

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052686.D
 Acq On : 5 Dec 2018 19:34
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/6/2018 9:09:06 AM

Quant Time: Dec 06 06:00:50 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	936513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1455429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1308739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	615075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	508417	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	457728	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1747660	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	610361	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	376676	42.956	ug/l	97
3) Chloromethane	2.06	50	498794	43.092	ug/l	100
4) Vinyl Chloride	2.19	62	522764	43.965	ug/l	100
5) Bromomethane	2.57	94	300767	40.540	ug/l	99
6) Chloroethane	2.71	64	316288	43.915	ug/l	100
7) Trichlorofluoromethane	3.02	101	689896	47.235	ug/l	99
8) Diethyl Ether	3.41	74	271393	50.317	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	436627	47.909	ug/l	99
10) Methyl Iodide	3.96	142	655250	53.981	ug/l	99
11) Tert butyl alcohol	4.78	59	128764	252.238	ug/l	98
12) 1,1-Dichloroethene	3.74	96	409245	46.650	ug/l	100
13) Acrolein	3.61	56	159219	179.457	ug/l	97
14) Allyl chloride	4.33	41	718919	47.548	ug/l	99
15) Acrylonitrile	4.99	53	840230	260.017	ug/l	100
16) Acetone	3.82	43	595974	221.590	ug/l	100
17) Carbon Disulfide	4.06	76	1098575	39.793	ug/l	99
18) Methyl Acetate	4.32	43	435666	56.471	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1202170	51.505	ug/l	98
20) Methylene Chloride	4.55	84	492270	46.772	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	441768	47.150	ug/l	96
22) Diisopropyl ether	5.95	45	1557499	49.041	ug/l	98
23) Vinyl Acetate	5.90	43	4842352	244.792	ug/l	99
24) 1,1-Dichloroethane	5.85	63	877010	48.364	ug/l	100
25) 2-Butanone	6.83	43	952827	249.945	ug/l	99
26) 2,2-Dichloropropane	6.83	77	610578	48.646	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	533576	48.888	ug/l	98
28) Bromochloromethane	7.20	49	418869	50.573	ug/l	96
29) Tetrahydrofuran	7.21	42	620001	252.155	ug/l	98
30) Chloroform	7.37	83	872694	48.237	ug/l	99
31) Cyclohexane	7.65	56	776756	44.214	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	714601	49.853	ug/l	98
36) 1,1-Dichloropropene	7.79	75	652237	47.456	ug/l	99
37) Ethyl Acetate	6.93	43	412121	49.133	ug/l	99
38) Carbon Tetrachloride	7.78	117	613871	49.339	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	766359	45.875	ug/l	98
40) Benzene	8.04	78	1990240	48.590	ug/l	100
41) Methacrylonitrile	7.17	41	246389	53.730	ug/l	96
42) 1,2-Dichloroethane	8.12	62	622962	50.230	ug/l	99
43) Isopropyl Acetate	8.16	43	765205	53.907	ug/l #	88
44) Trichloroethene	8.83	130	519461	49.511	ug/l	98
45) 1,2-Dichloropropane	9.12	63	539228	49.517	ug/l	99
46) Dibromomethane	9.21	93	310152	51.449	ug/l	100
47) Bromodichloromethane	9.40	83	662742	50.565	ug/l	100
48) Methyl methacrylate	9.20	41	384910	52.004	ug/l	98
49) 1,4-Dioxane	9.20	88	77238	1005.497	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2126542	267.010	ug/l	99
52) Toluene	10.16	92	1221201	50.181	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	668123	52.988	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	779476	51.586	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	450179	52.589	ug/l	100
56) Ethyl methacrylate	10.43	69	588955	49.571	ug/l	99
57) 1,3-Dichloropropane	10.71	76	767563	50.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1672518	269.259	ug/l	99
59) 2-Hexanone	10.75	43	1422733	266.168	ug/l	99
60) Dibromochloromethane	10.90	129	499491	53.724	ug/l	99
61) 1,2-Dibromoethane	11.01	107	443404	52.152	ug/l	99
64) Tetrachloroethene	10.63	164	546838	53.891	ug/l	98
65) Chlorobenzene	11.43	112	1344228	49.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	482387	51.410	ug/l	100
67) Ethyl Benzene	11.51	91	2358179	49.901	ug/l	100
68) m/p-Xylenes	11.62	106	1768916	100.548	ug/l	99
69) o-Xylene	11.95	106	870164	50.934	ug/l	99
70) Styrene	11.96	104	1425444	52.385	ug/l	99
71) Bromoform	12.13	173	340444	54.797	ug/l #	99
73) Isopropylbenzene	12.25	105	2319854	48.074	ug/l	99
74) N-amyl acetate	12.07	43	641780	52.642	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	531642	48.431	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	454237m	47.891	ug/l	
77) Bromobenzene	12.53	156	587771	49.278	ug/l	98
78) n-propylbenzene	12.59	91	2664875	48.610	ug/l	100
79) 2-Chlorotoluene	12.68	91	1553225	47.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1875021	48.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	149264	52.555	ug/l	99
82) 4-Chlorotoluene	12.77	91	1572169	47.783	ug/l	99
83) tert-Butylbenzene	12.99	119	1673034	48.761	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1900109	49.264	ug/l	100
85) sec-Butylbenzene	13.17	105	2259275	48.345	ug/l	99
86) p-Isopropyltoluene	13.29	119	1950723	49.009	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1018109	48.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1004229	48.865	ug/l	100
89) n-Butylbenzene	13.62	91	1637131	49.456	ug/l	99
90) Hexachloroethane	13.88	117	326428	48.434	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1007719	50.554	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81391	51.841	ug/l	95

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QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	517191	47.512	ug/l	100
94) Hexachlorobutadiene	15.01	225	308162	48.055	ug/l	99
95) Naphthalene	15.13	128	1083503	47.009	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	484430	48.346	ug/l	100

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

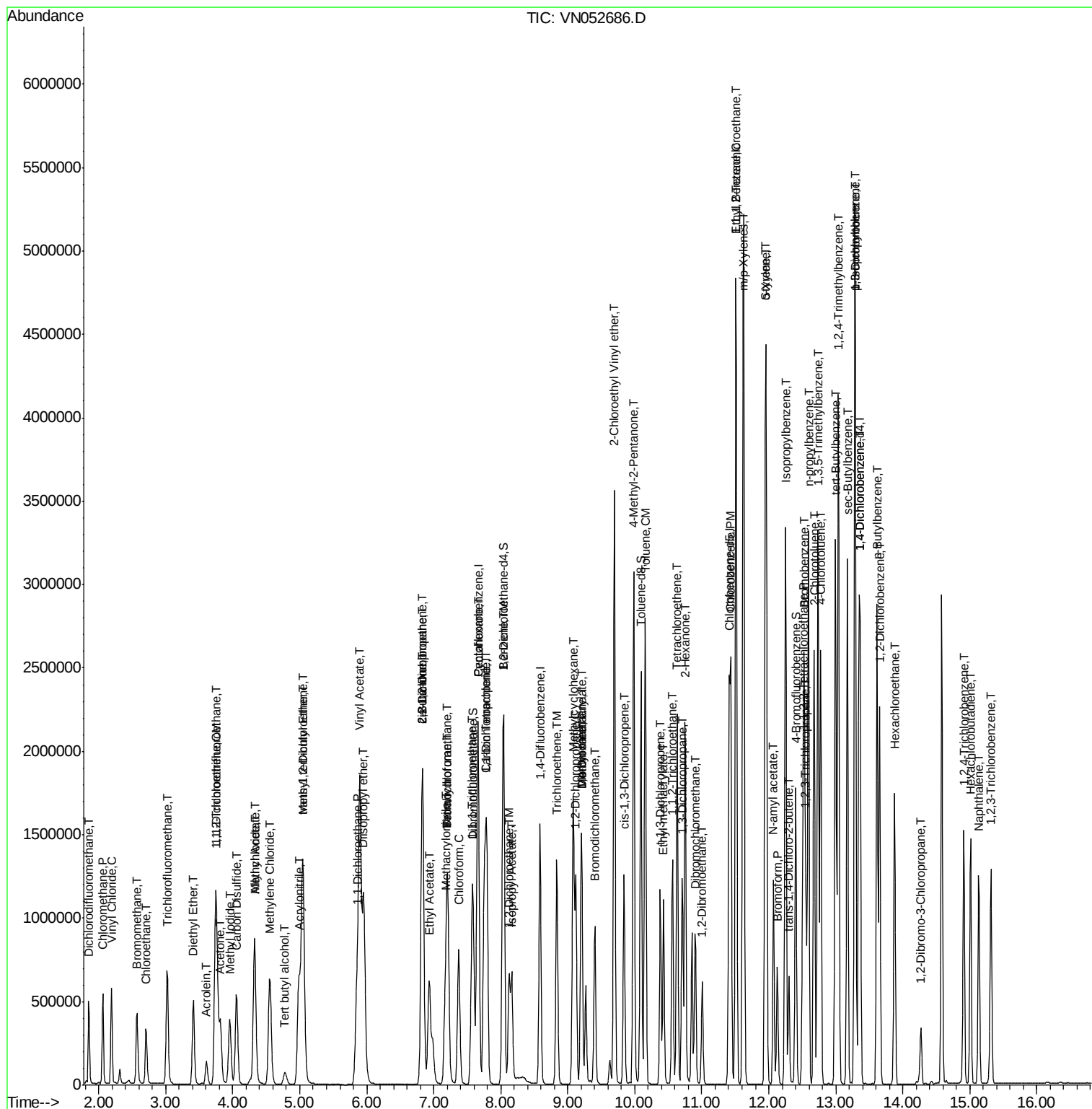
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Data File : VN052686.D
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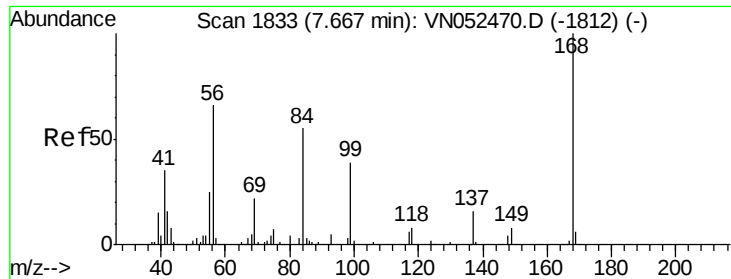
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 936513

Ion Ratio Lower Upper

168 100

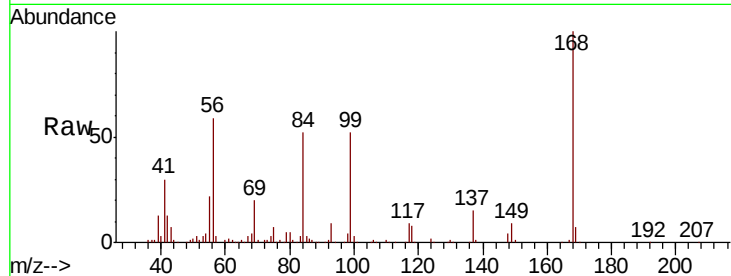
99 52.0 41.7 62.5

Manual Integrations

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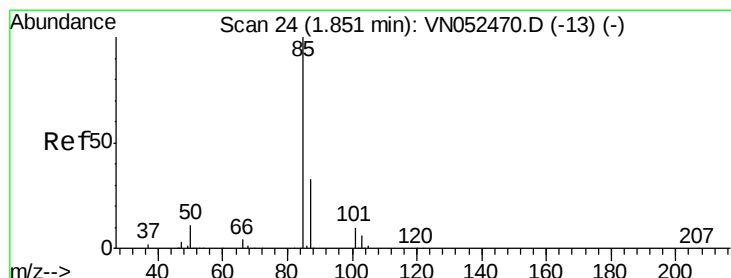
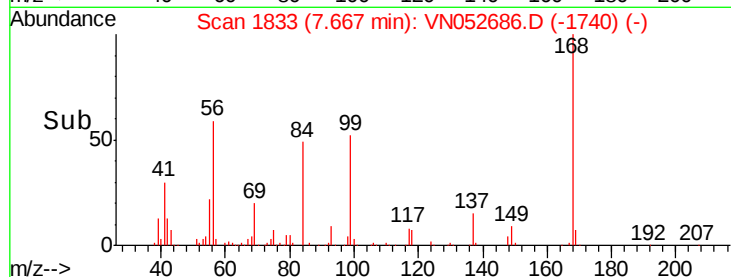
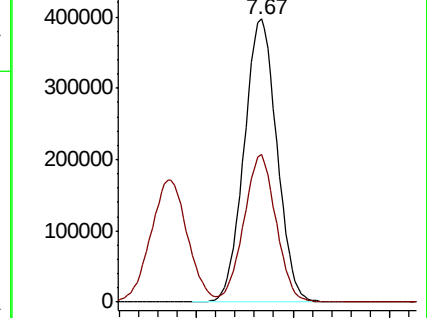
MMDadoda

12/6/2018 9:09:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.956 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052686.D

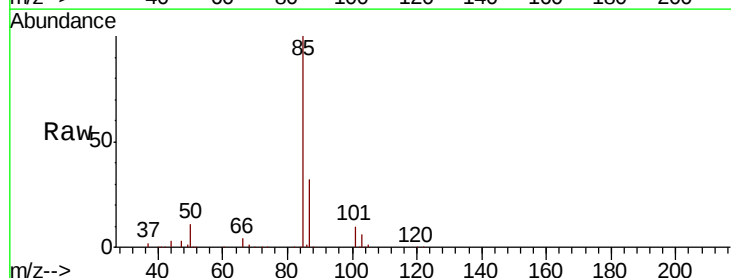
Acq: 5 Dec 2018 19:34

Tgt Ion: 85 Resp: 376676

Ion Ratio Lower Upper

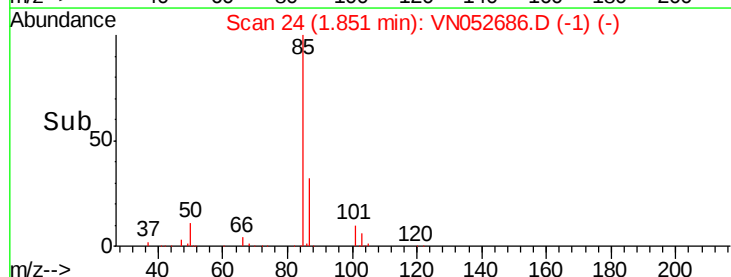
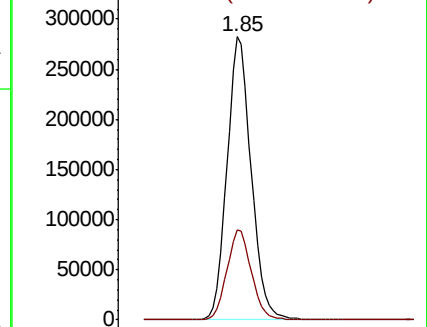
85 100

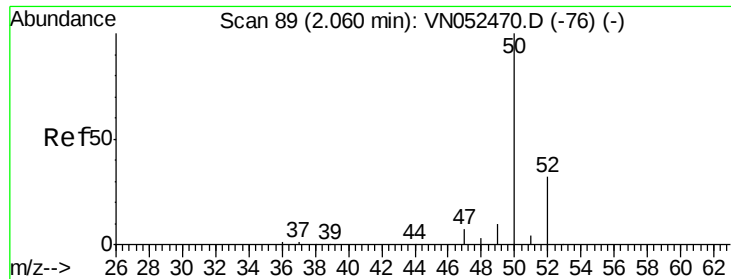
87 31.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.092 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Tot Ion: 50 Resp: 498794

Ion Ratio Lower Upper

50 100

52 32.7 25.9 38.9

Instrument :

MSVOA_N

ClientSampleId :

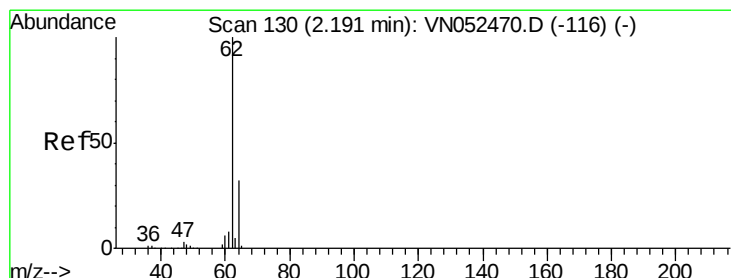
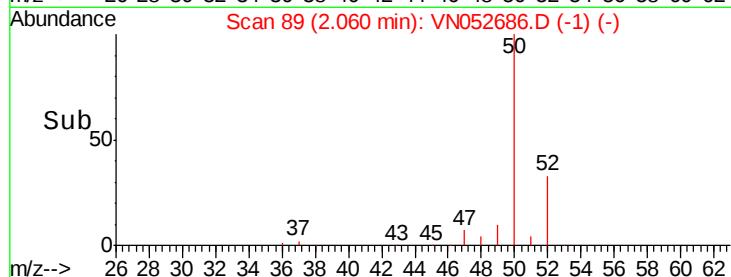
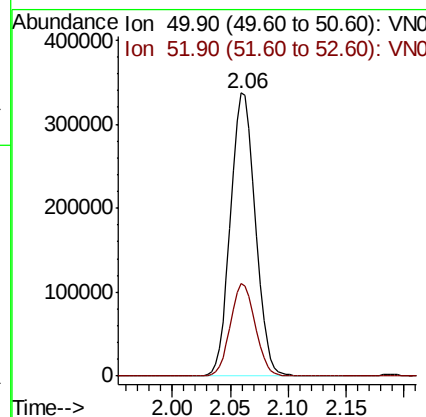
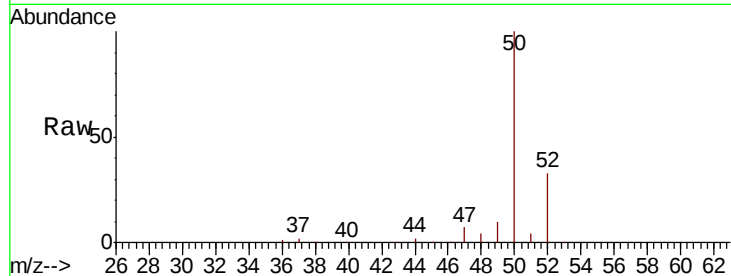
VSTDCCC050EC

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.965 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052686.D

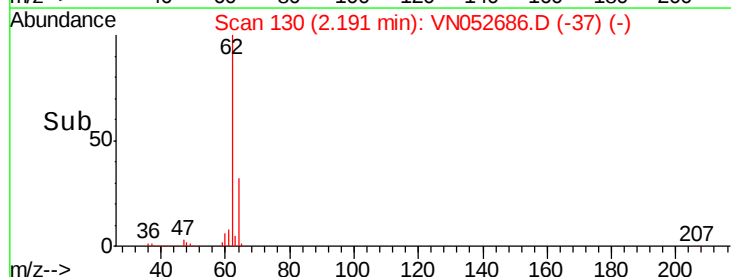
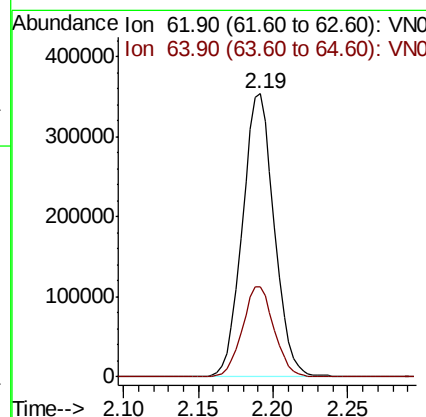
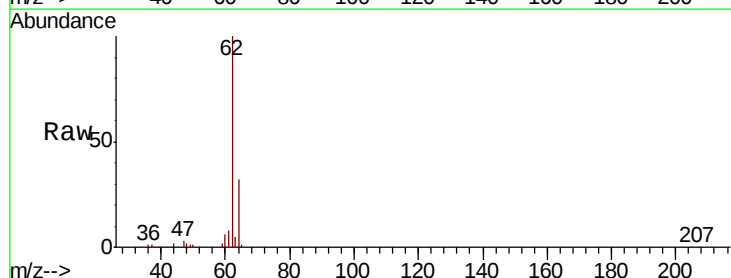
Acq: 5 Dec 2018 19:34

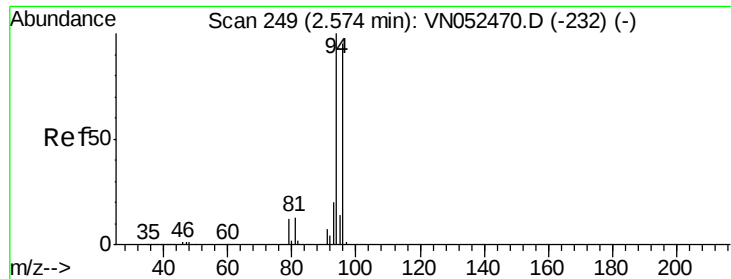
Tgt Ion: 62 Resp: 522764

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 40.540 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 300767

Ion Ratio Lower Upper

94 100

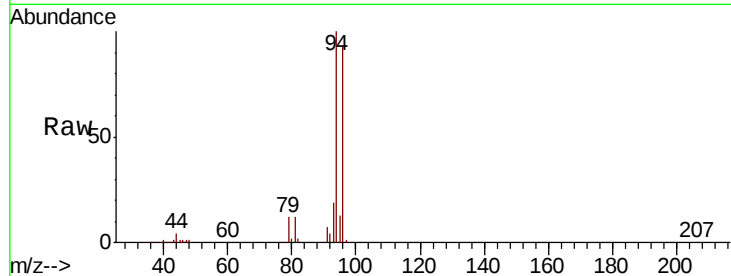
96 93.4 75.8 113.8

Manual Integrations

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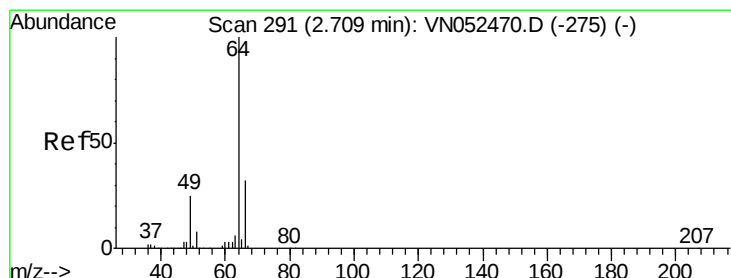
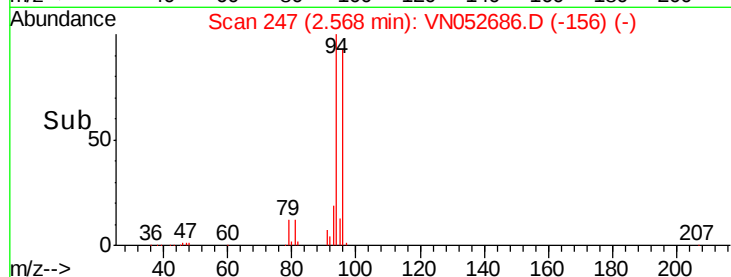
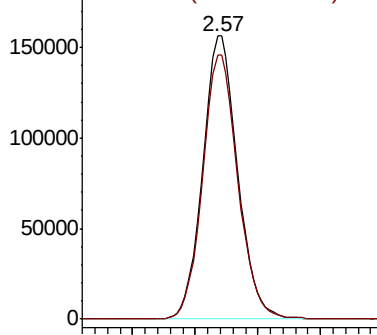
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.915 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052686.D

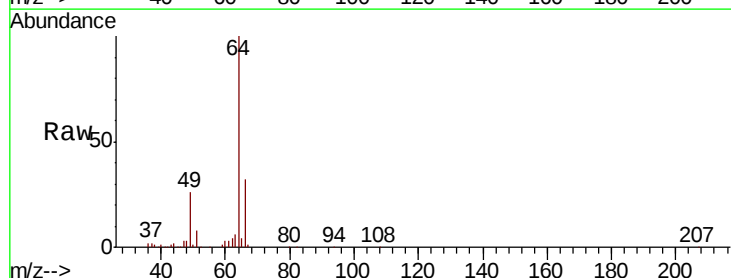
Acq: 5 Dec 2018 19:34

Tgt Ion: 64 Resp: 316288

Ion Ratio Lower Upper

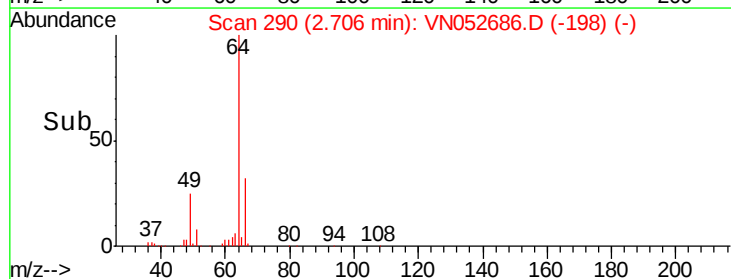
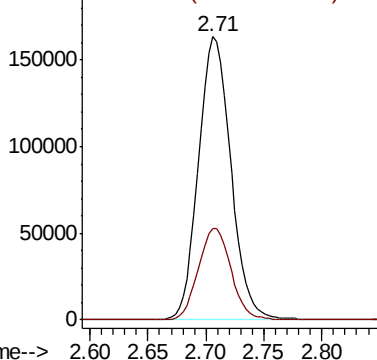
64 100

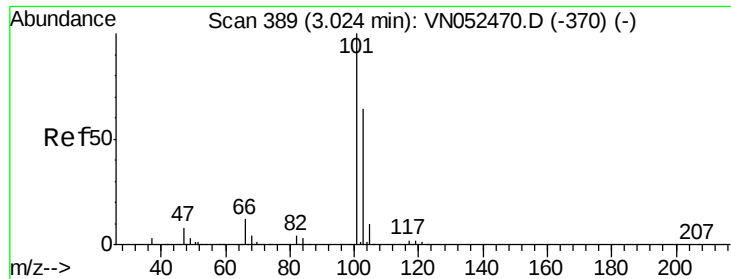
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

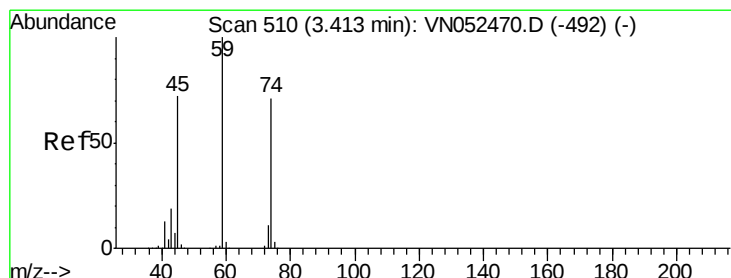
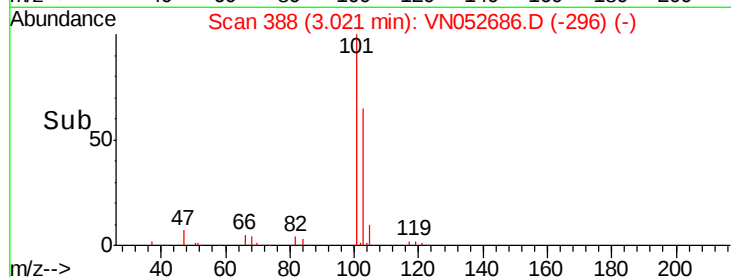
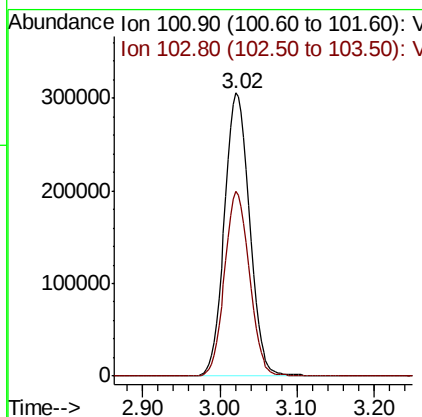
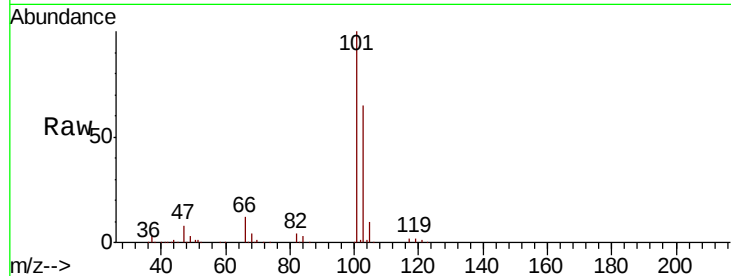
Trichlorofluoromethane
 Concen: 47.235 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.2

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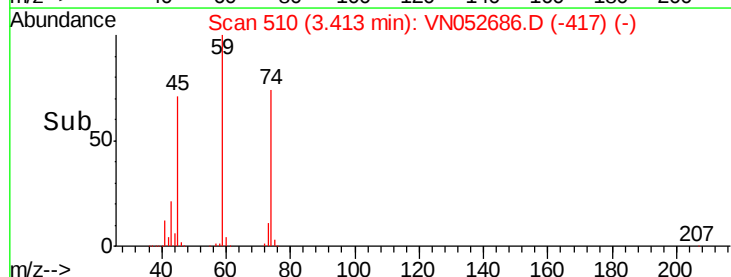
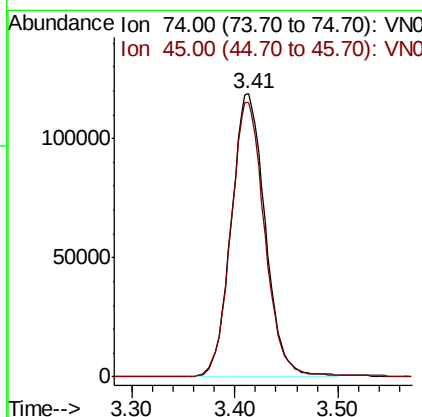
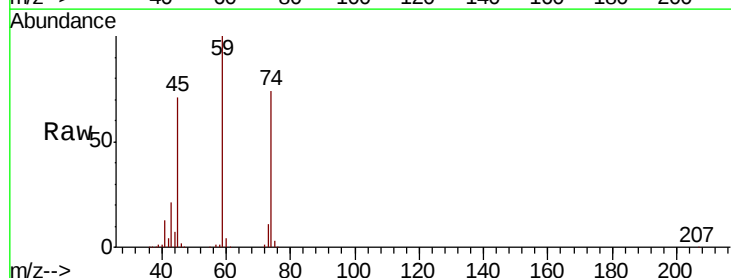
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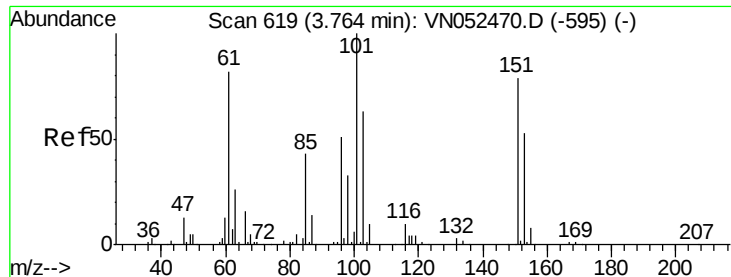


#8

Diethyl Ether
 Concen: 50.317 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.909 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

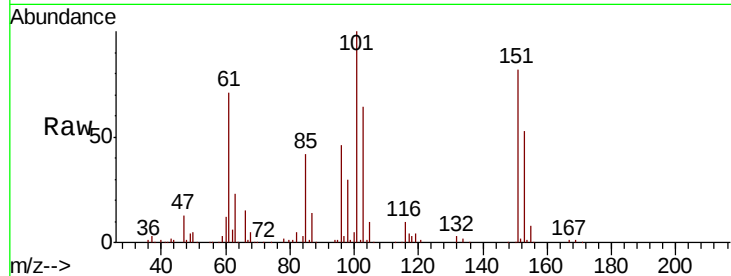
ClientSampleId :

VSTDCCC050EC

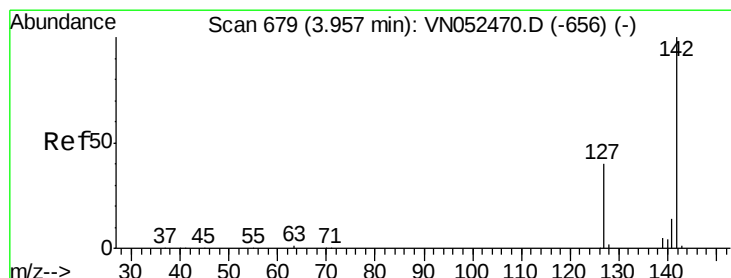
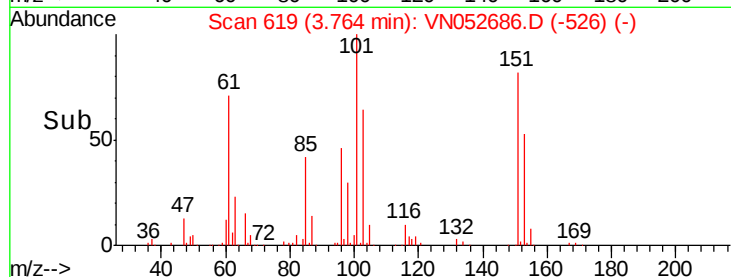
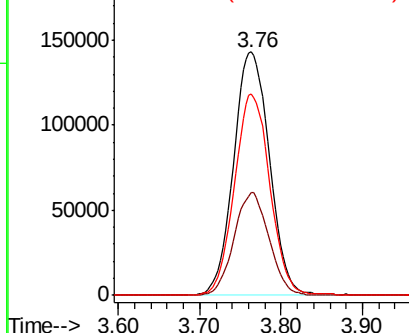
Tot Ion:	101	Resp:	436627
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.2	51.4
151	81.3	64.6	96.8

Manual Integrations
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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: 53.981 ug/l

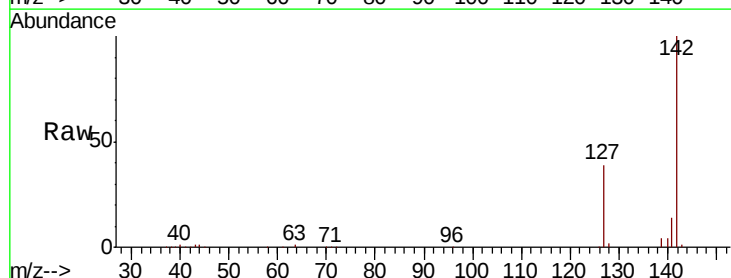
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

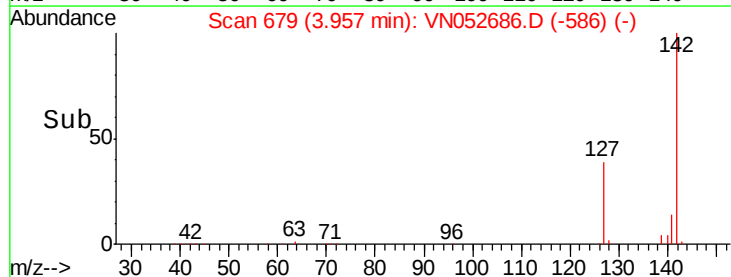
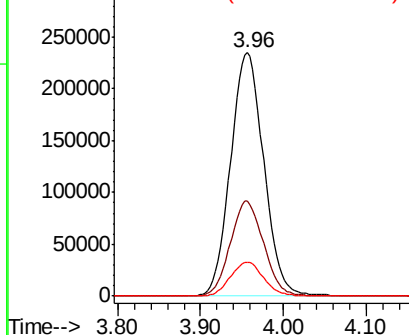
Lab File: VN052686.D

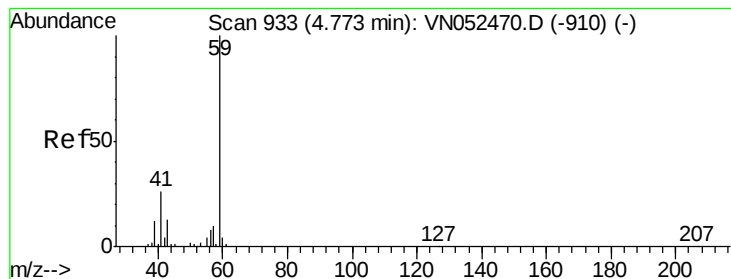
Acq: 5 Dec 2018 19:34

Tgt Ion:	142	Resp:	655250
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.8	47.6
141	13.9	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

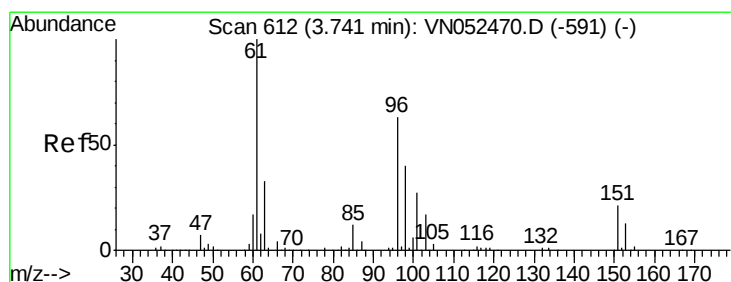
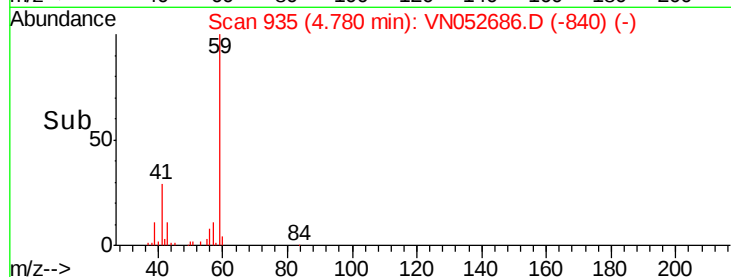
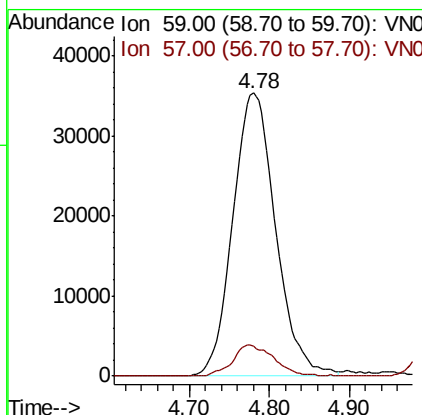
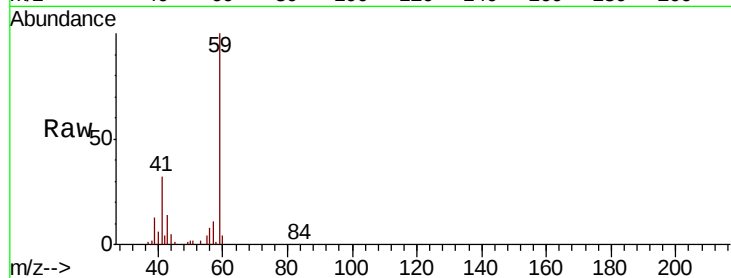
Tert butyl alcohol
Concen: 252.238 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.9	11.9

Manual Integrations
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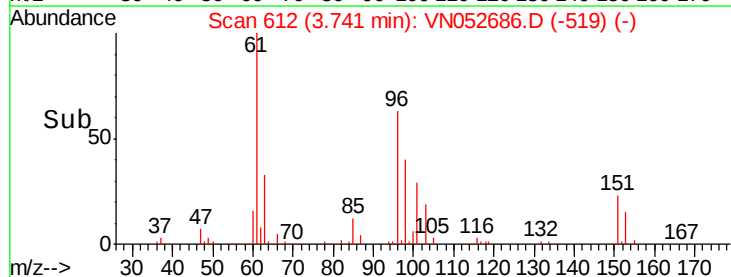
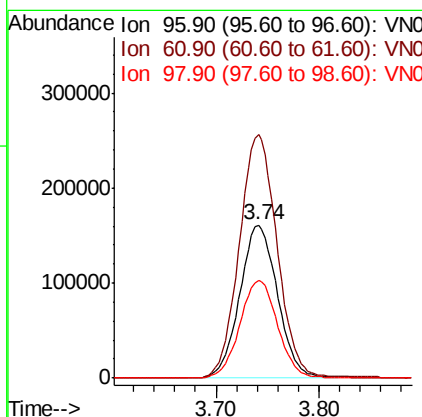
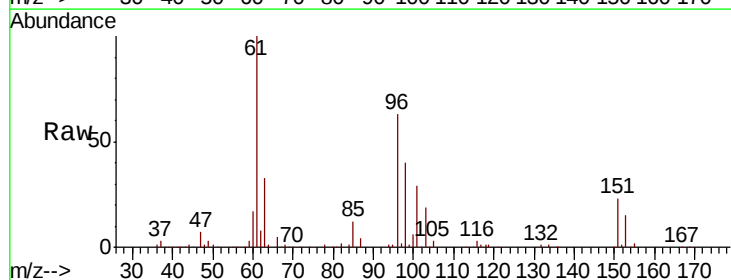
MMDadoda
12/6/2018 9:09:06 AM

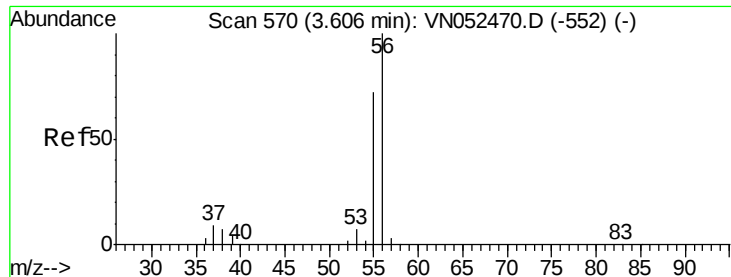


#12

1,1-Dichloroethene
Concen: 46.650 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.1	127.0	190.6
98	63.7	50.3	75.5





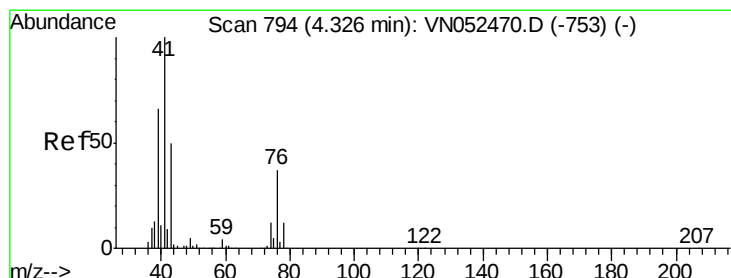
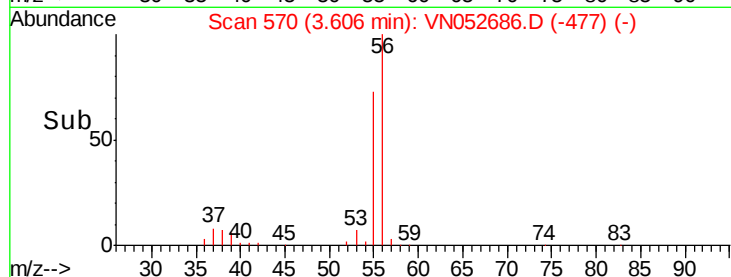
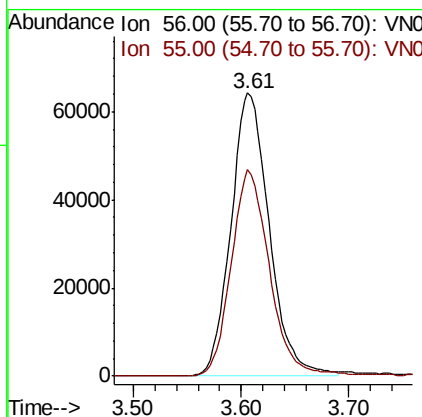
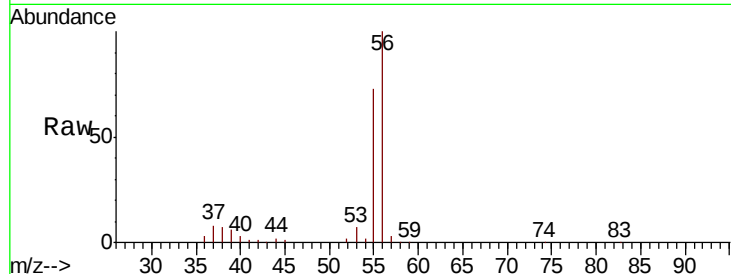
#13
Acrolein
Concen: 179.457 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.2	56.8	85.2

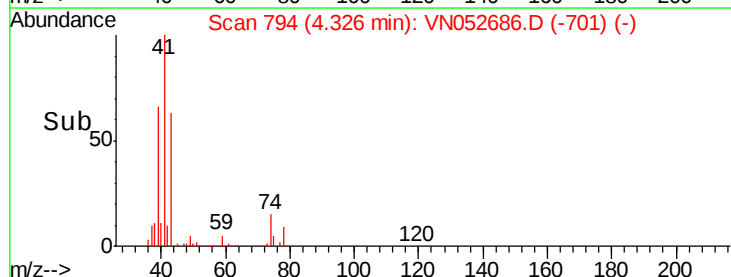
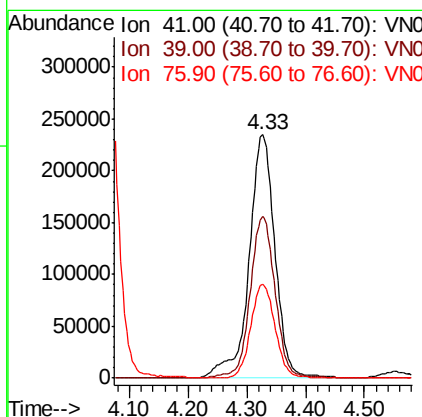
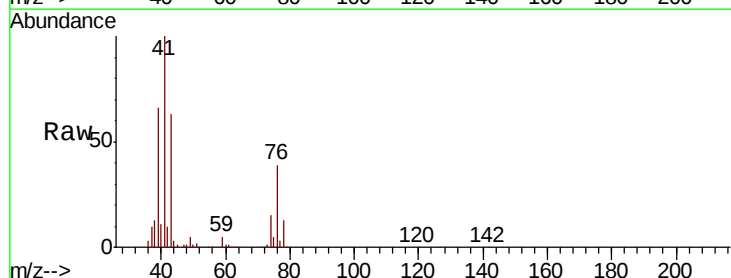
Manual Integrations
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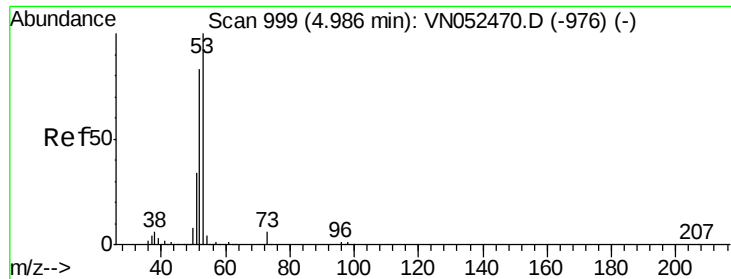
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12/6/2018 9:09:06 AM



#14
Allyl chloride
Concen: 47.548 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.2	50.6	76.0
76	35.3	27.4	41.2





#15

Acrylonitrile

Concen: 260.017 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

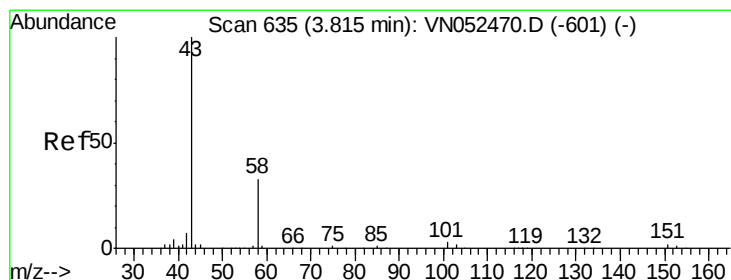
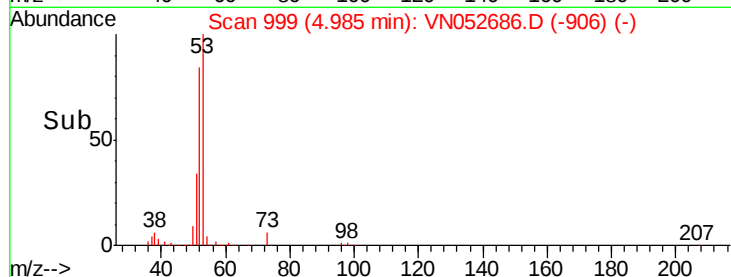
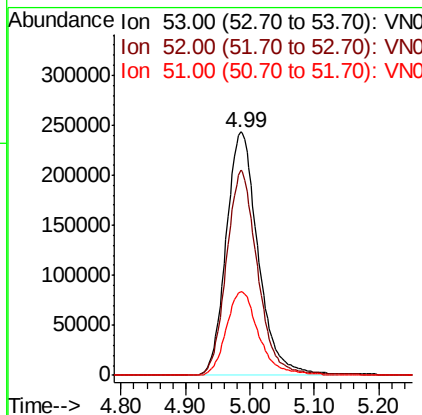
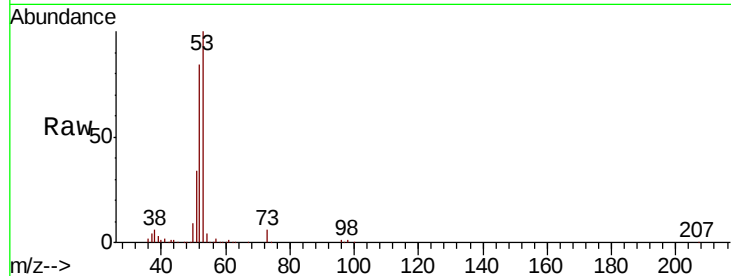
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	840230
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	35.2	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 221.590 ug/l

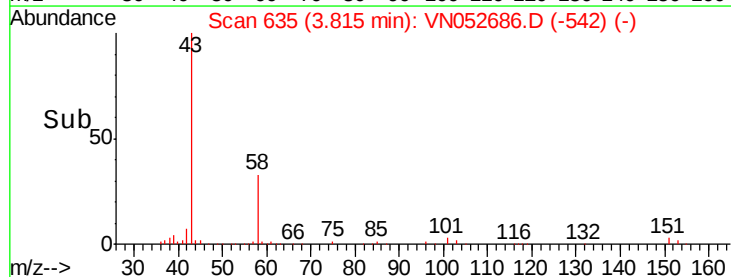
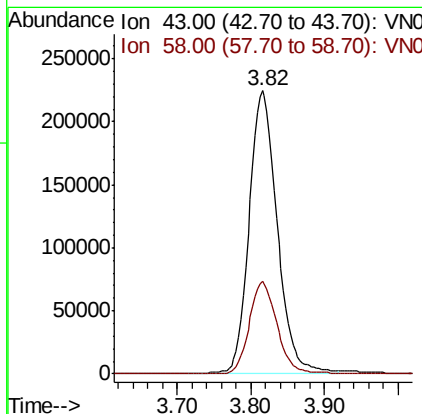
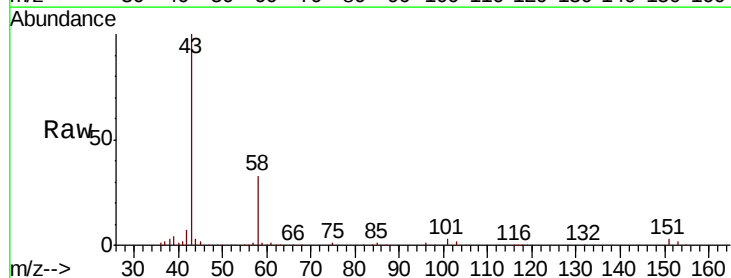
RT: 3.82 min Scan# 635

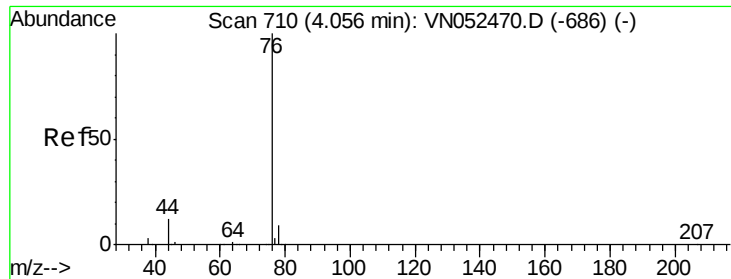
Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Tgt Ion:	43	Resp:	595974
Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.0	39.0





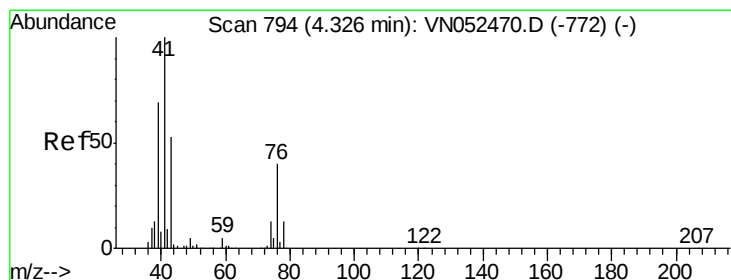
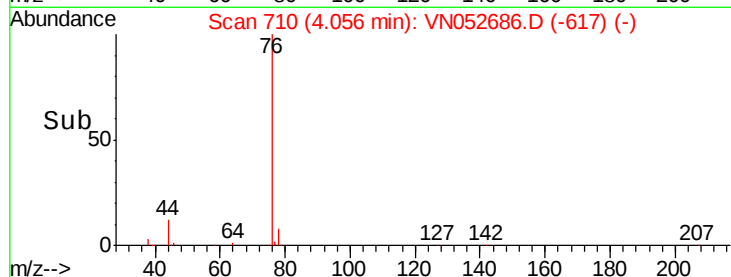
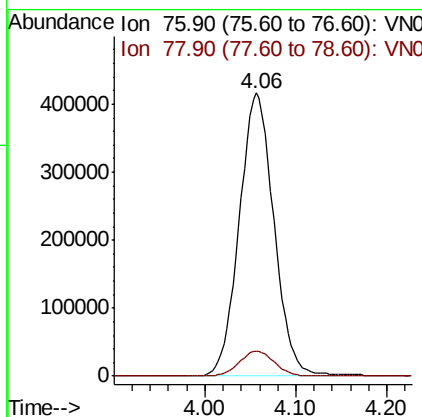
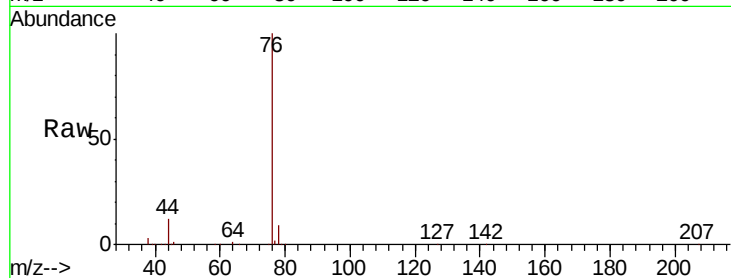
#17
Carbon Disulfide
Concen: 39.793 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1098575
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

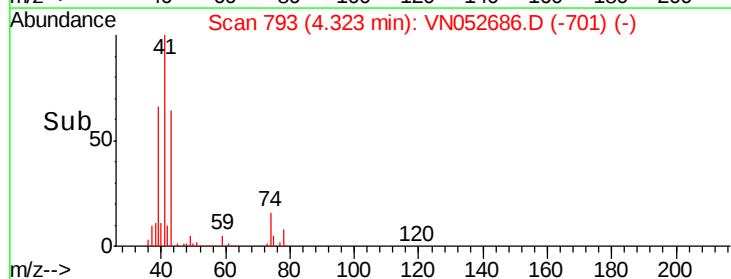
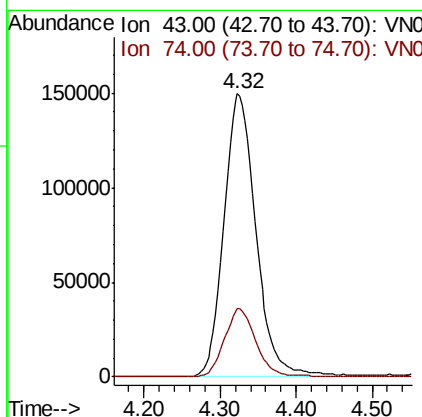
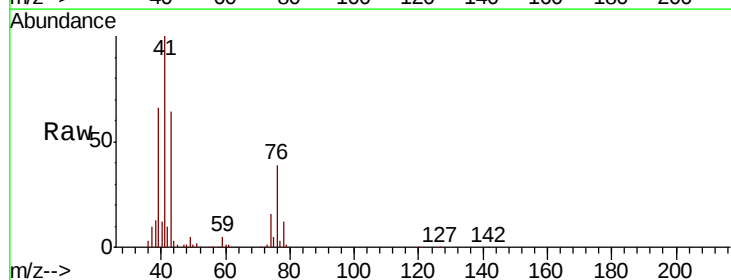
Manual Integrations
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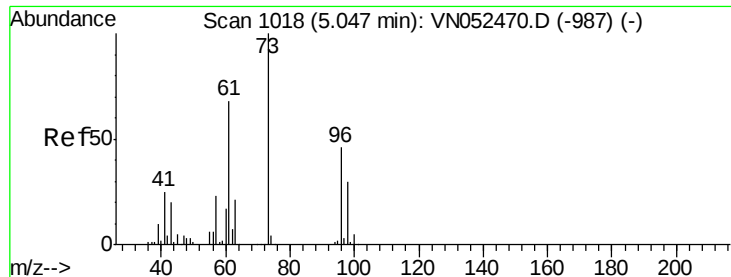
MMDadoda
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#18
Methyl Acetate
Concen: 56.471 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 43 Resp: 435666
Ion Ratio Lower Upper
43 100
74 23.7 18.6 27.8





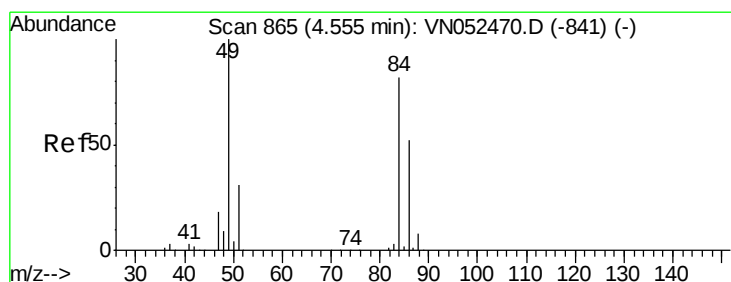
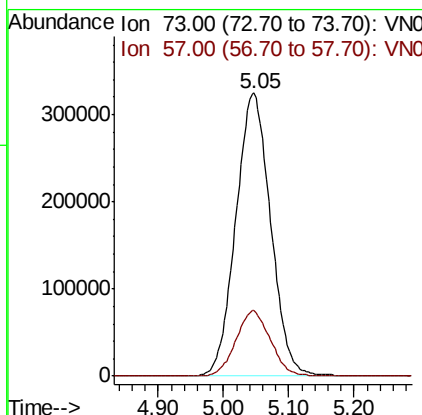
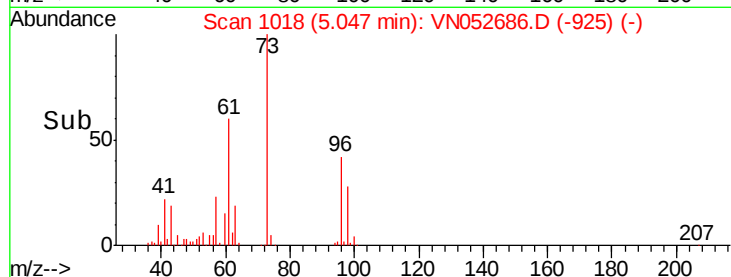
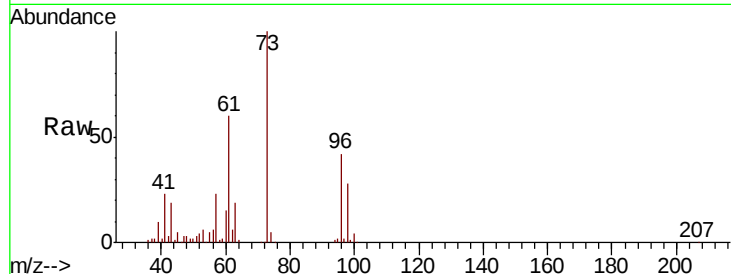
#19
Methvl tert-butvl Ether
Concen: 51.505 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1202170
Ion Ratio Lower Upper
73 100
57 23.5 18.2 27.2

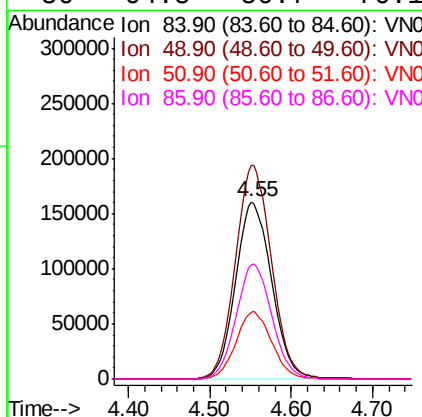
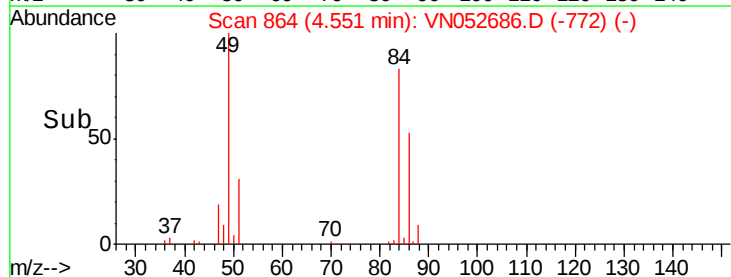
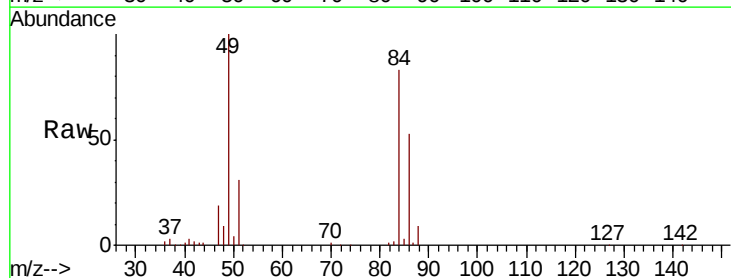
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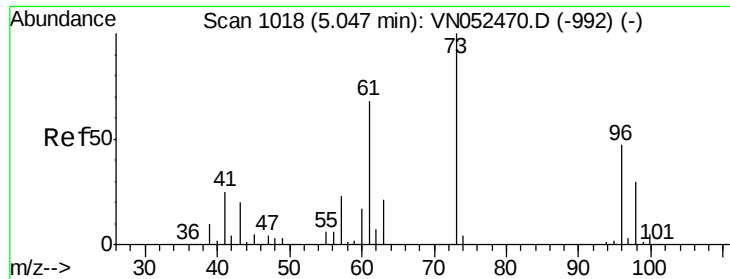
MMDadoda
12/6/2018 9:09:06 AM



#20
Methylene Chloride
Concen: 46.772 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 84 Resp: 492270
Ion Ratio Lower Upper
84 100
49 120.6 98.0 147.0
51 38.0 30.1 45.1
86 64.5 50.7 76.1





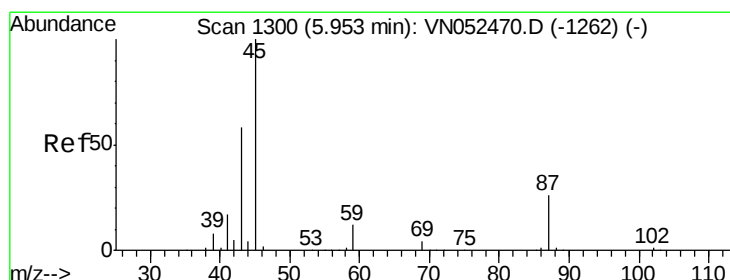
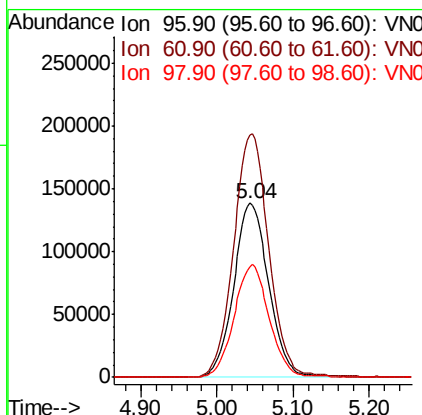
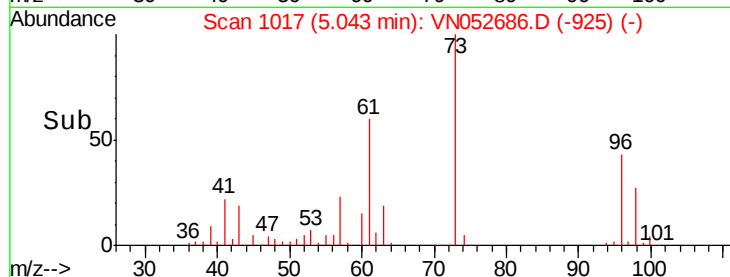
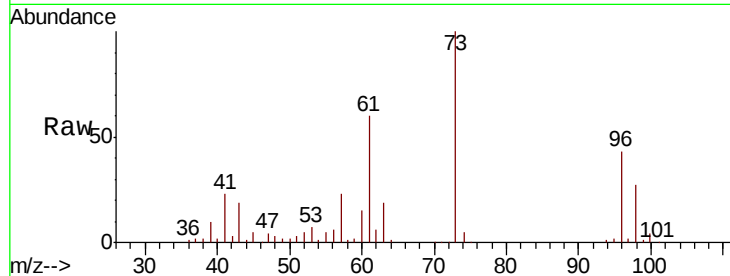
#21
trans-1,2-Dichloroethene
Concen: 47.150 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	117.0	175.4
98	63.5	51.8	77.6

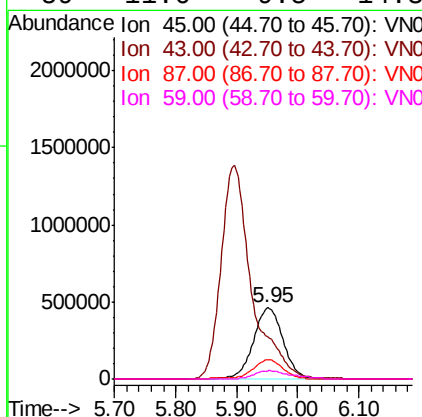
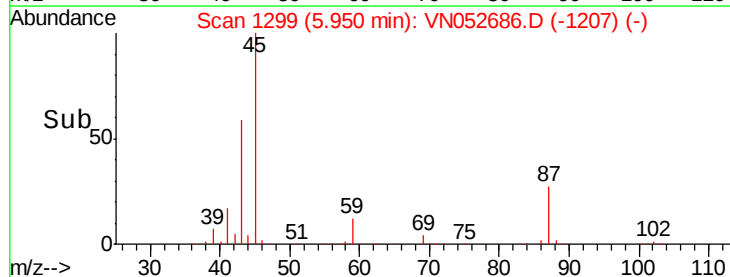
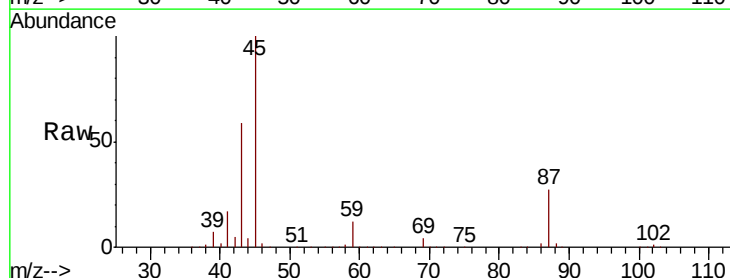
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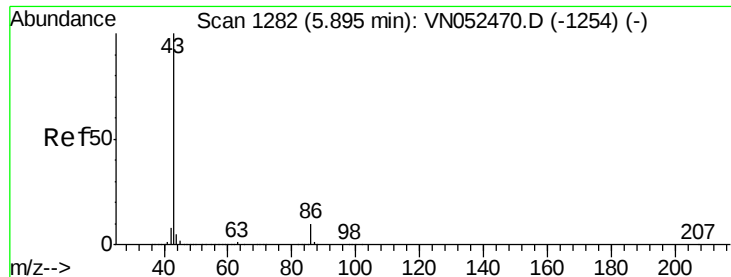
MMDadoda
12/6/2018 9:09:06 AM



#22
Diisopropyl ether
Concen: 49.041 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.1	69.1
87	27.3	21.3	31.9
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 244.792 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Tot Ion: 43 Resp: 4842352

Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8

Instrument :

MSVOA_N

ClientSampleId :

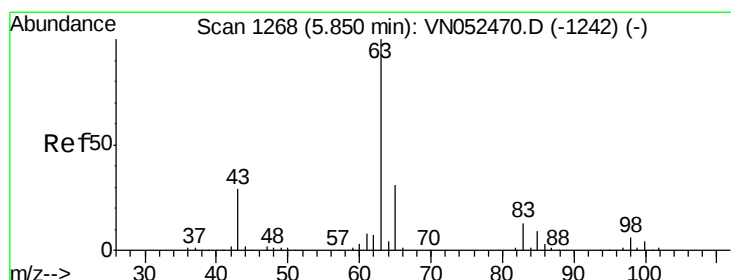
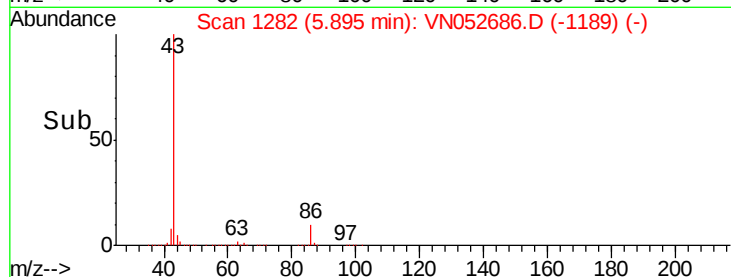
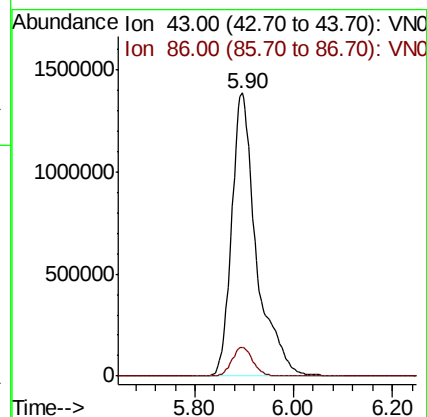
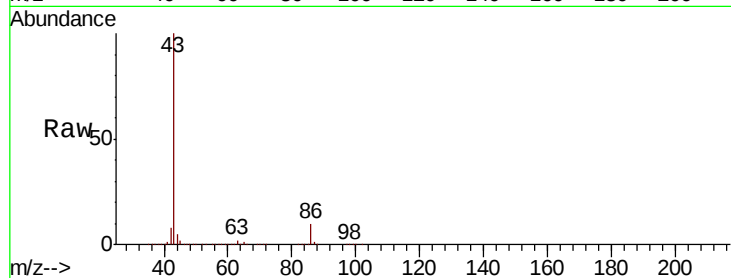
VSTDCCC050EC

Manual Integrations

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MMDadoda

12/6/2018 9:09:06 AM



#24

1,1-Dichloroethane

Concen: 48.364 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

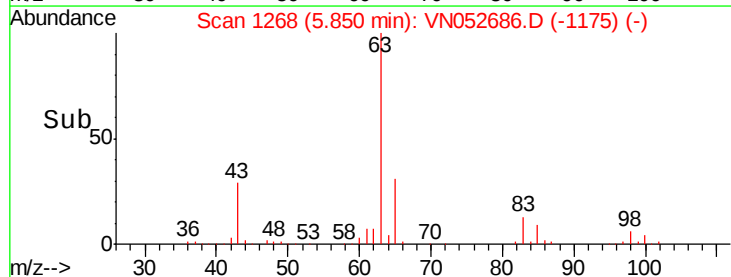
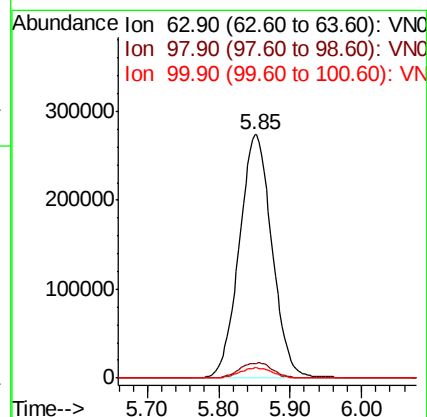
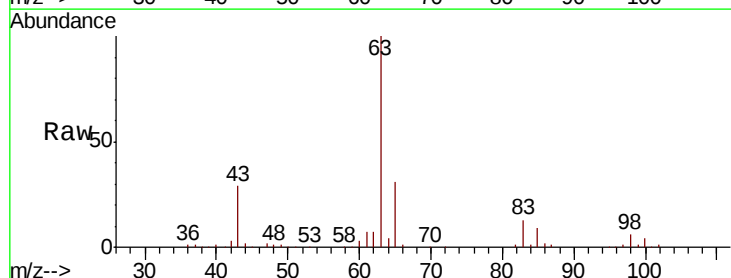
Tgt Ion: 63 Resp: 877010

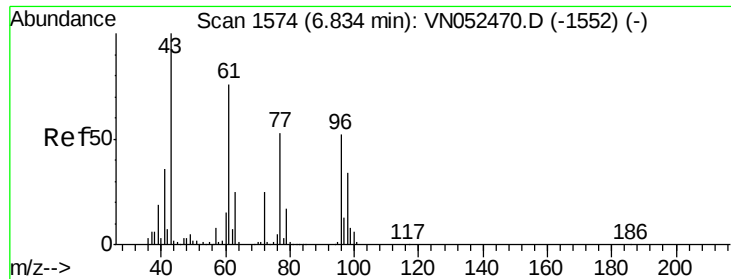
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 4.2 2.0 5.8





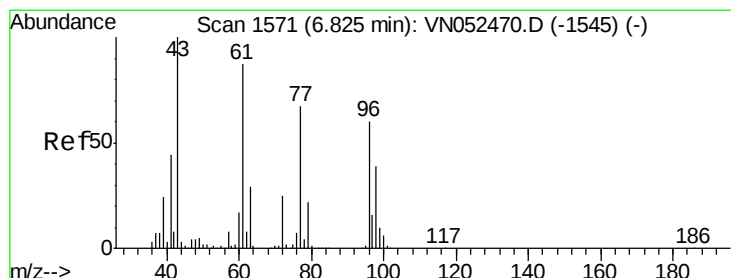
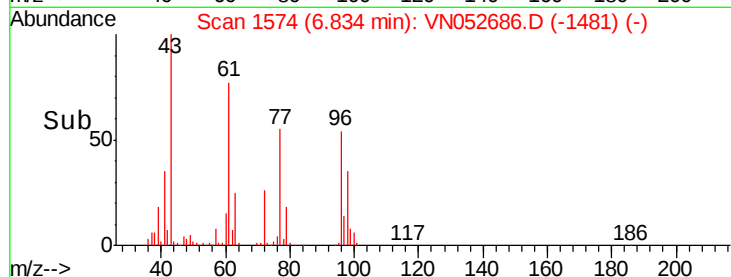
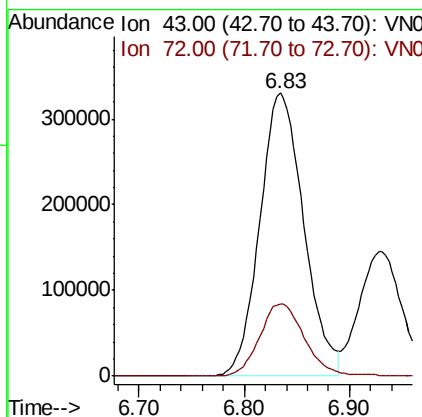
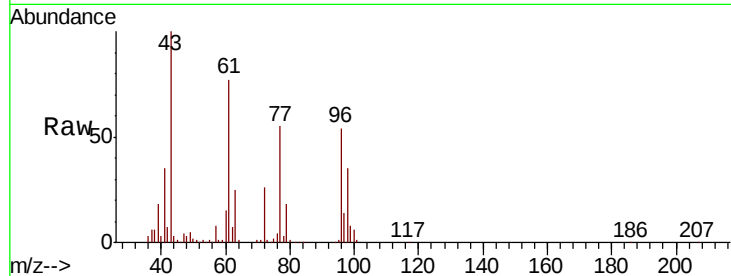
#25
 2-Butanone
 Concen: 249.945 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 952827
 Ion Ratio Lower Upper
 43 100
 72 25.7 20.1 30.1

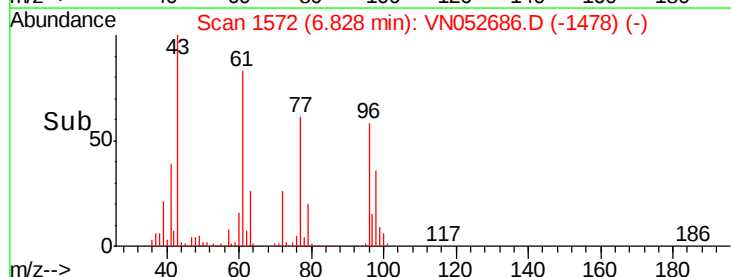
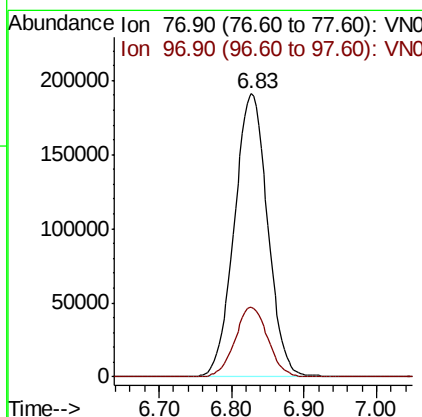
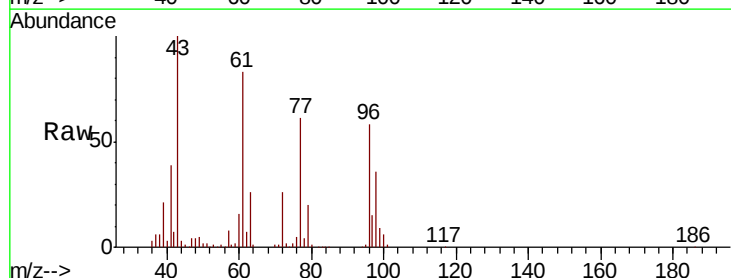
Manual Integrations
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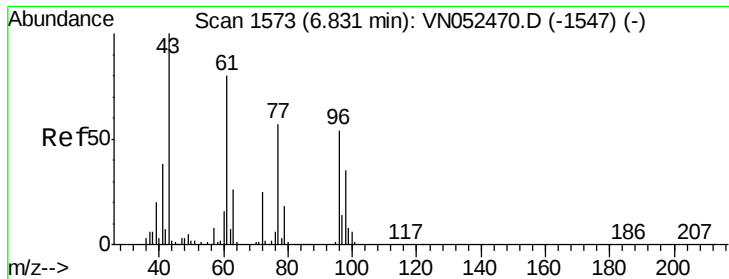
MMDadoda
 12/6/2018 9:09:06 AM



#26
 2,2-Dichloropropane
 Concen: 48.646 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion: 77 Resp: 610578
 Ion Ratio Lower Upper
 77 100
 97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.888 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

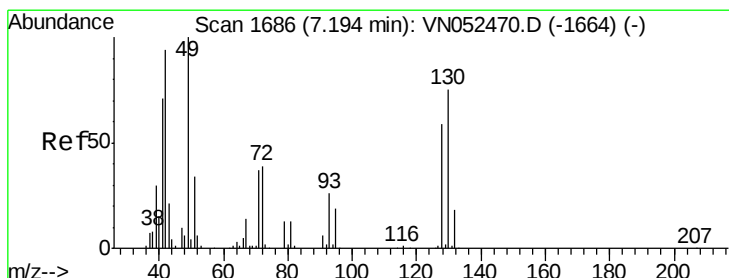
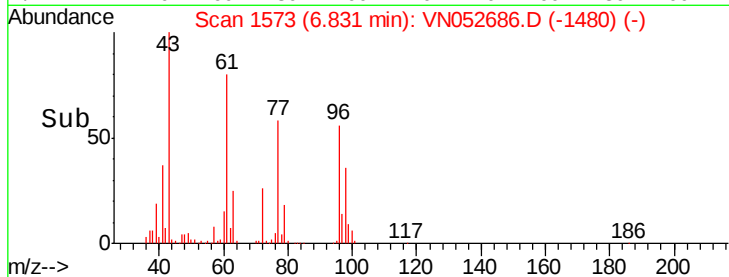
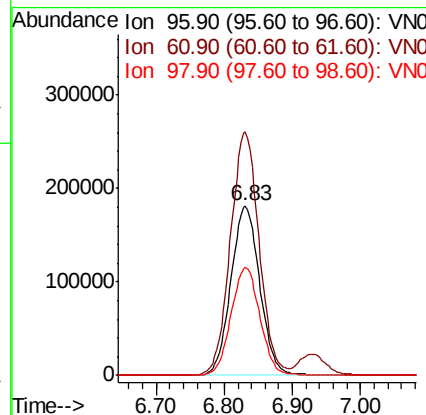
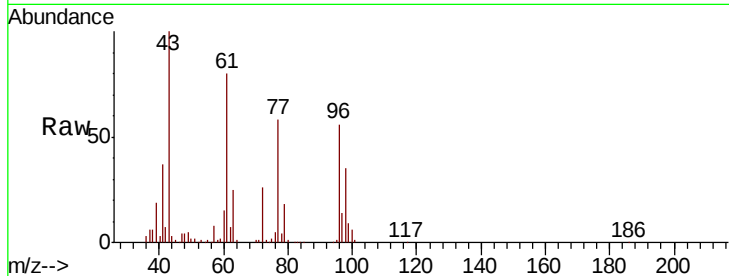
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	533576
Ion Ratio	Lower	Upper	
96	100		
61	142.6	0.0	291.0
98	63.7	0.0	130.0

Manual Integrations
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12/6/2018 9:09:06 AM



#28

Bromochloromethane

Concen: 50.573 ug/l

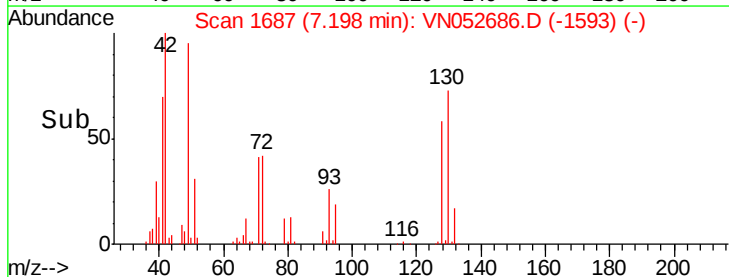
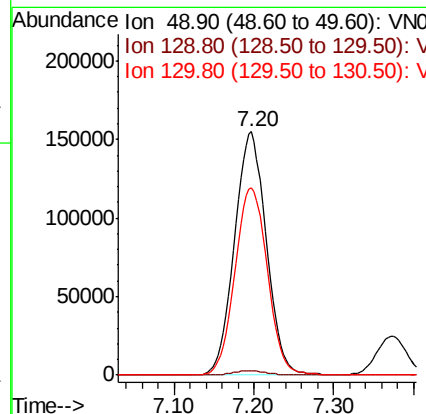
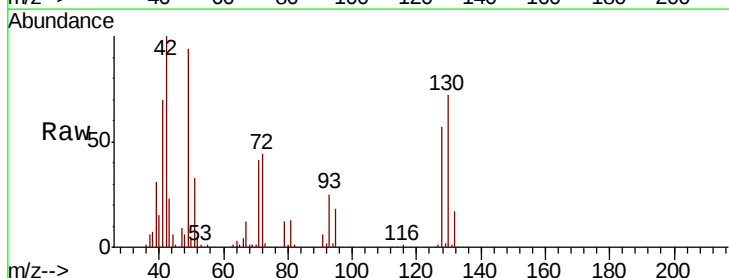
RT: 7.20 min Scan# 1687

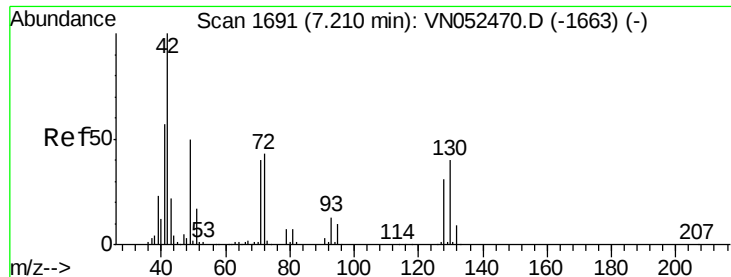
Delta R.T. 0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Tgt Ion:	49	Resp:	418869
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	78.3	60.2	90.2





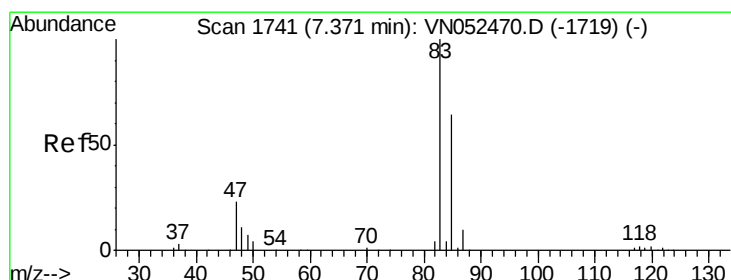
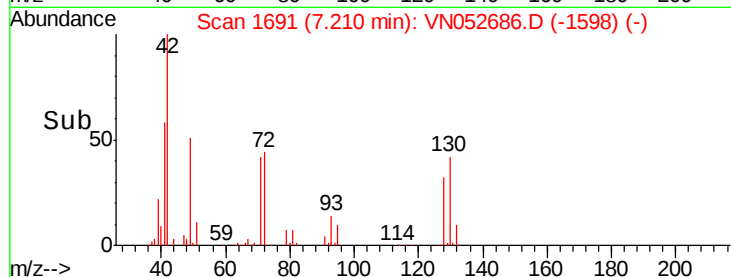
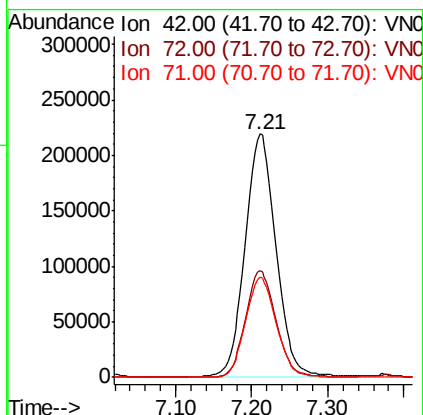
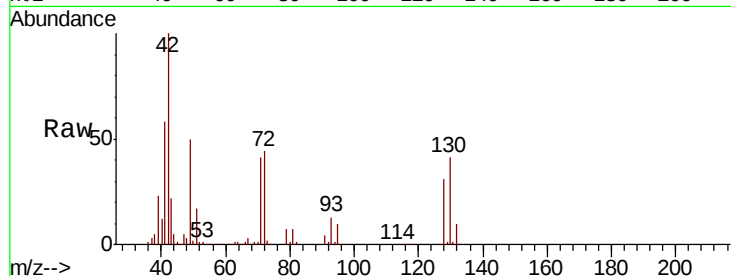
#29
Tetrahydrofuran
Concen: 252.155 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.3	49.9
71	41.0	32.0	48.0

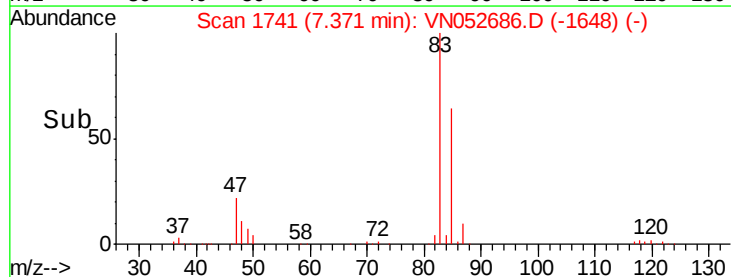
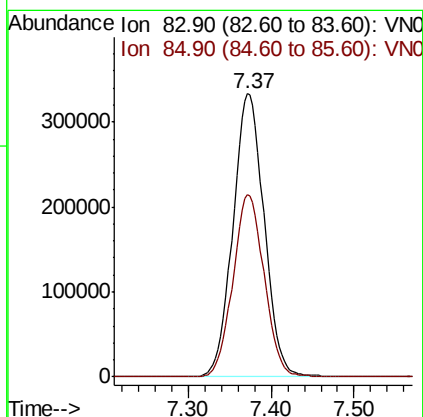
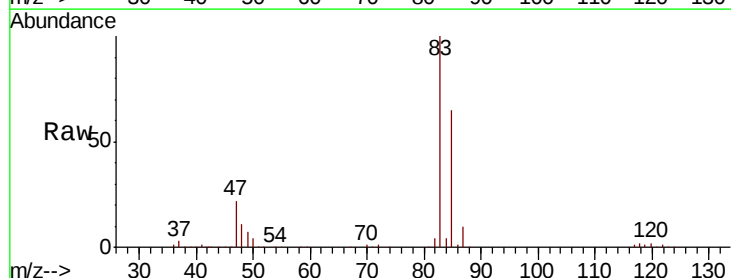
Manual Integrations
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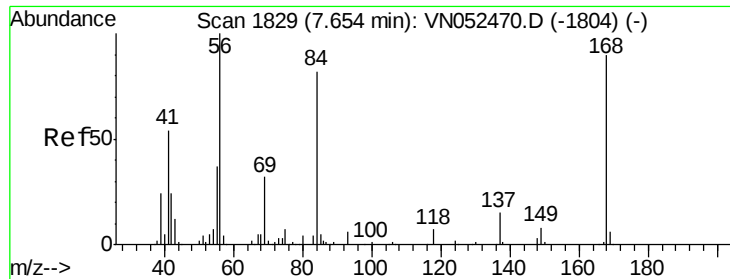
MMDadoda
12/6/2018 9:09:06 AM



#30
Chloroform
Concen: 48.237 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.0	76.4





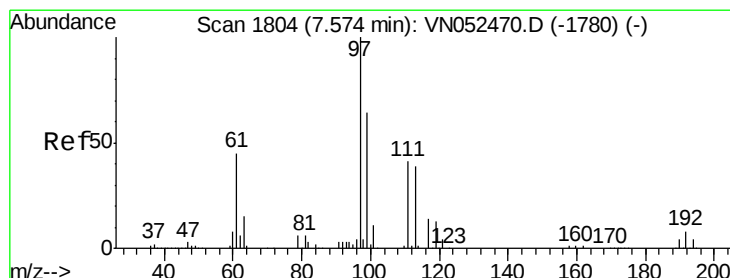
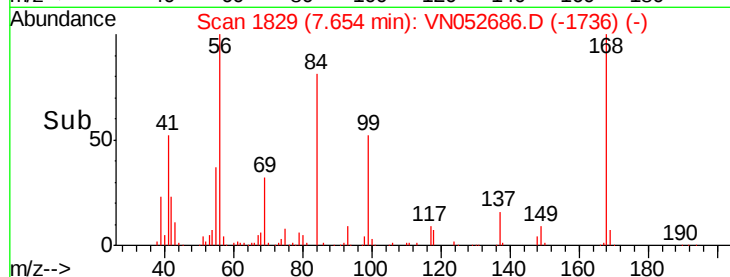
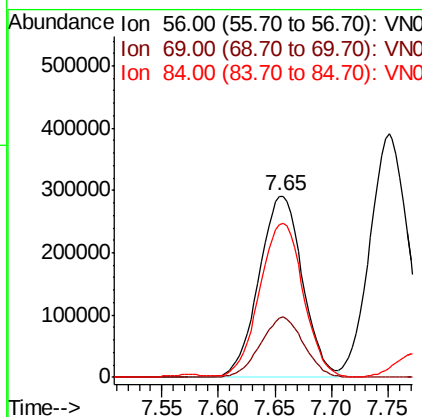
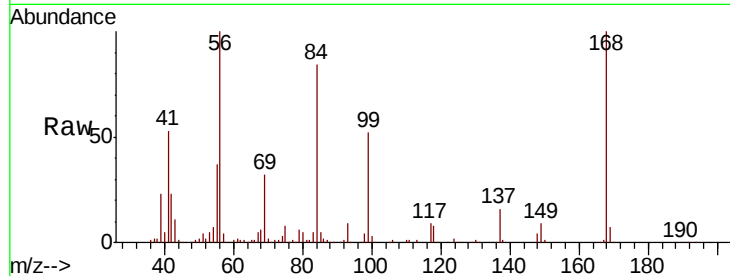
#31
Cyclohexane
Concen: 44.214 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.8	38.6
84	82.8	65.3	97.9

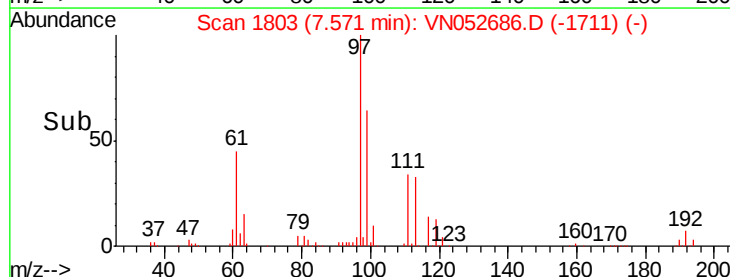
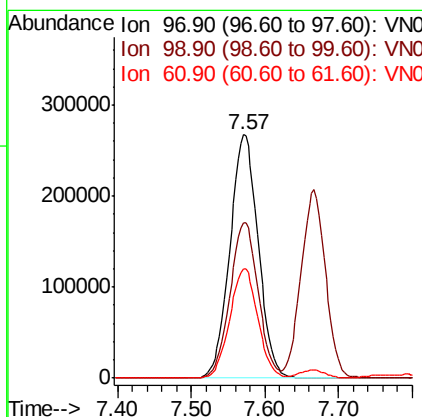
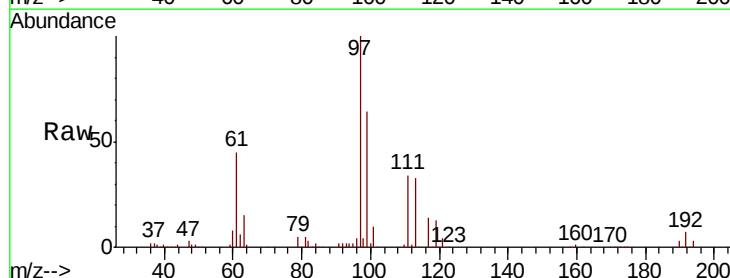
Manual Integrations
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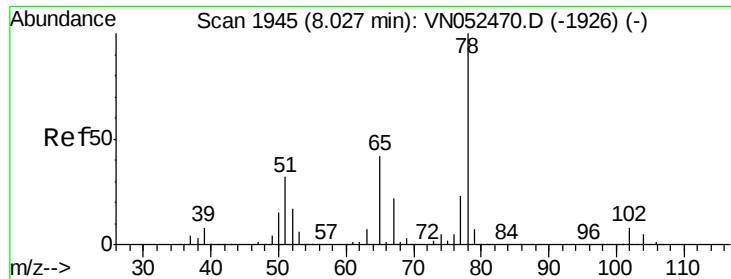
MMDadoda
12/6/2018 9:09:06 AM



#32
1,1,1-Trichloroethane
Concen: 49.853 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.7	77.5
61	44.6	36.8	55.2





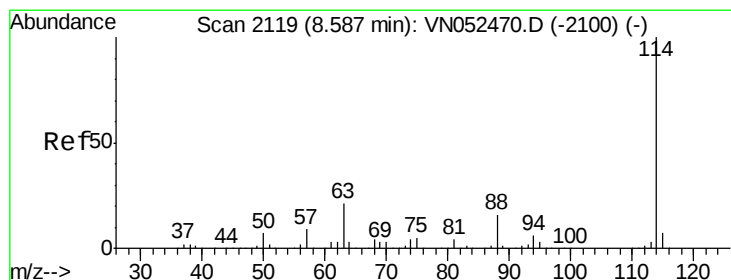
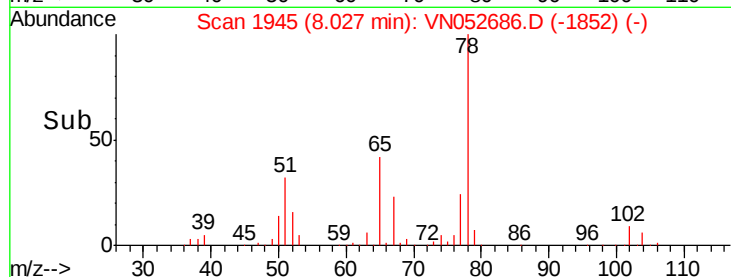
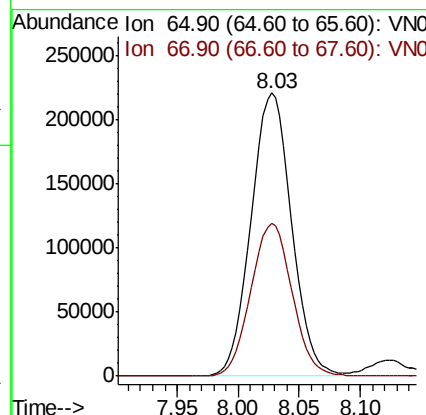
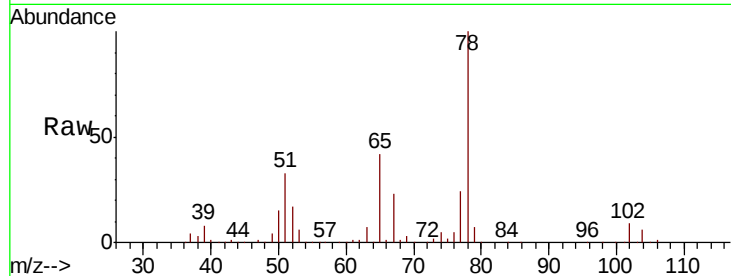
#33
 1,2-Dichloroethane-d4
 Concen: 49.853 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	508417		
67	55.2	0.0	109.8	

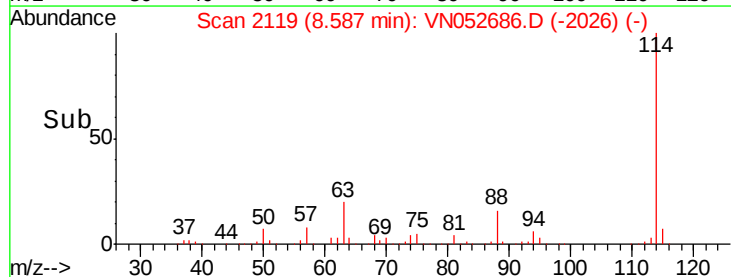
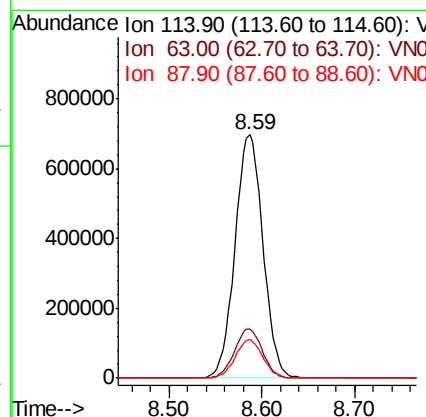
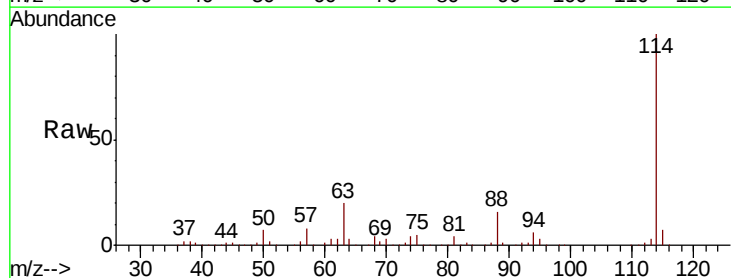
Manual Integrations
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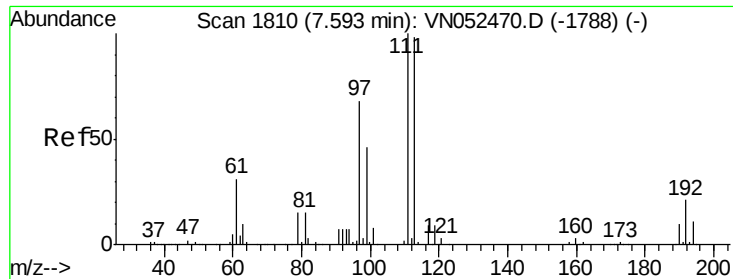
MMDadoda
 12/6/2018 9:09:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1455429		
63	20.1	0.0	41.8	
88	15.8	0.0	31.6	





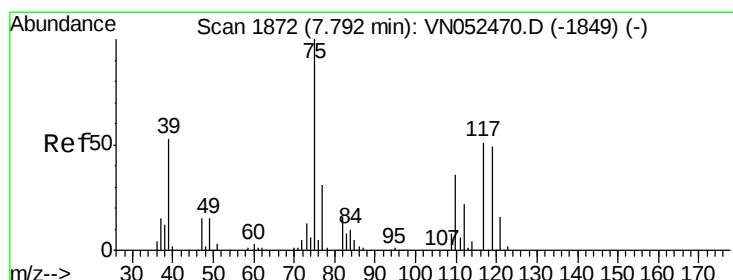
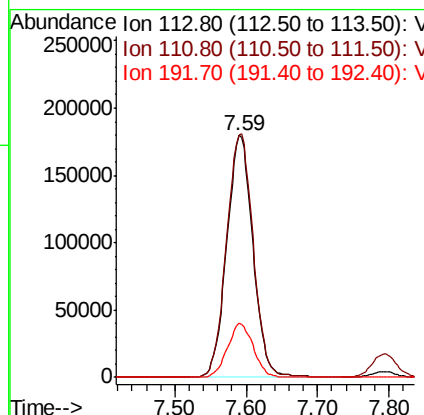
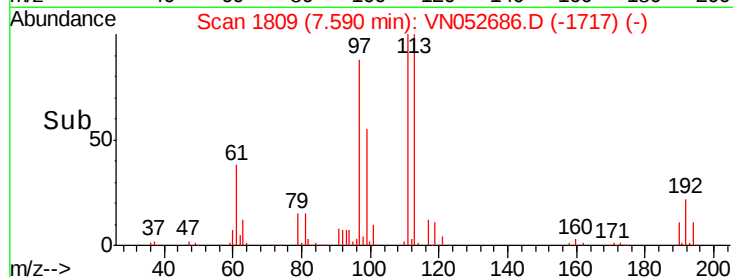
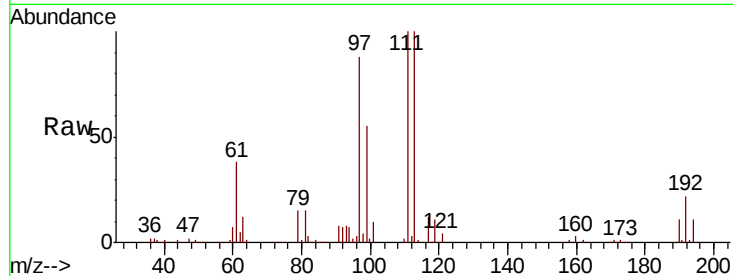
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	457728		
111	102.7	82.0	123.0	
192	21.9	17.0	25.6	

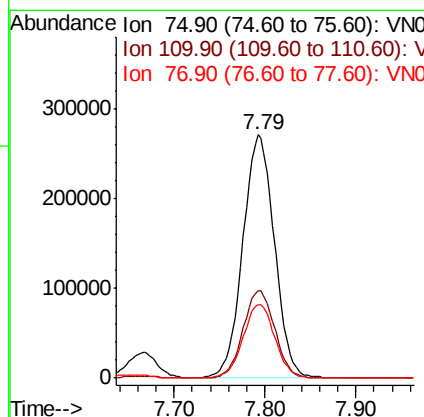
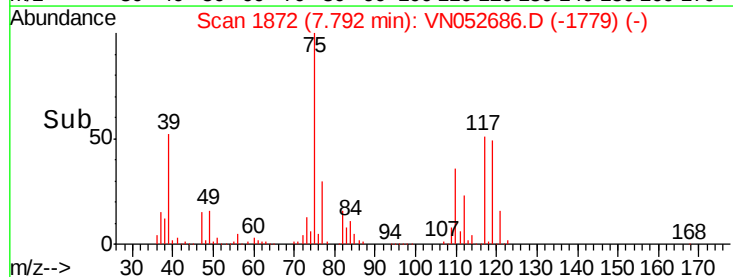
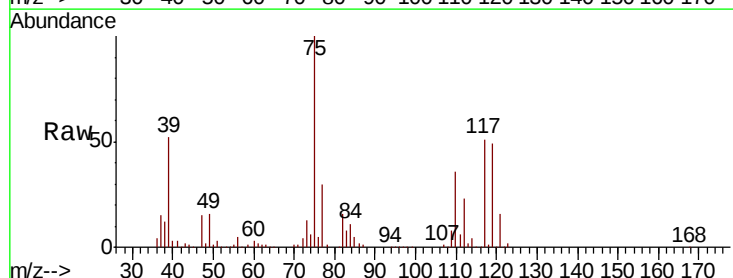
Manual Integrations
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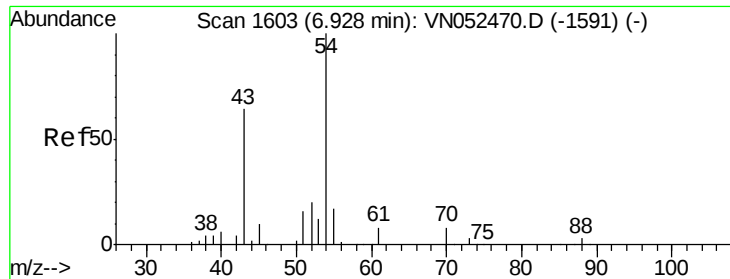
MMDadoda
 12/6/2018 9:09:06 AM



#36
 1,1-Dichloropropene
 Concen: 47.456 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	652237		
110	36.1	17.5	52.6	
77	30.8	24.5	36.7	





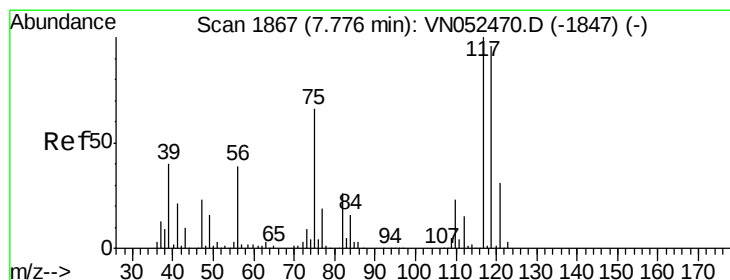
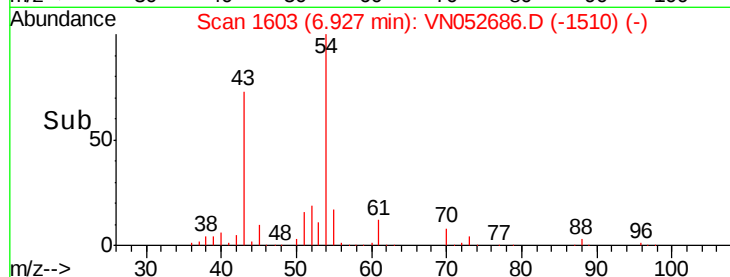
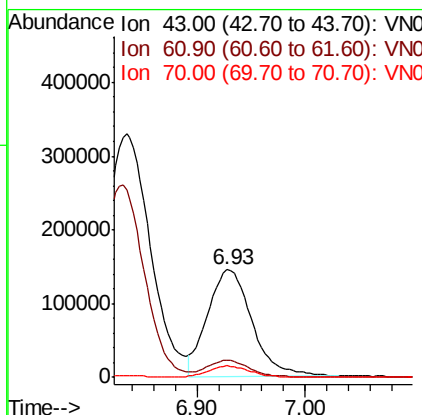
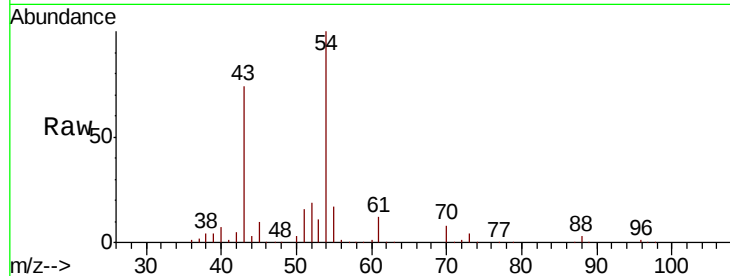
#37
Ethyl Acetate
Concen: 49.133 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.8
70	10.3	7.8	11.8

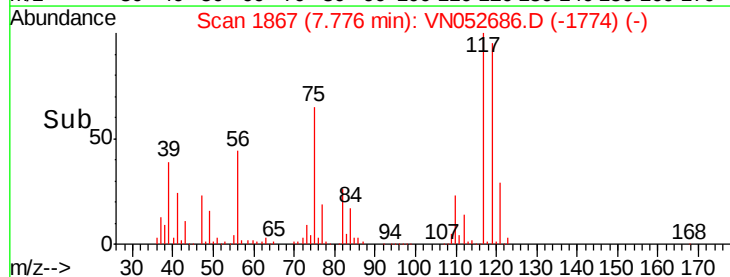
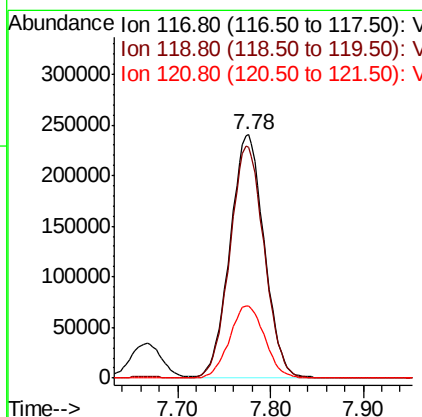
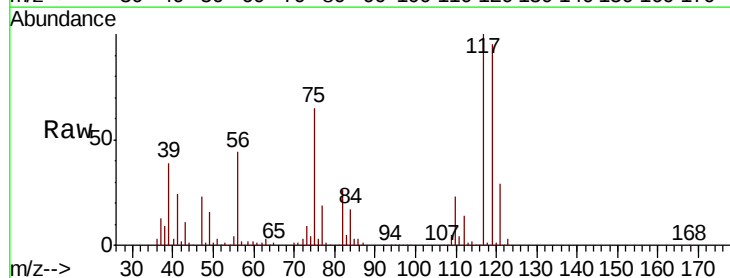
Manual Integrations
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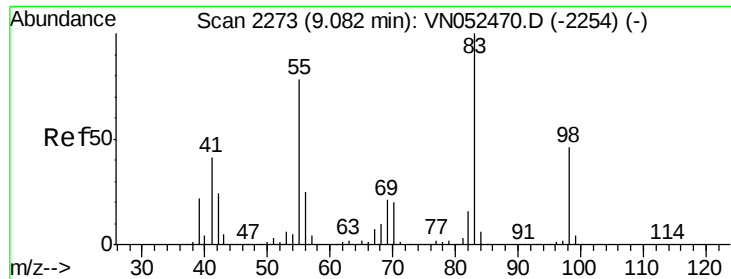
MMDadoda
12/6/2018 9:09:06 AM



#38
Carbon Tetrachloride
Concen: 49.339 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.8	115.2
121	29.4	24.9	37.3





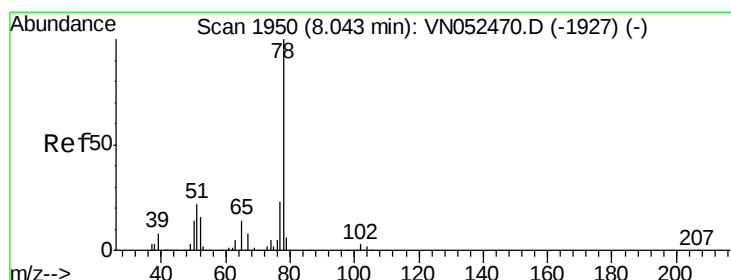
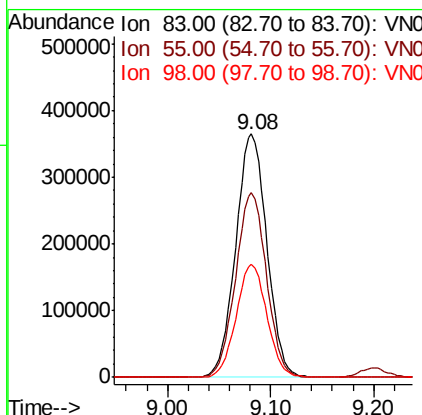
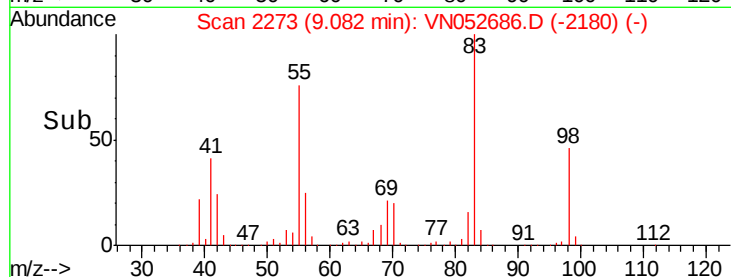
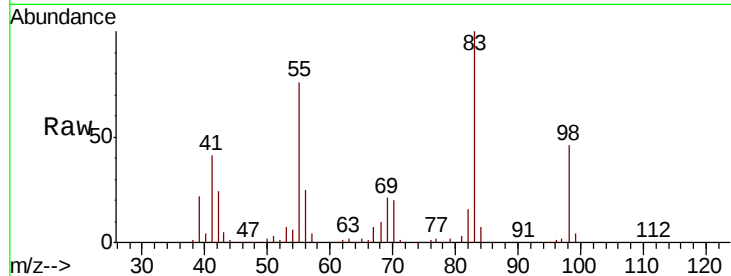
#39
Methvlcvclohexane
Concen: 45.875 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	62.2	93.2
98	46.4	36.4	54.6

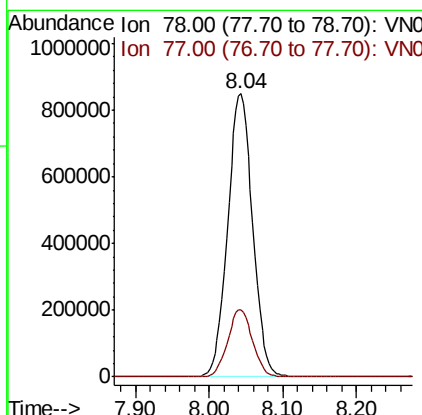
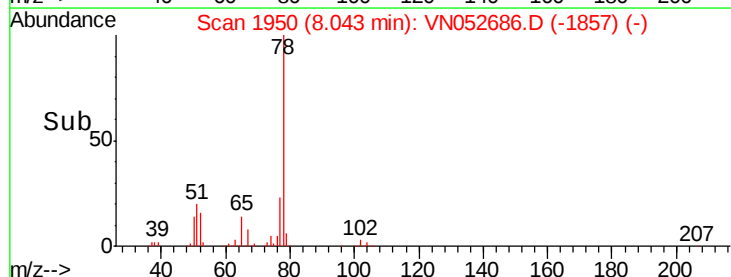
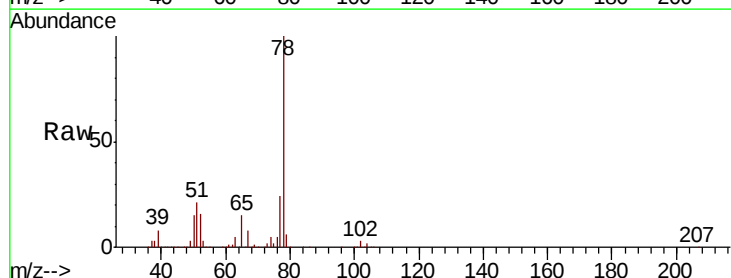
Manual Integrations
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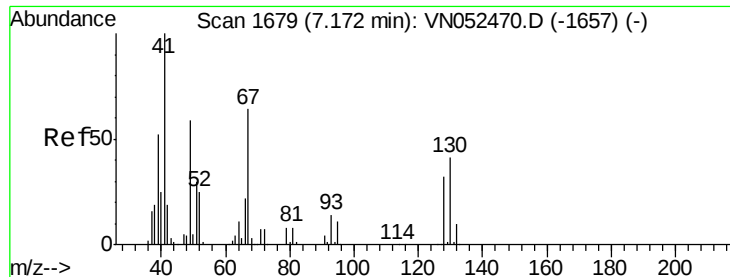
MMDadoda
12/6/2018 9:09:06 AM



#40
Benzene
Concen: 48.590 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





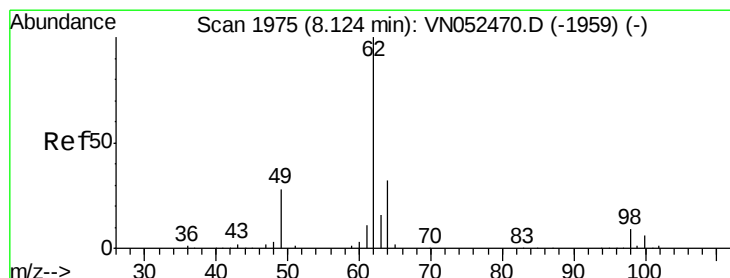
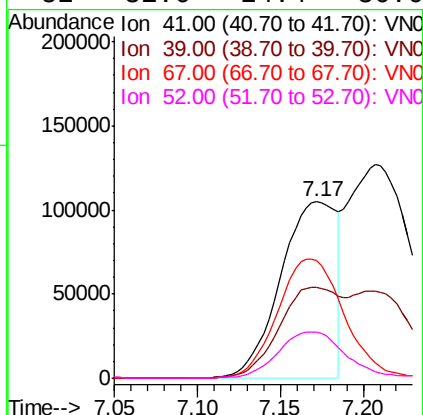
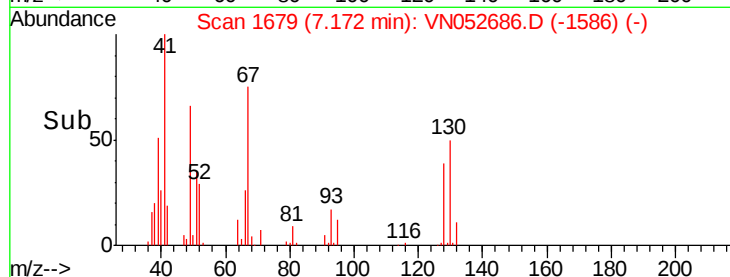
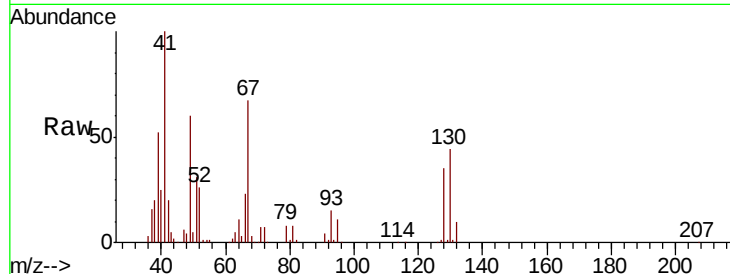
#41
Methacrylonitrile
Concen: 53.730 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	50.9	76.3	
67	80.4	63.6	95.4	
52	31.6	24.4	36.6	

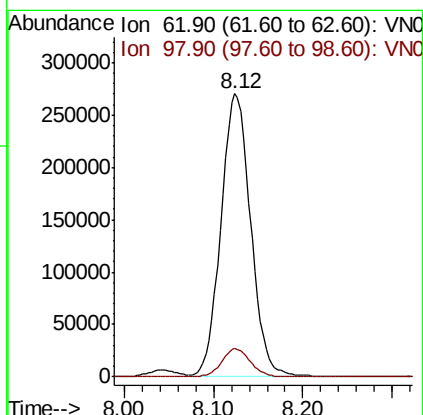
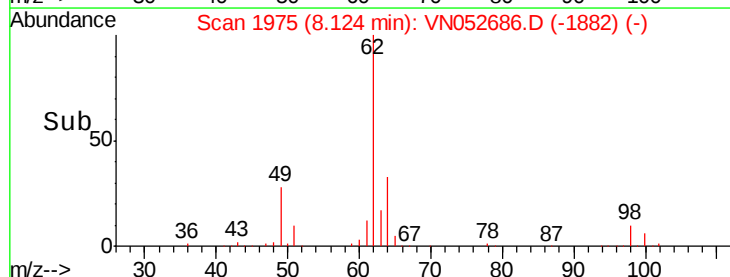
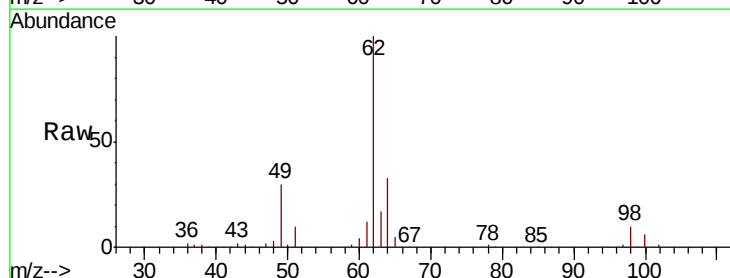
Manual Integrations
APPROVED

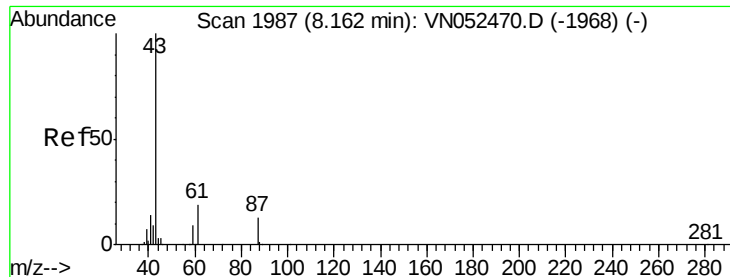
MMDadoda
12/6/2018 9:09:06 AM



#42
1,2-Dichloroethane
Concen: 50.230 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.6	





#43

Isopropyl Acetate

Concen: 53.907 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

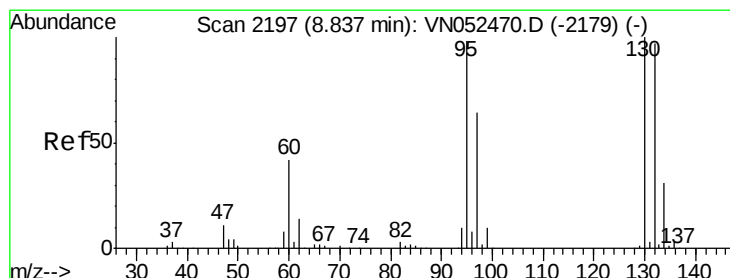
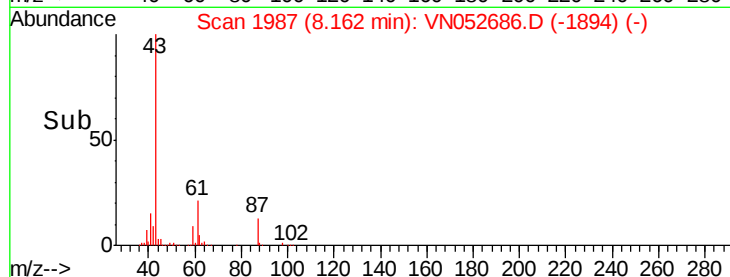
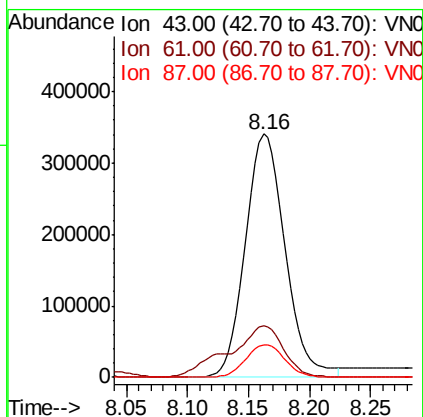
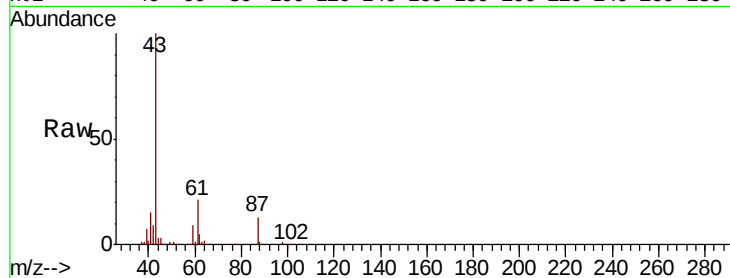
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	765205
Ion Ratio	Lower	Upper	
43	100		
61	21.0	24.1	36.1#
87	13.2	10.6	15.8

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MMDadoda
12/6/2018 9:09:06 AM



#44

Trichloroethene

Concen: 49.511 ug/l

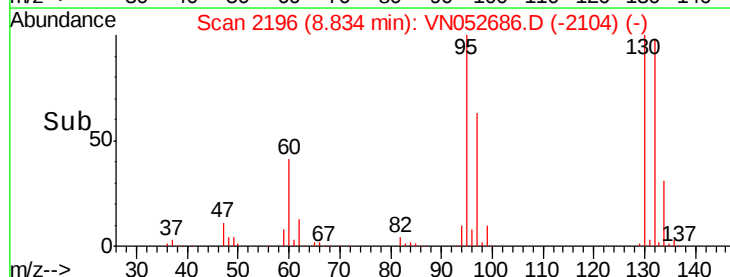
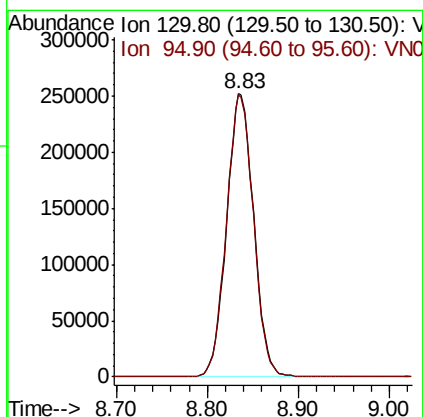
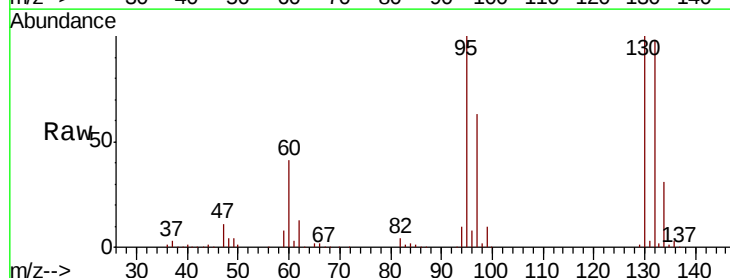
RT: 8.83 min Scan# 2196

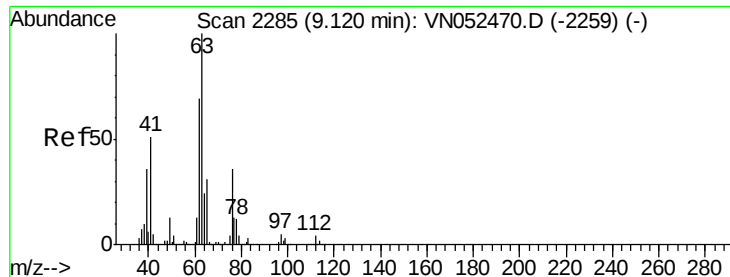
Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Tgt Ion:	130	Resp:	519461
Ion Ratio	Lower	Upper	
130	100		
95	99.7	0.0	195.6





#45

1,2-Dichloropropane

Concen: 49.517 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 539228

Ion Ratio Lower Upper

63 100

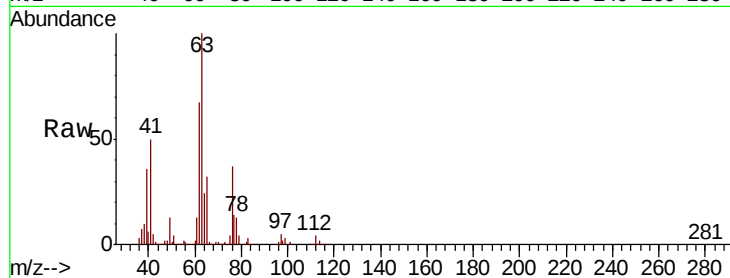
65 31.7 25.0 37.6

Manual Integrations

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12/6/2018 9:09:06 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

250000

200000

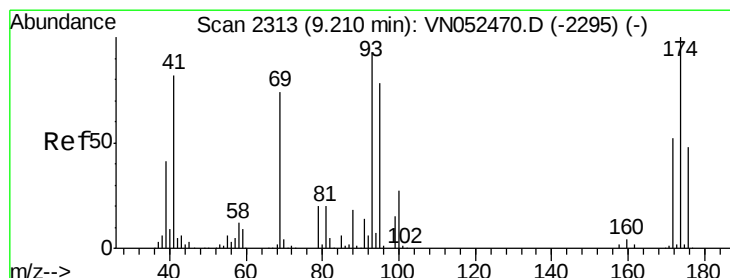
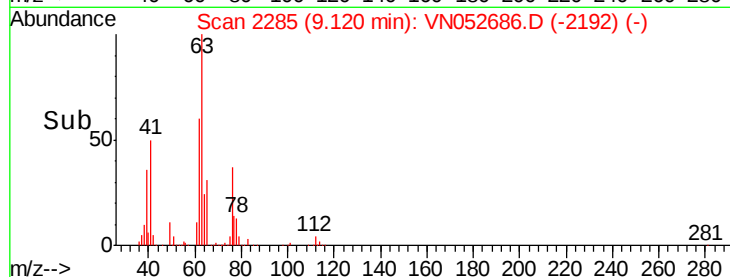
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.449 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

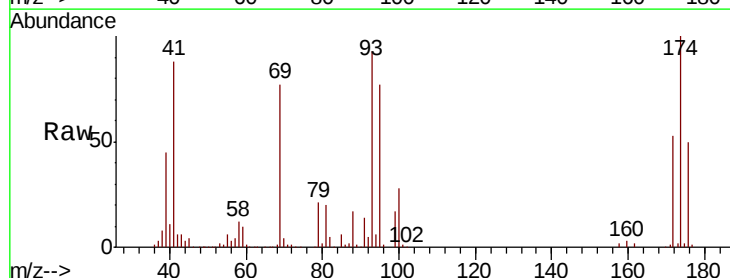
Tgt Ion: 93 Resp: 310152

Ion Ratio Lower Upper

93 100

95 83.9 67.1 100.7

174 108.2 85.8 128.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

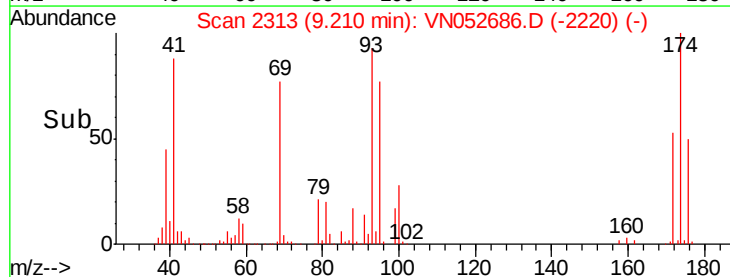
150000

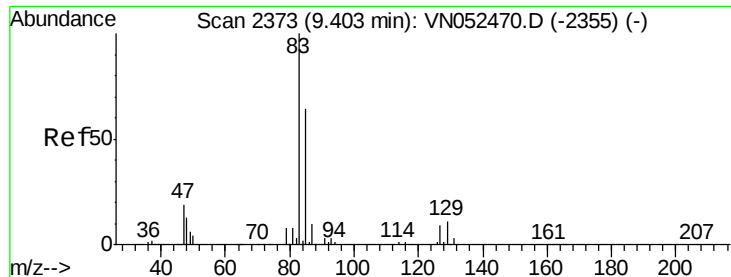
100000

50000

0

Time-->





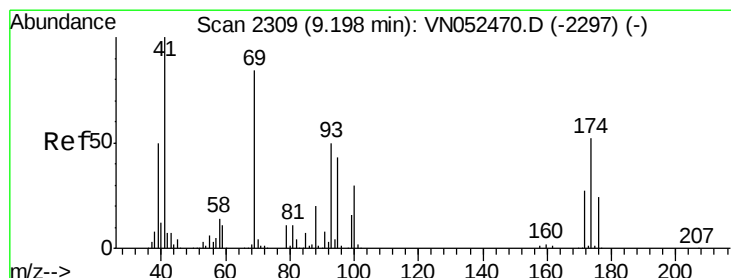
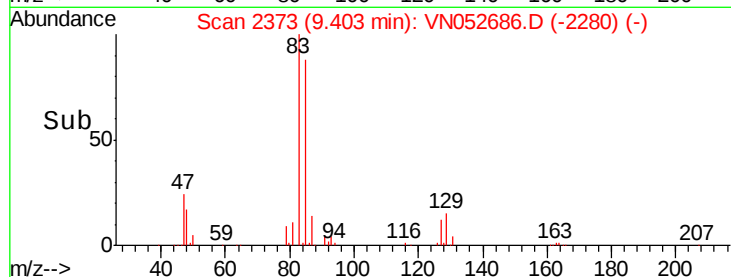
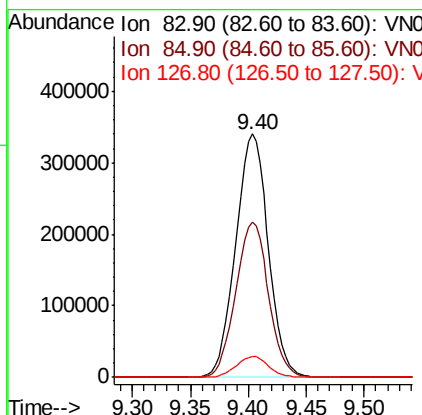
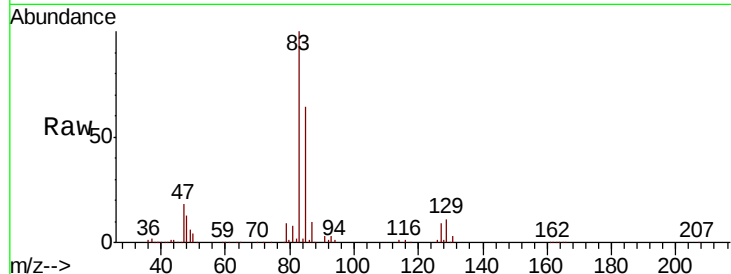
#47
Bromodichloromethane
Concen: 50.565 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.3	76.9
127	8.7	6.9	10.3

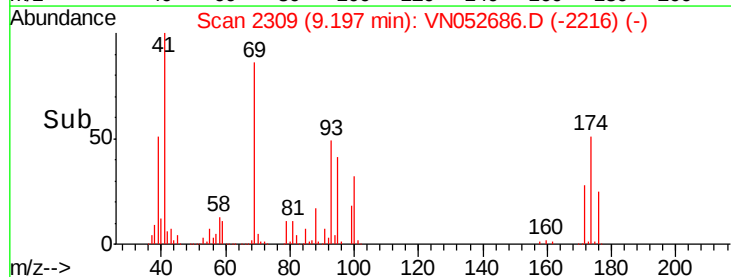
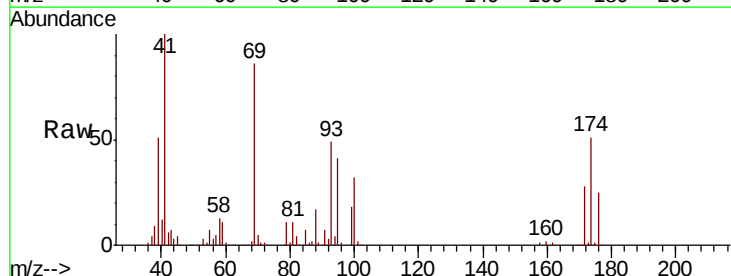
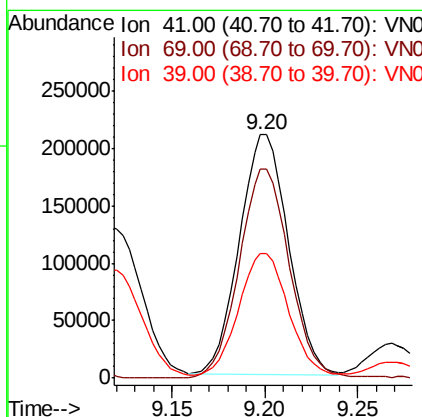
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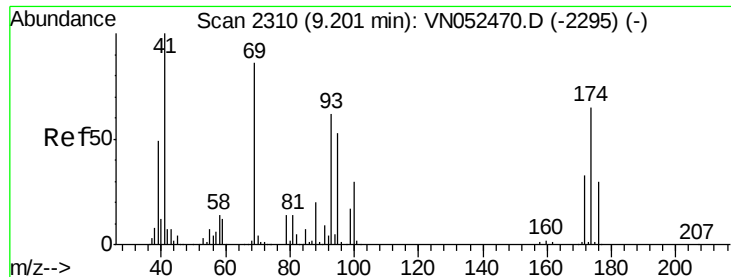
MMDadoda
12/6/2018 9:09:06 AM



#48
Methyl methacrylate
Concen: 52.004 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.6	70.0	105.0
39	53.7	42.6	64.0





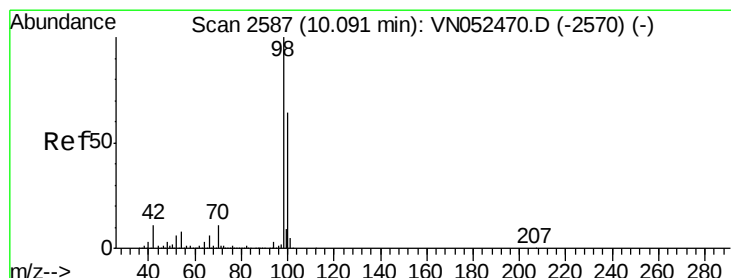
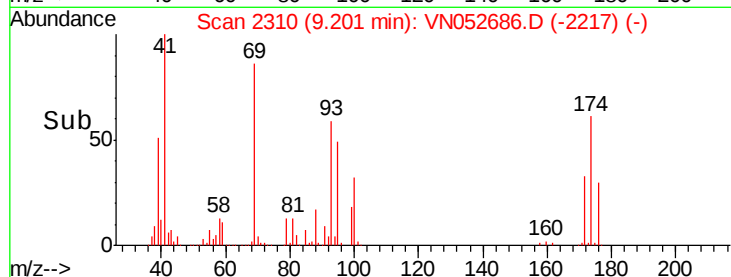
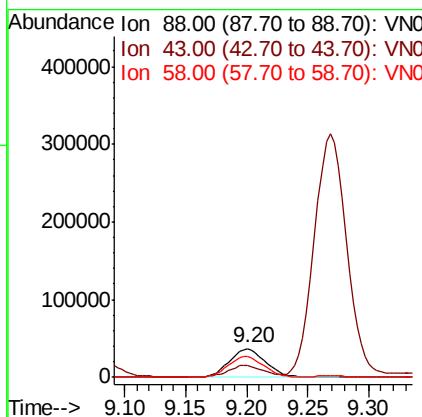
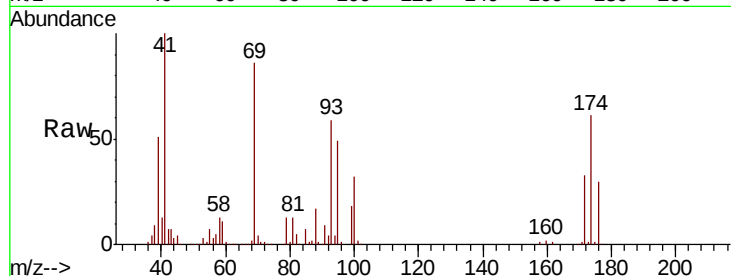
#49
1,4-Dioxane
Concen: 1005.497 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	77238
Ion Ratio	Lower	Upper	
88	100		
43	35.2	26.4	39.6
58	72.4	55.4	83.0

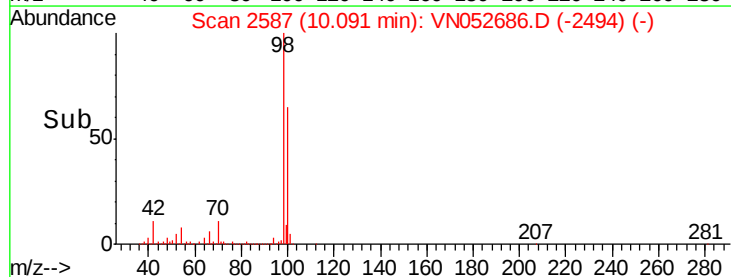
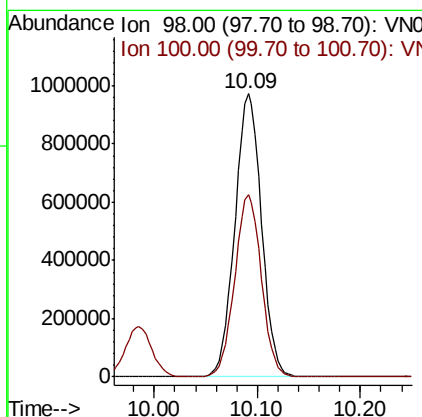
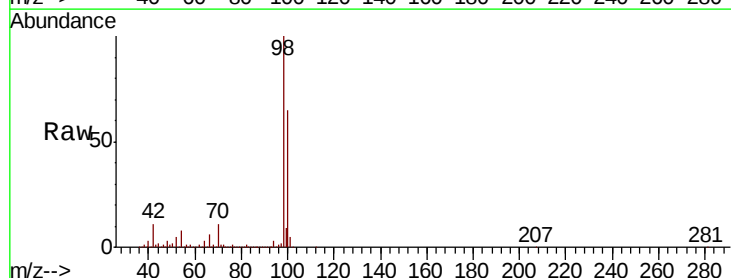
Manual Integrations
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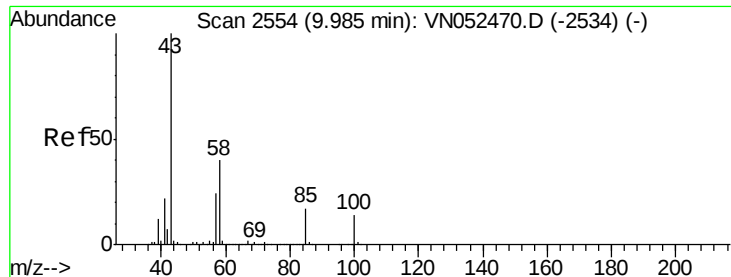
MMDadoda
12/6/2018 9:09:06 AM



#50
Toluene-d8
Concen: 1005.497 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	98	Resp	1747660
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.3	76.9





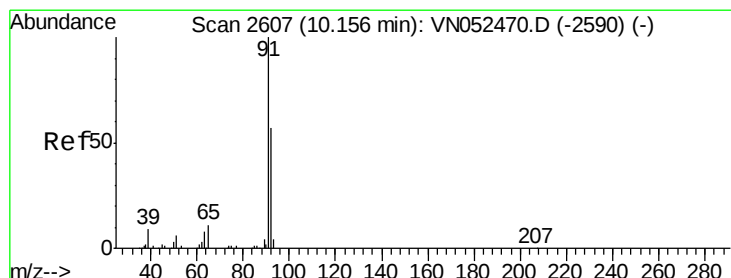
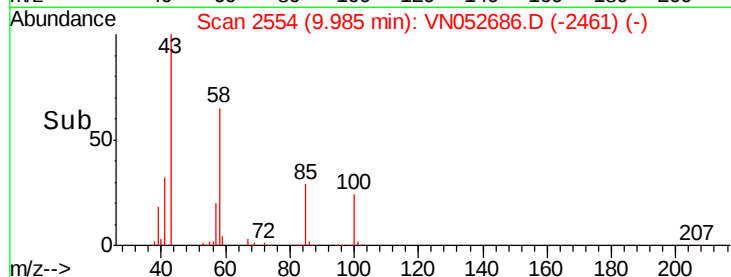
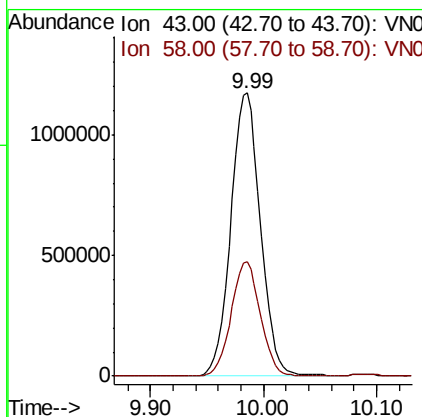
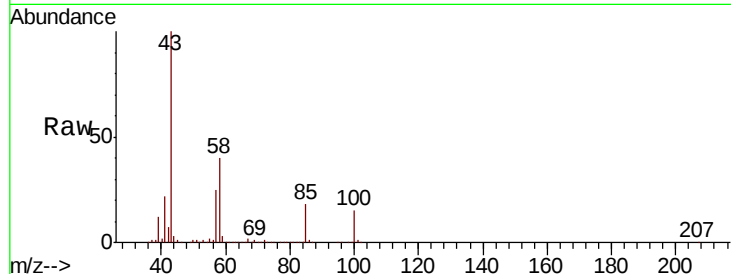
#51
4-Methyl-2-Pentanone
Concen: 267.010 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2126542
Ion Ratio Lower Upper
43 100
58 40.1 31.5 47.3

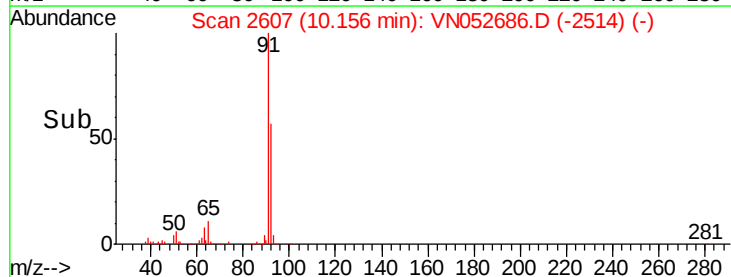
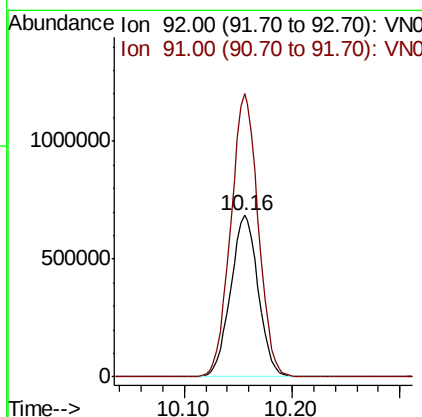
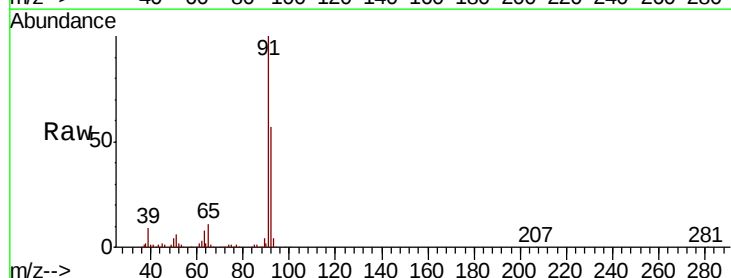
Manual Integrations
APPROVED

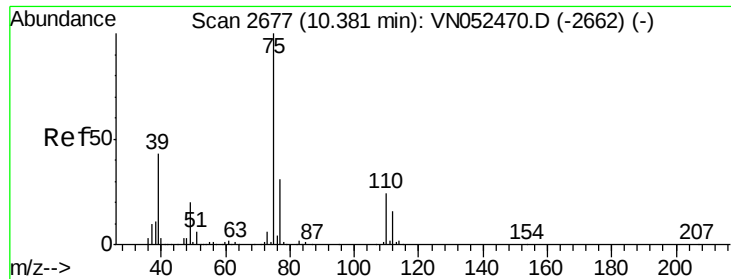
MMDadoda
12/6/2018 9:09:06 AM



#52
Toluene
Concen: 50.181 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 92 Resp: 1221201
Ion Ratio Lower Upper
92 100
91 174.8 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 52.988 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 668123

Ion Ratio Lower Upper

75 100

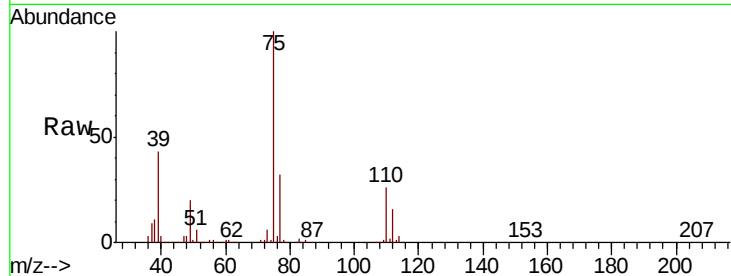
77 31.8 25.0 37.4

Manual Integrations

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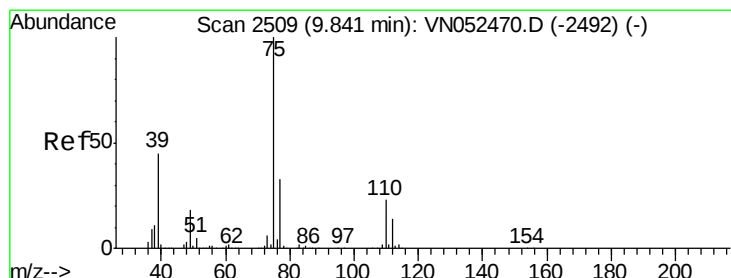
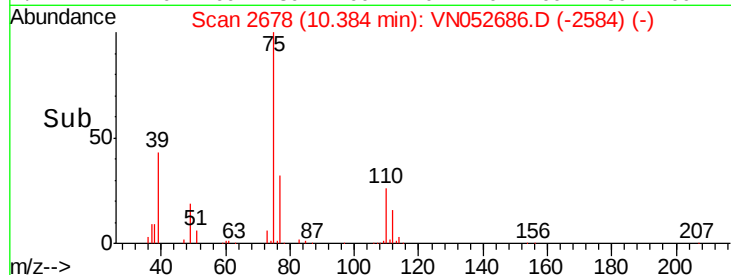
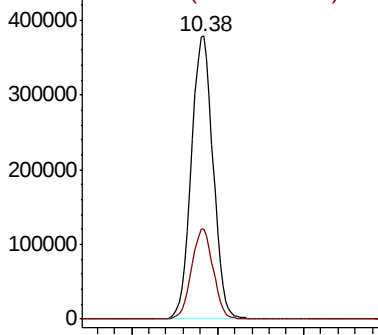
MMDadoda

12/6/2018 9:09:06 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 51.586 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

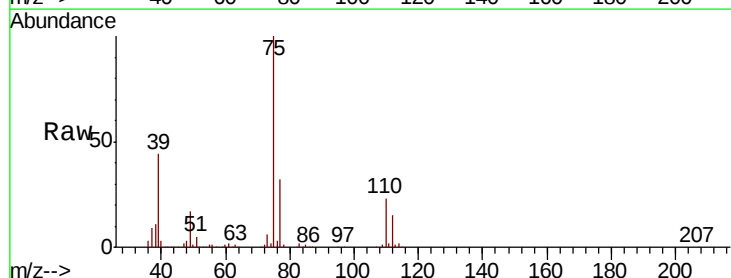
Tgt Ion: 75 Resp: 779476

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2

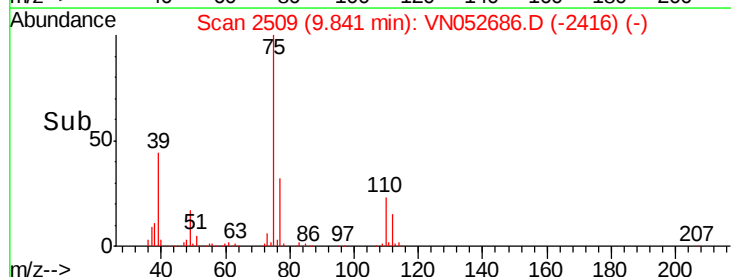
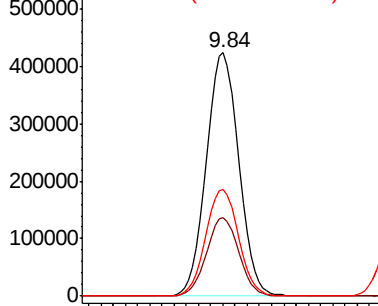
39 43.9 36.0 54.0

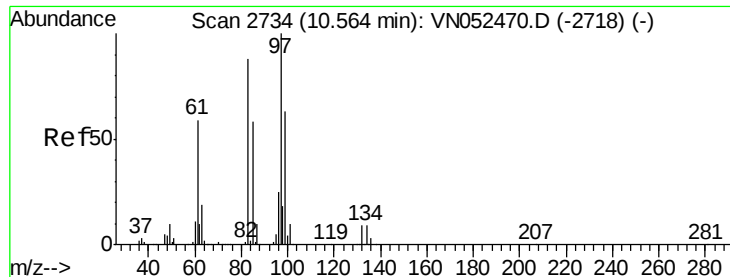


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





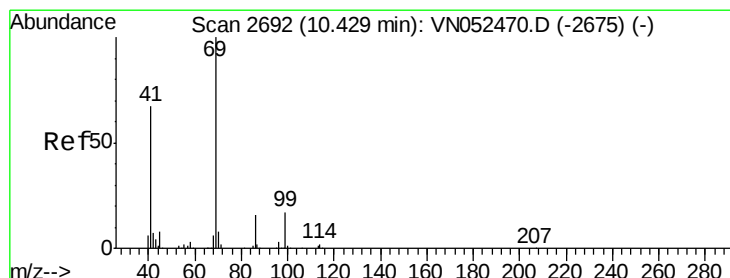
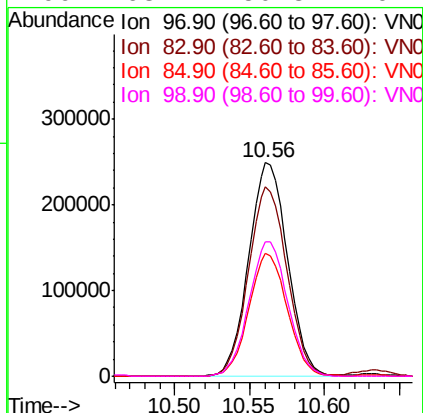
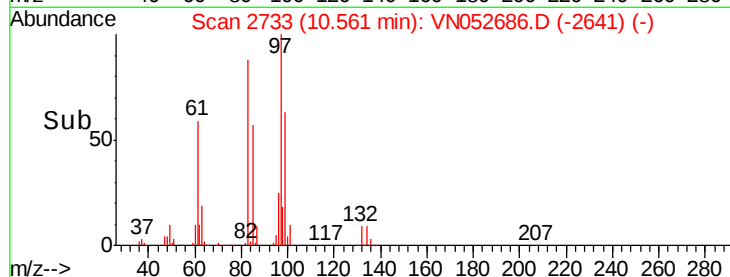
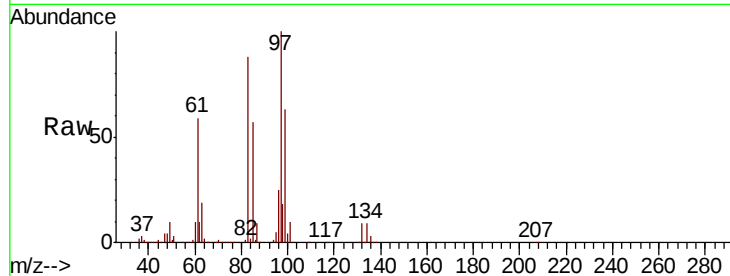
#55
 1,1,2-Trichloroethane
 Concen: 52.589 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	450179
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.7	106.1
85	57.5	46.1	69.1
99	63.1	50.8	76.2

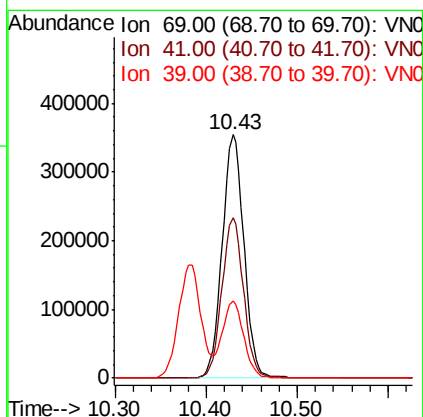
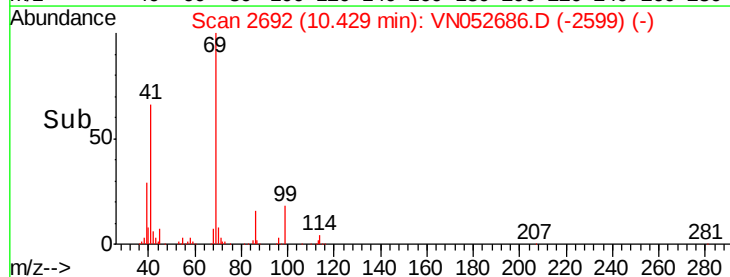
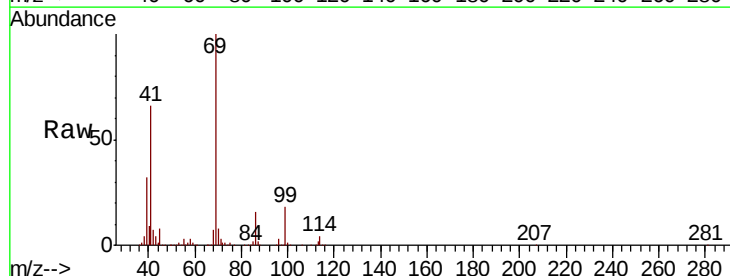
Manual Integrations
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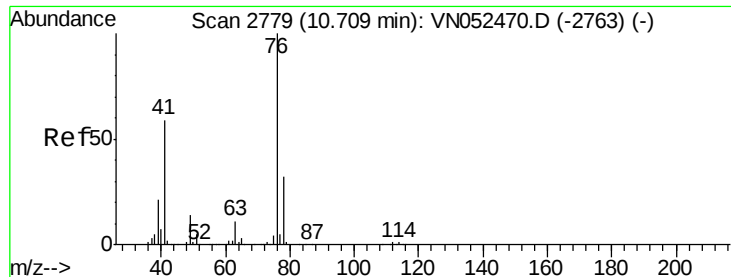
MMDadoda
 12/6/2018 9:09:06 AM



#56
 Ethyl methacrylate
 Concen: 49.571 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion:	69	Resp:	588955
Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.6	79.0
39	31.4	25.9	38.9





#57

1,3-Dichloropropane

Concen: 50.781 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 767563

Ion Ratio Lower Upper

76 100

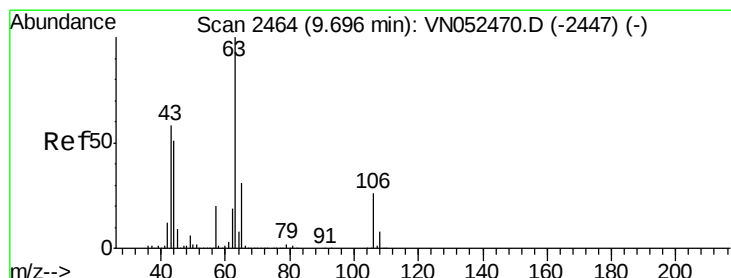
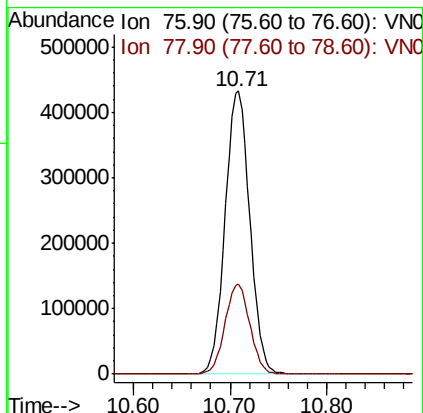
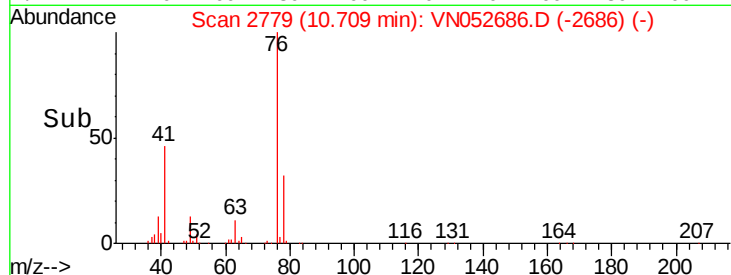
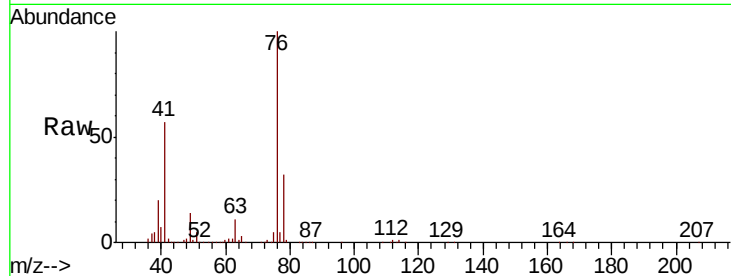
78 32.0 25.6 38.4

Manual Integrations

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MMDadoda

12/6/2018 9:09:06 AM



#58

2-Chloroethyl Vinyl ether

Concen: 269.259 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052686.D

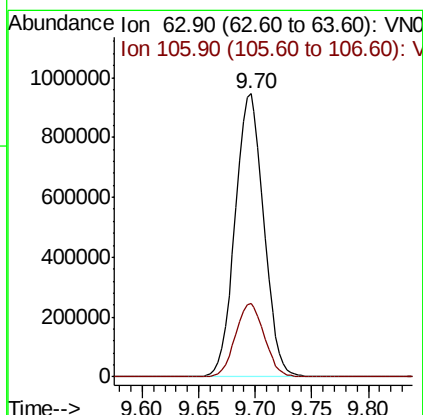
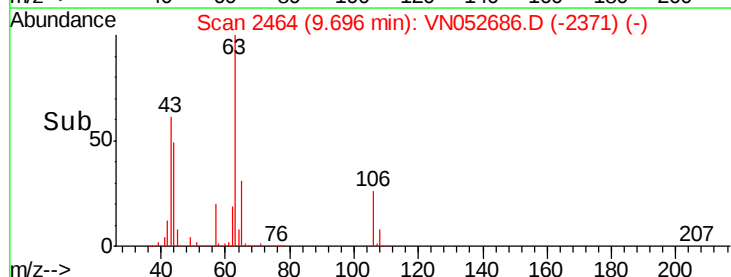
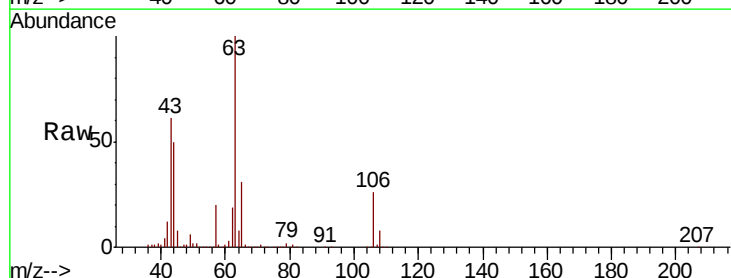
Acq: 5 Dec 2018 19:34

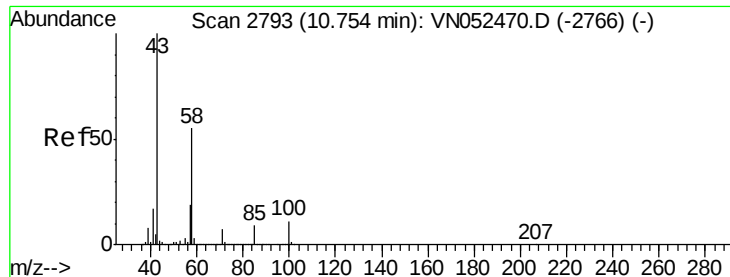
Tgt Ion: 63 Resp: 1672518

Ion Ratio Lower Upper

63 100

106 26.3 20.6 30.8





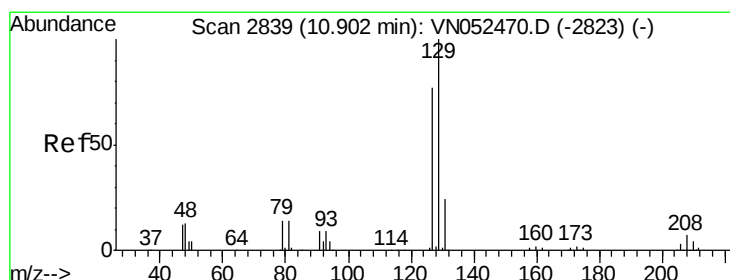
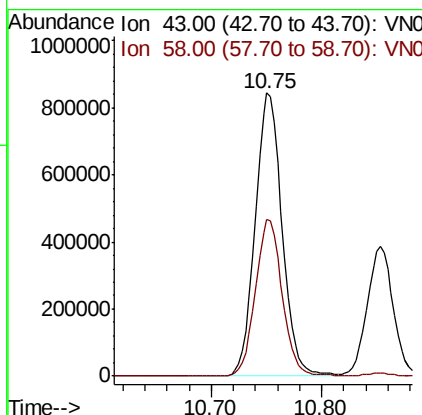
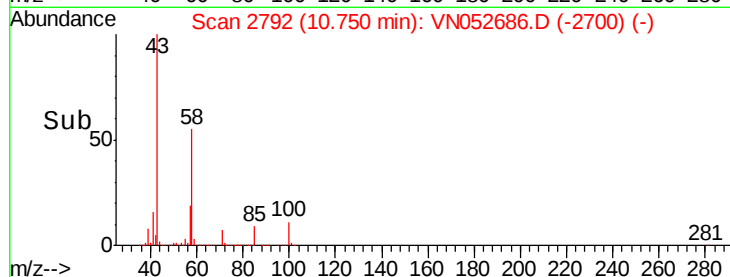
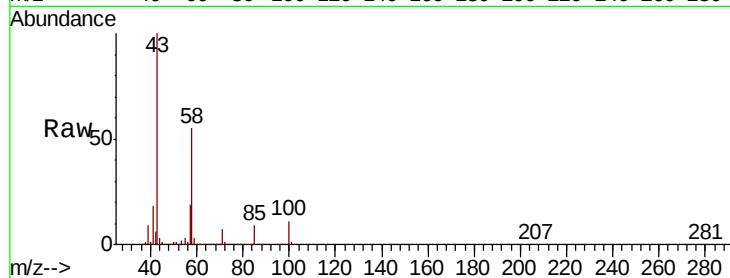
#59
2-Hexanone
Concen: 266.168 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1422733
Ion Ratio Lower Upper
43 100
58 55.2 27.4 82.0

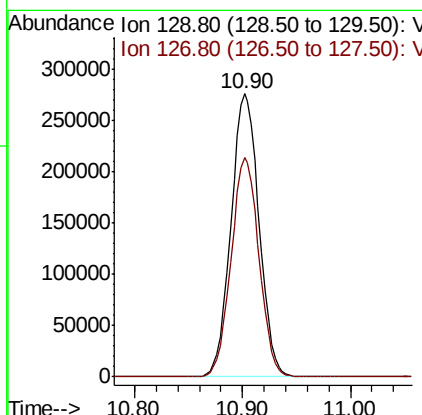
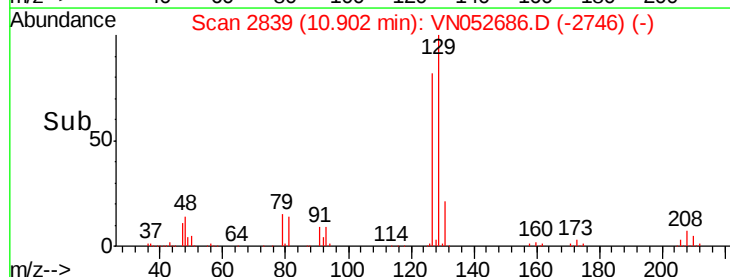
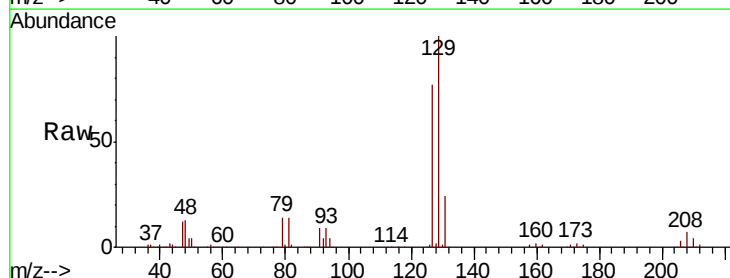
Manual Integrations
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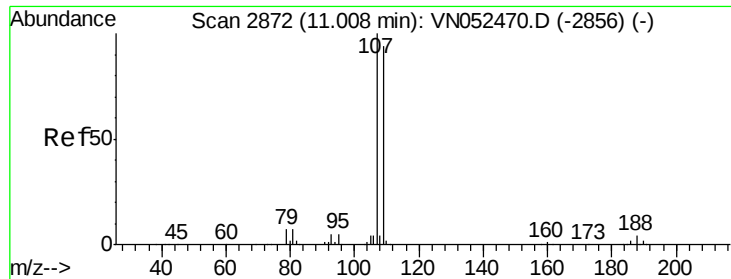
MMDadoda
12/6/2018 9:09:06 AM



#60
Dibromochloromethane
Concen: 53.724 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 129 Resp: 499491
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





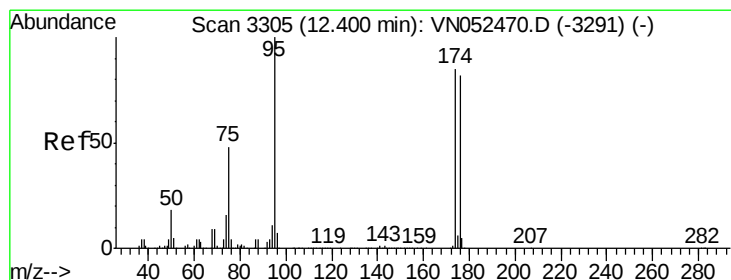
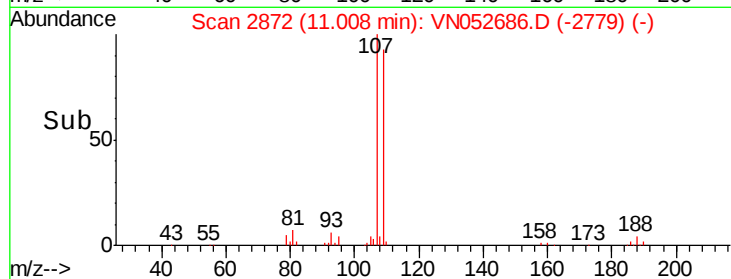
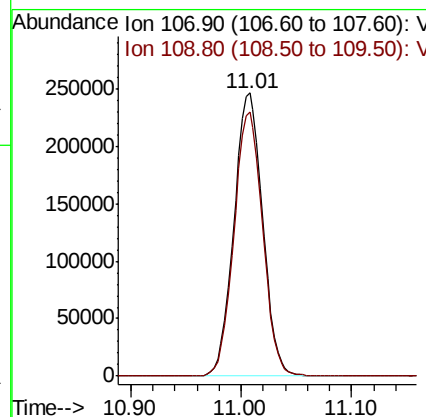
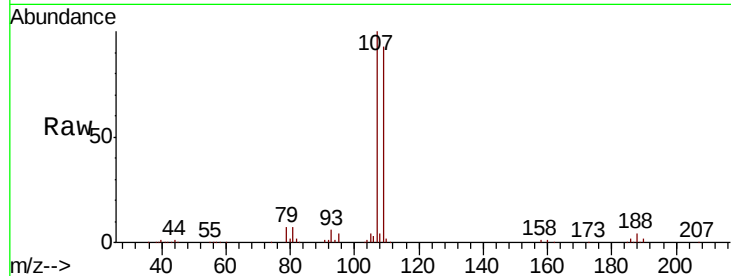
#61
 1,2-Dibromoethane
 Concen: 52.152 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.6	113.4

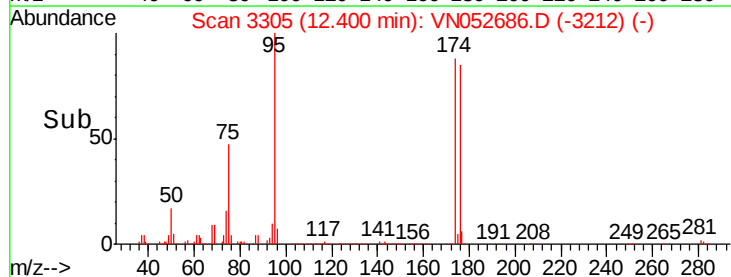
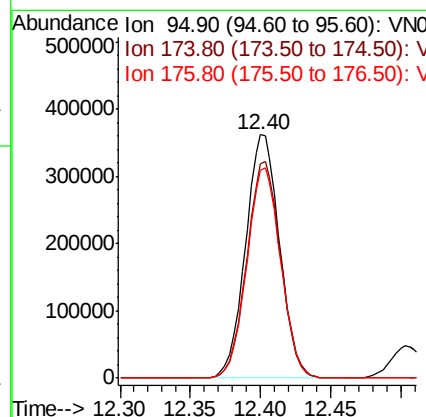
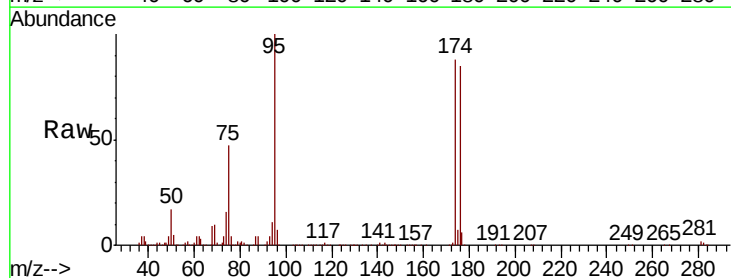
Manual Integrations
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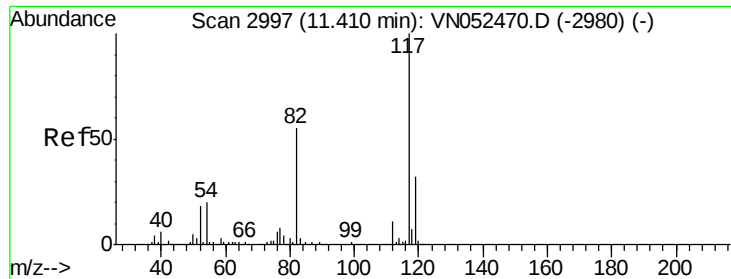
MMDadoda
 12/6/2018 9:09:06 AM



#62
 4-Bromofluorobenzene
 Concen: 52.152 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	173.0
176	86.2	0.0	166.2





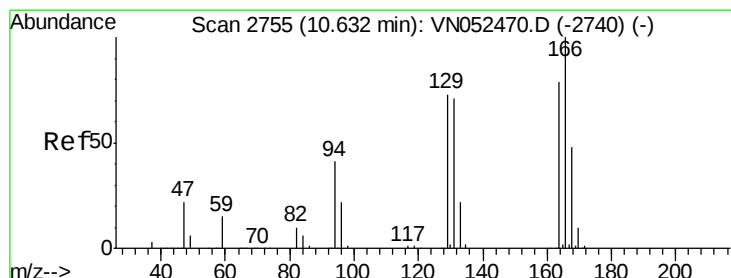
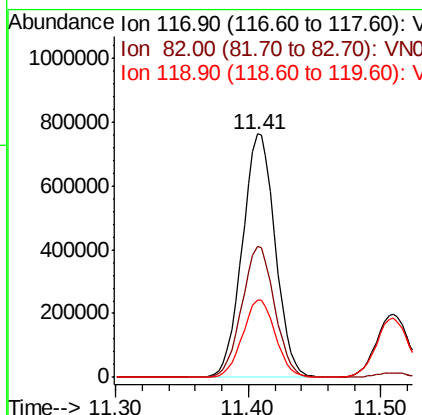
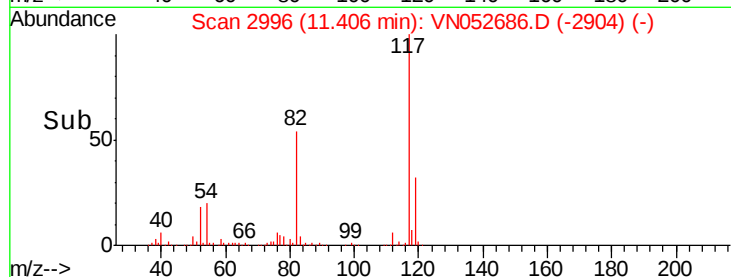
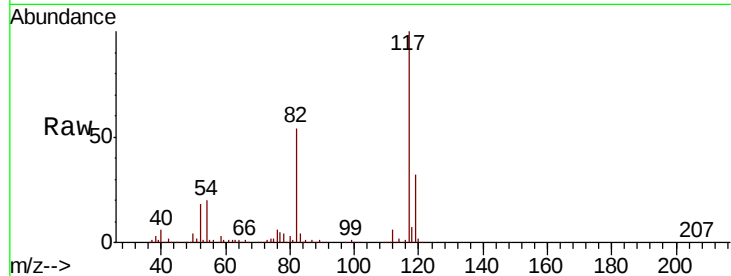
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1308739
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 32.0 25.4 38.2

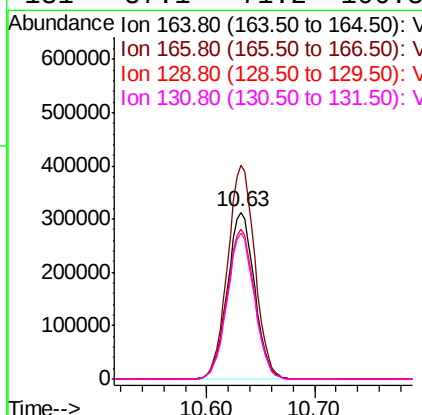
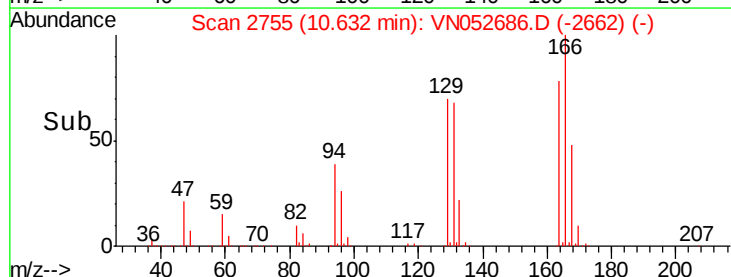
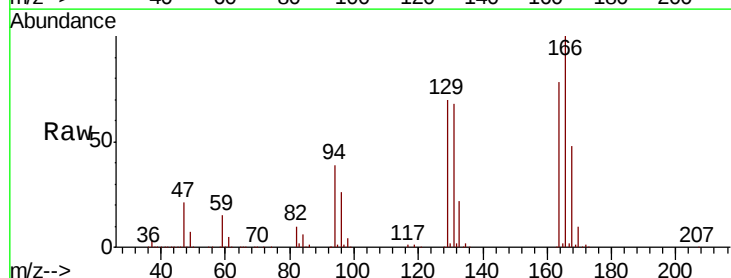
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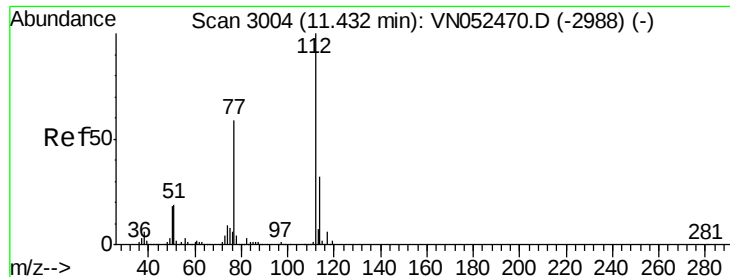
MMDadoda
12/6/2018 9:09:06 AM



#64
Tetrachloroethene
Concen: 53.891 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion:164 Resp: 546838
Ion Ratio Lower Upper
164 100
166 127.9 101.0 151.4
129 89.6 73.8 110.6
131 87.1 71.2 106.8





#65

Chlorobenzene

Concen: 49.812 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1344228

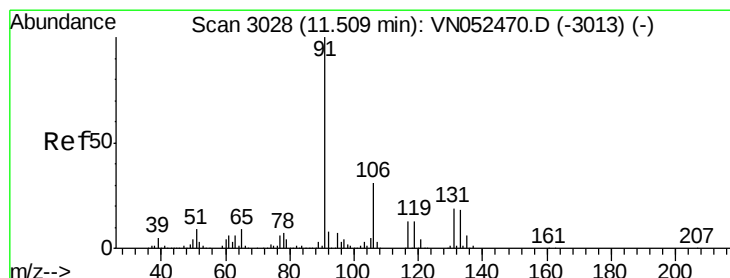
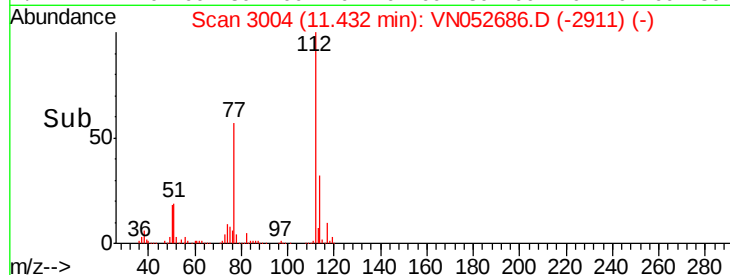
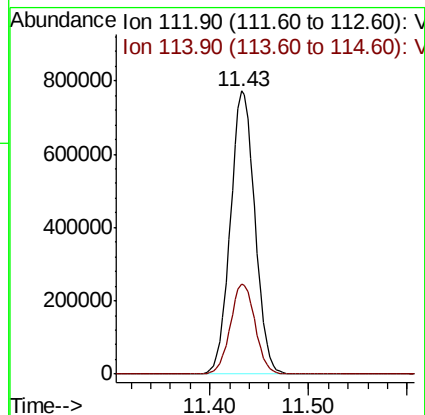
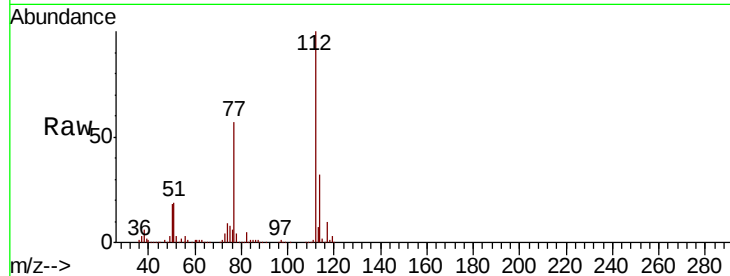
Ion Ratio Lower Upper

112 100

114 31.7 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
12/6/2018 9:09:06 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.410 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

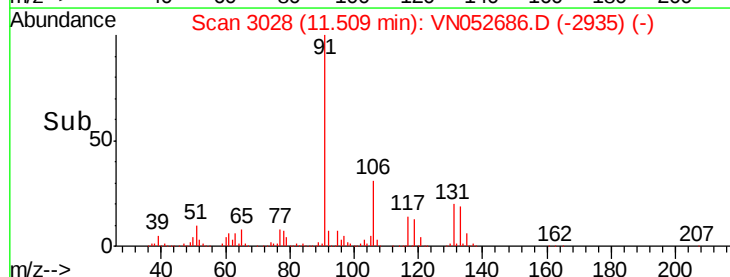
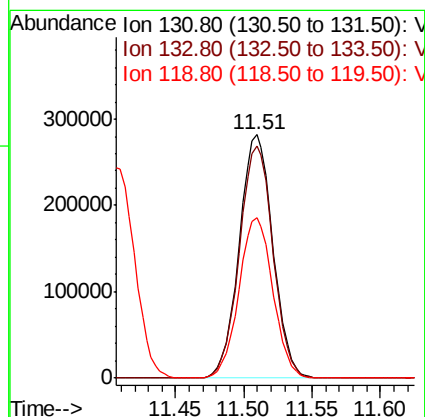
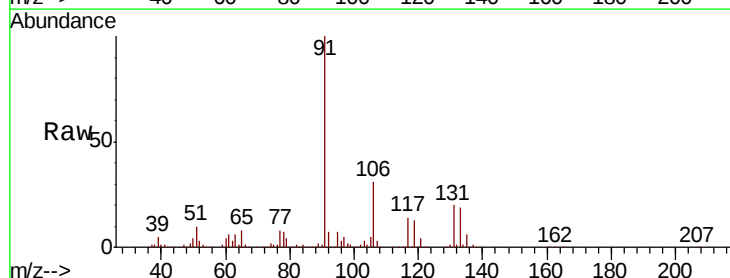
Tgt Ion:131 Resp: 482387

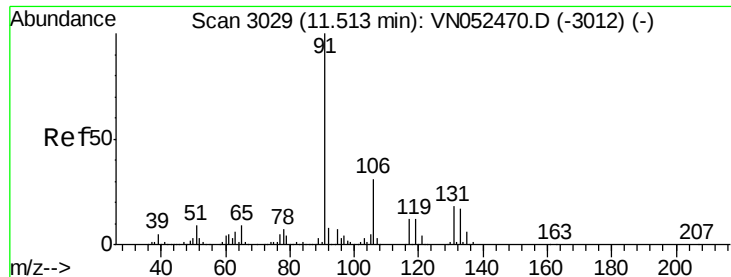
Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.8

119 66.4 33.2 99.6





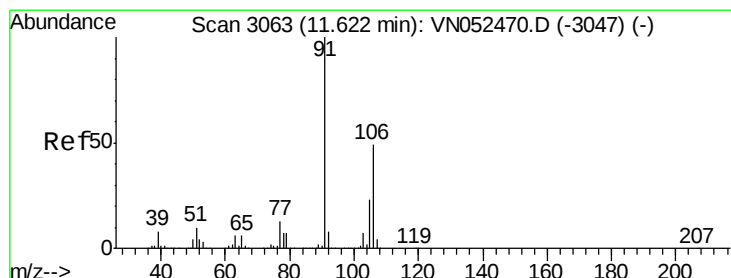
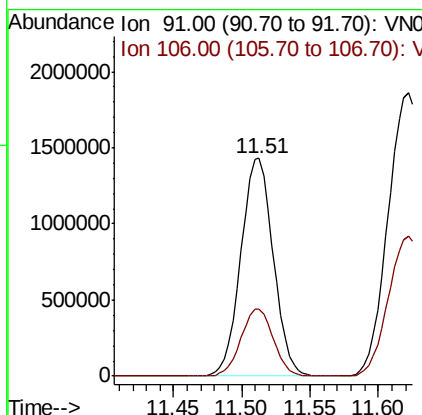
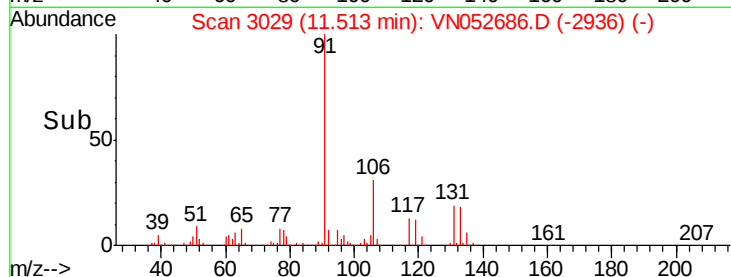
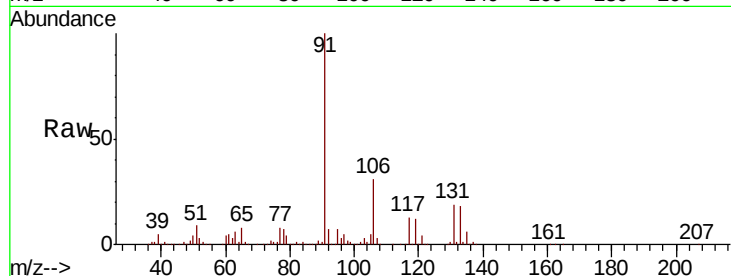
#67
Ethyl Benzene
Concen: 49.901 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2358179
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3

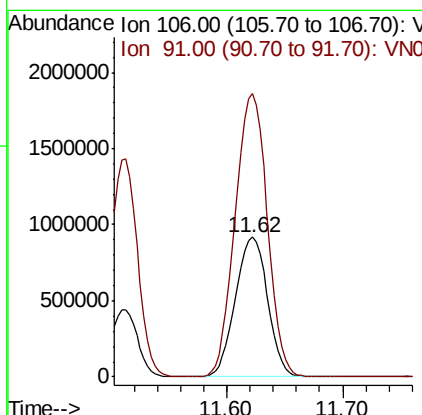
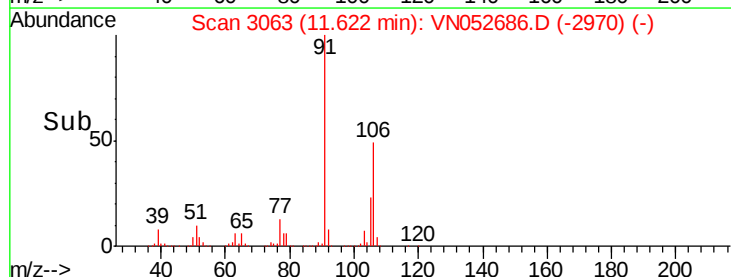
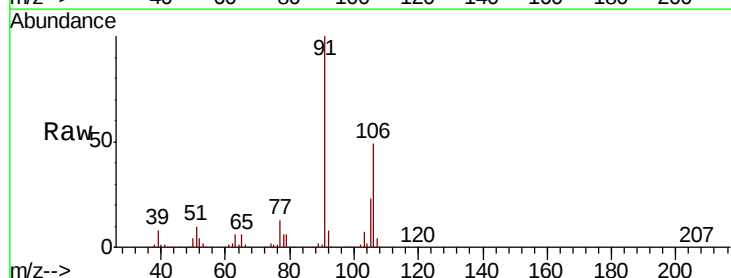
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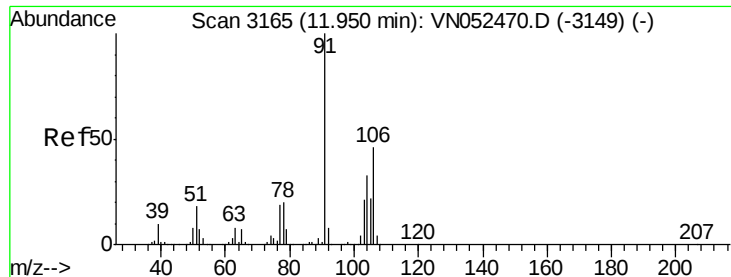
MMDadoda
12/6/2018 9:09:06 AM



#68
m/p-Xylenes
Concen: 100.548 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion: 106 Resp: 1768916
Ion Ratio Lower Upper
106 100
91 202.6 163.2 244.8





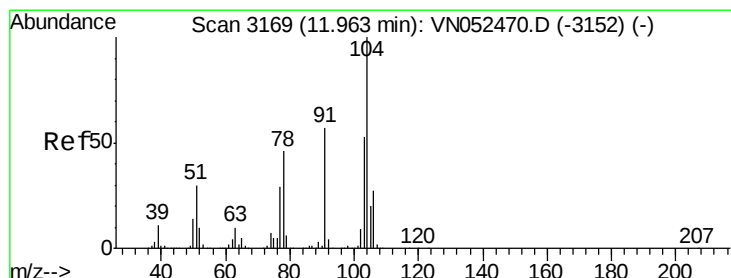
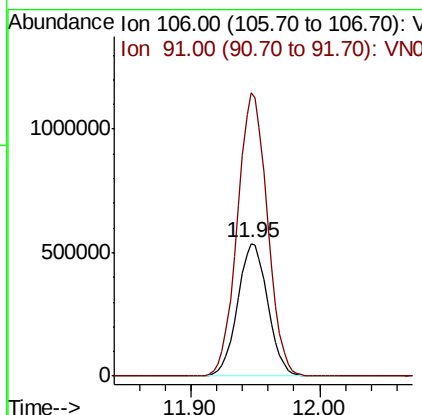
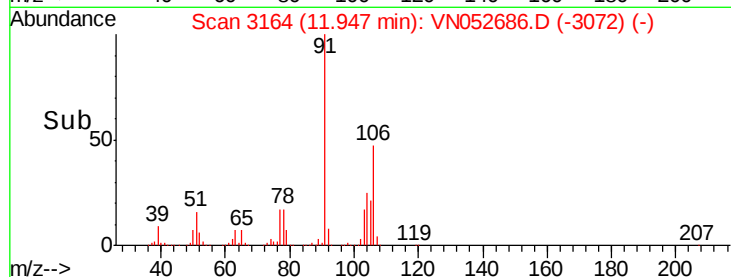
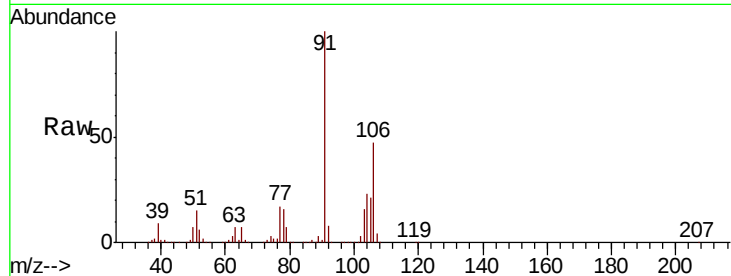
#69
o-Xylene
Concen: 50.934 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 870164
Ion Ratio Lower Upper
106 100
91 213.6 107.7 323.1

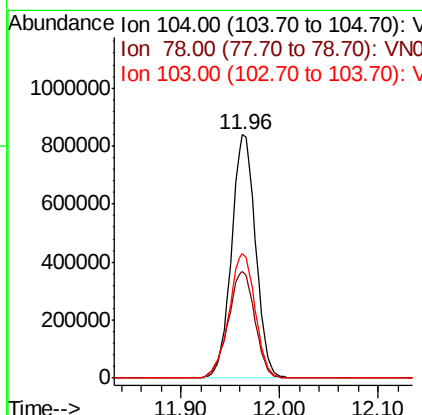
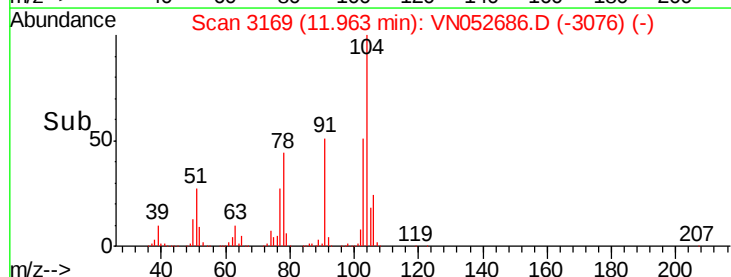
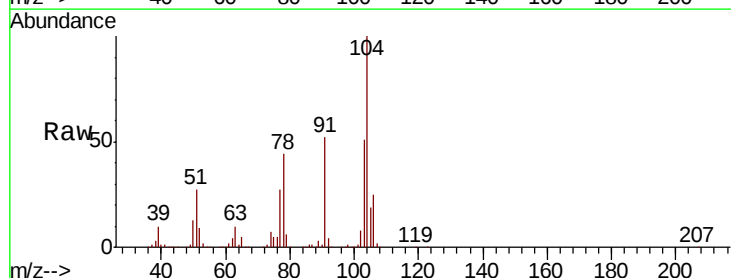
Manual Integrations
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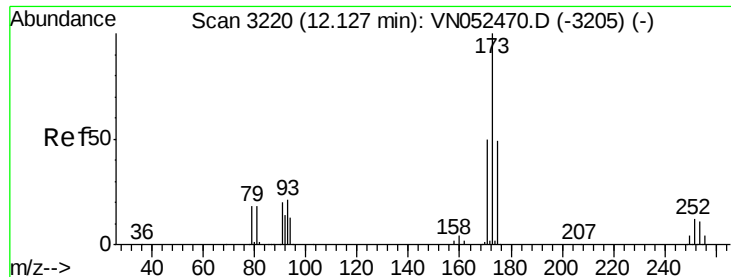
MMDadoda
12/6/2018 9:09:06 AM



#70
Styrene
Concen: 52.385 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion:104 Resp: 1425444
Ion Ratio Lower Upper
104 100
78 48.6 39.4 59.2
103 55.5 44.9 67.3





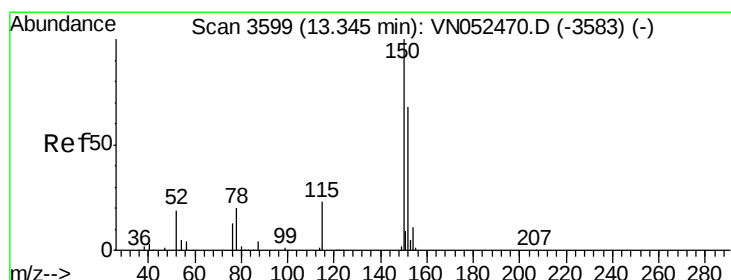
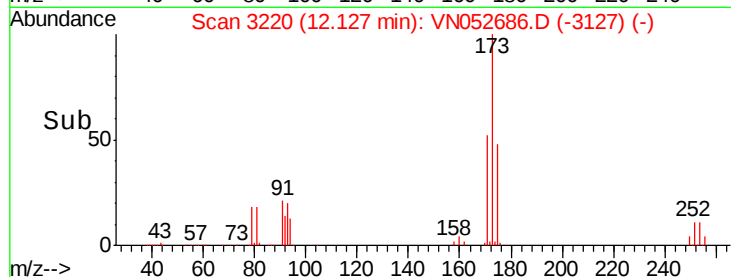
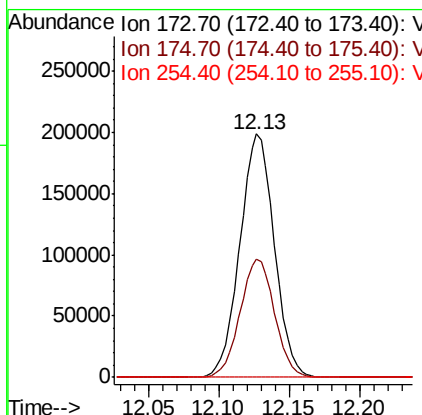
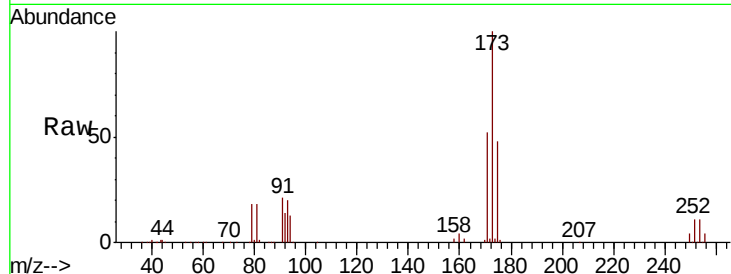
#71
Bromoform
Concen: 54.797 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.2	0.1	0.1#

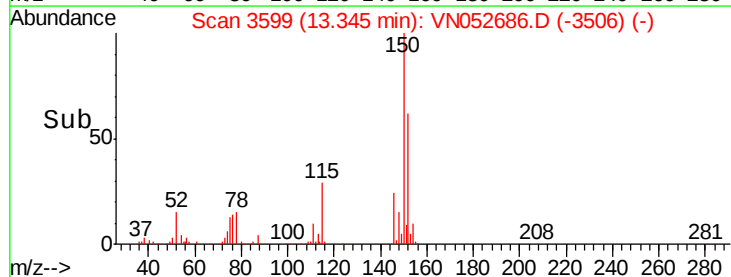
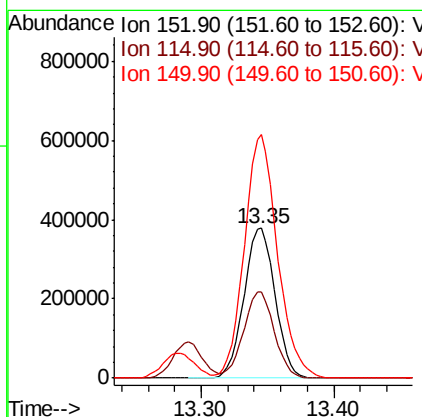
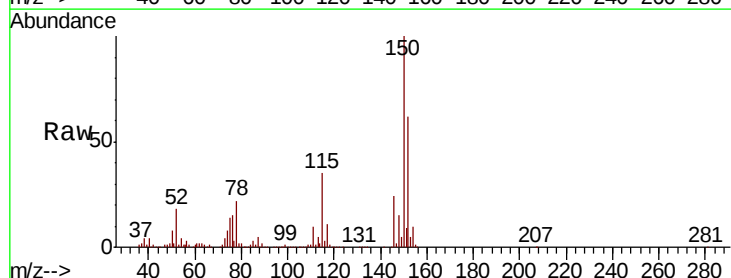
Manual Integrations
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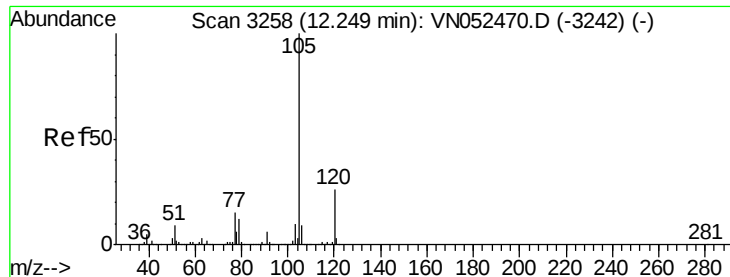
MMDadoda
12/6/2018 9:09:06 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.4	85.2
150	172.9	0.0	346.0





#73

Isopropylbenzene

Concen: 48.074 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 2319854

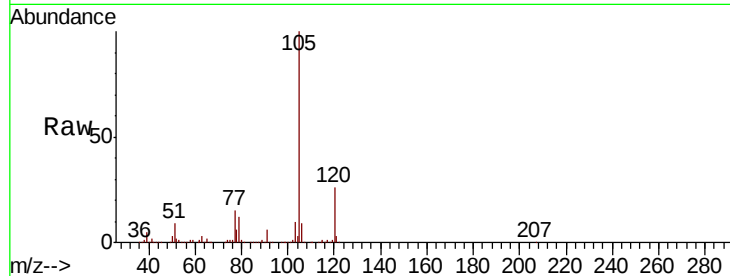
Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3

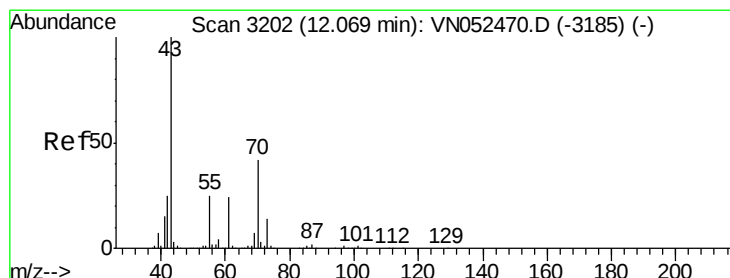
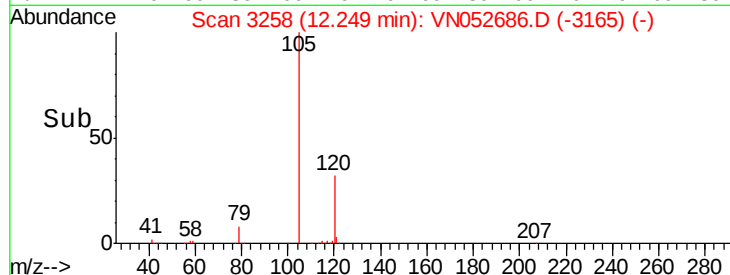
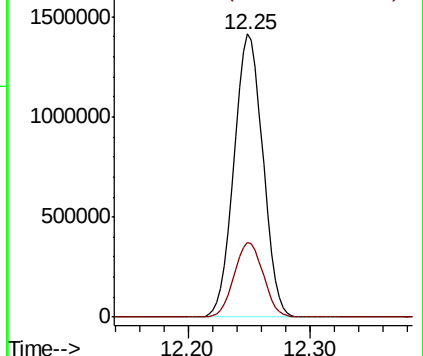
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.642 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Tgt Ion: 43 Resp: 641780

Ion Ratio Lower Upper

43 100

70 43.0 33.8 50.8

55 25.3 20.0 30.0

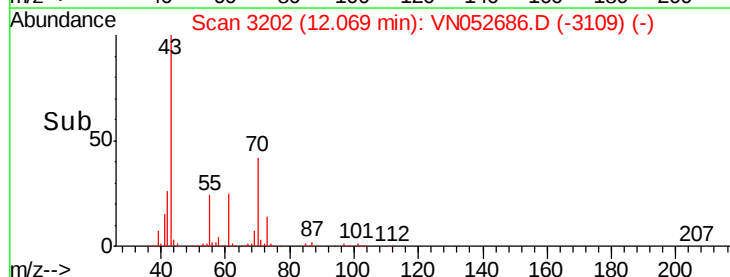
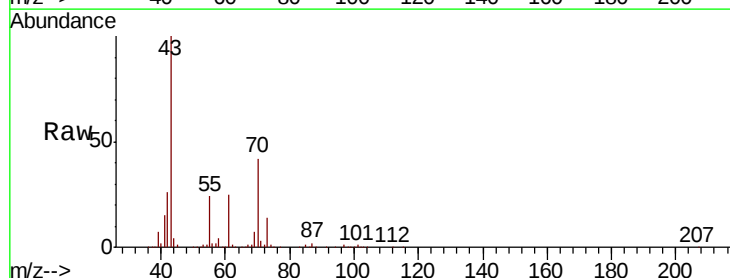
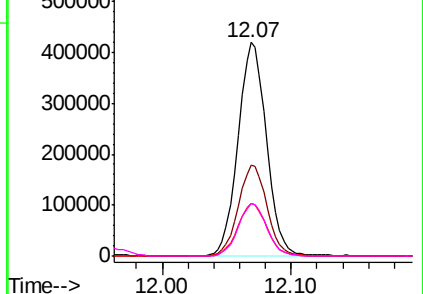
61 24.7 19.7 29.5

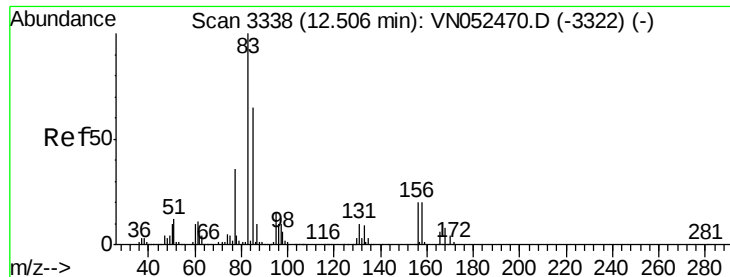
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.431 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

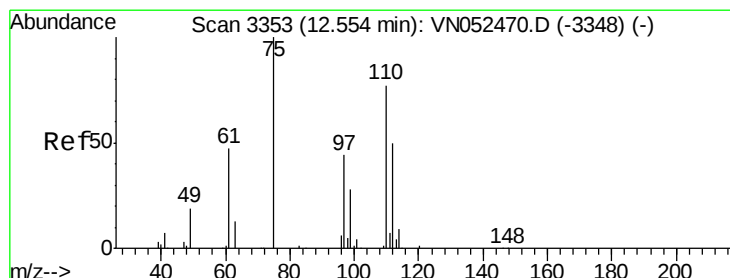
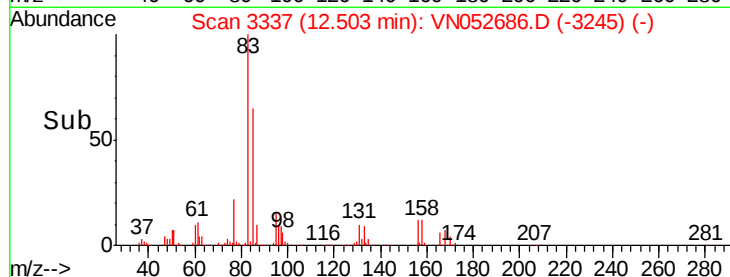
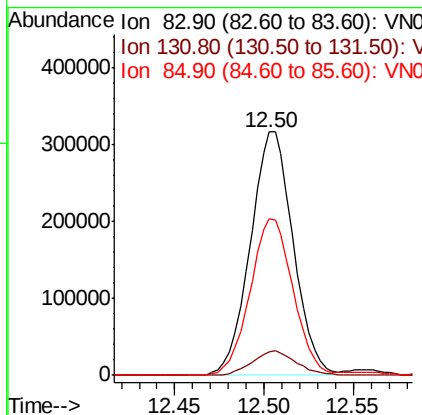
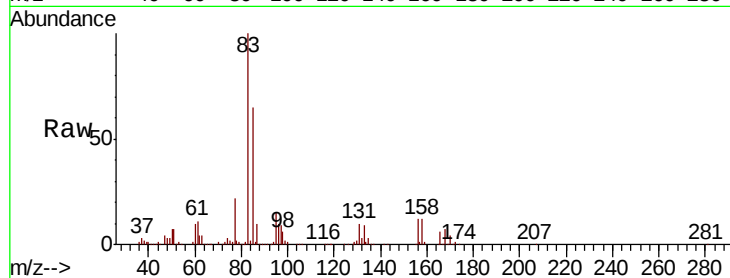
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	531642
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	64.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.891 ug/l m

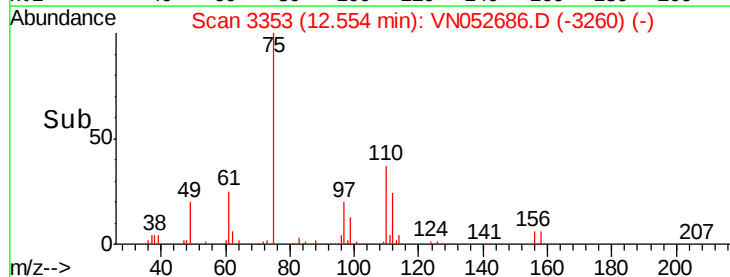
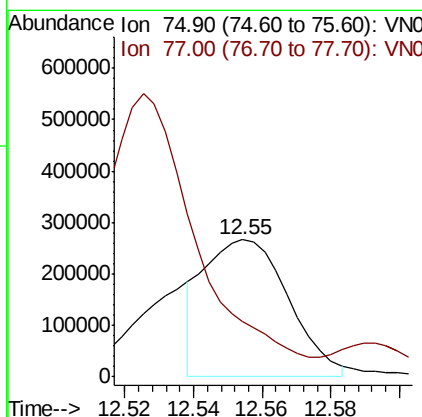
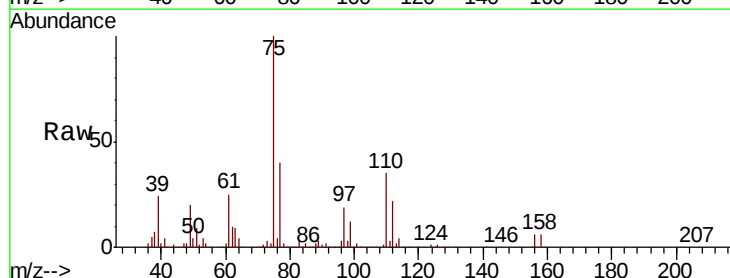
RT: 12.55 min Scan# 3353

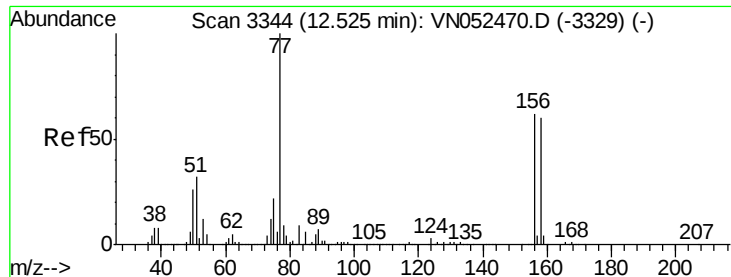
Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Tgt Ion:	75	Resp:	454237
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.278 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

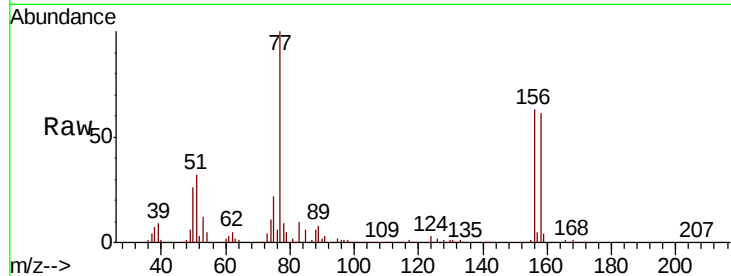
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	587771
Ion Ratio	Lower	Upper	
156	100		
77	182.4	93.5	280.4
158	96.7	48.3	144.9

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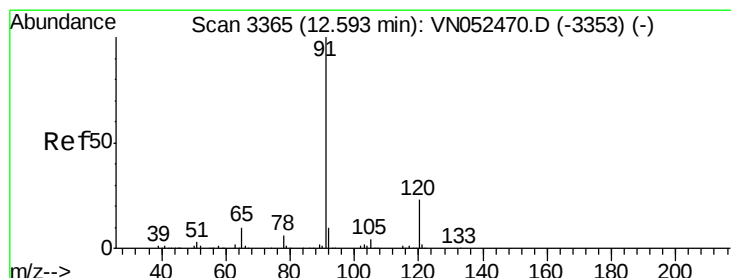
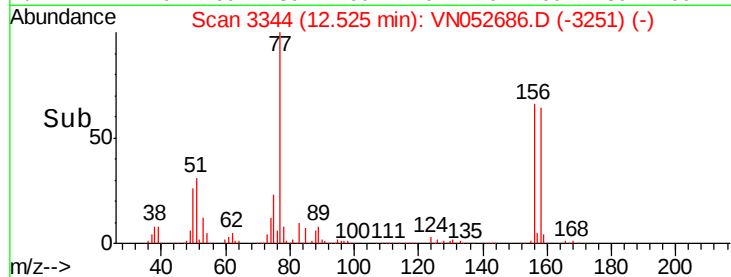
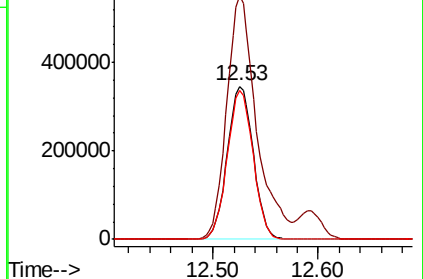
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.610 ug/l

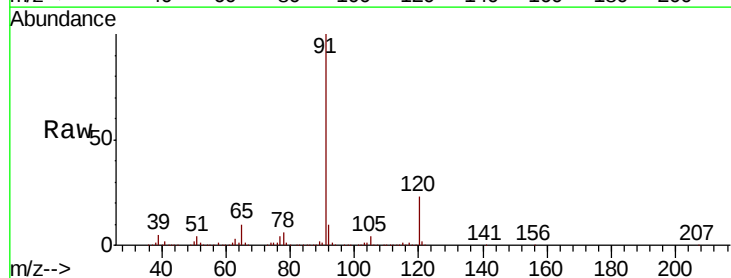
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052686.D

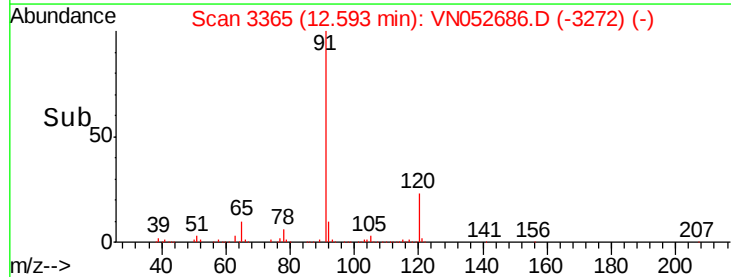
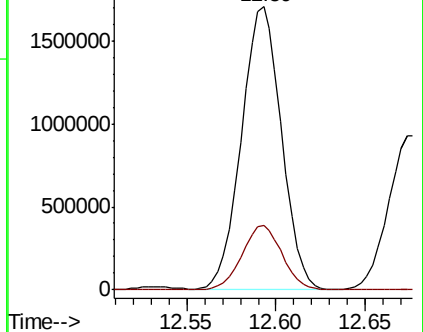
Acq: 5 Dec 2018 19:34

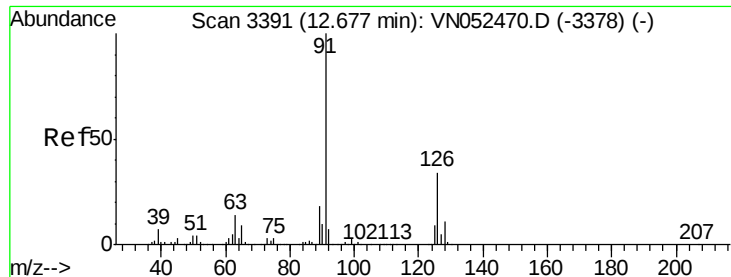
Tgt Ion:	91	Resp:	2664875
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.577 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1553225

Ion Ratio Lower Upper

91 100

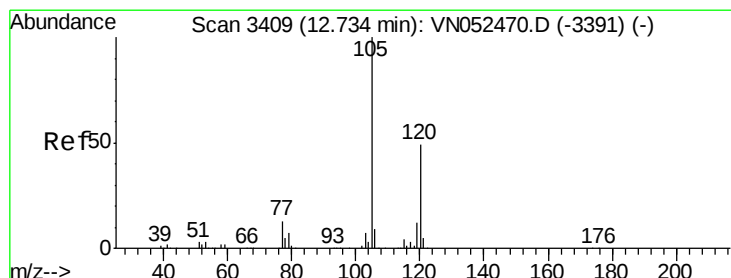
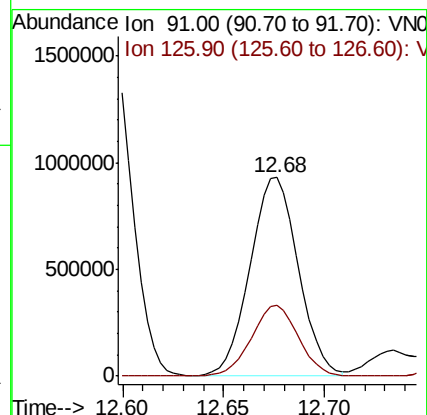
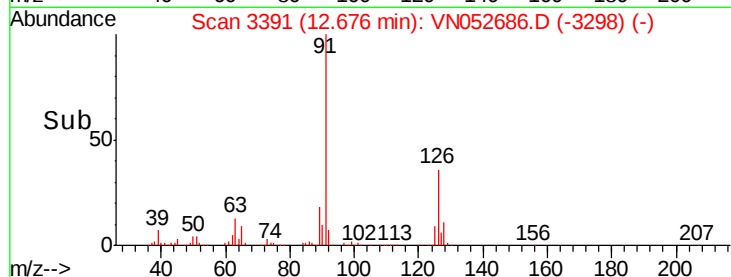
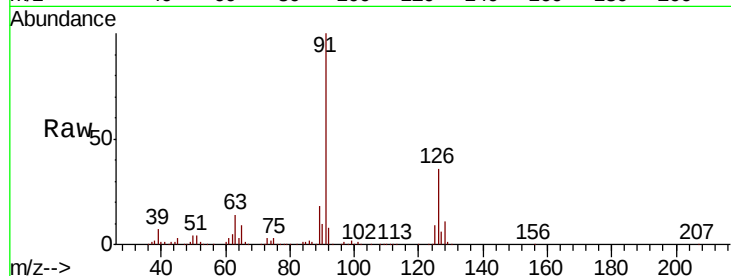
126 34.8 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.719 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052686.D

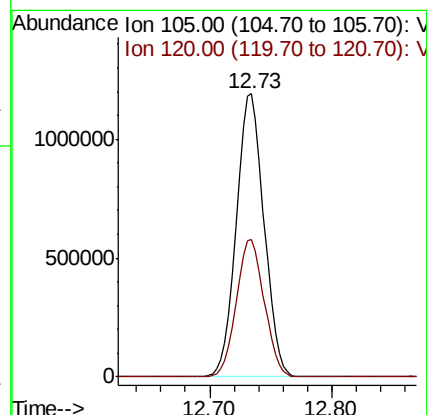
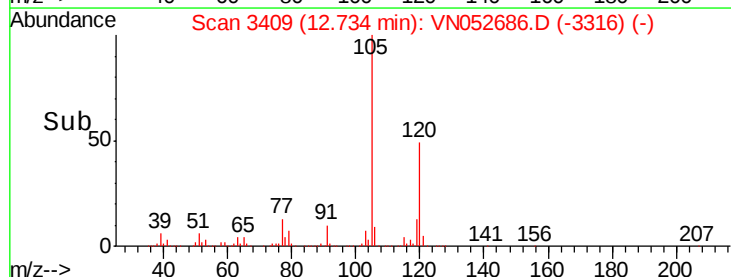
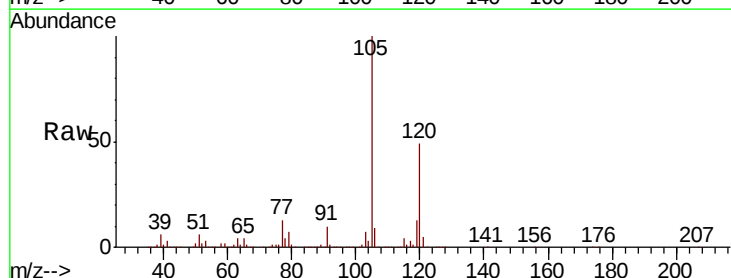
Acq: 5 Dec 2018 19:34

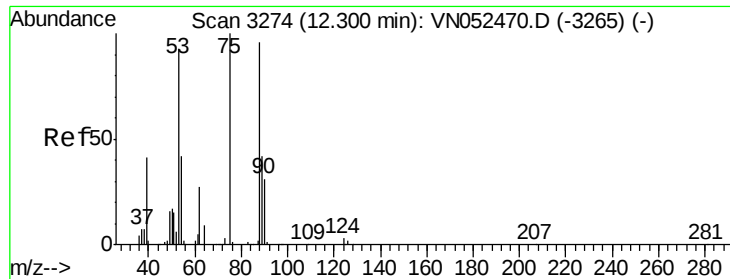
Tgt Ion: 105 Resp: 1875021

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0





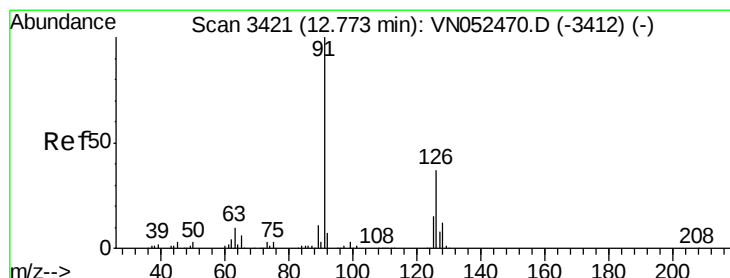
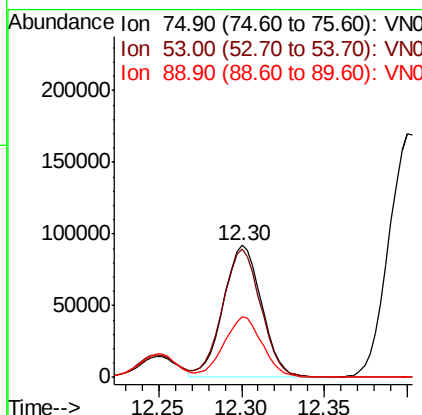
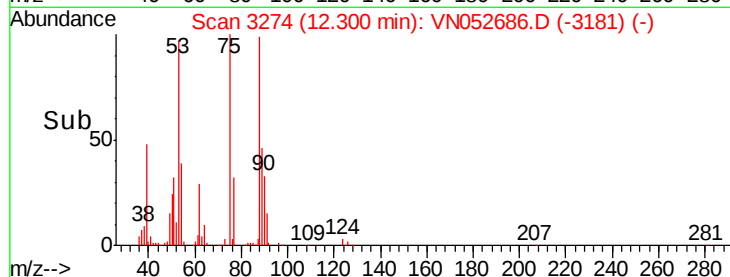
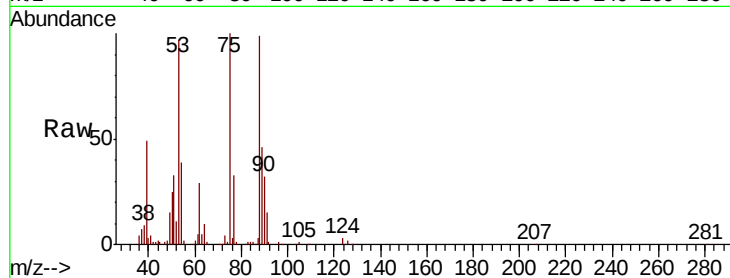
#81
trans-1,4-Dichloro-2-butene
Concen: 52.555 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	77.4	116.0
89	45.4	35.4	53.2

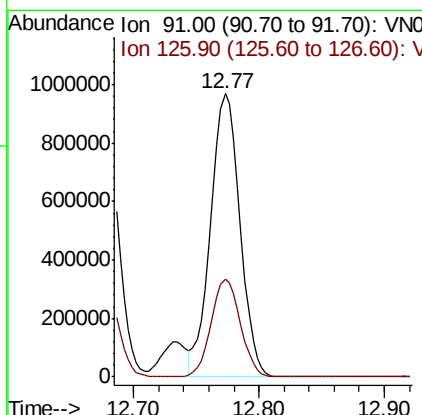
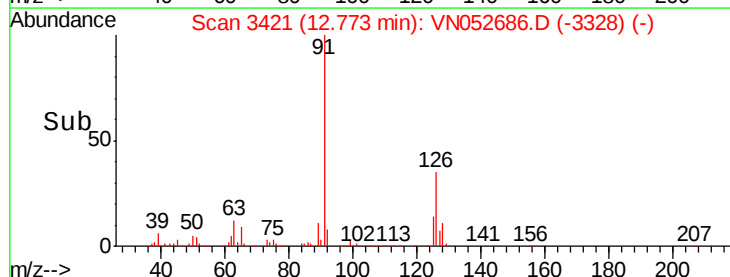
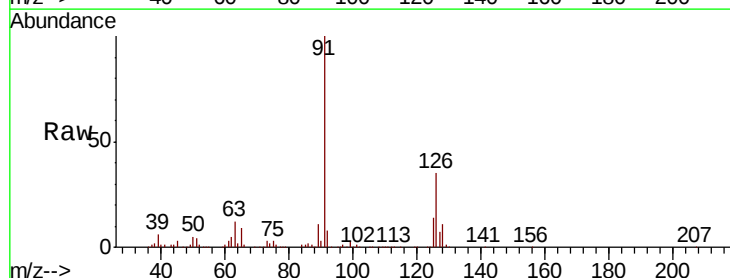
Manual Integrations
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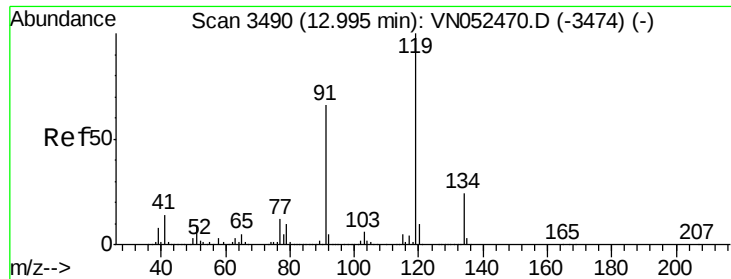
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#82
4-Chlorotoluene
Concen: 47.783 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.9	50.6





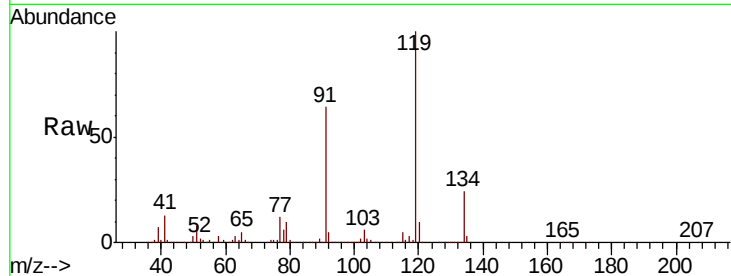
#83
 tert-Butylbenzene
 Concen: 48.761 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

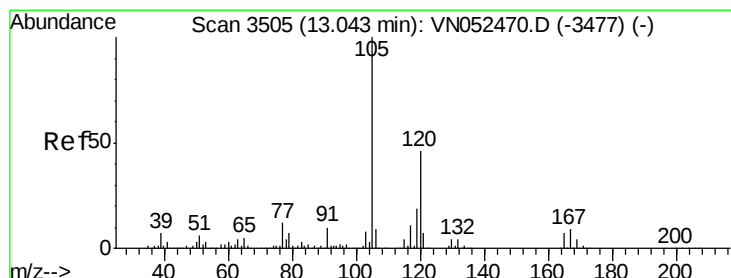
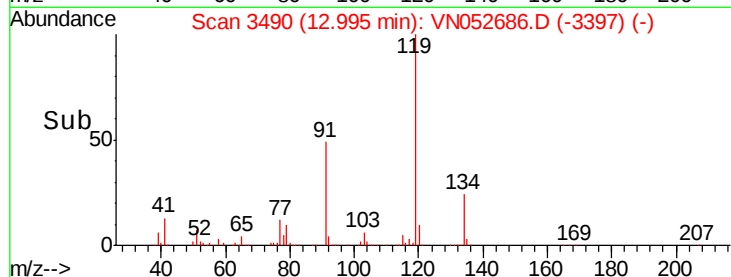
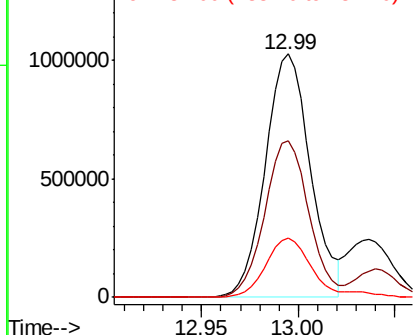
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	32.3	96.9
134	25.6	13.0	38.9

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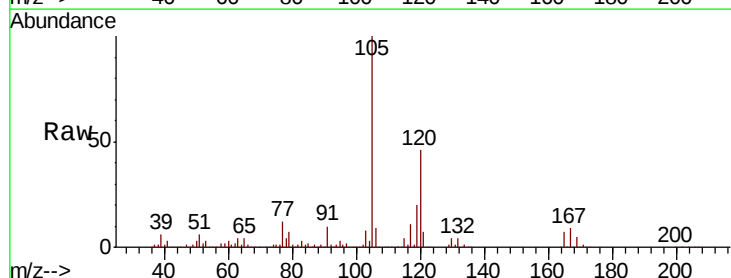


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

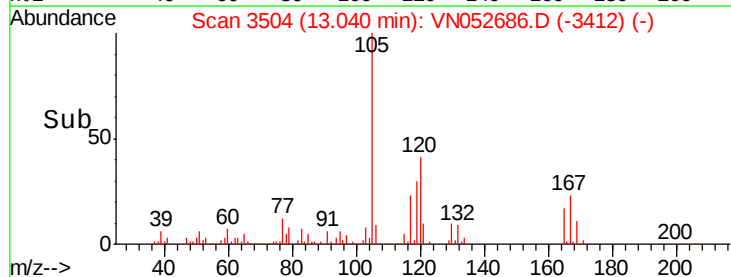
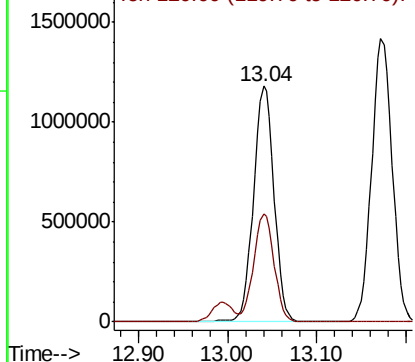


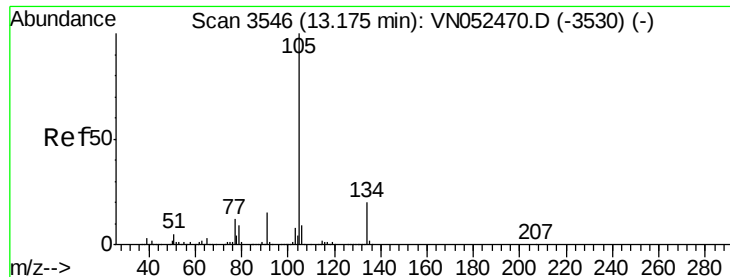
#84
 1,2,4-Trimethylbenzene
 Concen: 49.264 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	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: 48.345 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2259275

Ion Ratio Lower Upper

105 100

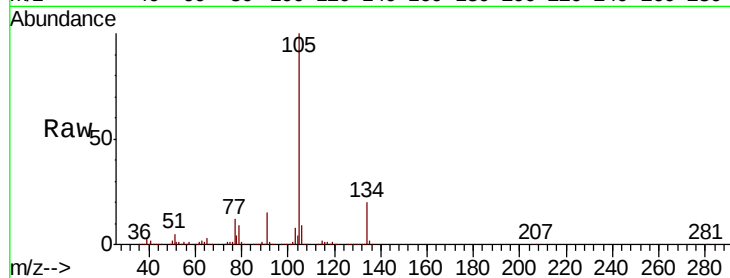
134 20.1 9.9 29.7

Manual Integrations

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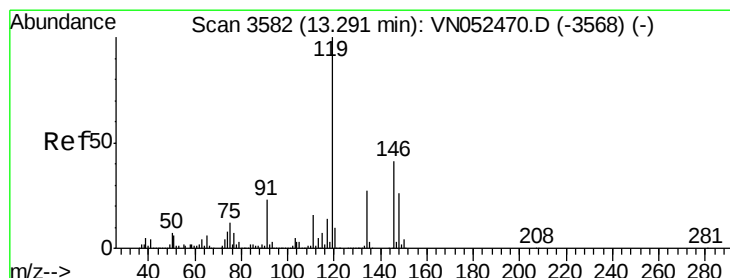
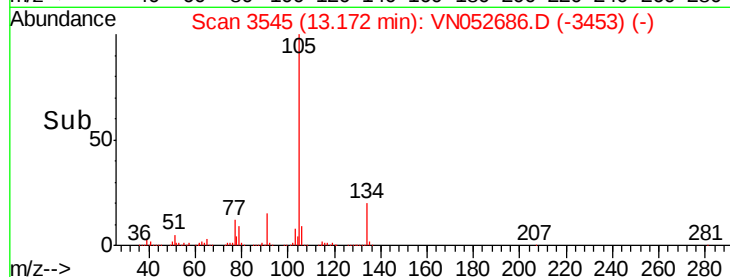
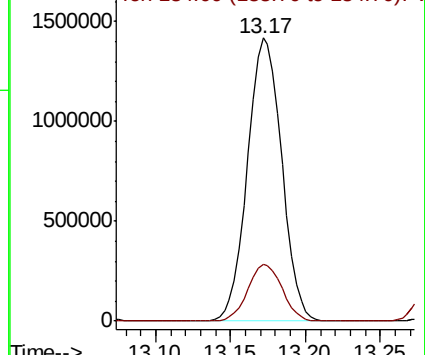
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.009 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

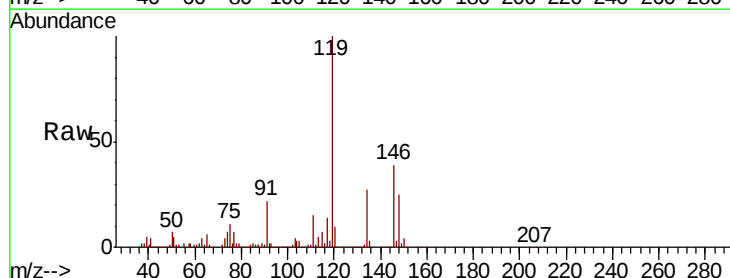
Tgt Ion:119 Resp: 1950723

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

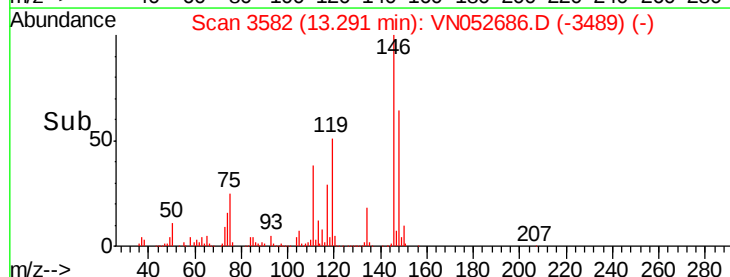
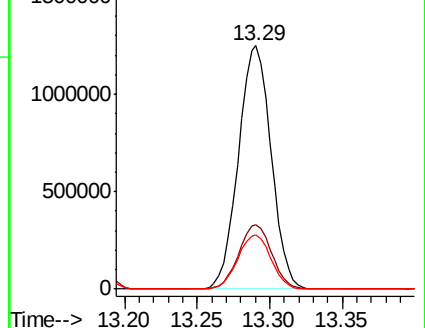
91 22.6 11.4 34.2

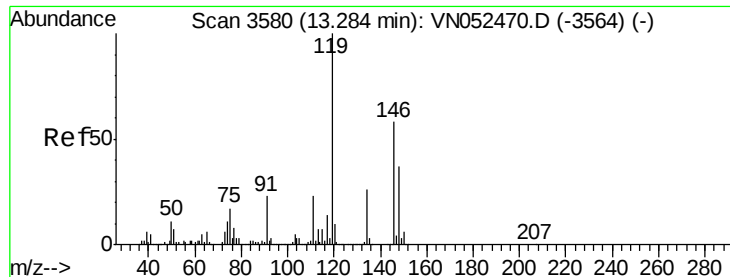


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.797 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1018109

Ion Ratio Lower Upper

146 100

111 38.4 19.4 58.4

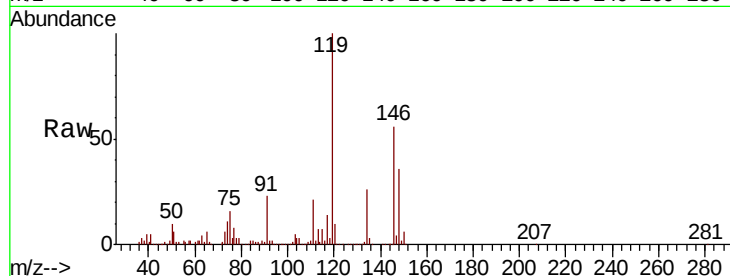
148 64.2 31.8 95.4

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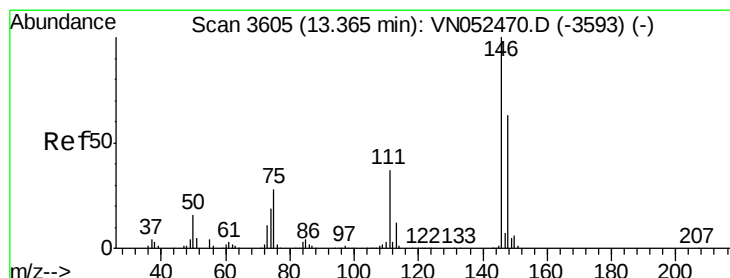
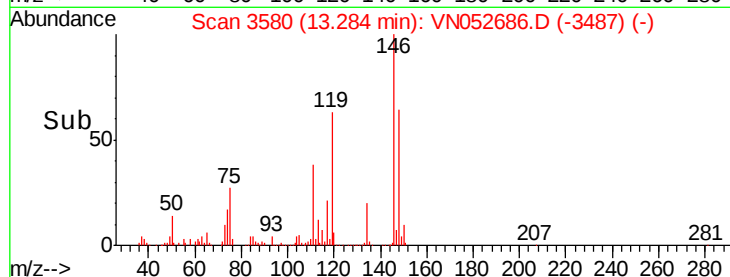
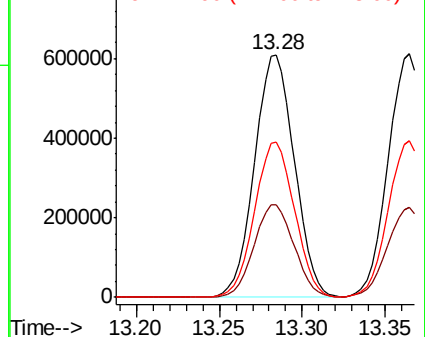


Abundance

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: 48.865 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052686.D

Acq: 5 Dec 2018 19:34

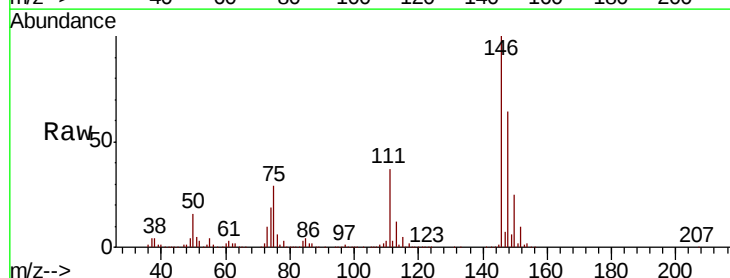
Tgt Ion:146 Resp: 1004229

Ion Ratio Lower Upper

146 100

111 37.3 18.6 56.0

148 64.3 31.9 95.9

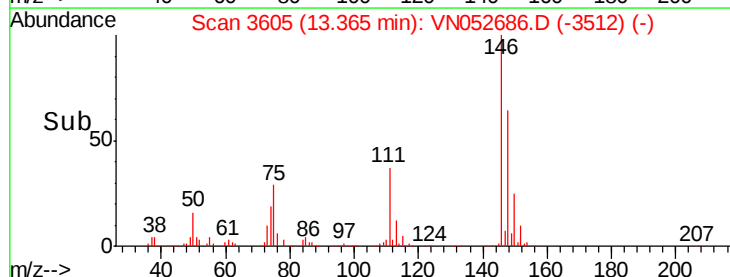
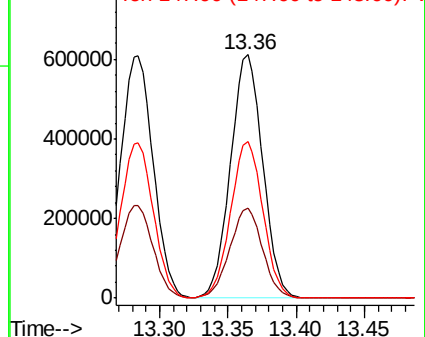


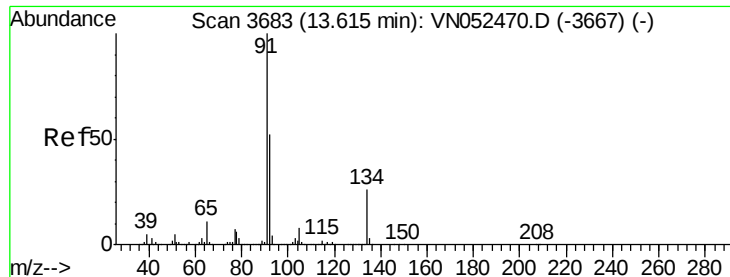
Abundance

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





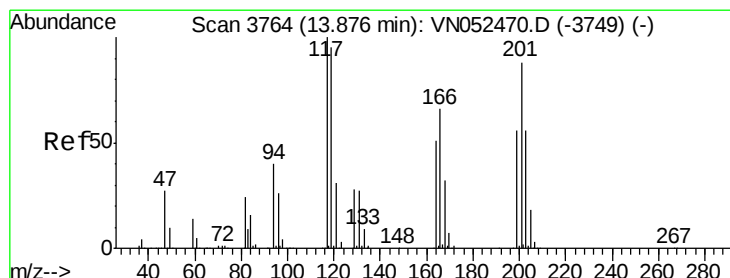
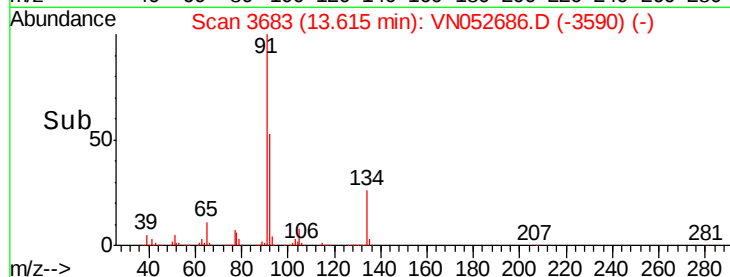
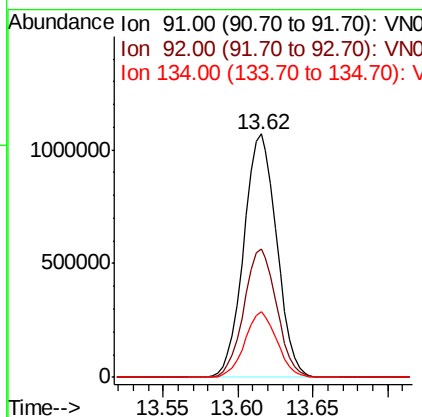
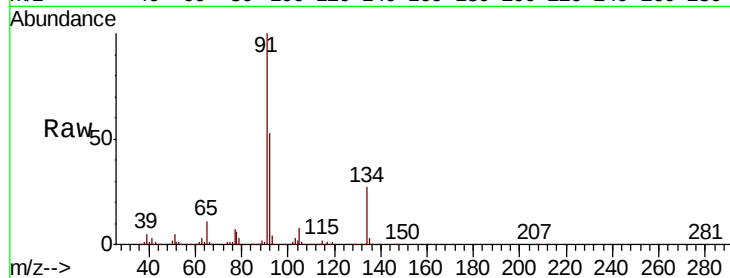
#89
n-Butylbenzene
Concen: 49.456 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.3
134	26.3	13.0	38.9

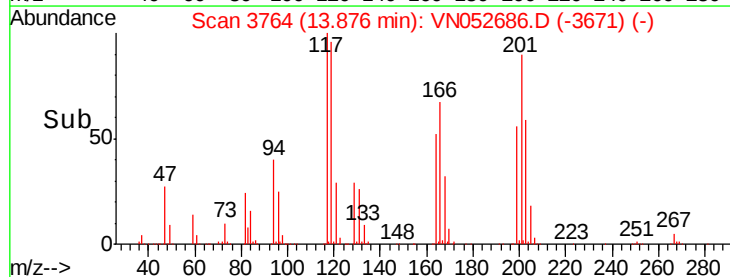
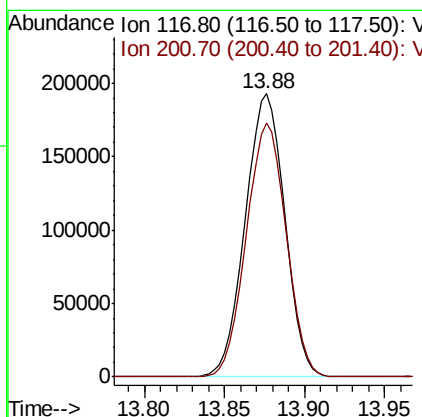
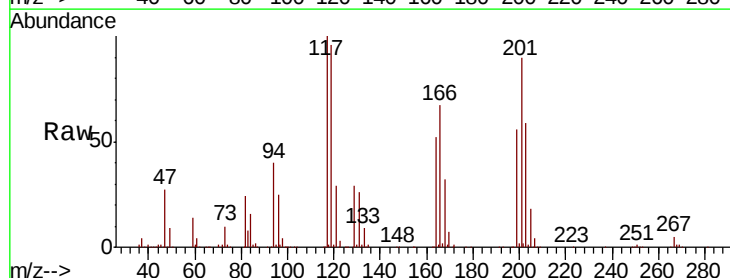
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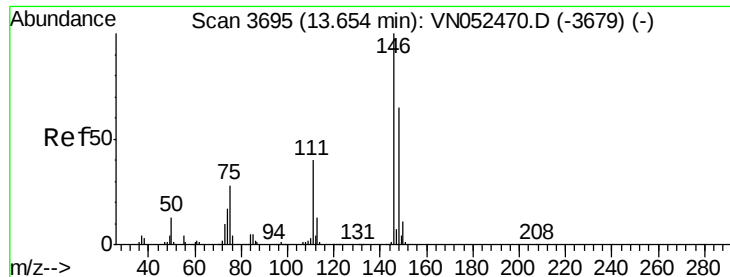
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12/6/2018 9:09:06 AM



#90
Hexachloroethane
Concen: 48.434 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	43.6	130.9





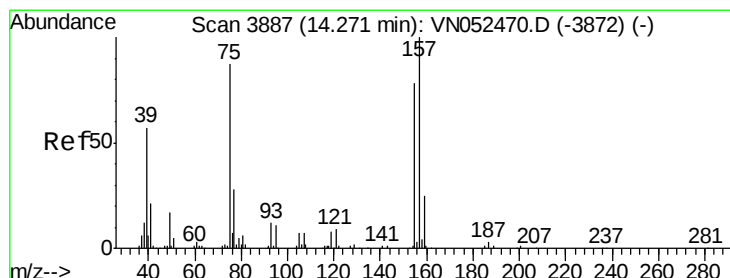
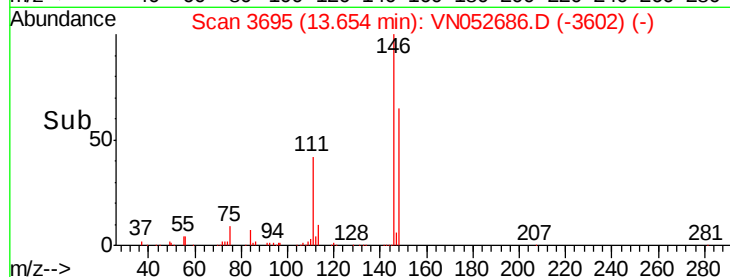
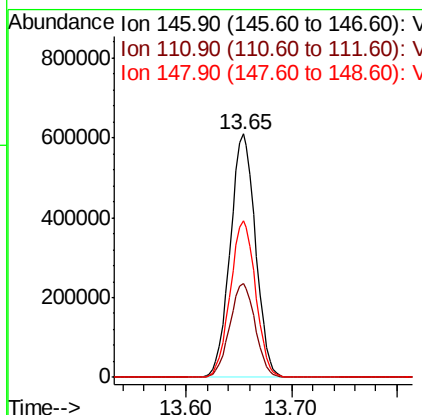
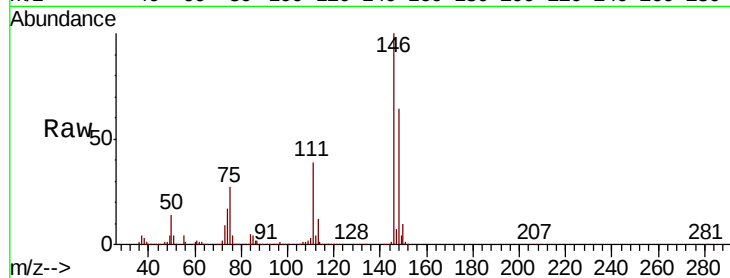
#91
 1,2-Dichlorobenzene
 Concen: 50.554 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	60.0
148	64.6	32.0	96.2

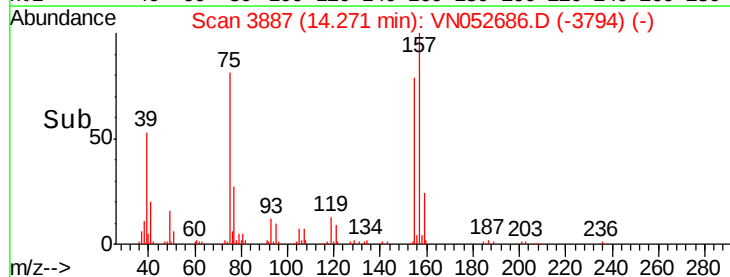
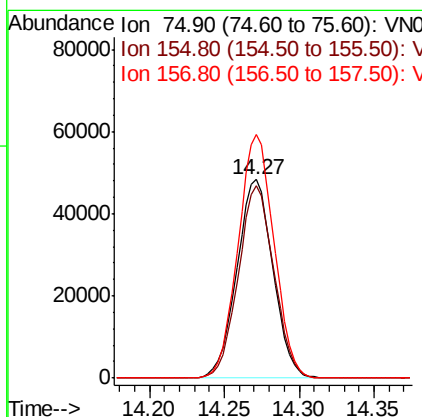
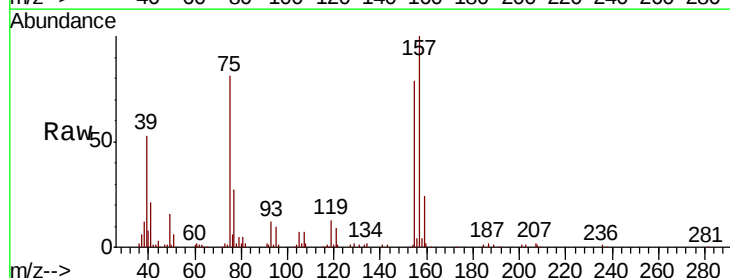
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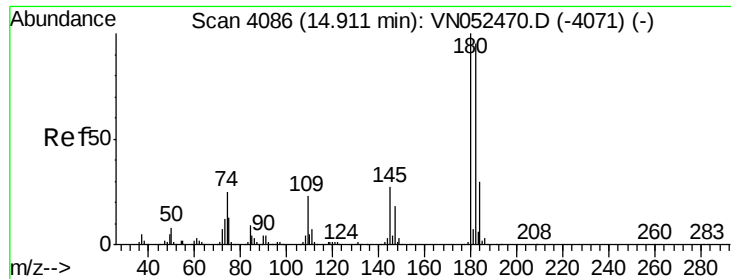
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.841 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	45.3	135.9
157	121.5	58.1	174.2





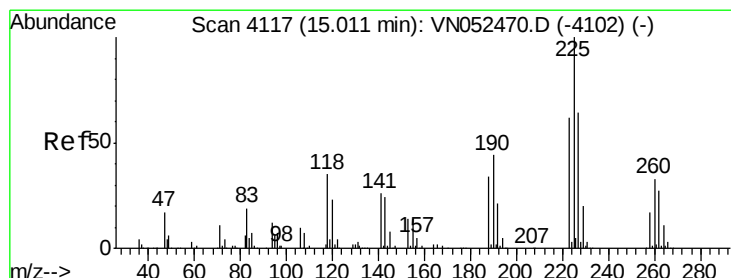
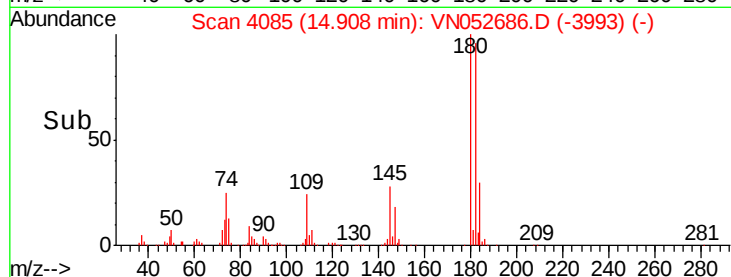
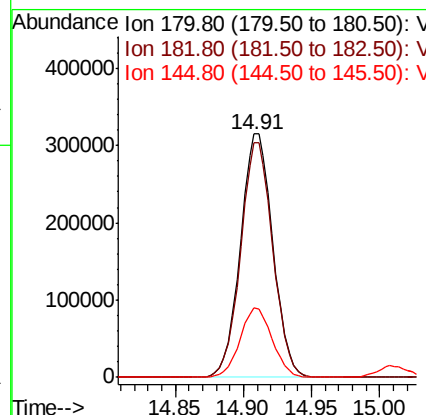
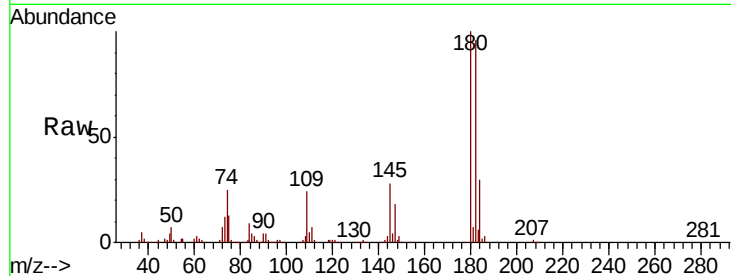
#93
 1,2,4-Trichlorobenzene
 Concen: 47.512 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	517191		
182	95.8	47.8	143.4	
145	28.3	14.1	42.3	

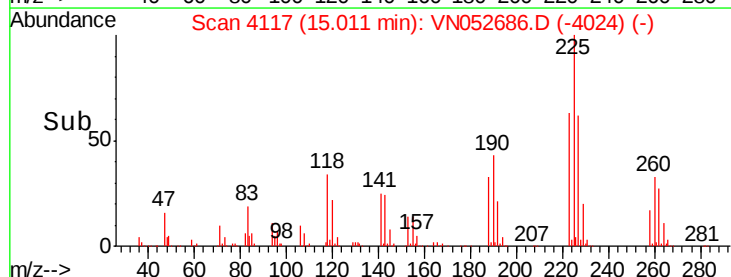
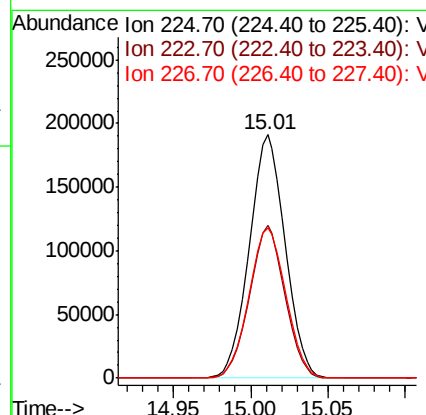
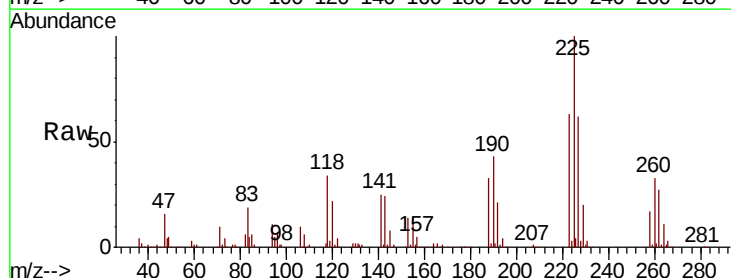
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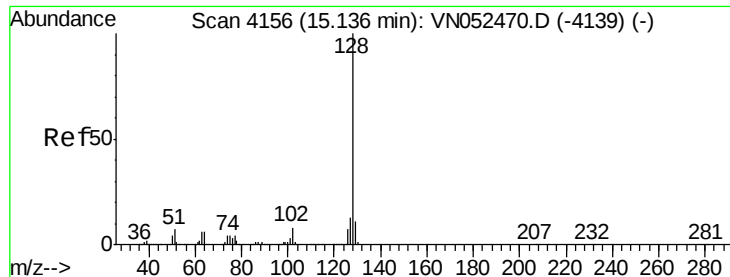
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 12/6/2018 9:09:06 AM



#94
 Hexachlorobutadiene
 Concen: 48.055 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052686.D
 Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	308162		
223	61.9	31.4	94.2	
227	63.5	32.5	97.4	





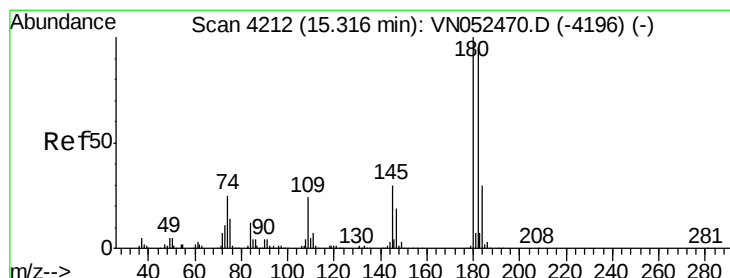
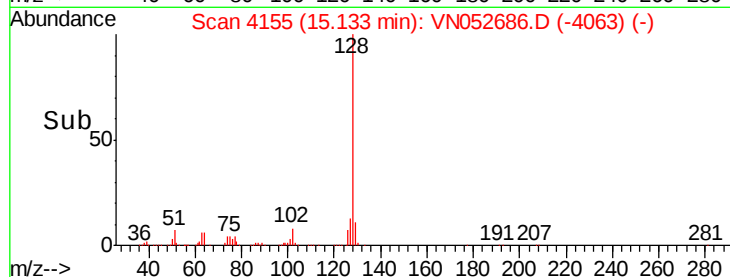
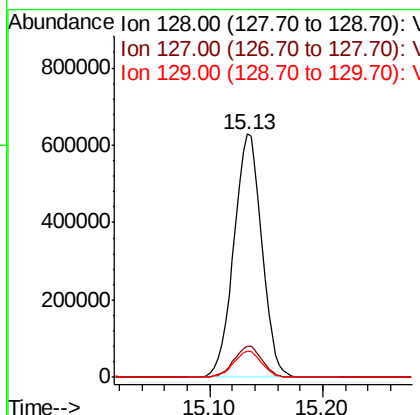
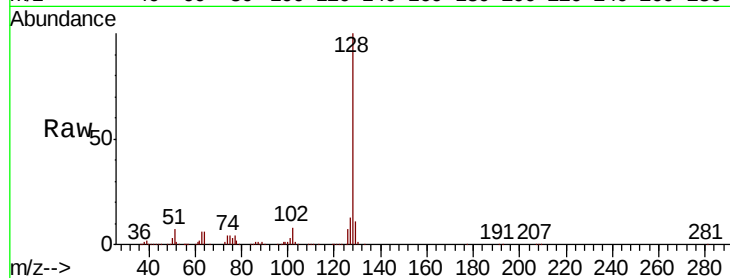
#95
Naphthalene
Concen: 47.009 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.346 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052686.D
Acq: 5 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	30.1	15.2	45.5

