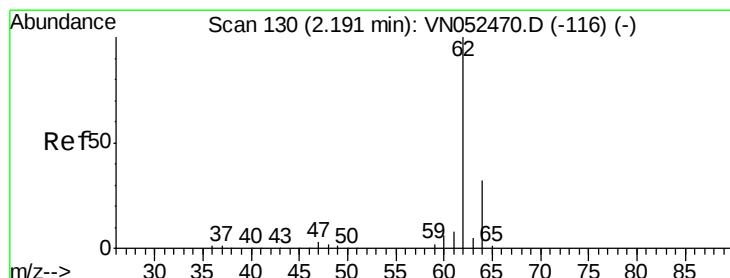
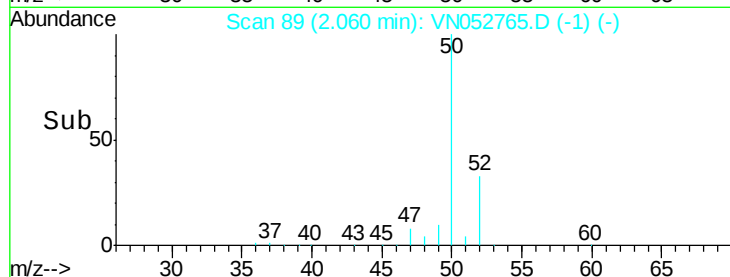
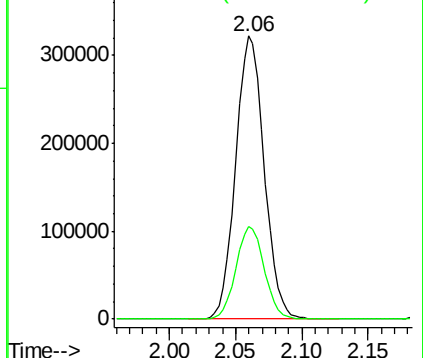
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 41.823 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052765.D

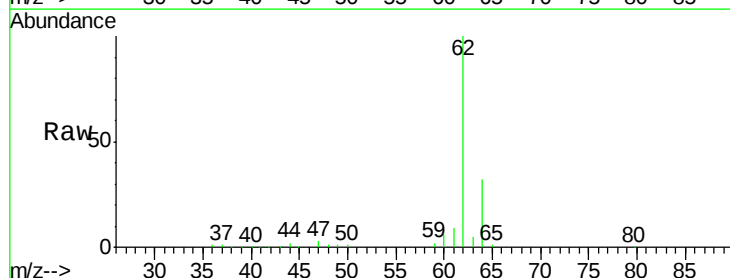
Acq: 10 Dec 2018 20:30

Tgt Ion: 62 Resp: 514562

Ion Ratio Lower Upper

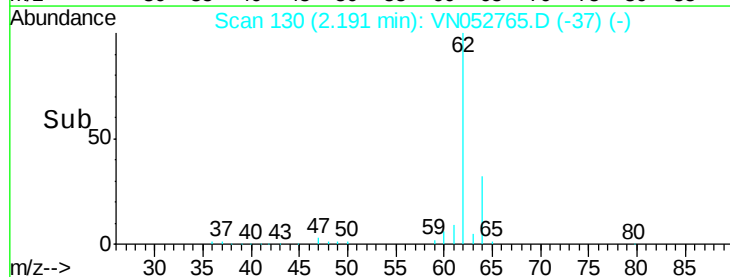
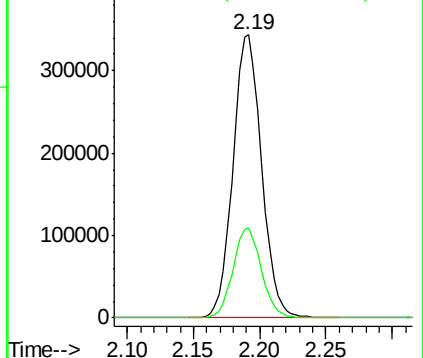
62 100

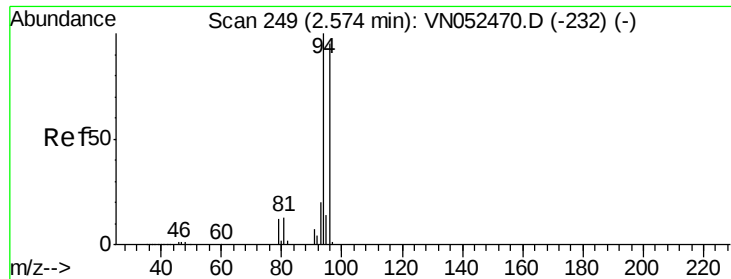
64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 36.547 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

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Tot Ion: 94 Resp: 280552

Ion Ratio Lower Upper

94 100

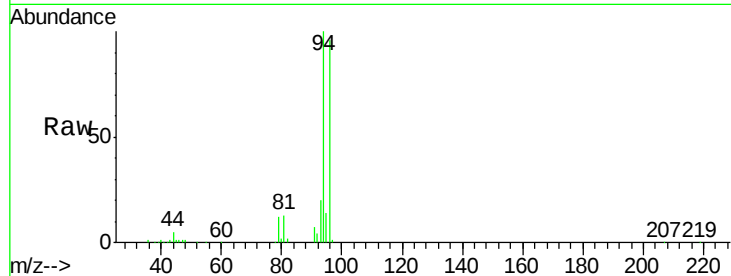
96 95.5 75.8 113.8

Manual Integrations

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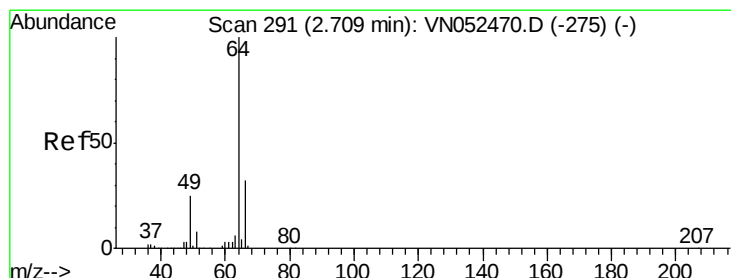
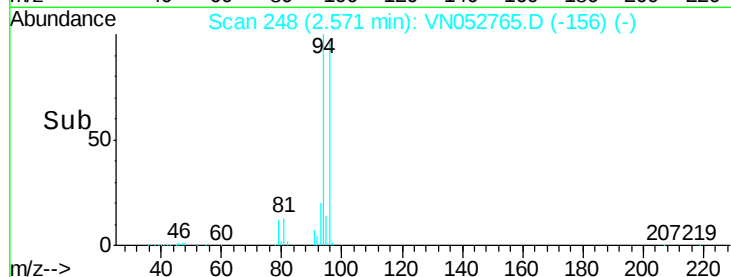
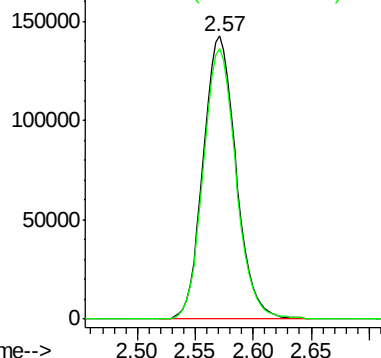
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.155 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052765.D

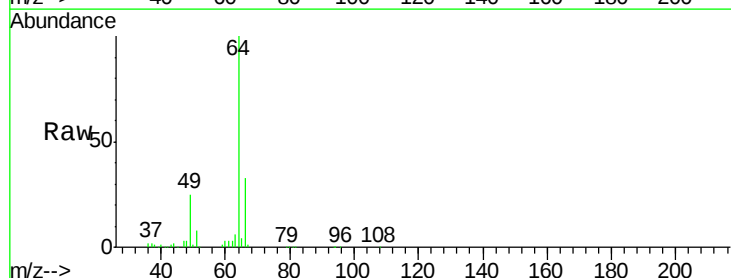
Acq: 10 Dec 2018 20:30

Tgt Ion: 64 Resp: 321608

Ion Ratio Lower Upper

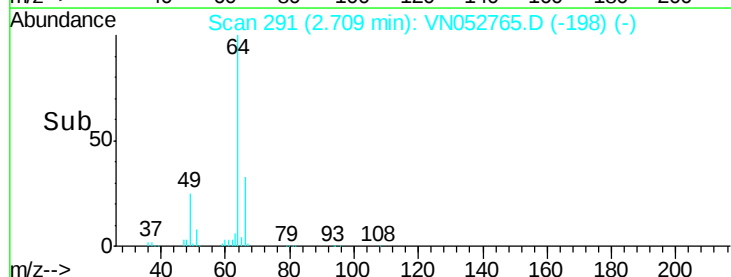
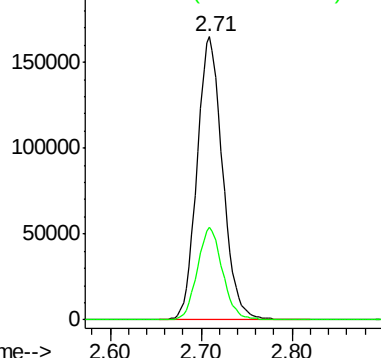
64 100

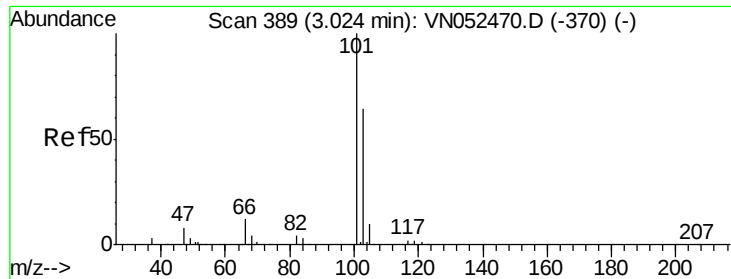
66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

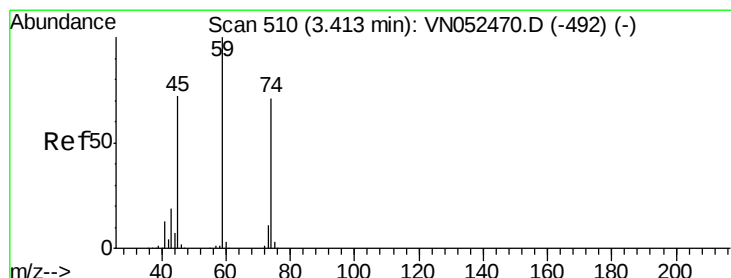
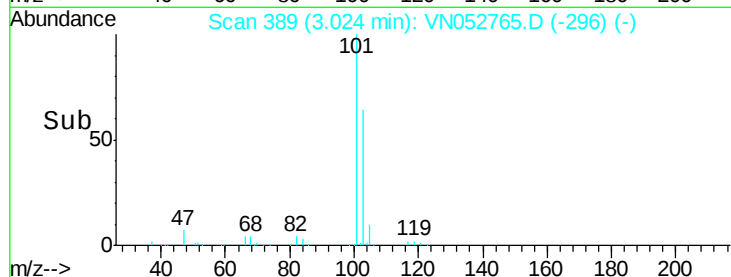
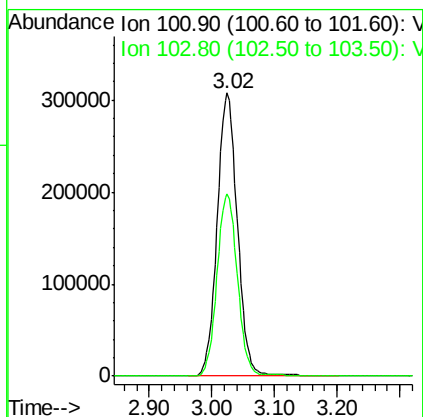
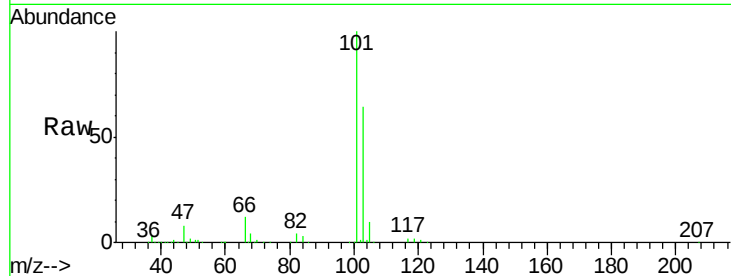
Trichlorofluoromethane
Concen: 45.643 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

Manual Integrations
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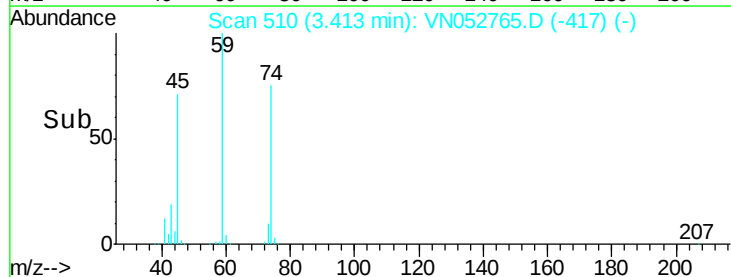
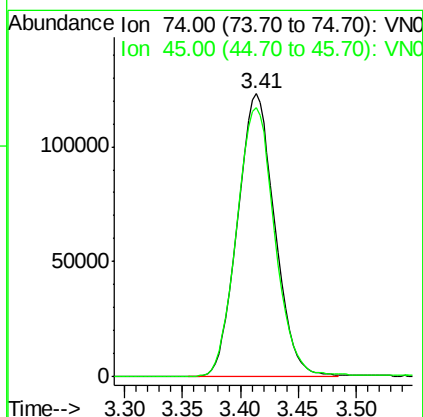
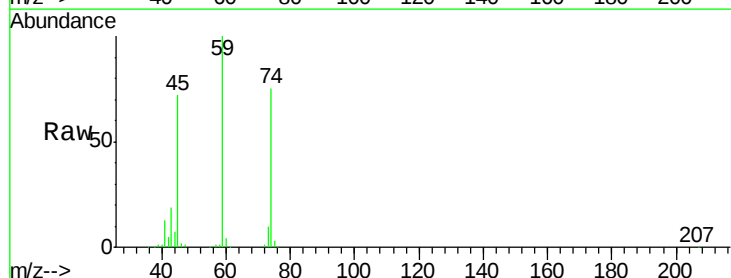
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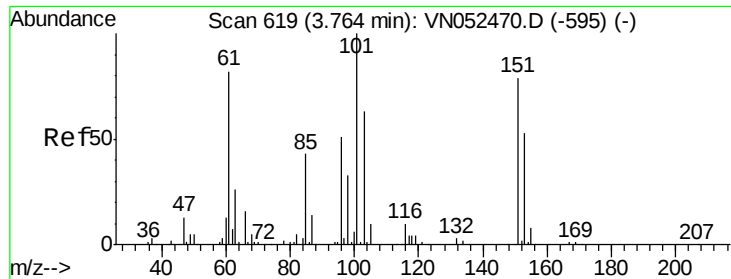


#8

Diethyl Ether
Concen: 49.282 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.276 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

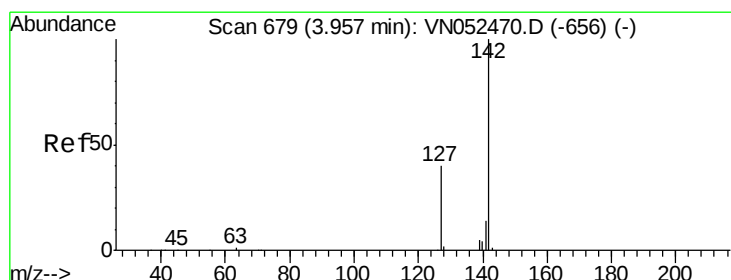
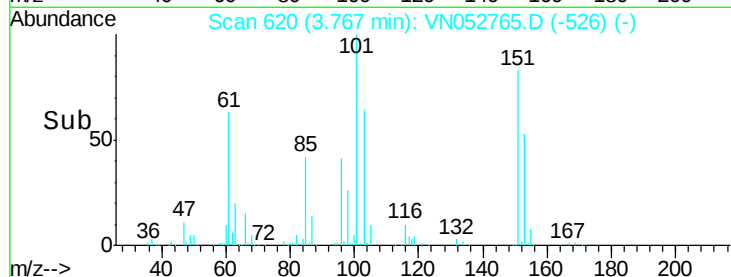
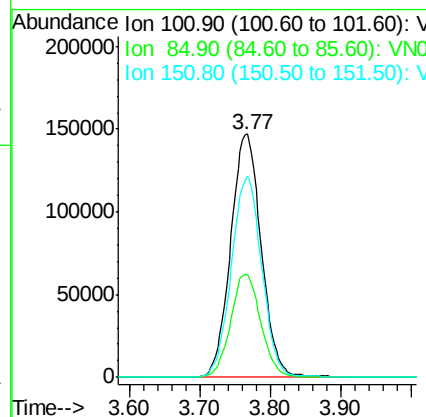
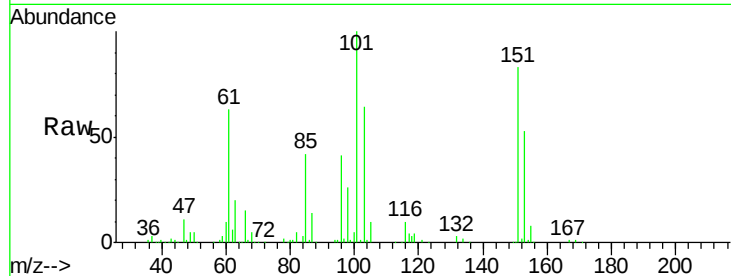
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	445820
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.4
151	82.0	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 44.936 ug/l

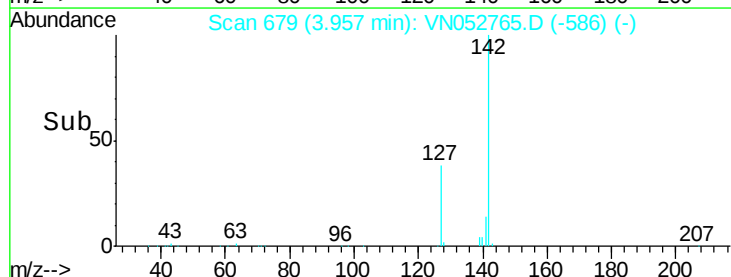
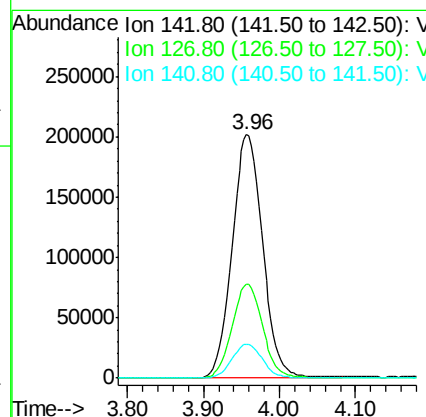
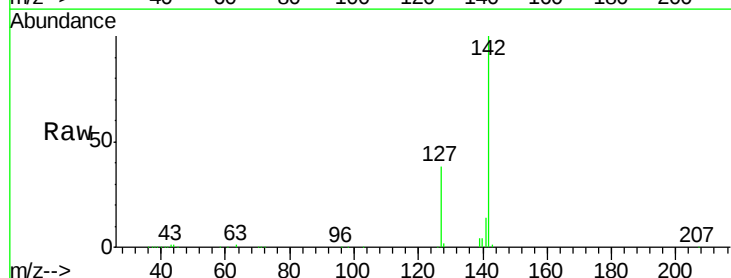
RT: 3.96 min Scan# 679

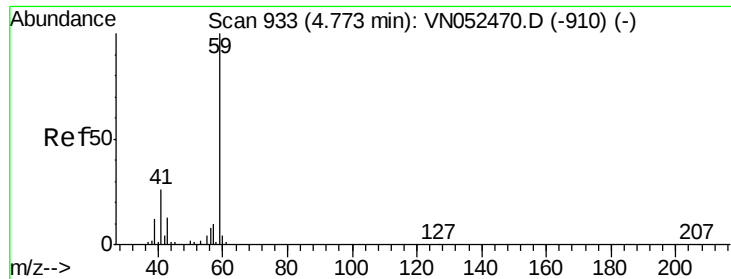
Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Tgt Ion:	142	Resp:	564395
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.8	47.6
141	14.0	11.4	17.0





#11

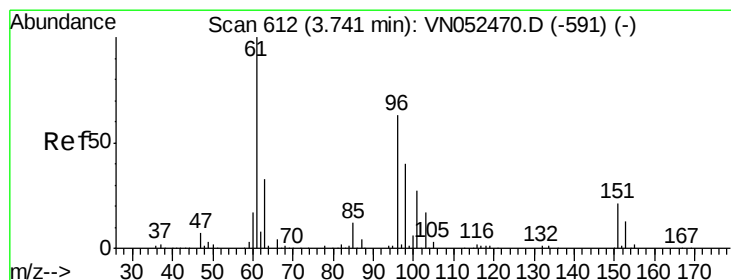
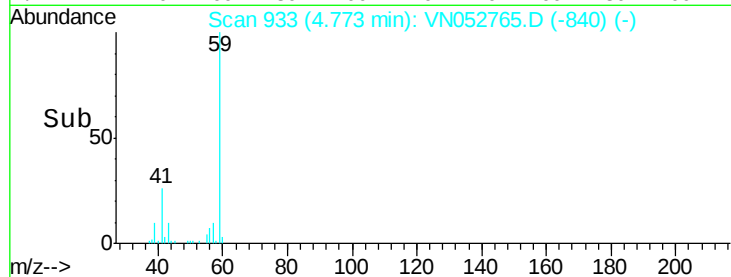
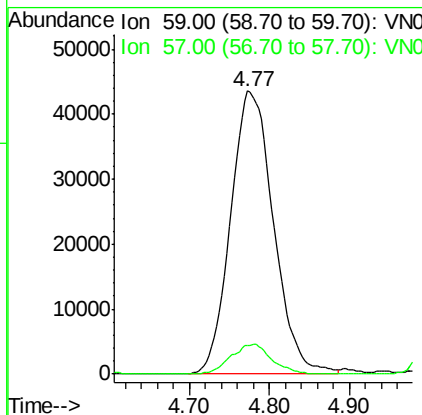
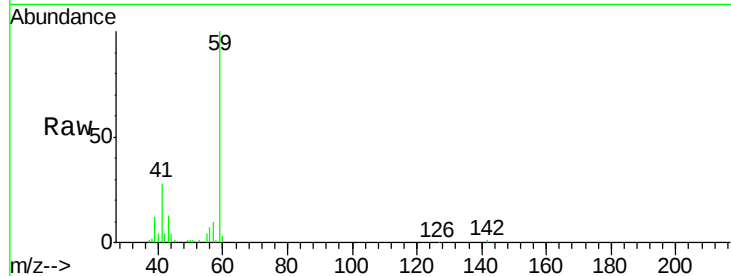
Tert butyl alcohol
Concen: 301.293 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	159146
Ion Ratio	100	Lower	Upper
57	10.0	7.9	11.9

Manual Integrations
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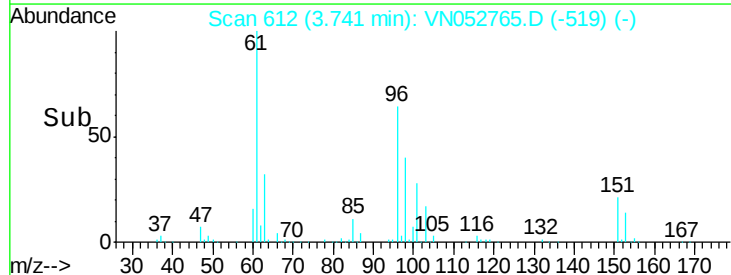
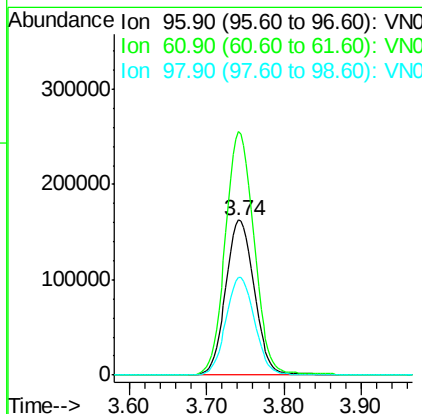
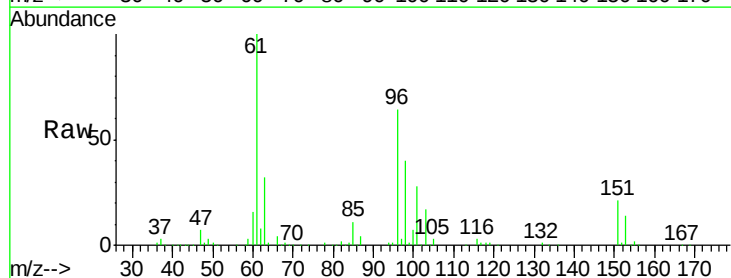
MMDadoda
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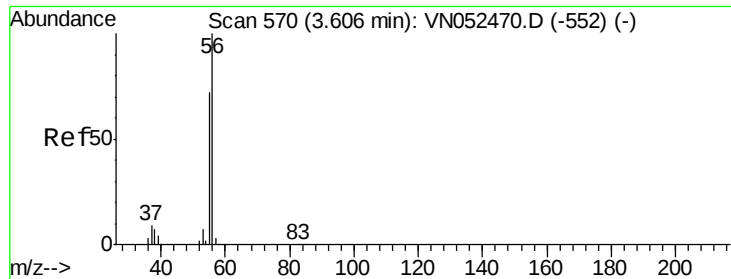


#12

1,1-Dichloroethene
Concen: 46.140 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	96	Resp	418825
Ion Ratio	100	Lower	Upper
61	157.0	127.0	190.6
98	63.2	50.3	75.5





#13

Acrolein

Concen: 106.810 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 98055

Ion Ratio Lower Upper

56 100

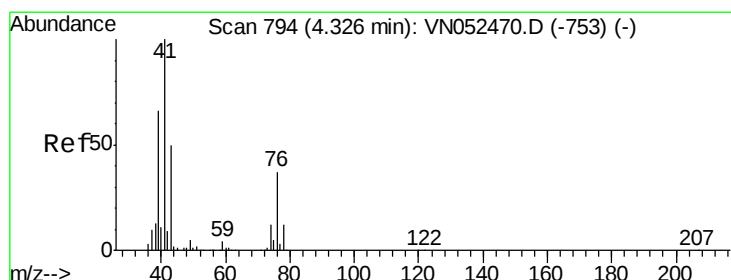
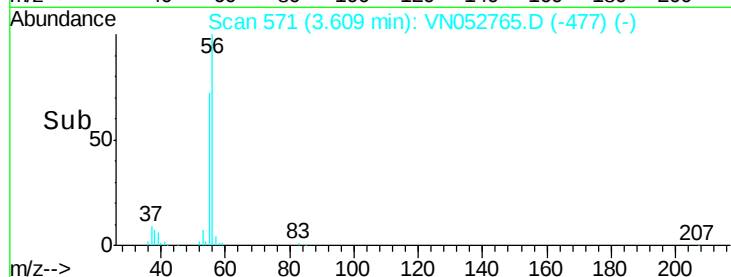
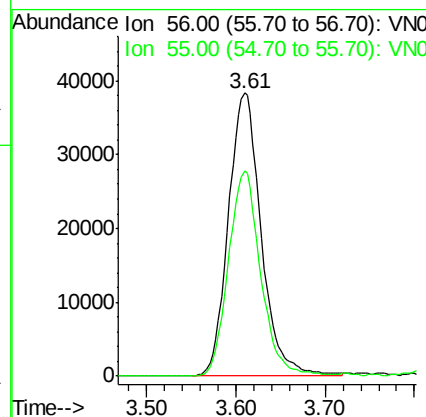
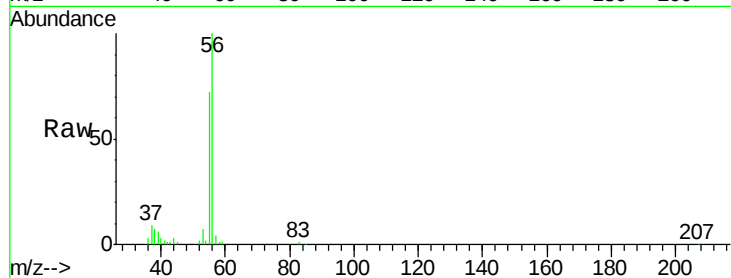
55 71.0 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 46.047 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

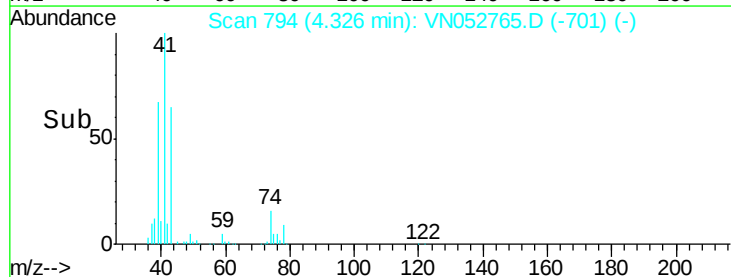
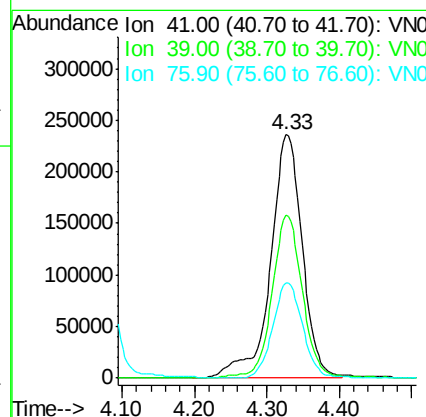
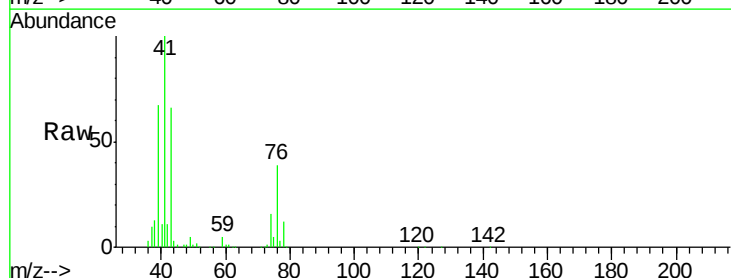
Tgt Ion: 41 Resp: 720392

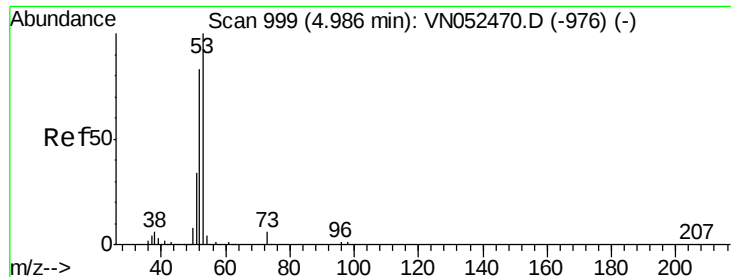
Ion Ratio Lower Upper

41 100

39 63.6 50.6 76.0

76 36.2 27.4 41.2





#15

Acrylonitrile

Concen: 259.346 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

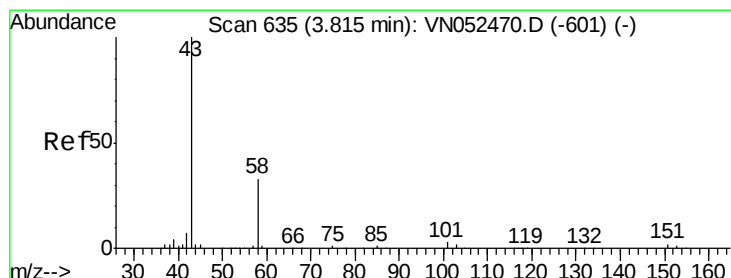
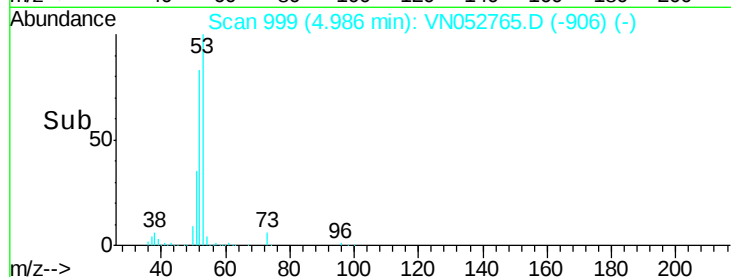
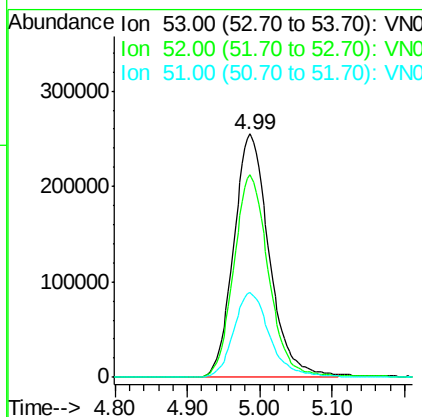
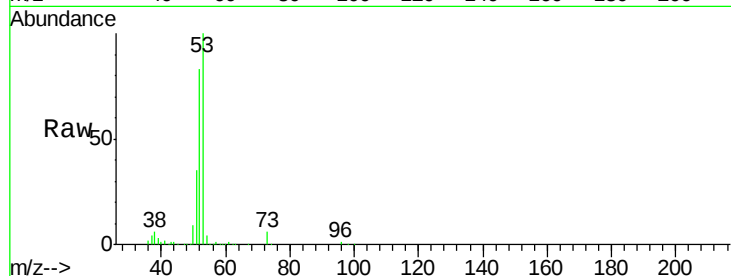
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	867159
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.2	99.2
51	35.6	28.1	42.1

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#16

Acetone

Concen: 212.759 ug/l

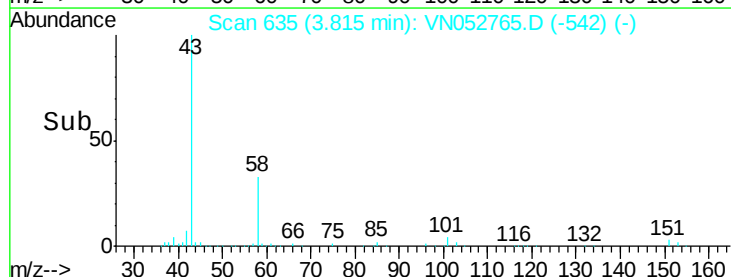
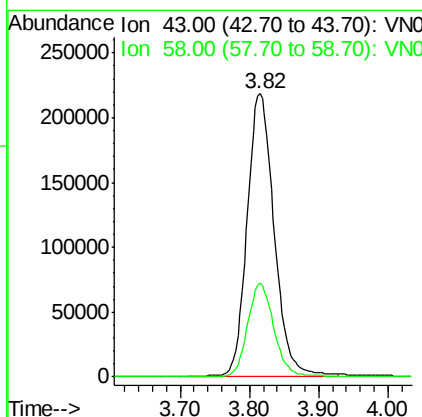
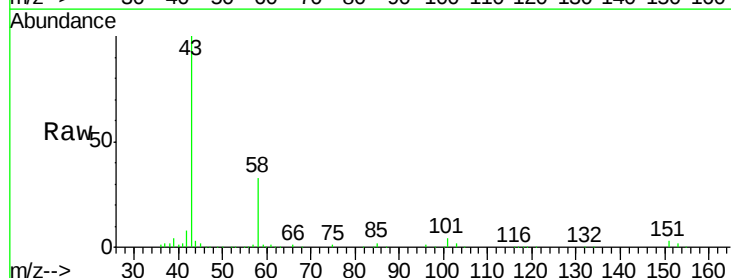
RT: 3.82 min Scan# 635

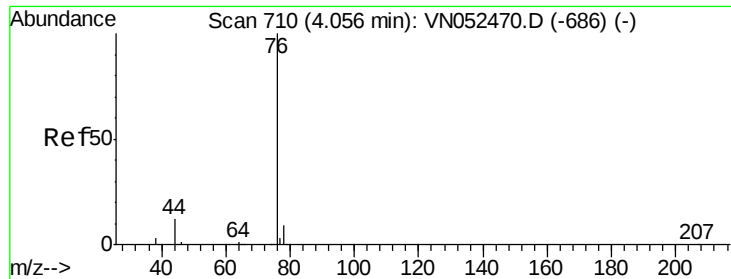
Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Tgt Ion:	43	Resp:	592091
Ion Ratio	Lower	Upper	
43	100		
58	33.0	26.0	39.0





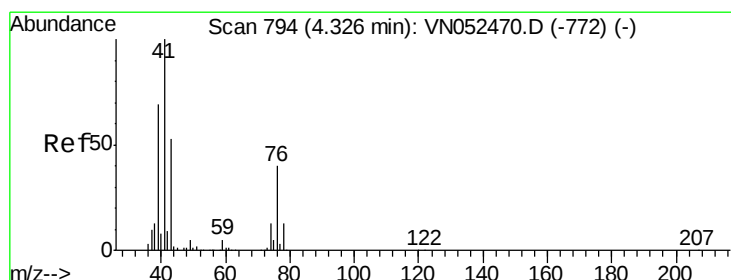
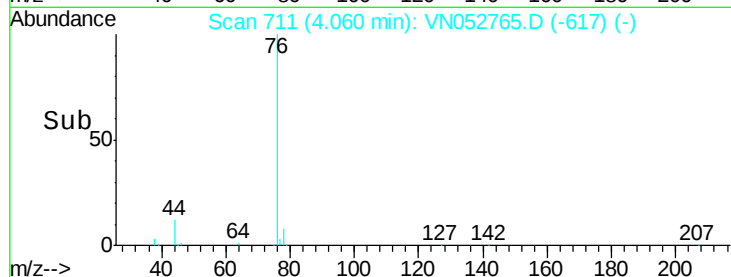
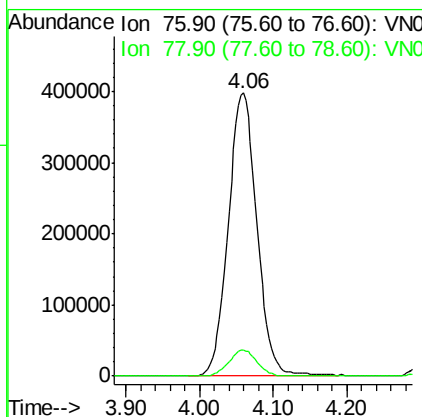
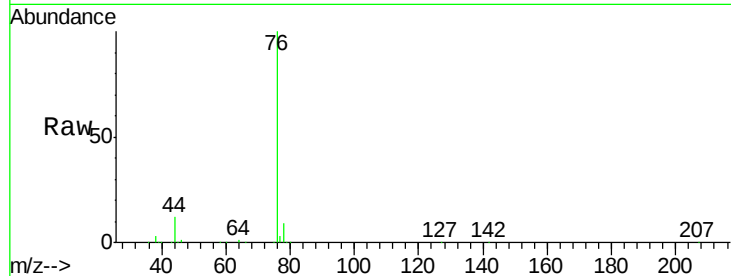
#17
Carbon Disulfide
Concen: 37.570 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1073221
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

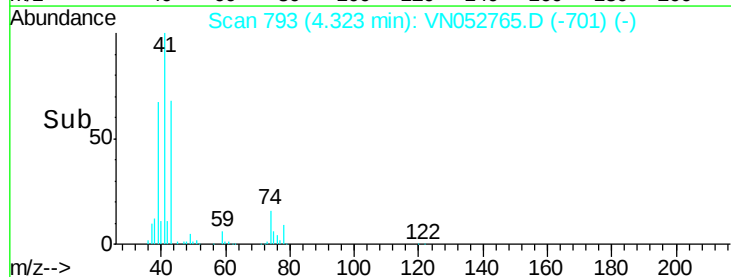
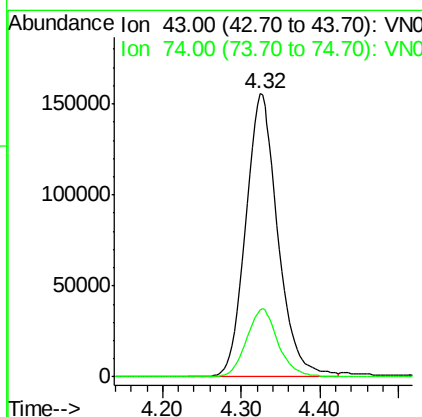
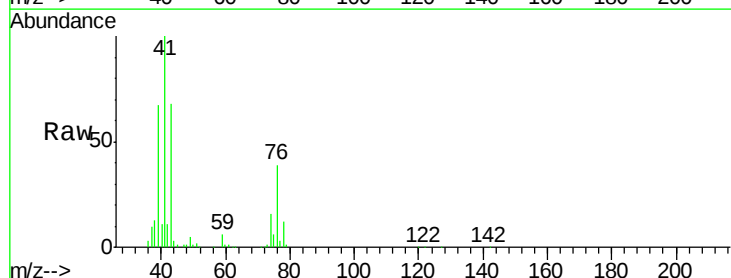
Manual Integrations
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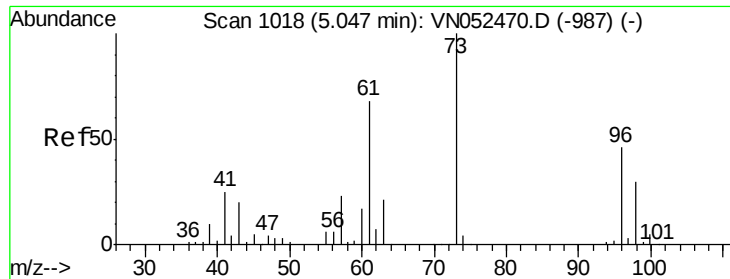
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#18
Methyl Acetate
Concen: 55.770 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 43 Resp: 445195
Ion Ratio Lower Upper
43 100
74 24.0 18.6 27.8





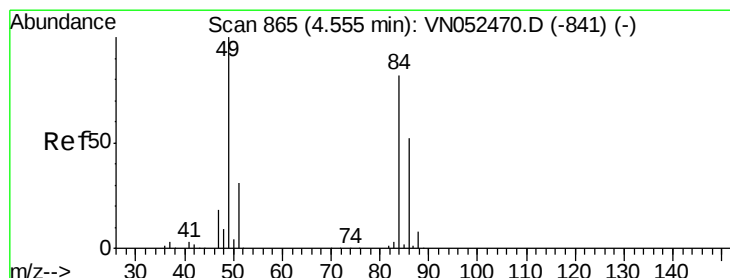
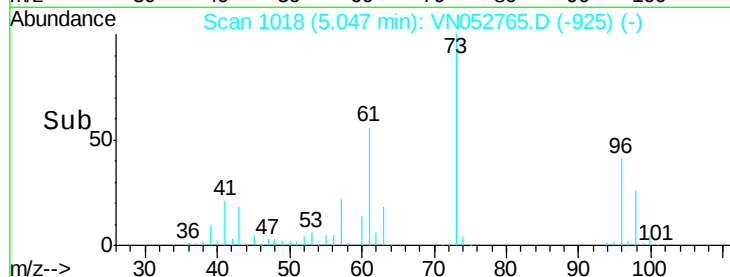
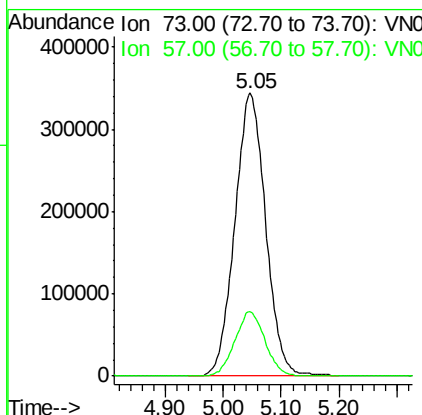
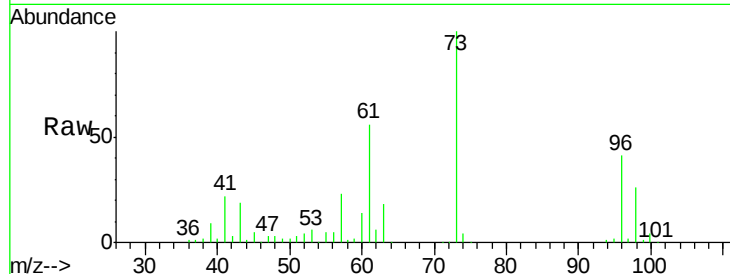
#19
Methvl tert-butvl Ether
Concen: 52.610 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1270608
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.2

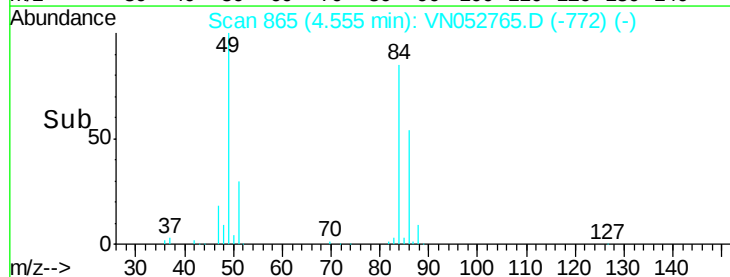
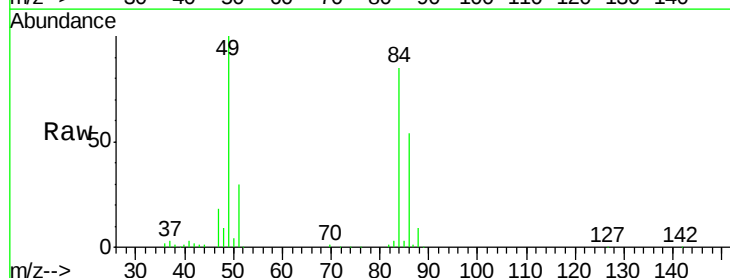
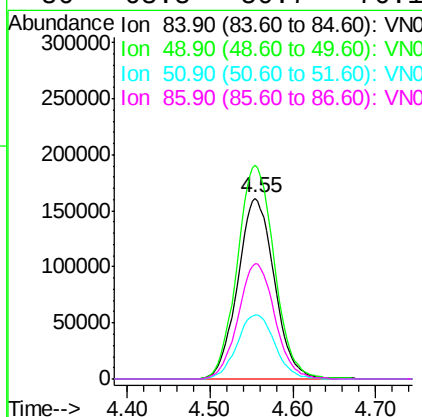
Manual Integrations
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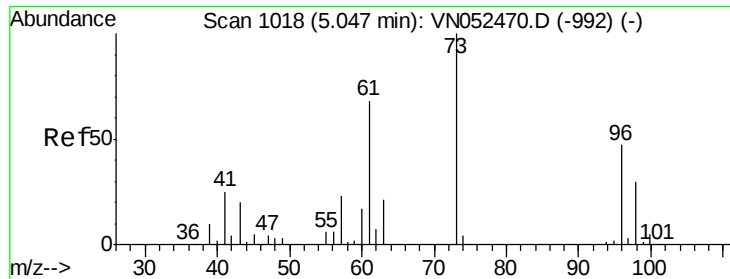
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#20
Methylene Chloride
Concen: 45.604 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 84 Resp: 496640
Ion Ratio Lower Upper
84 100
49 118.1 98.0 147.0
51 35.5 30.1 45.1
86 63.8 50.7 76.1





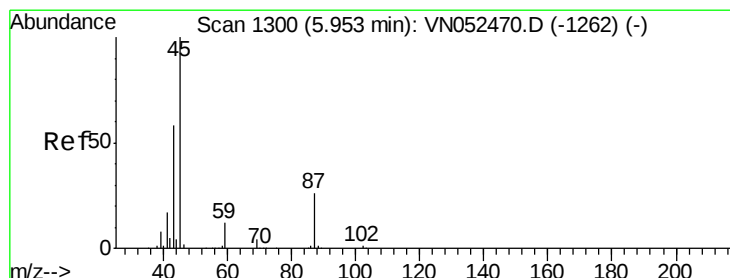
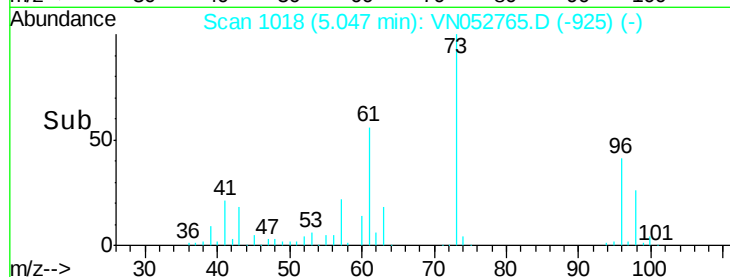
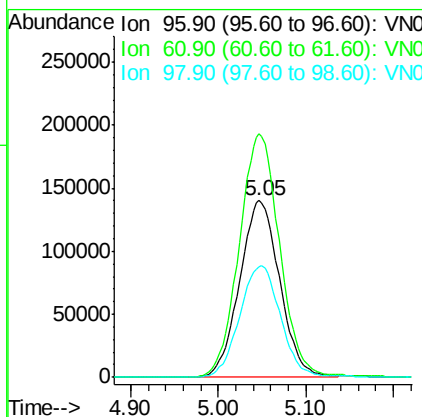
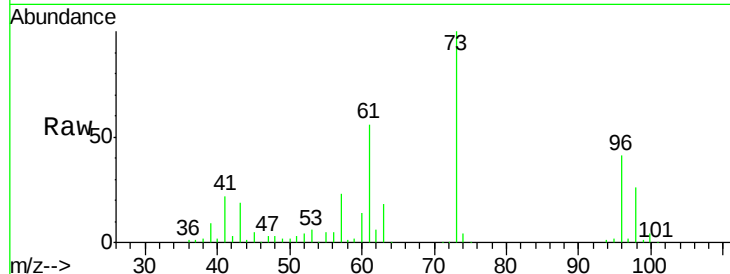
#21
trans-1,2-Dichloroethene
Concen: 45.868 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	117.0	175.4
98	62.7	51.8	77.6

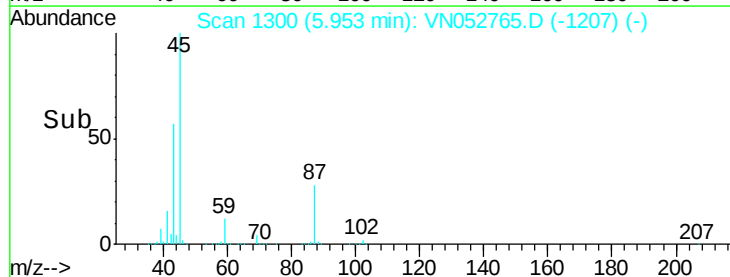
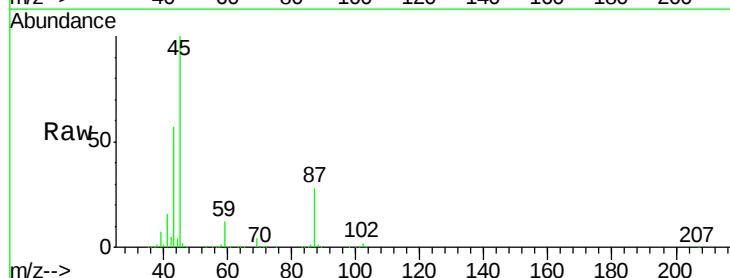
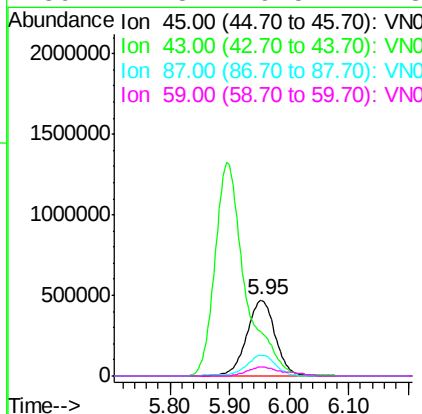
Manual Integrations
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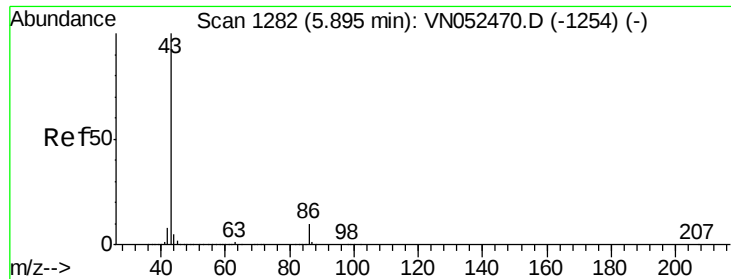
MMDadoda
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#22
Diisopropyl ether
Concen: 48.306 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.1	46.1	69.1
87	27.6	21.3	31.9
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 227.554 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4657640

Ion Ratio Lower Upper

43 100

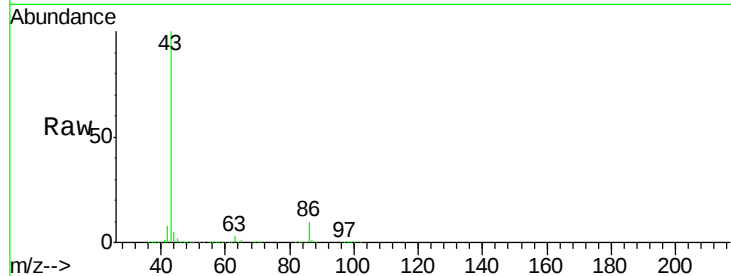
86 10.3 7.8 11.8

Manual Integrations

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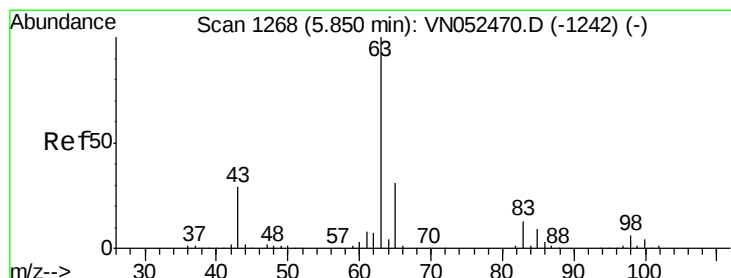
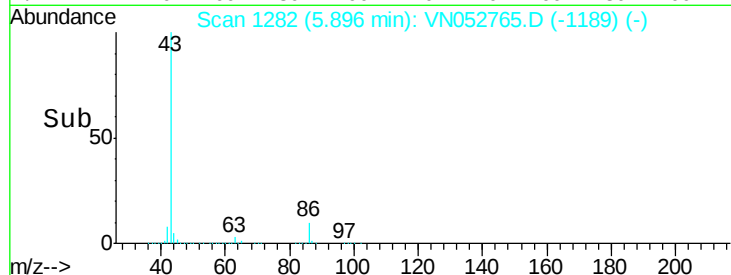
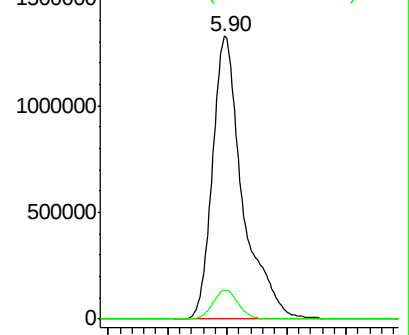
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.685 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

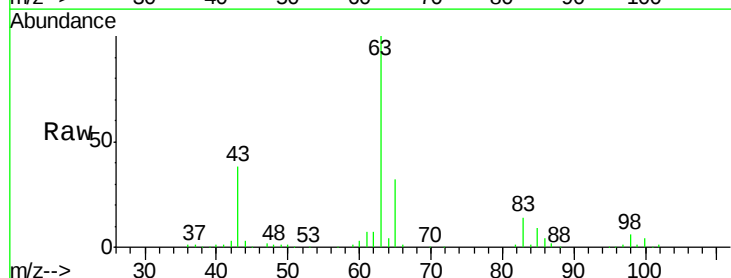
Tgt Ion: 63 Resp: 894728

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

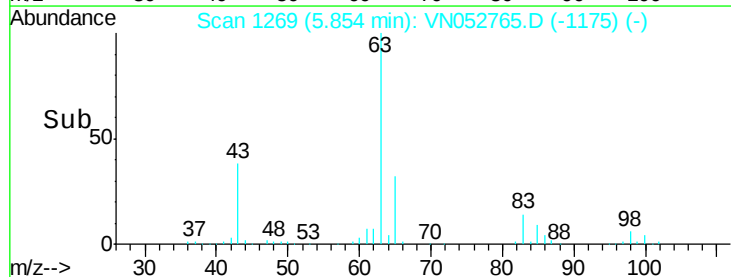
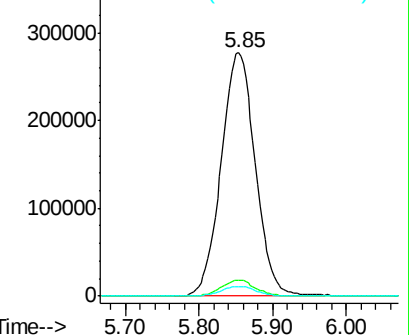
100 4.0 2.0 5.8

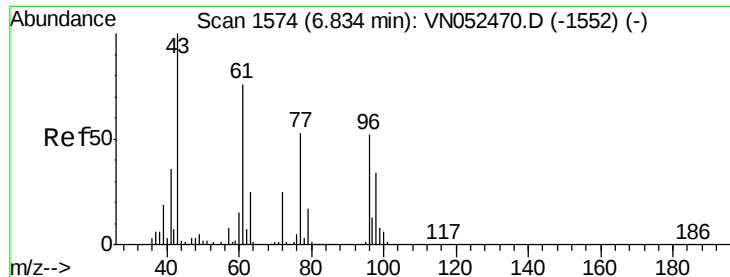


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 245.288 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 967538

Ion Ratio Lower Upper

43 100

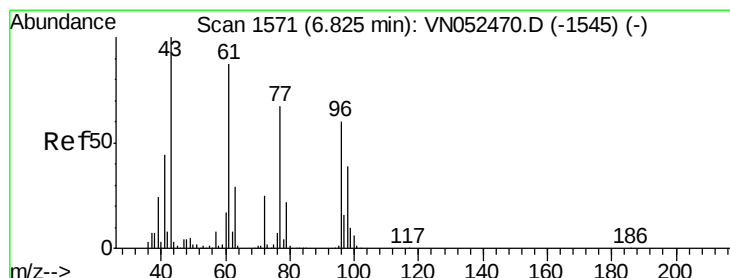
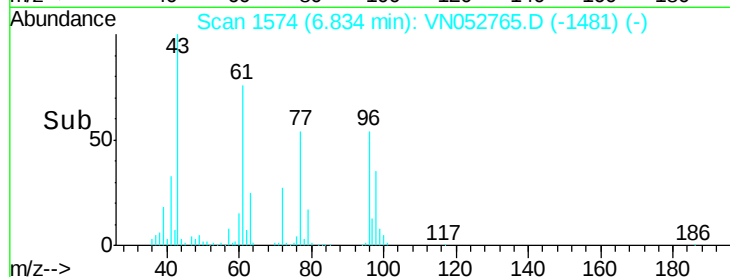
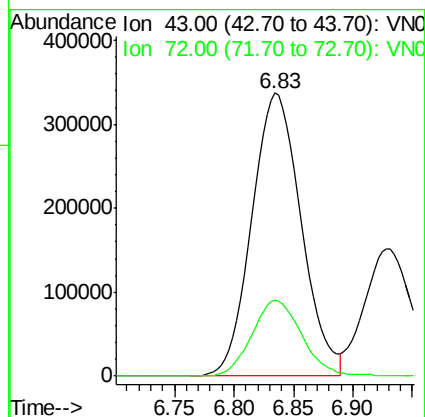
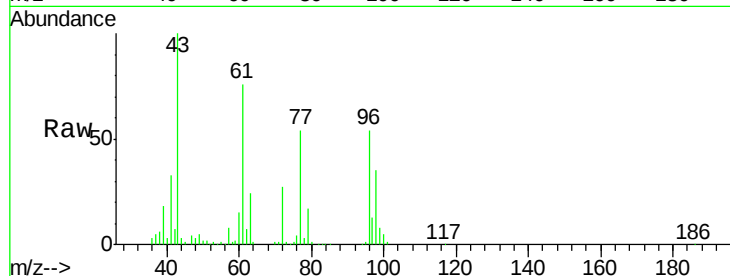
72 26.8 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 47.423 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052765.D

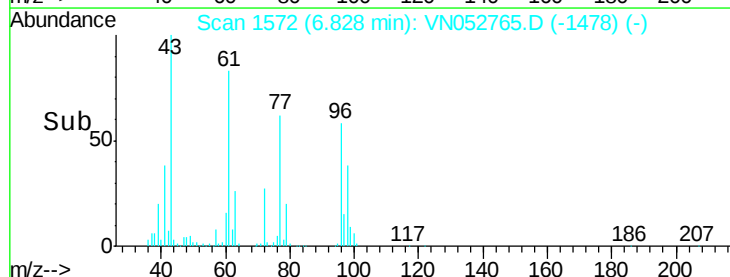
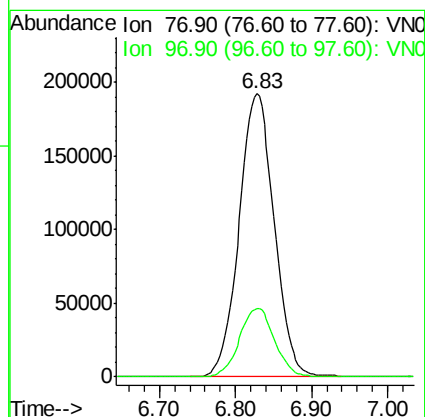
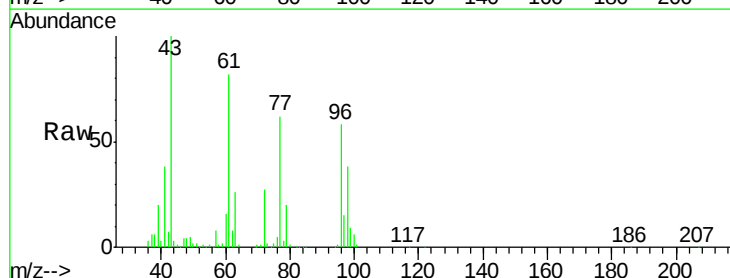
Acq: 10 Dec 2018 20:30

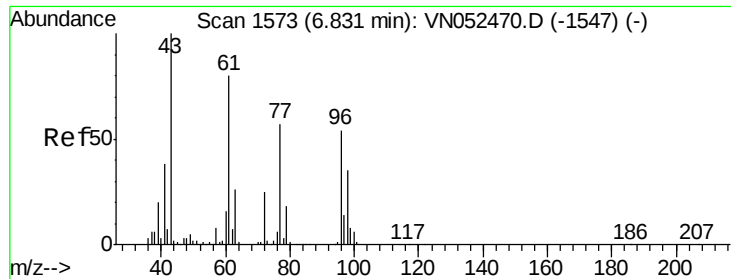
Tgt Ion: 77 Resp: 615892

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.197 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

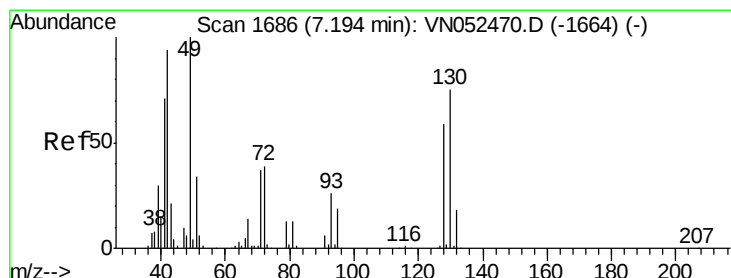
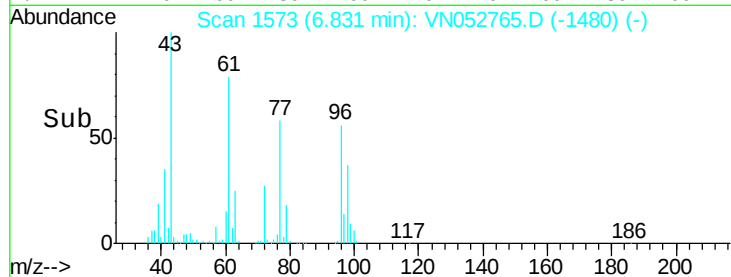
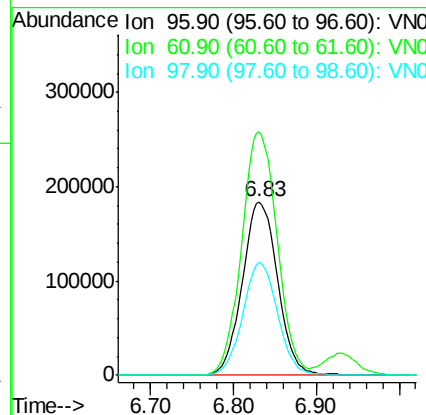
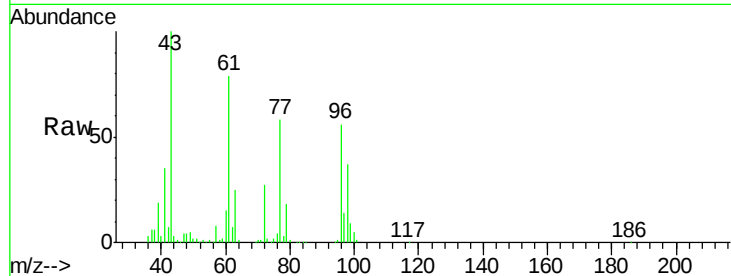
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	544297
Ion Ratio	Lower	Upper	
96	100		
61	141.4	0.0	291.0
98	64.8	0.0	130.0

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#28

Bromochloromethane

Concen: 47.920 ug/l

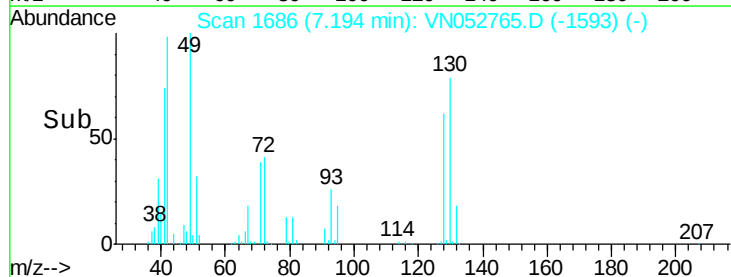
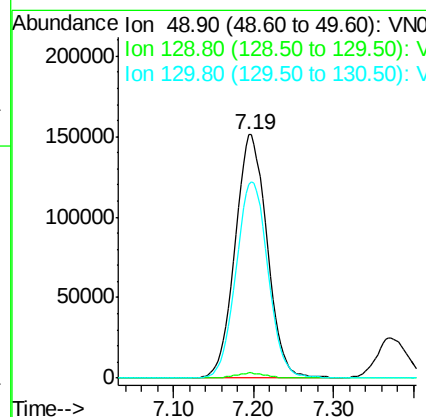
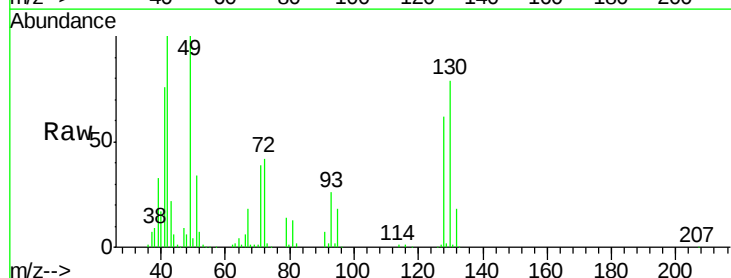
RT: 7.19 min Scan# 1686

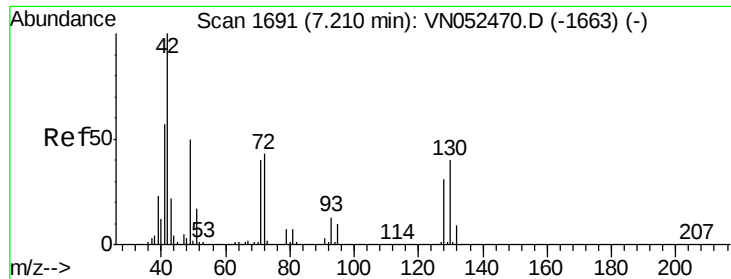
Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Tgt Ion:	49	Resp:	410679
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	80.6	60.2	90.2





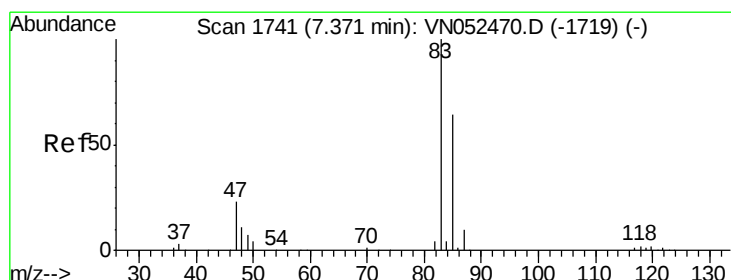
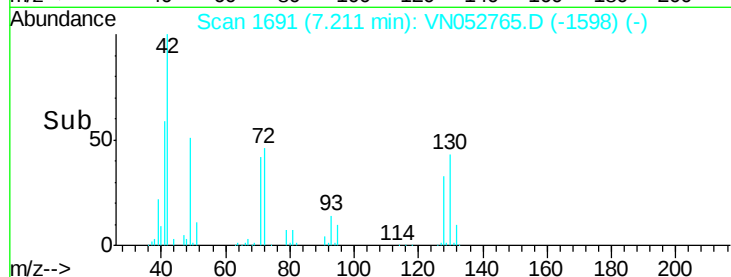
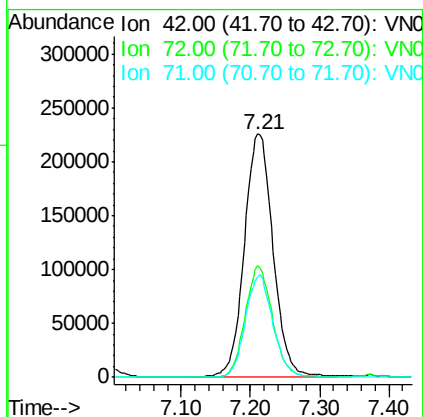
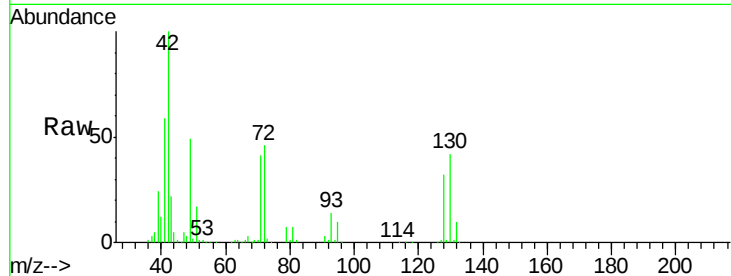
#29
Tetrahydrofuran
Concen: 254.929 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	33.3	49.9
71	40.3	32.0	48.0

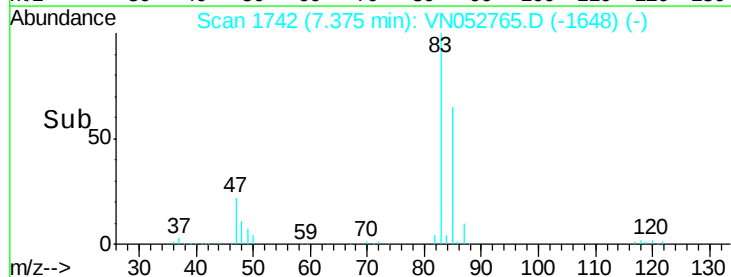
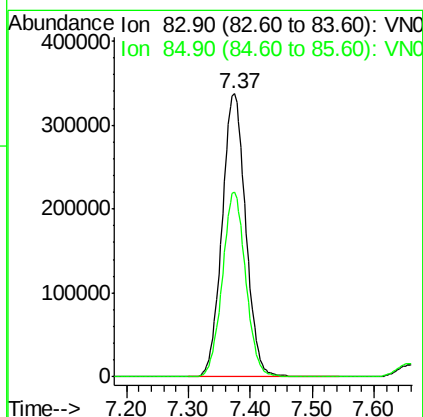
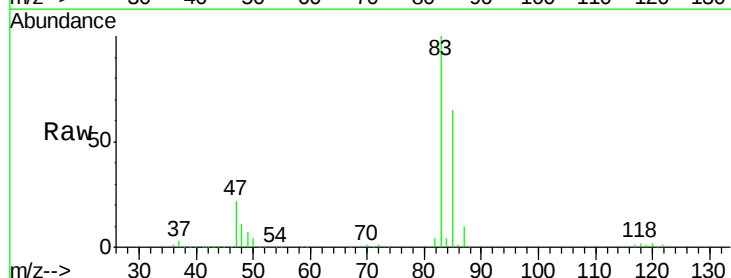
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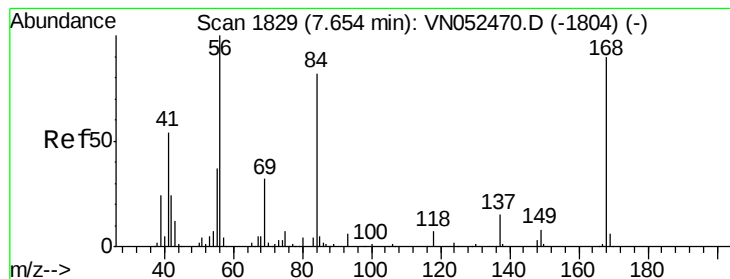
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#30
Chloroform
Concen: 47.802 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.4





#31

Cyclohexane

Concen: 42.904 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

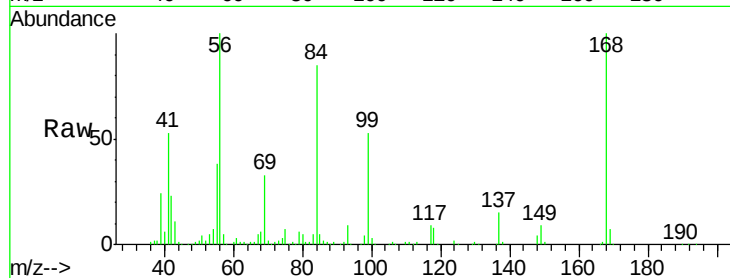
VSTDCCC050EC

Tot Ion: 56 Resp: 780105
Ion Ratio Lower Upper

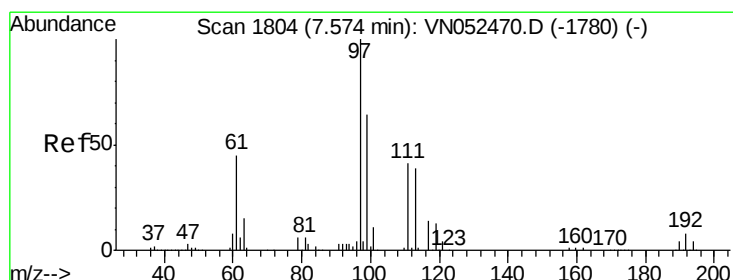
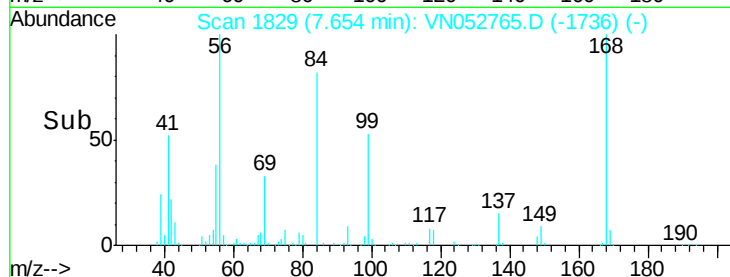
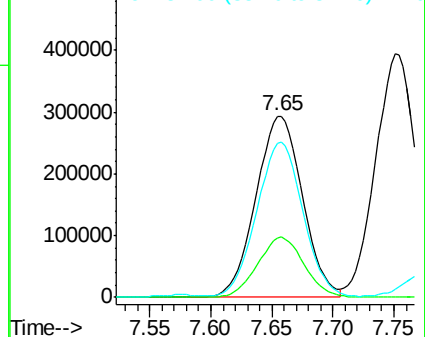
56	100		
69	32.9	25.8	38.6
84	83.8	65.3	97.9

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 49.616 ug/l

RT: 7.57 min Scan# 1804

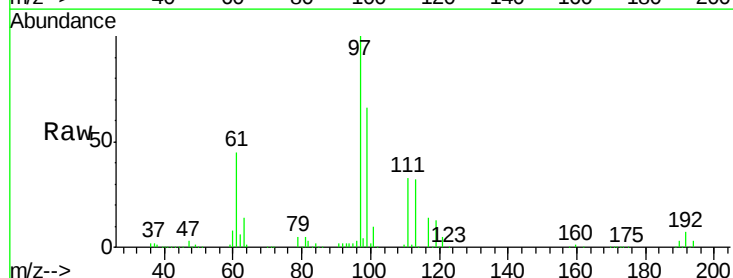
Delta R.T. 0.00 min

Lab File: VN052765.D

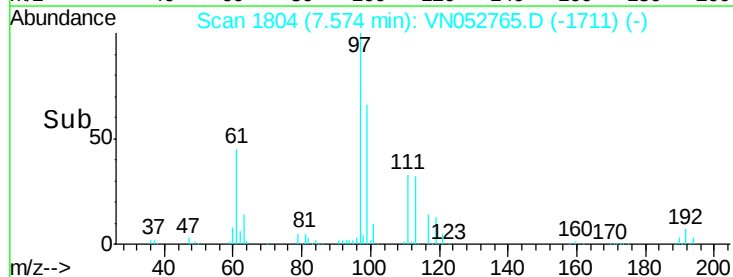
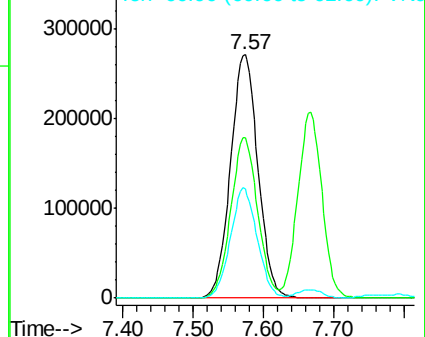
Acq: 10 Dec 2018 20:30

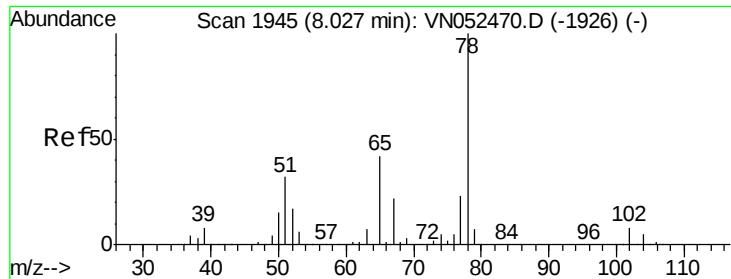
Tgt Ion: 97 Resp: 735904
Ion Ratio Lower Upper

97	100		
99	64.7	51.7	77.5
61	44.2	36.8	55.2



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





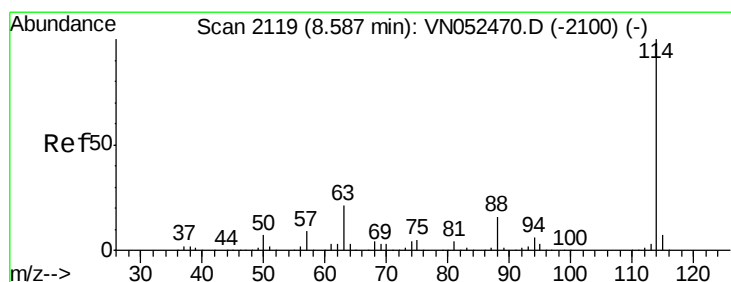
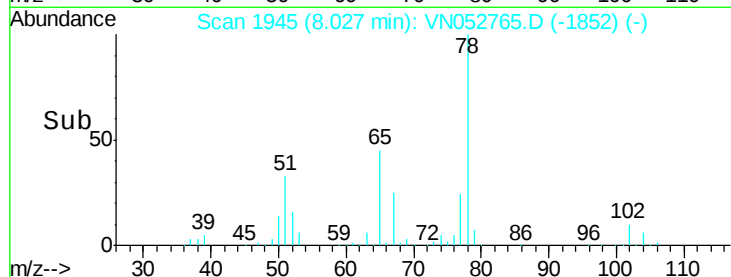
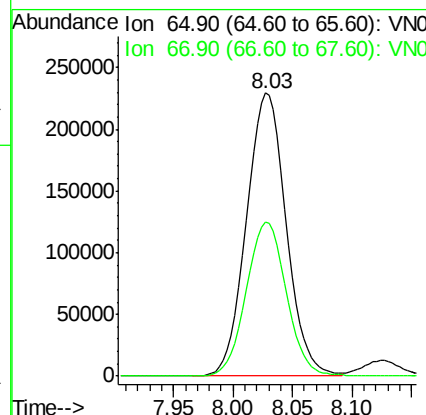
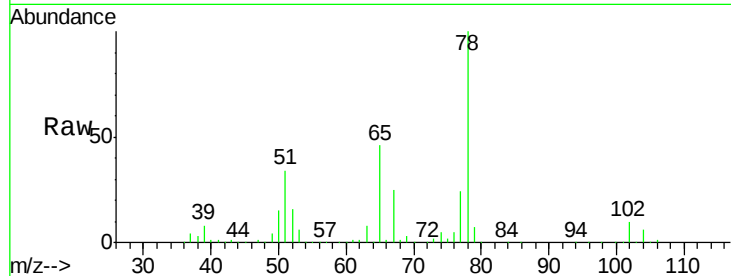
#33
 1,2-Dichloroethane-d4
 Concen: 49.616 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	109.8	

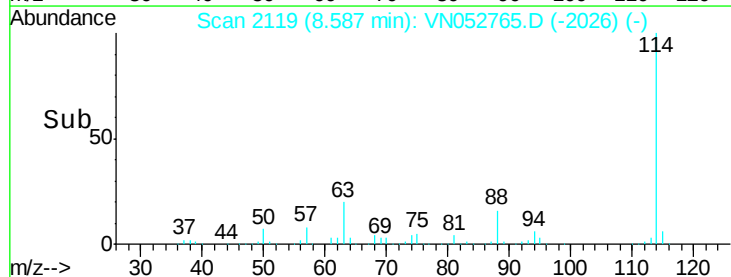
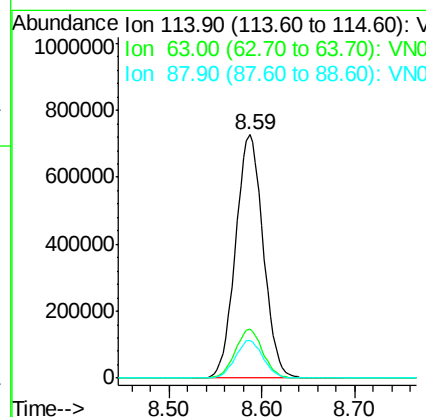
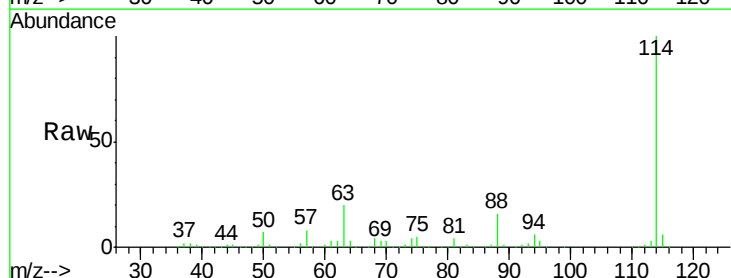
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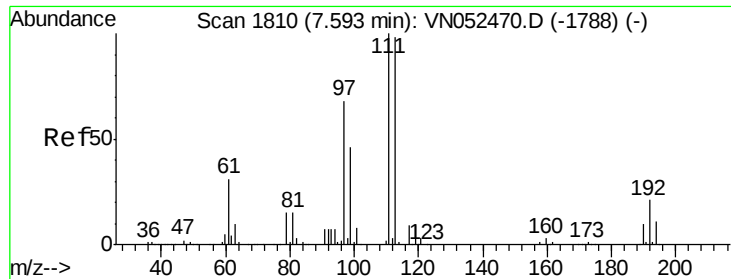
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	41.8	
88	15.6	0.0	31.6	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

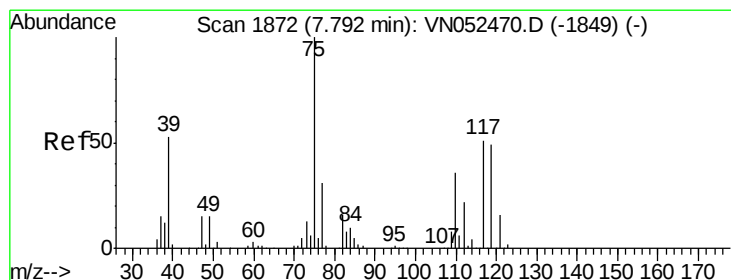
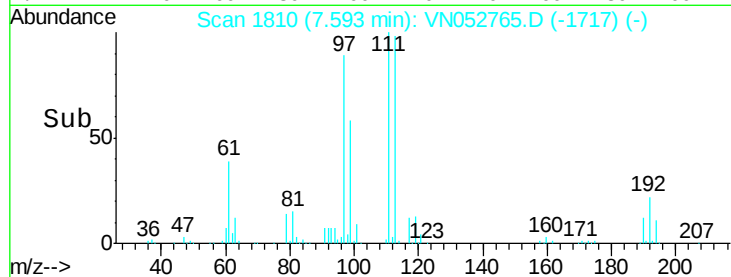
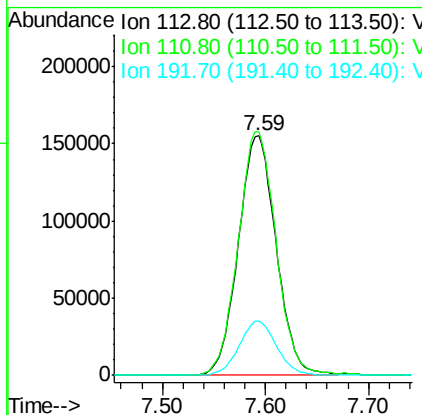
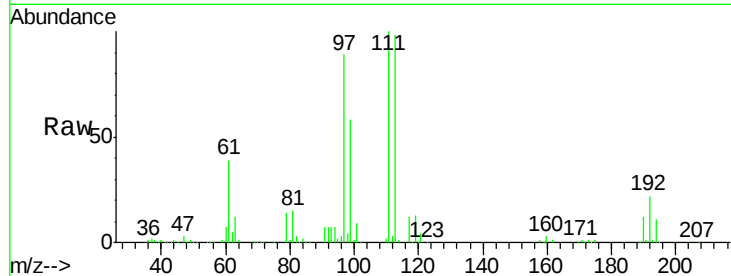
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	395433
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.0	123.0
192	22.3	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 46.276 ug/l

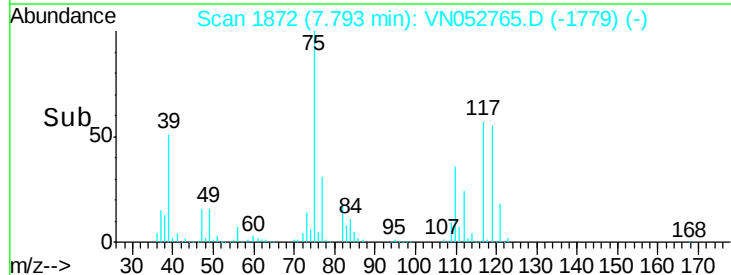
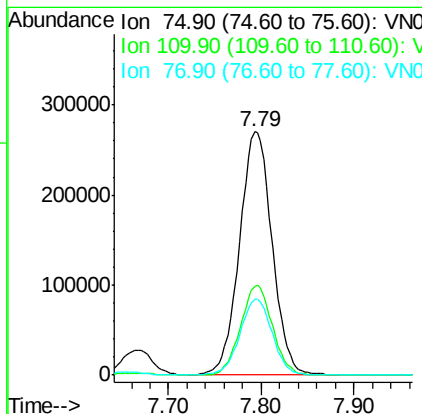
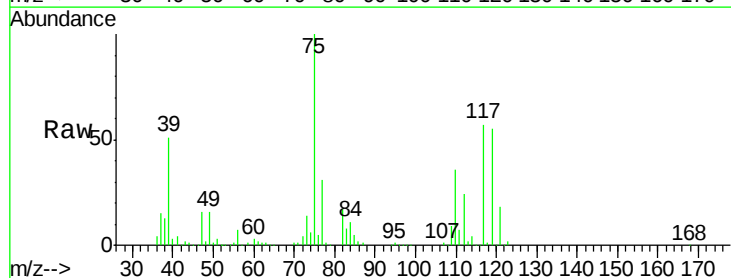
RT: 7.79 min Scan# 1872

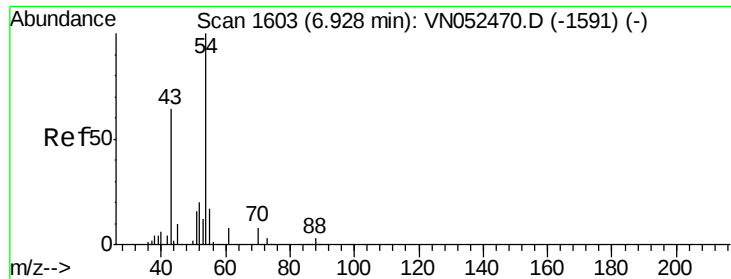
Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Tgt Ion:	75	Resp:	655539
Ion Ratio	Lower	Upper	
75	100		
110	36.2	17.5	52.6
77	31.3	24.5	36.7





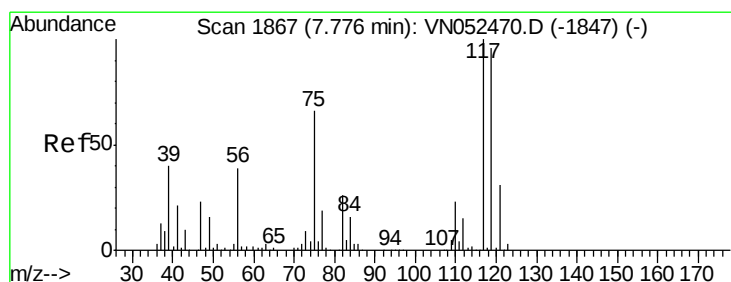
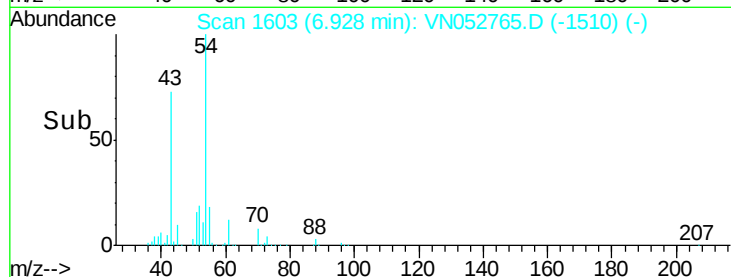
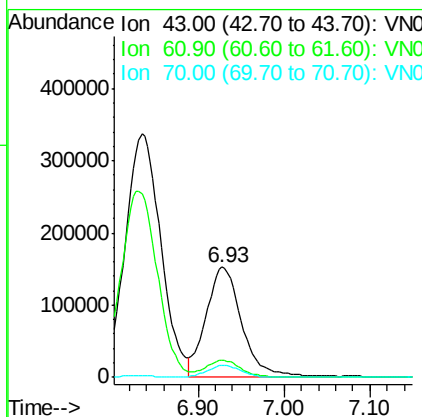
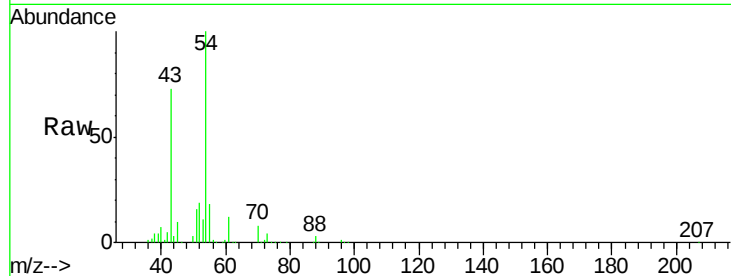
#37
Ethyl Acetate
Concen: 50.317 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.8
70	10.3	7.8	11.8

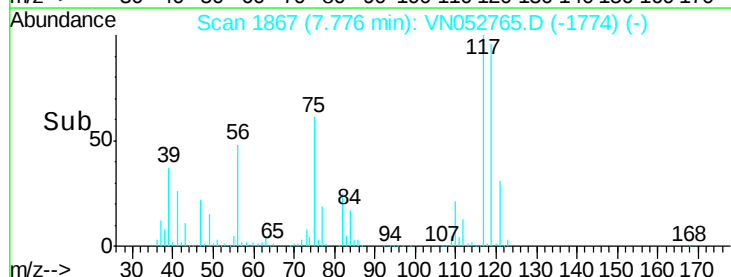
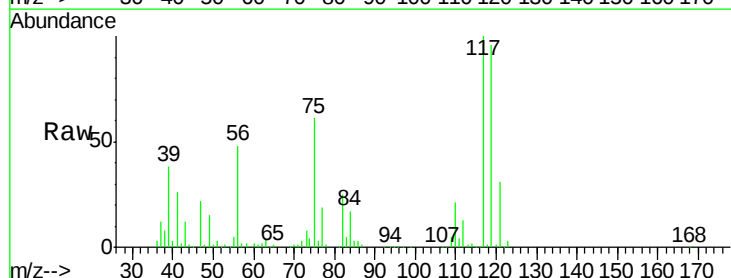
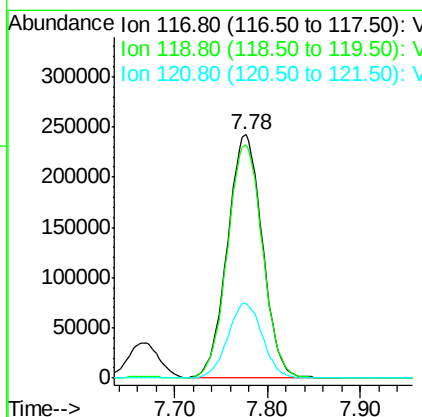
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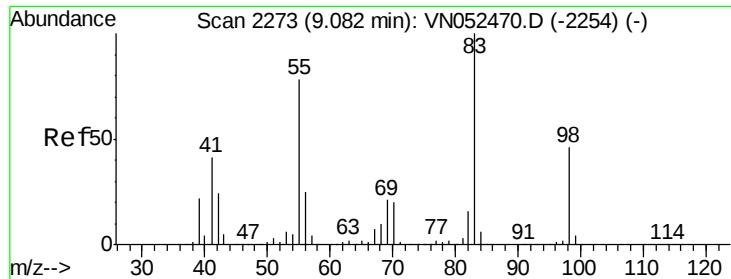
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#38
Carbon Tetrachloride
Concen: 49.104 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.8	115.2
121	30.6	24.9	37.3





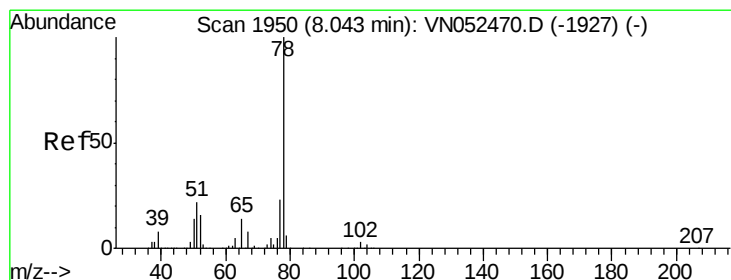
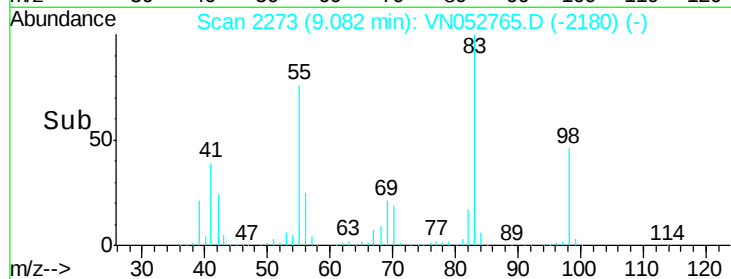
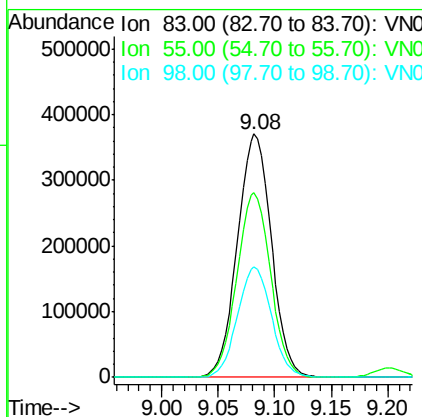
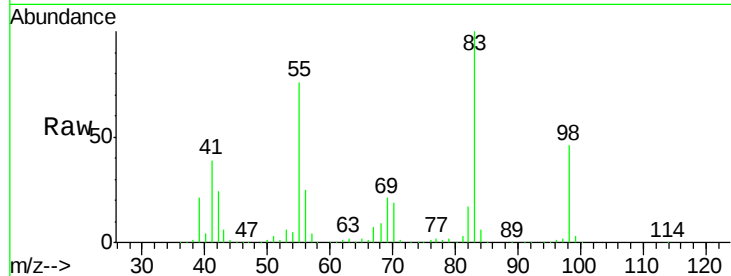
#39
Methvlcvclohexane
Concen: 45.202 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.2	93.2
98	45.6	36.4	54.6

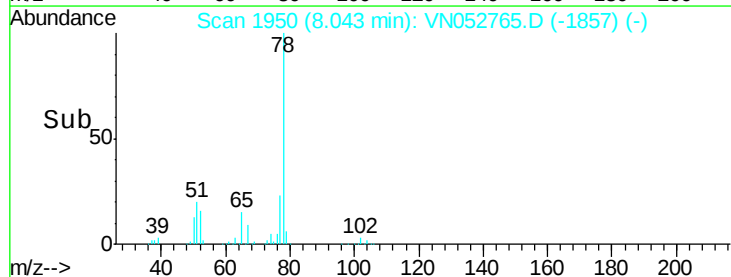
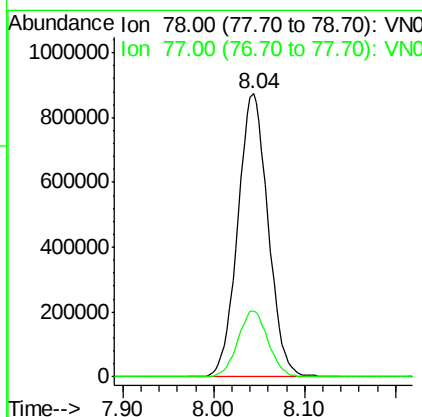
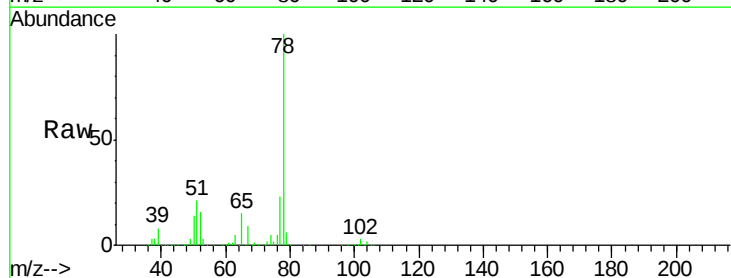
Manual Integrations
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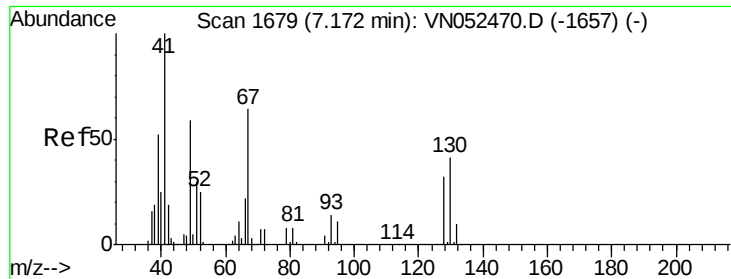
MMDadoda
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#40
Benzene
Concen: 47.818 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





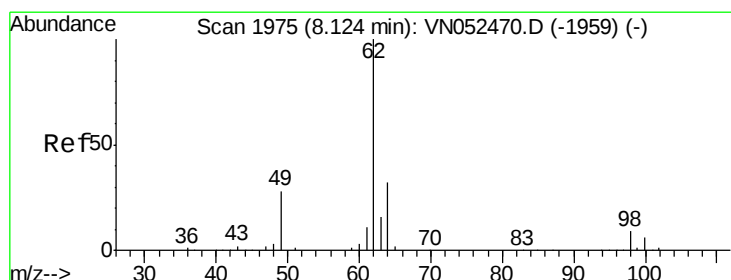
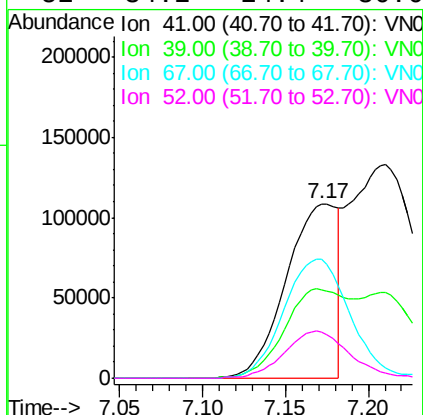
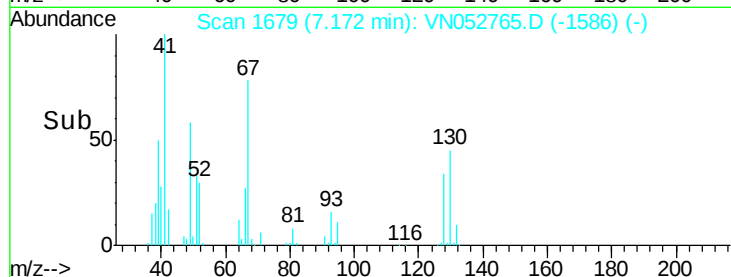
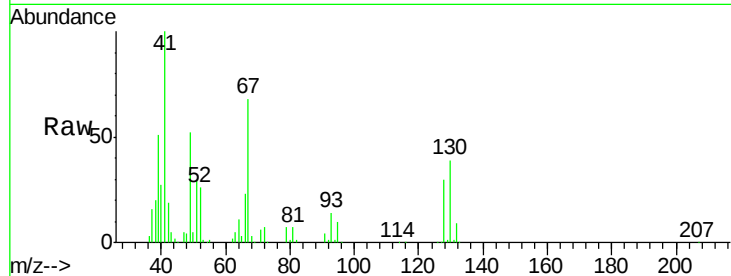
#41
Methacrylonitrile
Concen: 49.127 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		232198		
39	64.8	50.9	76.3		
67	89.3	63.6	95.4		
52	34.2	24.4	36.6		

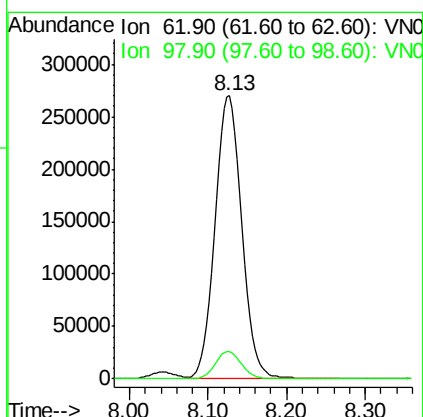
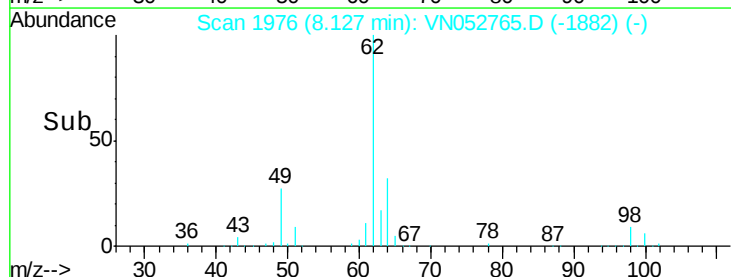
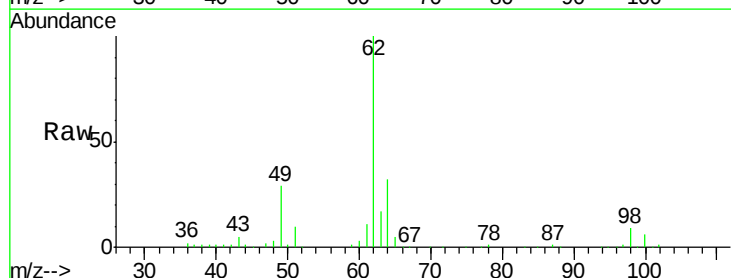
Manual Integrations
APPROVED

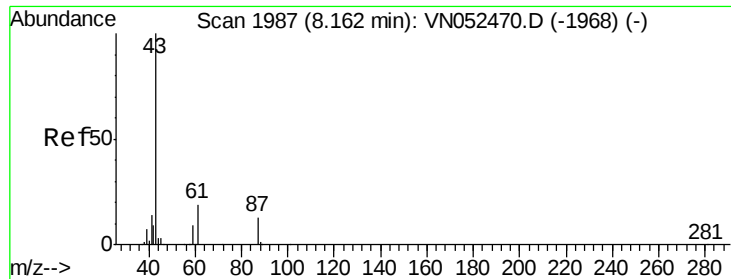
MMDadoda
12/11/2018 12:46:06 PM



#42
1,2-Dichloroethane
Concen: 49.369 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		631075		
98	9.5	0.0	18.6		





#43

Isopropyl Acetate

Concen: 57.012 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

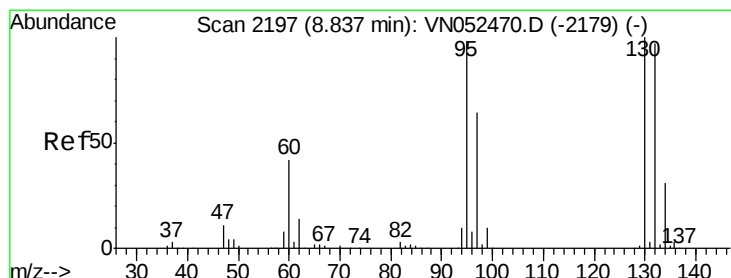
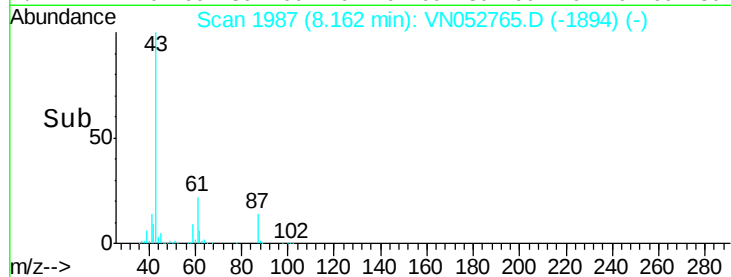
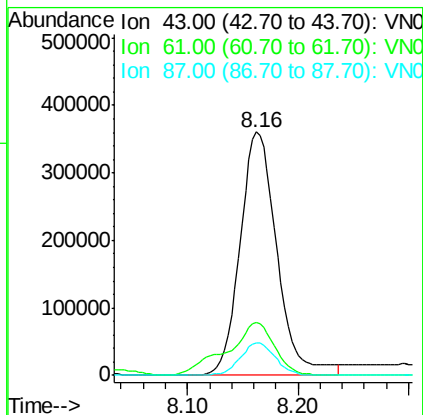
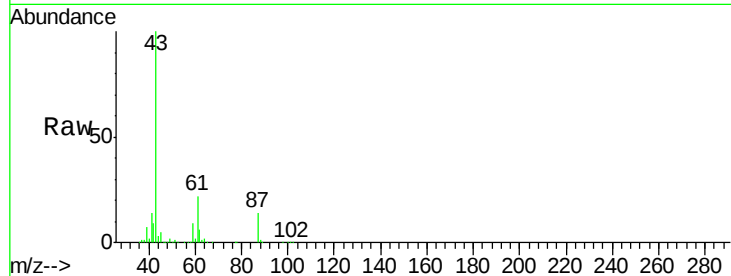
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	834106
Ion	Ratio	Lower	Upper
43	100		
61	27.7	24.1	36.1
87	12.7	10.6	15.8

Manual Integrations
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12/11/2018 12:46:06 PM



#44

Trichloroethene

Concen: 50.736 ug/l

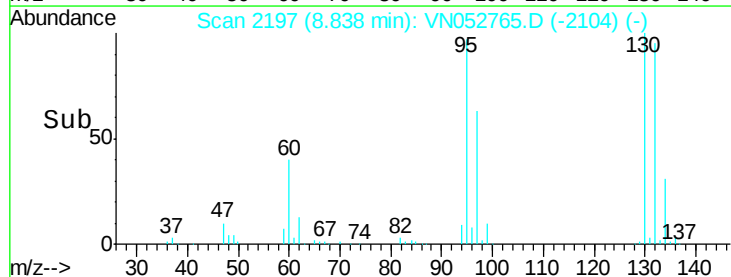
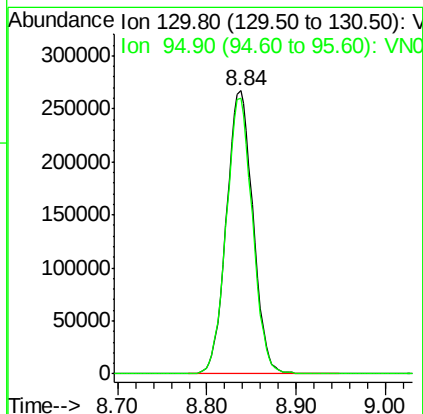
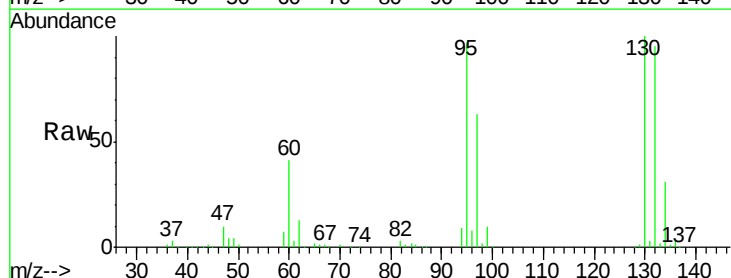
RT: 8.84 min Scan# 2197

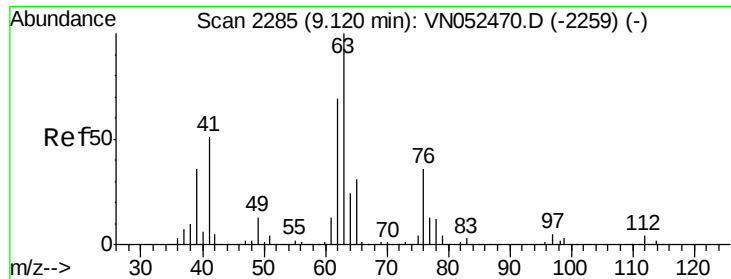
Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Tgt Ion:	130	Resp:	548650
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	195.6





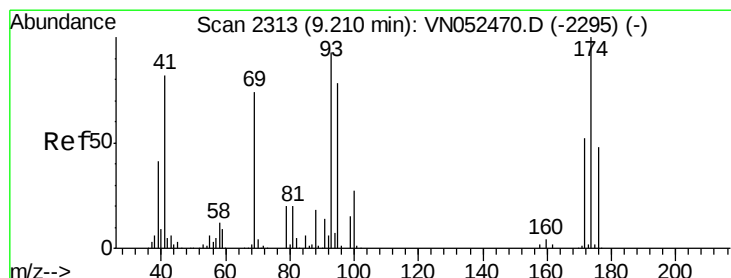
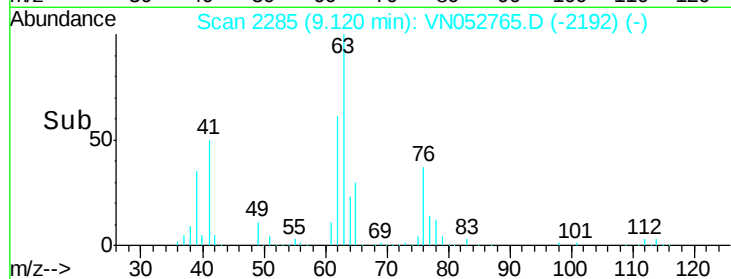
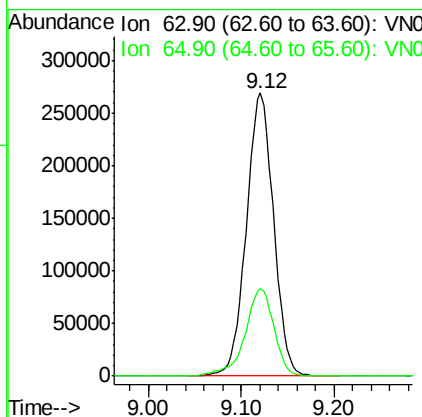
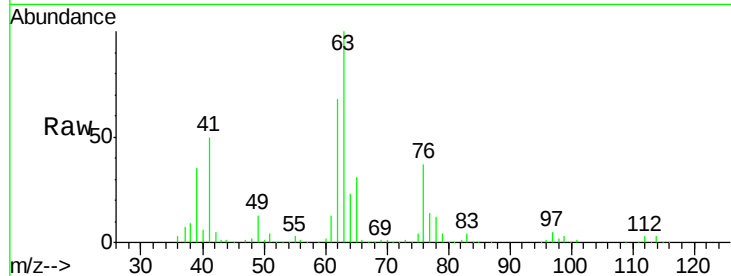
#45
 1,2-Dichloropropane
 Concen: 48.828 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 548039
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

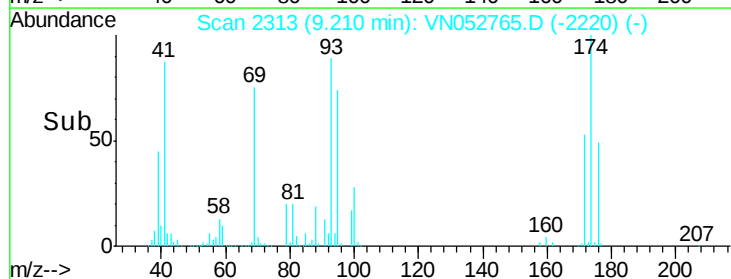
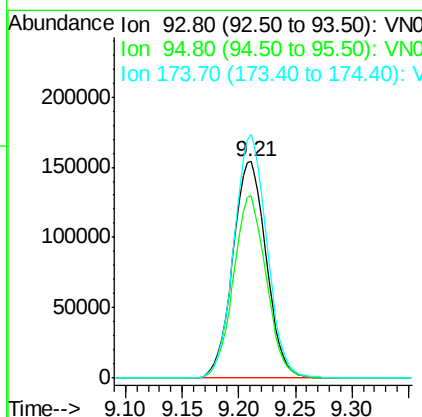
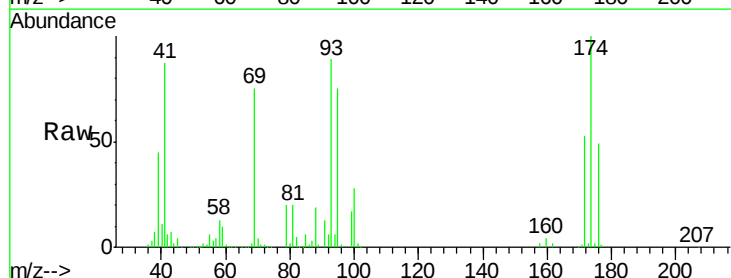
Manual Integrations
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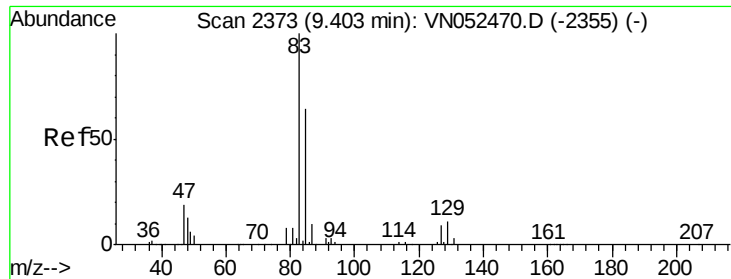
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#46
 Dibromomethane
 Concen: 51.189 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion: 93 Resp: 318053
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.1 100.7
 174 110.3 85.8 128.8





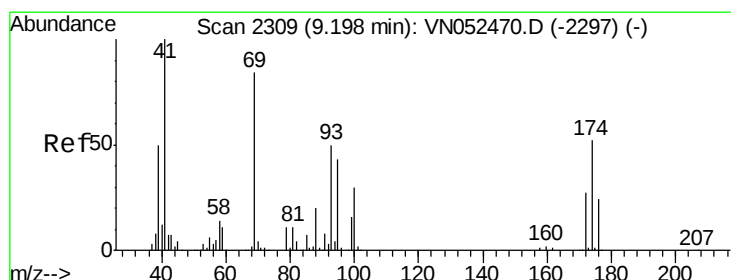
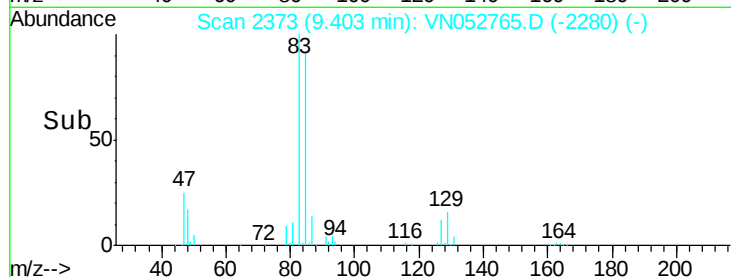
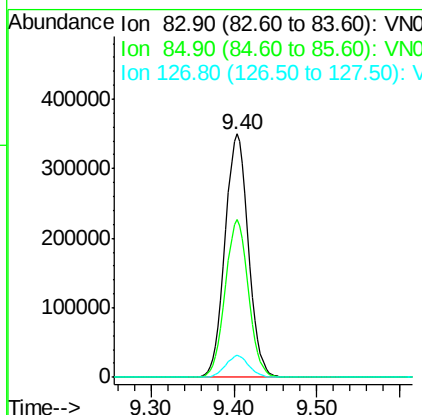
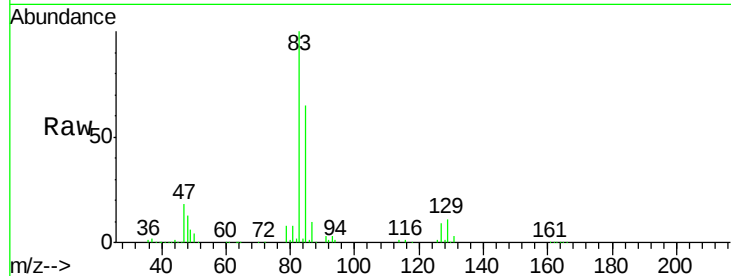
#47
Bromodichloromethane
Concen: 50.636 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	684034		
85	64.8	51.3	76.9	
127	8.9	6.9	10.3	

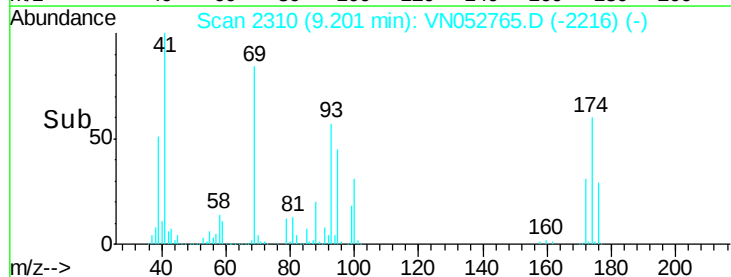
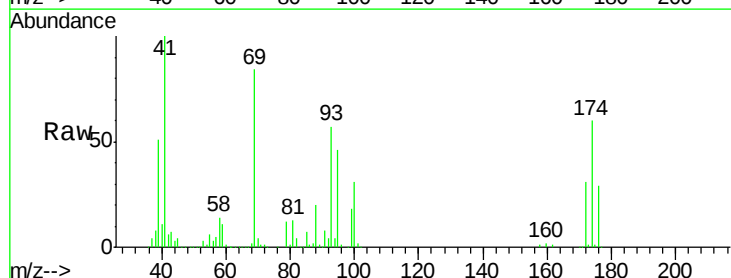
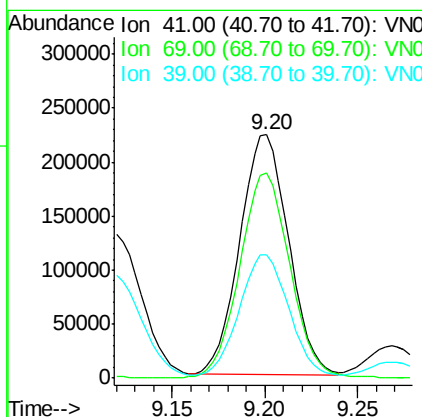
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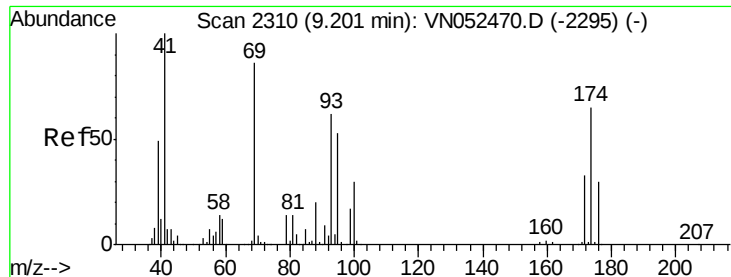
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#48
Methyl methacrylate
Concen: 53.260 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	406305		
69	88.2	70.0	105.0	
39	53.0	42.6	64.0	





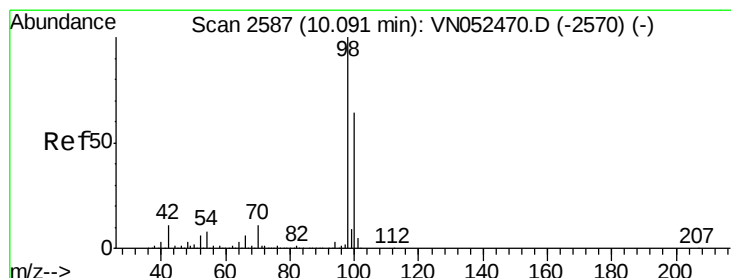
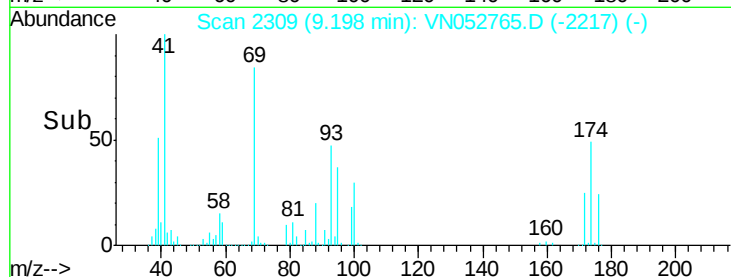
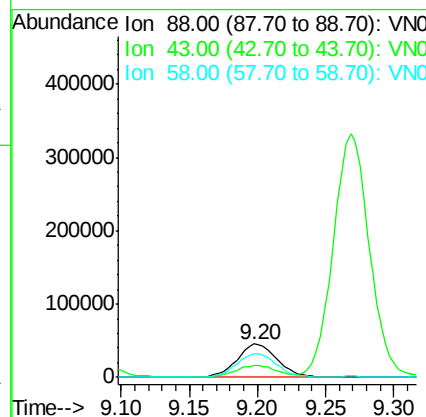
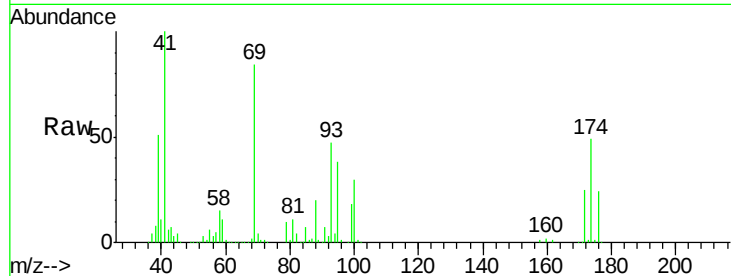
#49
1,4-Dioxane
Concen: 1172.519 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.4	39.6
58	72.0	55.4	83.0

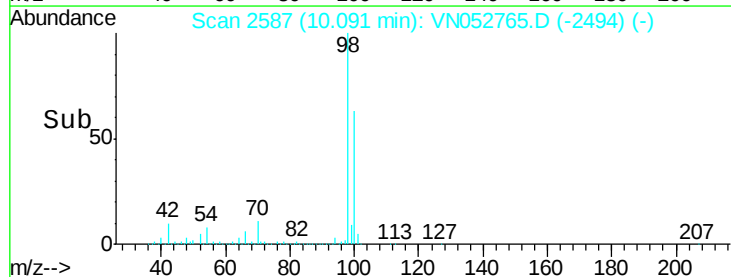
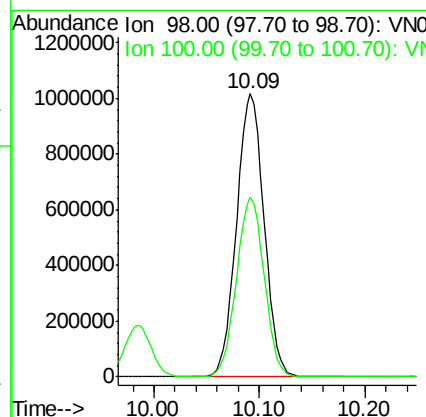
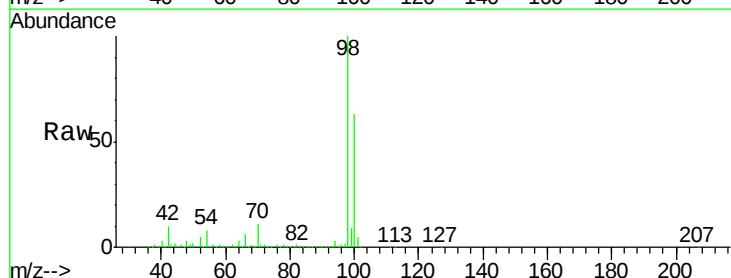
Manual Integrations
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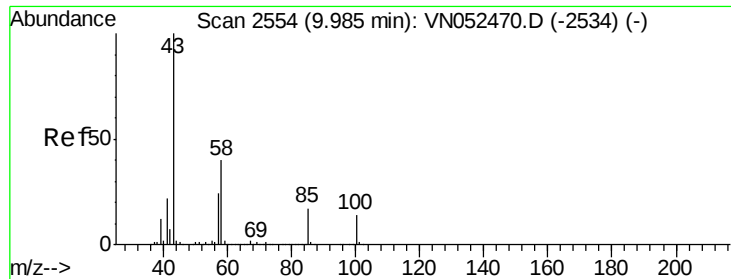
MMDadoda
12/11/2018 12:46:06 PM



#50
Toluene-d8
Concen: 1172.519 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 270.526 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2220670

Ion Ratio Lower Upper

43 100

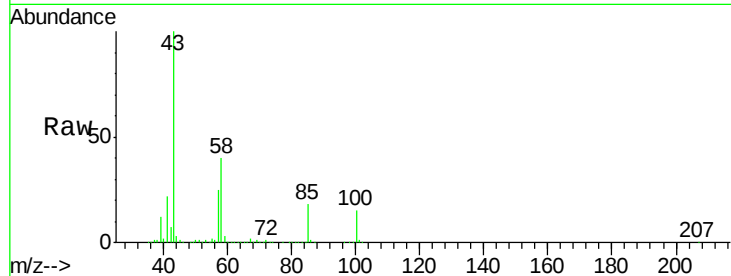
58 40.3 31.5 47.3

Manual Integrations

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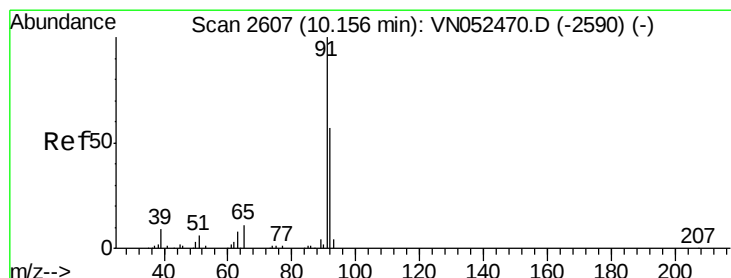
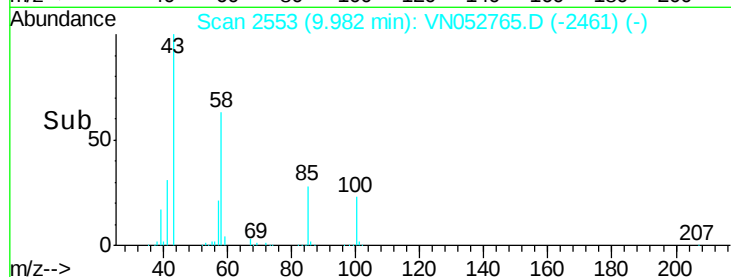
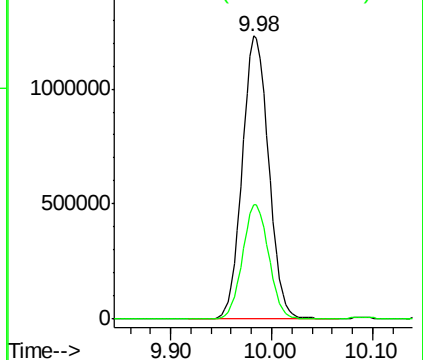
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.679 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052765.D

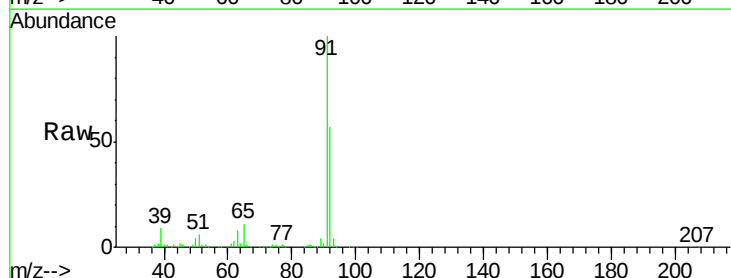
Acq: 10 Dec 2018 20:30

Tgt Ion: 92 Resp: 1246085

Ion Ratio Lower Upper

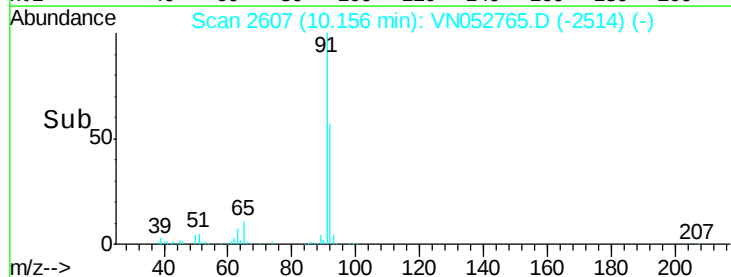
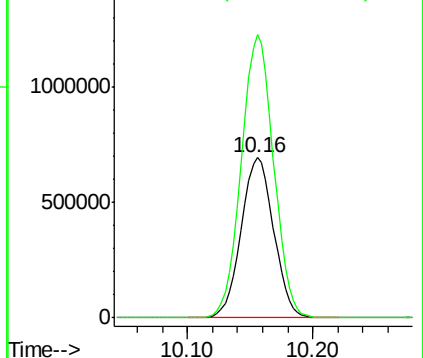
92 100

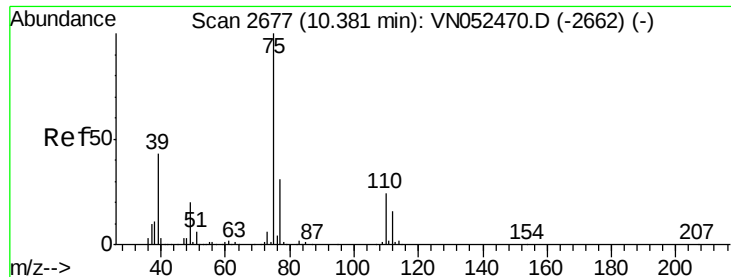
91 176.1 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





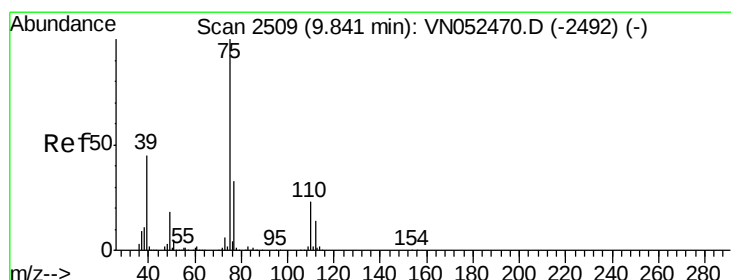
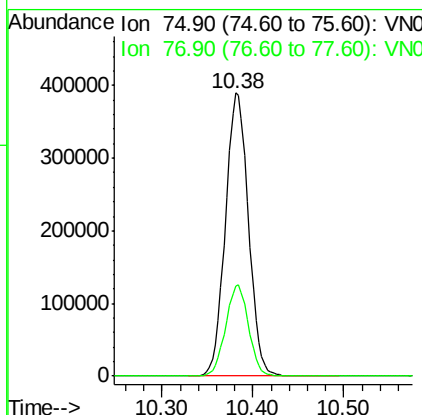
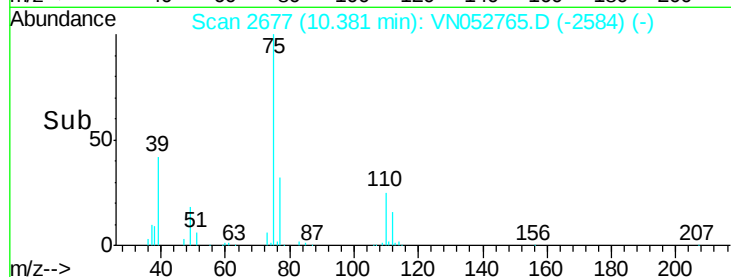
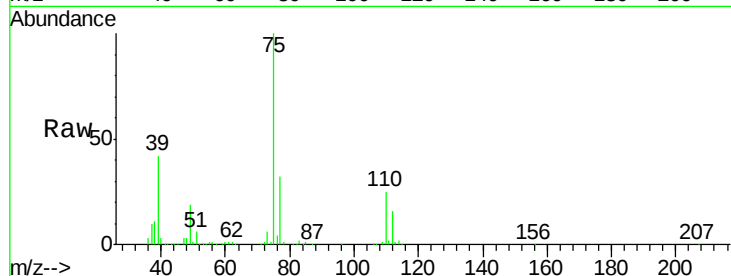
#53
t-1,3-Dichloropropene
Concen: 52.700 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 684882
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4

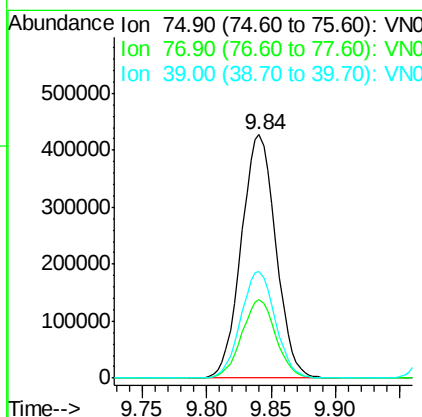
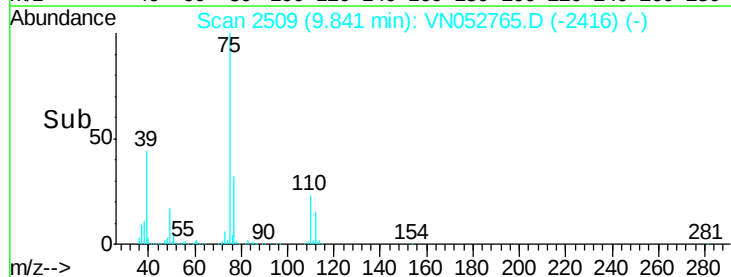
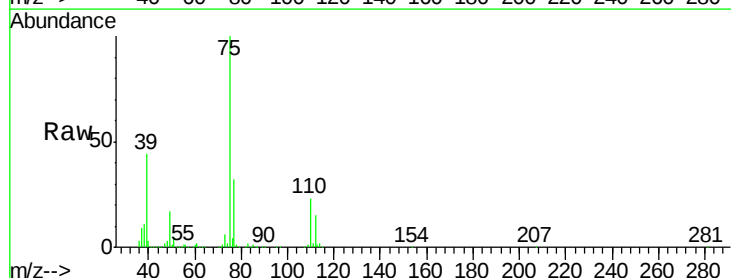
Manual Integrations
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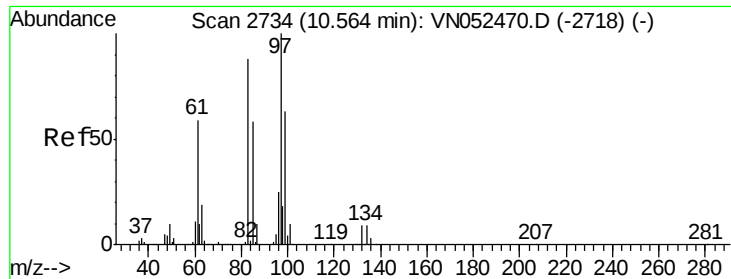
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.202 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 75 Resp: 797413
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
39 43.8 36.0 54.0





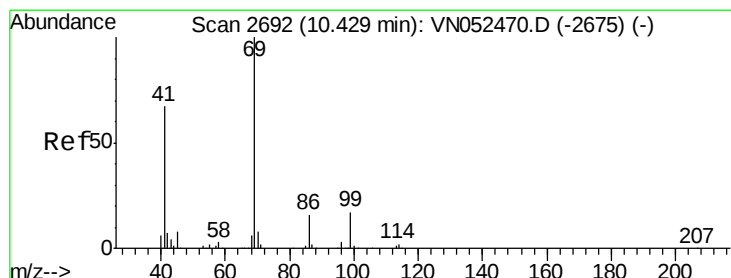
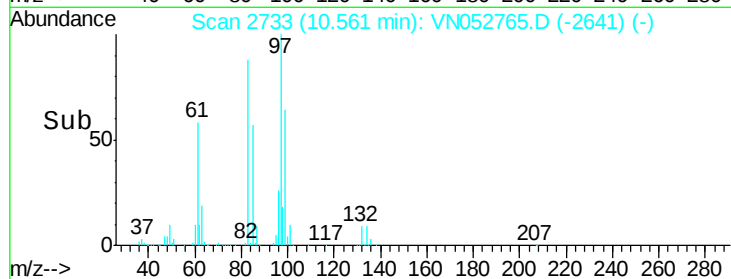
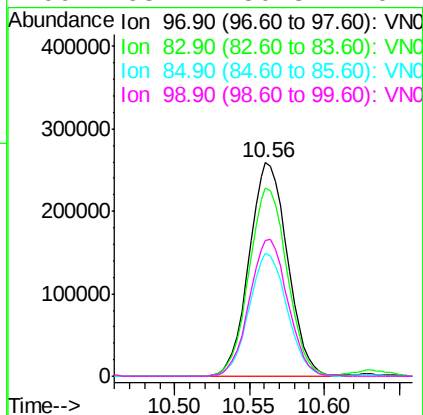
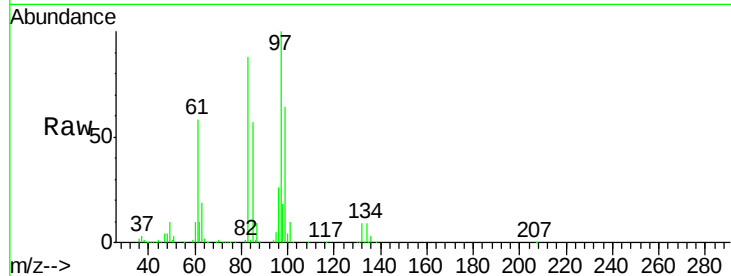
#55
 1,1,2-Trichloroethane
 Concen: 52.497 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	463180
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.7	106.1
85	57.3	46.1	69.1
99	63.7	50.8	76.2

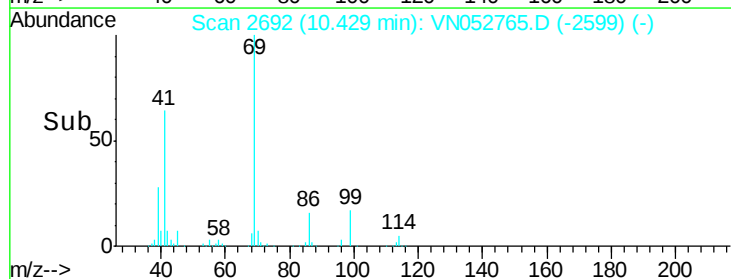
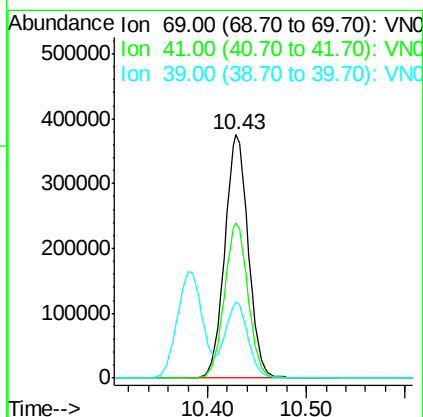
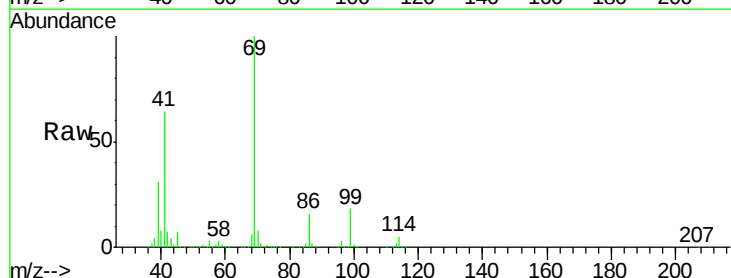
Manual Integrations
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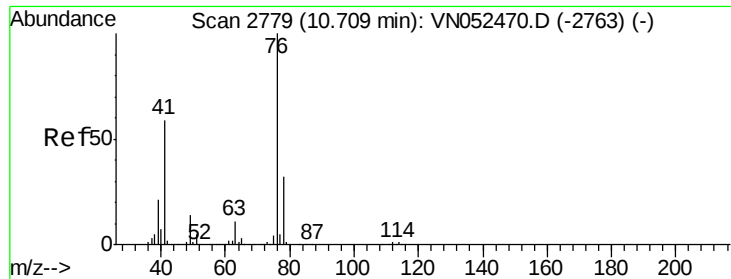
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#56
 Ethyl methacrylate
 Concen: 51.125 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion:	69	Resp:	627151
Ion	Ratio	Lower	Upper
69	100		
41	63.2	52.6	79.0
39	30.4	25.9	38.9





#57

1,3-Dichloropropane

Concen: 50.731 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 790327

Ion Ratio Lower Upper

76 100

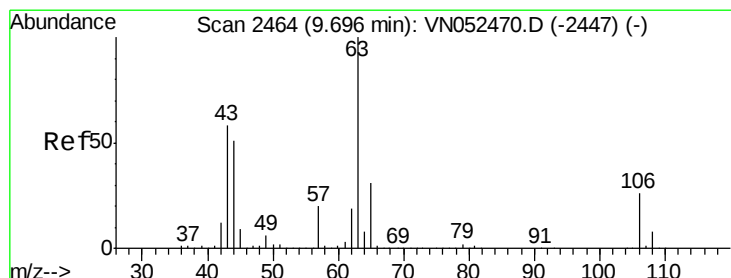
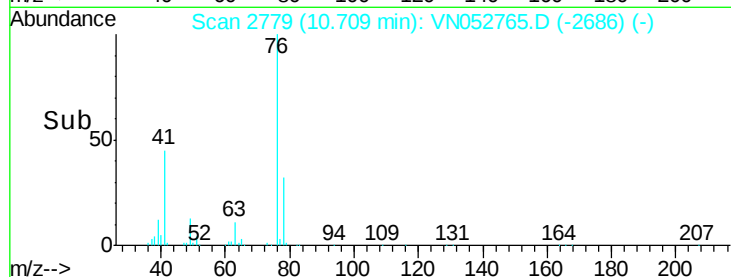
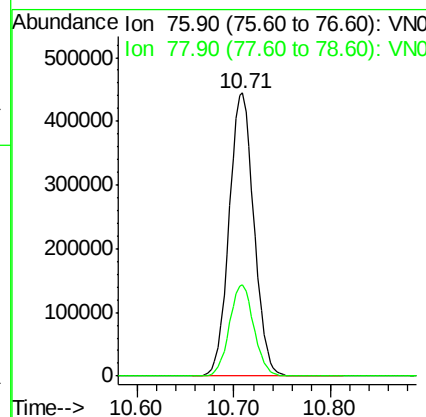
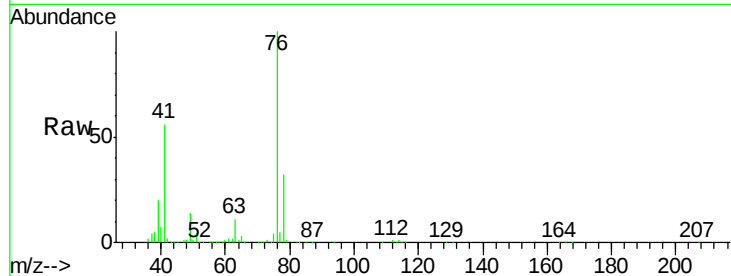
78 32.0 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 264.357 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052765.D

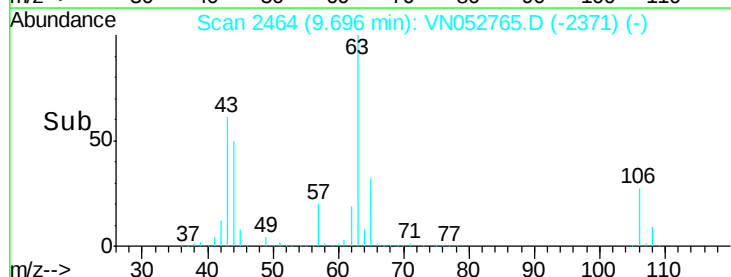
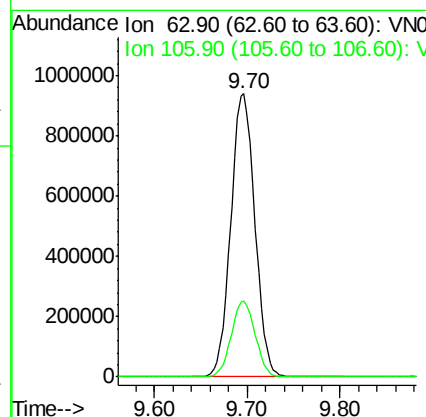
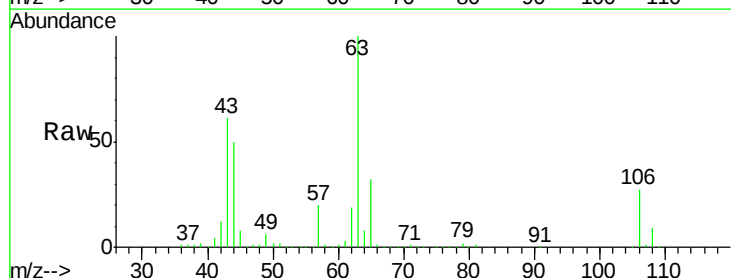
Acq: 10 Dec 2018 20:30

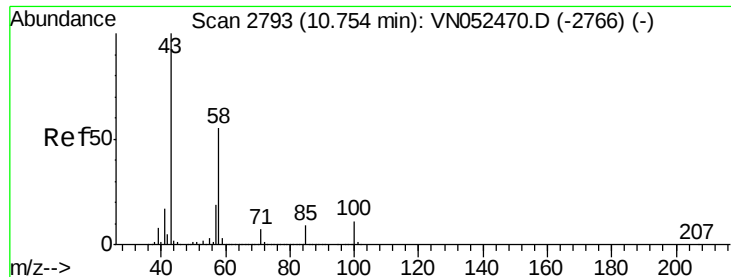
Tgt Ion: 63 Resp: 1692460

Ion Ratio Lower Upper

63 100

106 26.6 20.6 30.8





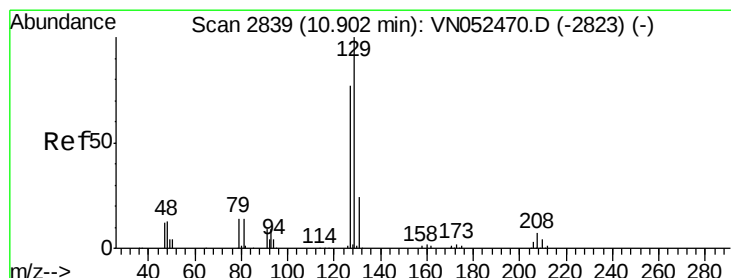
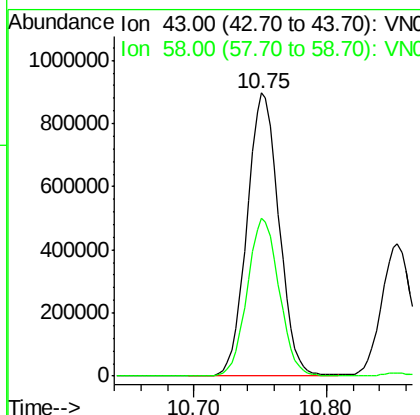
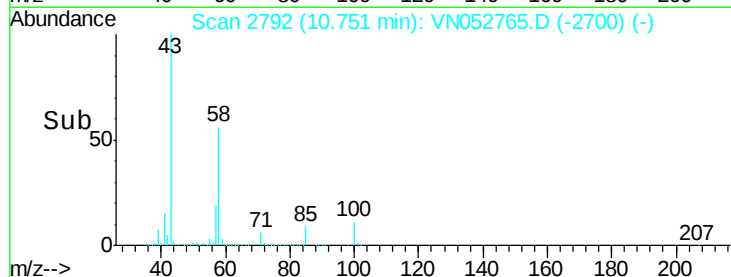
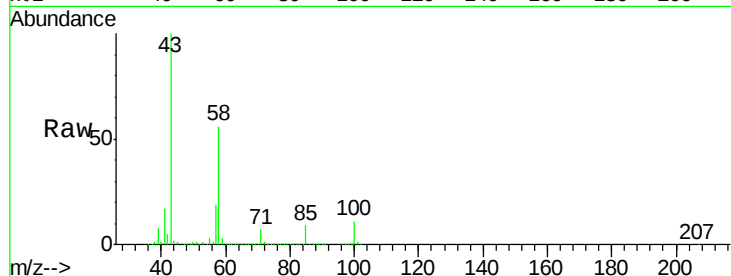
#59
2-Hexanone
Concen: 272.404 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1500752
Ion Ratio Lower Upper
43 100
58 55.8 27.4 82.0

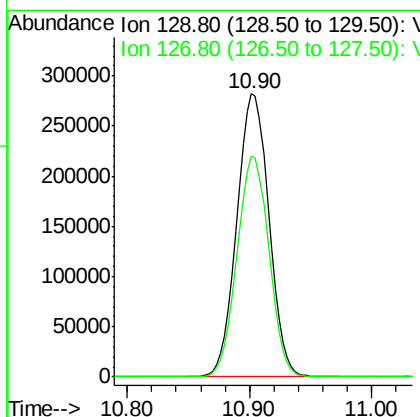
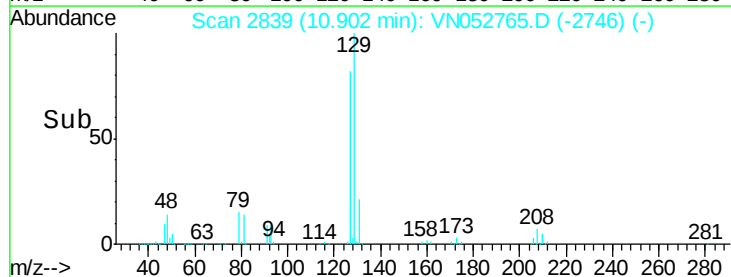
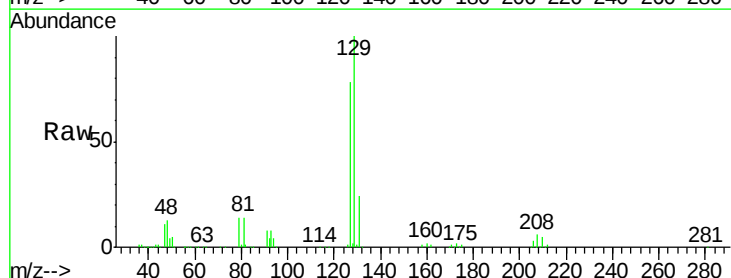
Manual Integrations
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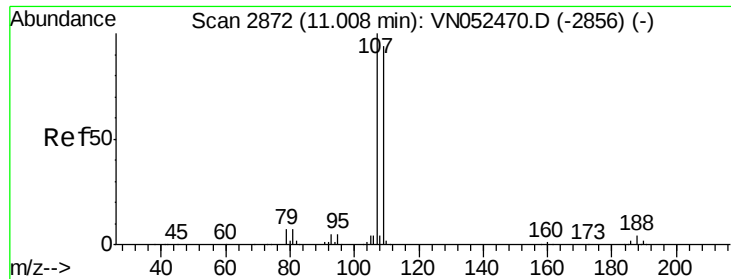
MMDadoda
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#60
Dibromochloromethane
Concen: 53.498 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion:129 Resp: 512650
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.089 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 456459

Ion Ratio Lower Upper

107 100

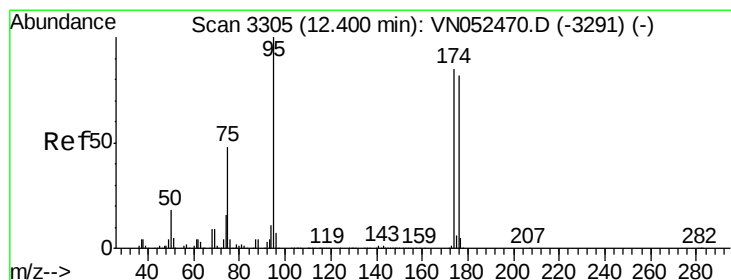
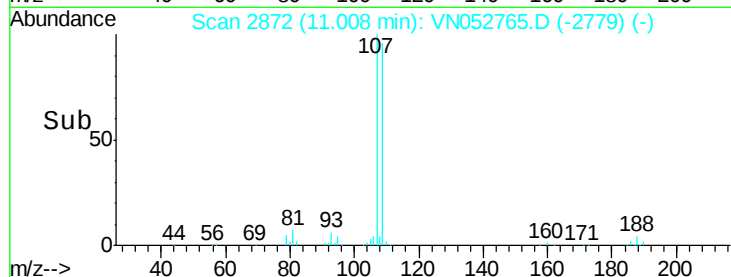
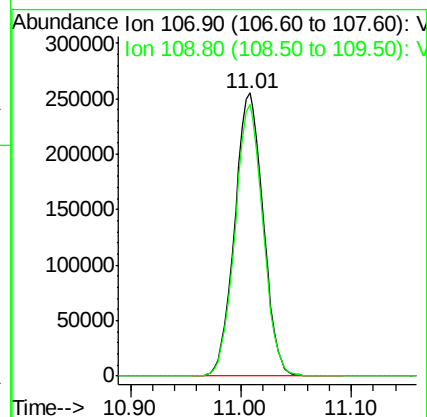
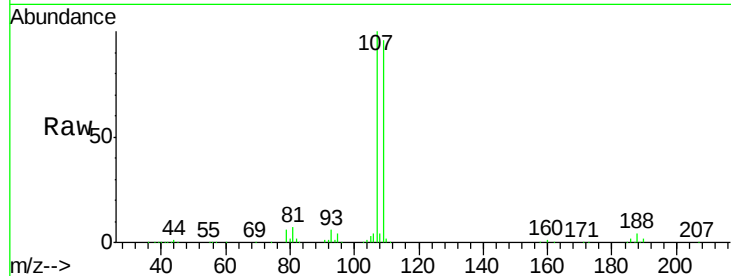
109 94.7 75.6 113.4

Manual Integrations

APPROVED

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#62

4-Bromofluorobenzene

Concen: 52.089 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

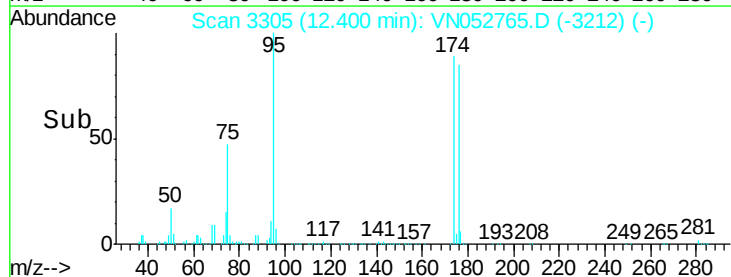
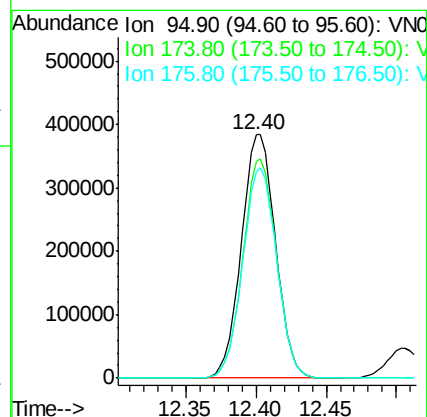
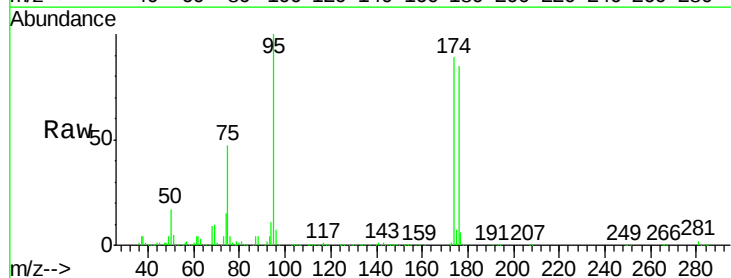
Tgt Ion: 95 Resp: 651403

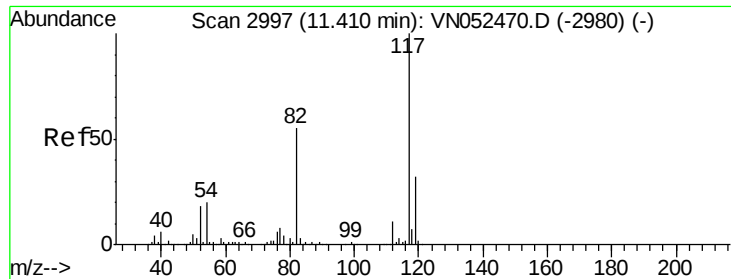
Ion Ratio Lower Upper

95 100

174 88.7 0.0 173.0

176 86.1 0.0 166.2





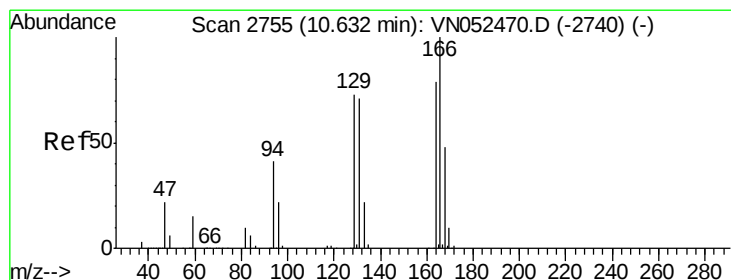
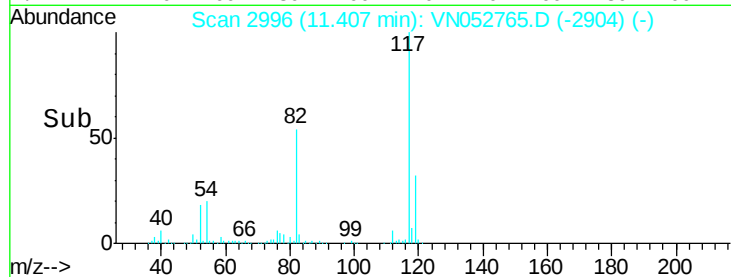
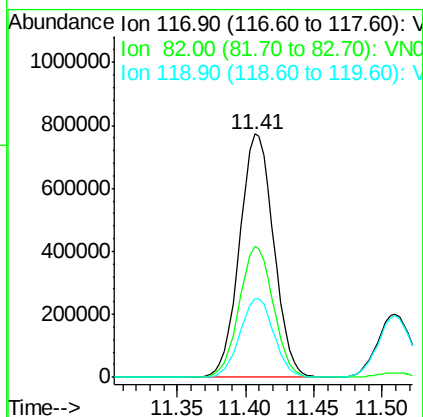
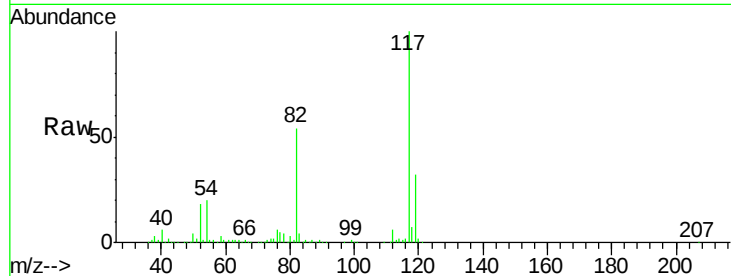
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1341055
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 32.4 25.4 38.2

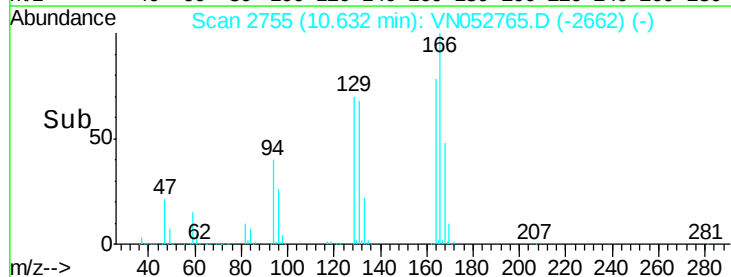
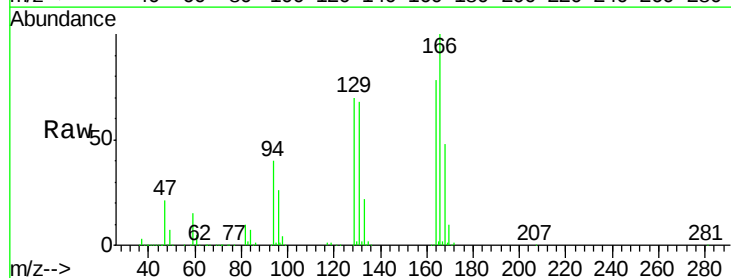
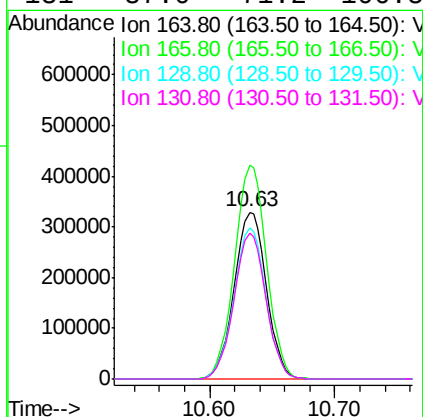
Manual Integrations
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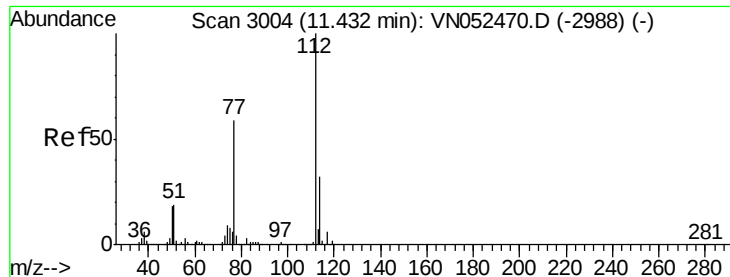
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#64
Tetrachloroethene
Concen: 56.497 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion:164 Resp: 587435
Ion Ratio Lower Upper
164 100
166 127.9 101.0 151.4
129 90.2 73.8 110.6
131 87.0 71.2 106.8





#65

Chlorobenzene

Concen: 50.512 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1396786

Ion Ratio Lower Upper

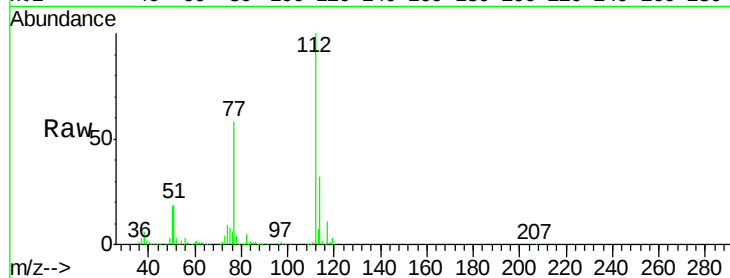
112 100

114 32.0 25.8 38.6

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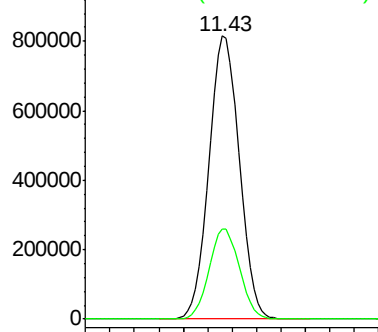
MMDadoda

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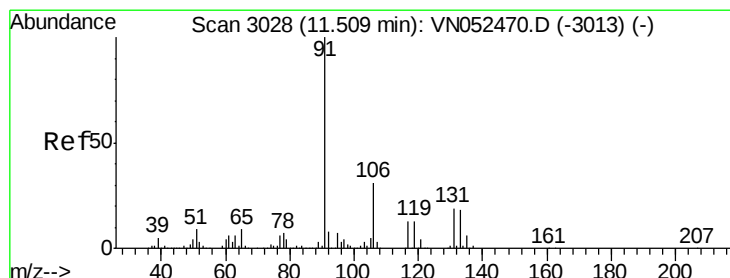
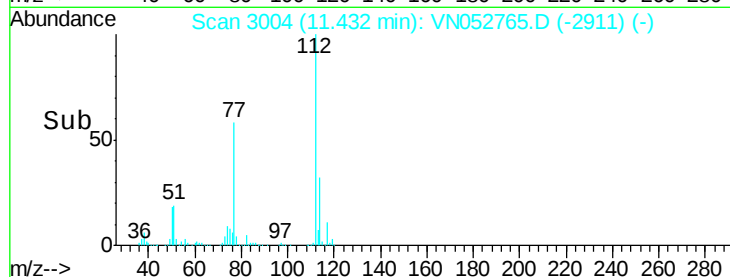


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.860 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

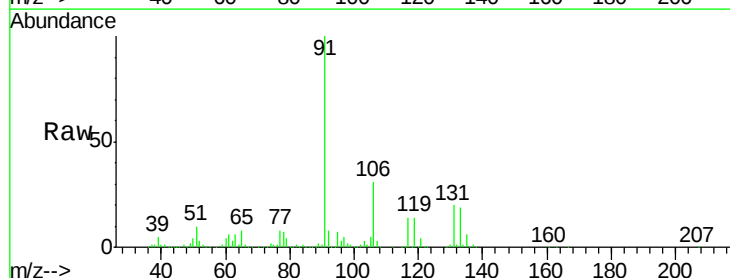
Tgt Ion:131 Resp: 498632

Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.8

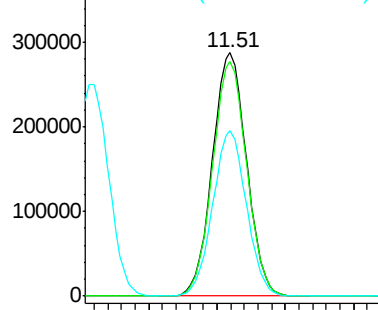
119 67.4 33.2 99.6



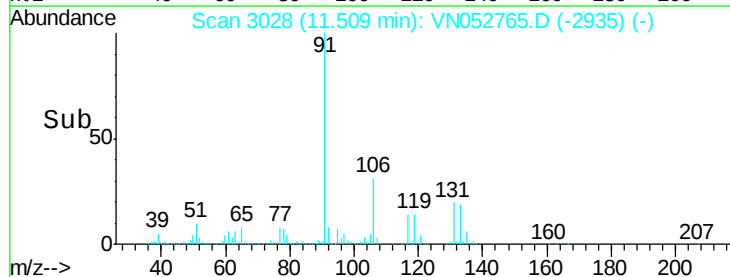
Abundance Ion 130.80 (130.50 to 131.50): V

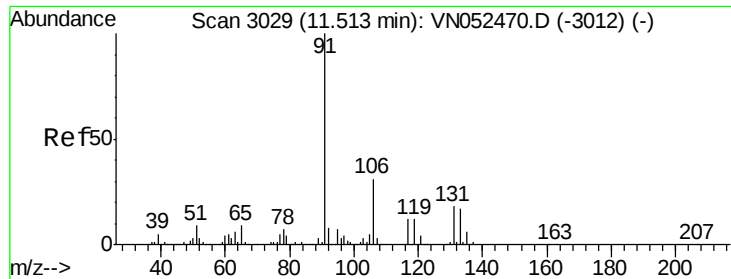
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





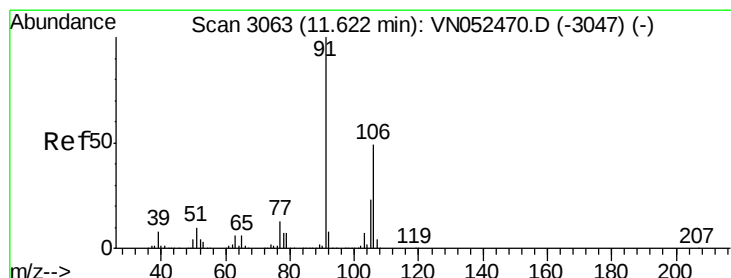
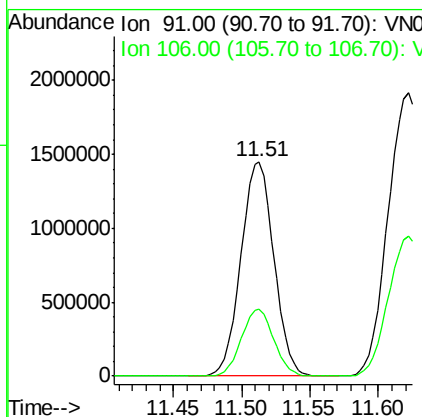
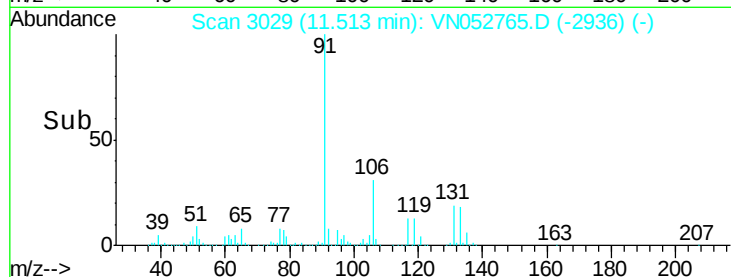
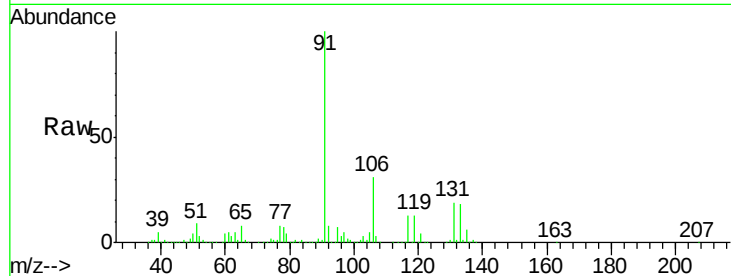
#67
Ethyl Benzene
Concen: 50.159 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2428894
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3

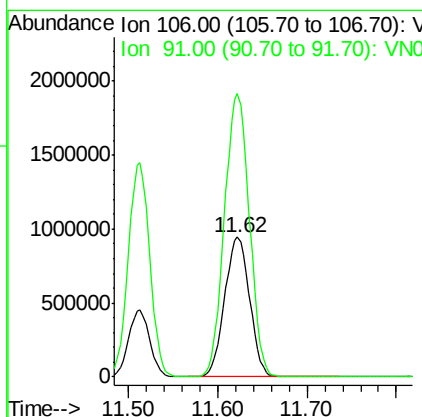
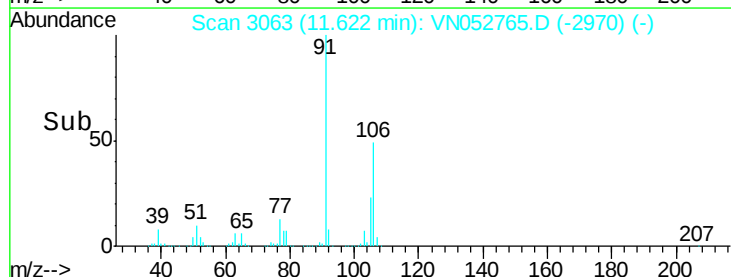
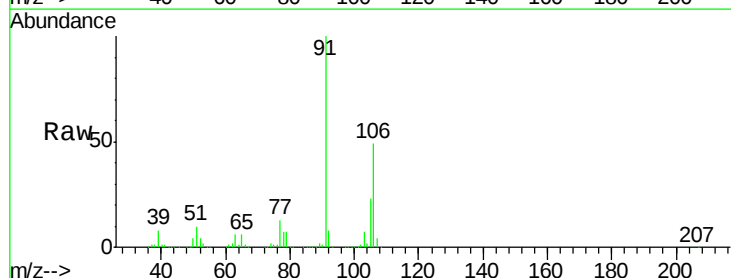
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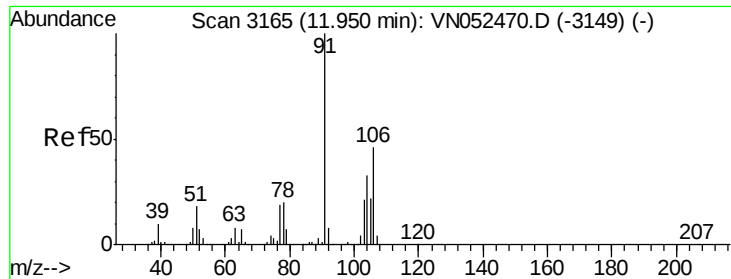
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#68
m/p-Xylenes
Concen: 101.222 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 106 Resp: 1824743
Ion Ratio Lower Upper
106 100
91 202.8 163.2 244.8





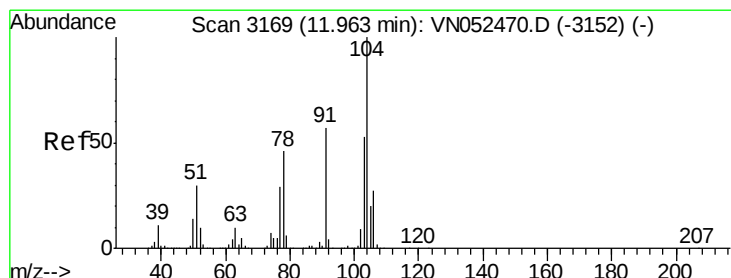
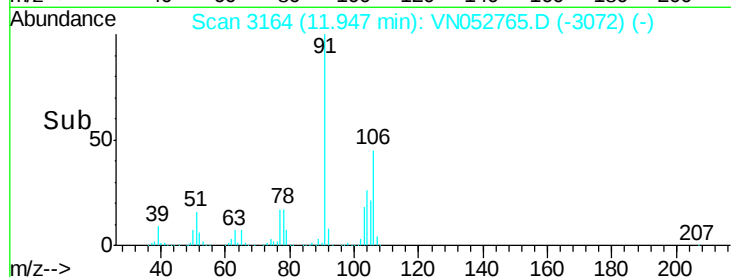
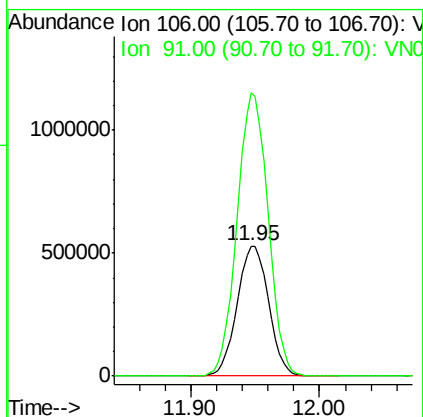
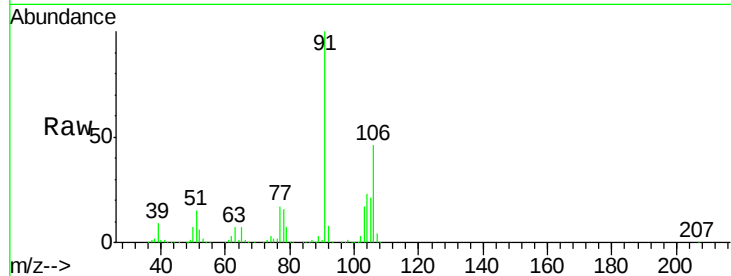
#69
o-Xylene
Concen: 51.113 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 894787
Ion Ratio Lower Upper
106 100
91 215.4 107.7 323.1

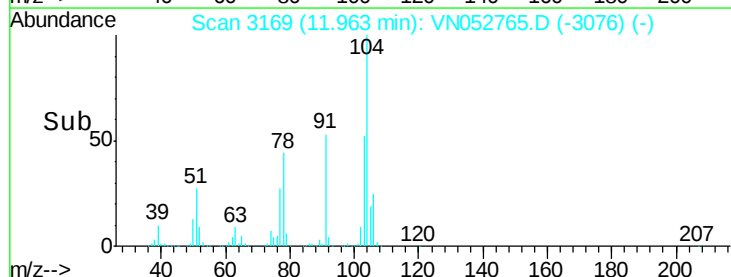
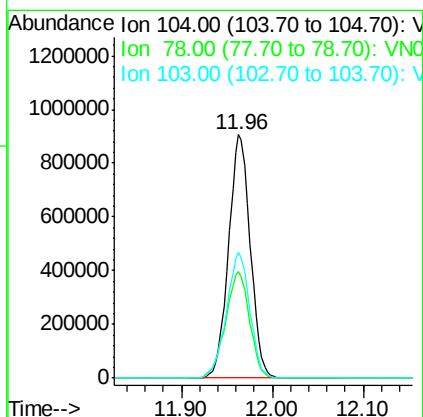
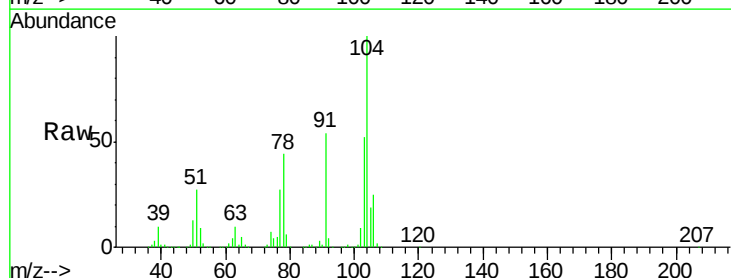
Manual Integrations
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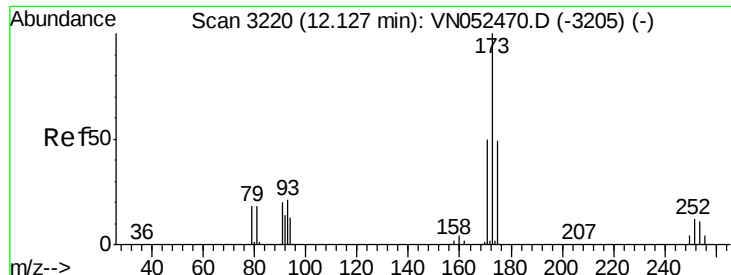
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#70
Styrene
Concen: 53.674 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion:104 Resp: 1496579
Ion Ratio Lower Upper
104 100
78 48.3 39.4 59.2
103 55.5 44.9 67.3





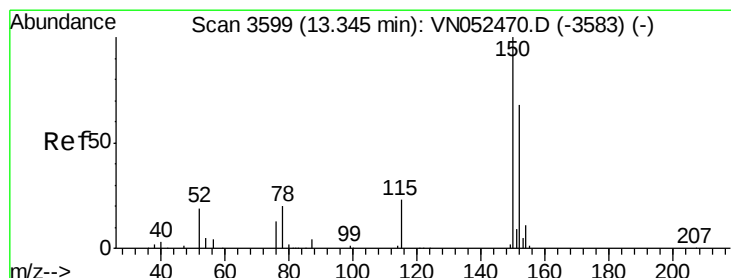
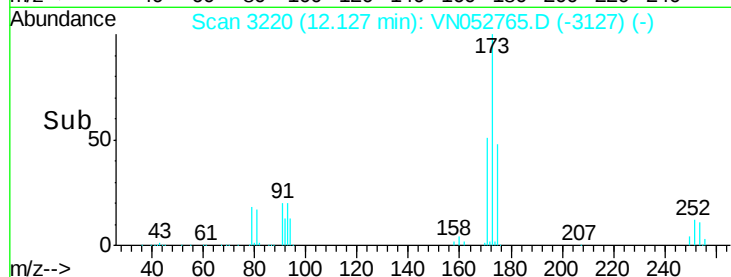
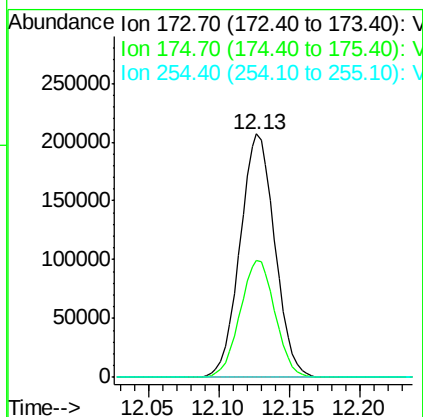
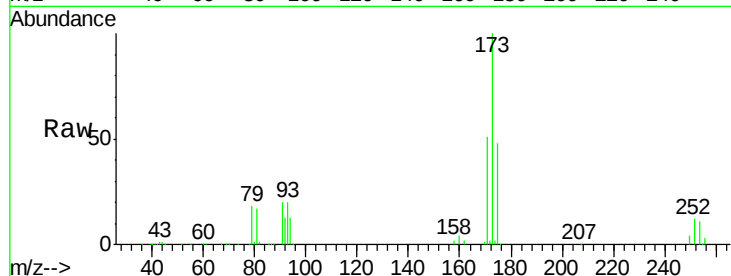
#71
Bromoform
Concen: 56.046 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.2	0.1	0.1#

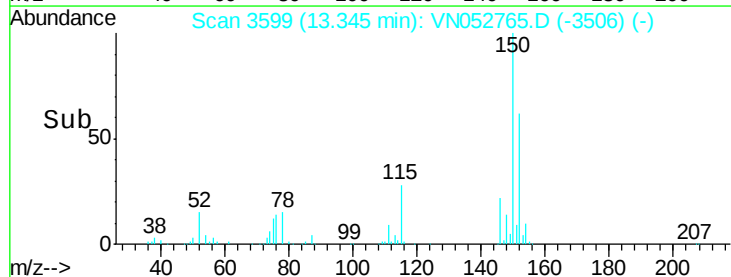
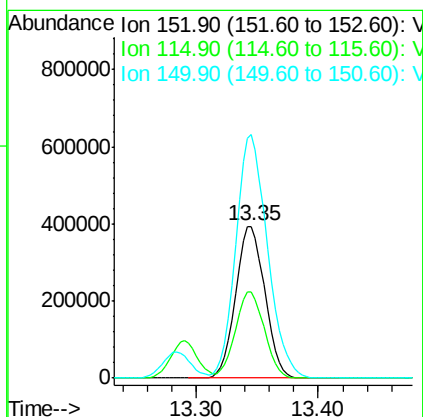
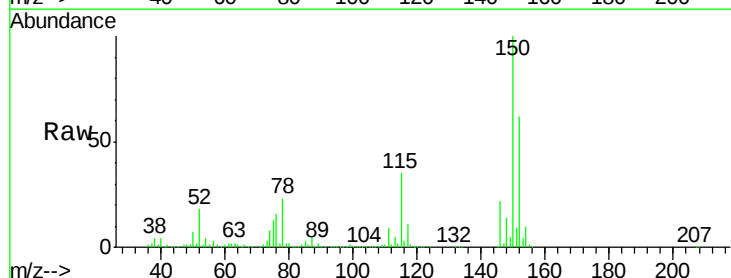
Manual Integrations
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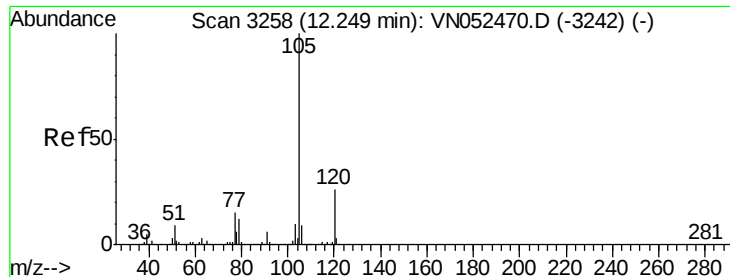
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.4	85.2
150	173.5	0.0	346.0





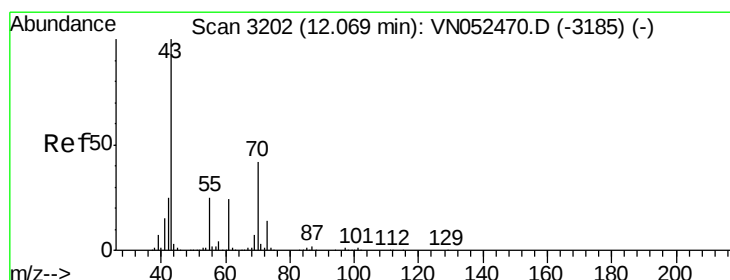
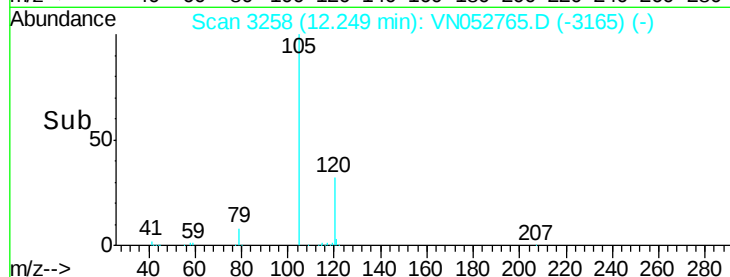
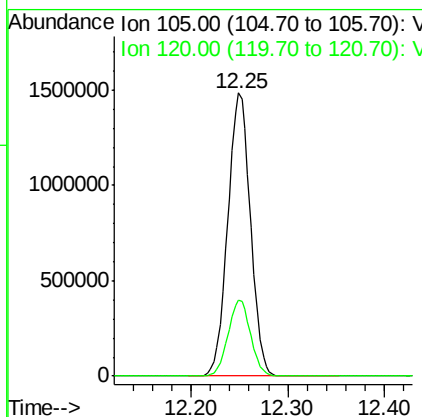
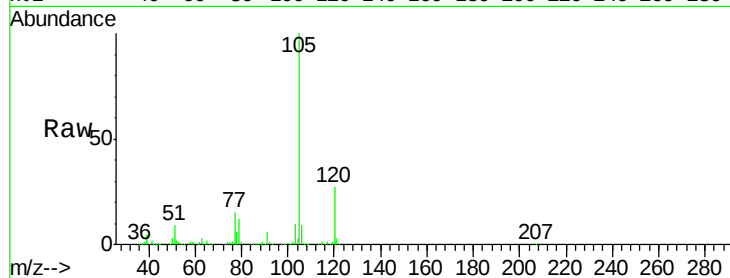
#73
Isopropylbenzene
Concen: 47.219 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 2408193
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.3

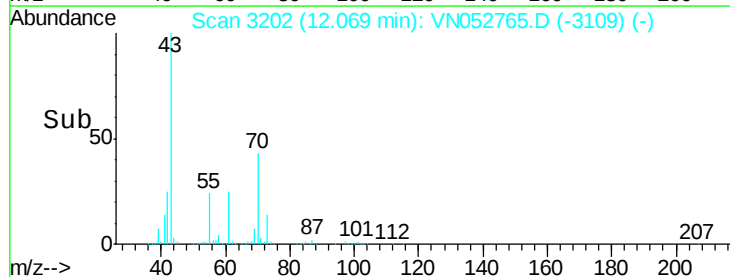
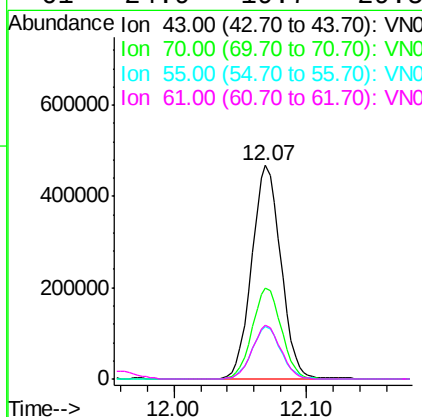
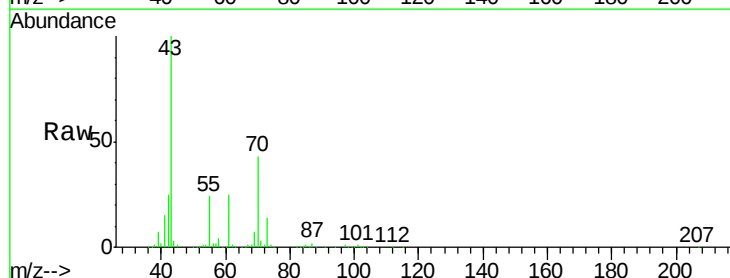
Manual Integrations
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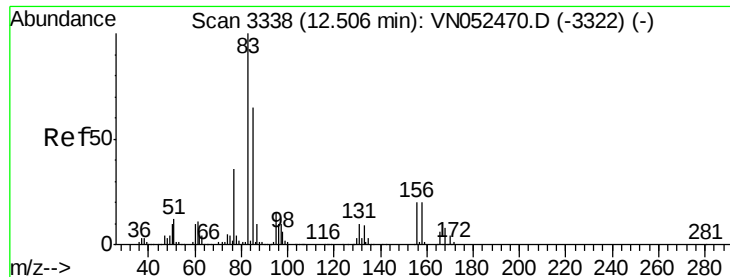
MMDadoda
12/11/2018 12:46:06 PM



#74
N-ethyl acetate
Concen: 55.144 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion: 43 Resp: 710521
Ion Ratio Lower Upper
43 100
70 42.8 33.8 50.8
55 24.4 20.0 30.0
61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.071 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

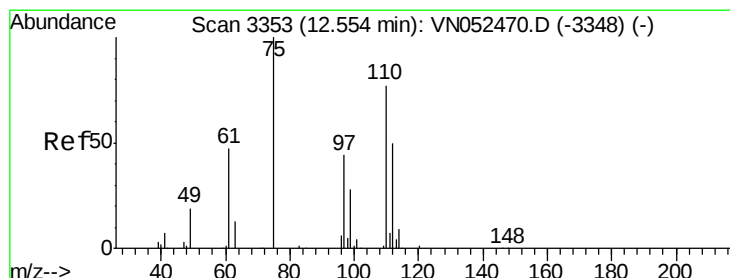
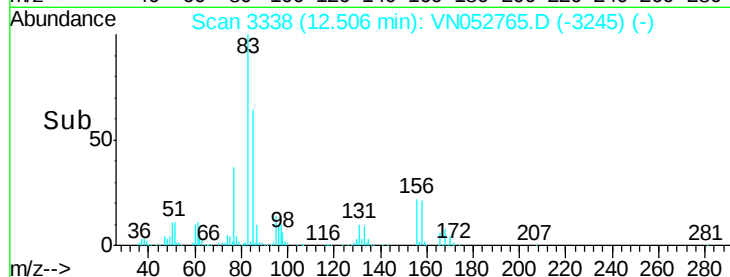
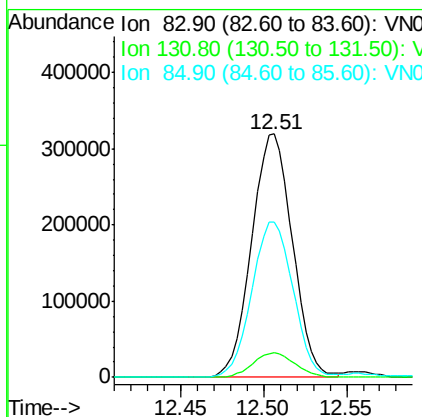
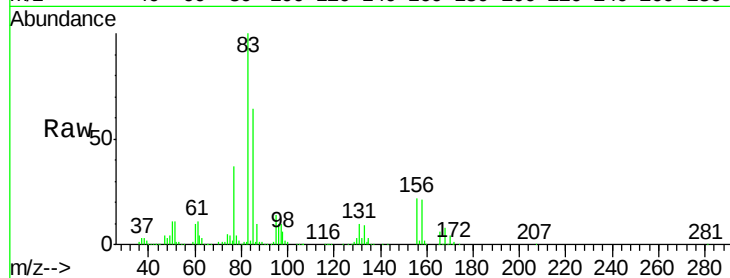
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	546095
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	64.4	31.9	95.9

Manual Integrations
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12/11/2018 12:46:06 PM



#76

1,2,3-Trichloropropane

Concen: 48.373 ug/l m

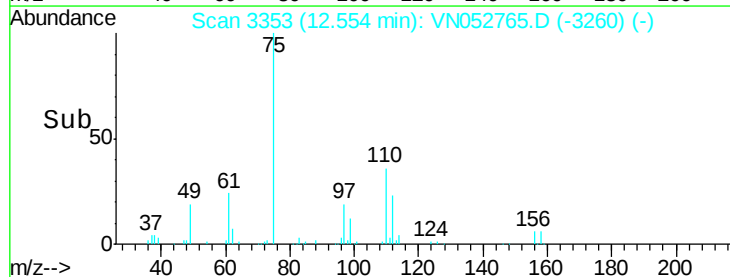
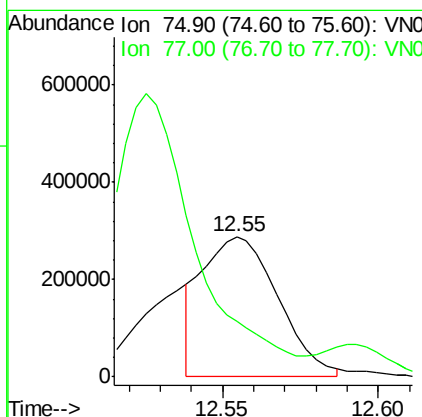
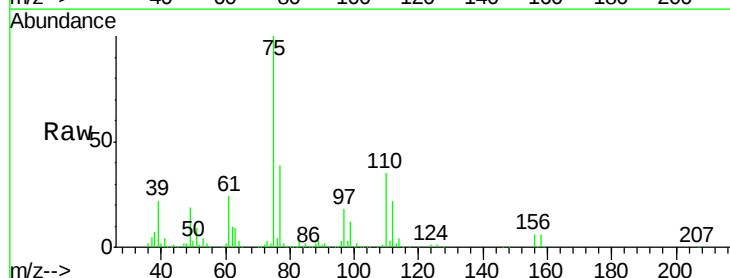
RT: 12.55 min Scan# 3353

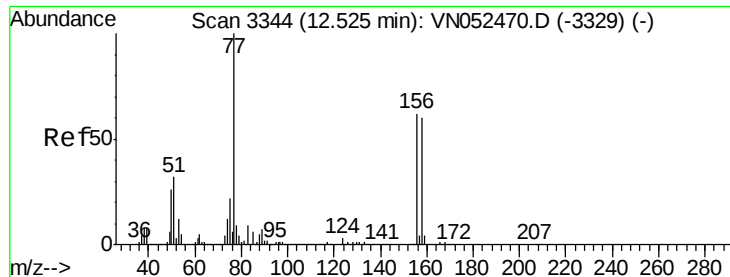
Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Tgt Ion:	75	Resp:	484896
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.444 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 610679

Ion Ratio Lower Upper

156 100

77 184.3 93.5 280.4

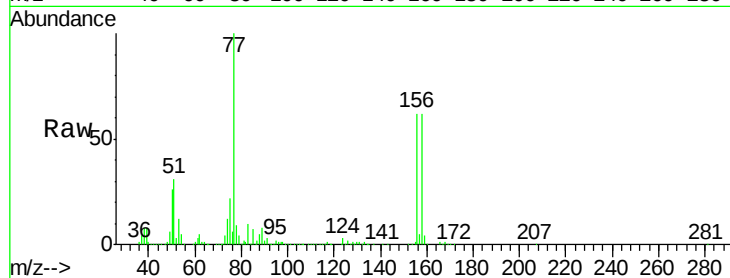
158 98.6 48.3 144.9

Manual Integrations

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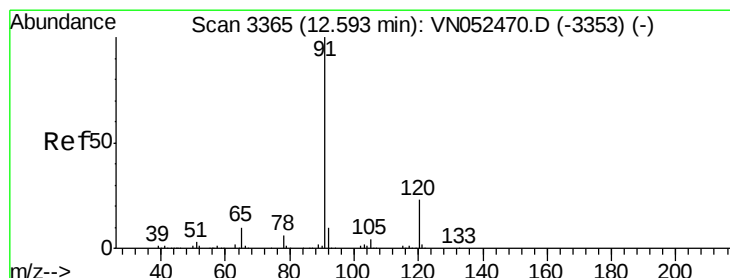
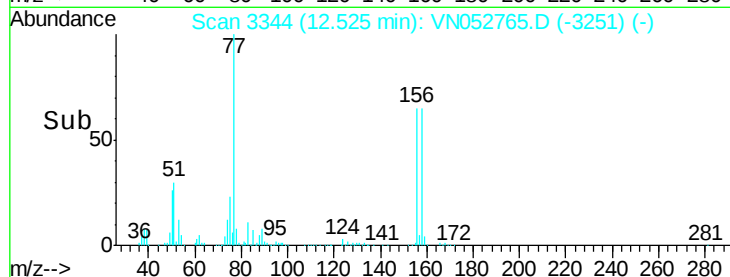
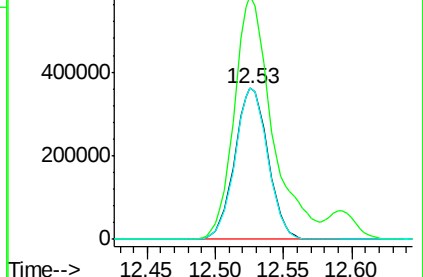
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.949 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052765.D

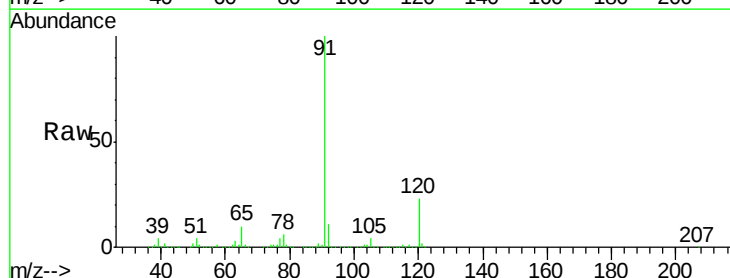
Acq: 10 Dec 2018 20:30

Tgt Ion: 91 Resp: 2778101

Ion Ratio Lower Upper

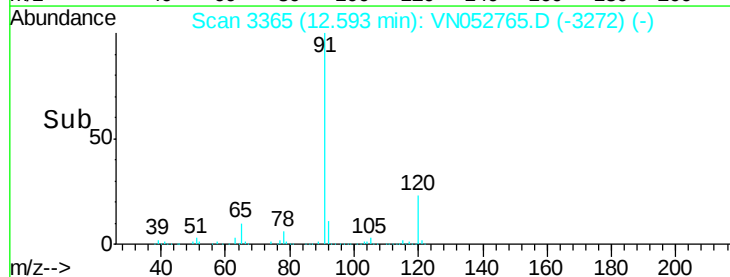
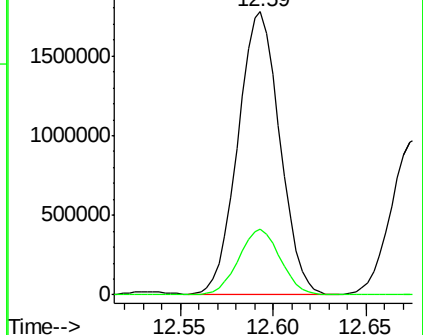
91 100

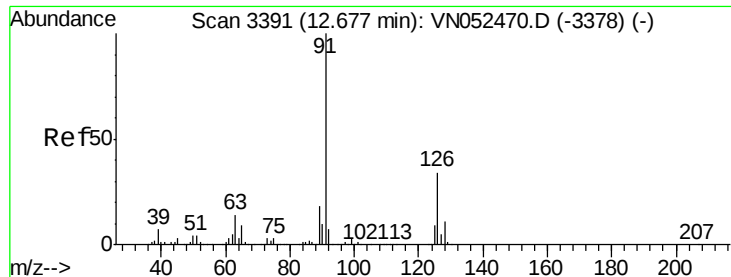
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.910 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1618538

Ion Ratio Lower Upper

91 100

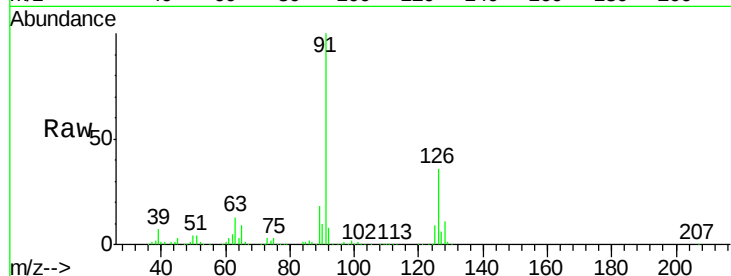
126 35.5 17.2 51.6

Manual Integrations

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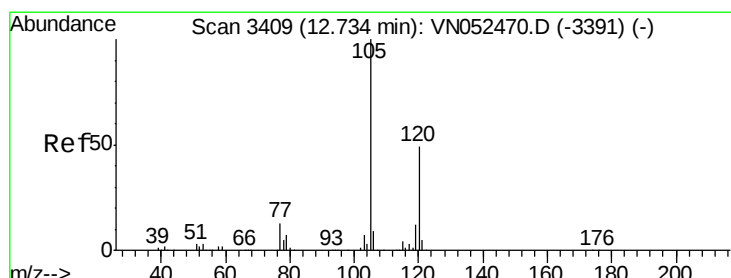
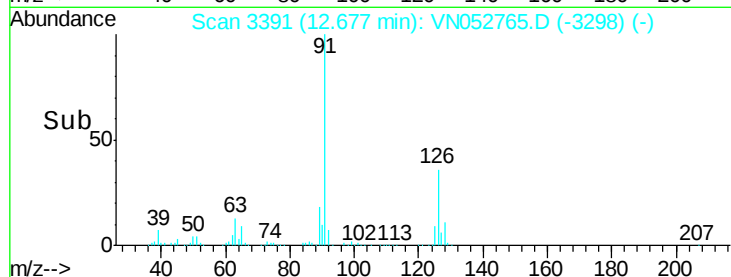
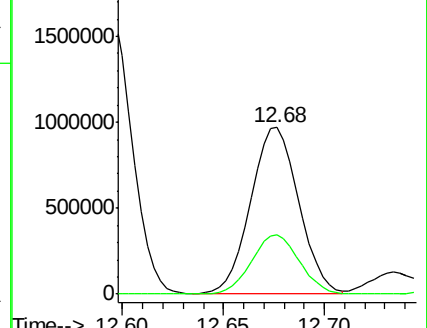
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.269 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052765.D

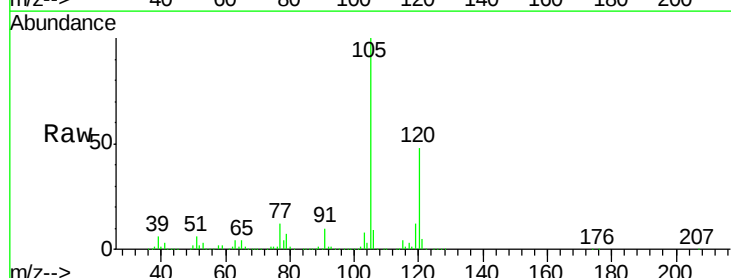
Acq: 10 Dec 2018 20:30

Tgt Ion: 105 Resp: 1963362

Ion Ratio Lower Upper

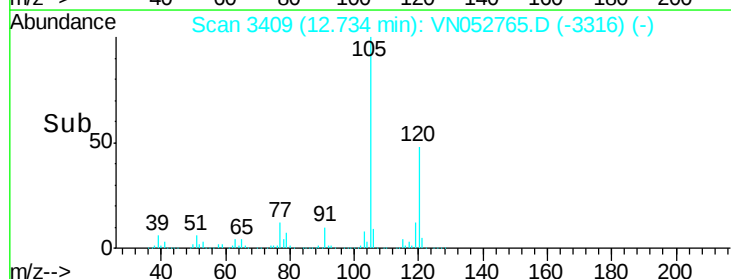
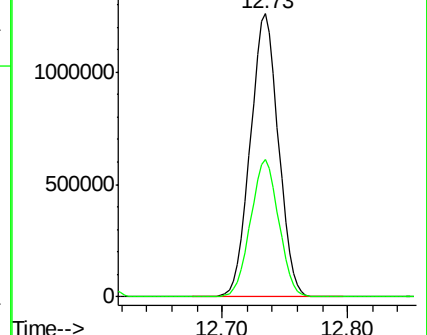
105 100

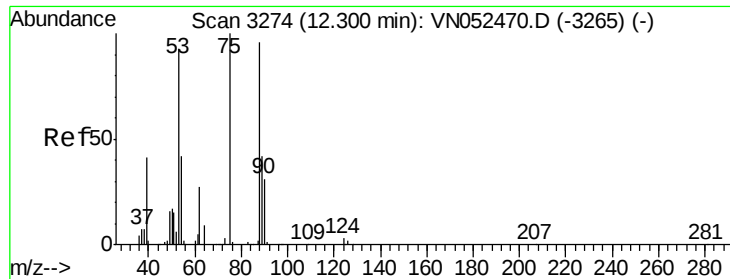
120 48.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)





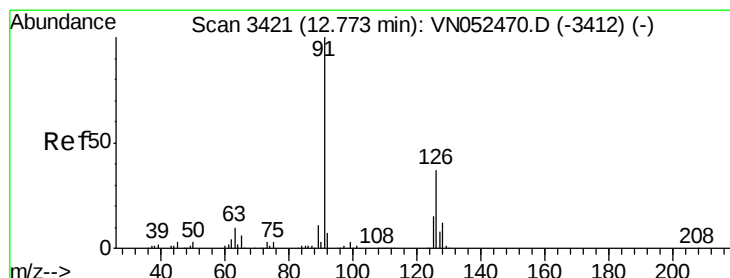
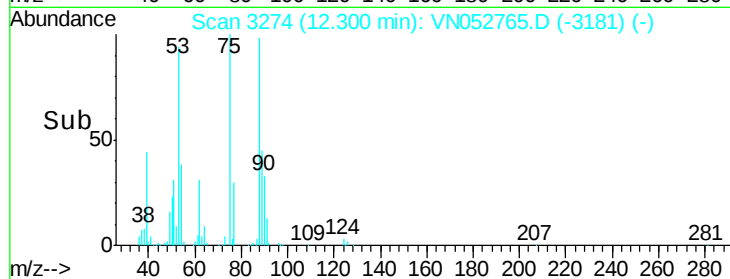
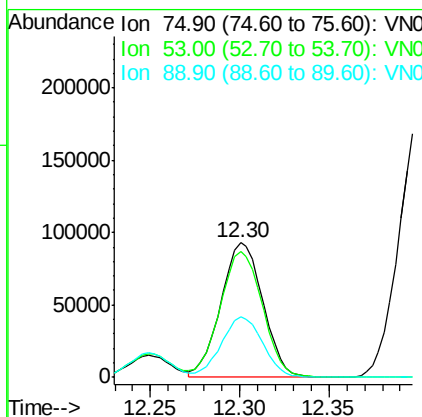
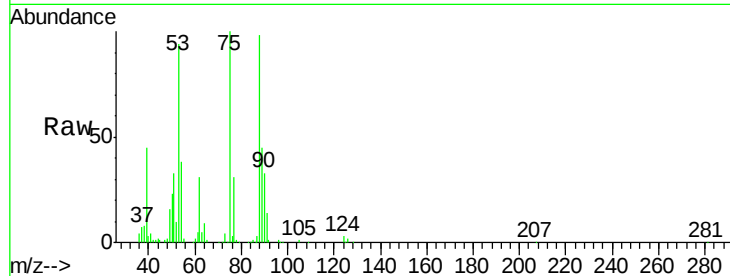
#81
trans-1,4-Dichloro-2-butene
Concen: 50.922 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	77.4	116.0
89	44.4	35.4	53.2

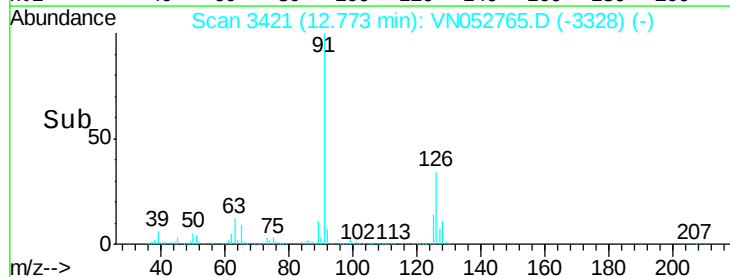
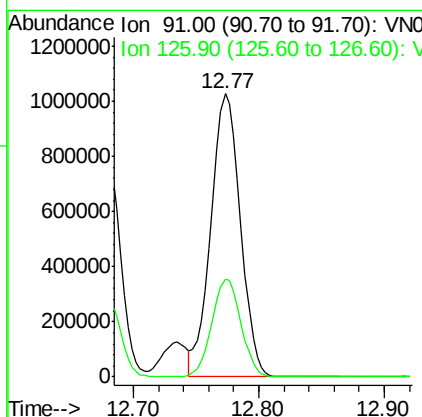
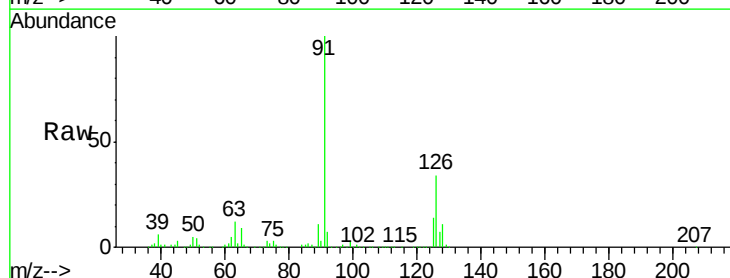
Manual Integrations
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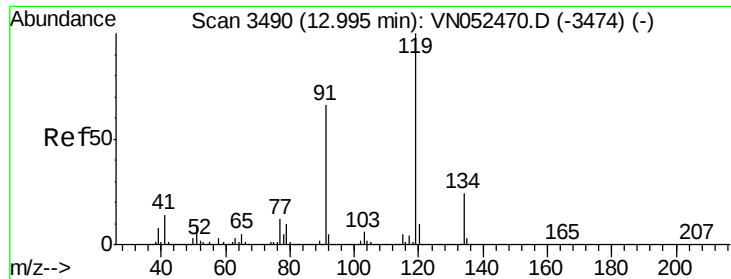
MMDadoda
12/11/2018 12:46:06 PM



#82
4-Chlorotoluene
Concen: 48.032 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052765.D
Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.6





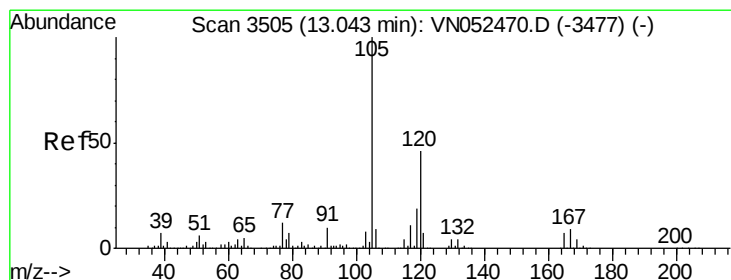
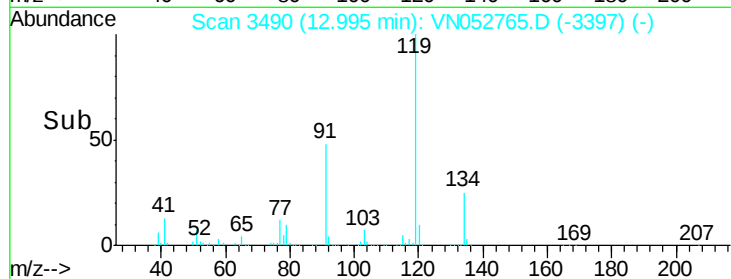
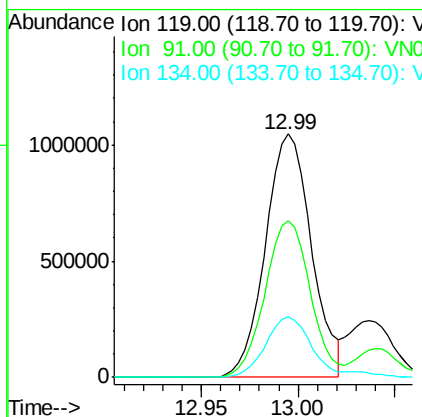
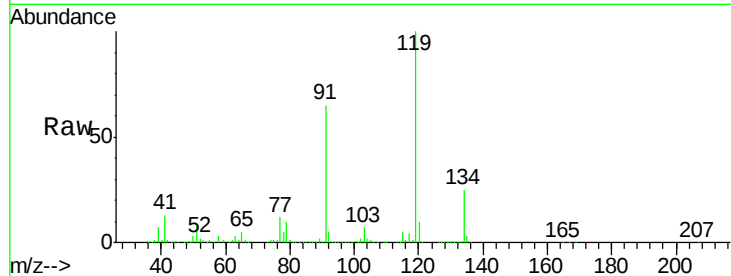
#83
 tert-Butylbenzene
 Concen: 47.765 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1732045
 Ion Ratio Lower Upper
 119 100
 91 63.7 32.3 96.9
 134 25.8 13.0 38.9

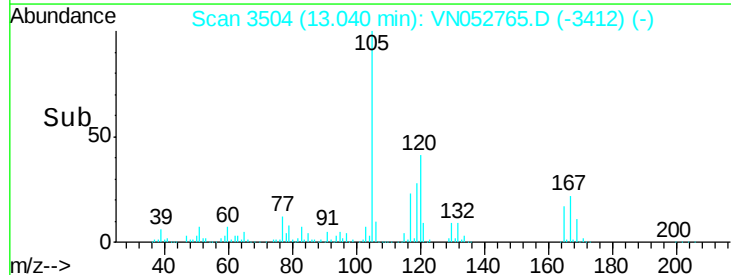
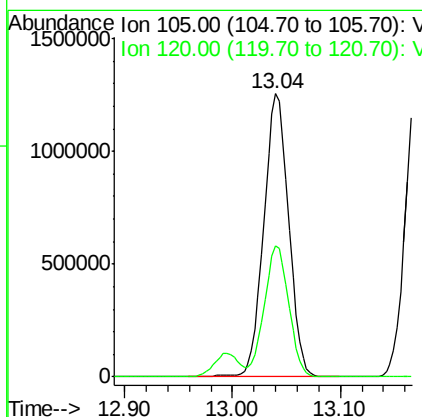
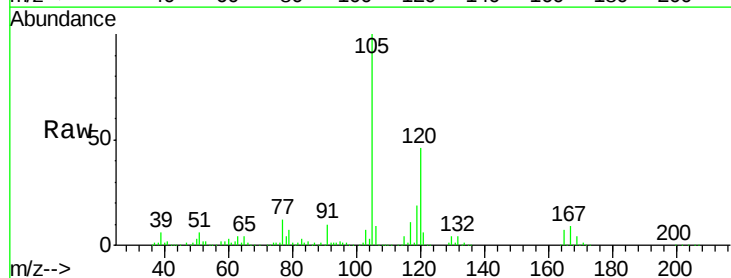
Manual Integrations
 APPROVED

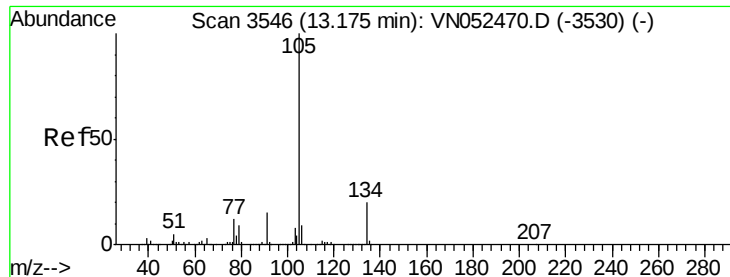
MMDadoda
 12/11/2018 12:46:06 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.219 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion:105 Resp: 2006334
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.8 68.4





#85

sec-Butylbenzene

Concen: 47.974 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2369413

Ion Ratio Lower Upper

105 100

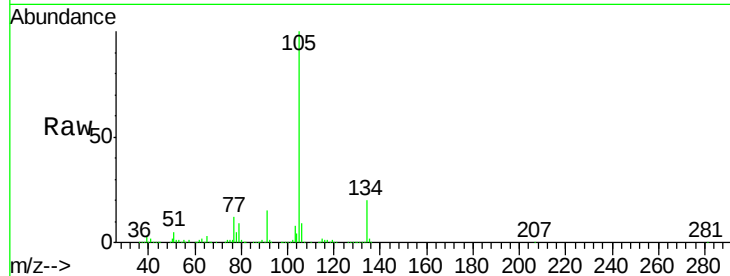
134 20.3 9.9 29.7

Manual Integrations

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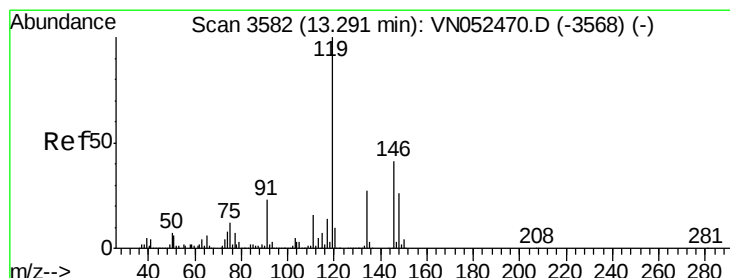
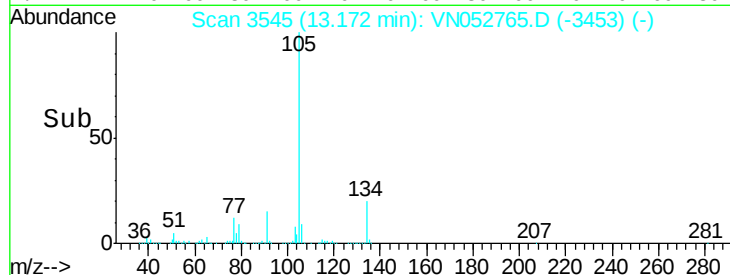
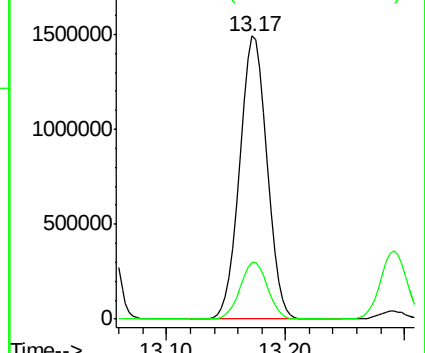
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.749 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

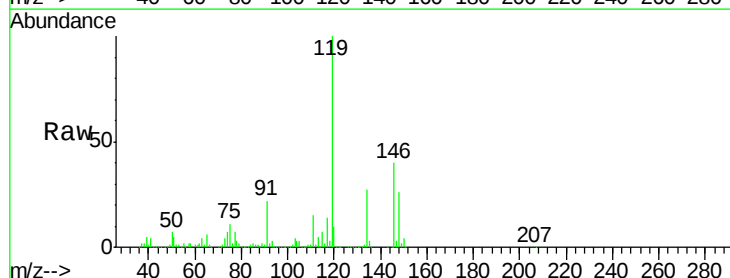
Tgt Ion:119 Resp: 2050714

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

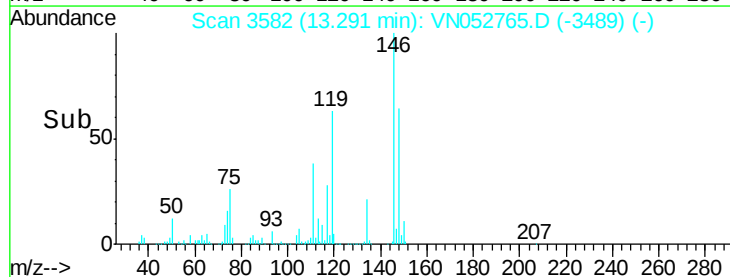
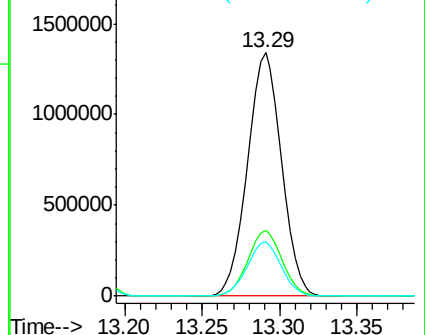
91 22.2 11.4 34.2

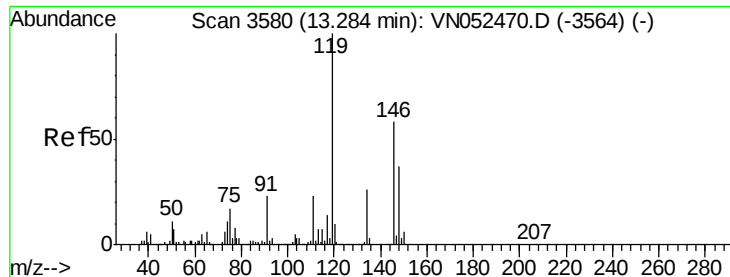


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





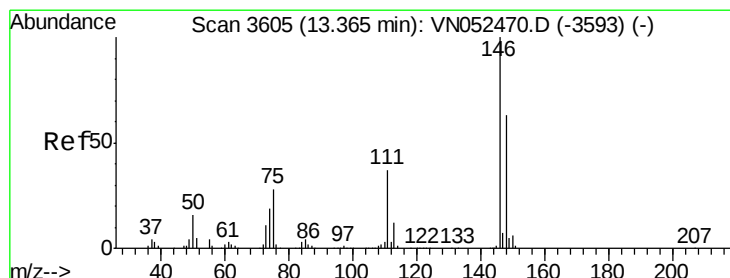
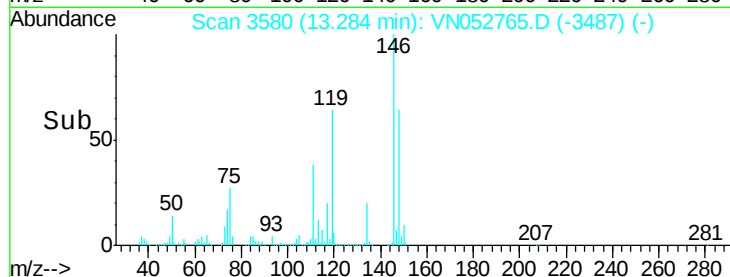
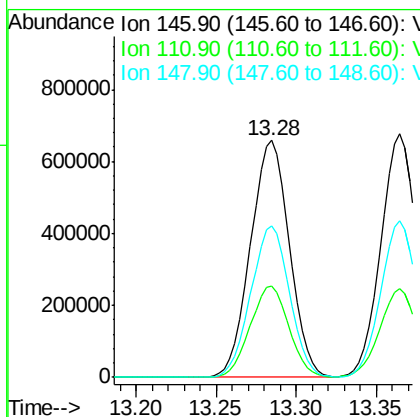
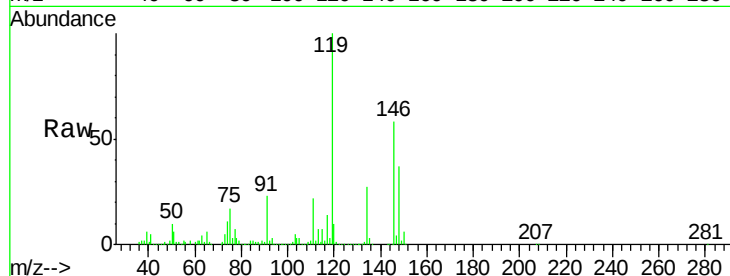
#87
 1,3-Dichlorobenzene
 Concen: 49.822 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.4
148	63.8	31.8	95.4

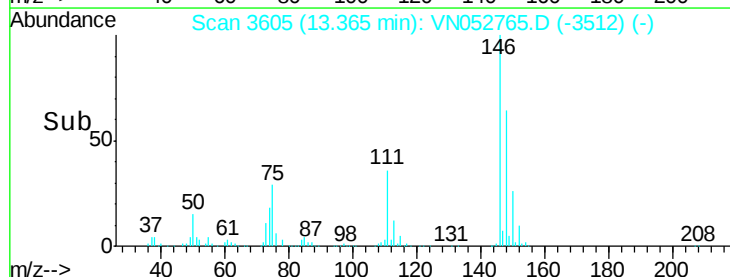
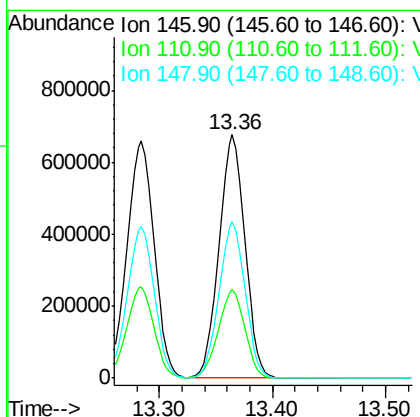
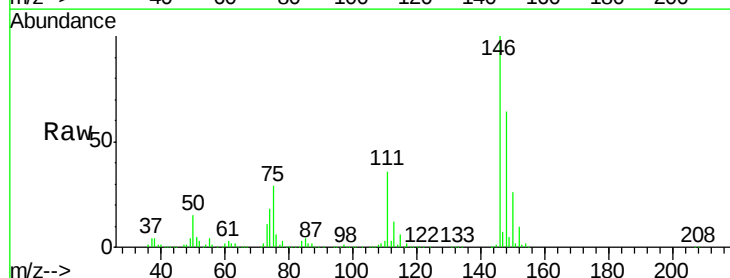
Manual Integrations
 APPROVED

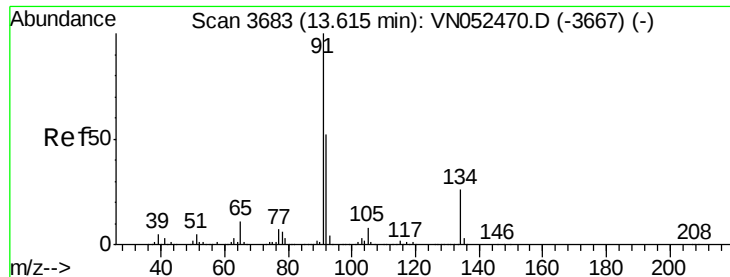
MMDadoda
 12/11/2018 12:46:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.713 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	56.0
148	64.5	31.9	95.9





#89

n-Butylbenzene

Concen: 49.917 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1746347

Ion Ratio Lower Upper

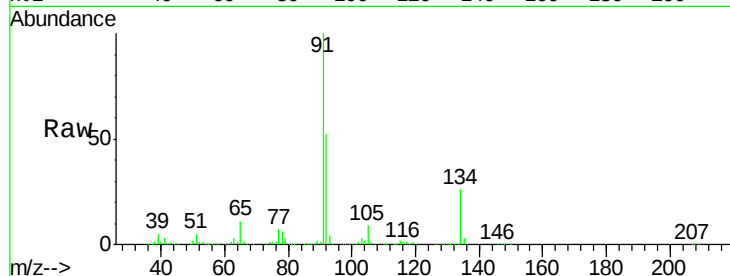
91 100

92 52.6 26.1 78.3

134 26.3 13.0 38.9

Manual Integrations
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12/11/2018 12:46:06 PM



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)

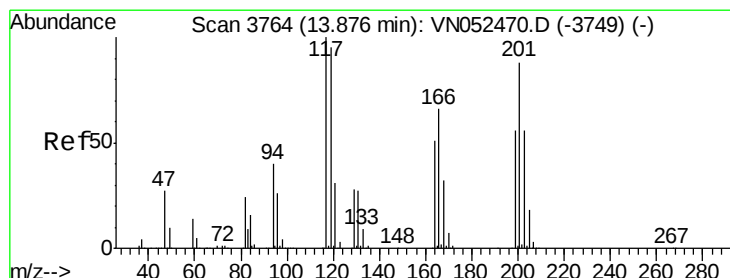
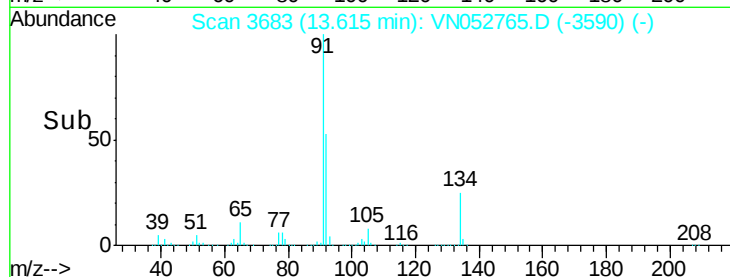
13.62

1000000

500000

0

Time-->



#90

Hexachloroethane

Concen: 47.884 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052765.D

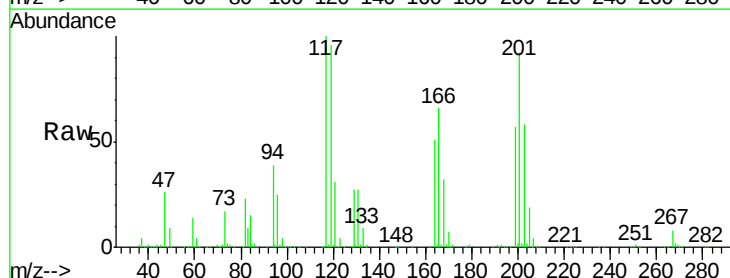
Acq: 10 Dec 2018 20:30

Tgt Ion: 117 Resp: 341068

Ion Ratio Lower Upper

117 100

201 91.1 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

13.88

200000

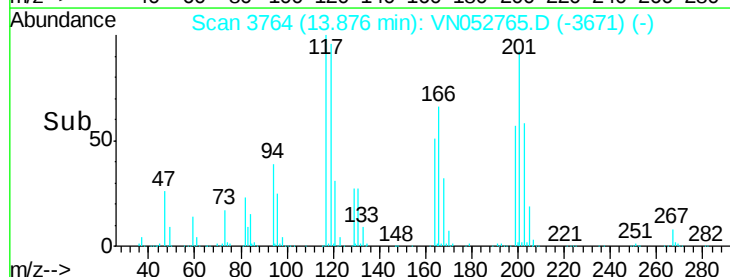
150000

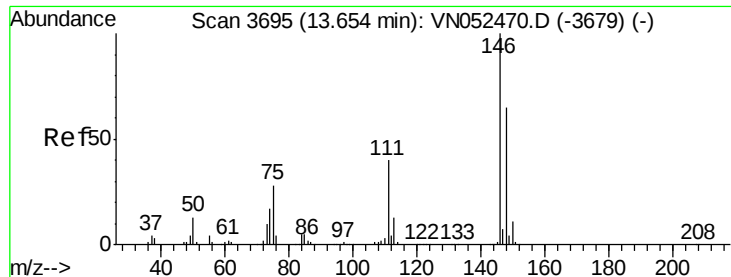
100000

50000

0

Time-->





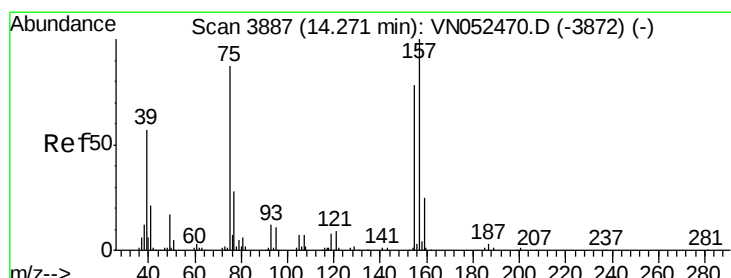
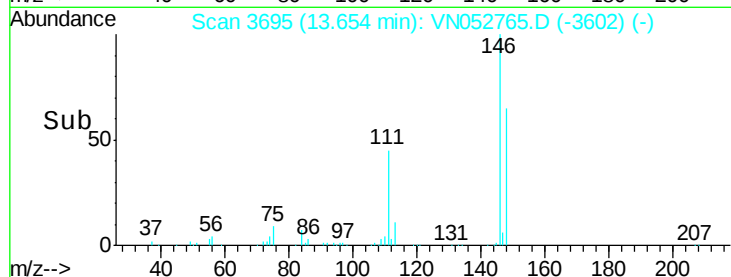
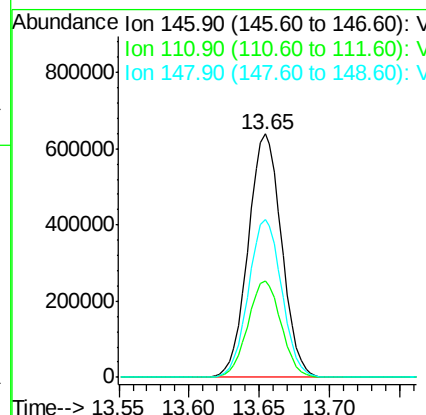
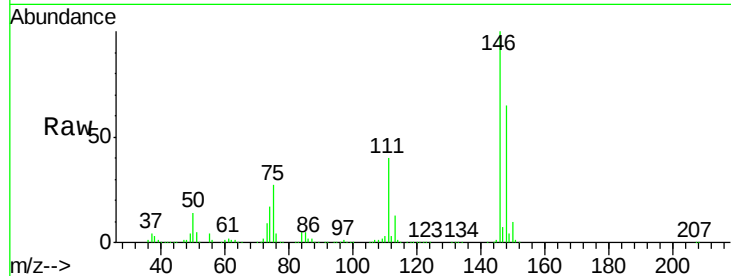
#91
 1,2-Dichlorobenzene
 Concen: 50.361 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1060967
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 60.0
 148 64.7 32.0 96.2

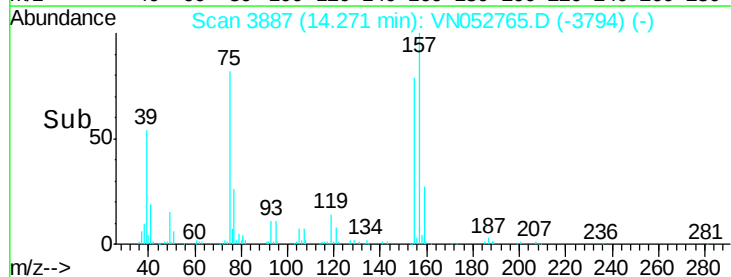
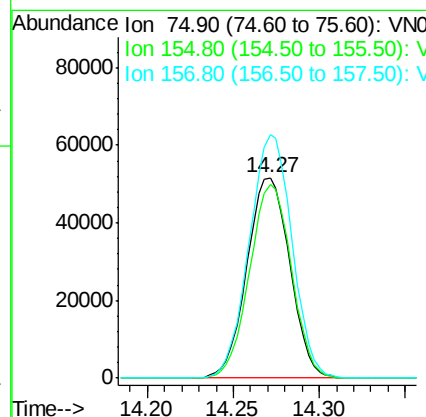
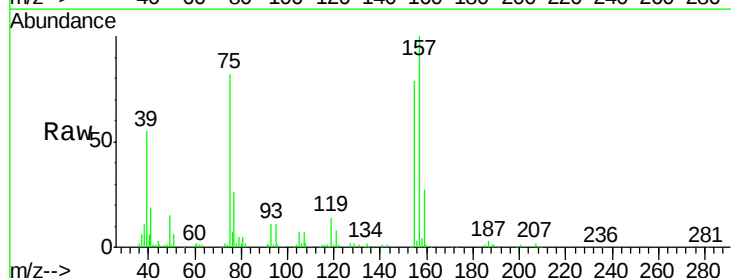
Manual Integrations
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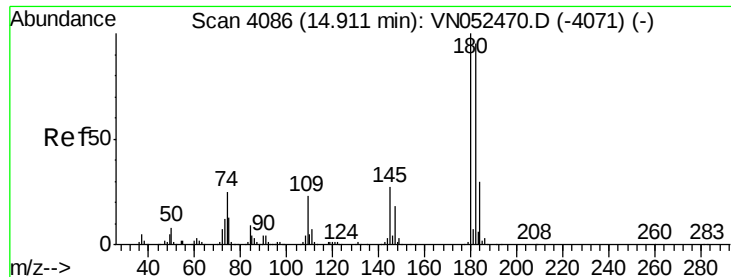
MMDadoda
 12/11/2018 12:46:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.925 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion: 75 Resp: 89476
 Ion Ratio Lower Upper
 75 100
 155 94.0 45.3 135.9
 157 120.7 58.1 174.2





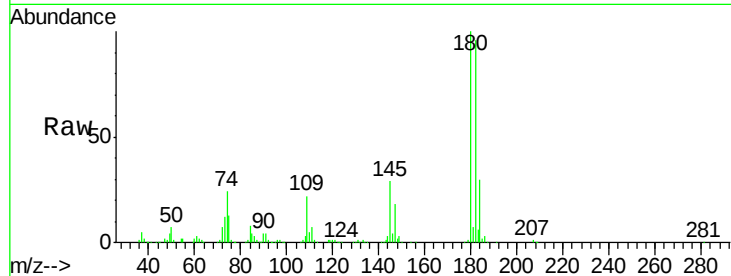
#93
 1,2,4-Trichlorobenzene
 Concen: 52.255 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

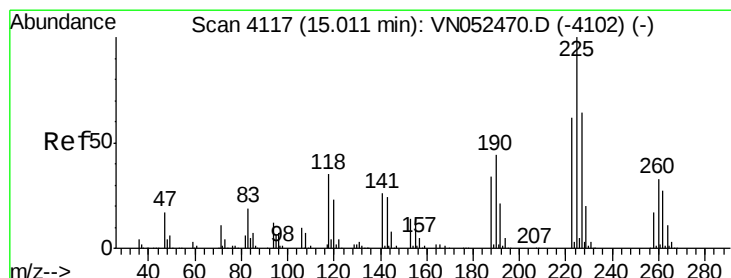
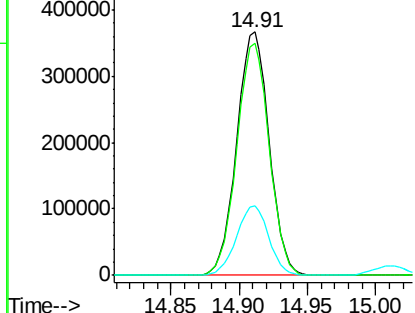
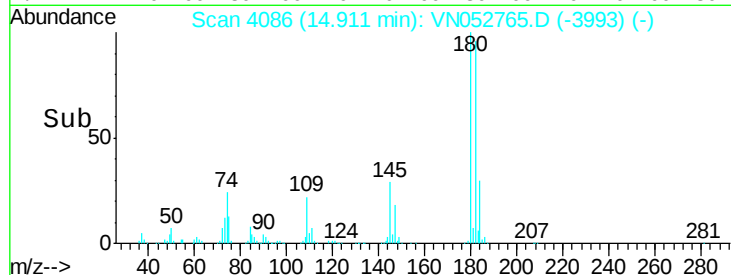
Tot Ion	Ratio	Resp	Lower	Upper
180	100	604615		
182	95.2	47.8	143.4	
145	28.6	14.1	42.3	

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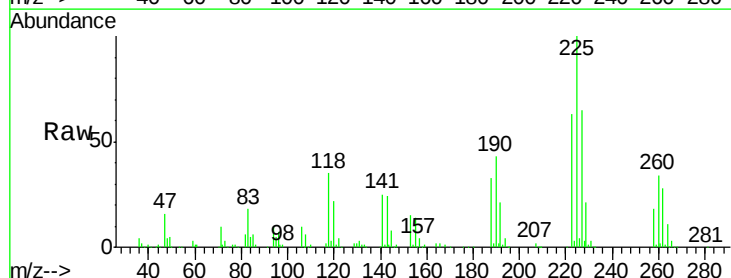


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

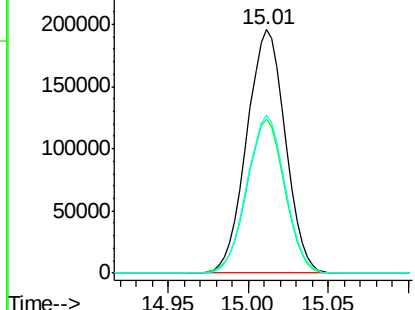
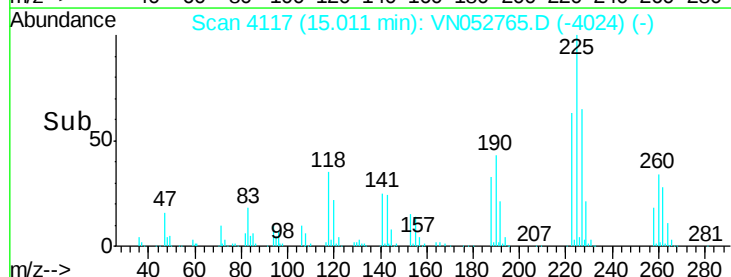


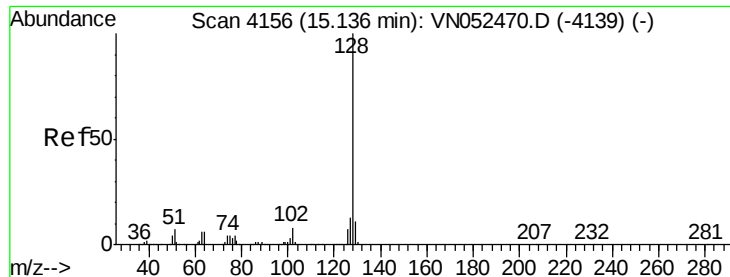
#94
 Hexachlorobutadiene
 Concen: 47.522 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052765.D
 Acq: 10 Dec 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	322073		
223	62.0	31.4	94.2	
227	64.1	32.5	97.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.203 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1307875

Ion Ratio Lower Upper

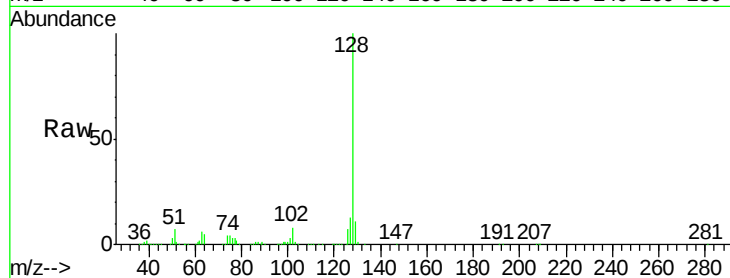
128 100

127 12.6 10.2 15.2

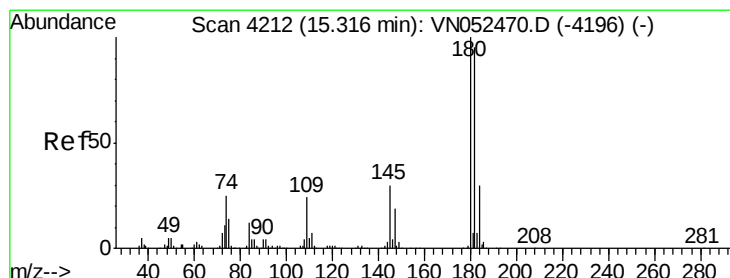
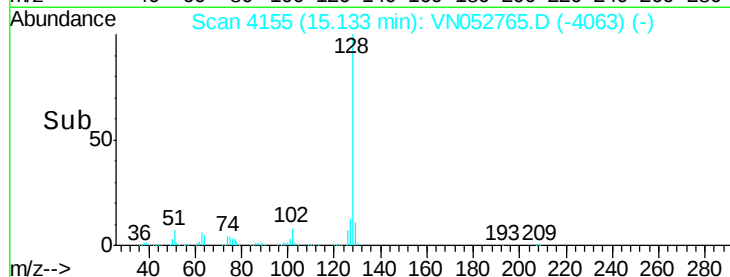
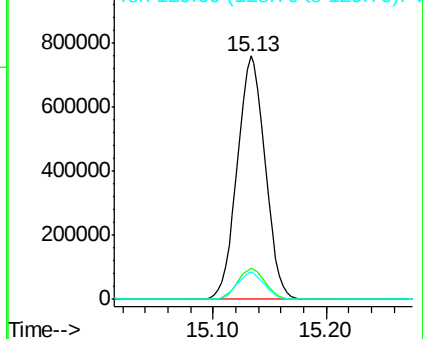
129 11.0 8.7 13.1

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.827 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052765.D

Acq: 10 Dec 2018 20:30

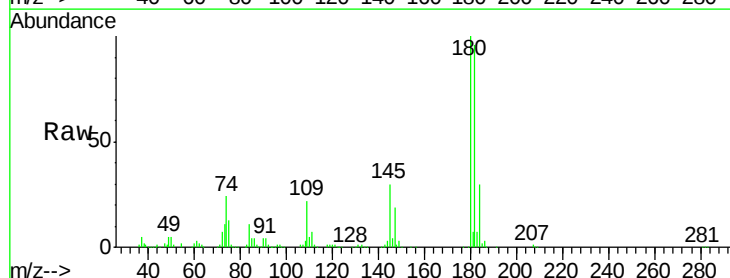
Tgt Ion:180 Resp: 551044

Ion Ratio Lower Upper

180 100

182 95.9 47.8 143.3

145 30.4 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

