

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062421\
 Data File : VN067480.D
 Acq On : 24 Jun 2021 13:46
 Operator : JC/MD
 Sample : VN0624WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 25 02:13:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 24 12:18:45 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

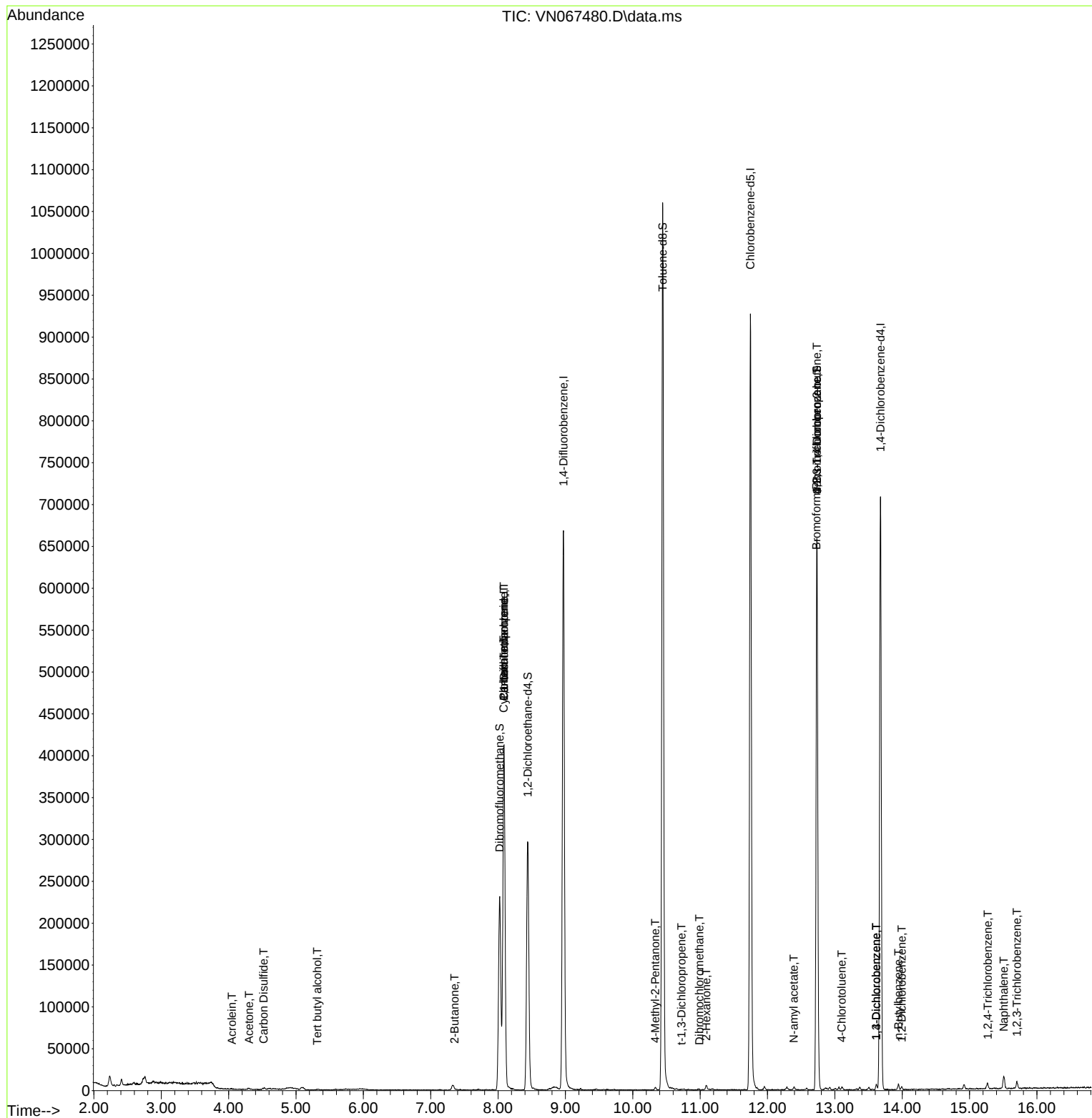
Internal Standards						
1) Pentafluorobenzene	8.088	168	257742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	542430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	485267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	160638	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	249603	47.32	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 94.64%			
35) Dibromofluoromethane	8.024	113	168040	50.28	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.56%			
50) Toluene-d8	10.443	98	719210	50.46	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.92%			
62) 4-Bromofluorobenzene	12.734	95	244466	48.14	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.28%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.315	59	369	0.43	ug/l #	71
13) Acrolein	4.047	56	253	0.35	ug/l #	21
16) Acetone	4.301	43	1969	0.98	ug/l	90
17) Carbon Disulfide	4.521	76	3943	0.34	ug/l #	90
25) 2-Butanone	7.354	43	745	0.24	ug/l #	51
31) Cyclohexane	8.083	56	9986	1.18	ug/l #	38
36) 1,1-Dichloropropene	8.088	75	32211	5.27	ug/l #	50
38) Carbon Tetrachloride	8.086	117	32429	6.23	ug/l #	17
51) 4-Methyl-2-Pentanone	10.336	43	2256	0.35	ug/l #	84
53) t-1,3-Dichloropropene	10.722	75	87	2.01	ug/l	94
59) 2-Hexanone	11.089	43	4543	0.99	ug/l	89
60) Dibromochloromethane	10.988	129	398	2.12	ug/l #	11
71) Bromoform	12.728	173	793	2.94	ug/l #	29
74) N-amyl acetate	12.390	43	2567	0.33	ug/l #	87
76) 1,2,3-Trichloropropane	12.734	75	140414	29.70	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	140414	81.27	ug/l #	6
82) 4-Chlorotoluene	13.104	91	2649	0.22	ug/l	89
87) 1,3-Dichlorobenzene	13.613	146	1665	0.30	ug/l	96
88) 1,4-Dichlorobenzene	13.613	146	1665	0.30	ug/l	97
89) n-Butylbenzene	13.943	91	4205	0.36	ug/l	95
91) 1,2-Dichlorobenzene	13.994	146	1539	0.29	ug/l	88
93) 1,2,4-Trichlorobenzene	15.271	180	1924	3.01	ug/l	99
95) Naphthalene	15.507	128	12060	4.59	ug/l	99
96) 1,2,3-Trichlorobenzene	15.703	180	2331	3.39	ug/l	92

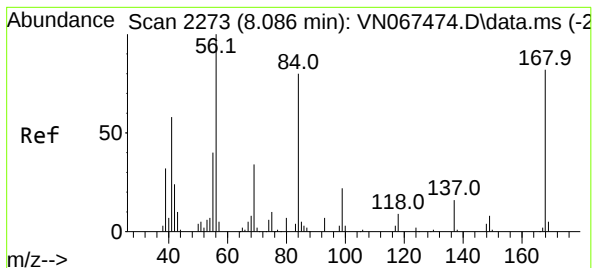
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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MSVOA_N
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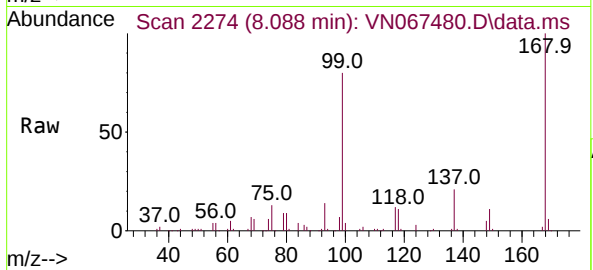
Quant Time: Jun 25 02:13:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062421W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 24 12:18:45 2021
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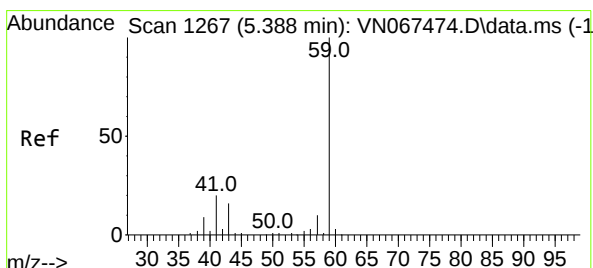
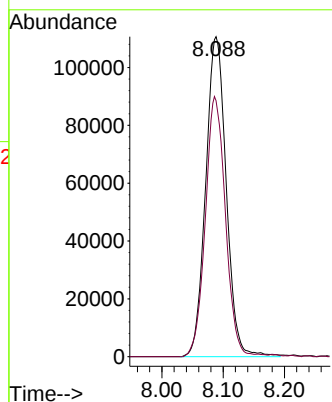
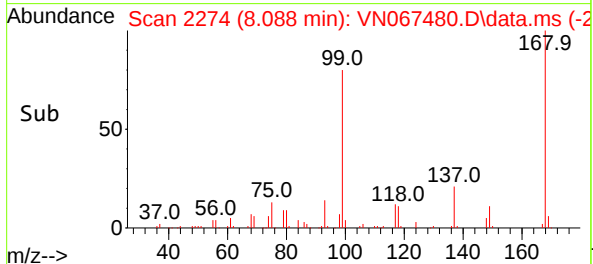


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

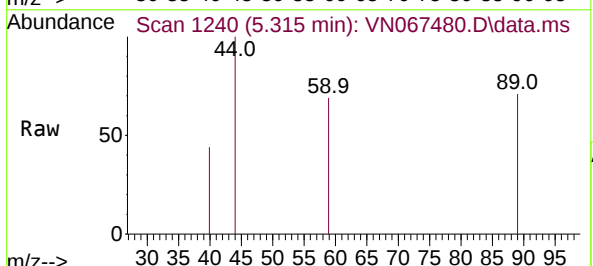
Instrument :
MSVOA_N
ClientSampleId :



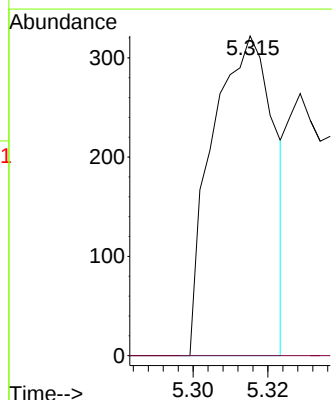
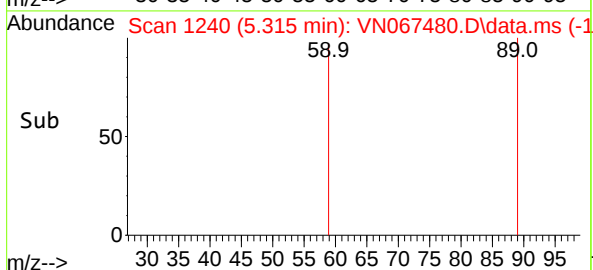
Tgt Ion:168 Resp: 257742
Ion Ratio Lower Upper
168 100
99 80.0 62.9 94.3

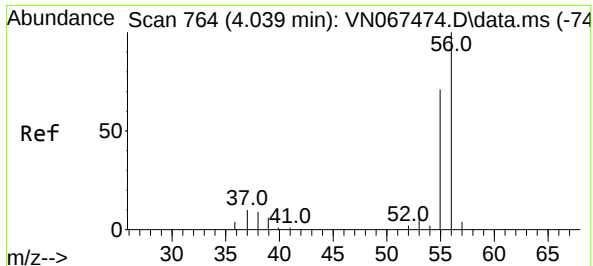


#11
Tert butyl alcohol
Concen: 0.43 ug/l
RT: 5.315 min Scan# 1240
Delta R.T. -0.073 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46



Tgt Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

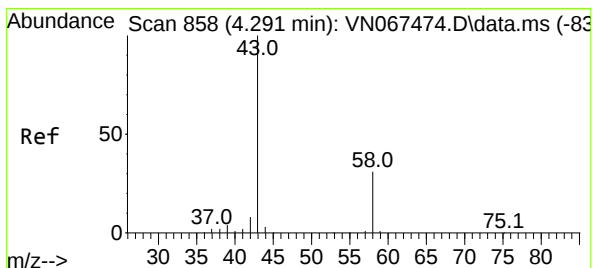
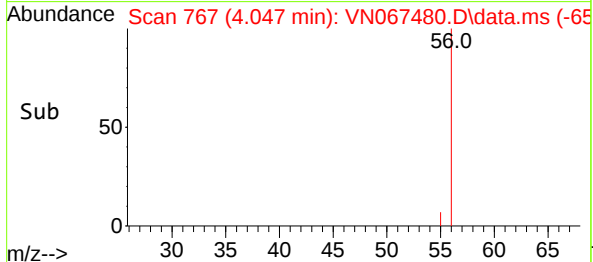
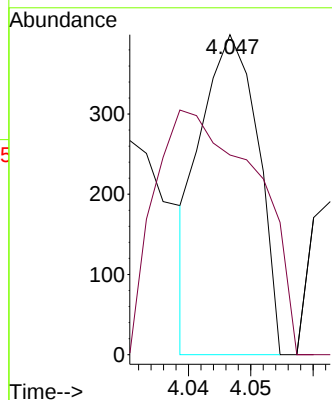
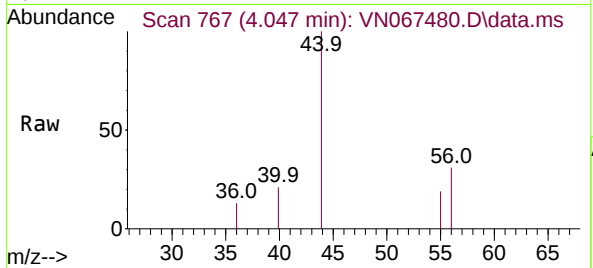




#13
Acrolein
Concen: 0.35 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

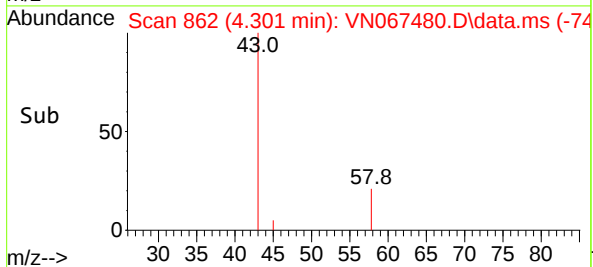
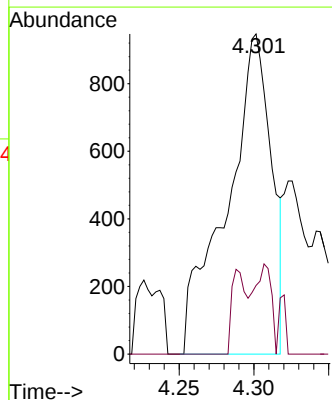
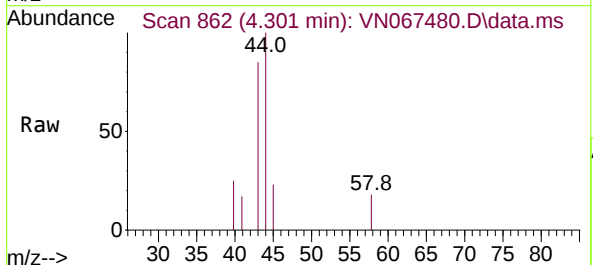
Instrument :
MSVOA_N
ClientSampled :

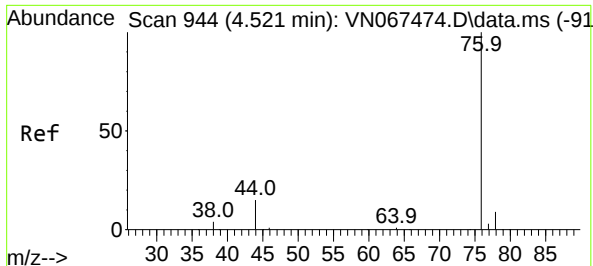
Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 137.2 57.4 86.0#



#16
Acetone
Concen: 0.98 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion: 43 Resp: 1969
Ion Ratio Lower Upper
43 100
58 21.4 21.2 31.8





#17

Carbon Disulfide

Concen: 0.34 ug/l

RT: 4.521 min Scan# 944

Delta R.T. 0.000 min

Lab File: VN067480.D

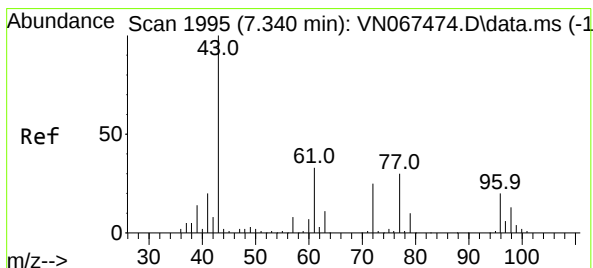
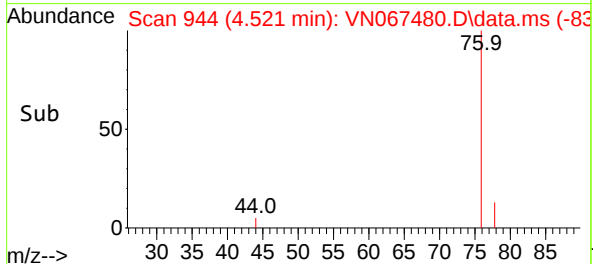
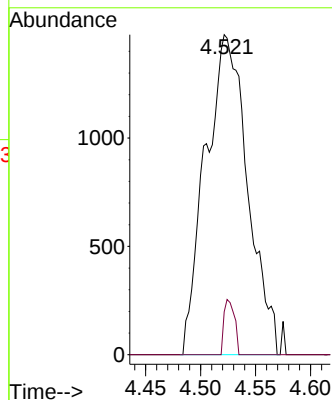
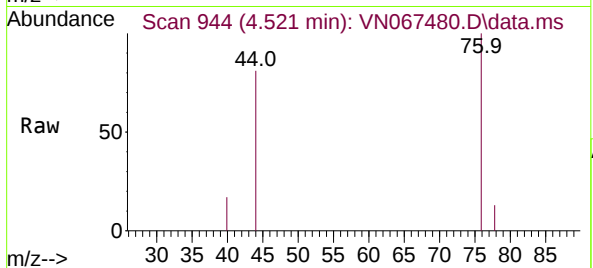
Acq: 24 Jun 2021 13:46

Tgt Ion: 76 Resp: 3943

Ion Ratio Lower Upper

76 100

78 13.4 7.7 11.5#



#25

2-Butanone

Concen: 0.24 ug/l

RT: 7.354 min Scan# 2000

Delta R.T. 0.014 min

Lab File: VN067480.D

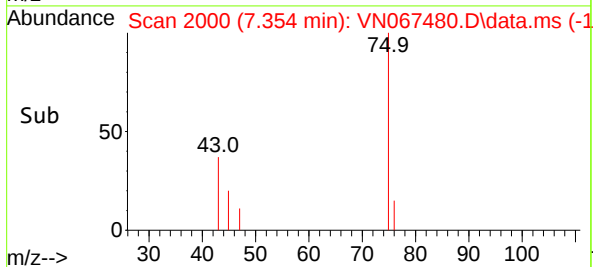
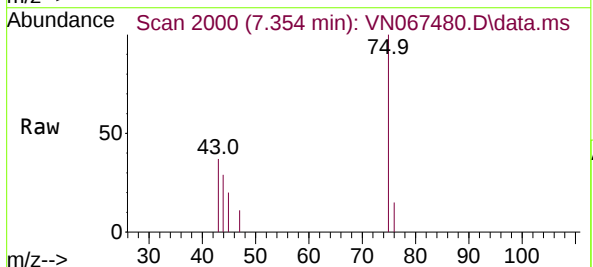
Acq: 24 Jun 2021 13:46

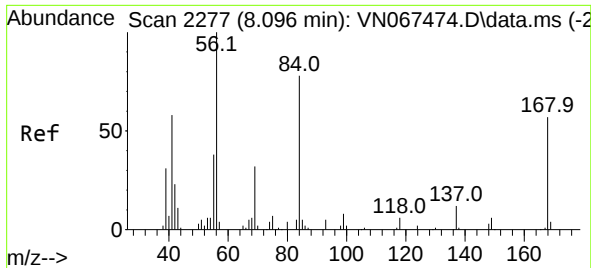
Tgt Ion: 43 Resp: 745

Ion Ratio Lower Upper

43 100

72 0.0 19.7 29.5#

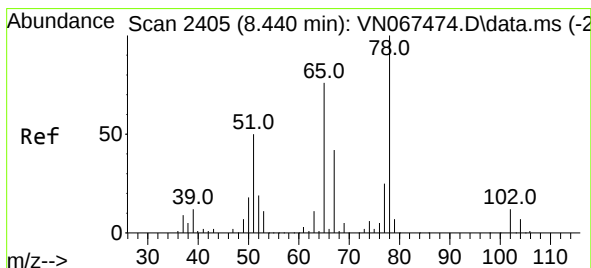
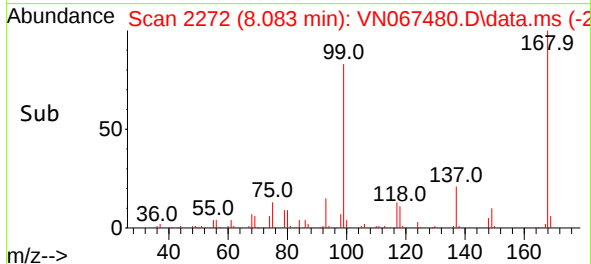
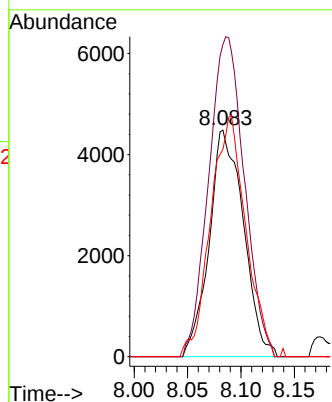
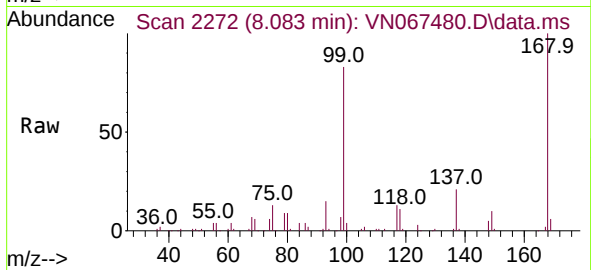




#31
Cyclohexane
Concen: 1.18 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

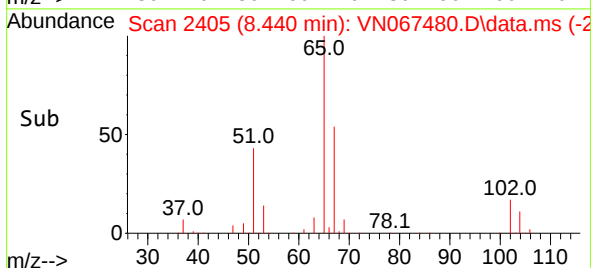
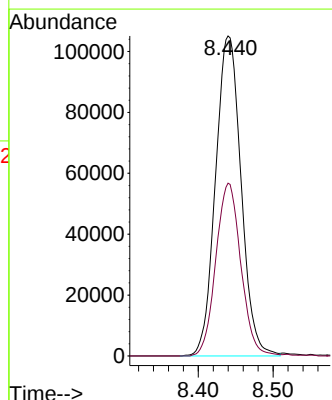
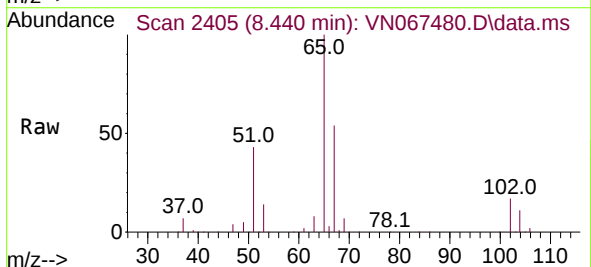
Instrument :
MSVOA_N
ClientSampleId :

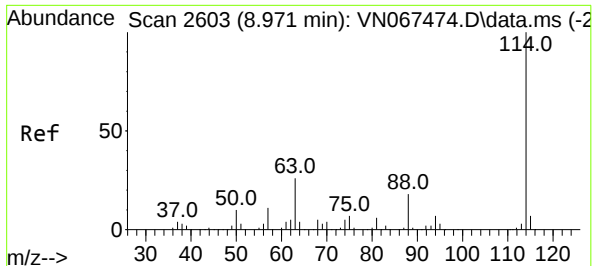
Tgt Ion: 56 Resp: 9986
Ion Ratio Lower Upper
56 100
69 137.8 27.3 40.9#
84 91.6 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 47.32 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion: 65 Resp: 249603
Ion Ratio Lower Upper
65 100
67 52.7 0.0 98.6

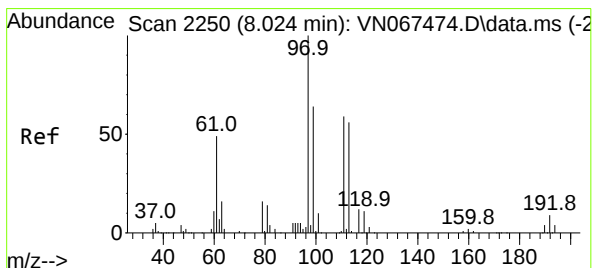
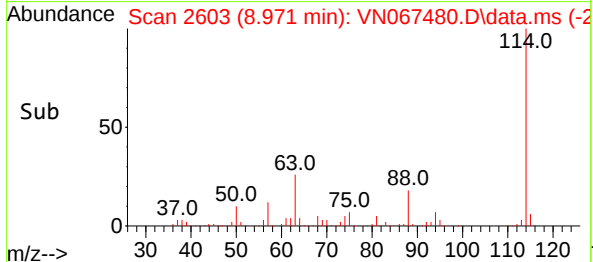
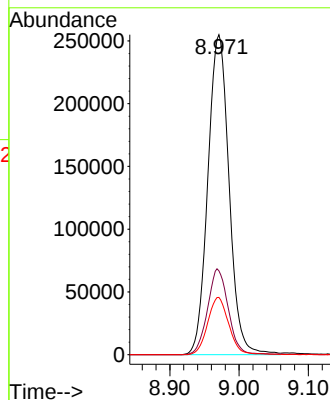
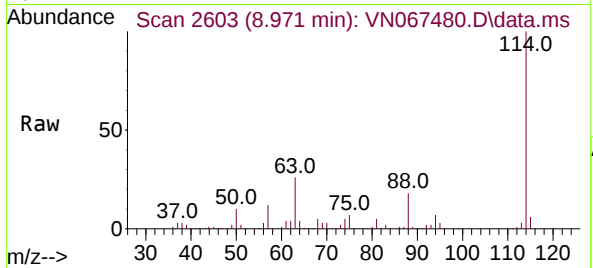




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

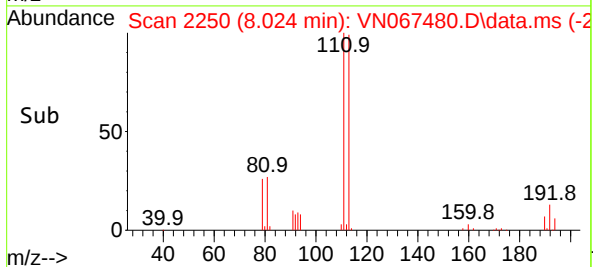
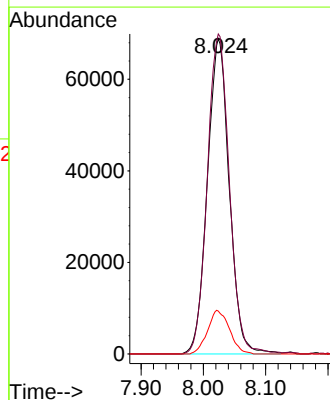
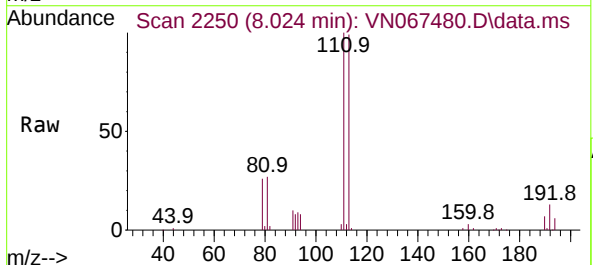
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MSVOA_N
ClientSampleId :

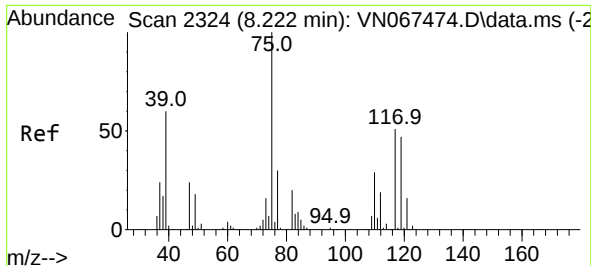
Tgt Ion:114 Resp: 542430
Ion Ratio Lower Upper
114 100
63 26.2 0.0 49.0
88 17.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.28 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion:113 Resp: 168040
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.8
192 13.8 13.4 20.0

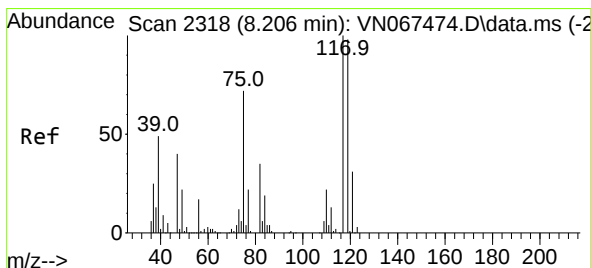
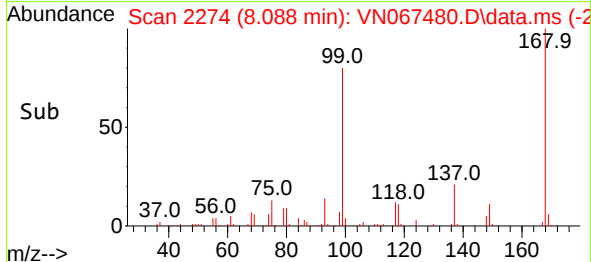
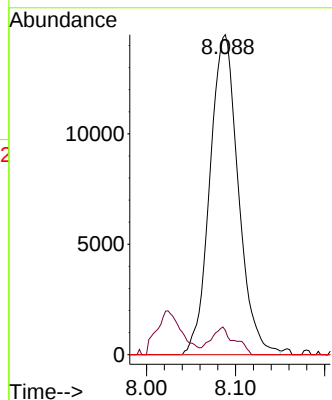
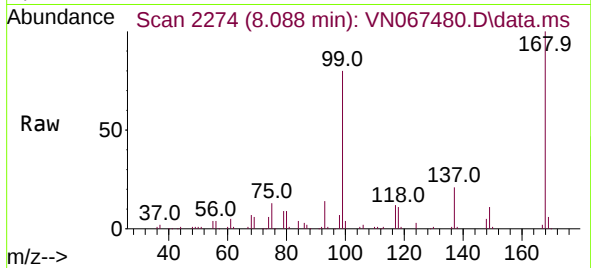




#36
1,1-Dichloropropene
Concen: 5.27 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

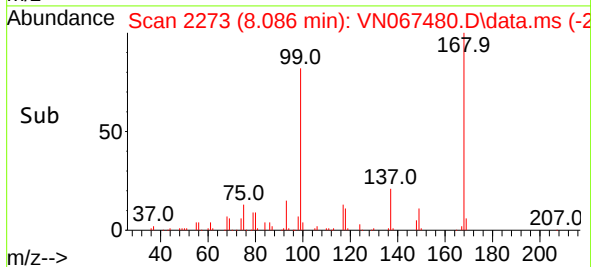
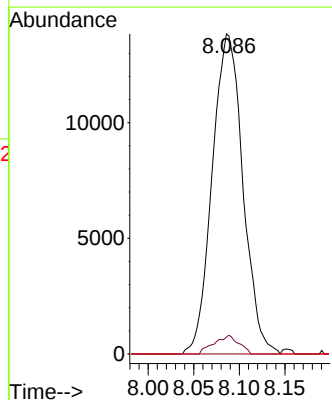
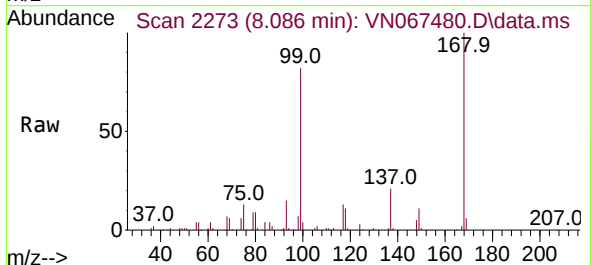
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MSVOA_N
ClientSampled :

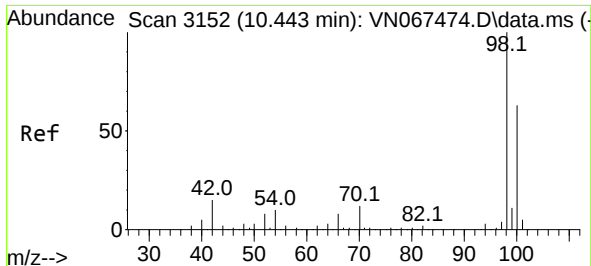
Tgt Ion: 75 Resp: 32211
Ion Ratio Lower Upper
75 100
110 7.2 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.23 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion:117 Resp: 32429
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

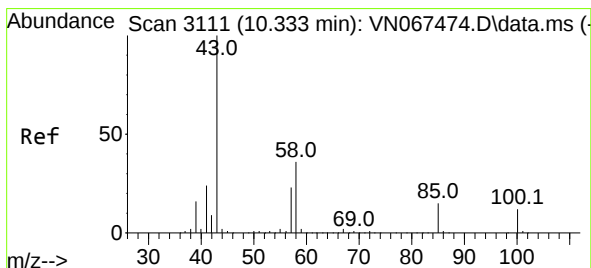
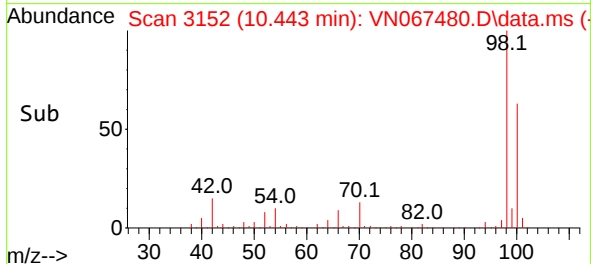
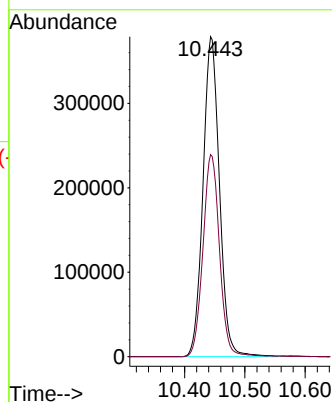
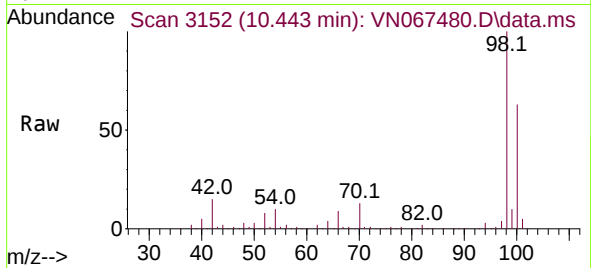




#50
Toluene-d8
Concen: 50.46 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

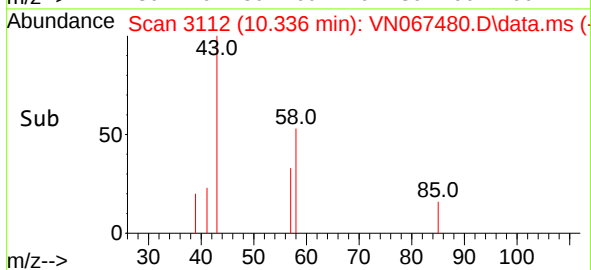
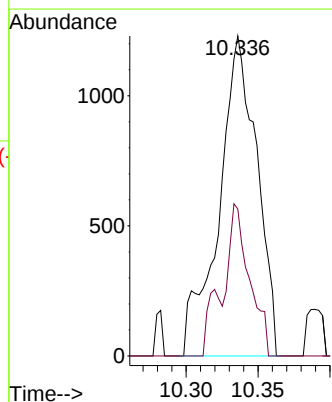
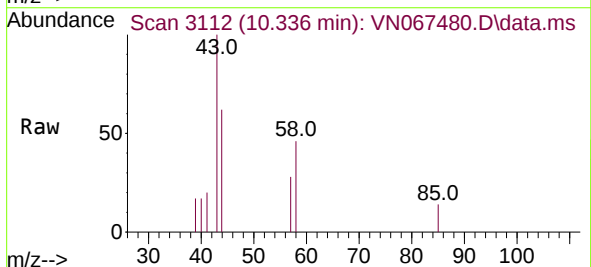
Instrument :
MSVOA_N
ClientSampled :

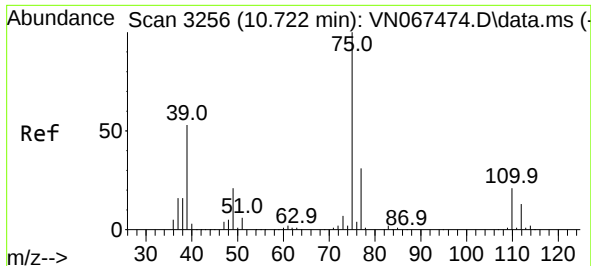
Tgt Ion: 98 Resp: 719210
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.35 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion: 43 Resp: 2256
Ion Ratio Lower Upper
43 100
58 26.2 28.6 43.0#

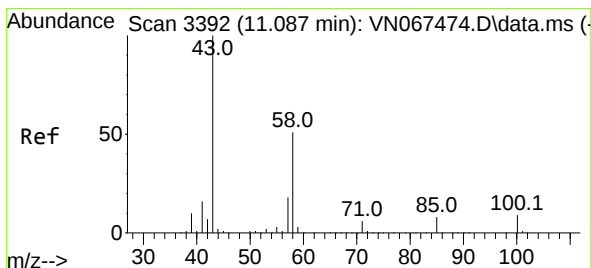
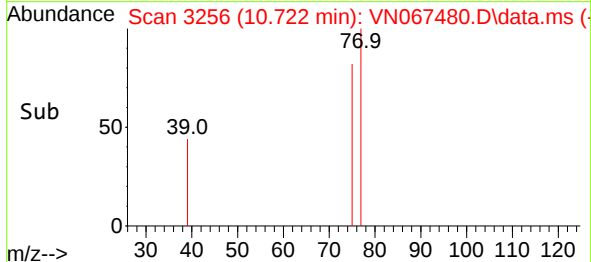
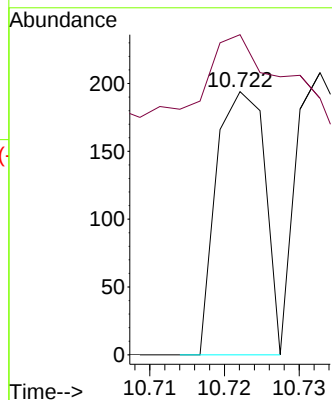
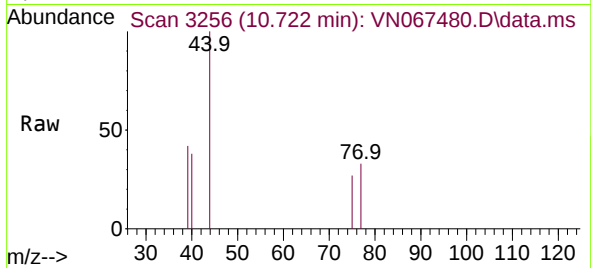




#53
t-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.000 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

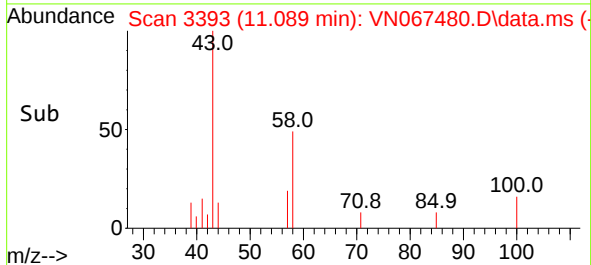
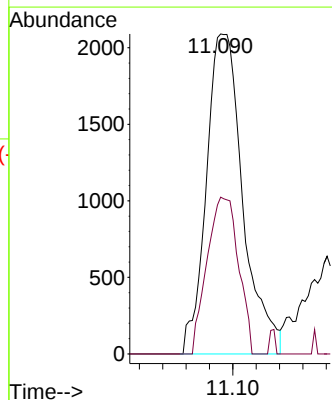
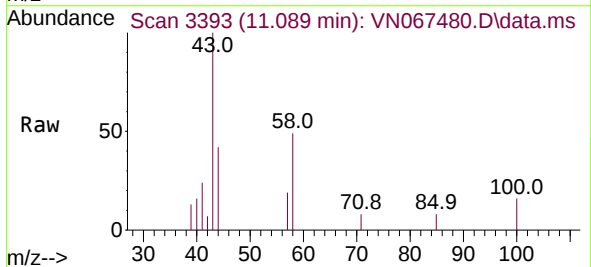
Instrument :
MSVOA_N
ClientSampled :

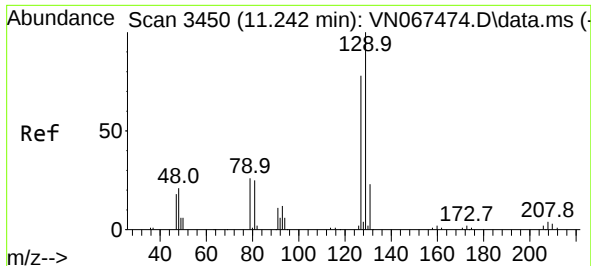
Tgt Ion: 75 Resp: 87
Ion Ratio Lower Upper
75 100
77 28.4 25.1 37.7



#59
2-Hexanone
Concen: 0.99 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion: 43 Resp: 4543
Ion Ratio Lower Upper
43 100
58 41.9 24.7 74.1

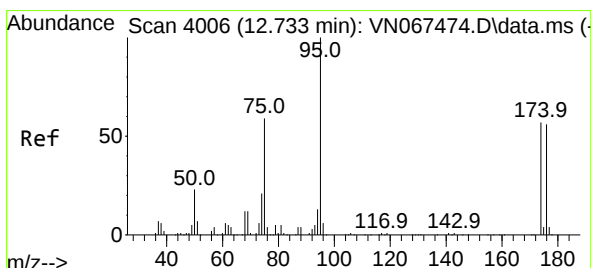
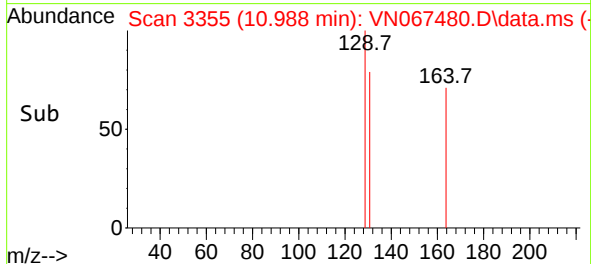
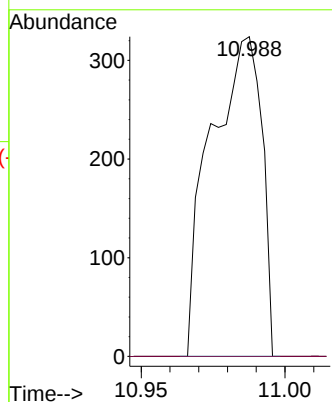
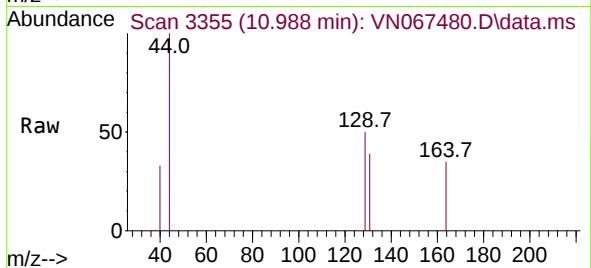




#60
Dibromochloromethane
Concen: 2.12 ug/l
RT: 10.988 min Scan# 3355
Delta R.T. -0.254 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

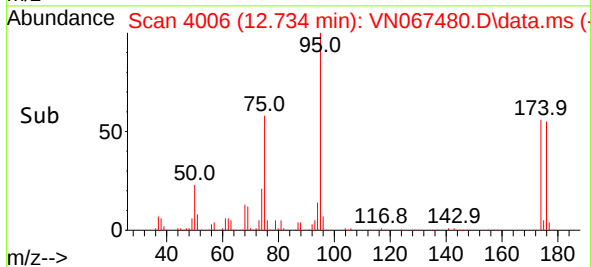
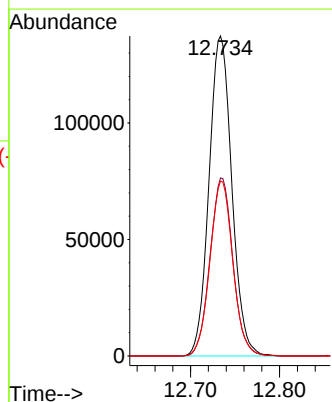
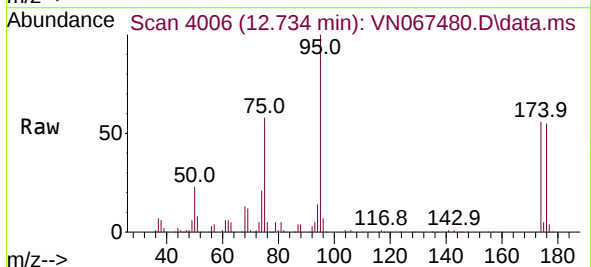
Instrument :
MSVOA_N
ClientSampleId :

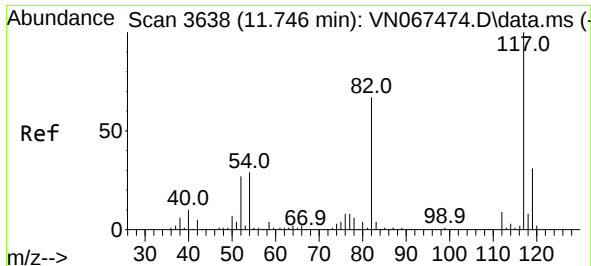
Tgt Ion:129 Resp: 398
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 48.14 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion: 95 Resp: 244466
Ion Ratio Lower Upper
95 100
174 56.0 0.0 122.0
176 54.8 0.0 117.6

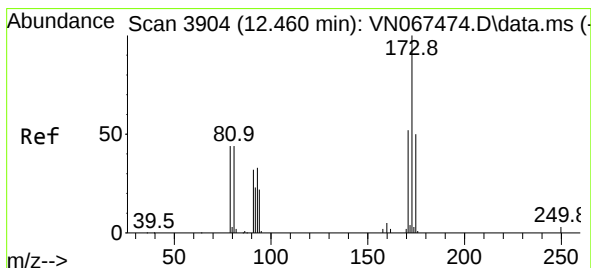
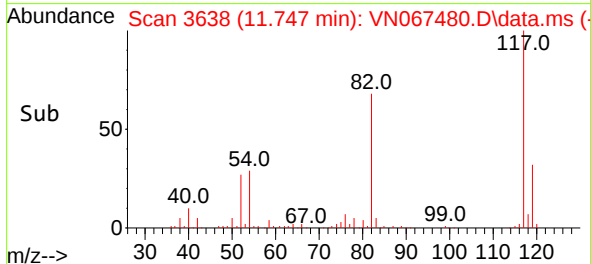
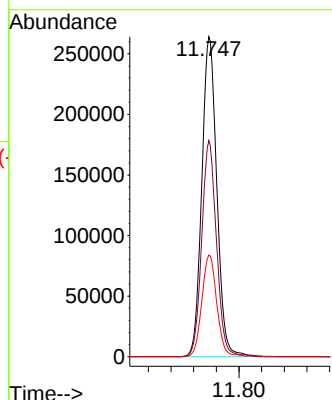
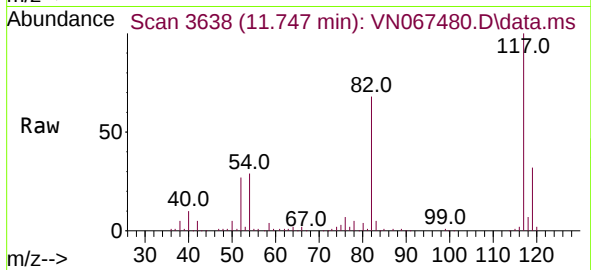




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

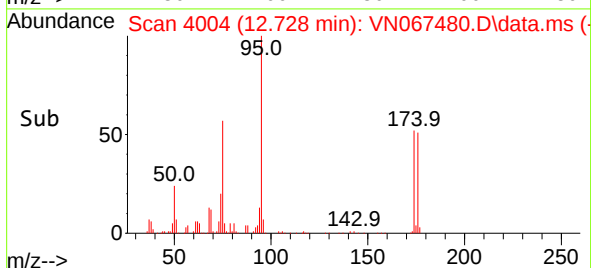
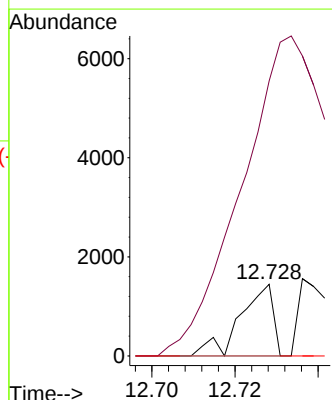
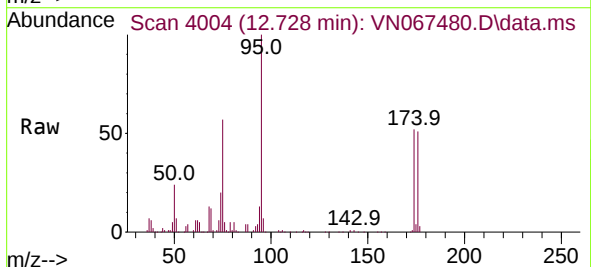
Instrument :
MSVOA_N
ClientSampleId :

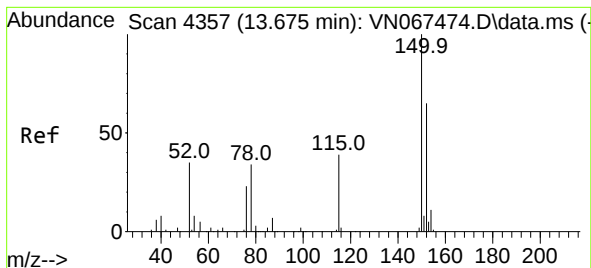
Tgt Ion:117 Resp: 485267
Ion Ratio Lower Upper
117 100
82 67.5 53.1 79.7
119 31.7 25.5 38.3



#71
Bromoform
Concen: 2.94 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion:173 Resp: 793
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

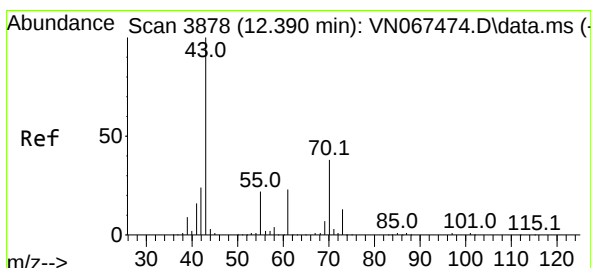
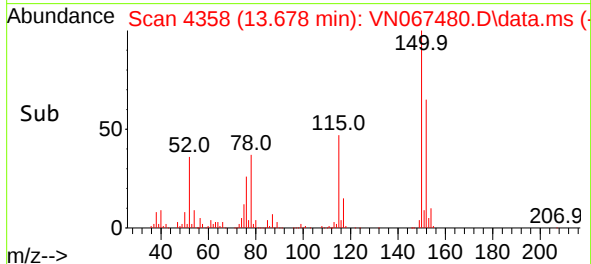
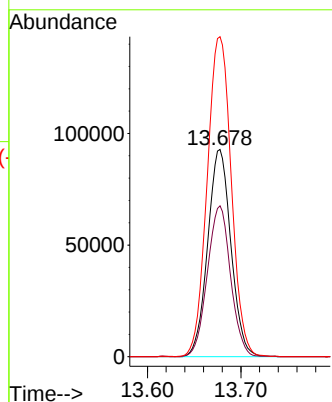
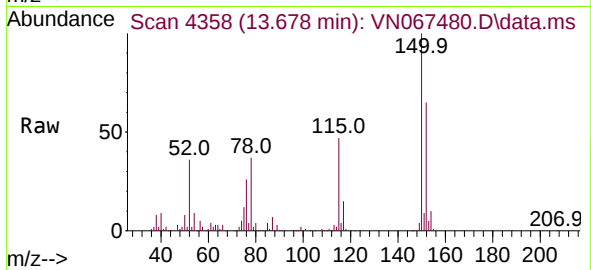




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

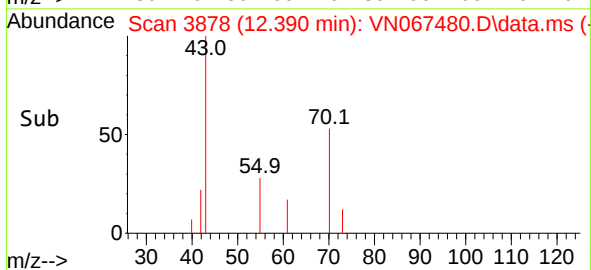
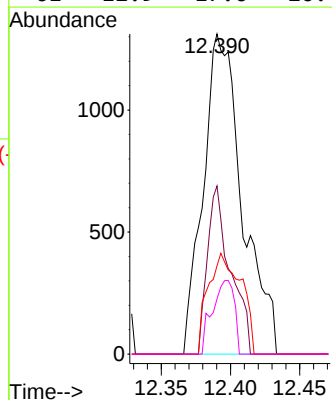
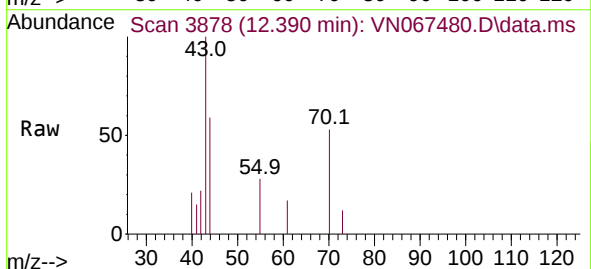
Instrument :
MSVOA_N
ClientSampled :

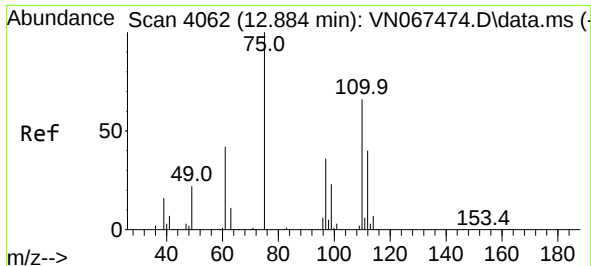
Tgt Ion:152 Resp: 160638
Ion Ratio Lower Upper
152 100
115 72.7 36.1 108.5
150 160.4 0.0 351.8



#74
N-ethyl acetate
Concen: 0.33 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion: 43 Resp: 2567
Ion Ratio Lower Upper
43 100
70 30.9 29.4 44.2
55 26.5 17.0 25.4#
61 12.9 17.6 26.4#

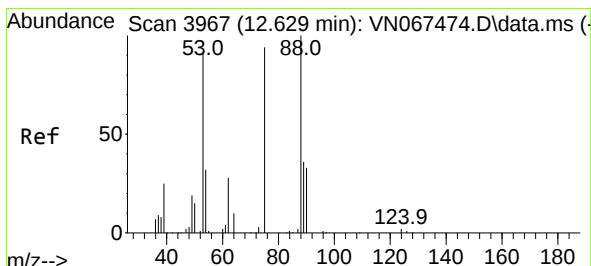
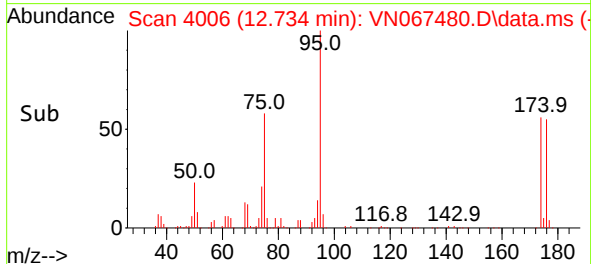
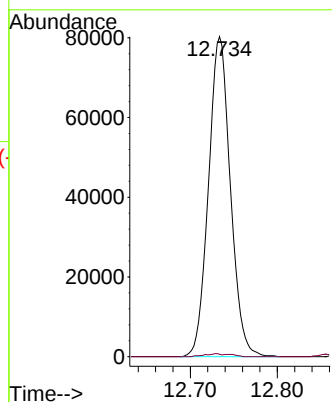
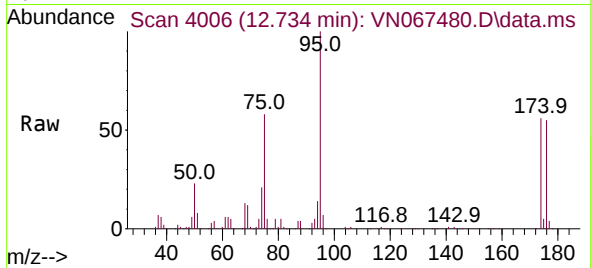




#76
1,2,3-Trichloropropane
Concen: 29.70 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

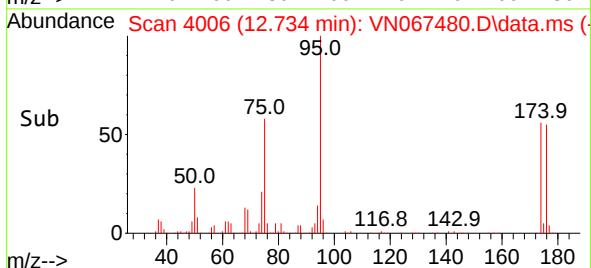
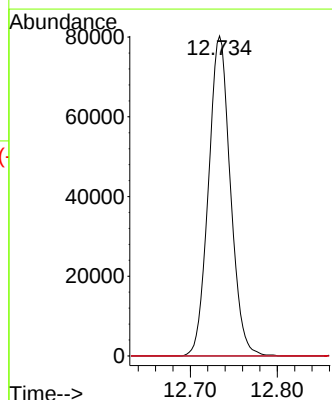
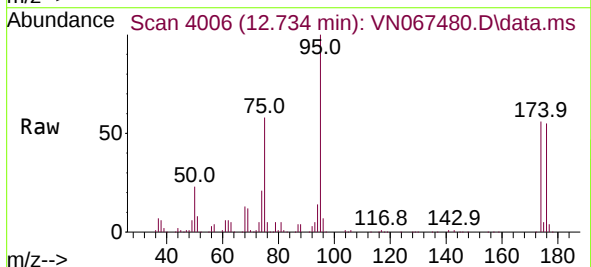
Instrument :
MSVOA_N
ClientSampled :

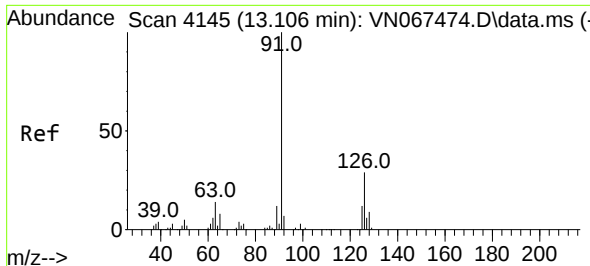
Tgt Ion: 75 Resp: 140414
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.27 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion: 75 Resp: 140414
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

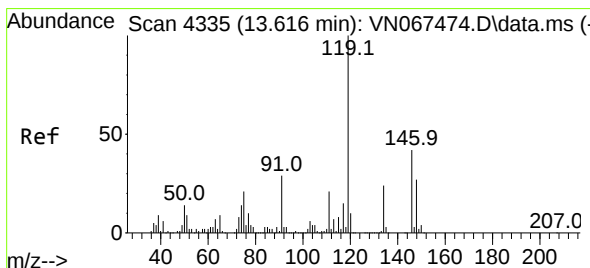
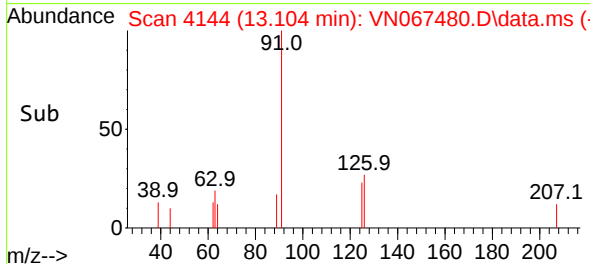
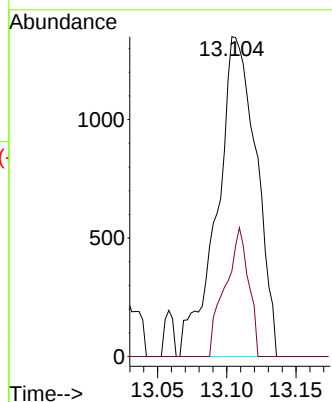
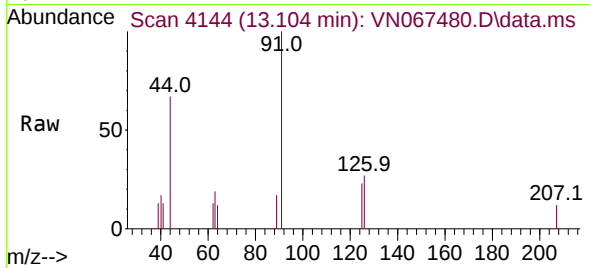




#82
4-Chlorotoluene
Concen: 0.22 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.002 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

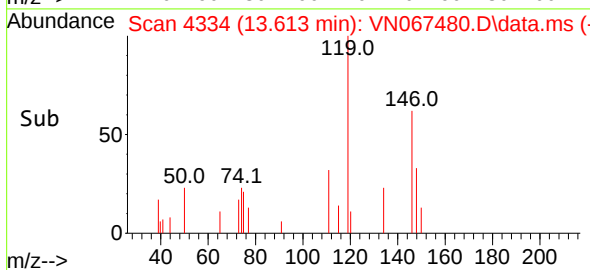
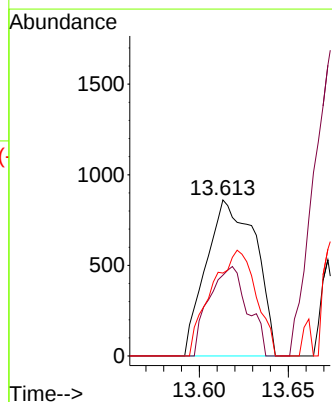
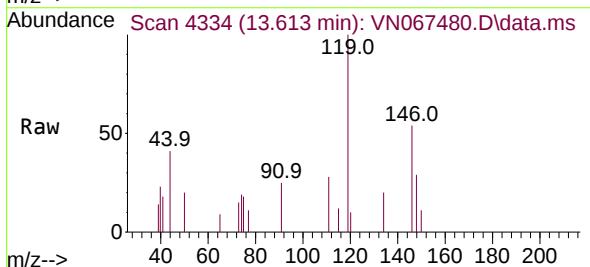
Instrument :
MSVOA_N
ClientSampleId :

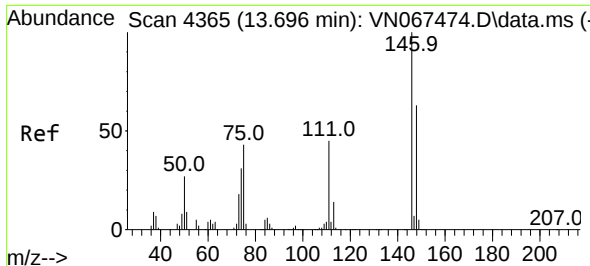
Tgt Ion: 91 Resp: 2649
Ion Ratio Lower Upper
91 100
126 23.9 14.8 44.4



#87
1,3-Dichlorobenzene
Concen: 0.30 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.003 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion: 146 Resp: 1665
Ion Ratio Lower Upper
146 100
111 44.7 24.3 72.8
148 61.4 32.0 96.0

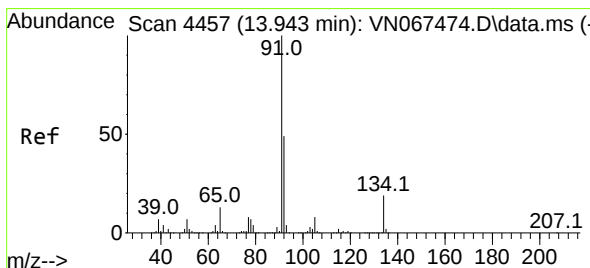
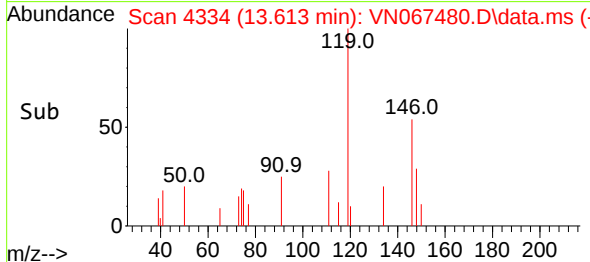
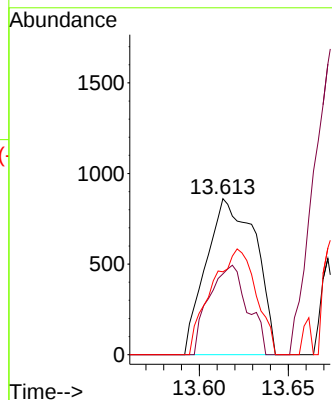
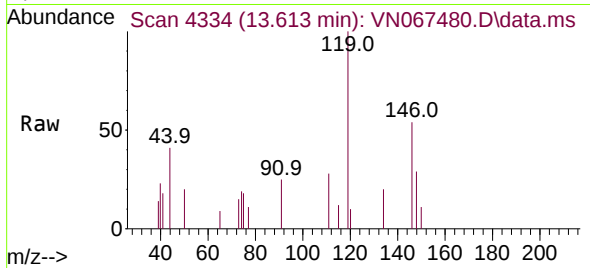




#88
1,4-Dichlorobenzene
Concen: 0.30 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.083 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

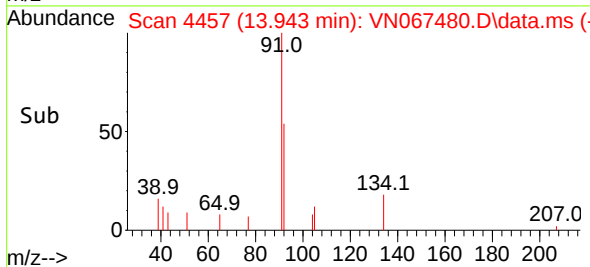
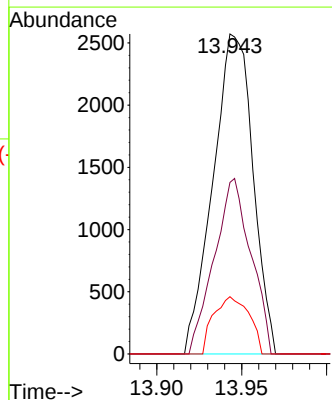
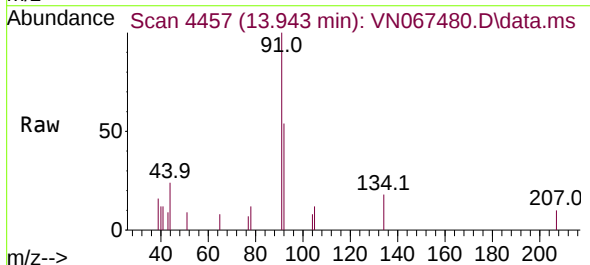
Instrument :
MSVOA_N
ClientSampled :

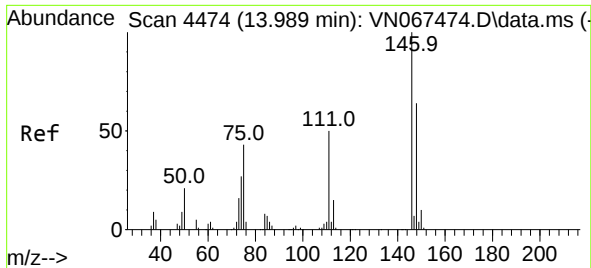
Tgt Ion:146 Resp: 1665
Ion Ratio Lower Upper
146 100
111 44.7 23.4 70.2
148 61.4 31.8 95.3



#89
n-Butylbenzene
Concen: 0.36 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion: 91 Resp: 4205
Ion Ratio Lower Upper
91 100
92 50.3 25.7 77.1
134 15.9 11.2 33.6

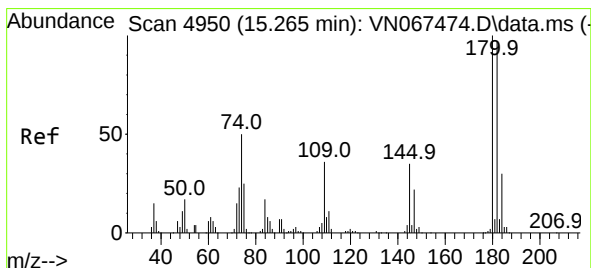
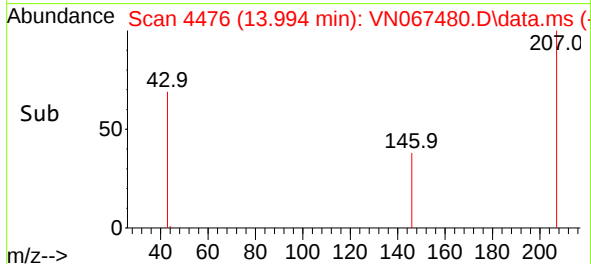
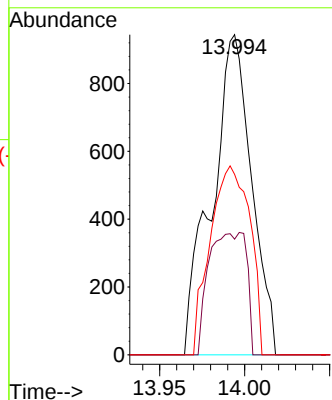
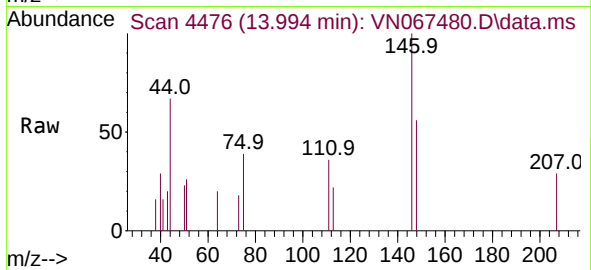




#91
1,2-Dichlorobenzene
Concen: 0.29 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.005 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

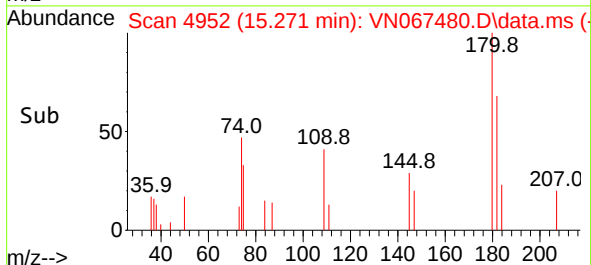
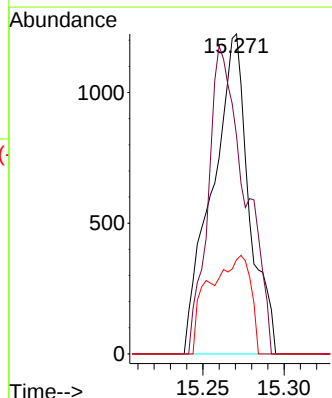
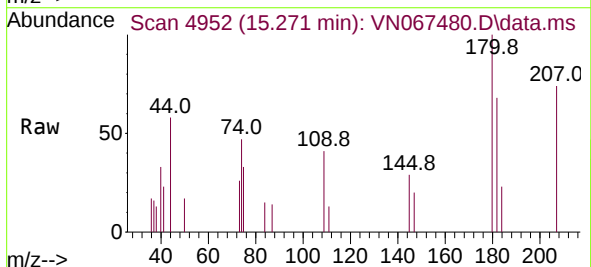
Instrument :
MSVOA_N
ClientSampled :

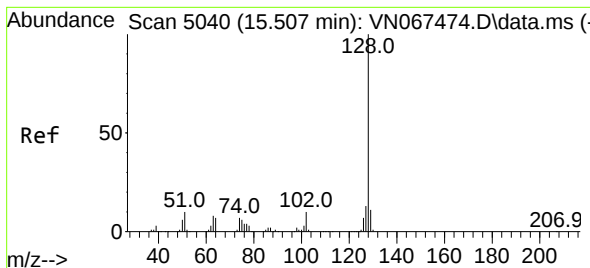
Tgt Ion:146 Resp: 1539
Ion Ratio Lower Upper
146 100
111 36.0 24.9 74.6
148 58.8 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 3.01 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion:180 Resp: 1924
Ion Ratio Lower Upper
180 100
182 96.1 47.5 142.5
145 34.4 17.2 51.6

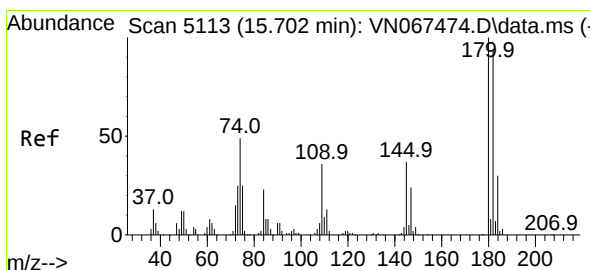
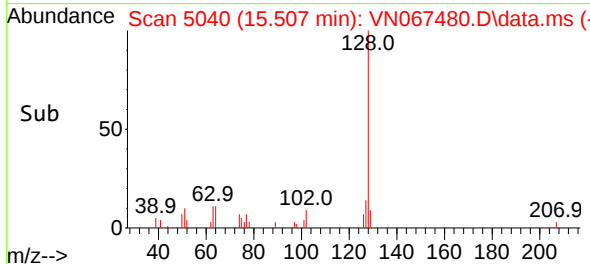
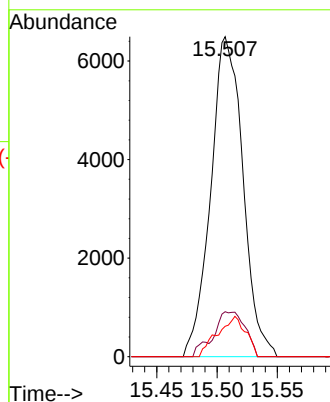
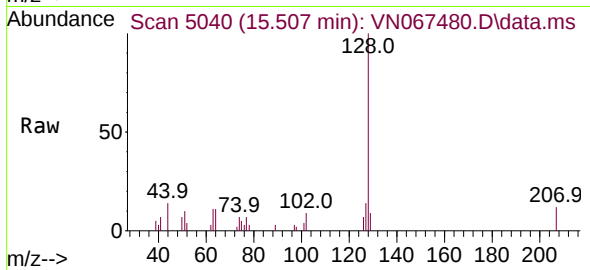




#95
Naphthalene
Concen: 4.59 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	12060
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.6	15.8
129	11.0	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.39 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.001 min
Lab File: VN067480.D
Acq: 24 Jun 2021 13:46

Tgt Ion:	180	Resp:	2331
Ion Ratio	Lower	Upper	
180	100		
182	102.1	47.8	143.3
145	44.0	18.2	54.6

