

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052767.D
 Acq On : 10 Dec 2018 21:50
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:46:52 PM

Quant Time: Dec 11 03:18:09 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	918487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1441223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1301160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	629412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	544584	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
35) Dibromofluoromethane	7.59	113	405957	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
50) Toluene-d8	10.09	98	1885083	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
62) 4-Bromofluorobenzene	12.40	95	668896	57.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	371523	43.200	ug/l	98
3) Chloromethane	2.06	50	484580	42.686	ug/l	99
4) Vinyl Chloride	2.19	62	514173	44.092	ug/l	100
5) Bromomethane	2.57	94	288529	39.654	ug/l	99
6) Chloroethane	2.71	64	324009	45.870	ug/l	99
7) Trichlorofluoromethane	3.02	101	681880	47.602	ug/l	99
8) Diethyl Ether	3.41	74	275942	52.165	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	436509	48.836	ug/l	98
10) Methyl Iodide	3.96	142	551455	46.322	ug/l	100
11) Tert butyl alcohol	4.78	59	134060	267.766	ug/l	100
12) 1,1-Dichloroethene	3.74	96	410288	47.687	ug/l	99
13) Acrolein	3.61	56	118716	136.431	ug/l	98
14) Allyl chloride	4.33	41	673574	45.424	ug/l	95
15) Acrylonitrile	4.99	53	851409	268.647	ug/l	99
16) Acetone	3.82	43	552619	209.502	ug/l	99
17) Carbon Disulfide	4.06	76	1051754	38.845	ug/l	99
18) Methyl Acetate	4.32	43	442962	58.544	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1248191	54.526	ug/l	100
20) Methylene Chloride	4.55	84	492406	47.703	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	443771	48.293	ug/l	96
22) Diisopropyl ether	5.95	45	1585557	50.904	ug/l	98
23) Vinyl Acetate	5.90	43	4577228	235.931	ug/l	99
24) 1,1-Dichloroethane	5.85	63	895731	50.366	ug/l	99
25) 2-Butanone	6.83	43	939017	251.157	ug/l	97
26) 2,2-Dichloropropane	6.83	77	595783	48.399	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	543709	50.795	ug/l	97
28) Bromochloromethane	7.20	49	417834	51.438	ug/l	93
29) Tetrahydrofuran	7.21	42	629811	261.171	ug/l	98
30) Chloroform	7.37	83	887841	50.037	ug/l	99
31) Cyclohexane	7.65	56	765486	44.429	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	727749	51.766	ug/l	99
36) 1,1-Dichloropropene	7.80	75	646916	47.533	ug/l	99
37) Ethyl Acetate	6.93	43	421955	50.801	ug/l	99
38) Carbon Tetrachloride	7.78	117	626531	50.852	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	764087	46.190	ug/l	98
40) Benzene	8.04	78	2010761	49.575	ug/l	100
41) Methacrylonitrile	7.17	41	246901	54.372	ug/l	94
42) 1,2-Dichloroethane	8.13	62	623758	50.790	ug/l	99
43) Isopropyl Acetate	8.16	43	823955	58.618	ug/l	96
44) Trichloroethene	8.84	130	539217	51.901	ug/l	99
45) 1,2-Dichloropropane	9.12	63	552370	51.224	ug/l	98
46) Dibromomethane	9.21	93	317843	53.244	ug/l	98
47) Bromodichloromethane	9.40	83	679683	52.369	ug/l	100
48) Methyl methacrylate	9.20	41	397066	54.175	ug/l	97
49) 1,4-Dioxane	9.20	88	74805	983.423	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2209339	280.140	ug/l	99
52) Toluene	10.16	92	1253003	51.995	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	676943	54.217	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	783460	52.361	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	461088	54.395	ug/l	99
56) Ethyl methacrylate	10.43	69	618027	52.370	ug/l	98
57) 1,3-Dichloropropane	10.71	76	792141	52.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1680366	273.189	ug/l	98
59) 2-Hexanone	10.75	43	1482562	280.095	ug/l	99
60) Dibromochloromethane	10.90	129	513442	55.769	ug/l	100
61) 1,2-Dibromoethane	11.01	107	455891	54.149	ug/l	100
64) Tetrachloroethene	10.63	164	575476	57.044	ug/l	99
65) Chlorobenzene	11.44	112	1392832	51.914	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	500884	53.692	ug/l	100
67) Ethyl Benzene	11.51	91	2412143	51.340	ug/l	100
68) m/p-Xylenes	11.62	106	1839181	105.151	ug/l	98
69) o-Xylene	11.95	106	900783	53.034	ug/l	99
70) Styrene	11.96	104	1489437	55.056	ug/l	99
71) Bromoform	12.13	173	355308	57.522	ug/l #	99
73) Isopropylbenzene	12.25	105	2406851	48.740	ug/l	99
74) N-amyl acetate	12.07	43	701350	56.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	547664	48.754	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	481449m	49.604	ug/l	
77) Bromobenzene	12.53	156	611219	50.077	ug/l	98
78) n-propylbenzene	12.59	91	2750336	49.026	ug/l	99
79) 2-Chlorotoluene	12.68	91	1625481	48.656	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1954877	49.637	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	151369	52.082	ug/l	97
82) 4-Chlorotoluene	12.77	91	1657069	49.216	ug/l	99
83) tert-Butylbenzene	12.99	119	1733037	49.360	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1991513	50.458	ug/l	99
85) sec-Butylbenzene	13.17	105	2367606	49.509	ug/l	99
86) p-Isopropyltoluene	13.29	119	2043207	50.163	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1093143	51.200	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1082325	51.465	ug/l	100
89) n-Butylbenzene	13.62	91	1728314	51.022	ug/l	100
90) Hexachloroethane	13.88	117	340325	49.346	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1062207	52.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88505	55.089	ug/l	97

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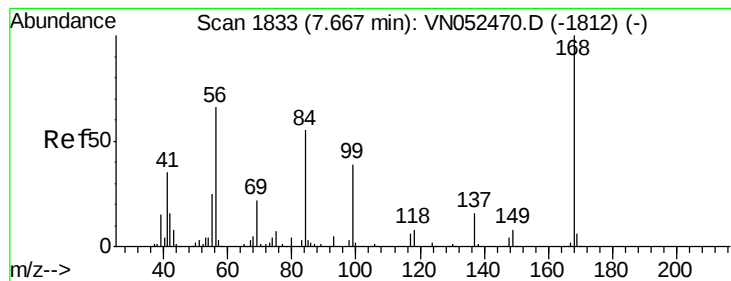
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	587975	52.471	ug/l	99
94) Hexachlorobutadiene	15.01	225	317870	48.440	ug/l	99
95) Naphthalene	15.13	128	1278955	53.699	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	541246	52.535	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 918487

Ion Ratio Lower Upper

168 100

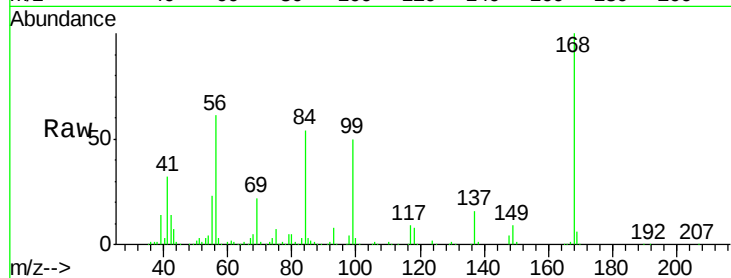
99 50.4 41.7 62.5

Manual Integrations

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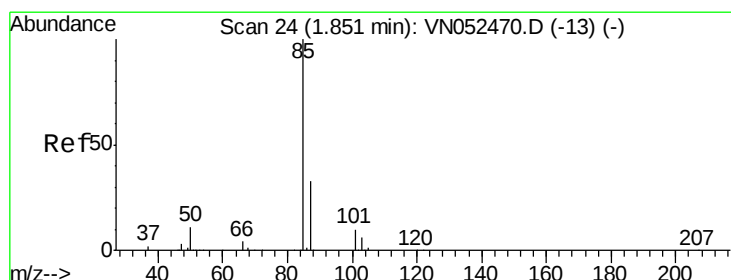
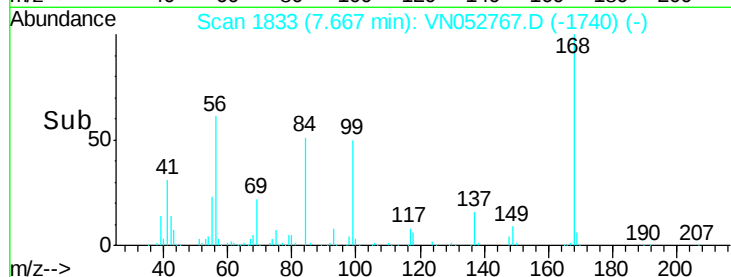
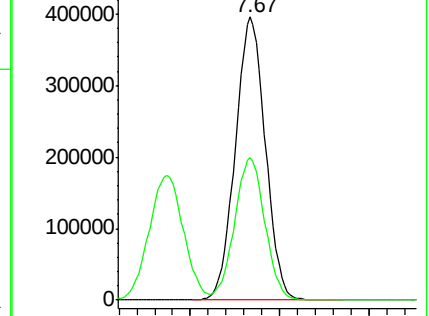
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.200 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052767.D

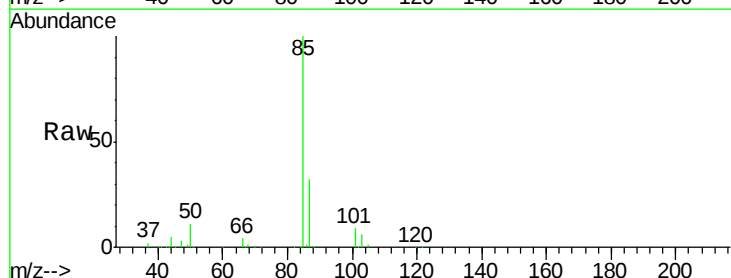
Acq: 10 Dec 2018 21:50

Tgt Ion: 85 Resp: 371523

Ion Ratio Lower Upper

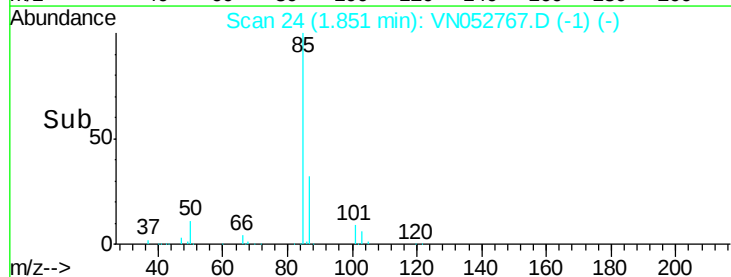
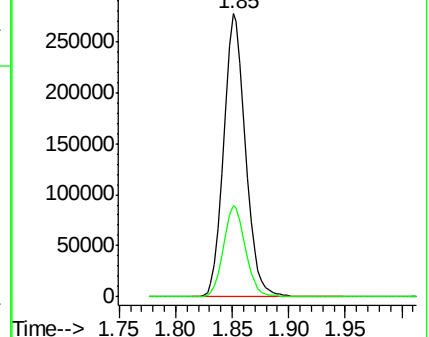
85 100

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: 42.686 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 484580

Ion Ratio Lower Upper

50 100

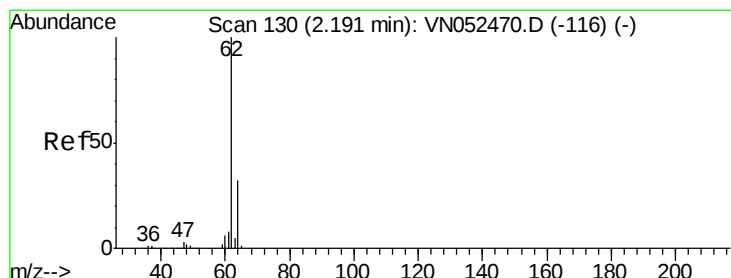
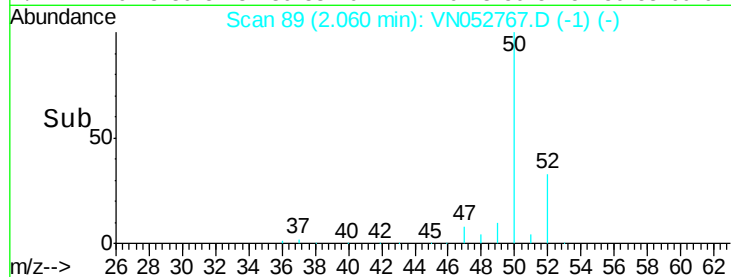
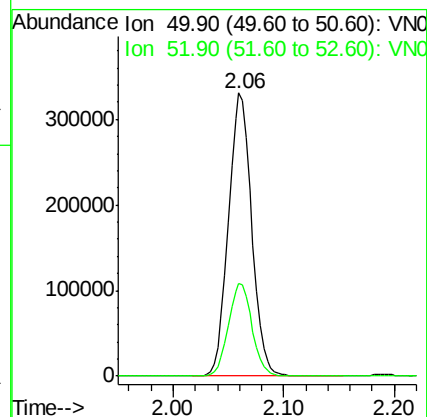
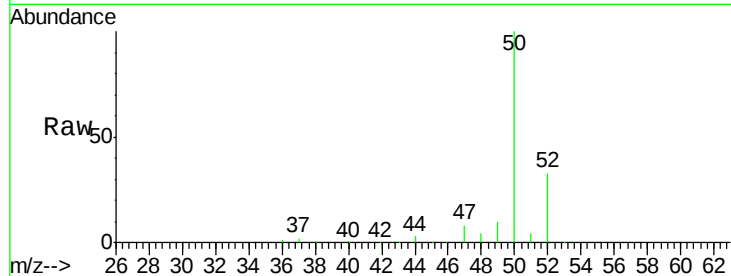
52 32.9 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.092 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052767.D

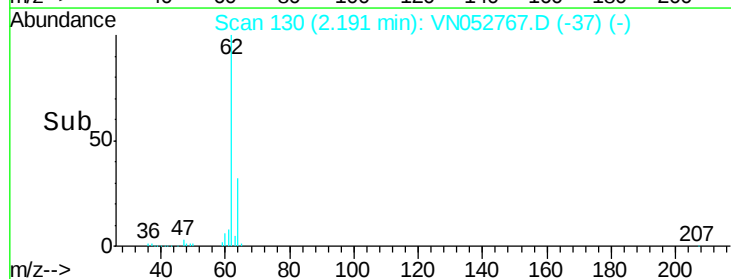
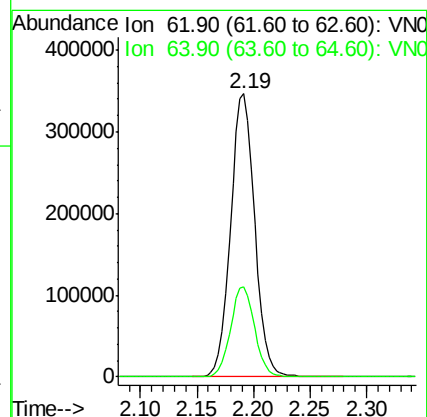
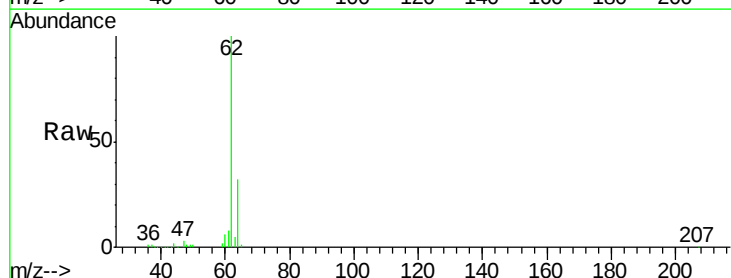
Acq: 10 Dec 2018 21:50

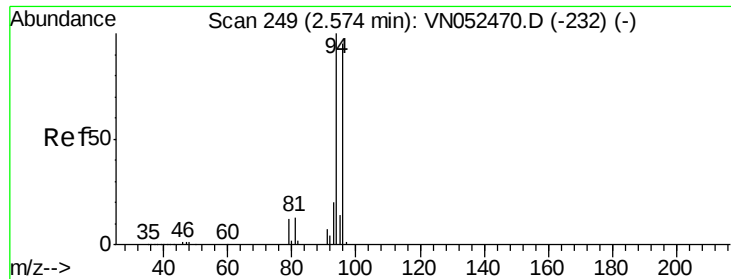
Tgt Ion: 62 Resp: 514173

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 39.654 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 288529

Ion Ratio Lower Upper

94 100

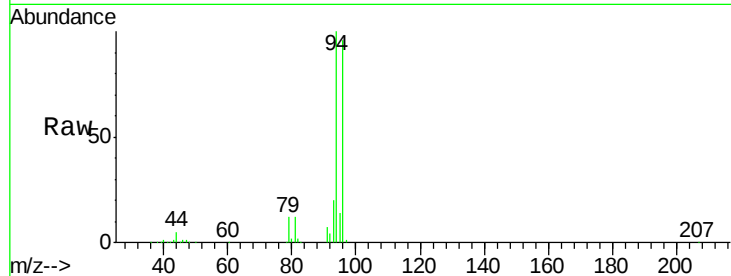
96 95.9 75.8 113.8

Manual Integrations

APPROVED

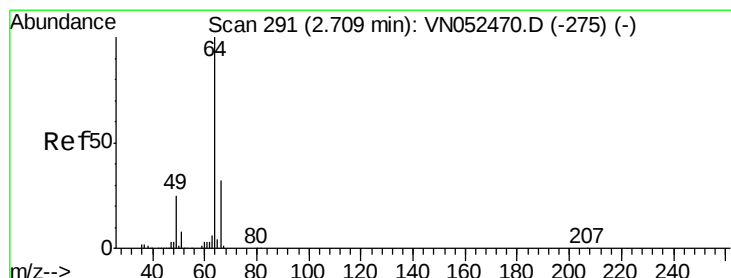
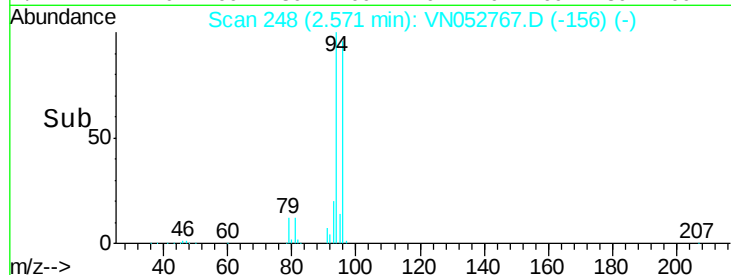
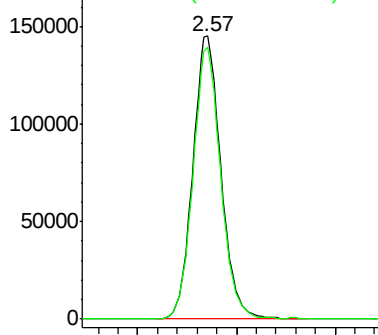
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 45.870 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052767.D

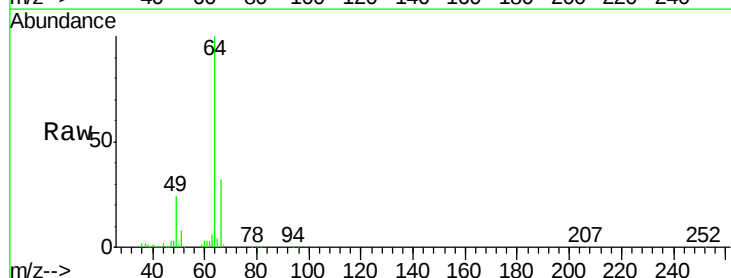
Acq: 10 Dec 2018 21:50

Tgt Ion: 64 Resp: 324009

Ion Ratio Lower Upper

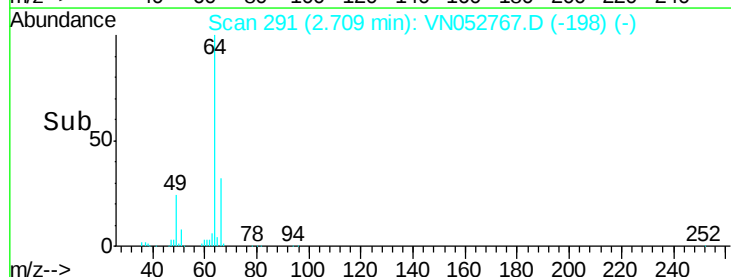
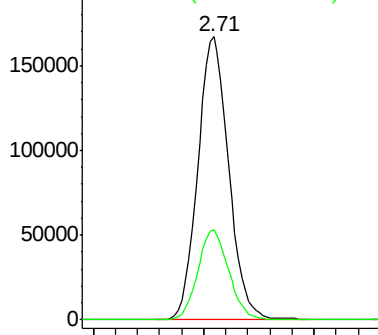
64 100

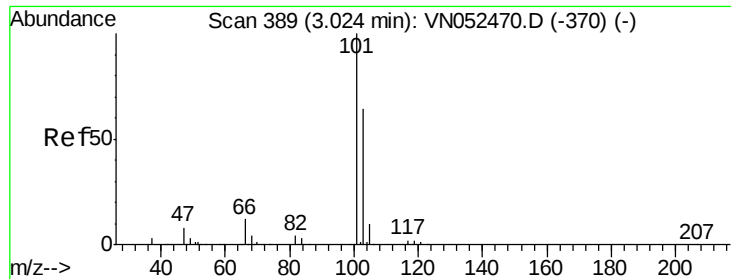
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

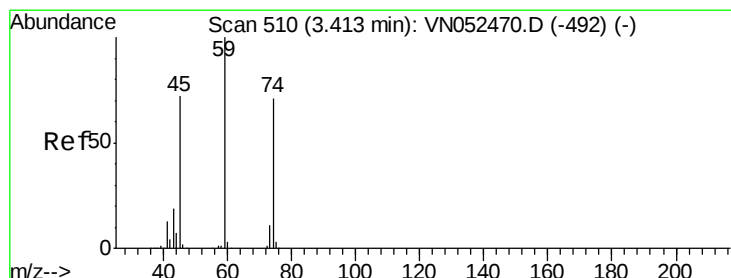
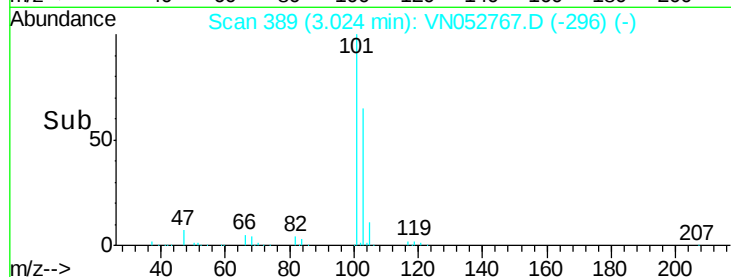
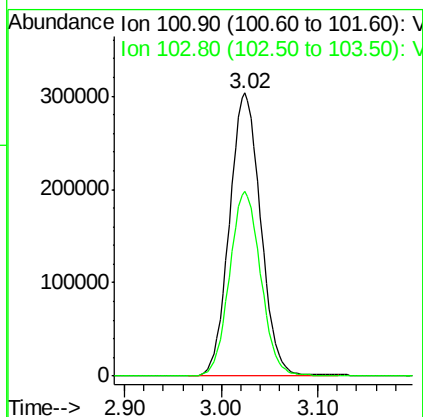
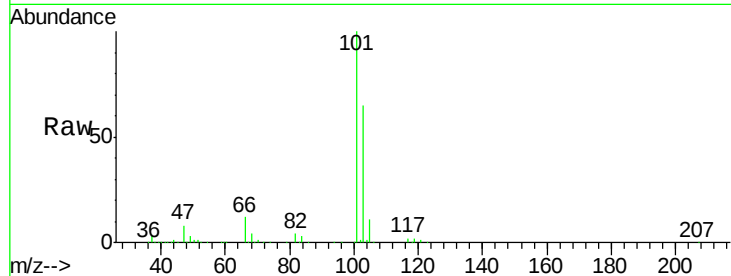
Trichlorofluoromethane
 Concen: 47.602 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.4	77.2

Manual Integrations
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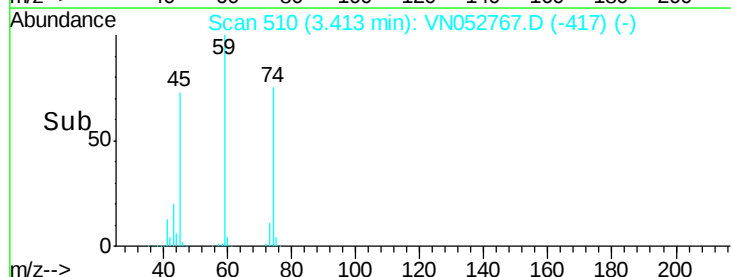
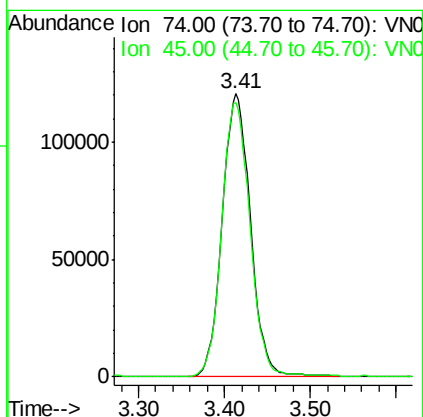
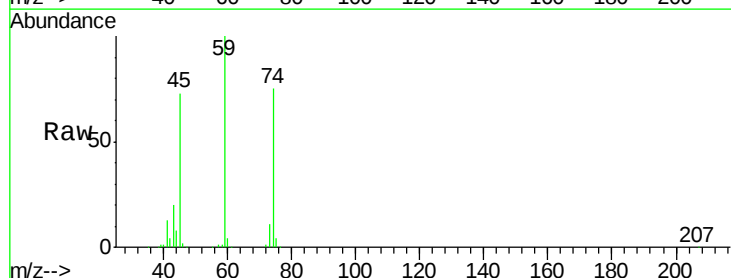
MMDadoda
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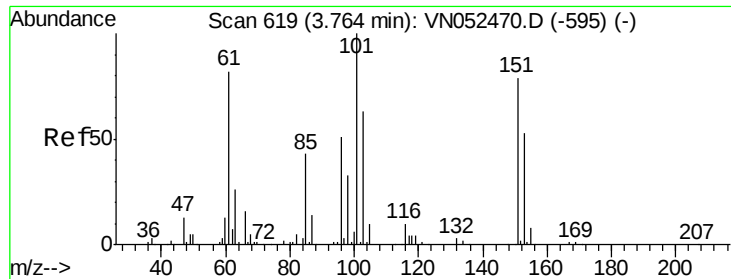


#8

Diethyl Ether
 Concen: 52.165 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.836 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

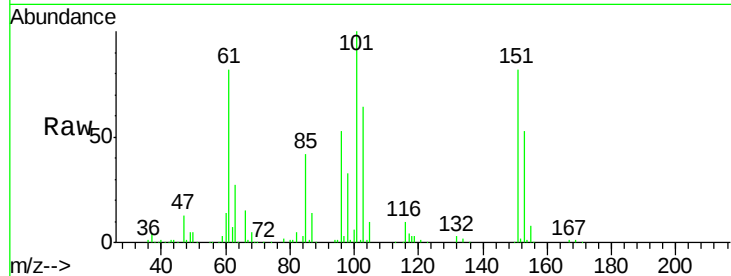
ClientSampleId :

VSTDCCC050

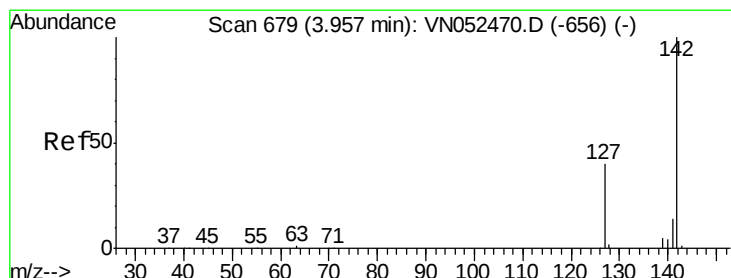
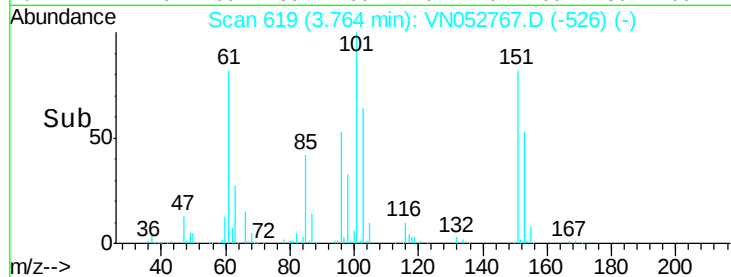
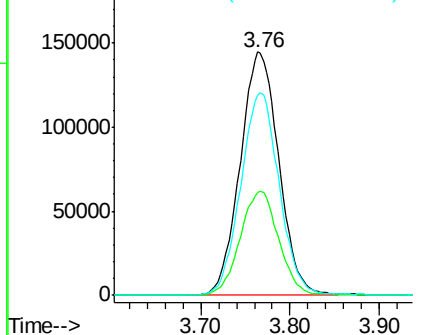
Tot Ion:	101	Resp:	436509
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	82.8	64.6	96.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.322 ug/l

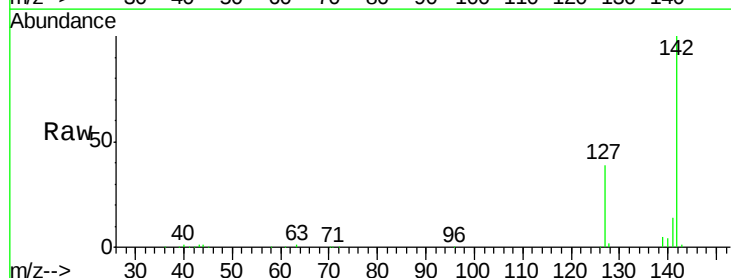
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

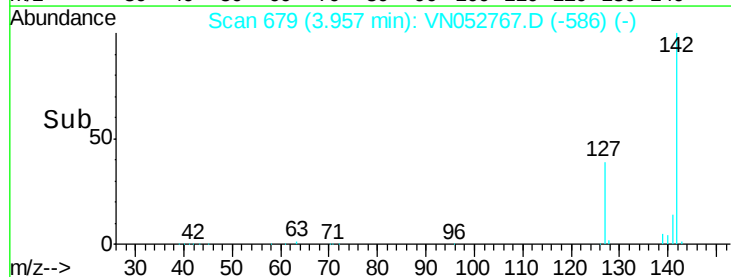
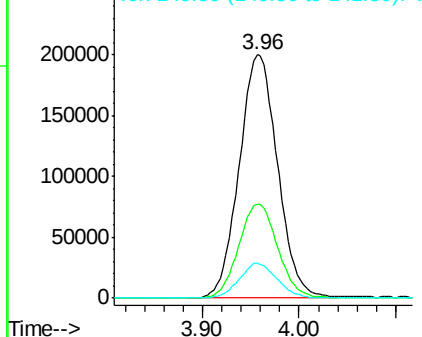
Lab File: VN052767.D

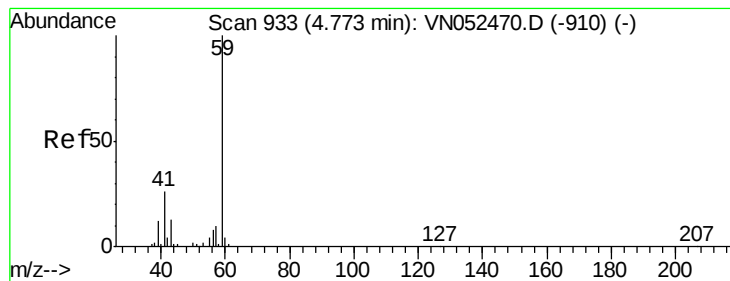
Acq: 10 Dec 2018 21:50

Tgt Ion:	142	Resp:	551455
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.8	47.6
141	14.1	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

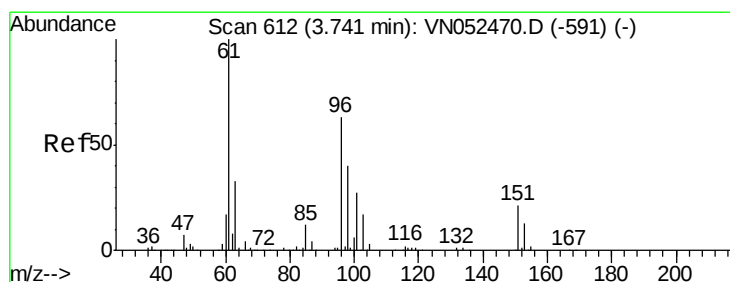
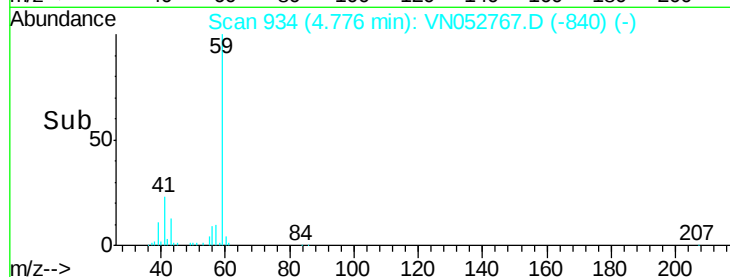
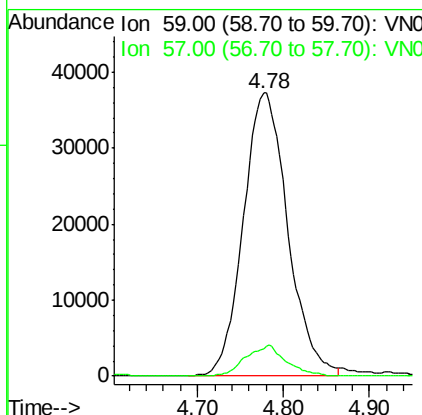
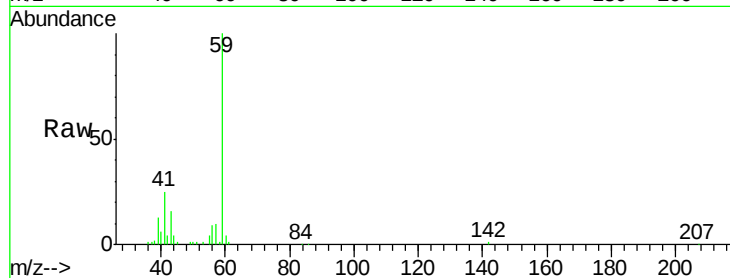
Tert butyl alcohol
Concen: 267.766 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

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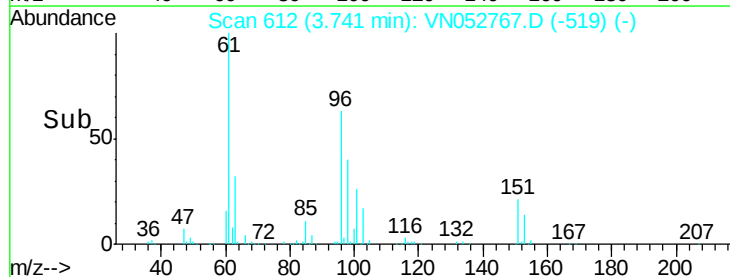
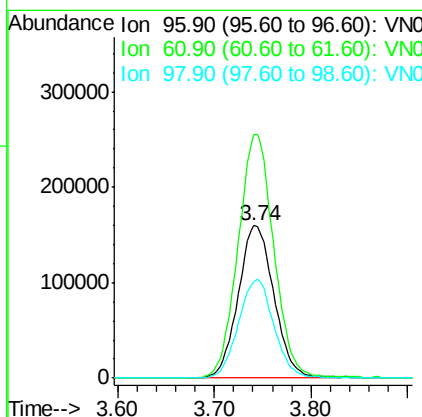
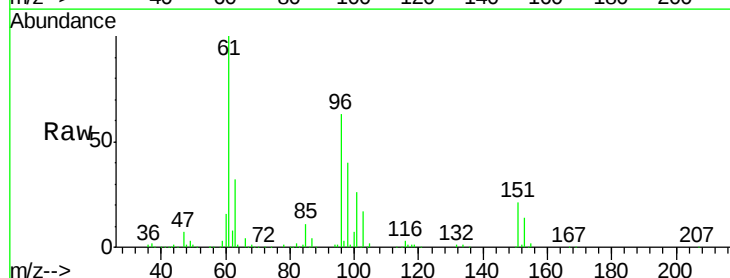
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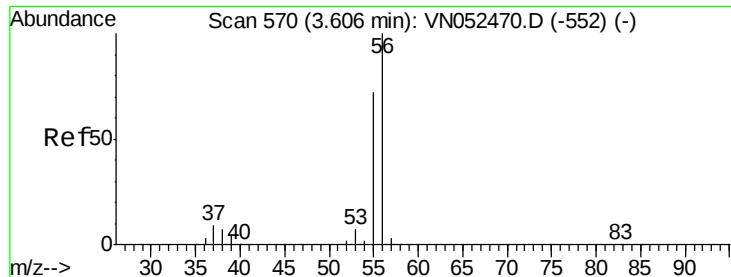


#12

1,1-Dichloroethene
Concen: 47.687 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	127.0	190.6
98	63.5	50.3	75.5





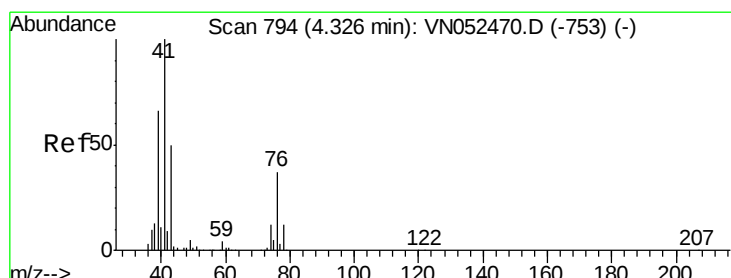
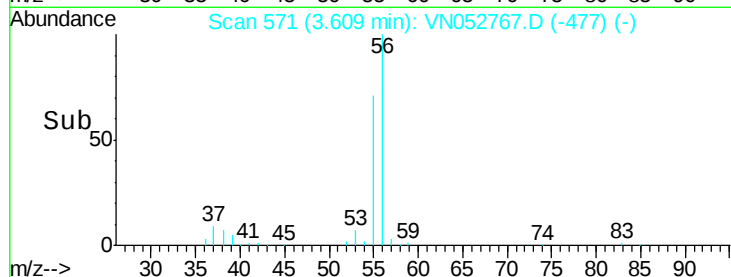
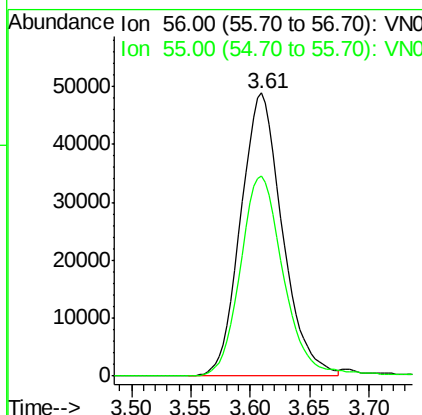
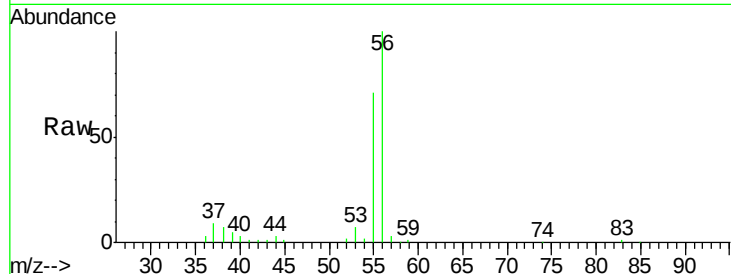
#13
Acrolein
Concen: 136.431 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
118716	100	72.8		56.8	85.2

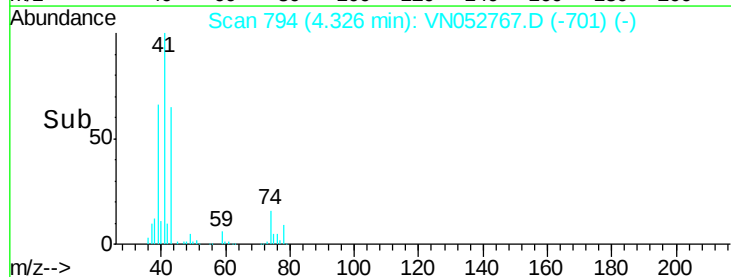
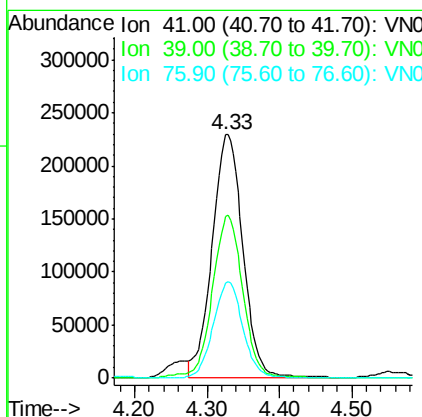
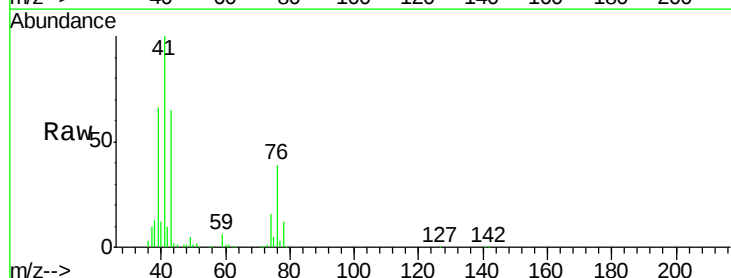
Manual Integrations
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#14
Allyl chloride
Concen: 45.424 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	41	39	76	Ratio	Lower	Upper
673574	100	67.0	37.6		50.6	76.0





#15

Acrylonitrile

Concen: 268.647 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

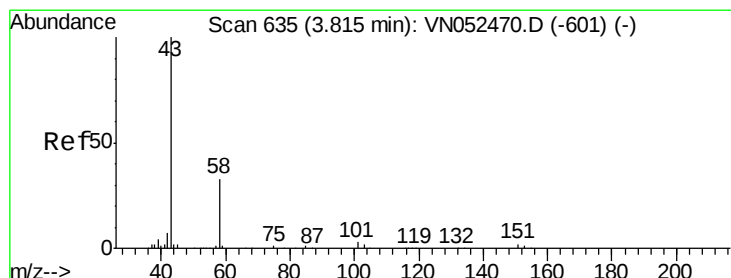
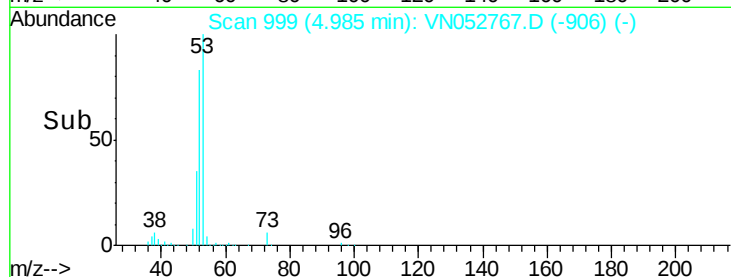
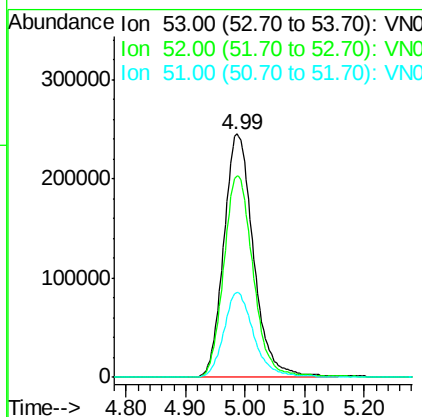
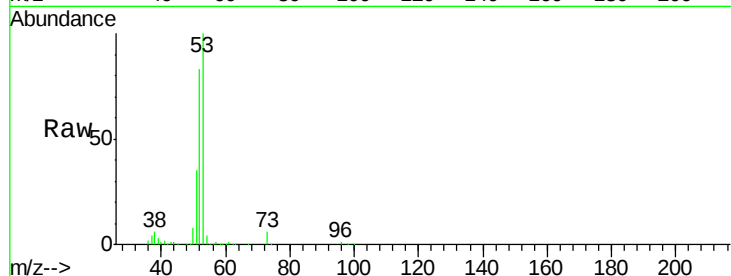
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	851409
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.2	99.2
51	35.2	28.1	42.1

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#16

Acetone

Concen: 209.502 ug/l

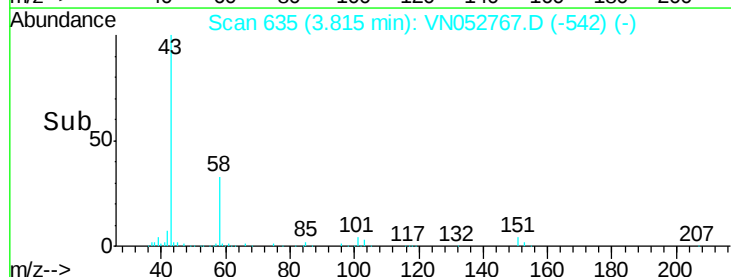
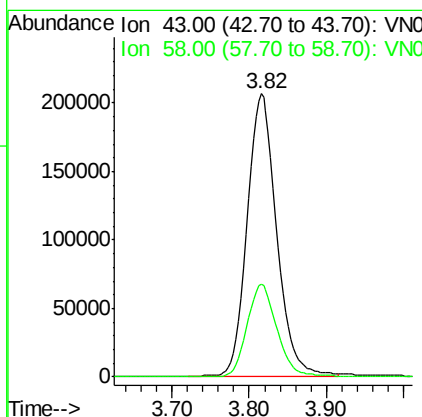
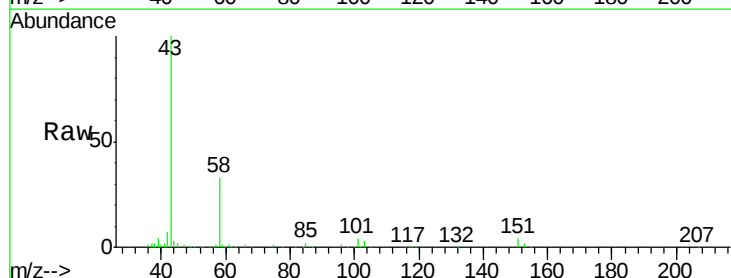
RT: 3.82 min Scan# 635

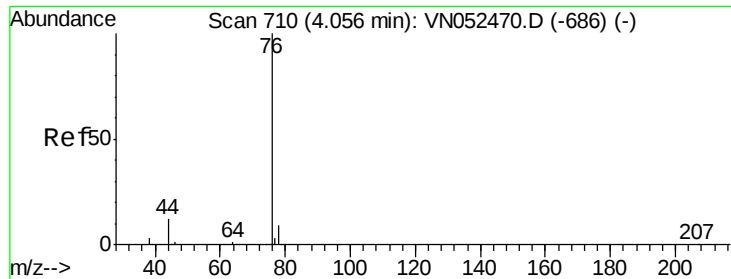
Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Tgt Ion:	43	Resp:	552619
Ion Ratio	Lower	Upper	
43	100		
58	32.9	26.0	39.0





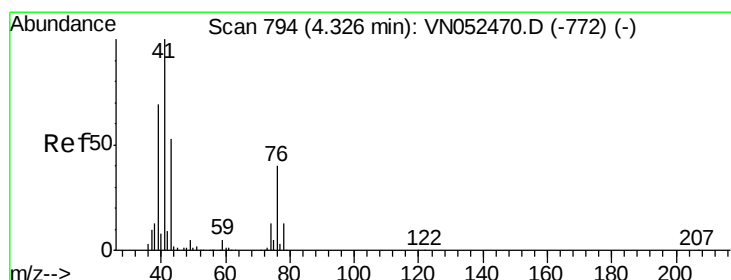
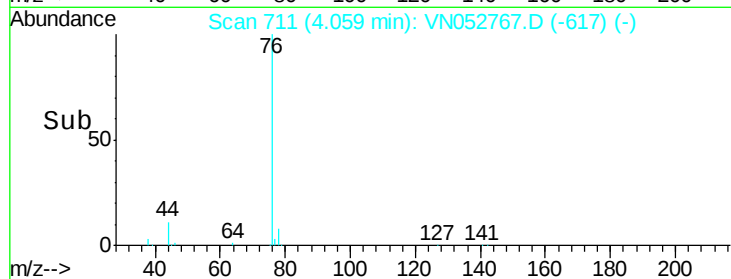
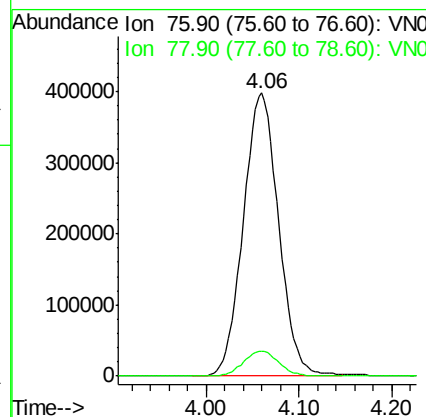
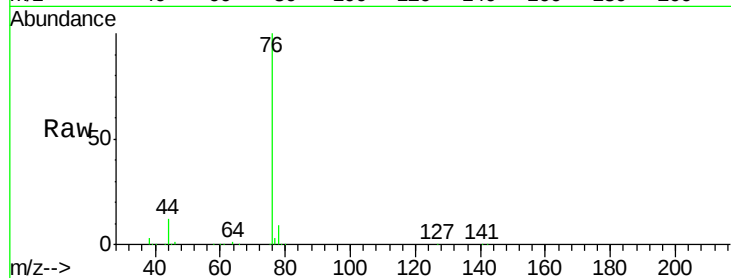
#17
Carbon Disulfide
Concen: 38.845 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1051754
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

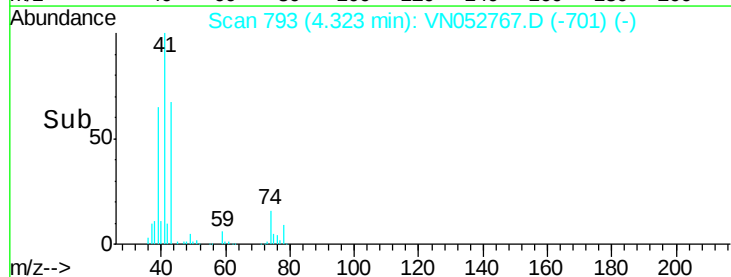
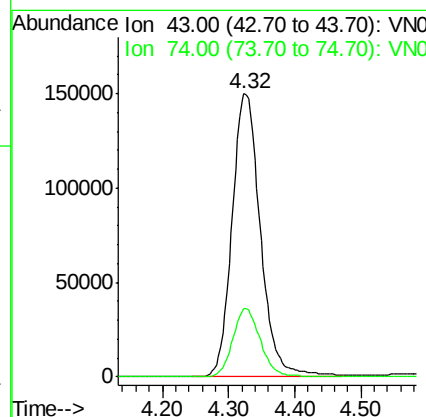
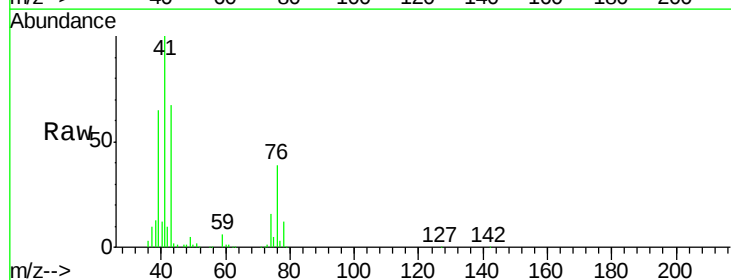
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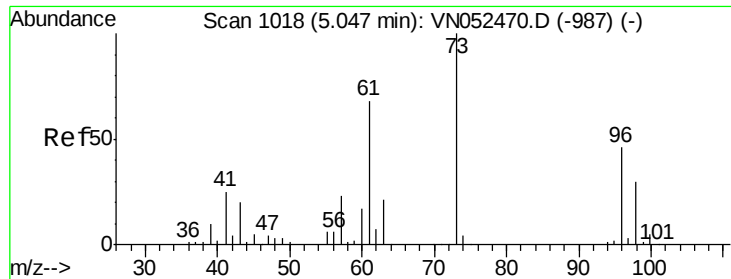
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#18
Methyl Acetate
Concen: 58.544 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion: 43 Resp: 442962
Ion Ratio Lower Upper
43 100
74 23.6 18.6 27.8





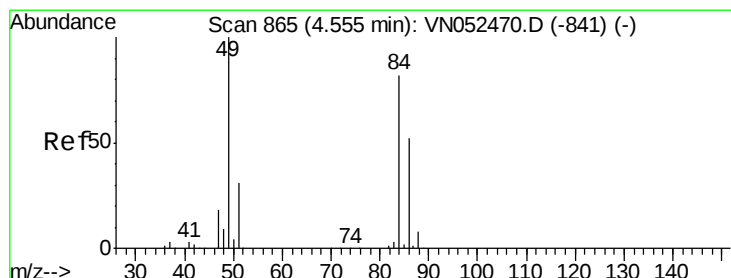
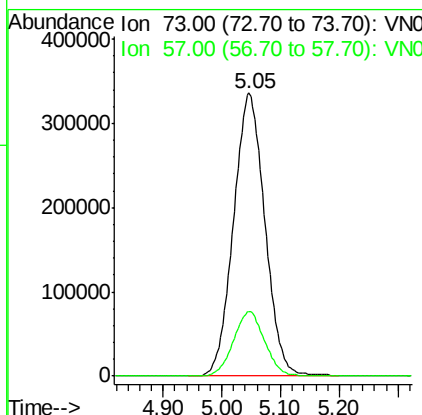
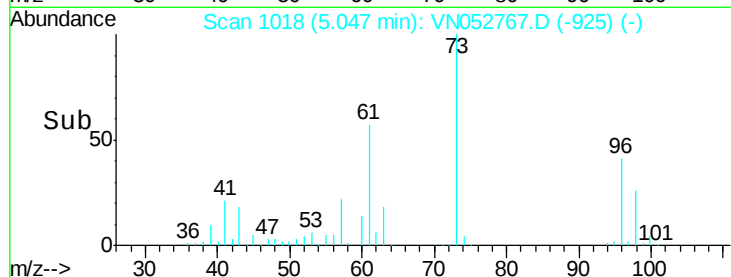
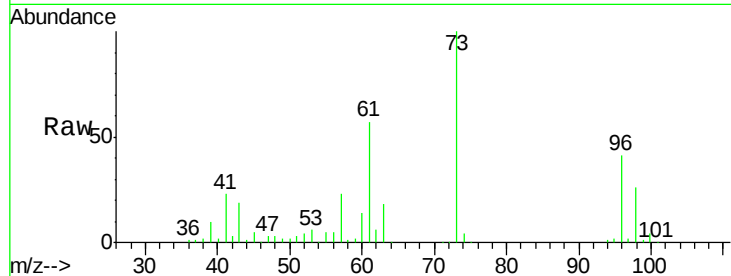
#19
Methvl tert-butvl Ether
Concen: 54.526 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1248191
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.2

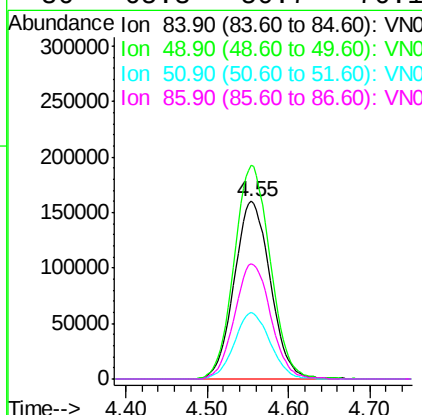
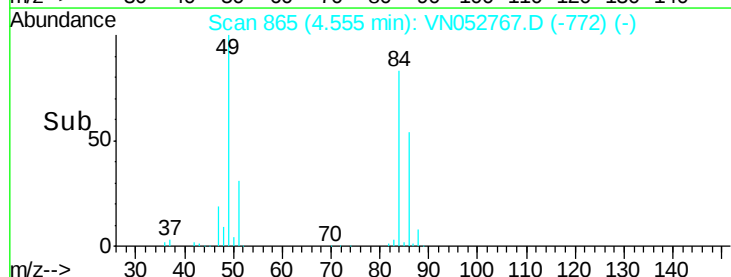
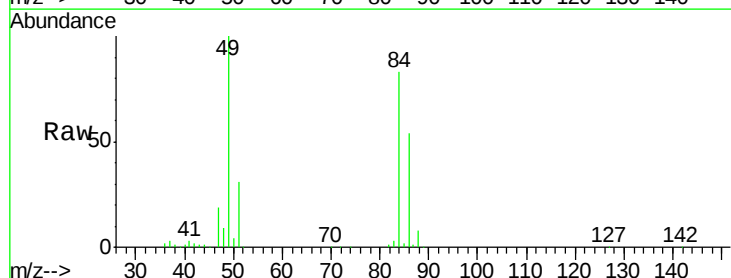
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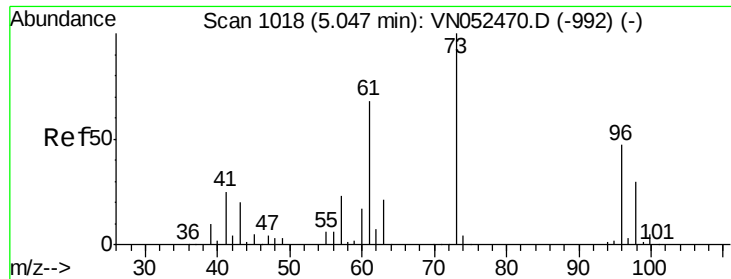
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#20
Methylene Chloride
Concen: 47.703 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion: 84 Resp: 492406
Ion Ratio Lower Upper
84 100
49 120.3 98.0 147.0
51 37.4 30.1 45.1
86 65.3 50.7 76.1





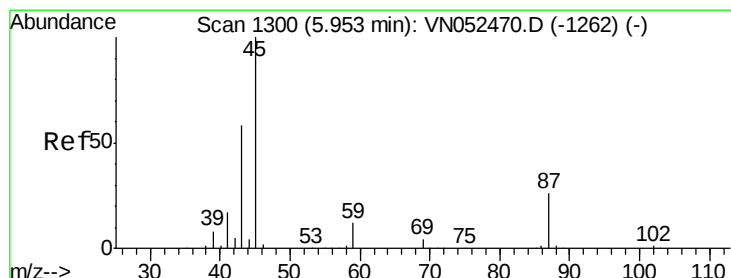
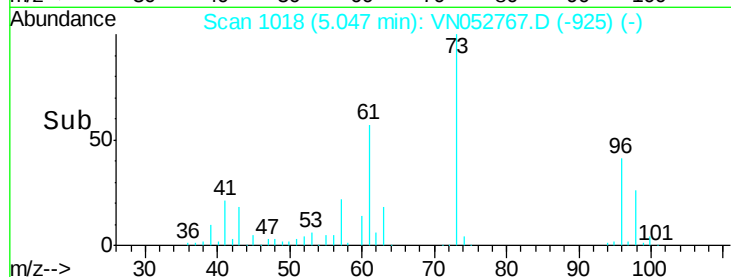
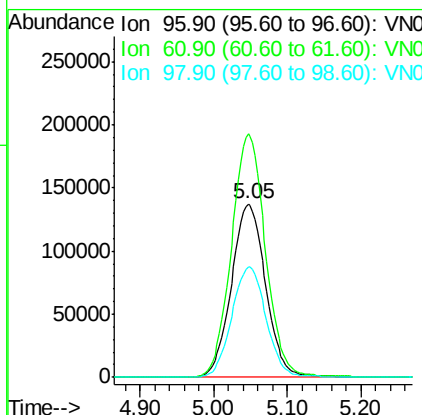
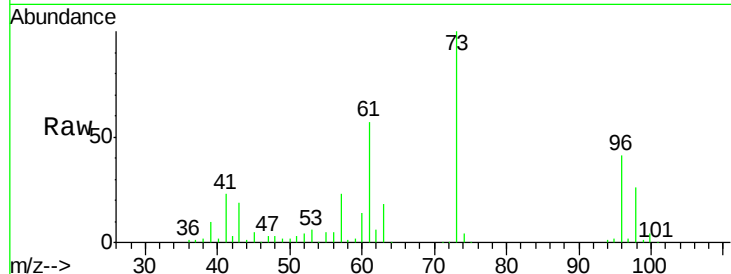
#21
trans-1,2-Dichloroethene
Concen: 48.293 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	117.0	175.4
98	63.4	51.8	77.6

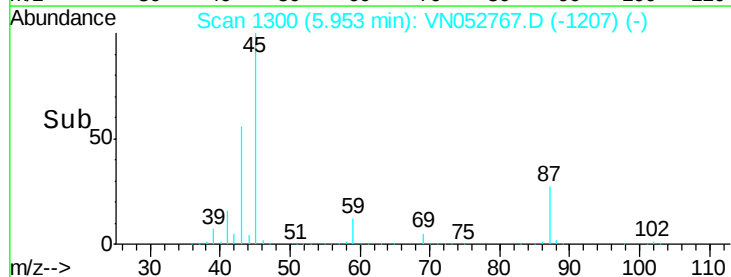
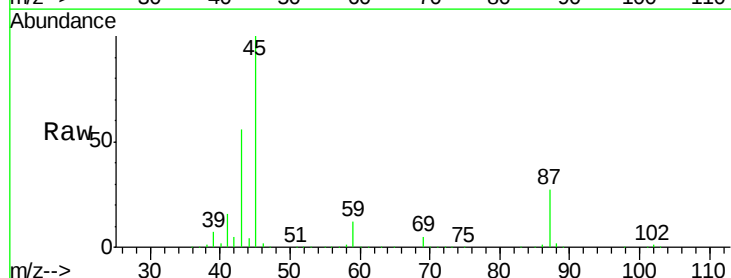
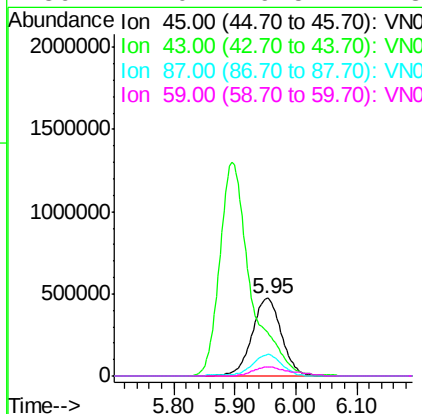
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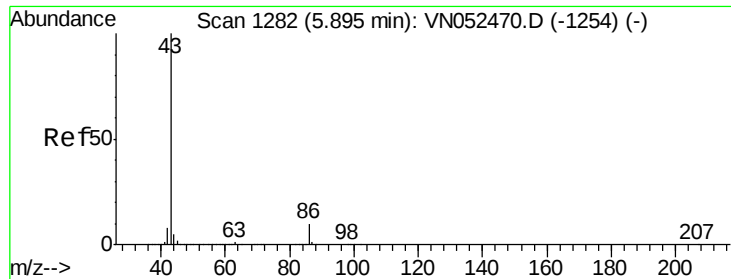
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#22
Diisopropyl ether
Concen: 50.904 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.0	46.1	69.1
87	27.3	21.3	31.9
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 235.931 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4577228

Ion Ratio Lower Upper

43 100

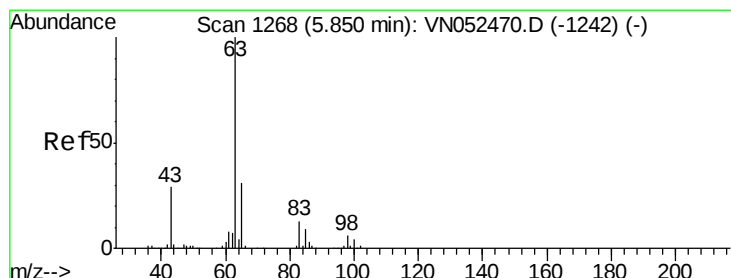
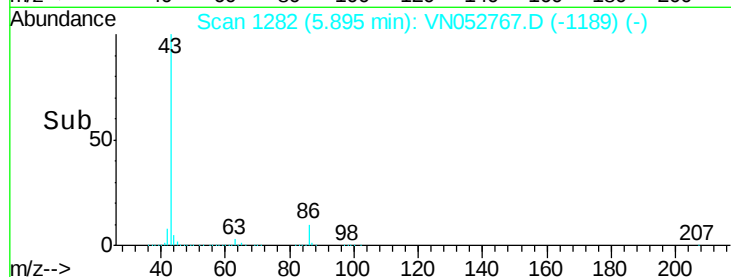
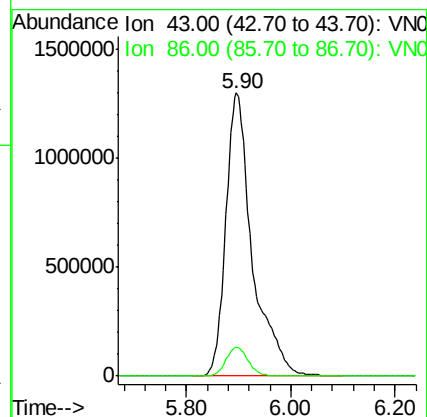
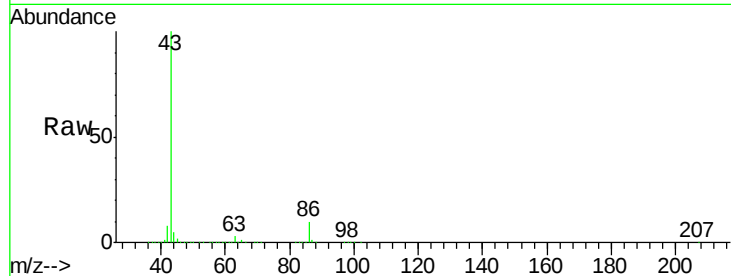
86 10.1 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 50.366 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

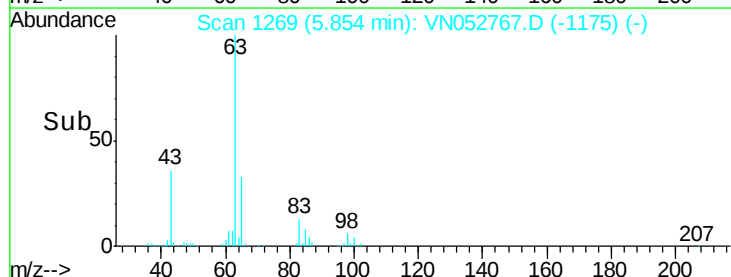
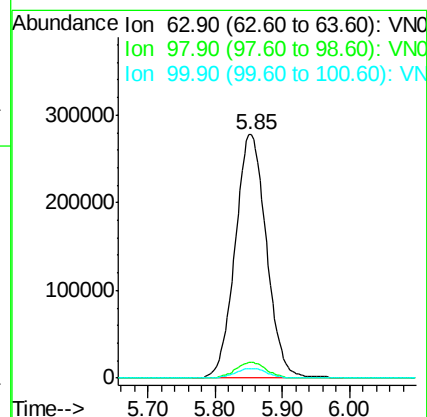
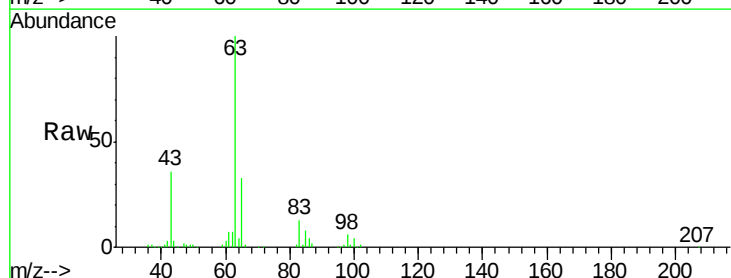
Tgt Ion: 63 Resp: 895731

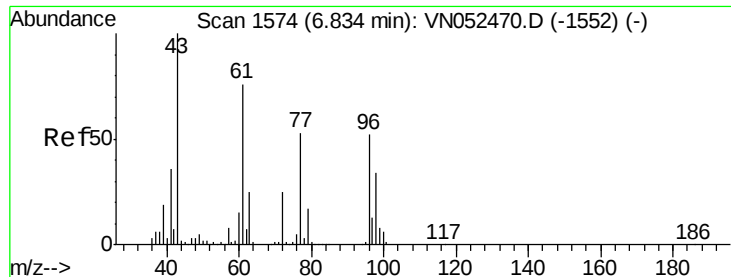
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 251.157 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 939017

Ion Ratio Lower Upper

43 100

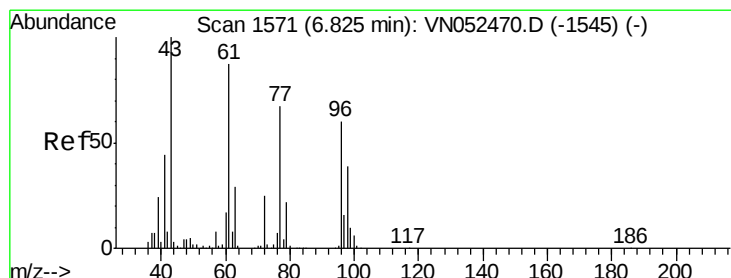
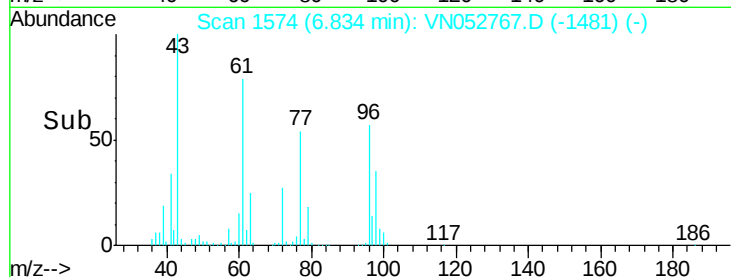
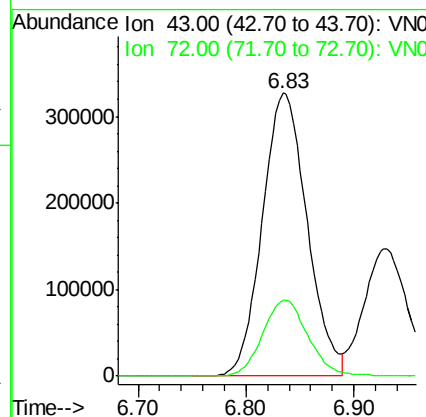
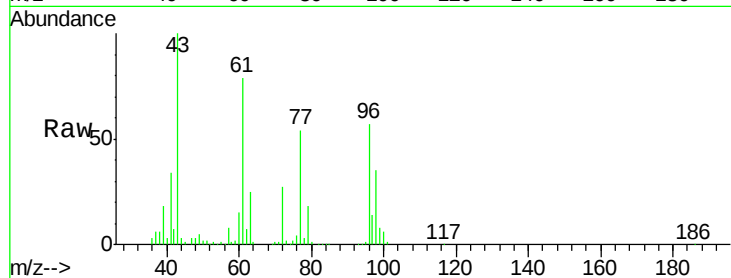
72 26.8 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.399 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052767.D

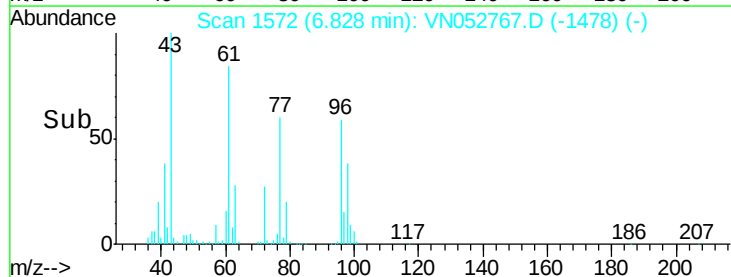
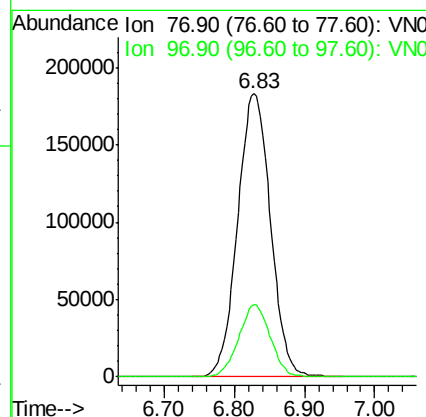
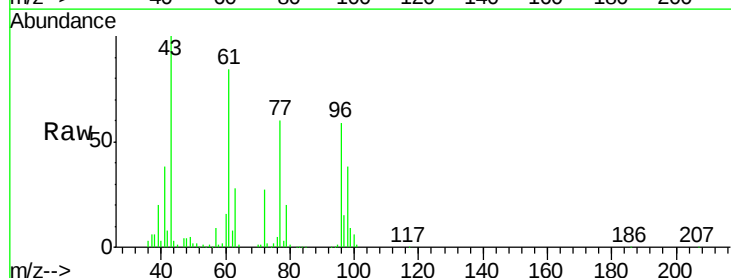
Acq: 10 Dec 2018 21:50

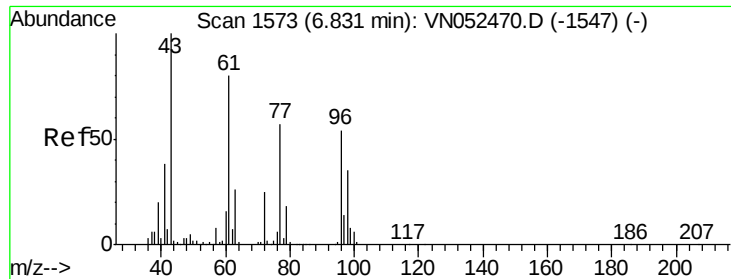
Tgt Ion: 77 Resp: 595783

Ion Ratio Lower Upper

77 100

97 24.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 50.795 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

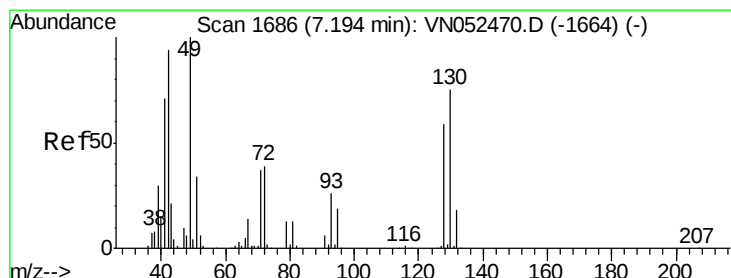
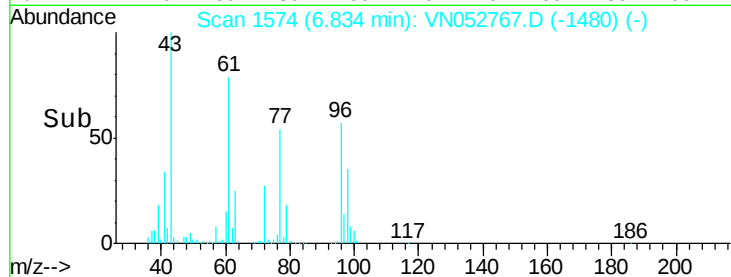
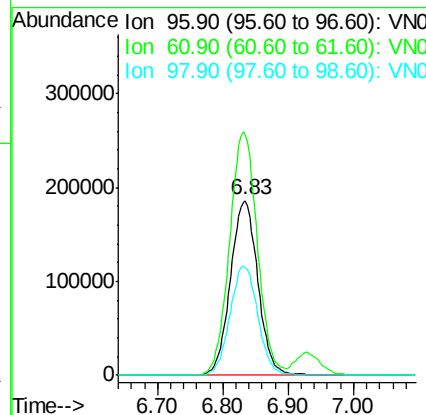
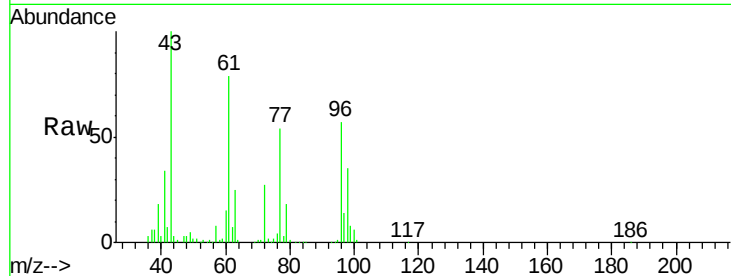
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	543709
Ion Ratio	Lower	Upper	
96	100		
61	140.7	0.0	291.0
98	63.6	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 51.438 ug/l

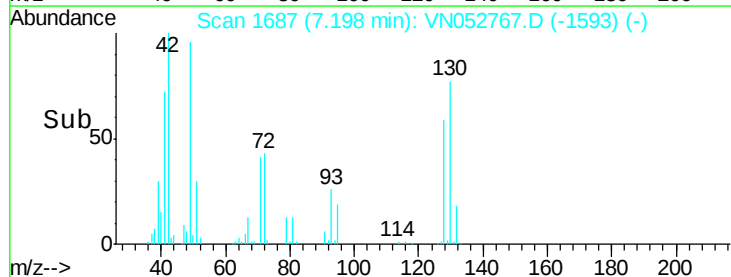
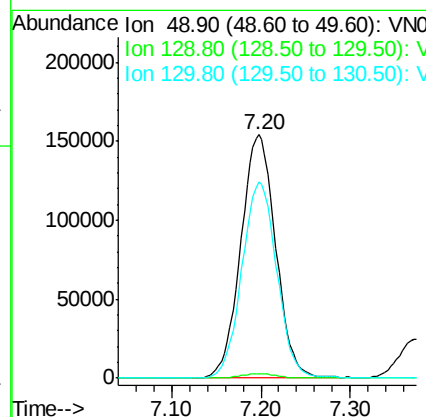
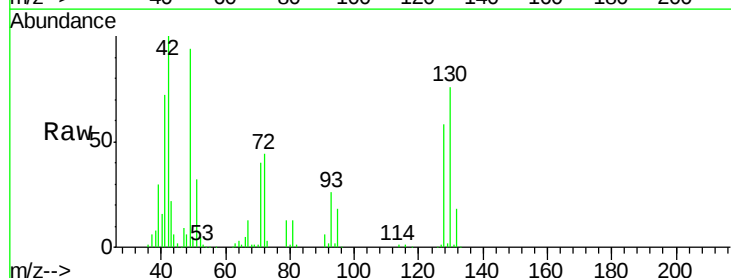
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Tgt Ion:	49	Resp:	417834
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	80.9	60.2	90.2





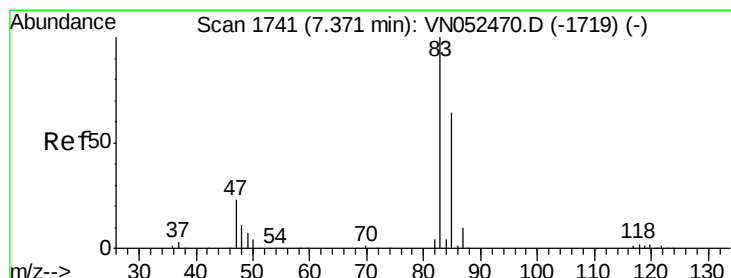
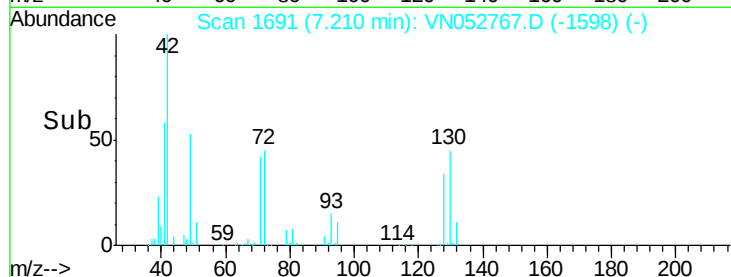
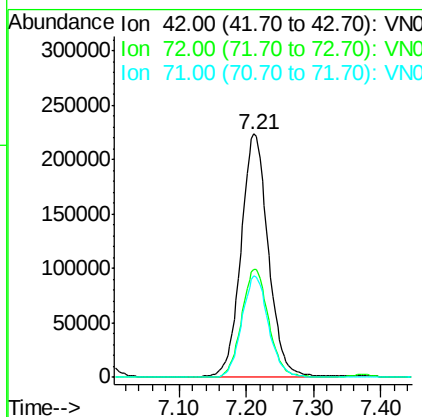
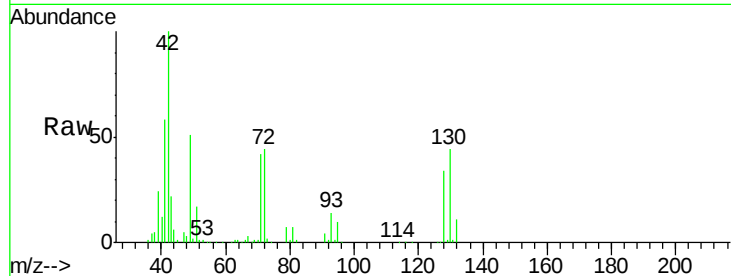
#29
Tetrahydrofuran
Concen: 261.171 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.3	49.9
71	40.6	32.0	48.0

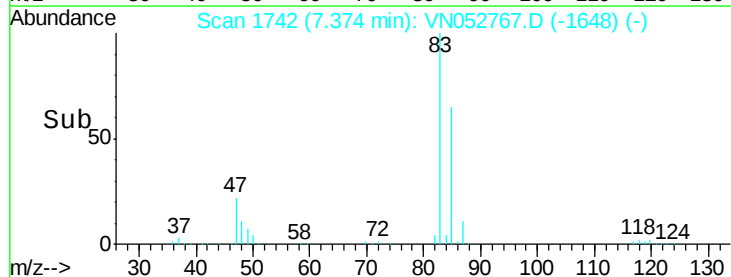
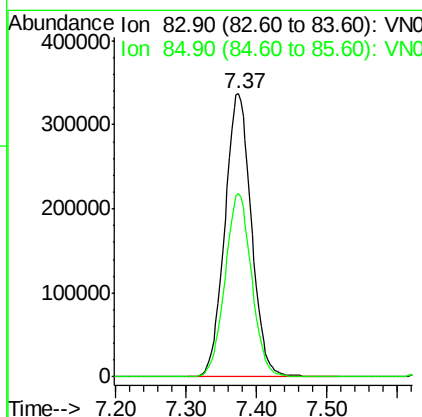
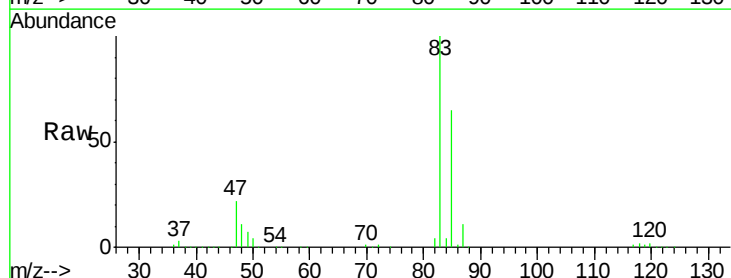
Manual Integrations
APPROVED

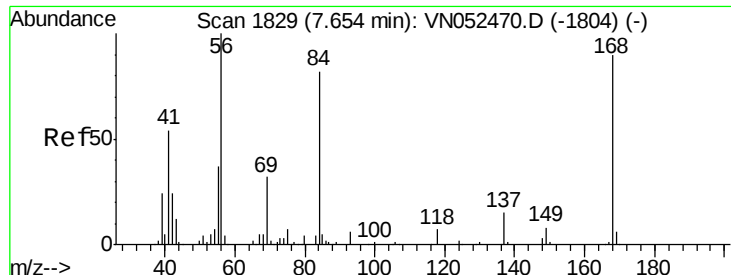
MMDadoda
12/11/2018 12:46:52 PM



#30
Chloroform
Concen: 50.037 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.0	76.4





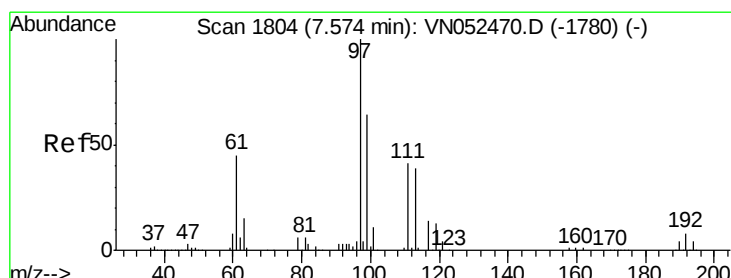
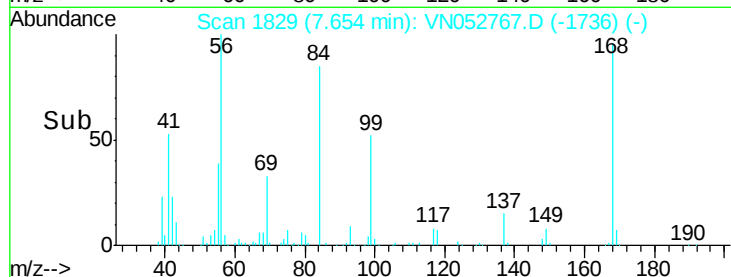
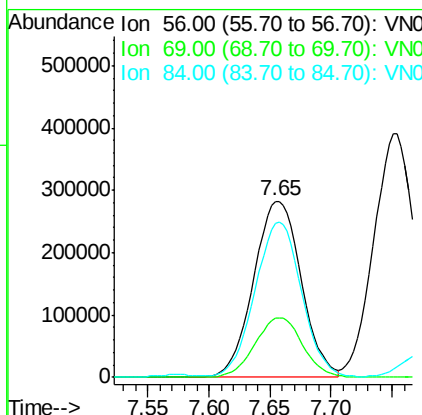
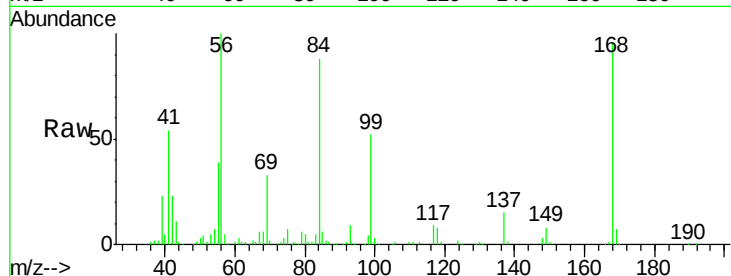
#31
Cyclohexane
Concen: 44.429 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	25.8	38.6
84	86.3	65.3	97.9

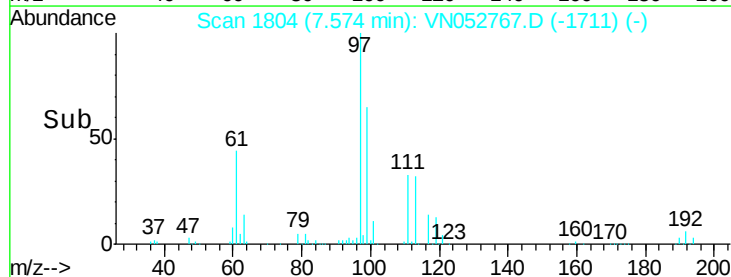
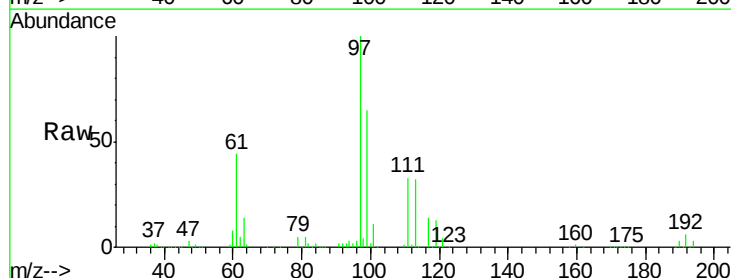
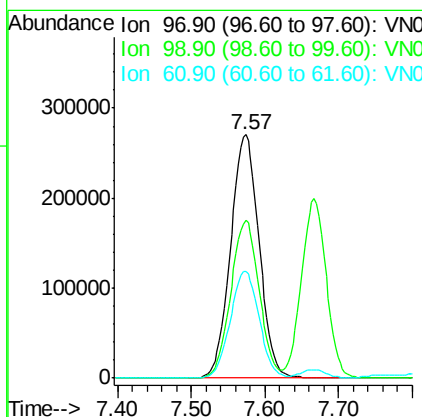
Manual Integrations
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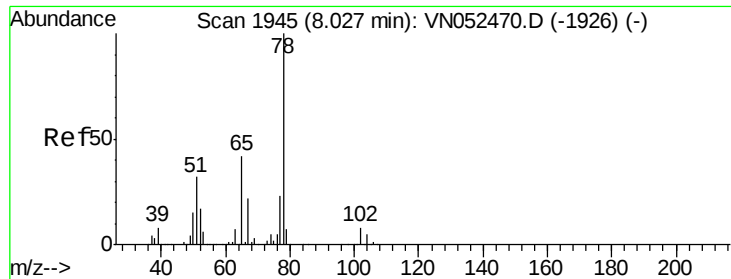
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.766 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	44.4	36.8	55.2





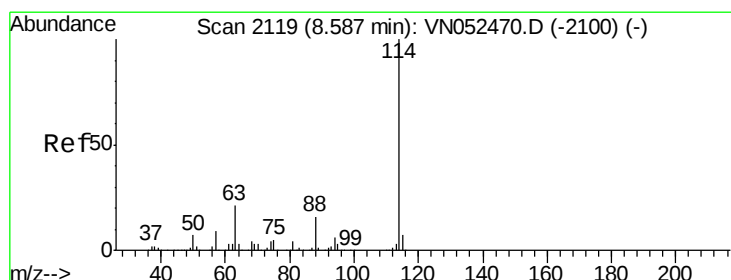
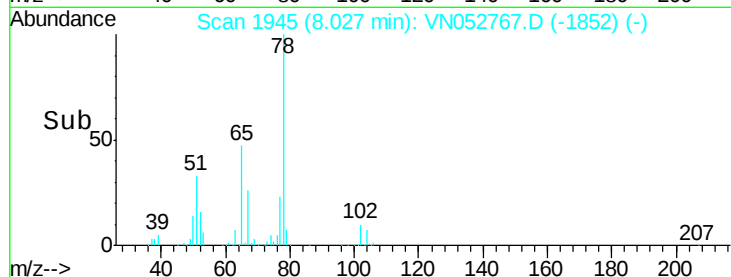
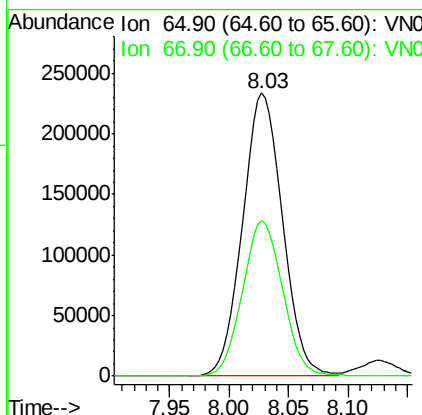
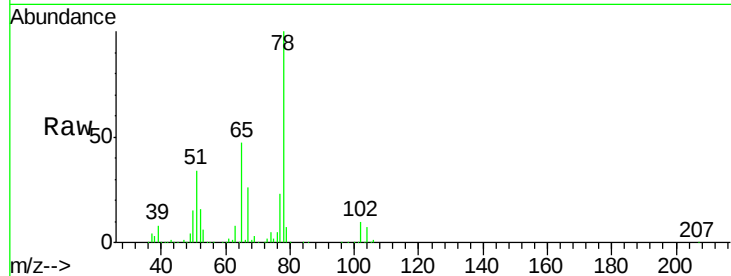
#33
 1,2-Dichloroethane-d4
 Concen: 51.766 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	544584		
67	55.2	0.0	109.8	

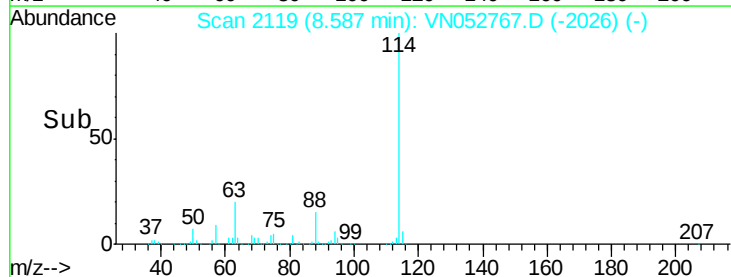
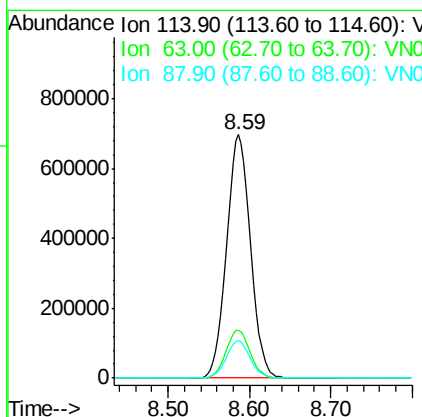
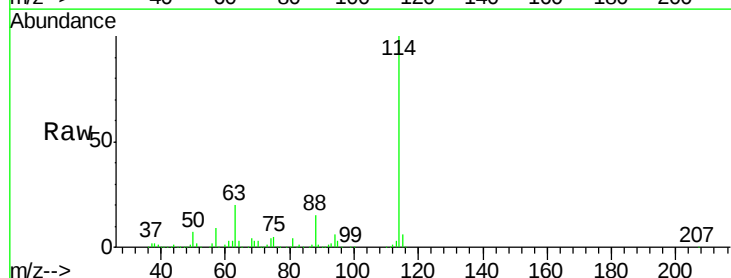
Manual Integrations
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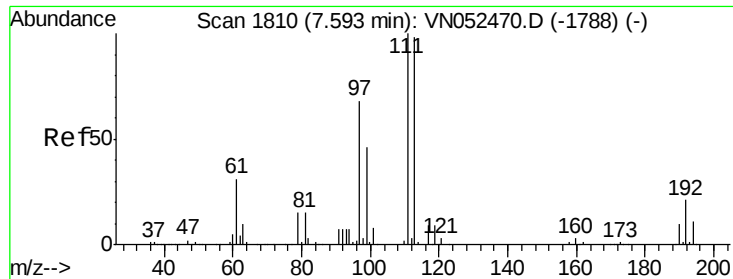
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1441223		
63	19.9	0.0	41.8	
88	15.3	0.0	31.6	





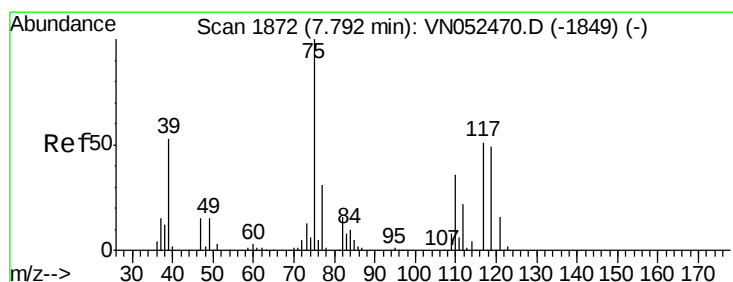
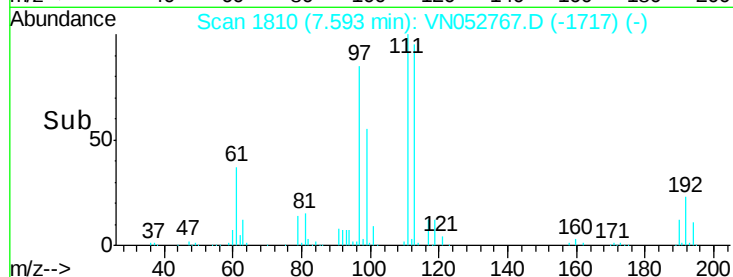
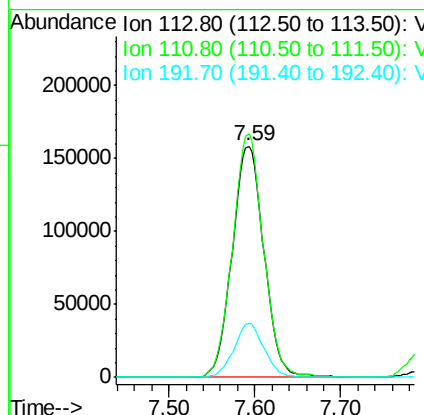
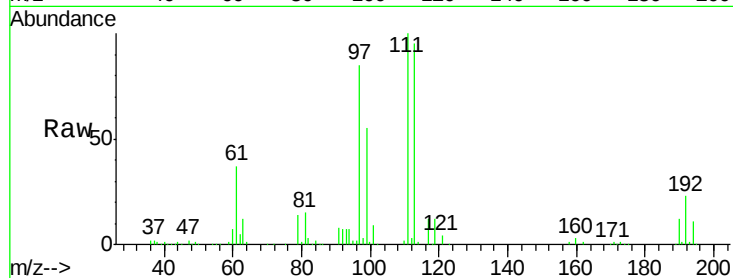
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	405957		
111	103.0	82.0	123.0	
192	22.4	17.0	25.6	

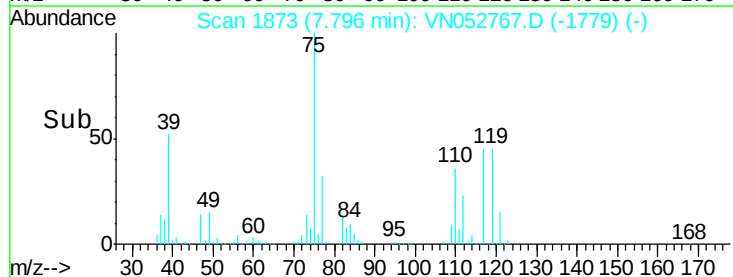
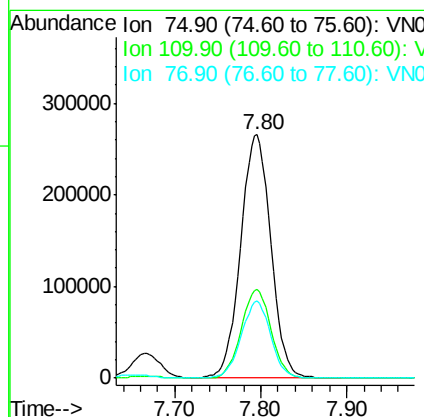
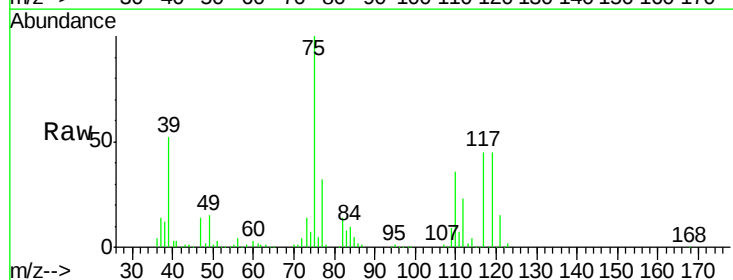
Manual Integrations
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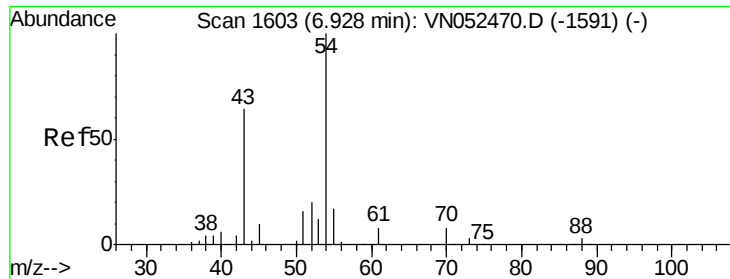
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#36
1,1-Dichloropropene
Concen: 47.533 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	646916		
110	36.0	17.5	52.6	
77	31.2	24.5	36.7	





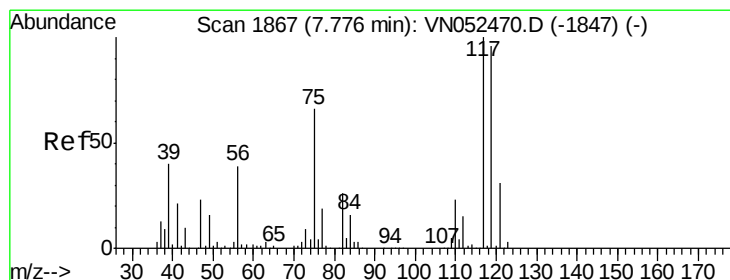
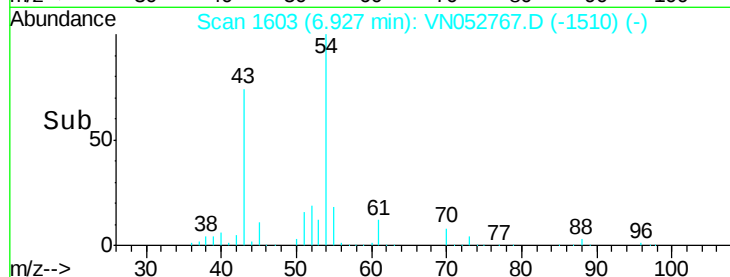
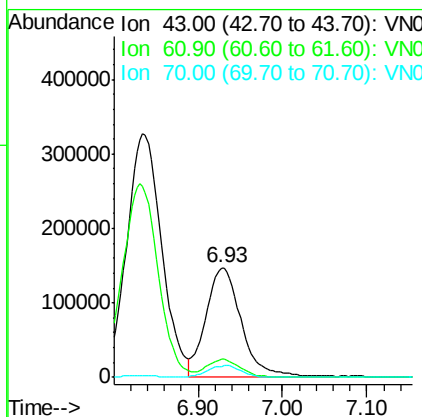
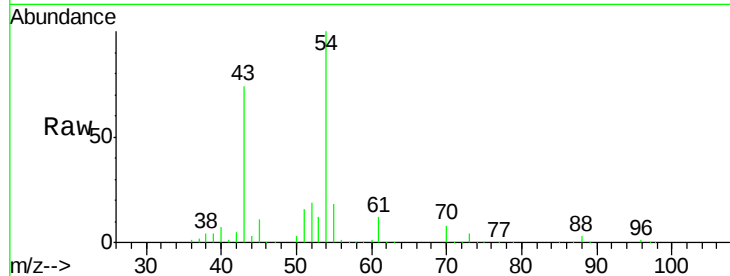
#37
Ethyl Acetate
Concen: 50.801 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.8
70	10.5	7.8	11.8

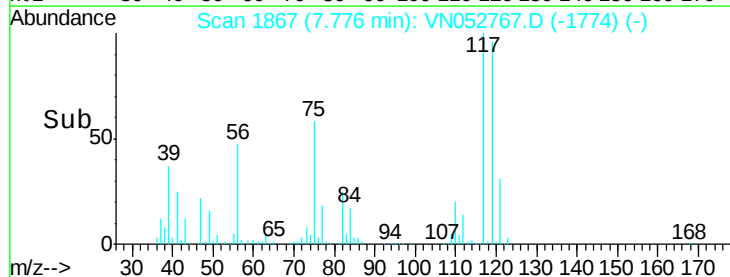
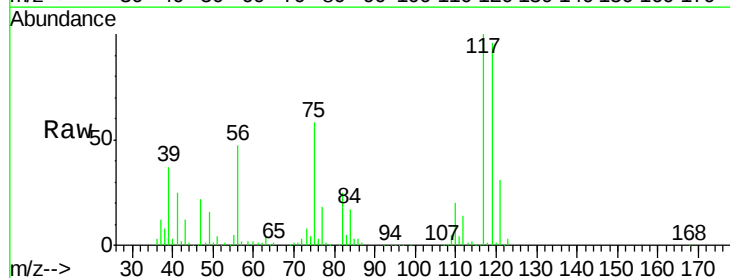
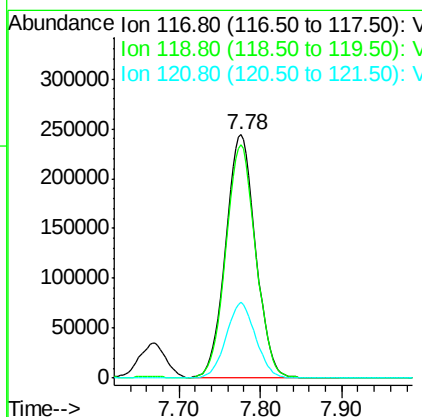
Manual Integrations
APPROVED

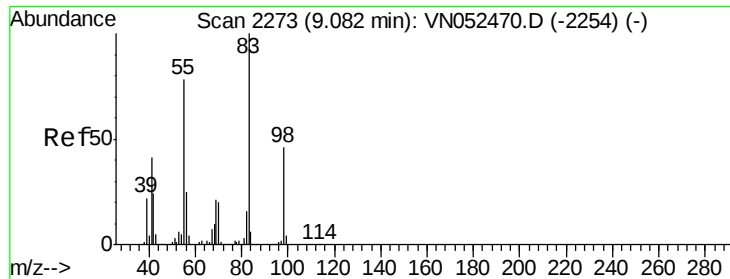
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#38
Carbon Tetrachloride
Concen: 50.852 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	31.0	24.9	37.3





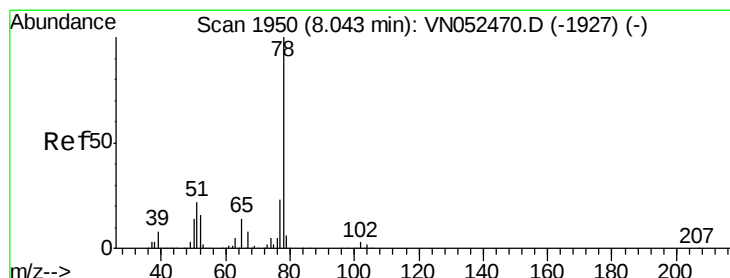
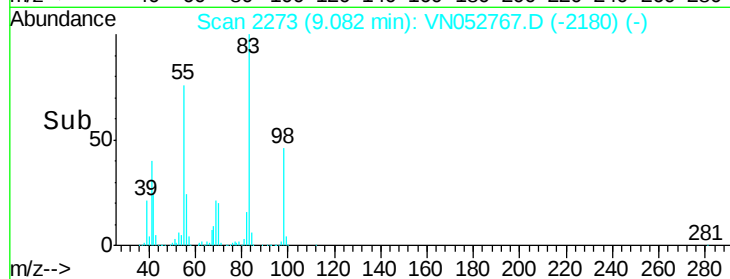
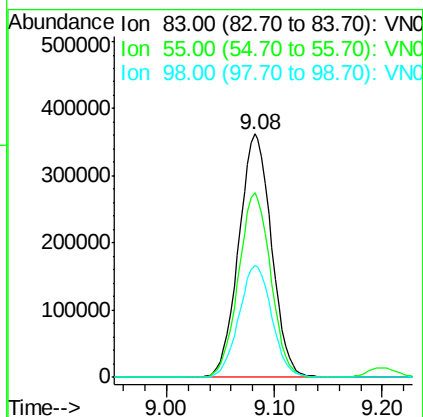
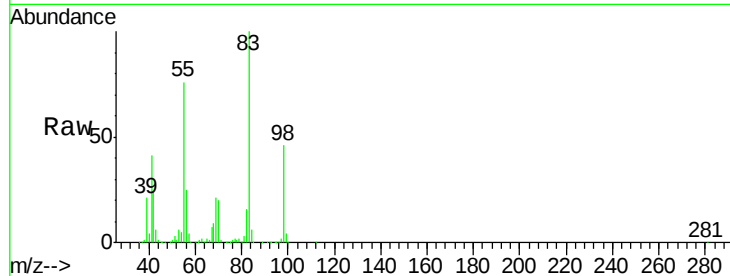
#39
Methvlcvclohexane
Concen: 46.190 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	62.2	93.2
98	46.0	36.4	54.6

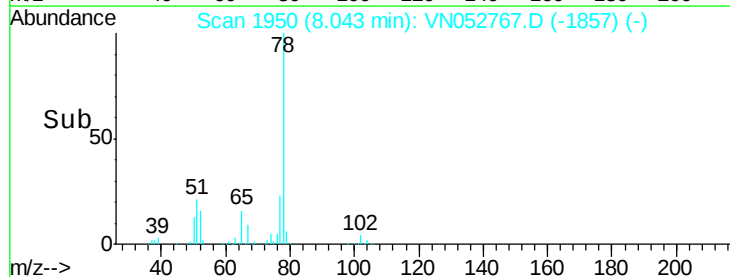
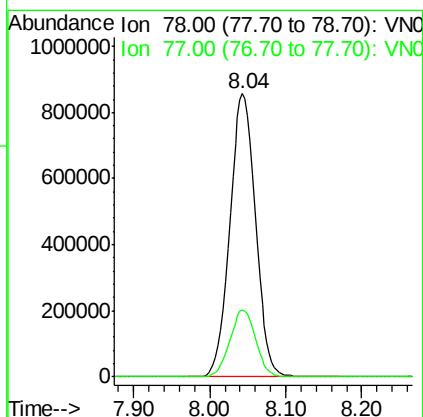
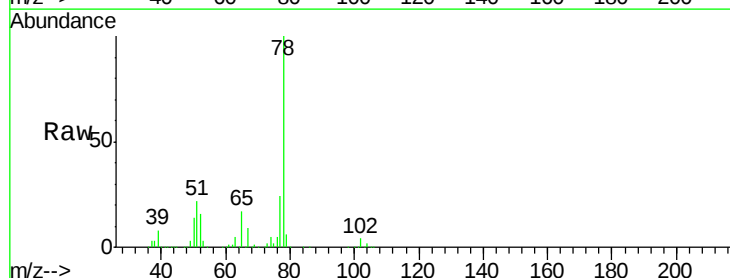
Manual Integrations
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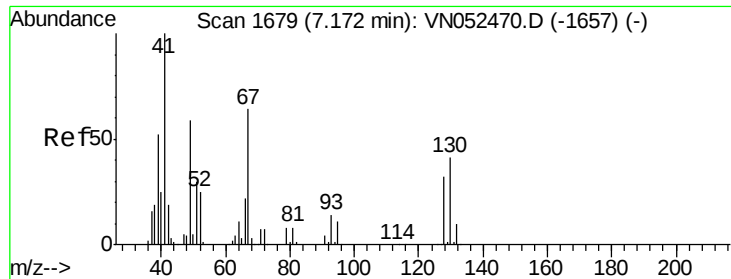
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#40
Benzene
Concen: 49.575 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





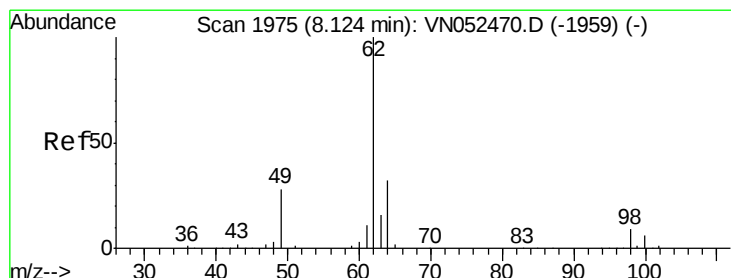
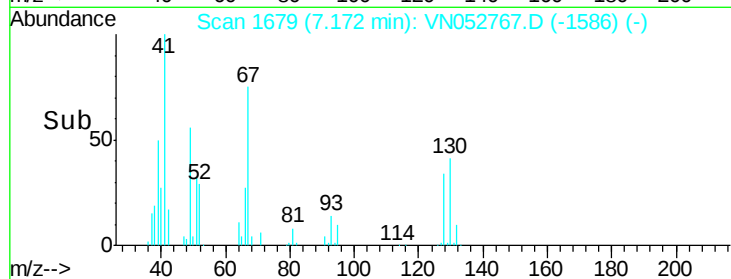
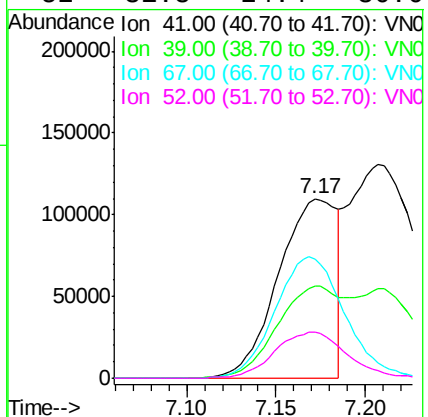
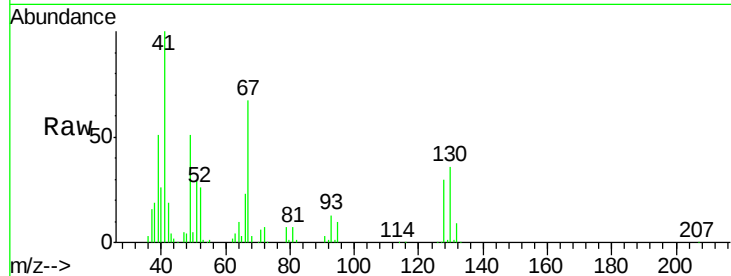
#41
Methacrylonitrile
Concen: 54.372 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		246901		
39	55.3	50.9	76.3		
67	82.5	63.6	95.4		
52	31.8	24.4	36.6		

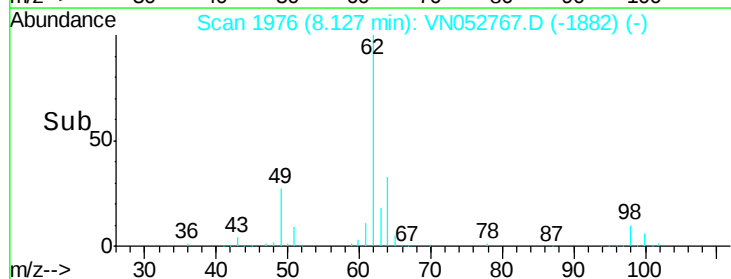
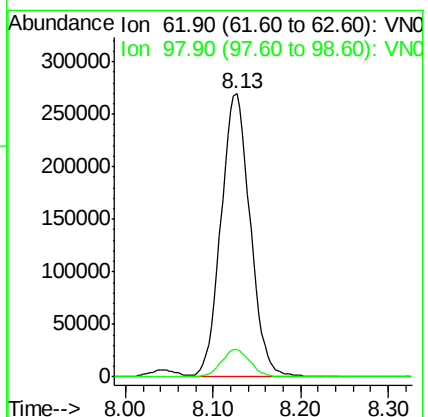
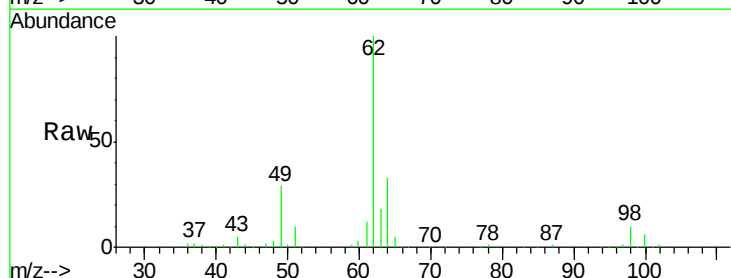
Manual Integrations
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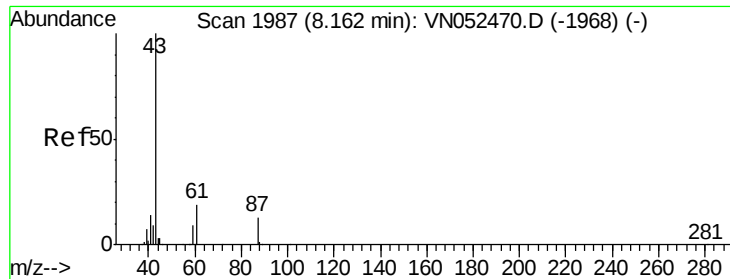
MMDadoda
12/11/2018 12:46:52 PM



#42
1,2-Dichloroethane
Concen: 50.790 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		623758		
98	9.7	0.0	18.6		





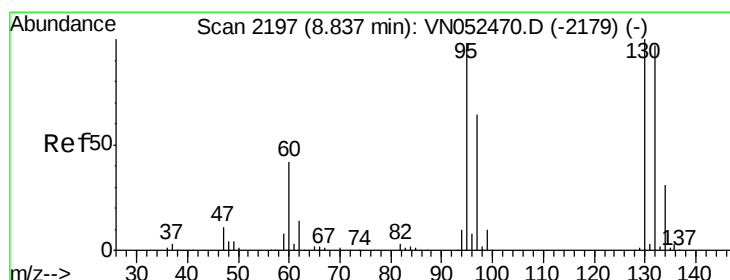
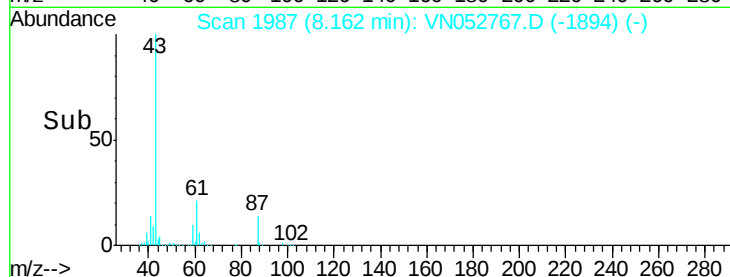
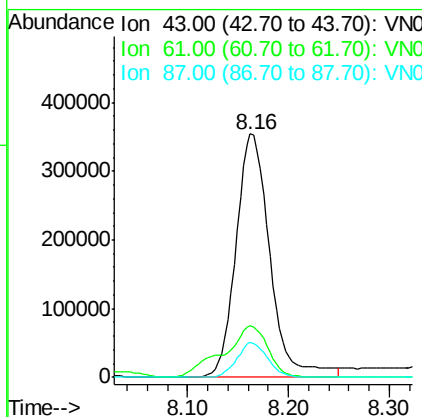
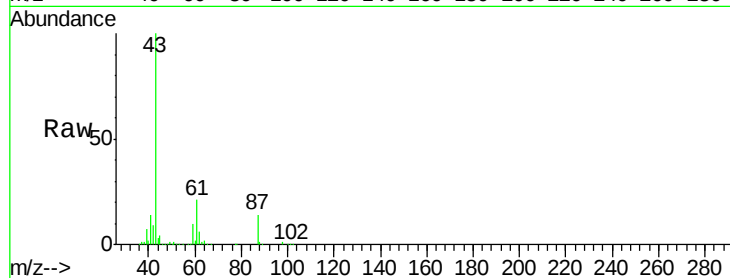
#43
Isopropyl Acetate
Concen: 58.618 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	24.1	36.1
87	13.1	10.6	15.8

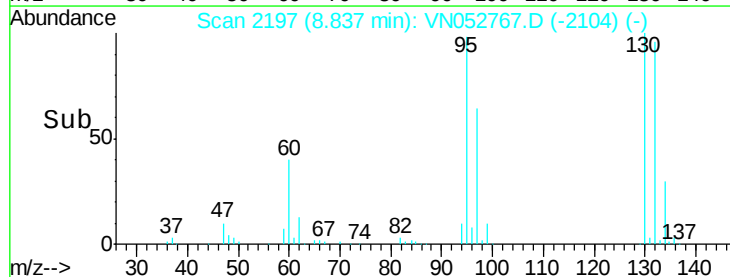
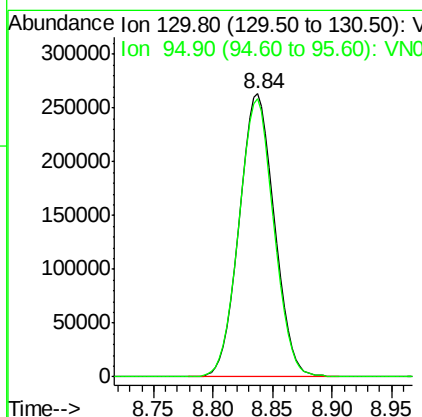
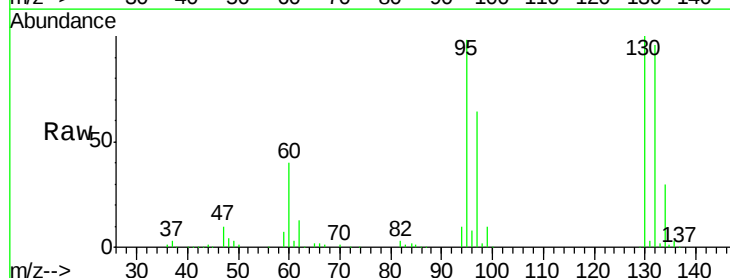
Manual Integrations
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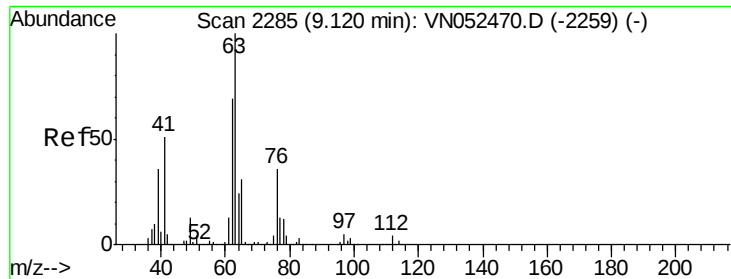
MMDadoda
12/11/2018 12:46:52 PM



#44
Trichloroethene
Concen: 51.901 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	195.6





#45

1,2-Dichloropropane

Concen: 51.224 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 552370

Ion Ratio Lower Upper

63 100

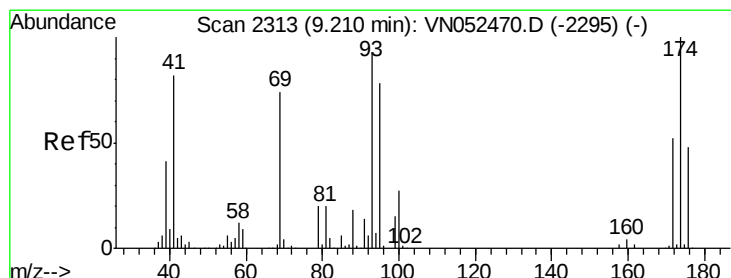
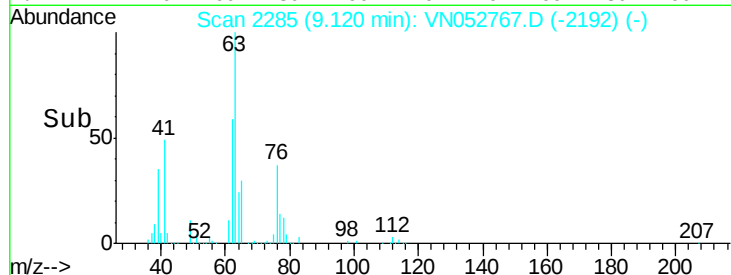
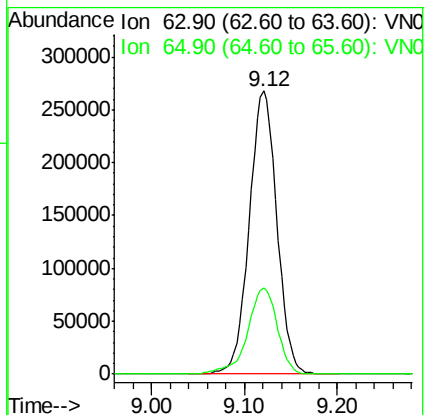
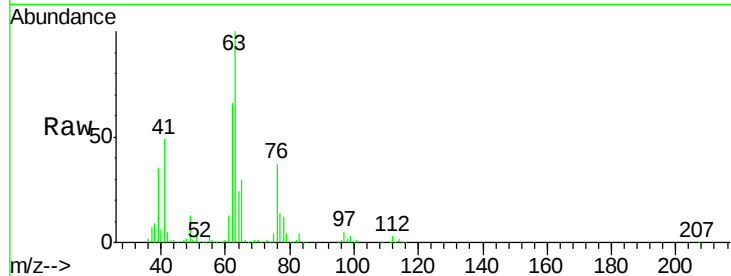
65 30.3 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 53.244 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

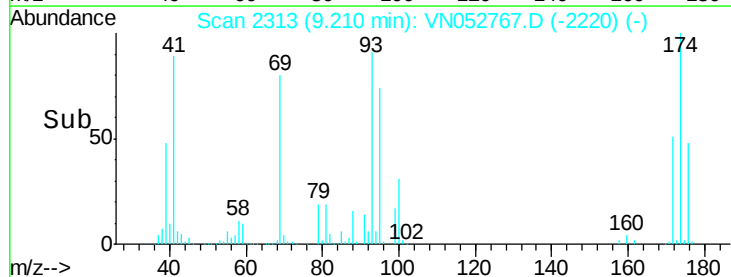
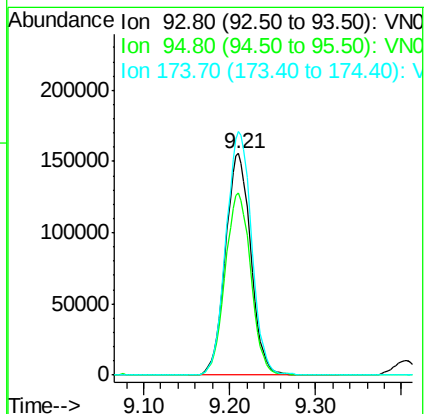
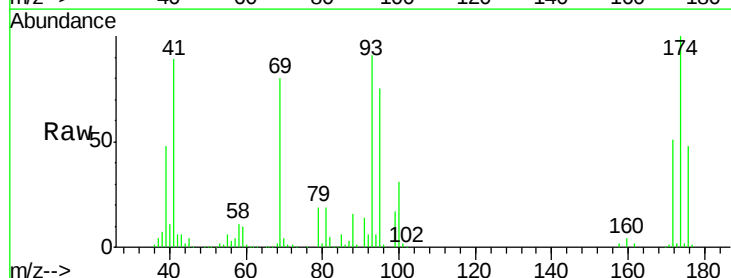
Tgt Ion: 93 Resp: 317843

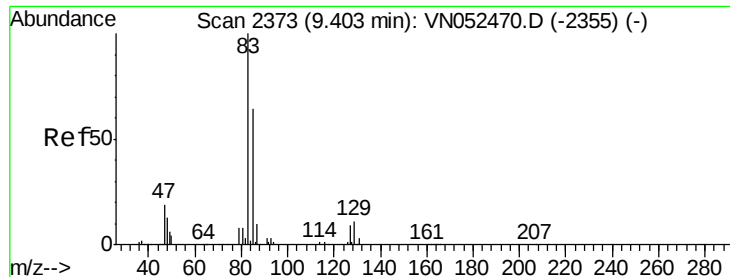
Ion Ratio Lower Upper

93 100

95 83.4 67.1 100.7

174 111.0 85.8 128.8





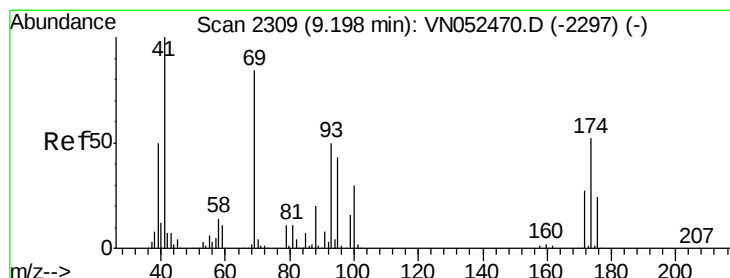
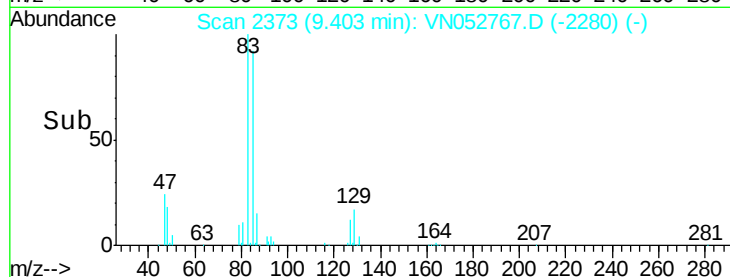
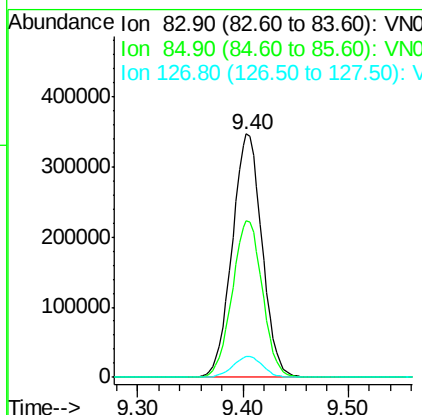
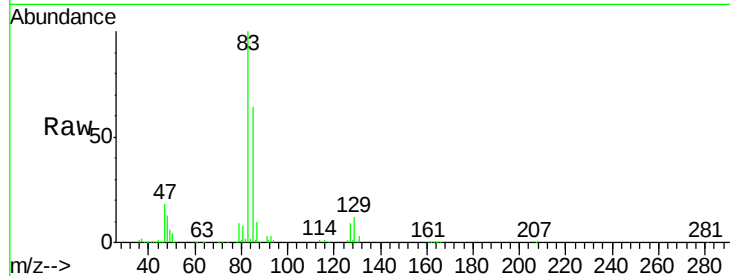
#47
Bromodichloromethane
Concen: 52.369 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.3	76.9
127	8.5	6.9	10.3

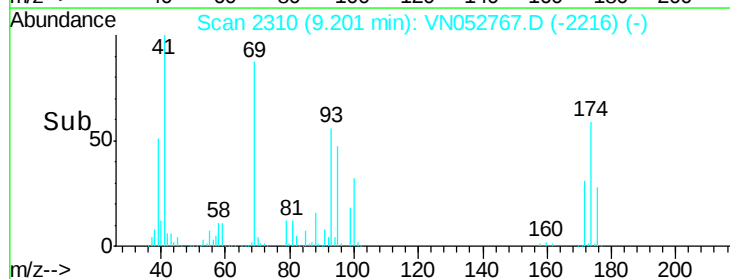
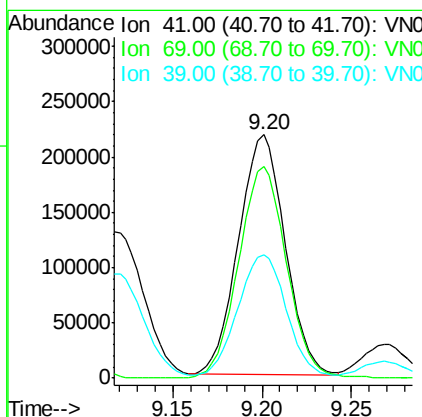
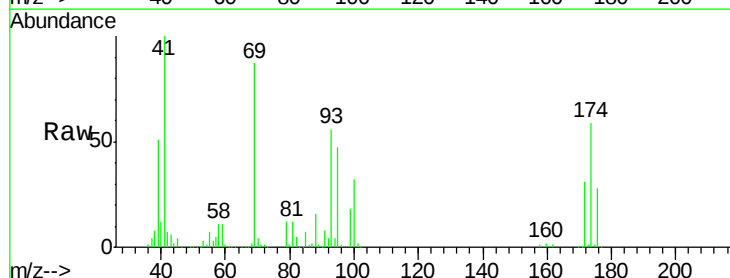
Manual Integrations
APPROVED

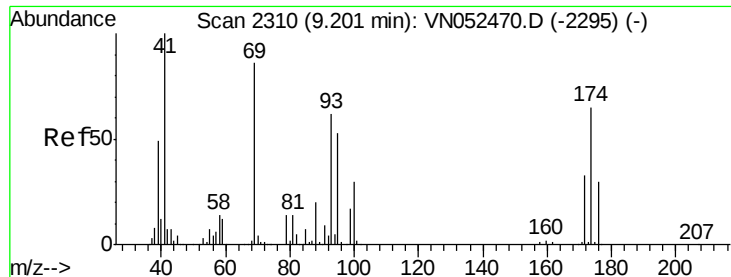
MMDadoda
12/11/2018 12:46:52 PM



#48
Methyl methacrylate
Concen: 54.175 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.8	70.0	105.0
39	54.1	42.6	64.0





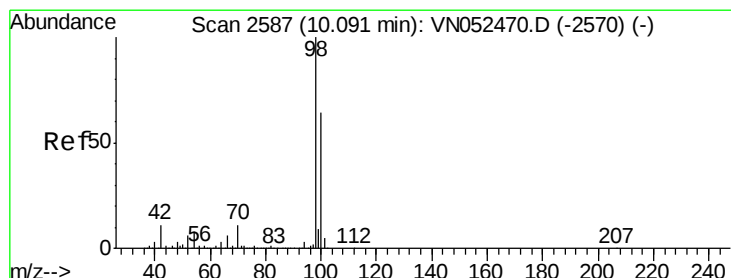
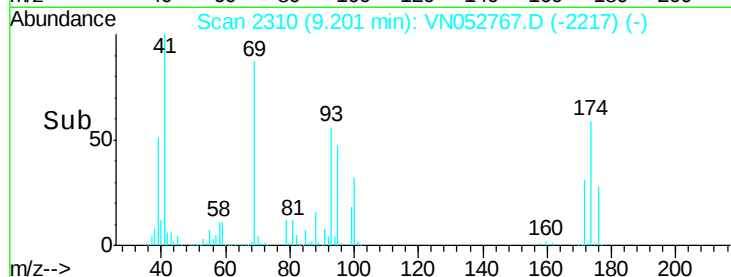
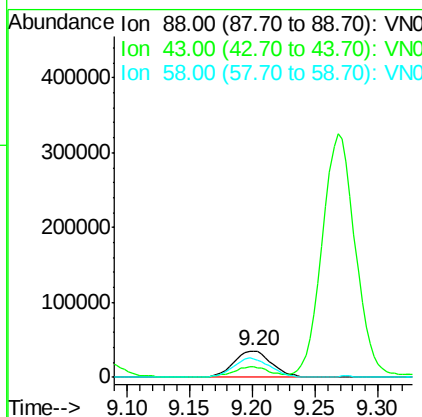
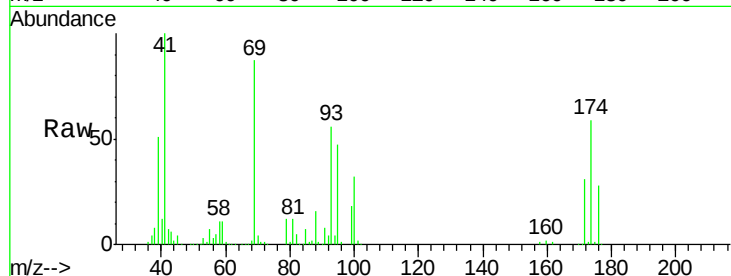
#49
1,4-Dioxane
Concen: 983.423 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	26.4	39.6
58	70.7	55.4	83.0

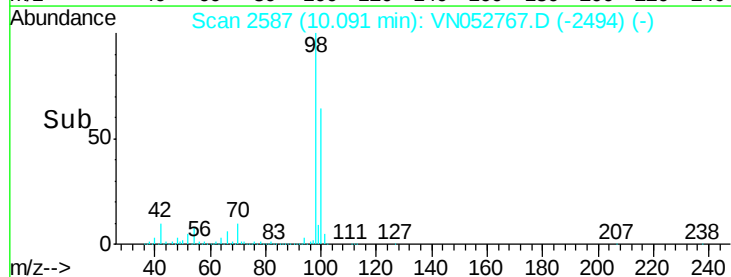
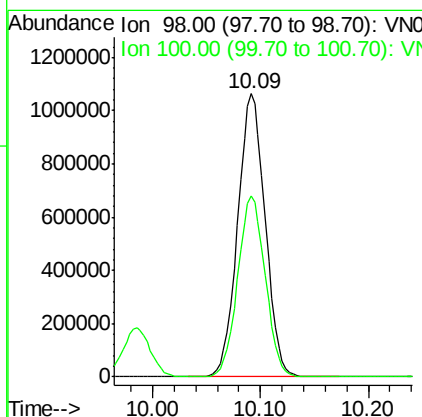
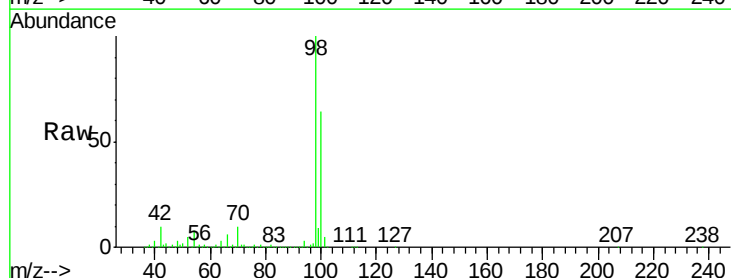
Manual Integrations
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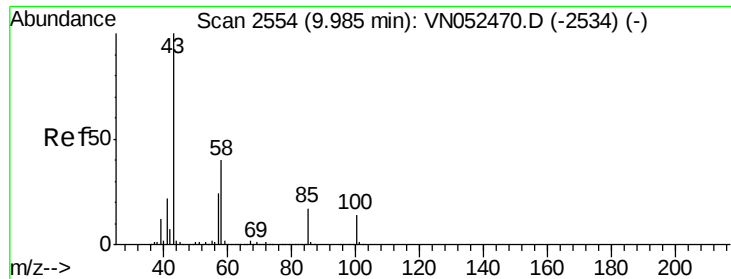
MMDadoda
12/11/2018 12:46:52 PM



#50
Toluene-d8
Concen: 983.423 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 280.140 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2209339

Ion Ratio Lower Upper

43 100

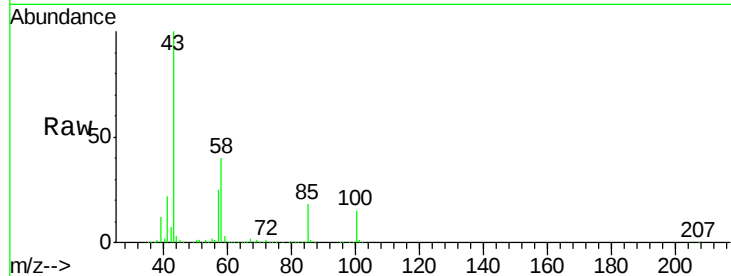
58 39.8 31.5 47.3

Manual Integrations

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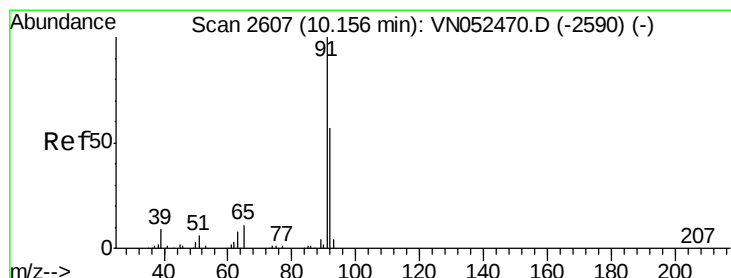
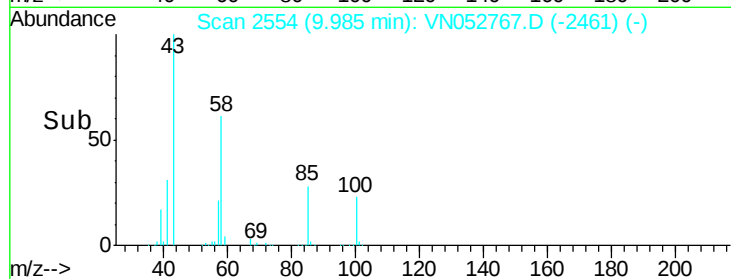
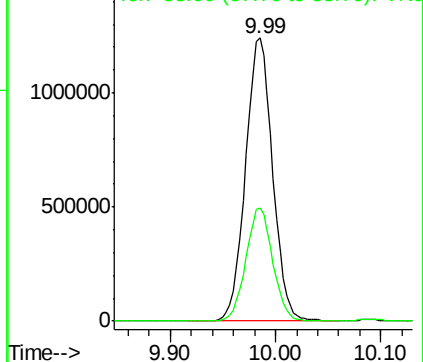
MMDadoda

12/11/2018 12:46:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.995 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052767.D

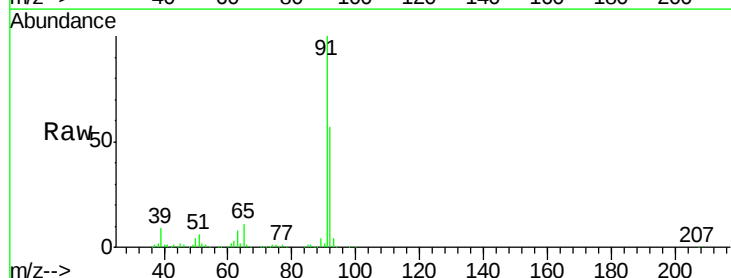
Acq: 10 Dec 2018 21:50

Tgt Ion: 92 Resp: 1253003

Ion Ratio Lower Upper

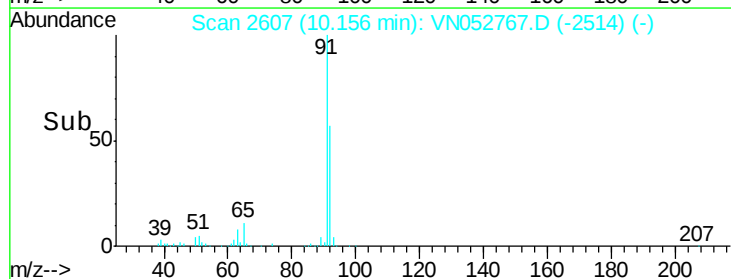
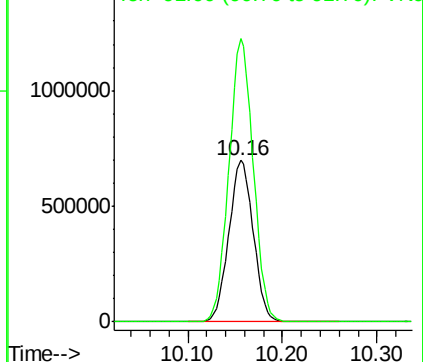
92 100

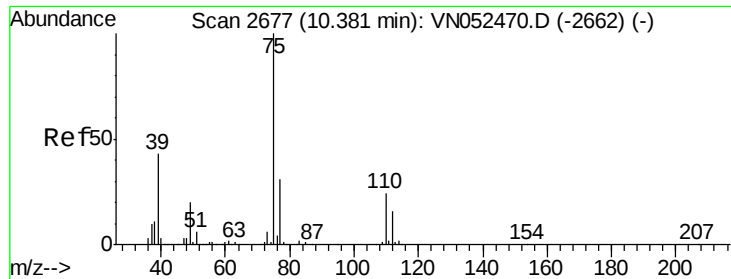
91 174.6 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





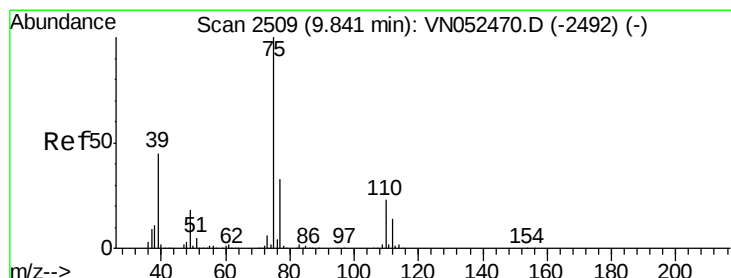
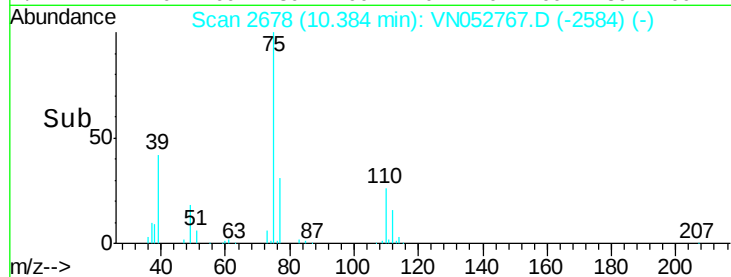
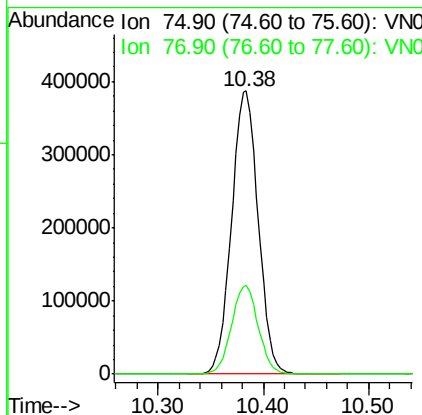
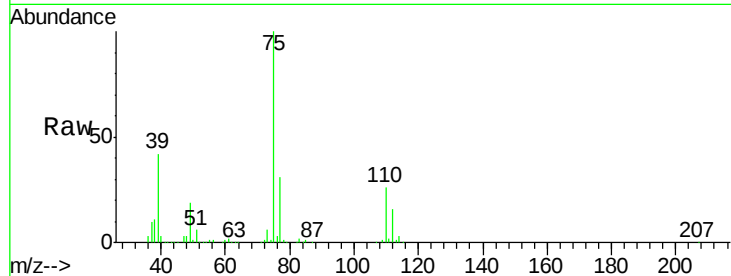
#53
t-1,3-Dichloropropene
Concen: 54.217 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 676943
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.4

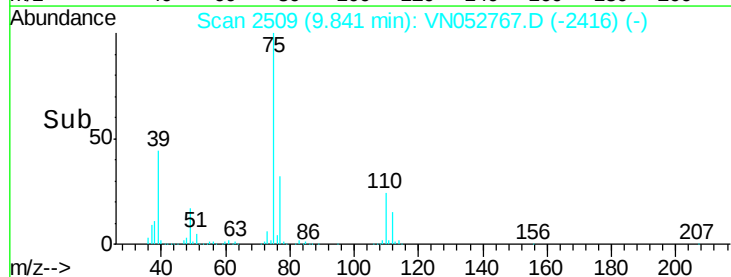
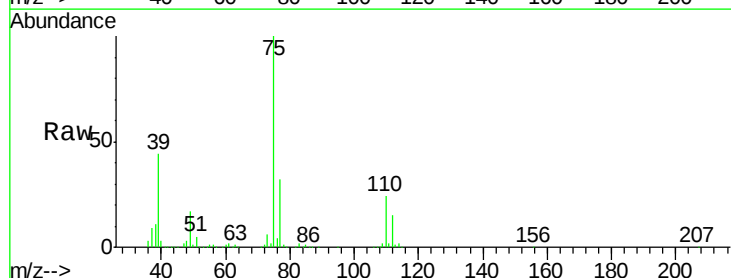
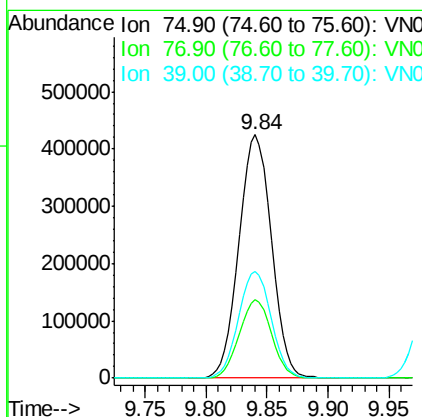
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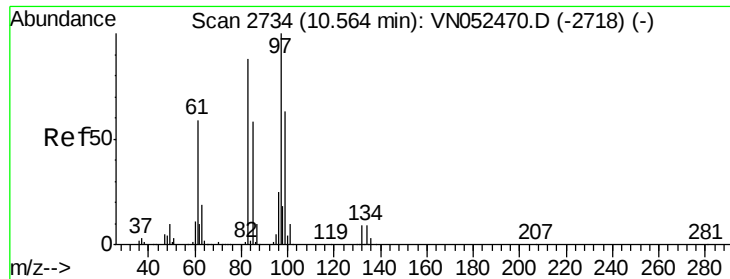
MMDadoda
12/11/2018 12:46:52 PM



#54
cis-1,3-Dichloropropene
Concen: 52.361 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion: 75 Resp: 783460
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
39 43.8 36.0 54.0





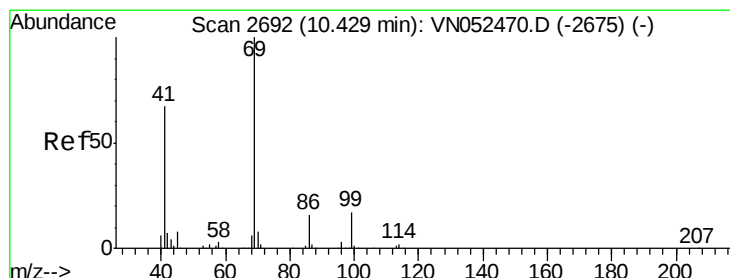
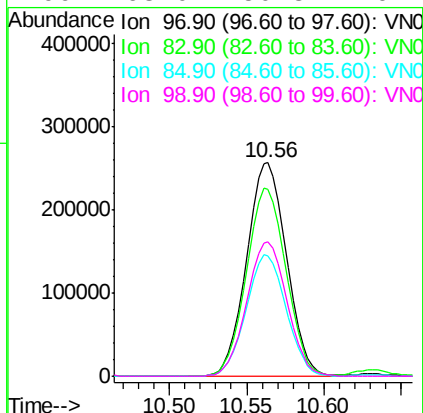
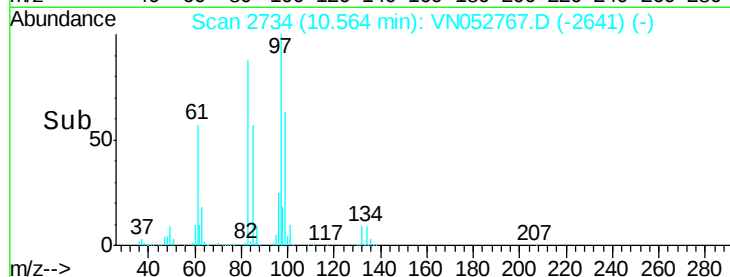
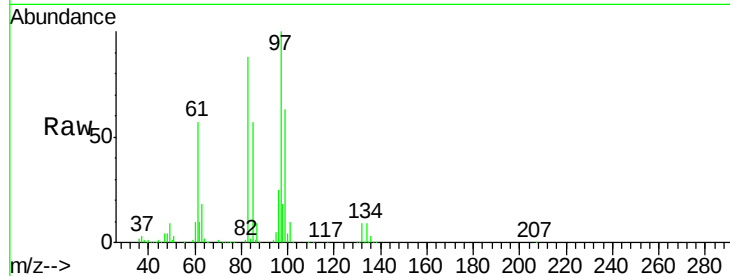
#55
 1,1,2-Trichloroethane
 Concen: 54.395 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	461088
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.7	106.1
85	56.6	46.1	69.1
99	63.0	50.8	76.2

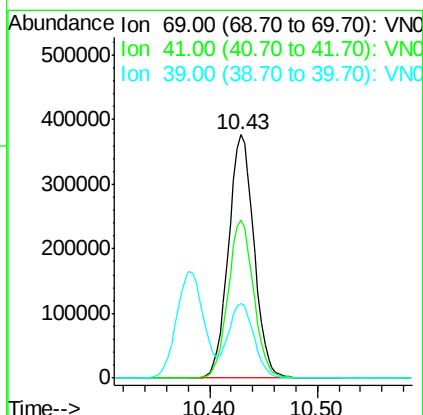
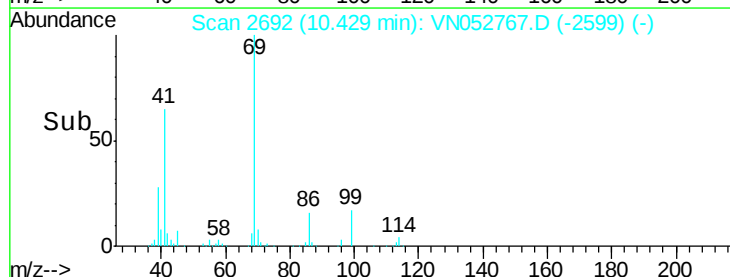
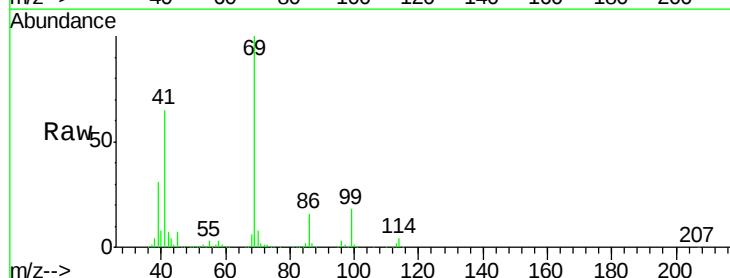
Manual Integrations
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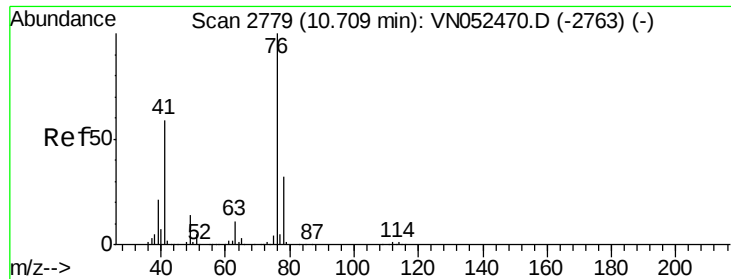
MMDadoda
 12/11/2018 12:46:52 PM



#56
 Ethyl methacrylate
 Concen: 52.370 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Tgt Ion:	69	Resp:	618027
Ion	Ratio	Lower	Upper
69	100		
41	64.3	52.6	79.0
39	31.2	25.9	38.9





#57

1,3-Dichloropropane

Concen: 52.924 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 792141

Ion Ratio Lower Upper

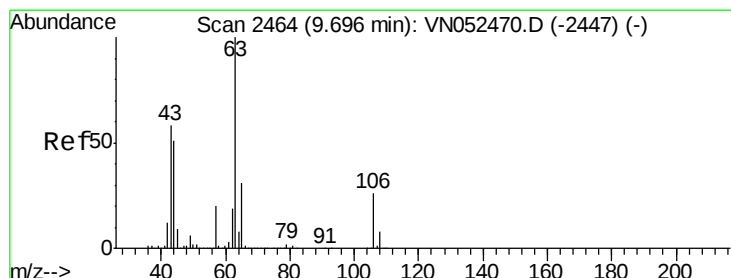
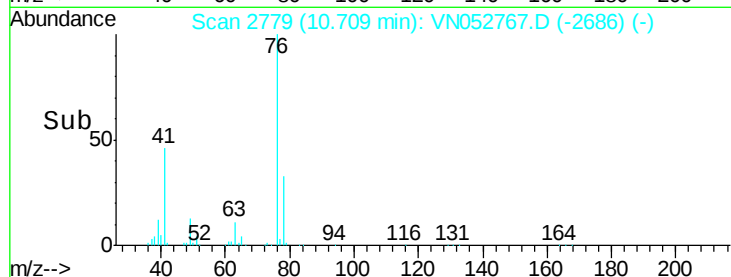
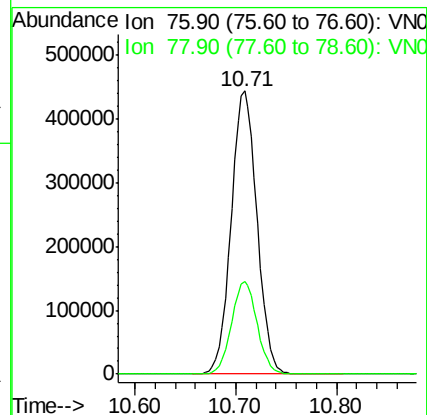
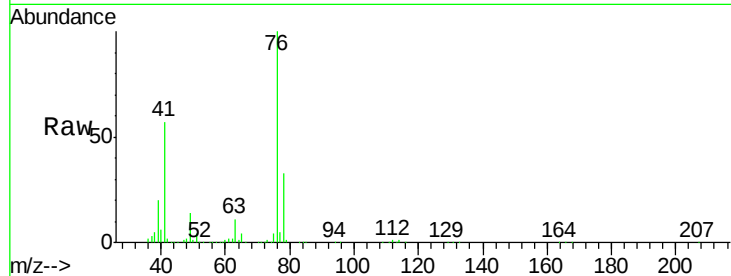
76 100

78 32.4 25.6 38.4

Manual Integrations
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12/11/2018 12:46:52 PM



#58

2-Chloroethyl Vinyl ether

Concen: 273.189 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052767.D

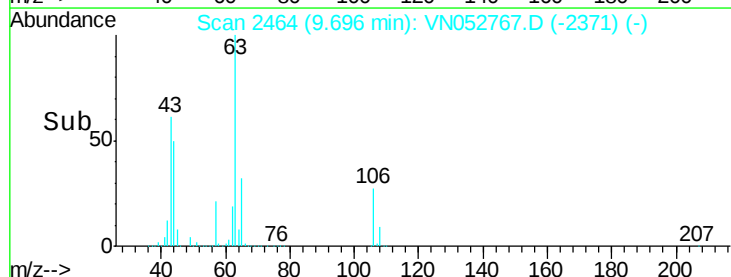
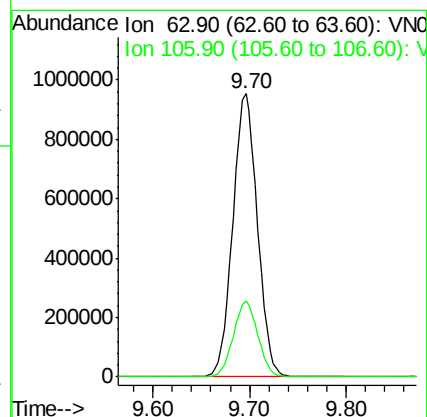
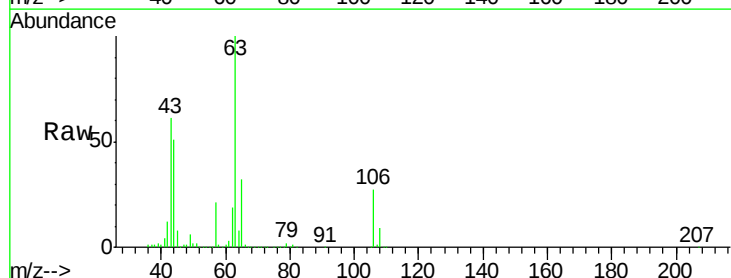
Acq: 10 Dec 2018 21:50

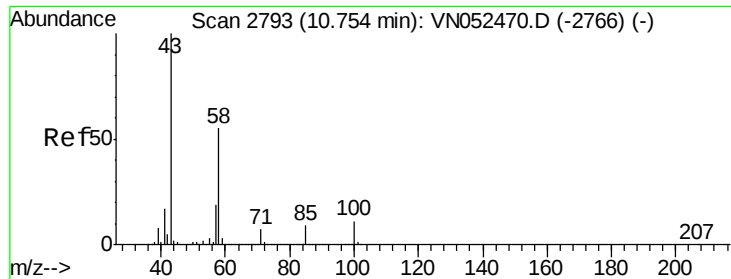
Tgt Ion: 63 Resp: 1680366

Ion Ratio Lower Upper

63 100

106 26.6 20.6 30.8





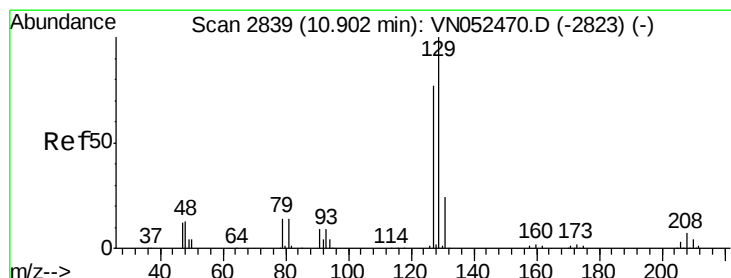
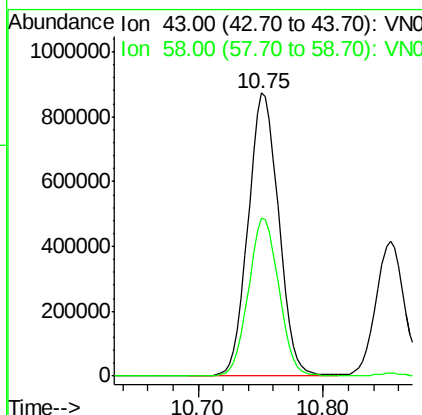
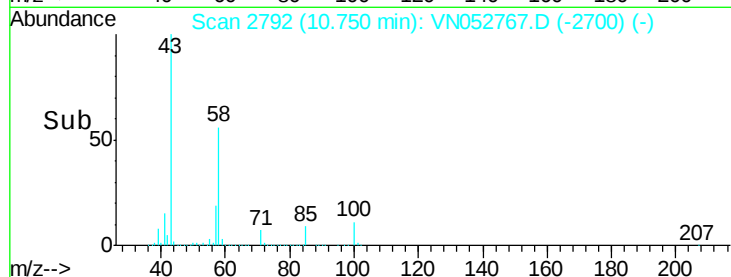
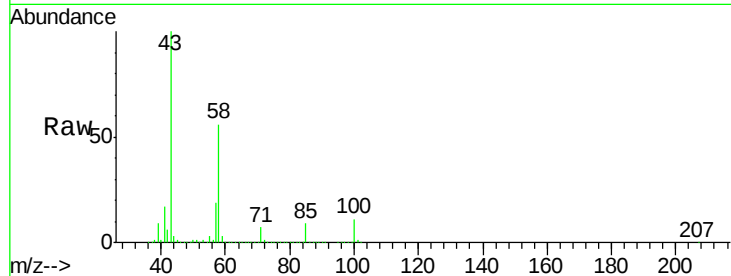
#59
2-Hexanone
Concen: 280.095 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1482562
Ion Ratio Lower Upper
43 100
58 55.7 27.4 82.0

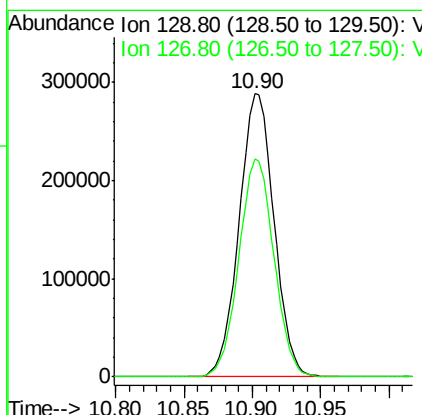
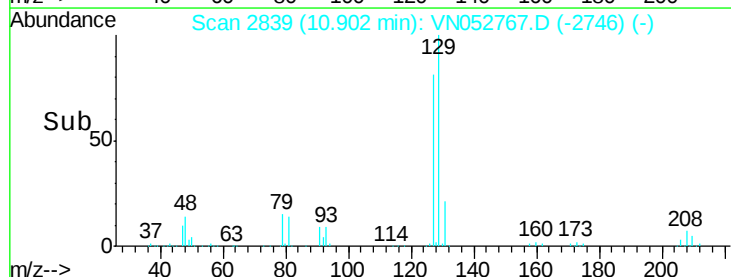
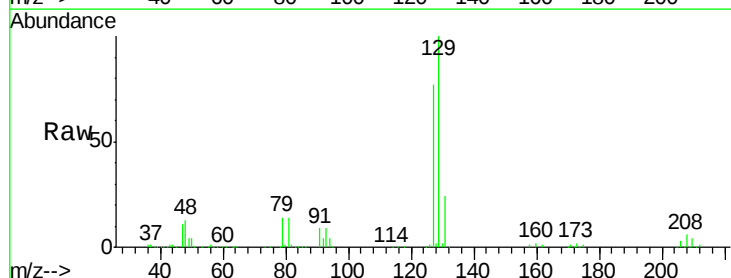
Manual Integrations
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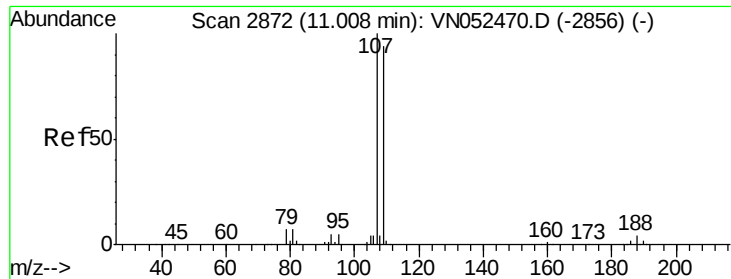
MMDadoda
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#60
Dibromochloromethane
Concen: 55.769 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion: 129 Resp: 513442
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





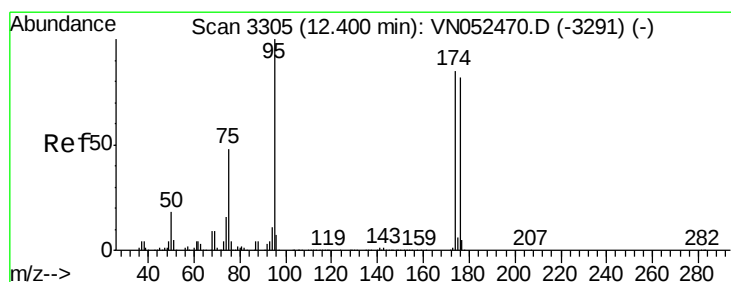
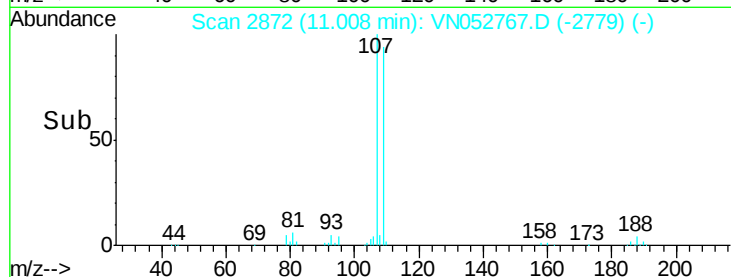
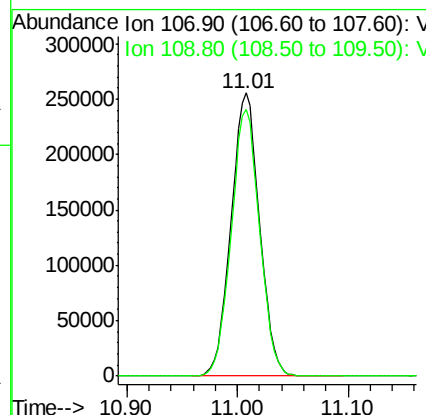
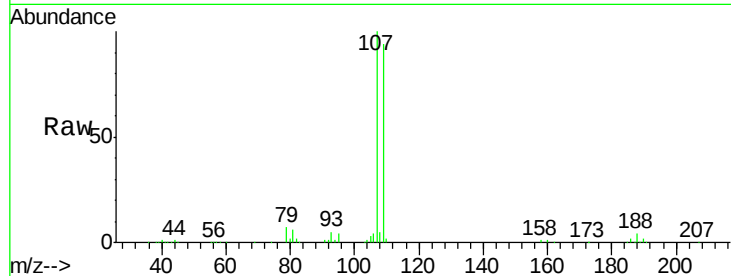
#61
 1,2-Dibromoethane
 Concen: 54.149 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.6	113.4

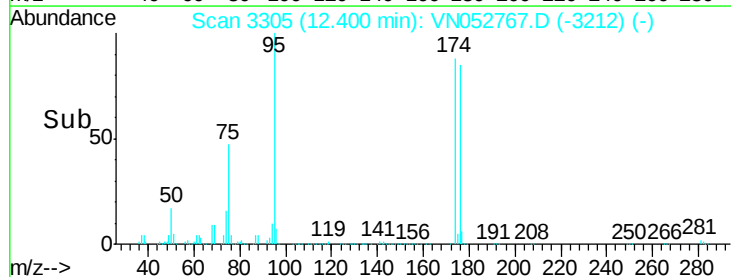
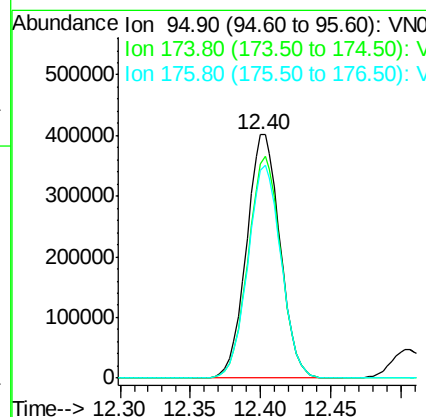
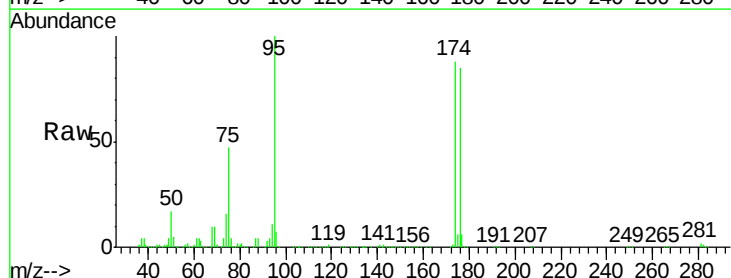
Manual Integrations
 APPROVED

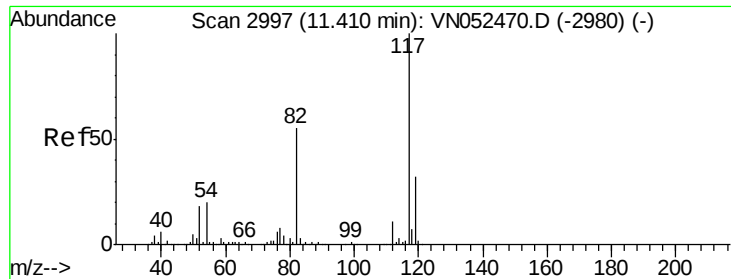
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#62
 4-Bromofluorobenzene
 Concen: 54.149 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	173.0
176	86.7	0.0	166.2





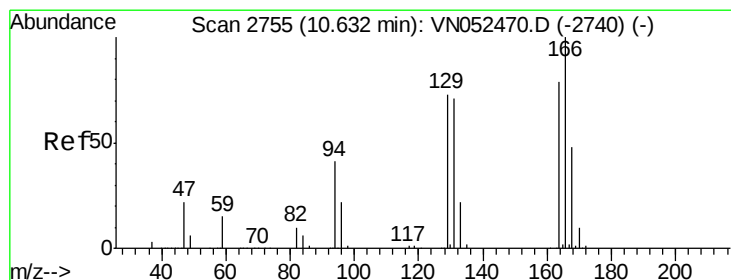
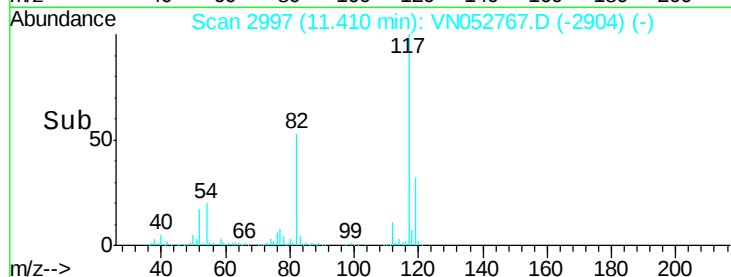
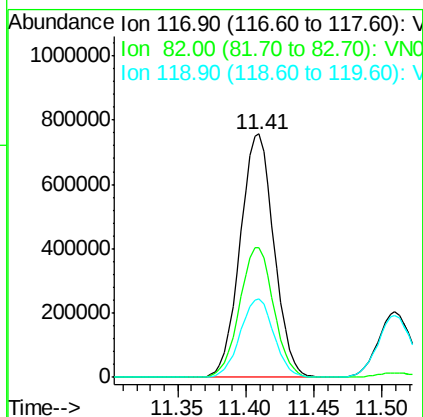
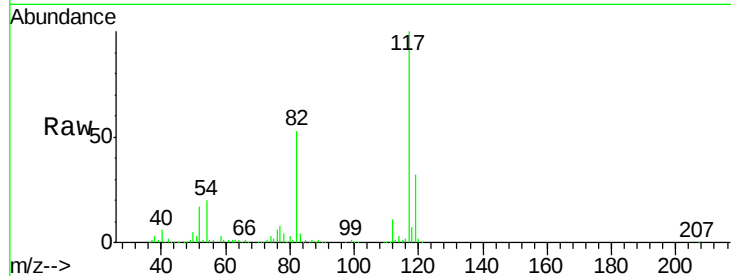
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1301160
Ion Ratio Lower Upper
117 100
82 53.2 43.6 65.4
119 32.1 25.4 38.2

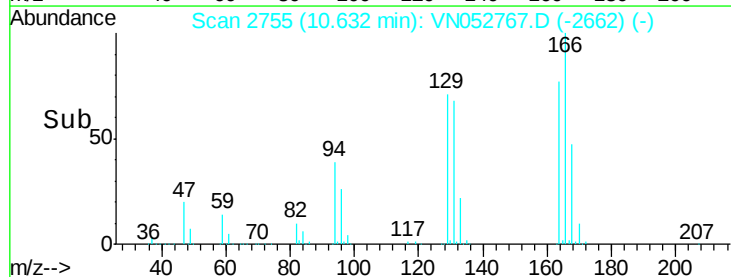
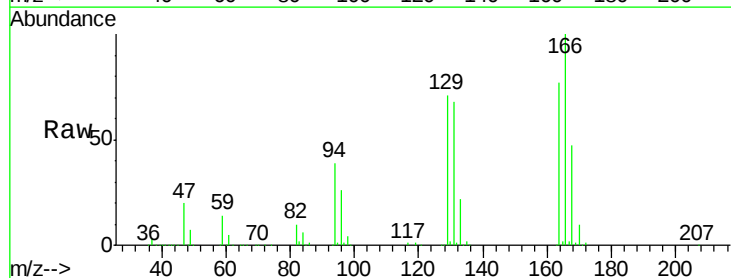
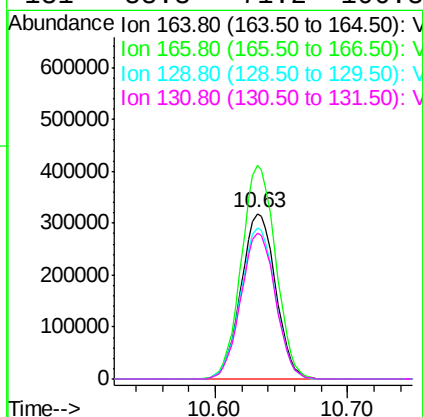
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 57.044 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion:164 Resp: 575476
Ion Ratio Lower Upper
164 100
166 129.2 101.0 151.4
129 91.6 73.8 110.6
131 88.3 71.2 106.8





#65

Chlorobenzene

Concen: 51.914 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1392832

Ion Ratio Lower Upper

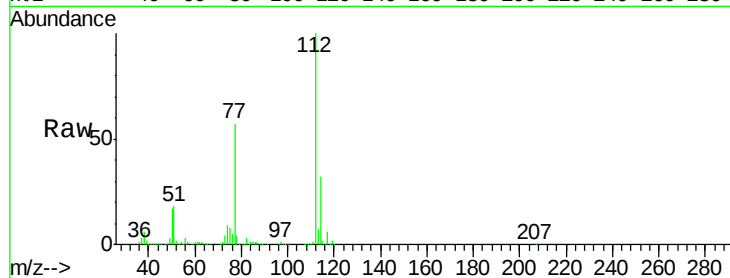
112 100

114 32.2 25.8 38.6

Manual Integrations
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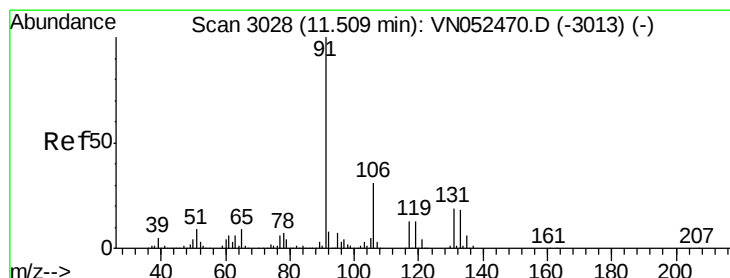
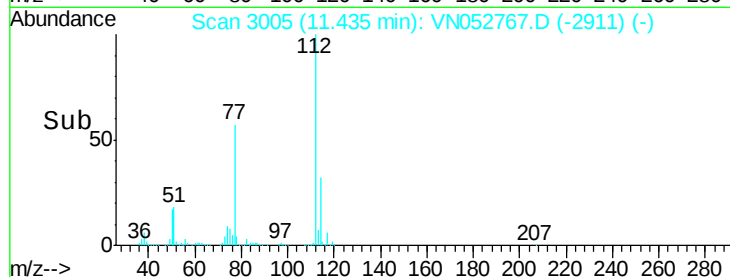
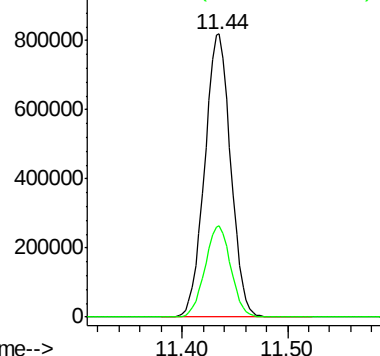
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.692 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

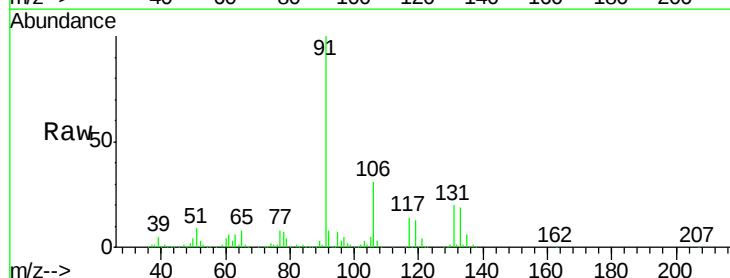
Tgt Ion:131 Resp: 500884

Ion Ratio Lower Upper

131 100

133 94.8 47.6 142.8

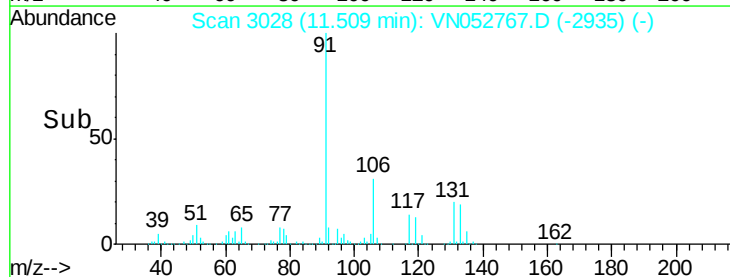
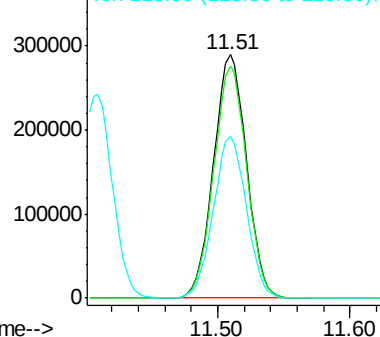
119 66.6 33.2 99.6

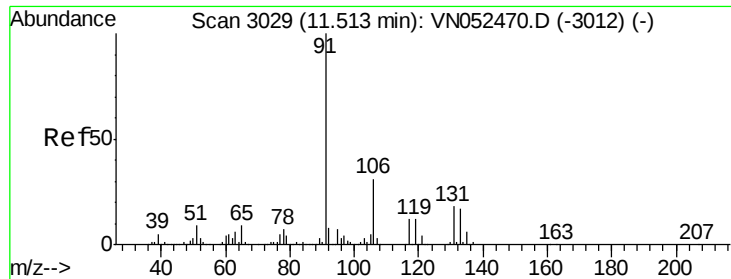


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.340 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2412143

Ion Ratio Lower Upper

91 100

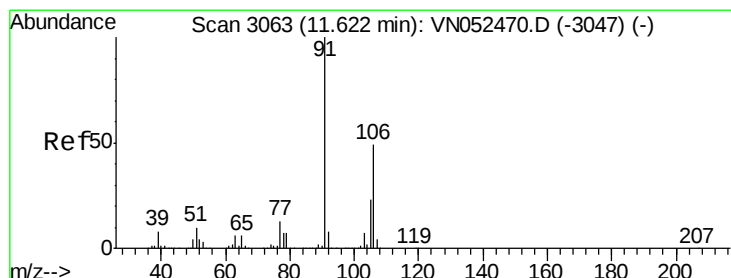
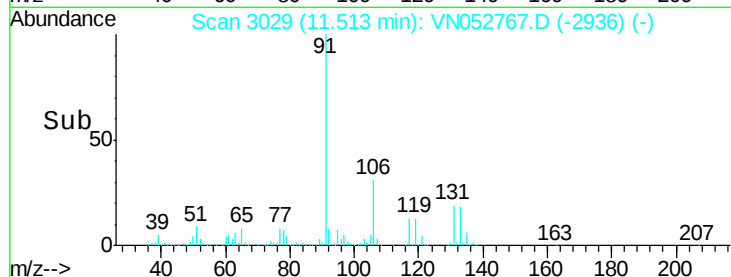
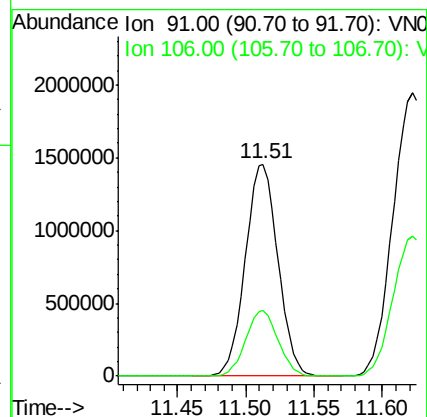
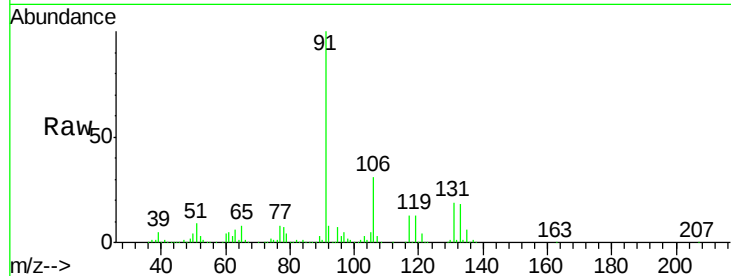
106 31.0 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 105.151 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052767.D

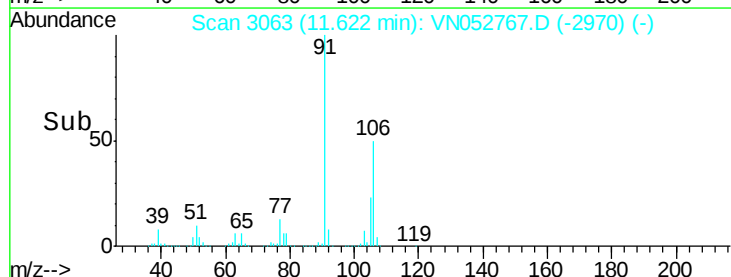
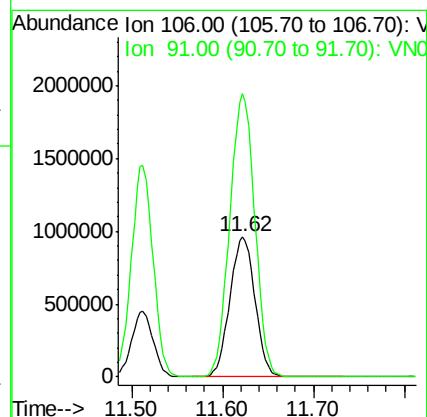
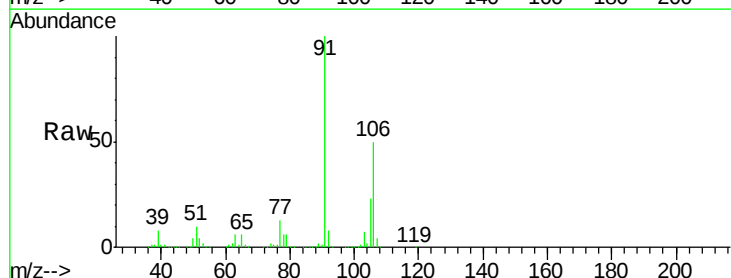
Acq: 10 Dec 2018 21:50

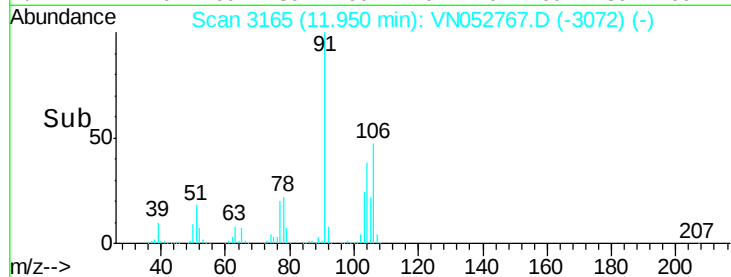
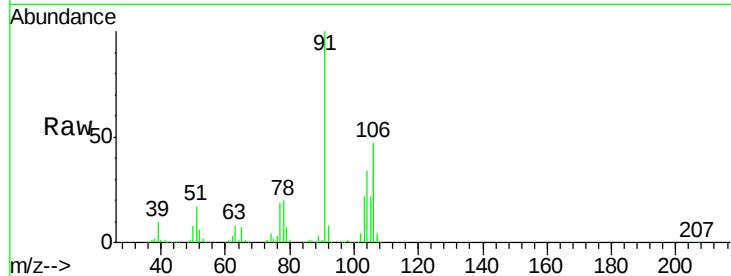
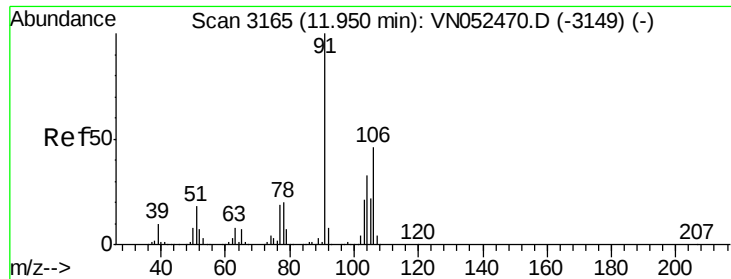
Tgt Ion: 106 Resp: 1839181

Ion Ratio Lower Upper

106 100

91 201.7 163.2 244.8





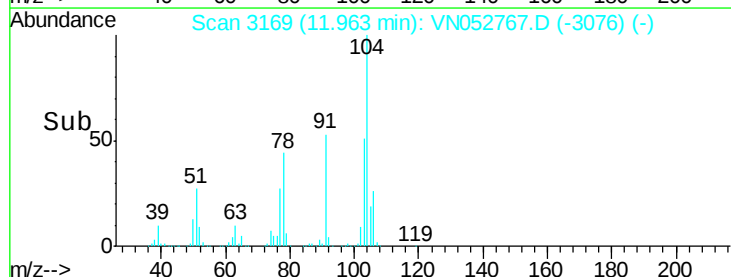
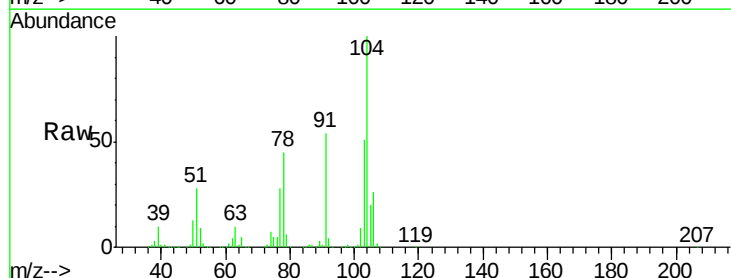
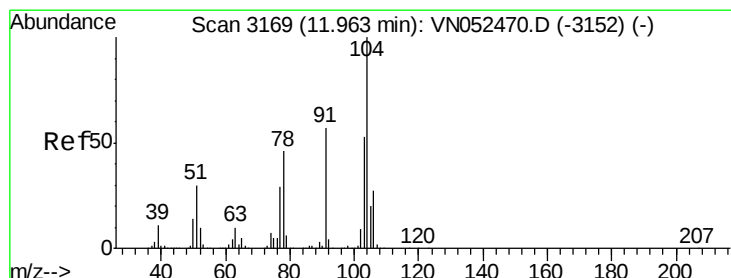
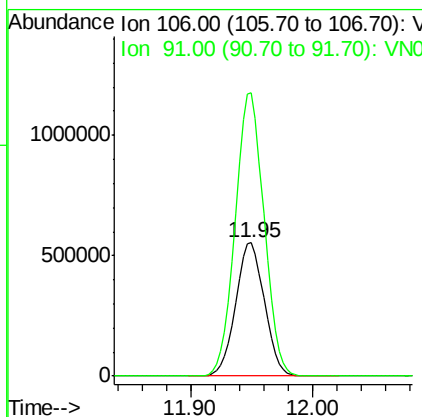
#69
o-Xylene
Concen: 53.034 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tot Ion:106 Resp: 900783
Ion Ratio Lower Upper
106 100
91 213.6 107.7 323.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

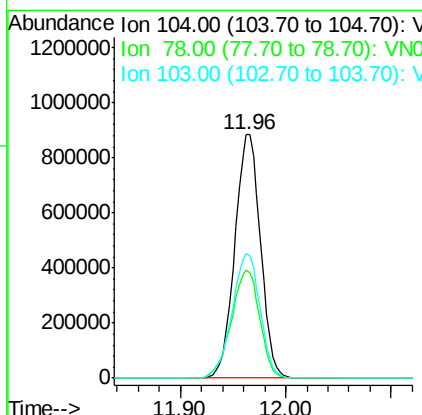
Manual Integrations
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#70
Styrene
Concen: 55.056 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion:104 Resp: 1489437
Ion Ratio Lower Upper
104 100
78 48.7 39.4 59.2
103 55.3 44.9 67.3





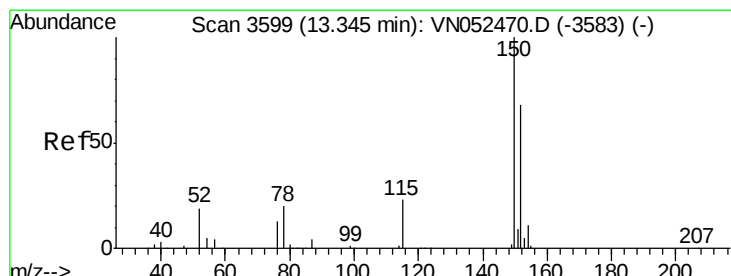
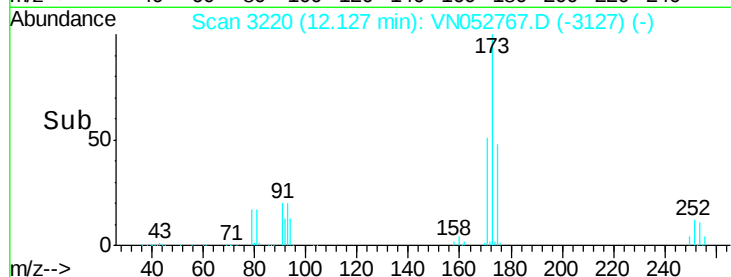
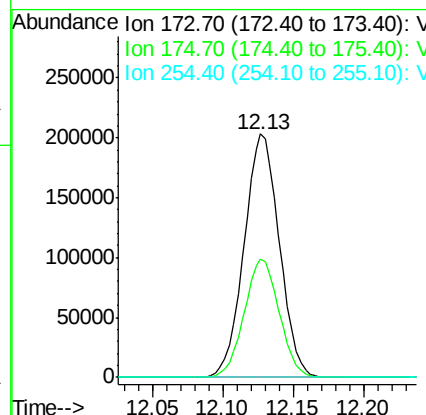
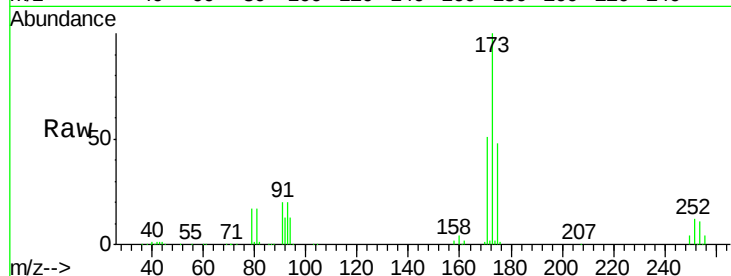
#71
Bromoform
Concen: 57.522 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.2
254	0.2	0.1	0.1#

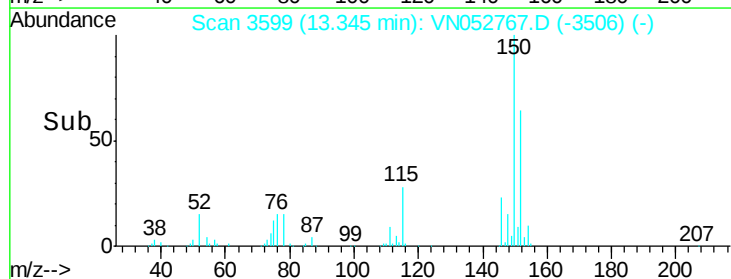
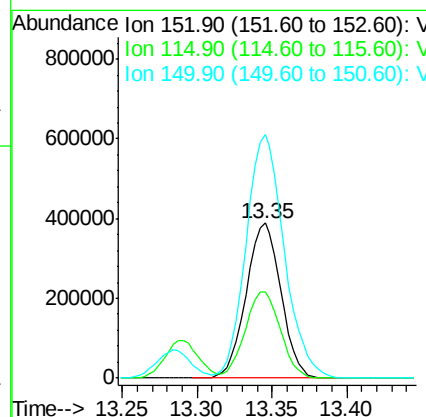
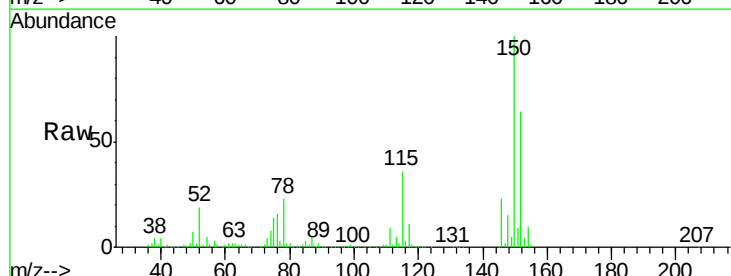
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.4	85.2
150	172.4	0.0	346.0





#73

Isopropylbenzene

Concen: 48.740 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2406851

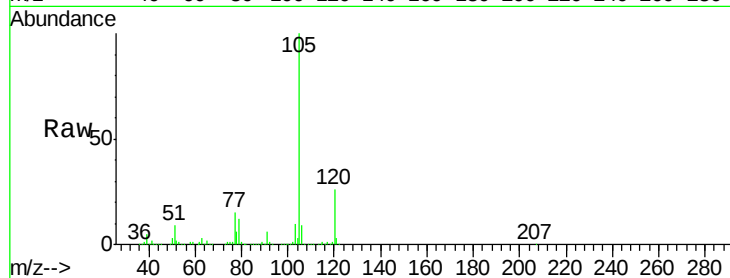
Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3

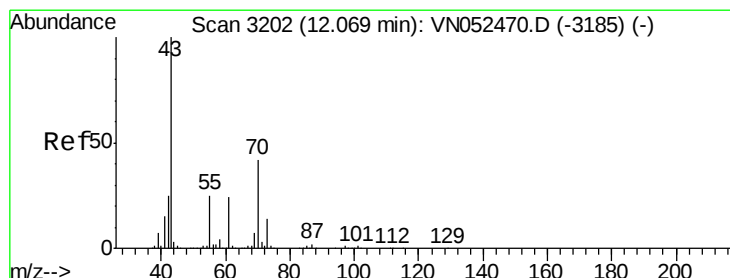
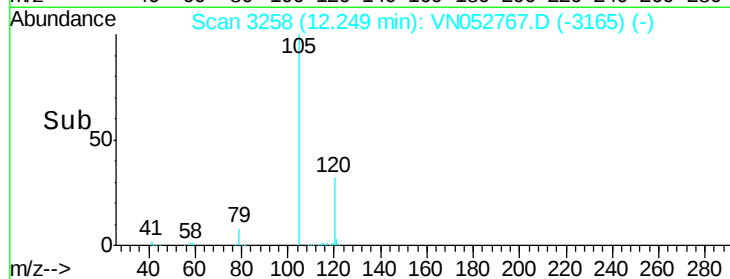
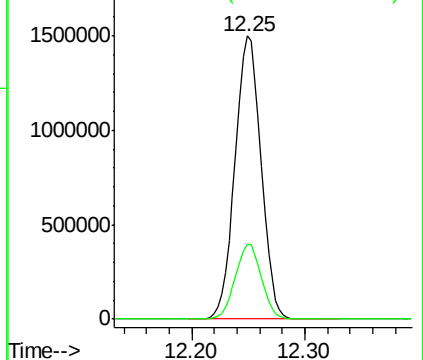
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.218 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Tgt Ion: 43 Resp: 701350

Ion Ratio Lower Upper

43 100

70 42.9 33.8 50.8

55 25.4 20.0 30.0

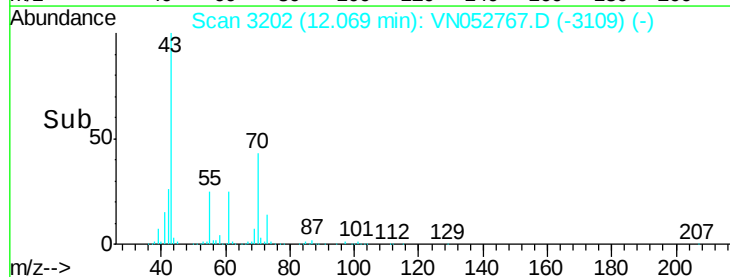
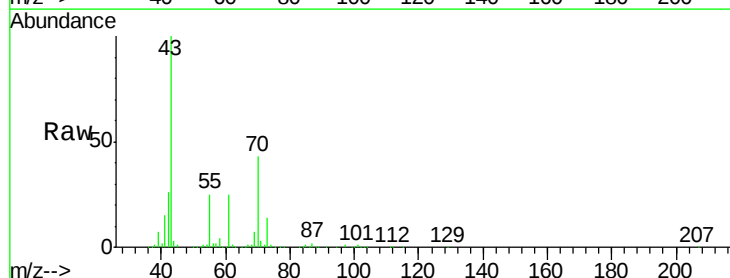
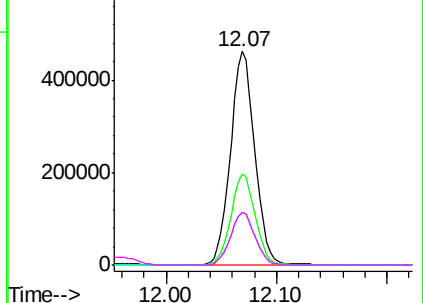
61 25.0 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.754 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

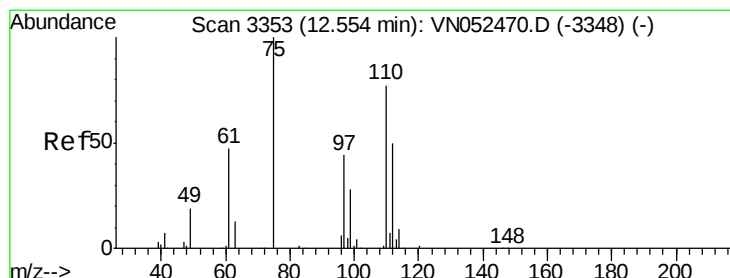
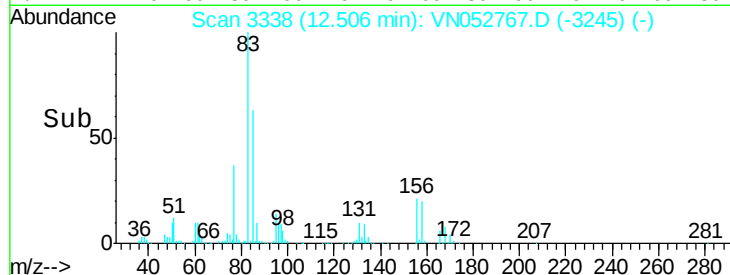
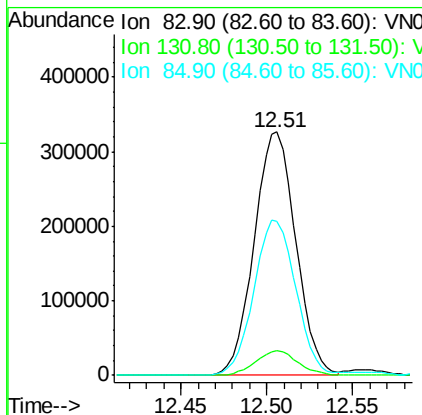
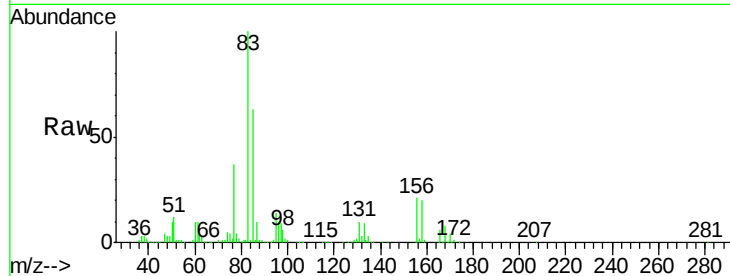
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	547664
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	64.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.604 ug/l m

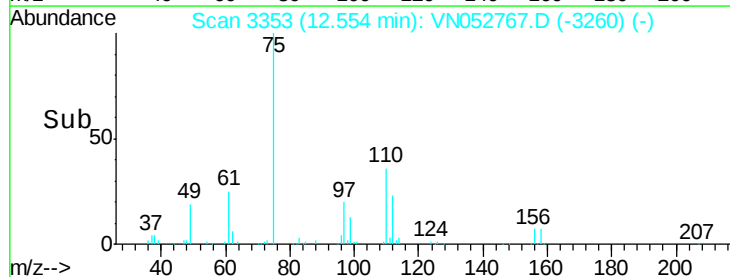
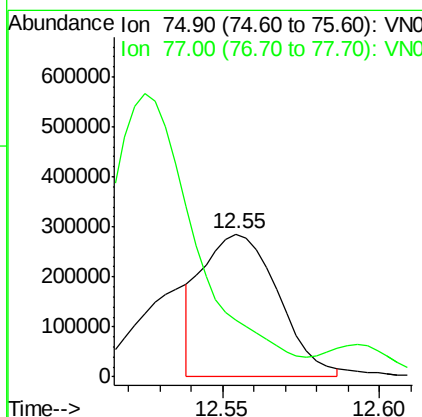
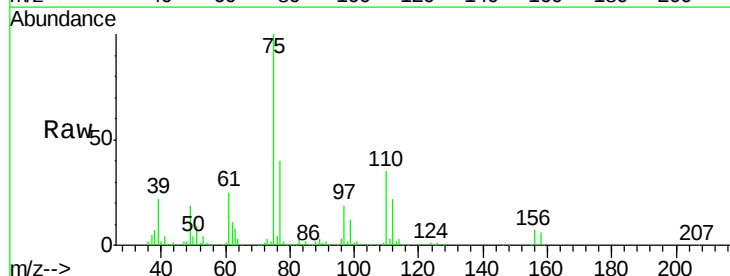
RT: 12.55 min Scan# 3353

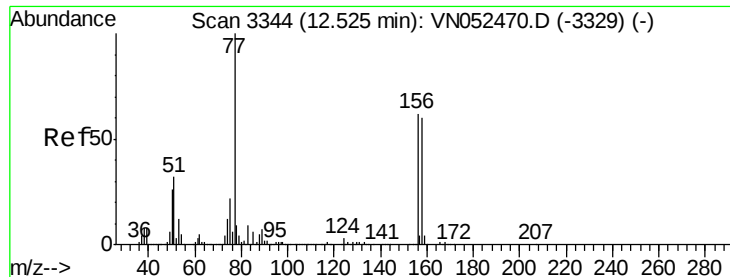
Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Tgt Ion:	75	Resp:	481449
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.077 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

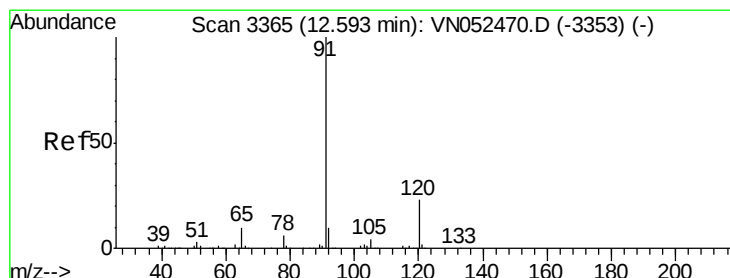
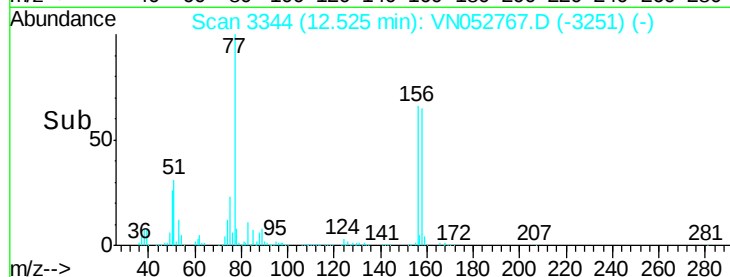
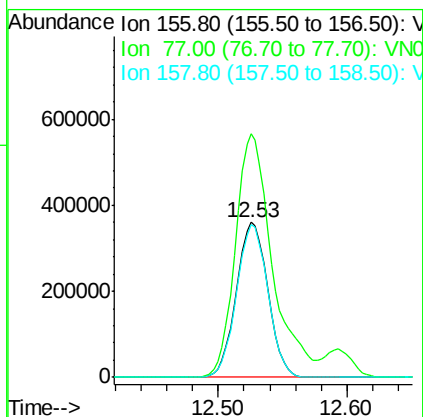
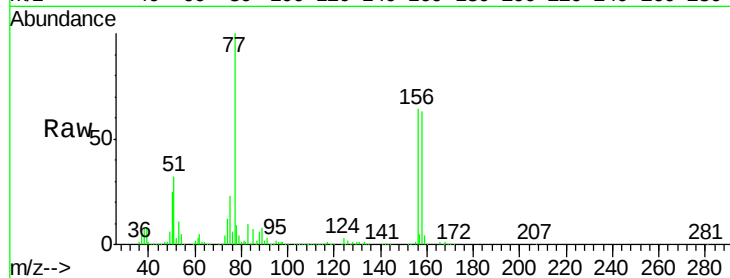
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	611219
Ion Ratio	Lower	Upper	
156	100		
77	184.4	93.5	280.4
158	98.1	48.3	144.9

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#78

n-propylbenzene

Concen: 49.026 ug/l

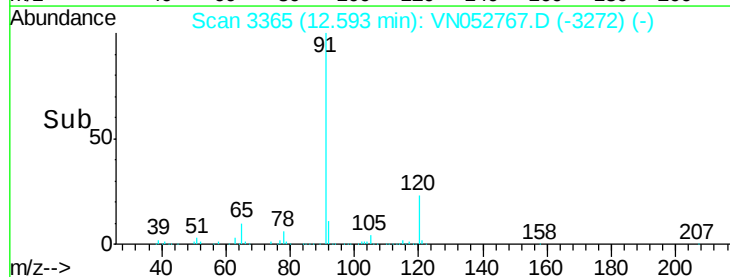
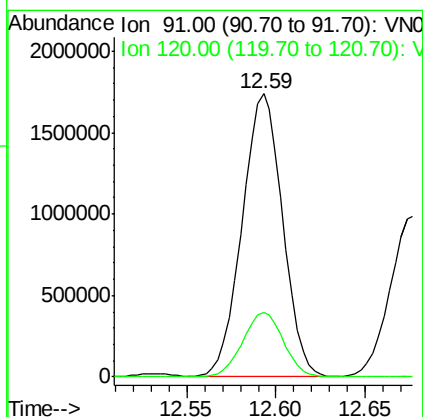
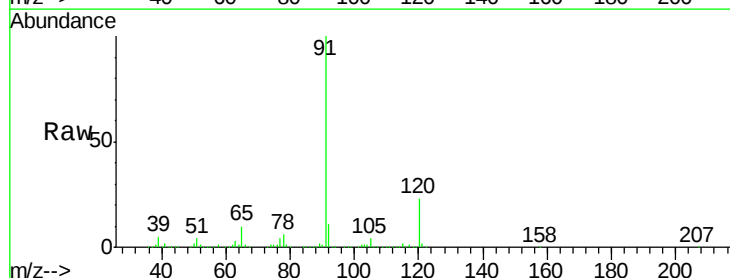
RT: 12.59 min Scan# 3365

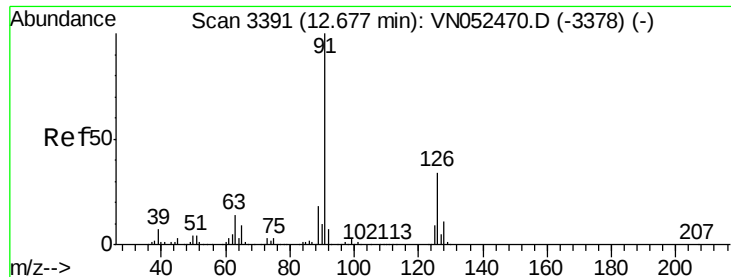
Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Tgt Ion:	91	Resp:	2750336
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 48.656 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1625481

Ion Ratio Lower Upper

91 100

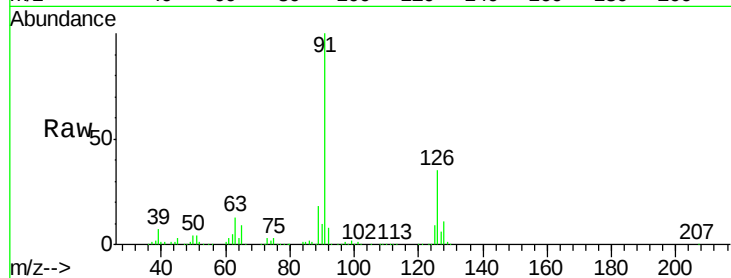
126 35.1 17.2 51.6

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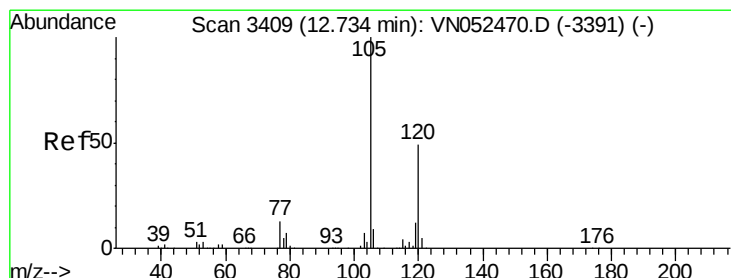
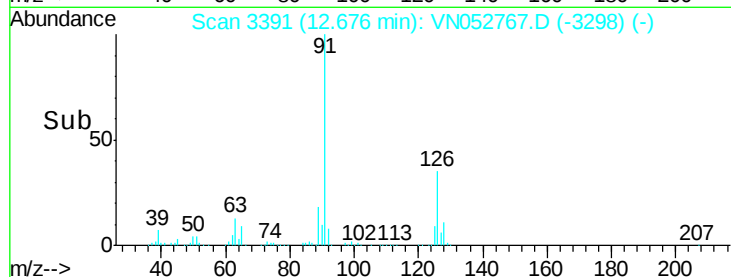
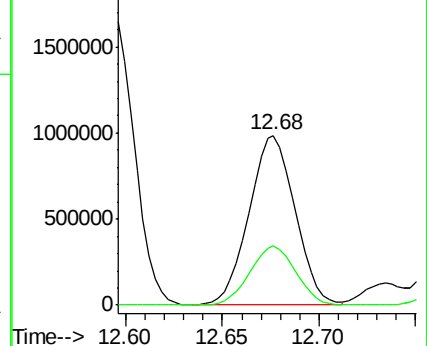
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Abundance Ion 91.00 (90.70 to 91.70): VN052767.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052767.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.637 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052767.D

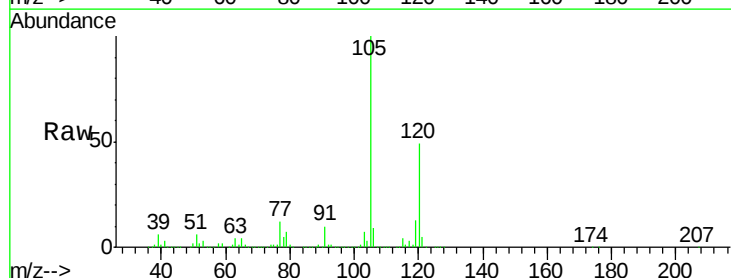
Acq: 10 Dec 2018 21:50

Tgt Ion:105 Resp: 1954877

Ion Ratio Lower Upper

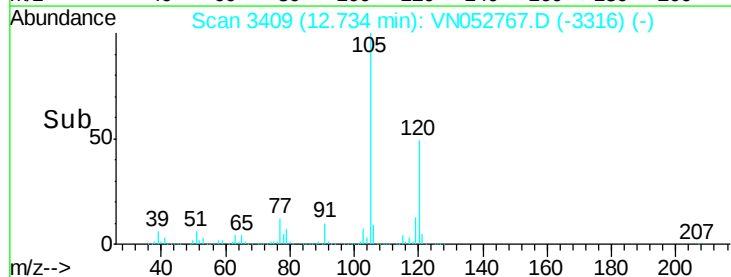
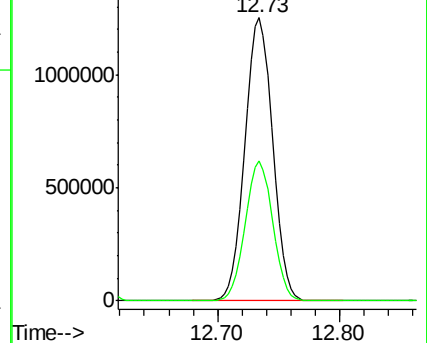
105 100

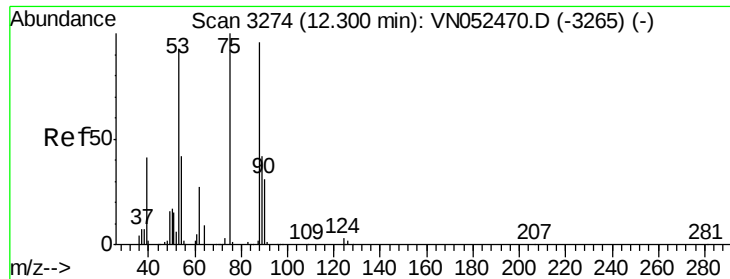
120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052767.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN052767.D (-3316) (-)





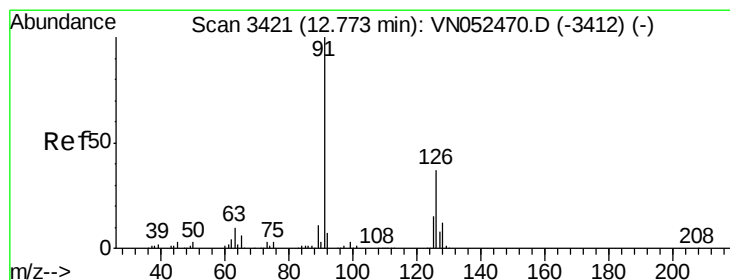
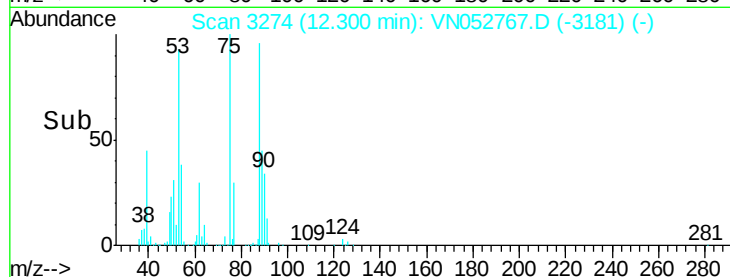
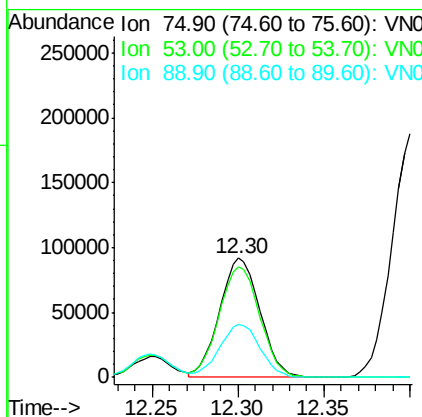
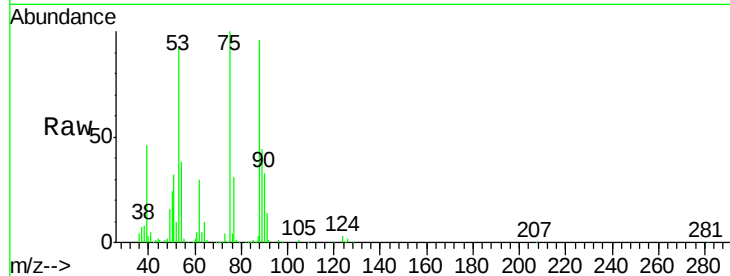
#81
trans-1,4-Dichloro-2-butene
Concen: 52.082 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.5	77.4	116.0
89	44.8	35.4	53.2

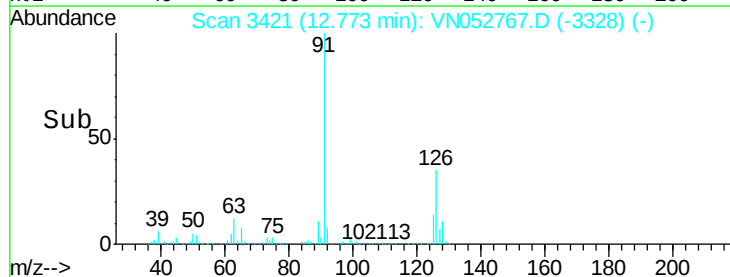
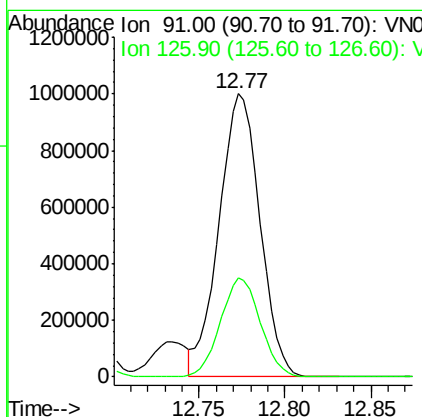
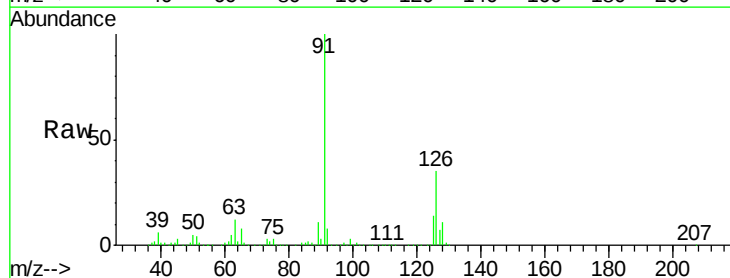
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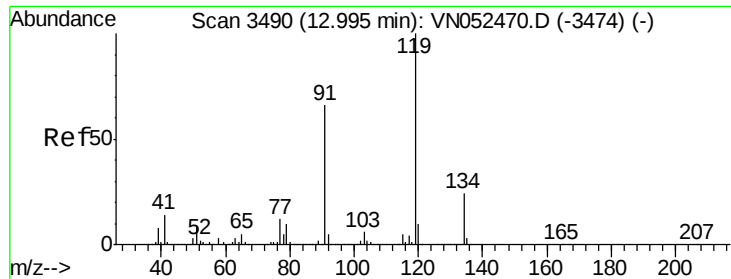
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#82
4-Chlorotoluene
Concen: 49.216 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.9	50.6





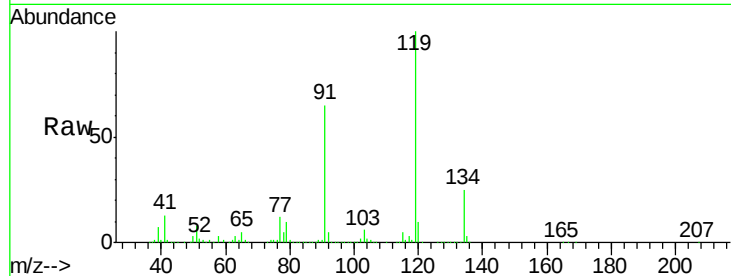
#83
tert-Butylbenzene
Concen: 49.360 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

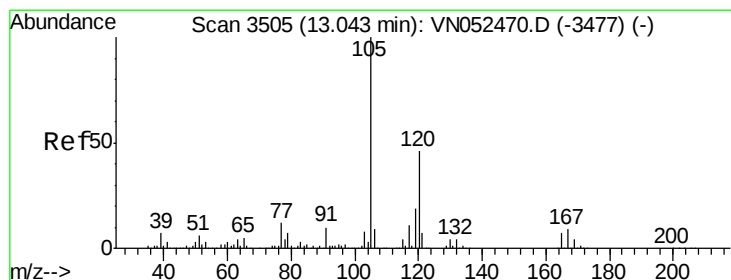
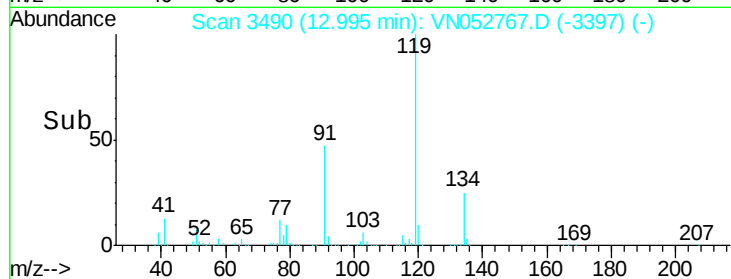
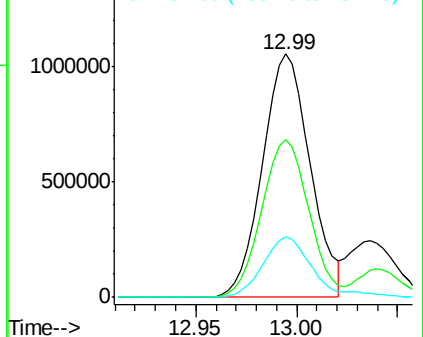
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.3	96.9
134	26.0	13.0	38.9

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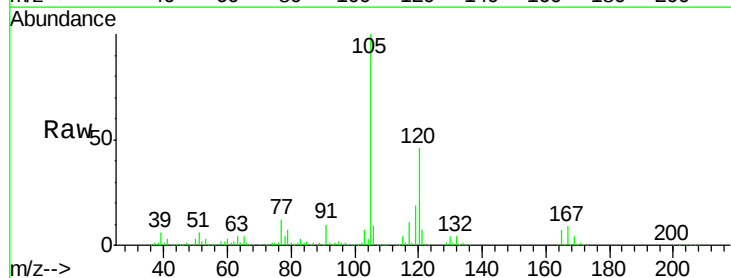


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

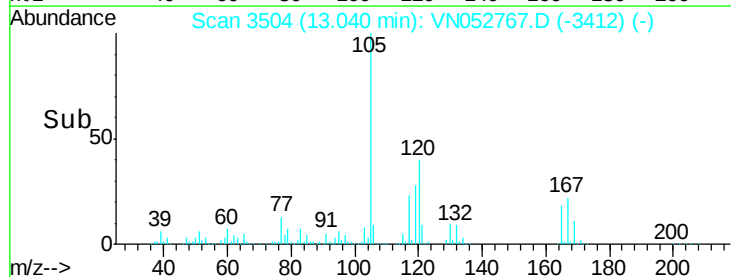
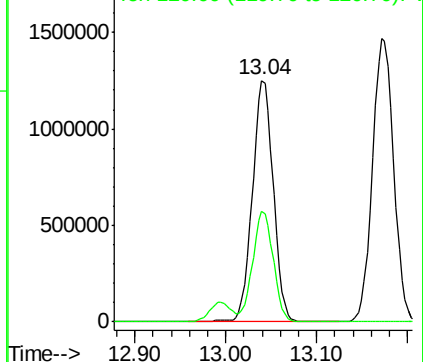


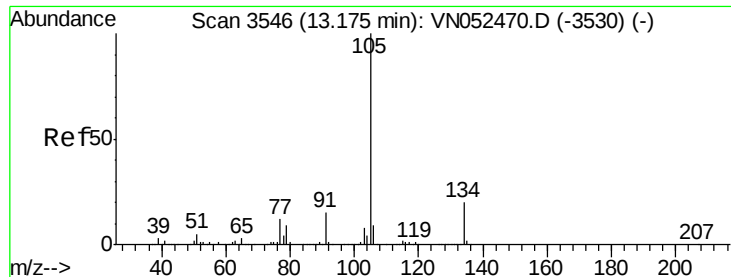
#84
1,2,4-Trimethylbenzene
Concen: 50.458 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.509 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2367606

Ion Ratio Lower Upper

105 100

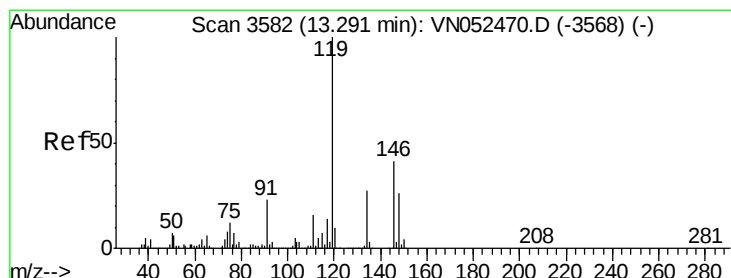
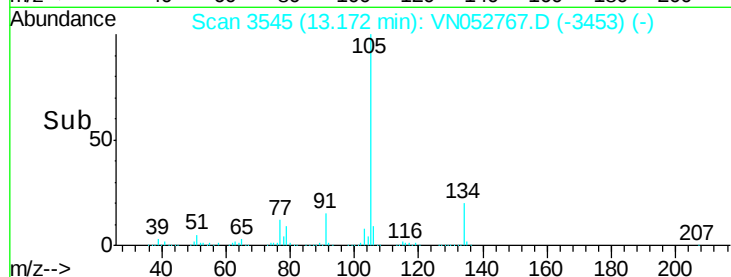
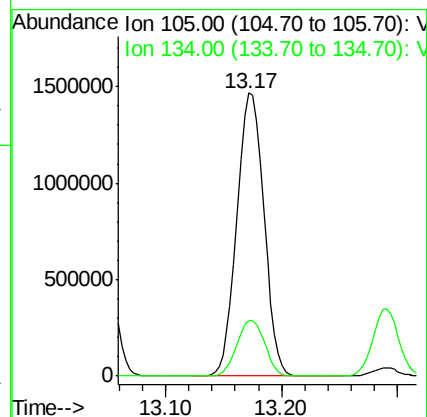
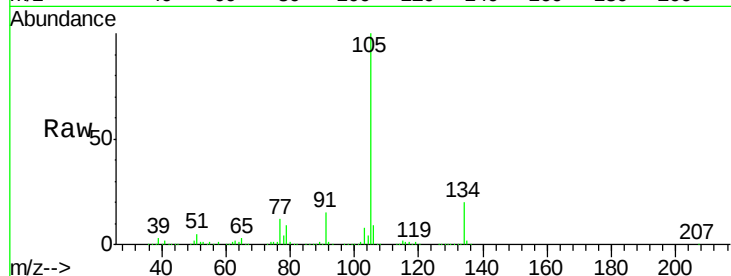
134 20.2 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 50.163 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

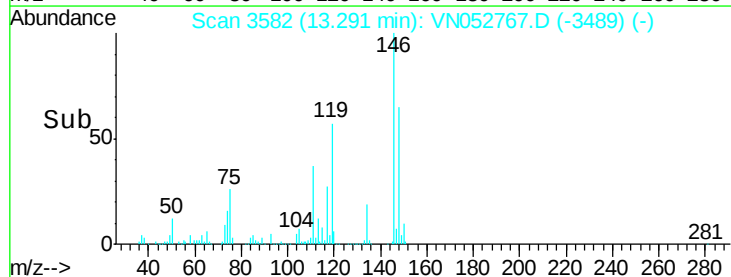
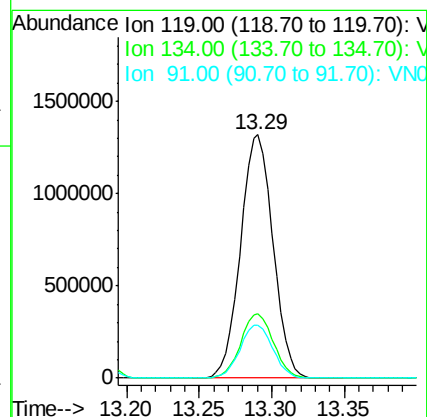
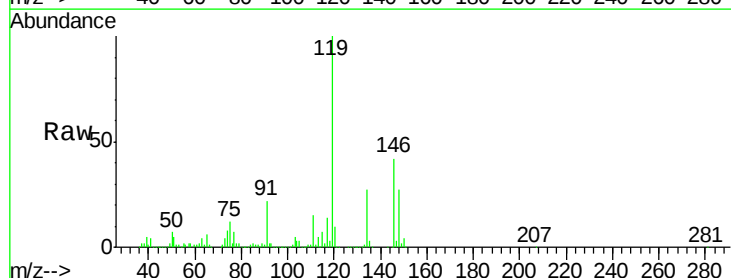
Tgt Ion:119 Resp: 2043207

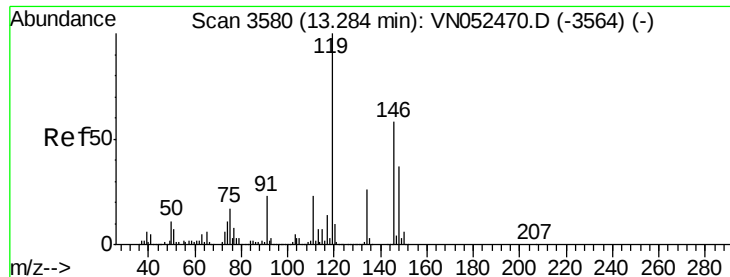
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 51.200 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1093143

Ion Ratio Lower Upper

146 100

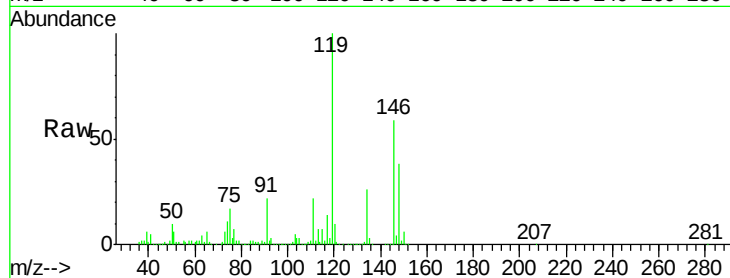
111 37.7 19.4 58.4

148 64.1 31.8 95.4

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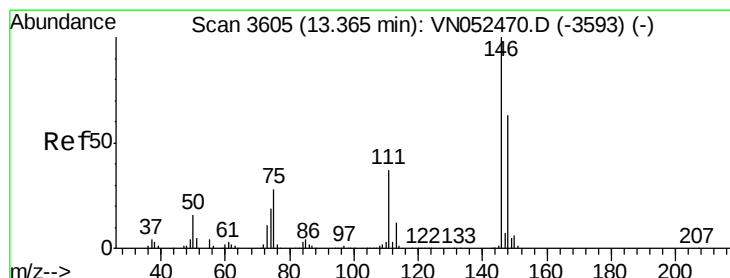
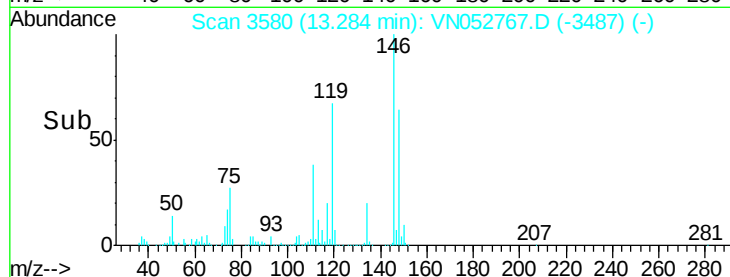
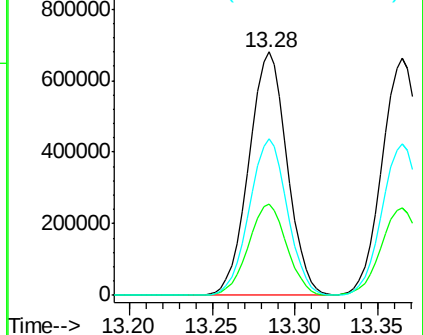
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.465 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

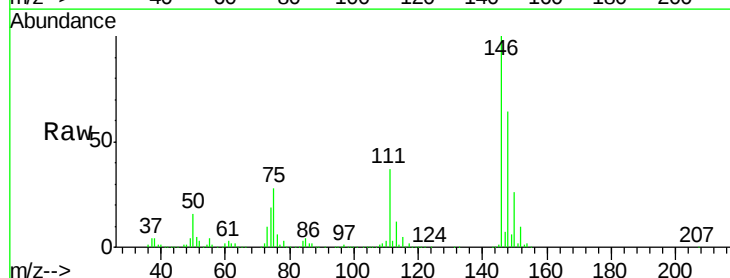
Tgt Ion:146 Resp: 1082325

Ion Ratio Lower Upper

146 100

111 37.0 18.6 56.0

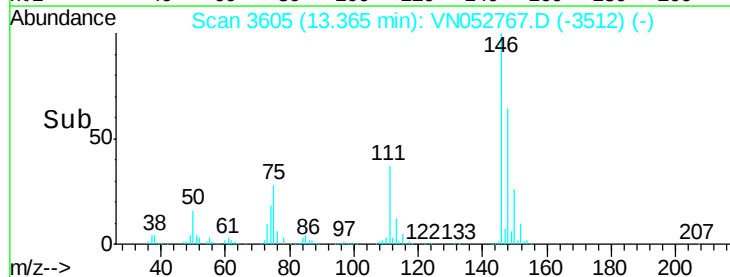
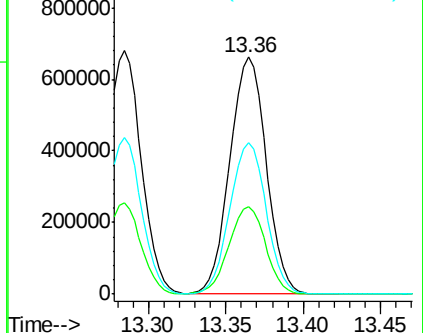
148 64.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





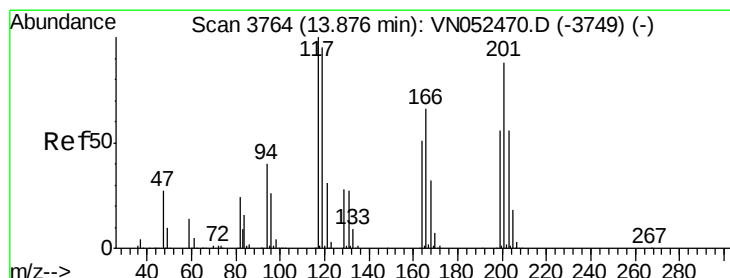
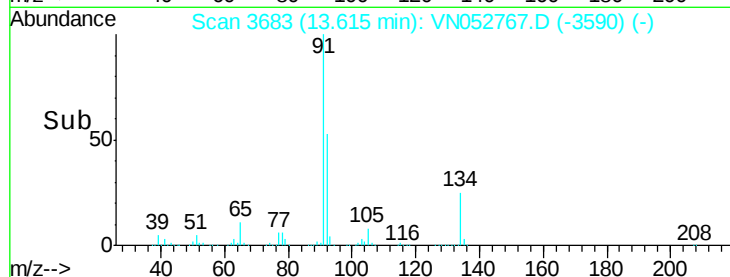
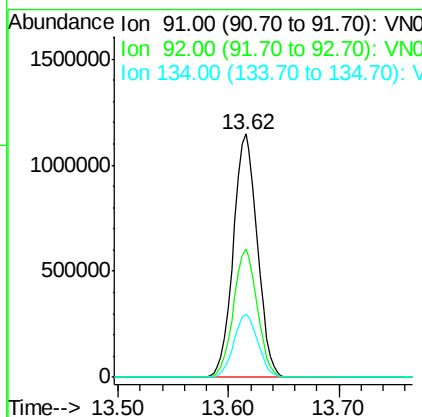
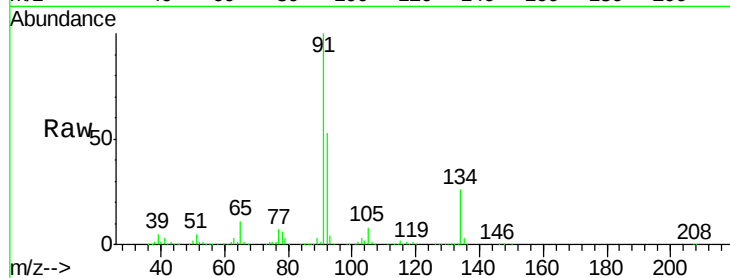
#89
n-Butylbenzene
Concen: 51.022 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.3
134	26.0	13.0	38.9

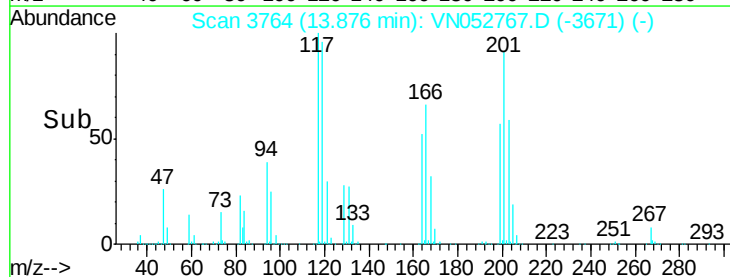
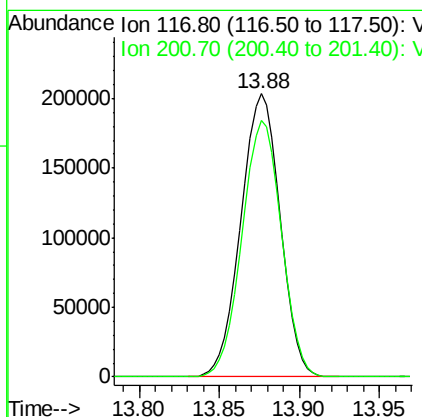
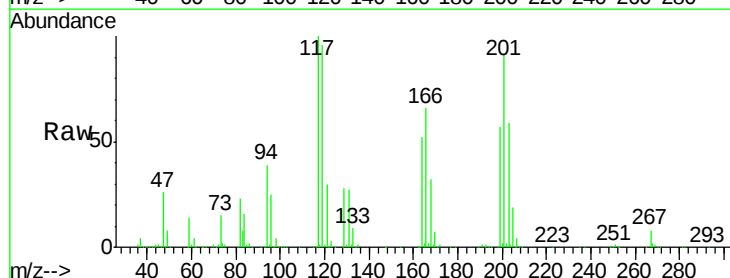
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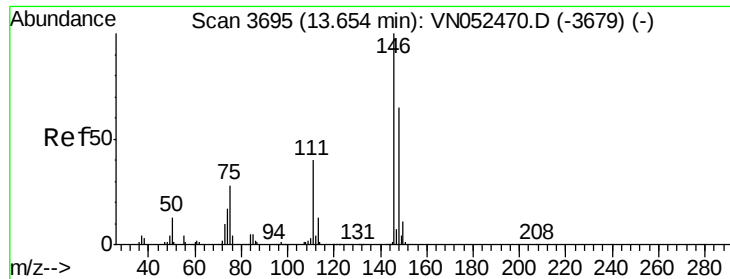
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#90
Hexachloroethane
Concen: 49.346 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052767.D
Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	43.6	130.9





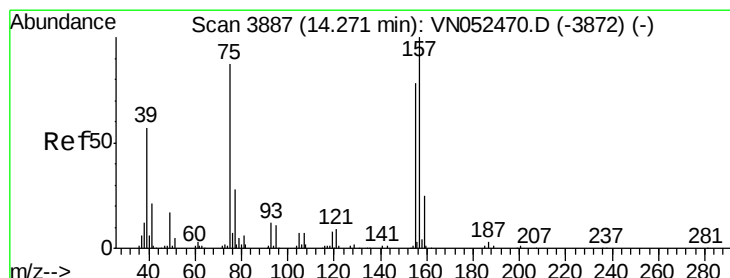
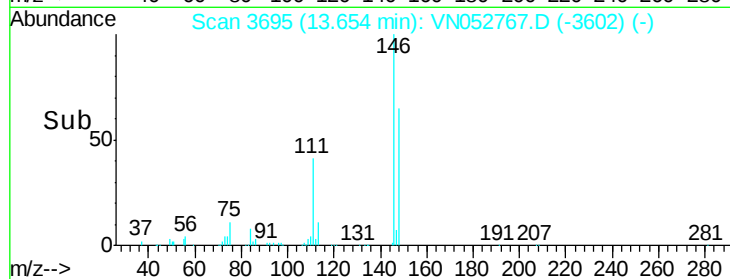
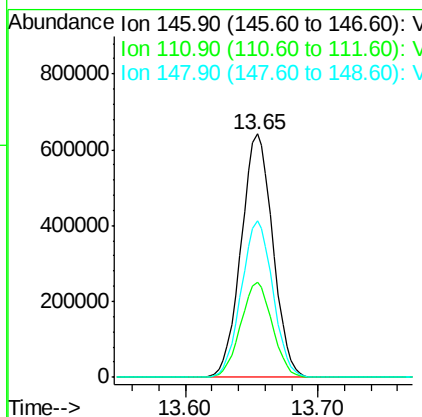
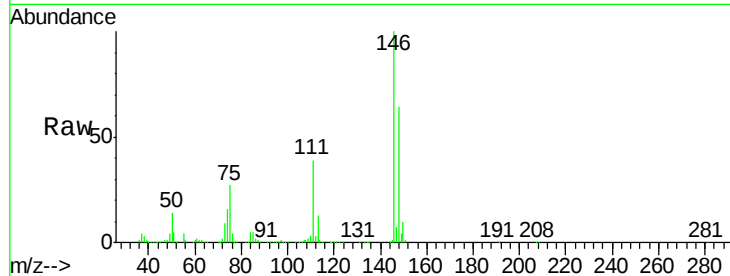
#91
 1,2-Dichlorobenzene
 Concen: 52.074 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	60.0
148	64.2	32.0	96.2

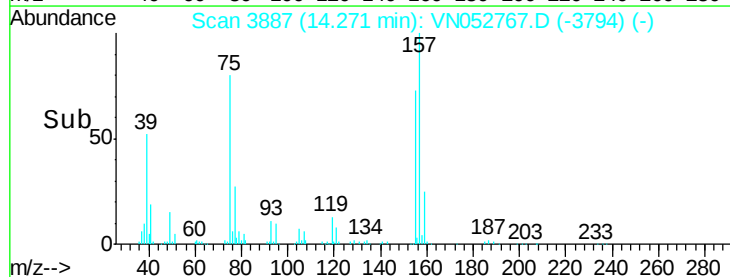
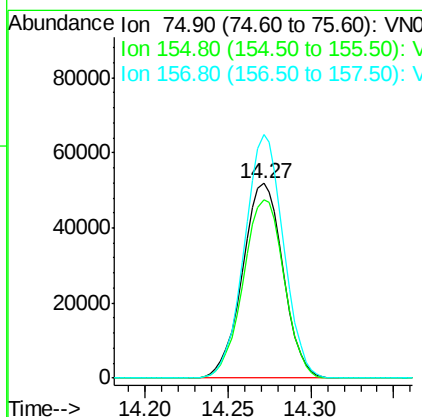
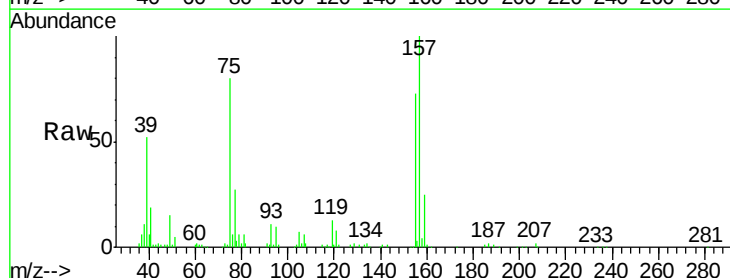
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.089 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	45.3	135.9
157	120.2	58.1	174.2





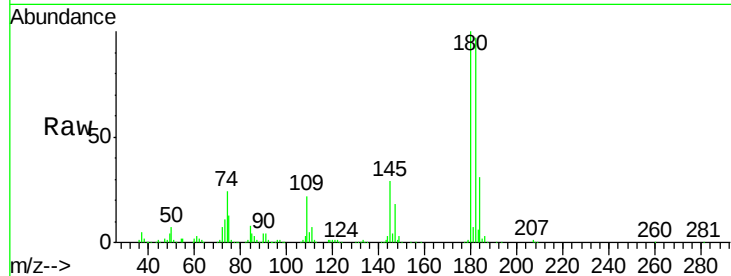
#93
 1,2,4-Trichlorobenzene
 Concen: 52.471 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

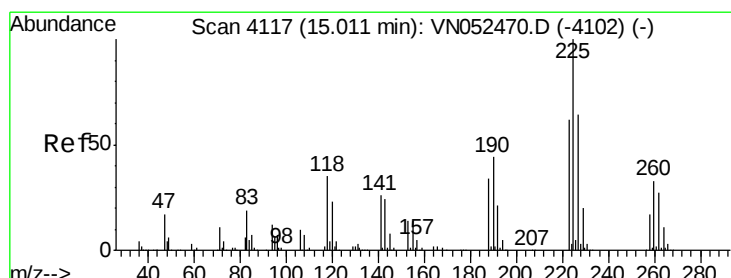
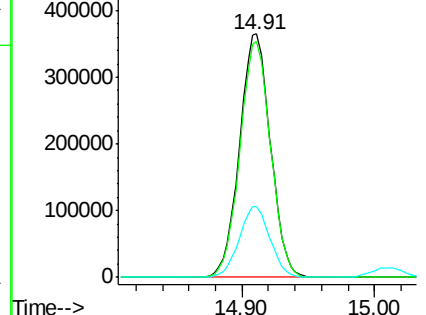
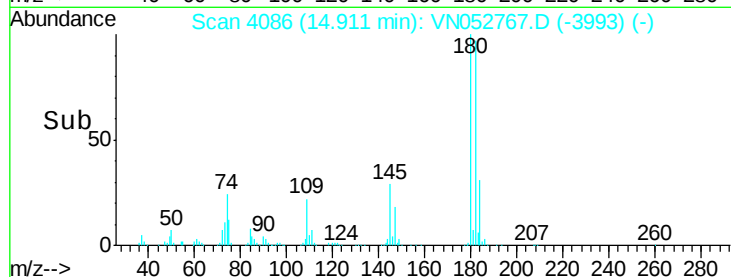
Tot Ion	Ratio	Resp	Lower	Upper
180	100	587975		
182	96.4	47.8	143.4	
145	29.0	14.1	42.3	

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:46:52 PM

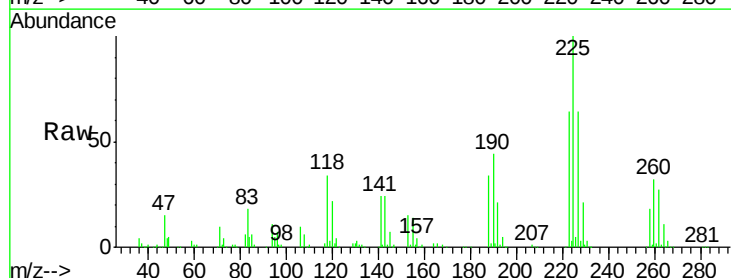


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

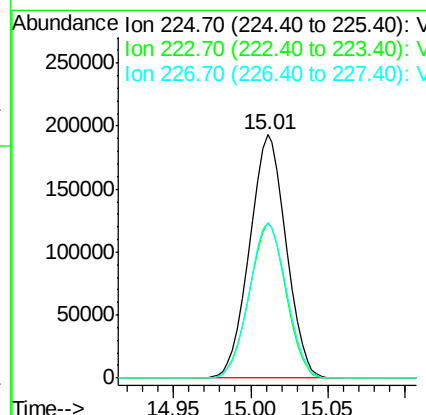
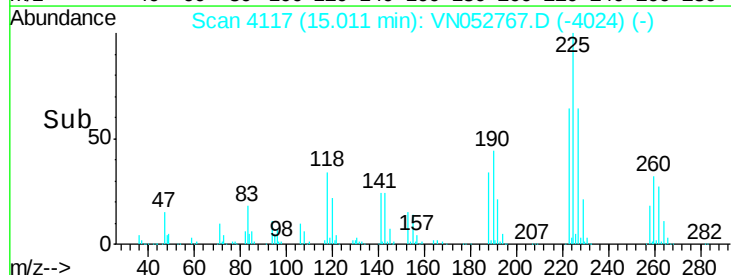


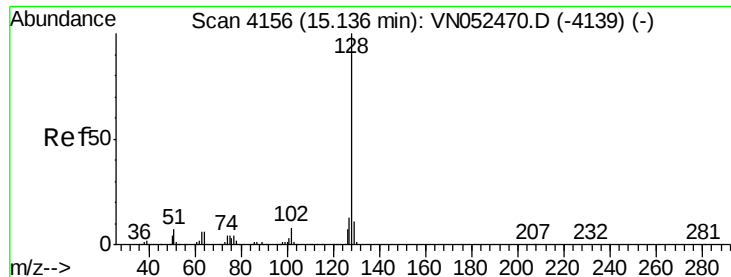
#94
 Hexachlorobutadiene
 Concen: 48.440 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052767.D
 Acq: 10 Dec 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	317870		
223	63.8	31.4	94.2	
227	65.1	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: 53.699 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1278955

Ion Ratio Lower Upper

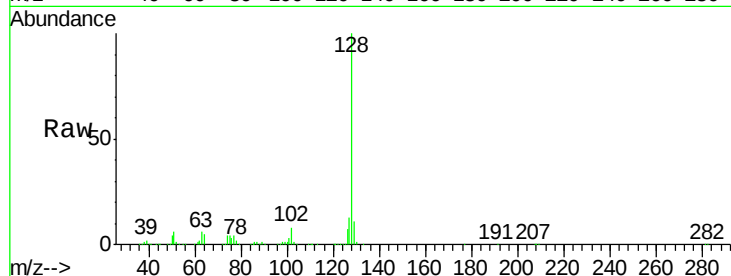
128 100

127 12.5 10.2 15.2

129 10.9 8.7 13.1

Manual Integrations
APPROVED

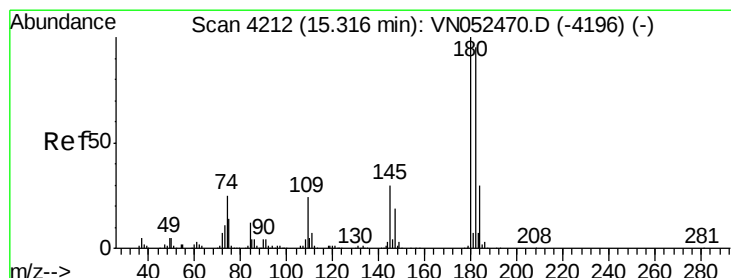
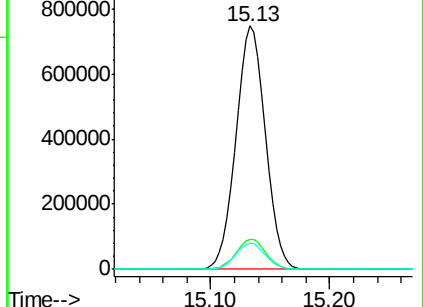
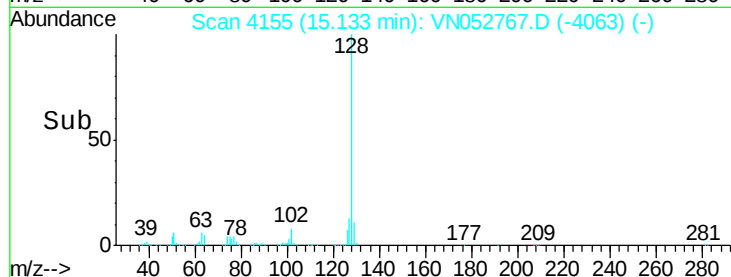
MMDadoda
12/11/2018 12:46:52 PM



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: 52.535 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052767.D

Acq: 10 Dec 2018 21:50

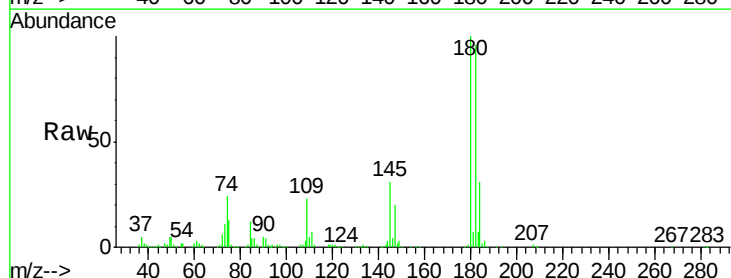
Tgt Ion:180 Resp: 541246

Ion Ratio Lower Upper

180 100

182 96.8 47.8 143.3

145 30.9 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

