

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072021\
 Data File : VN067813.D
 Acq On : 20 Jul 2021 13:10
 Operator : JC/MD
 Sample : VN0720WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 20 15:33:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

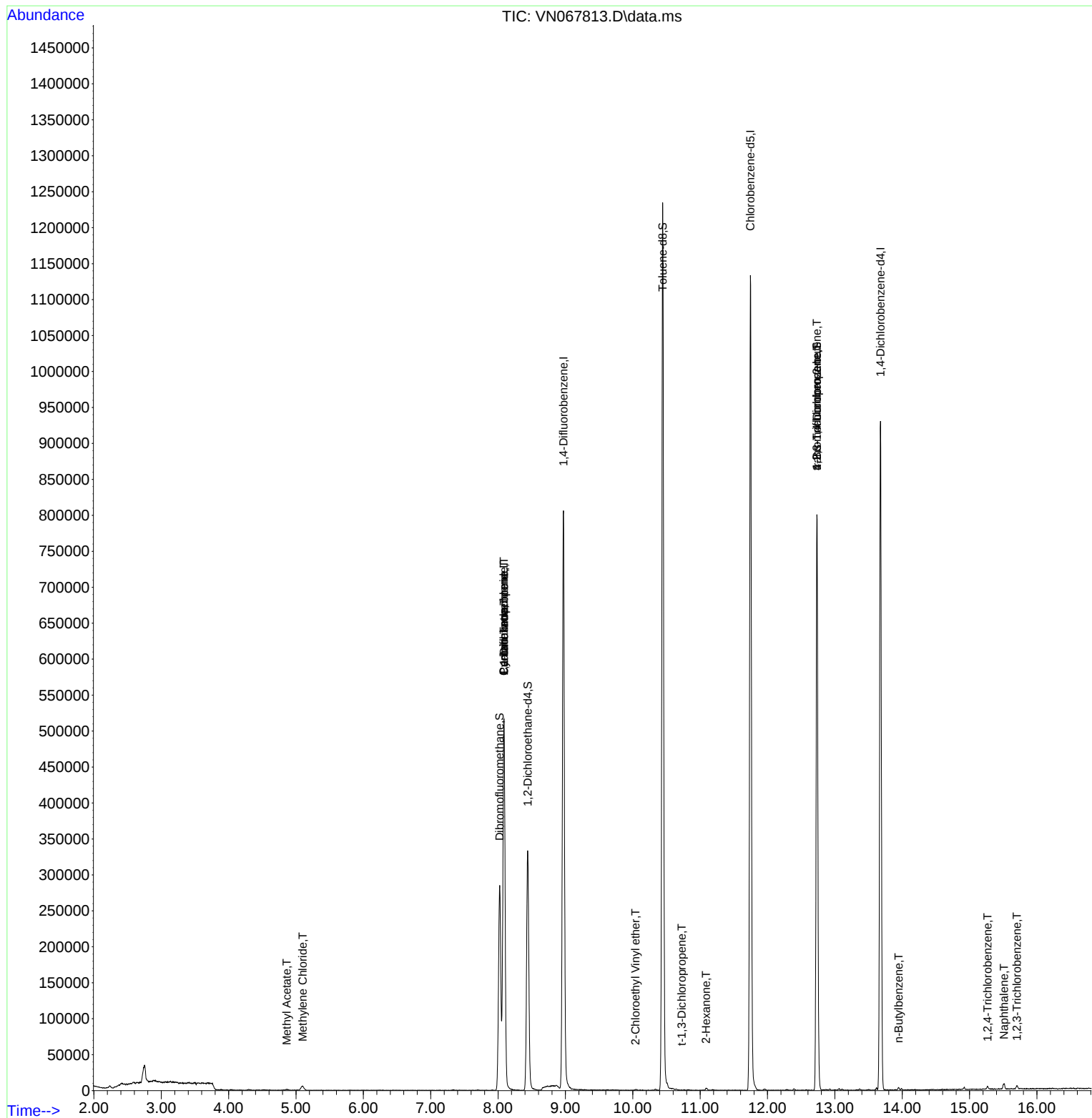
Internal Standards						
1) Pentafluorobenzene	8.088	168	373293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	707700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	648481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	239461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	283700	50.287	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.580%			
35) Dibromofluoromethane	8.024	113	208470	48.756	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.520%			
50) Toluene-d8	10.443	98	854751	47.759	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.520%			
62) 4-Bromofluorobenzene	12.734	95	278324	44.023	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.040%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.829	94	54	Below Cal	#	4
6) Chloroethane	3.135	64	27	Below Cal	#	44
7) Trichlorofluoromethane	3.384	101	49	Below Cal	#	18
13) Acrolein	4.047	56	215	Below Cal		93
18) Methyl Acetate	4.862	43	1222	0.245	ug/l #	58
20) Methylene Chloride	5.098	84	4934	0.502	ug/l #	74
31) Cyclohexane	8.086	56	10164	1.285	ug/l #	29
36) 1,1-Dichloropropene	8.086	75	33896	5.156	ug/l #	51
38) Carbon Tetrachloride	8.086	117	40469	6.241	ug/l #	17
53) t-1,3-Dichloropropene	10.728	75	53	1.751	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.041	63	606	17.292	ug/l #	50
59) 2-Hexanone	11.087	43	2669	0.556	ug/l	78
76) 1,2,3-Trichloropropane	12.734	75	157237	32.153	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	157237	103.666	ug/l #	6
89) n-Butylbenzene	13.949	91	2576	0.201	ug/l	94
93) 1,2,4-Trichlorobenzene	15.268	180	1434	3.015	ug/l	96
95) Naphthalene	15.512	128	7311	3.598	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.703	180	1640	3.039	ug/l	96

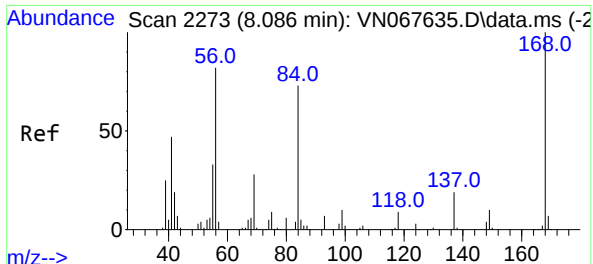
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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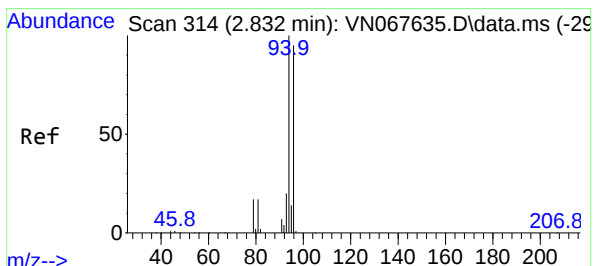
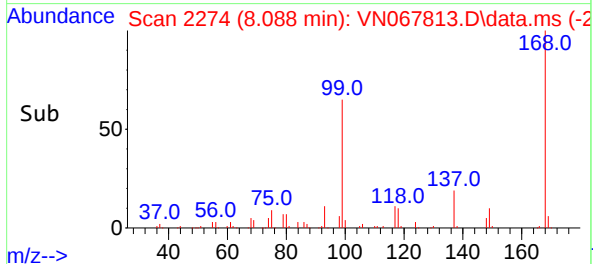
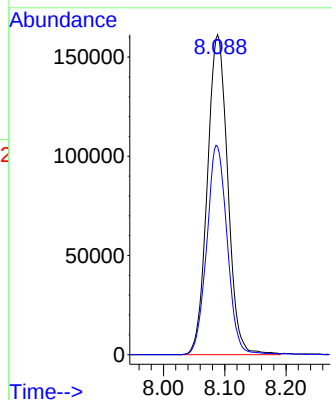
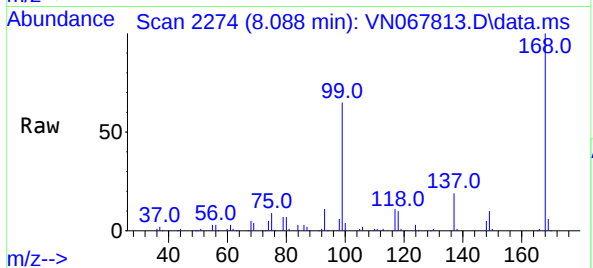




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

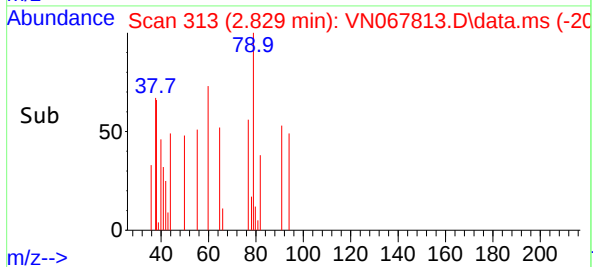
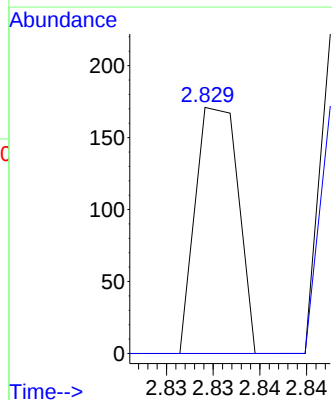
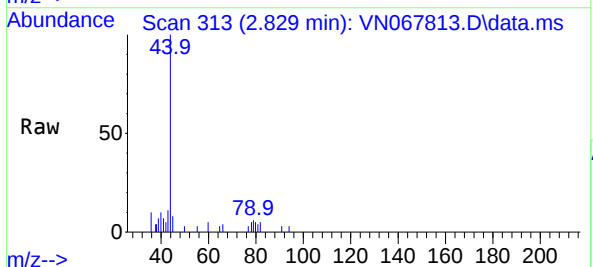
Instrument :
MSVOA_N
ClientSampleId :

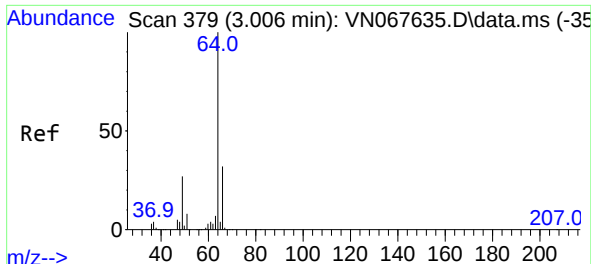
Tgt Ion:168 Resp: 373293
Ion Ratio Lower Upper
168 100
99 64.9 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.829 min Scan# 313
Delta R.T. -0.003 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

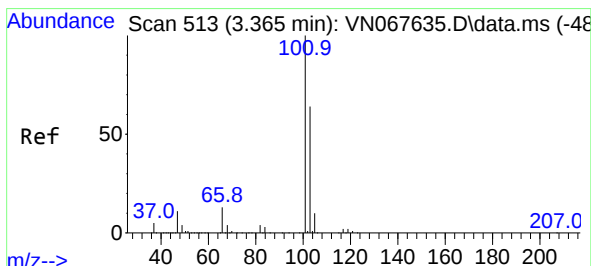
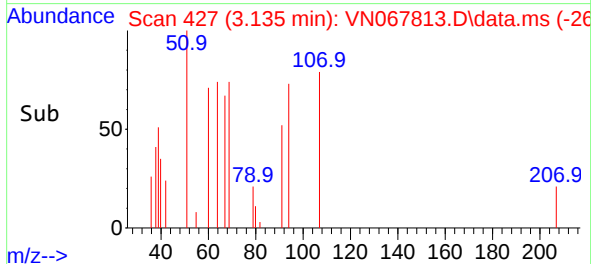
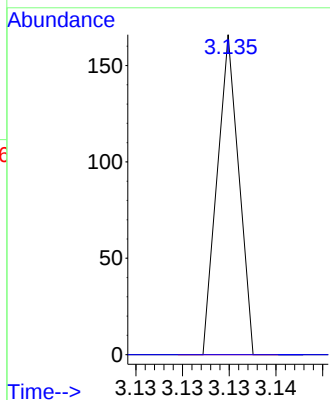
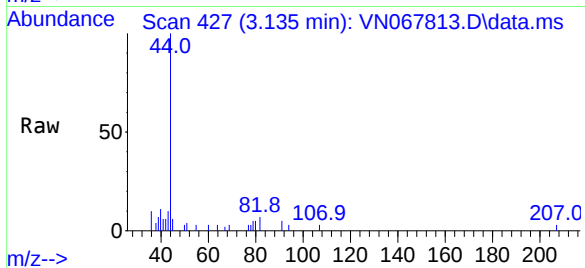




#6
Chloroethane
Concen: Below Cal
RT: 3.135 min Scan# 427
Delta R.T. 0.129 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

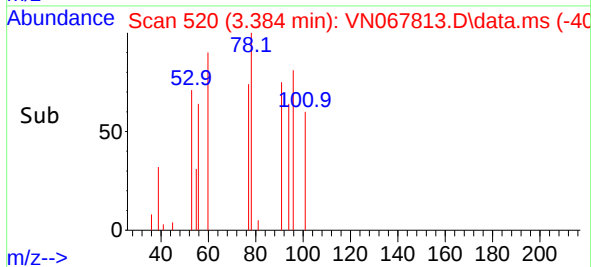
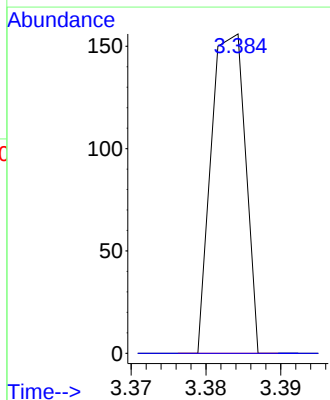
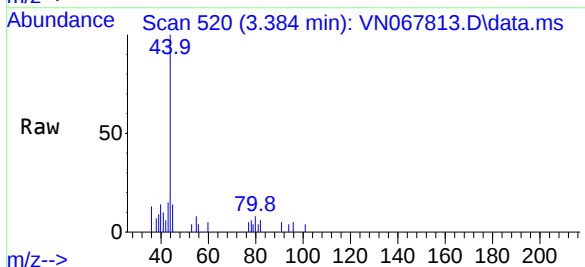
Instrument :
MSVOA_N
ClientSampleId :

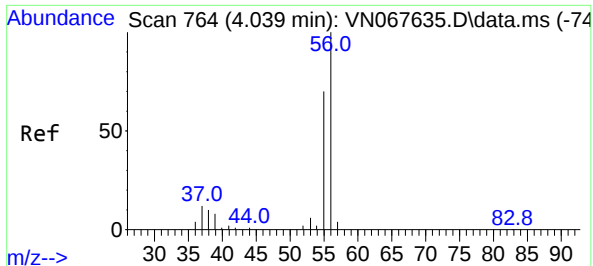
Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.384 min Scan# 520
Delta R.T. 0.019 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion: 101 Resp: 49
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#

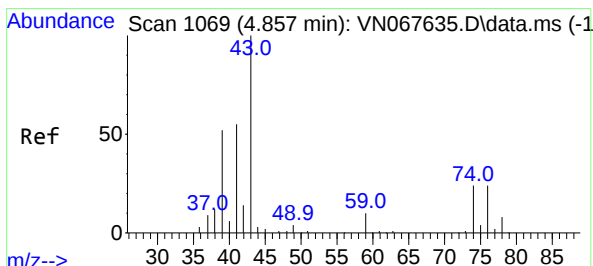
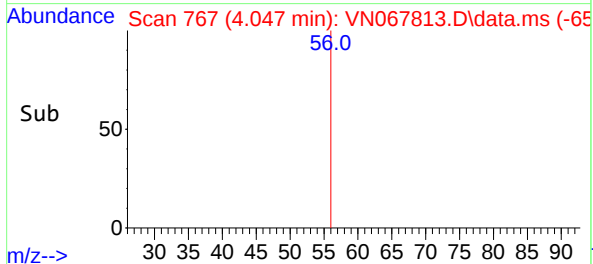
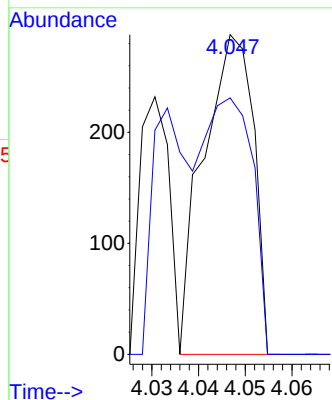
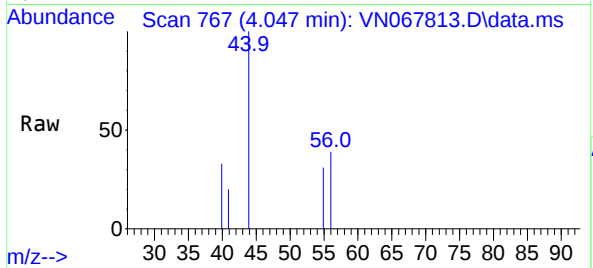




#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

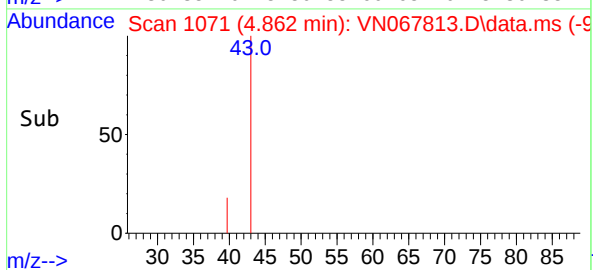
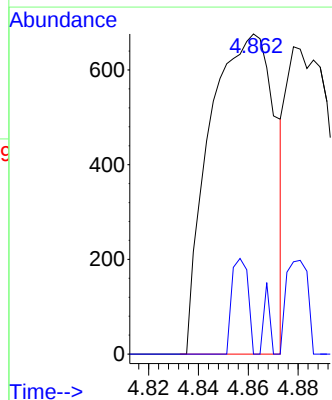
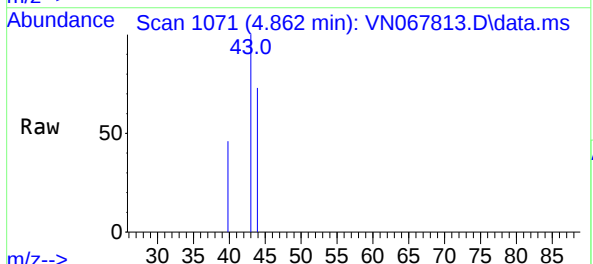
Instrument :
MSVOA_N
ClientSampleId :

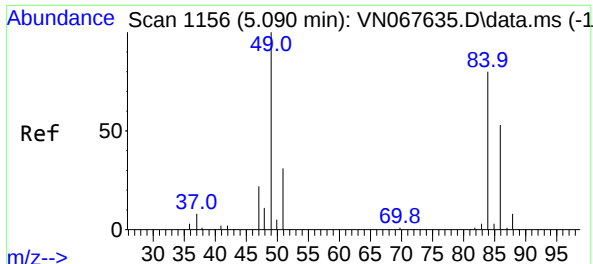
Tgt Ion: 56 Resp: 215
Ion Ratio Lower Upper
56 100
55 77.2 57.4 86.0



#18
Methyl Acetate
Concen: 0.245 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
74 2.0 17.4 26.0#



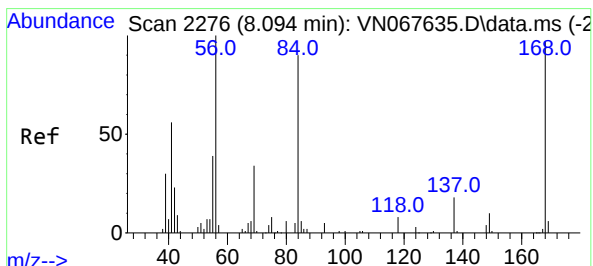
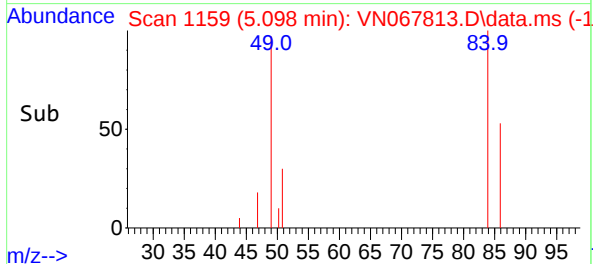
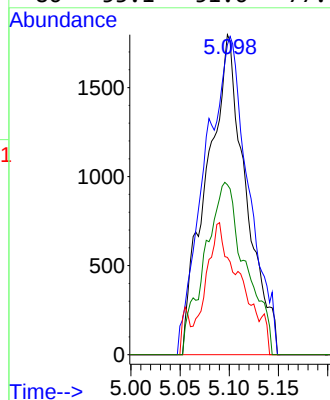
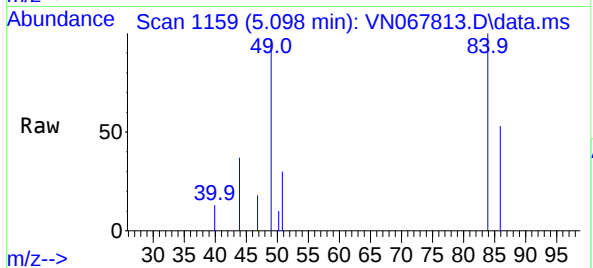


#20
Methylene Chloride
Concen: 0.502 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.008 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 4934

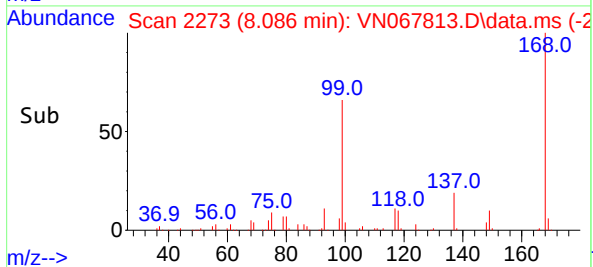
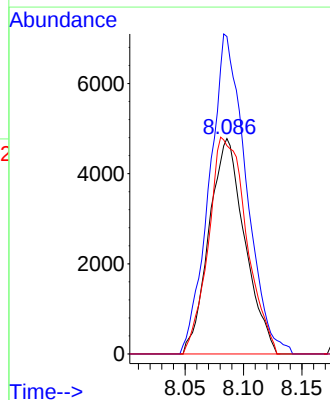
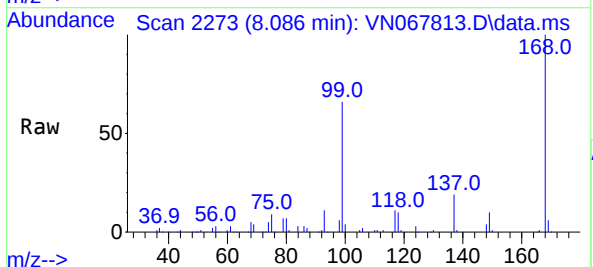
Ion	Ratio	Lower	Upper
84	100		
49	96.8	110.9	166.3#
51	30.4	32.6	49.0#
86	53.1	51.6	77.4

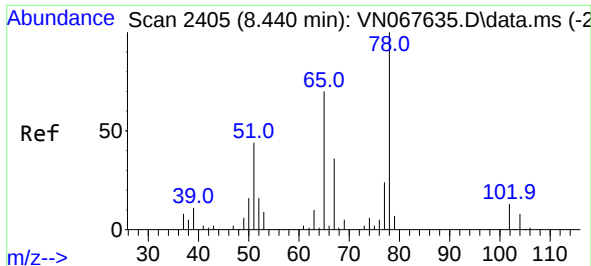


#31
Cyclohexane
Concen: 1.285 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion: 56 Resp: 10164

Ion	Ratio	Lower	Upper
56	100		
69	147.4	27.3	40.9#
84	96.7	64.9	97.3



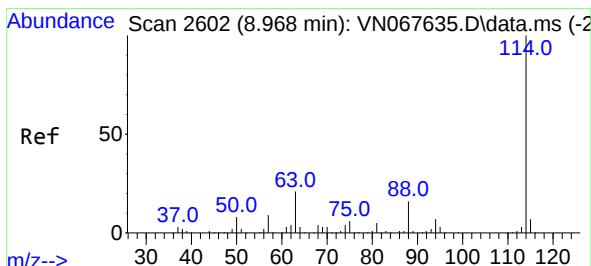
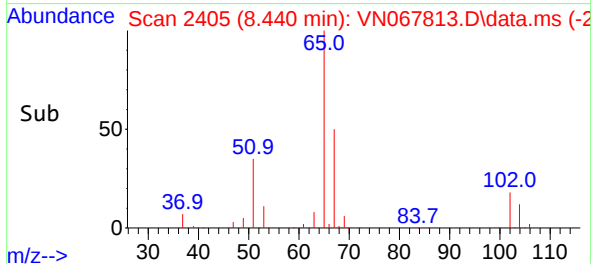
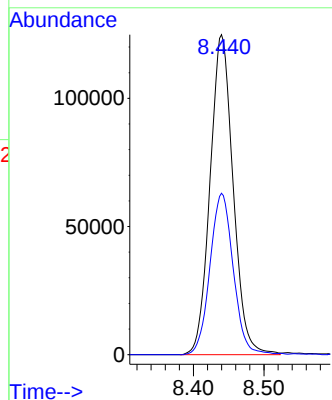
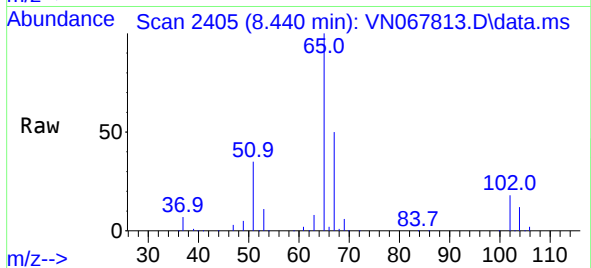


#33

1,2-Dichloroethane-d4
Concen: 50.287 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Instrument :
MSVOA_N
ClientSampled :

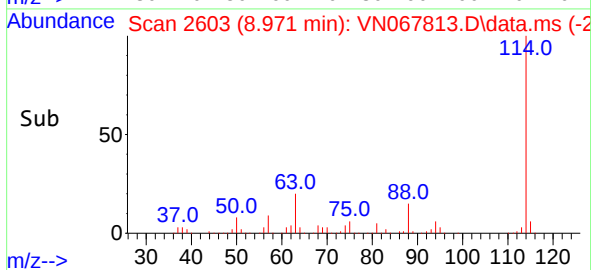
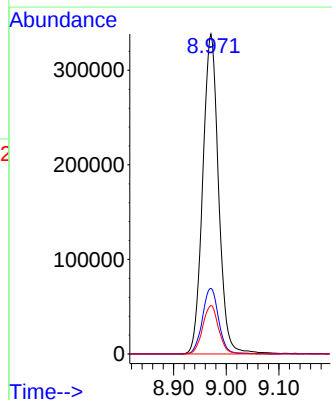
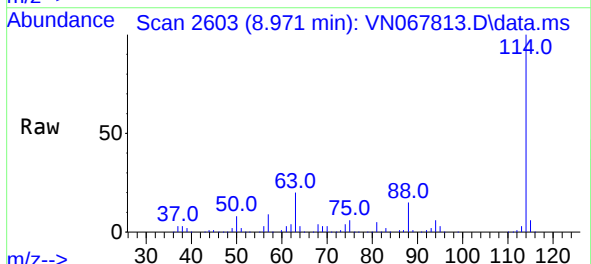
Tgt Ion: 65 Resp: 283700
Ion Ratio Lower Upper
65 100
67 50.9 0.0 98.6

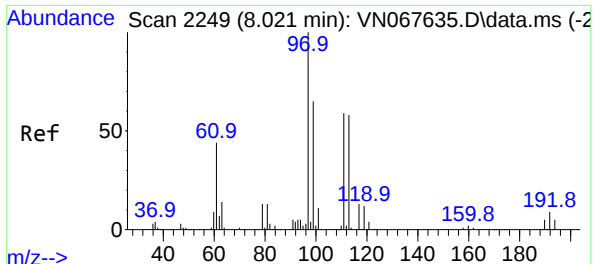


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion: 114 Resp: 707700
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 15.2 0.0 36.6

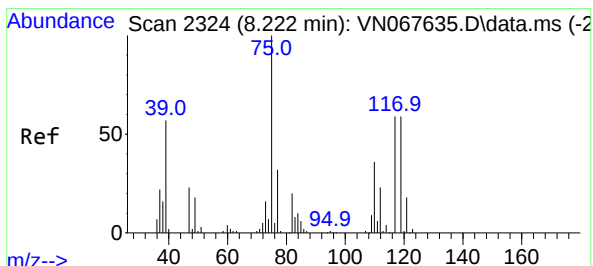
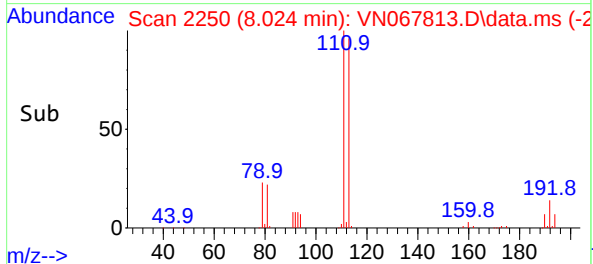
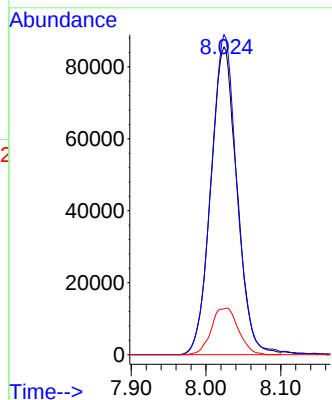
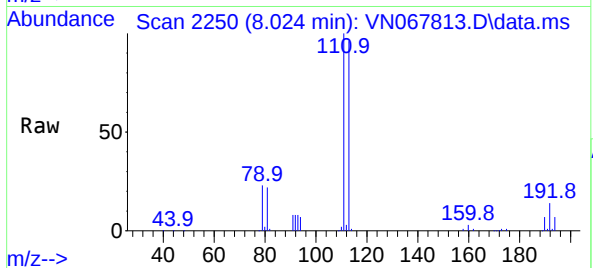




#35
Dibromofluoromethane
Concen: 48.756 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

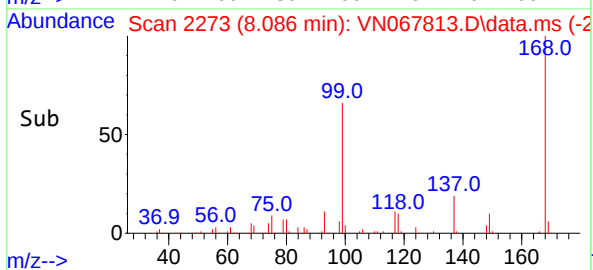
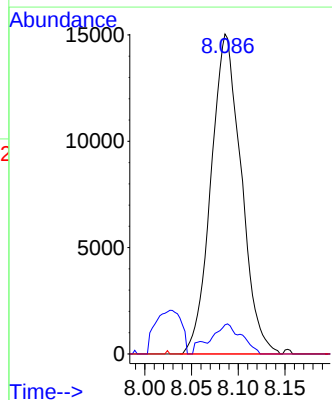
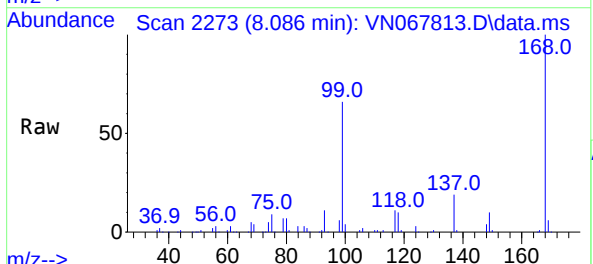
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MSVOA_N
ClientSampleId :

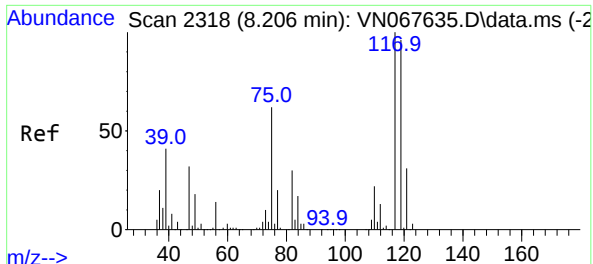
Tgt Ion:113 Resp: 208470
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.8
192 15.7 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.156 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

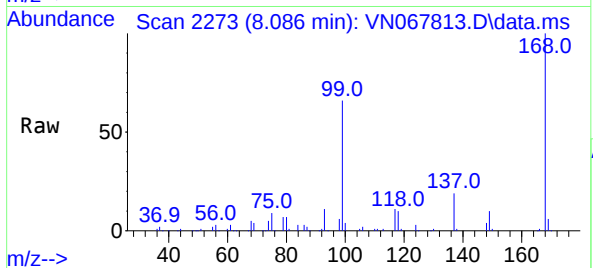
Tgt Ion: 75 Resp: 33896
Ion Ratio Lower Upper
75 100
110 8.2 15.7 47.0#
77 0.0 24.6 37.0#



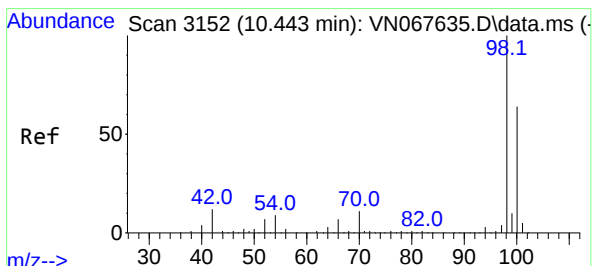
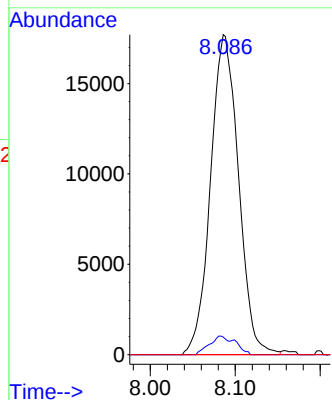
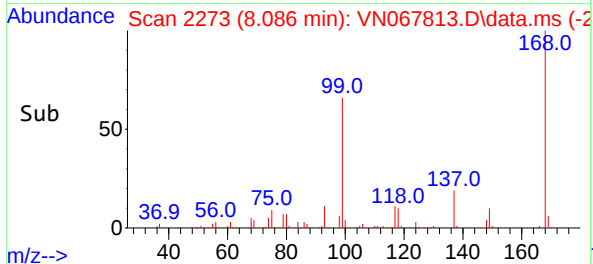


#38
Carbon Tetrachloride
Concen: 6.241 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

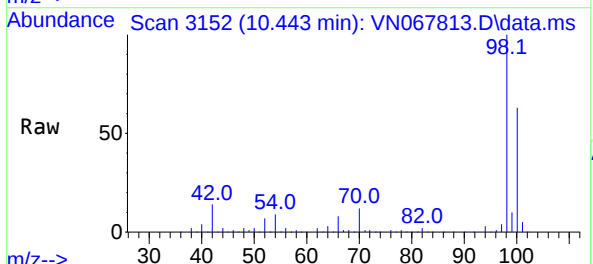
Instrument :
MSVOA_N
ClientSampleId :



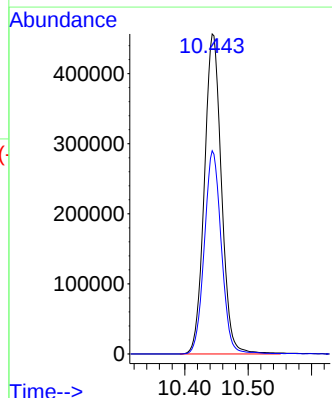
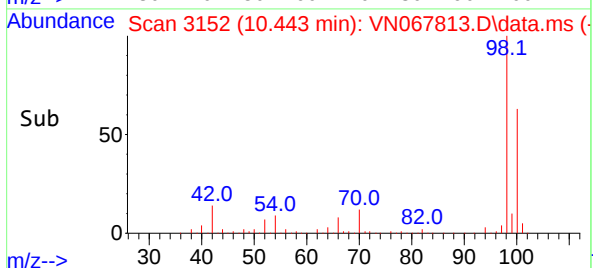
Tgt Ion:117 Resp: 40469
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 23.5 35.3#

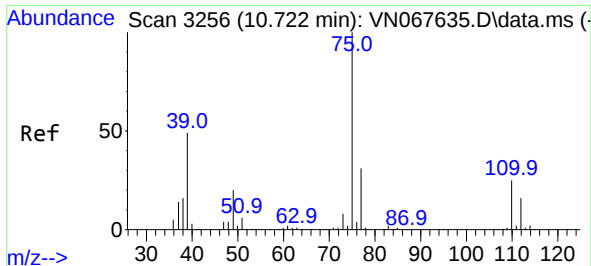


#50
Toluene-d8
Concen: 47.759 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10



Tgt Ion: 98 Resp: 854751
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5

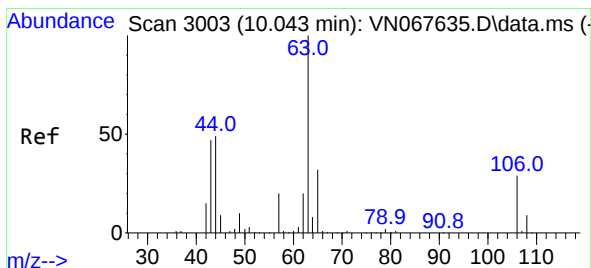
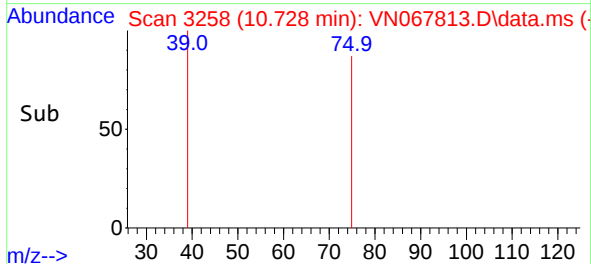
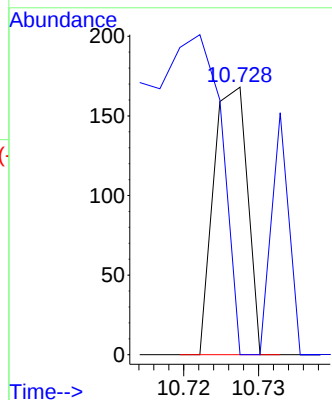
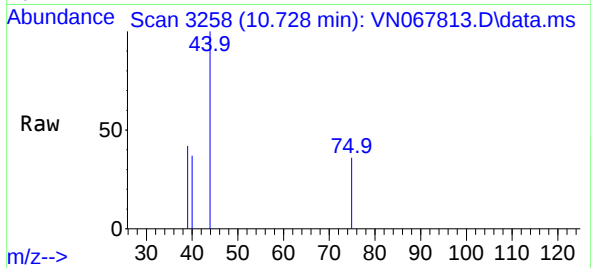




#53
t-1,3-Dichloropropene
Concen: 1.751 ug/l
RT: 10.728 min Scan# 3258
Delta R.T. 0.006 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

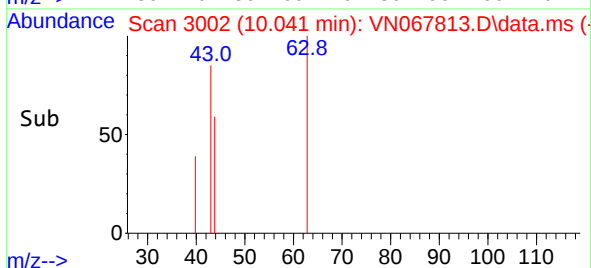
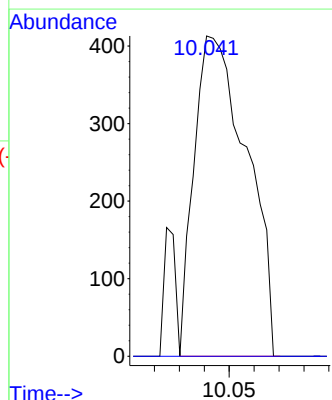
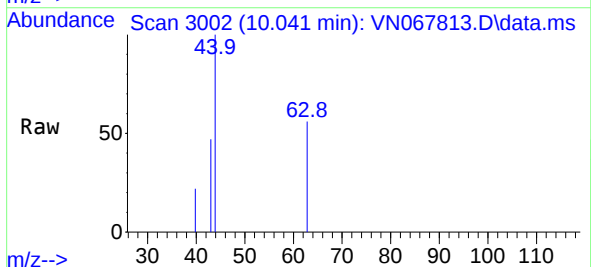
Instrument :
MSVOA_N
ClientSampled :

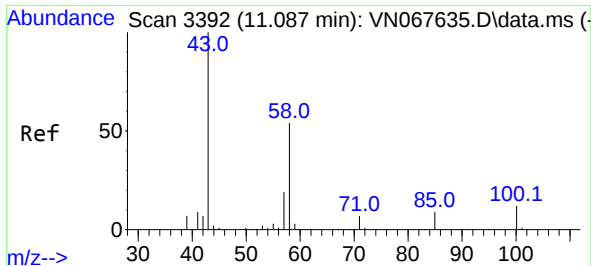
Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#58
2-Chloroethyl Vinyl ether
Concen: 17.292 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.002 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion: 63 Resp: 606
Ion Ratio Lower Upper
63 100
106 0.0 19.8 29.8#

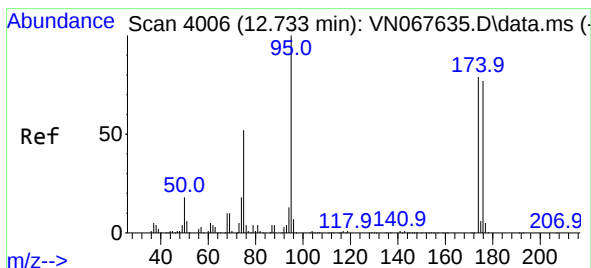
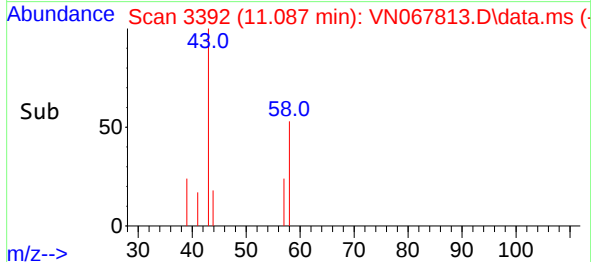
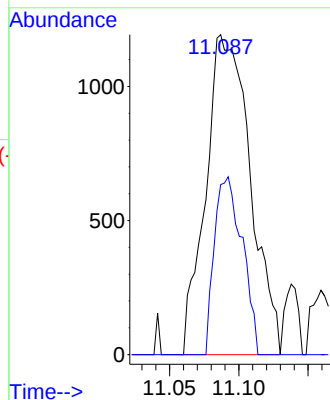
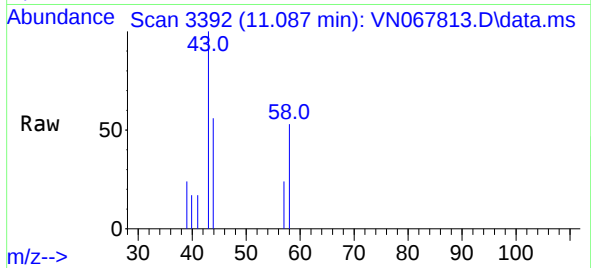




#59
2-Hexanone
Concen: 0.556 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

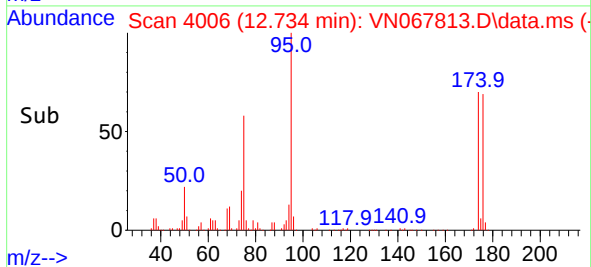
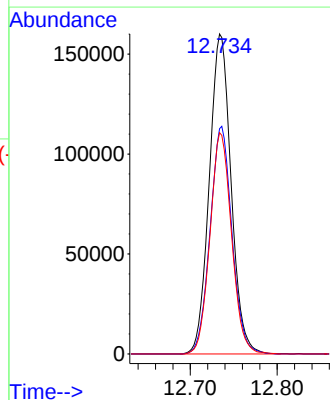
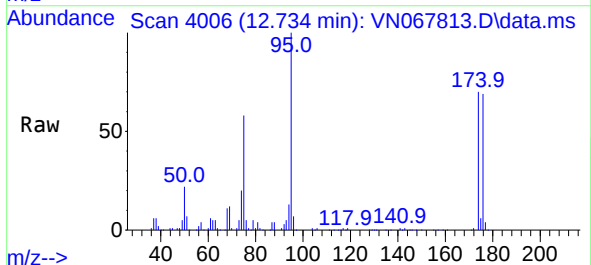
Instrument :
MSVOA_N
ClientSampled :

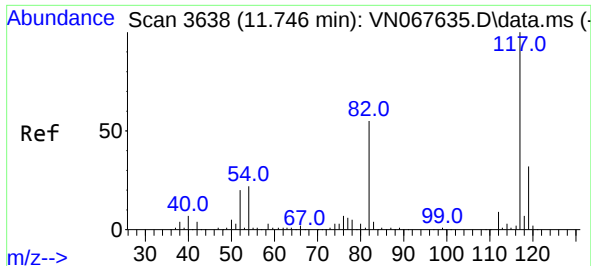
Tgt Ion: 43 Resp: 2669
Ion Ratio Lower Upper
43 100
58 34.5 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 44.023 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion: 95 Resp: 278324
Ion Ratio Lower Upper
95 100
174 71.6 0.0 122.0
176 68.4 0.0 117.6

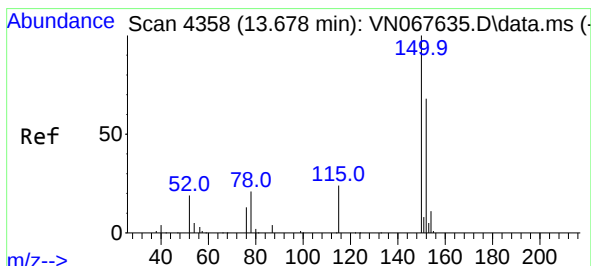
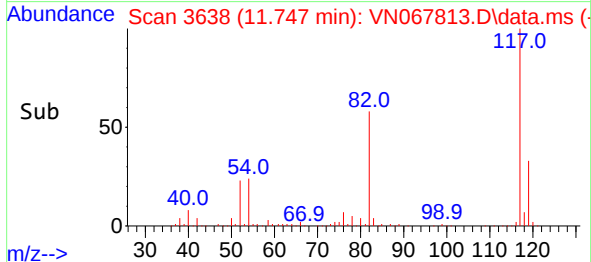
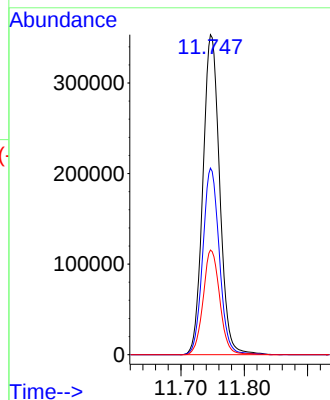
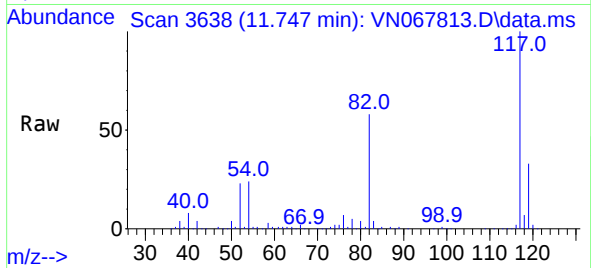




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

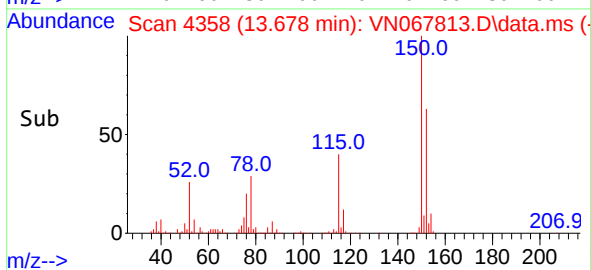
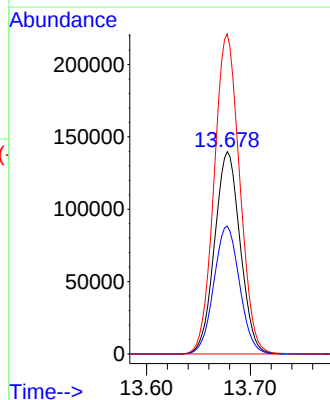
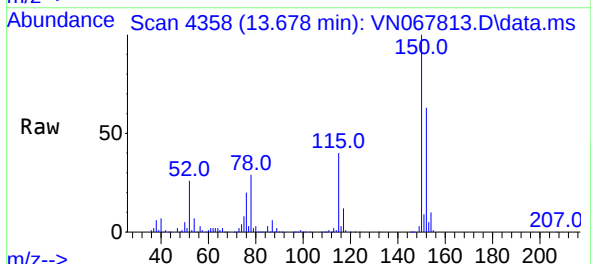
Instrument :
MSVOA_N
ClientSampleId :

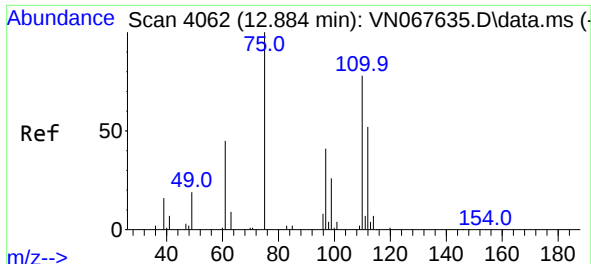
Tgt Ion:117 Resp: 648481
Ion Ratio Lower Upper
117 100
82 58.3 53.1 79.7
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion:152 Resp: 239461
Ion Ratio Lower Upper
152 100
115 63.6 36.1 108.5
150 158.0 0.0 351.8

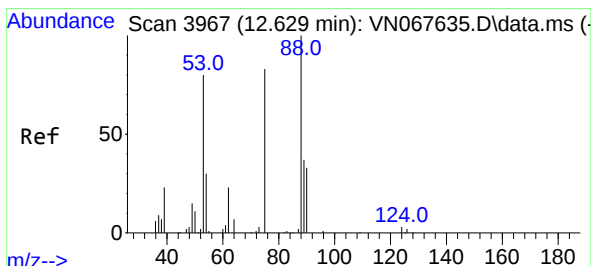
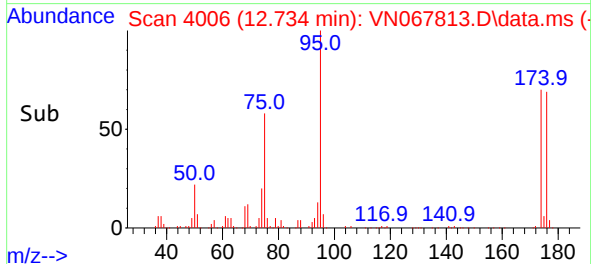
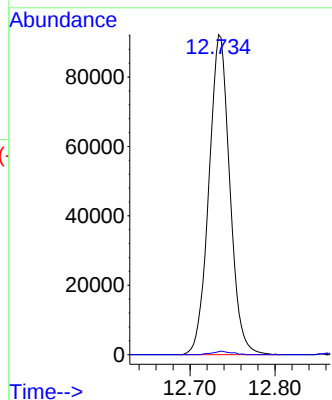
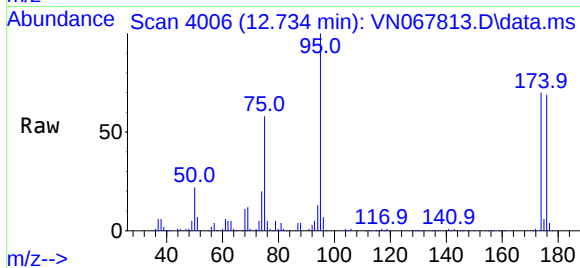




#76
1,2,3-Trichloropropane
Concen: 32.153 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

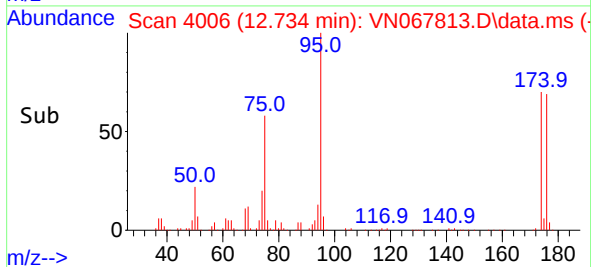
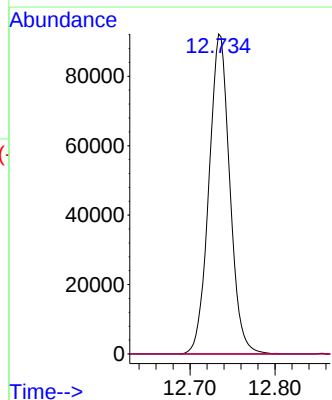
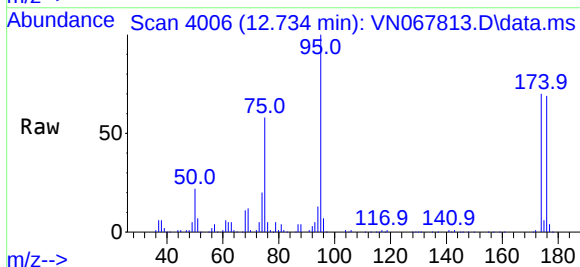
Instrument :
MSVOA_N
ClientSampled :

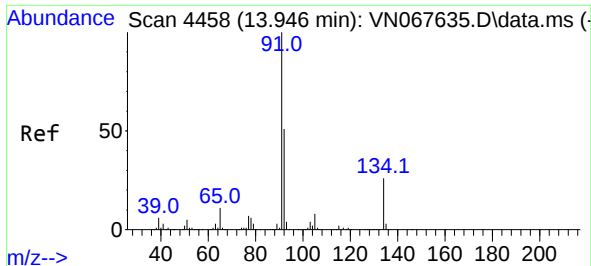
Tgt Ion: 75 Resp: 157237
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.666 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion: 75 Resp: 157237
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

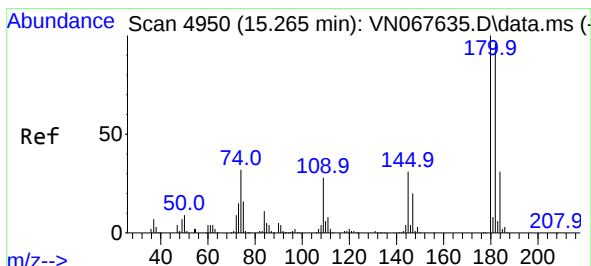
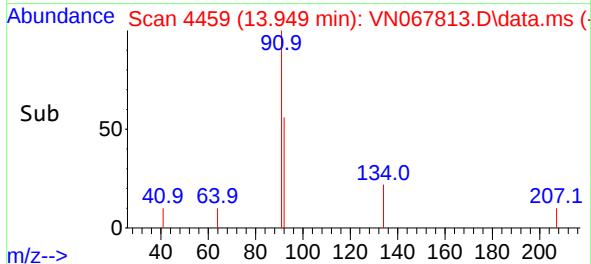
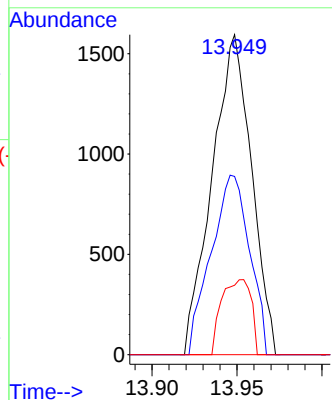
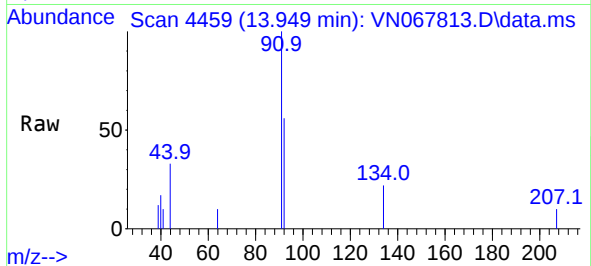




#89
n-Butylbenzene
Concen: 0.201 ug/l
RT: 13.949 min Scan# 4459
Delta R.T. 0.003 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

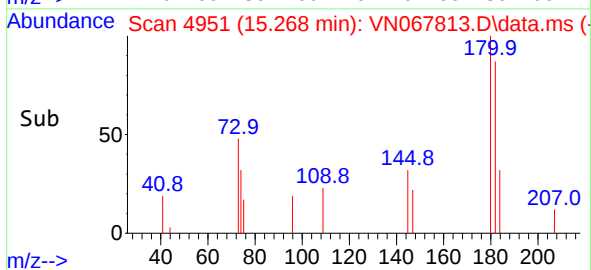
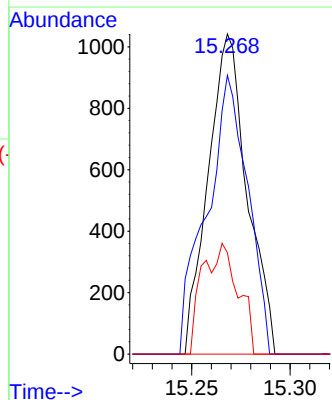
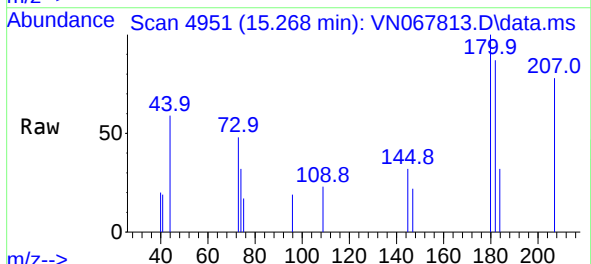
Instrument :
MSVOA_N
ClientSampleId :

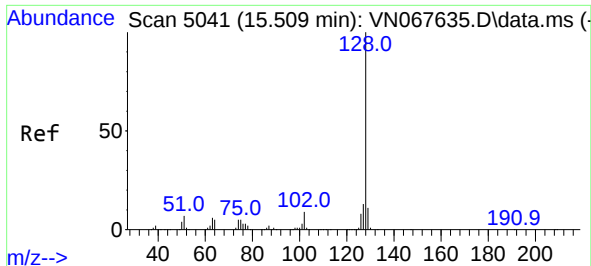
Tgt Ion:	91	Resp:	2576
Ion	Ratio	Lower	Upper
91	100		
92	54.7	25.7	77.1
134	17.4	11.2	33.6



#93
1,2,4-Trichlorobenzene
Concen: 3.015 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion:	180	Resp:	1434
Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.5	142.5
145	31.7	17.2	51.6

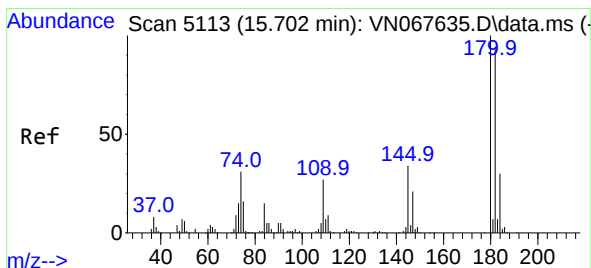
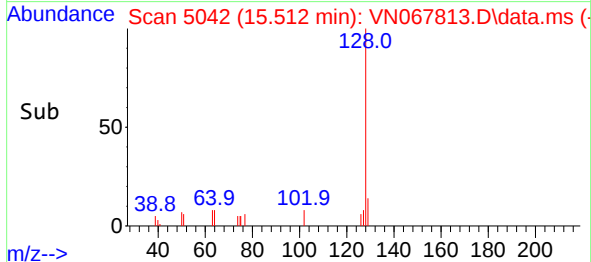
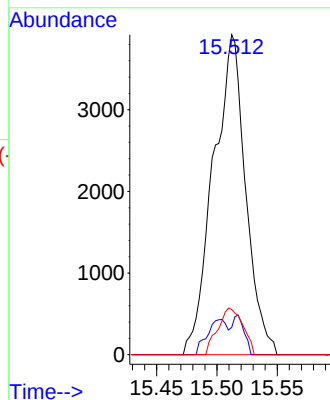
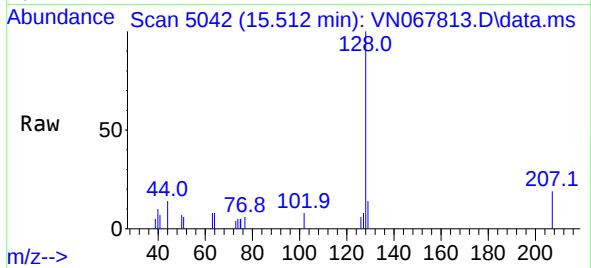




#95
Naphthalene
Concen: 3.598 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	7311
Ion	Ratio	Lower	Upper
128	100		
127	4.6	10.6	15.8#
129	11.3	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.039 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.001 min
Lab File: VN067813.D
Acq: 20 Jul 2021 13:10

Tgt Ion:	180	Resp:	1640
Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.8	143.3
145	41.0	18.2	54.6

