

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080521\
 Data File : VN067016.D
 Acq On : 5 Aug 2021 15:18
 Operator : JC/MD
 Sample : M3261-03DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 05 15:57:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

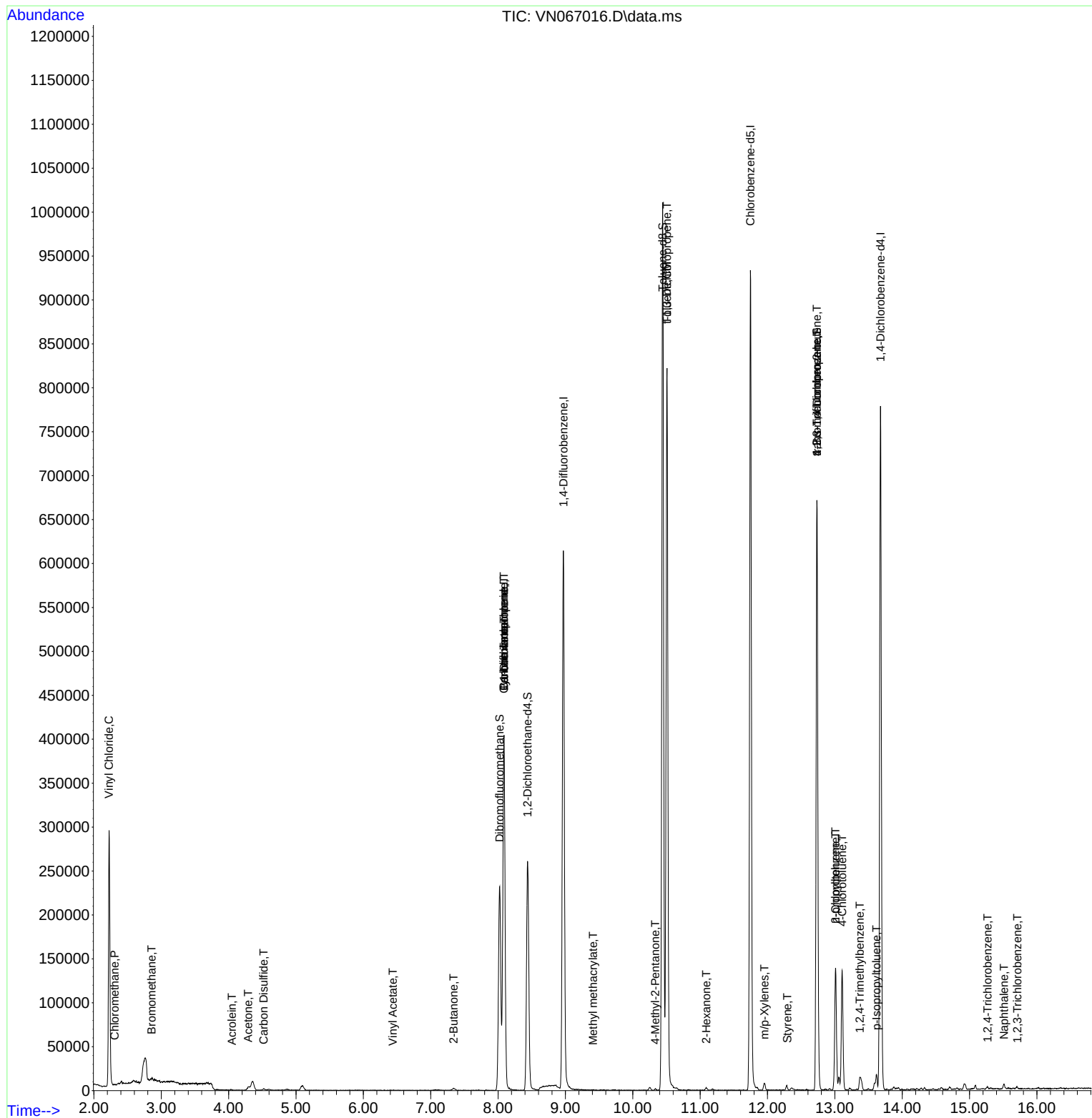
Internal Standards						
1) Pentafluorobenzene	8.088	168	290965	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	557398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	545816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	203273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	223962	54.371	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.740%	
35) Dibromofluoromethane	8.024	113	169839	52.283	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.560%	
50) Toluene-d8	10.443	98	706523	47.349	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 94.700%	
62) 4-Bromofluorobenzene	12.734	95	236914	43.854	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 87.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	906	0.245	ug/l	95
4) Vinyl Chloride	2.223	62	3554	0.615	ug/l	# 1
5) Bromomethane	2.856	94	3105	0.603	ug/l	# 74
13) Acrolein	4.047	56	193	0.515	ug/l	# 62
16) Acetone	4.291	43	7524	5.006	ug/l	# 84
17) Carbon Disulfide	4.521	76	3069	0.384	ug/l	# 74
23) Vinyl Acetate	6.439	43	24	8.803	ug/l	# 75
25) 2-Butanone	7.340	43	1756	0.805	ug/l	100
31) Cyclohexane	8.086	56	7624	1.255	ug/l	# 20
36) 1,1-Dichloropropene	8.088	75	26237	5.089	ug/l	# 51
38) Carbon Tetrachloride	8.088	117	31012	6.116	ug/l	# 18
48) Methyl methacrylate	9.411	41	53	2.317	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.333	43	1313	12.779	ug/l	# 77
52) Toluene	10.507	92	360248	36.322	ug/l	98
53) t-1,3-Dichloropropene	10.507	75	4466	3.466	ug/l	# 1
59) 2-Hexanone	11.092	43	2505	13.853	ug/l	82
68) m/p-Xylenes	11.956	106	2387	4.327	ug/l	88
70) Styrene	12.296	104	402	2.658	ug/l	# 58
76) 1,2,3-Trichloropropane	12.734	75	132306	32.409	ug/l	# 100
78) n-propylbenzene	13.010	91	83123	4.441	ug/l	# 55
79) 2-Chlorotoluene	13.010	91	83123	7.288	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.734	75	132306	87.046	ug/l	# 6
82) 4-Chlorotoluene	13.109	91	84016	7.336	ug/l	94
84) 1,2,4-Trimethylbenzene	13.372	105	7200	0.553	ug/l	98
86) p-Isopropyltoluene	13.619	119	9918	0.797	ug/l	92
93) 1,2,4-Trichlorobenzene	15.268	180	877	2.749	ug/l	98
95) Naphthalene	15.512	128	5674	3.748	ug/l	# 84
96) 1,2,3-Trichlorobenzene	15.708	180	939	2.687	ug/l	97

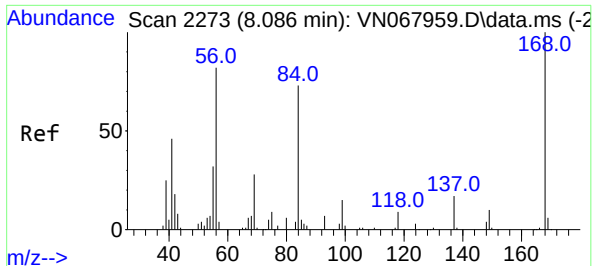
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080521\
Data File : VN067016.D
Acq On : 5 Aug 2021 15:18
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Sample : M3261-03DL 10X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

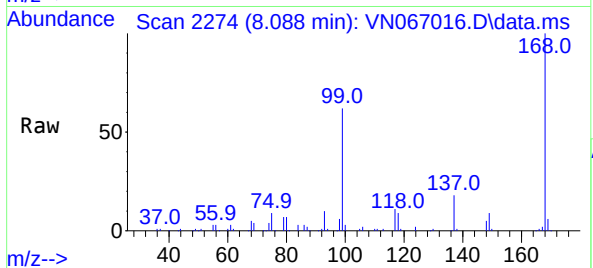
Quant Time: Aug 05 15:57:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration



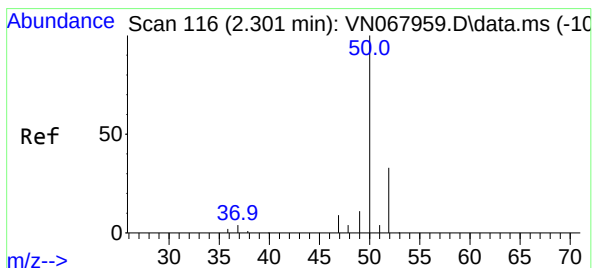
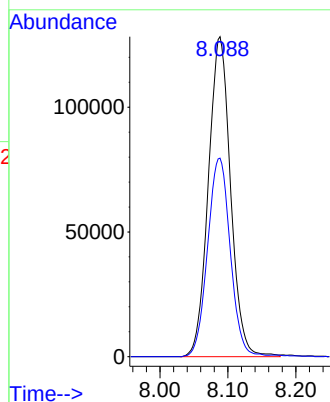
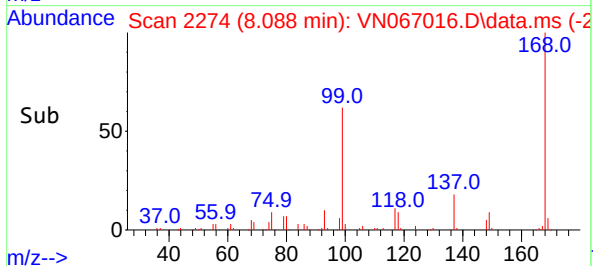


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

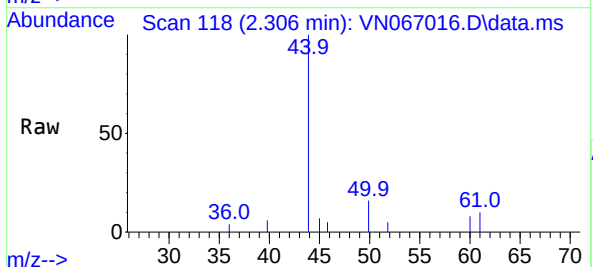
Instrument :
MSVOA_N
ClientSampleId :



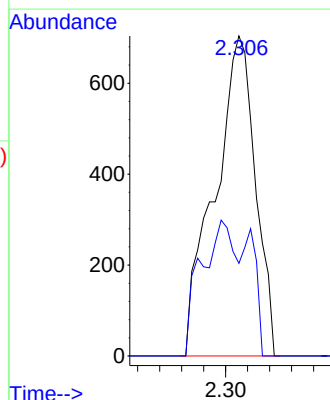
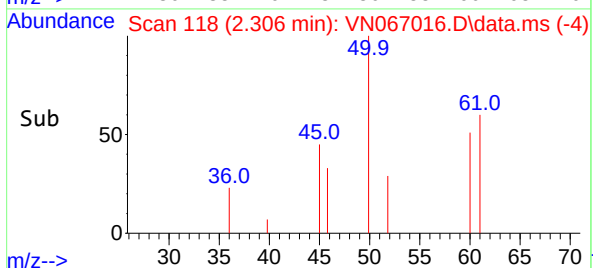
Tgt Ion:168 Resp: 290965
Ion Ratio Lower Upper
168 100
99 62.1 62.9 94.3#

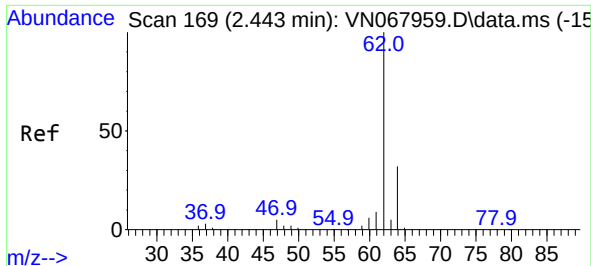


#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18



Tgt Ion: 50 Resp: 906
Ion Ratio Lower Upper
50 100
52 29.0 25.6 38.4

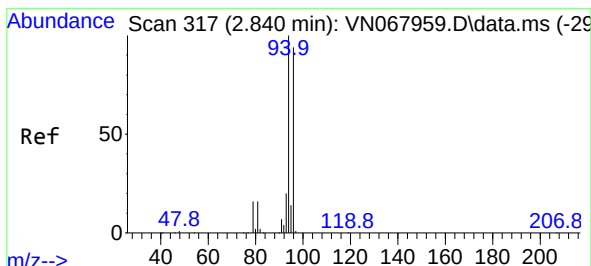
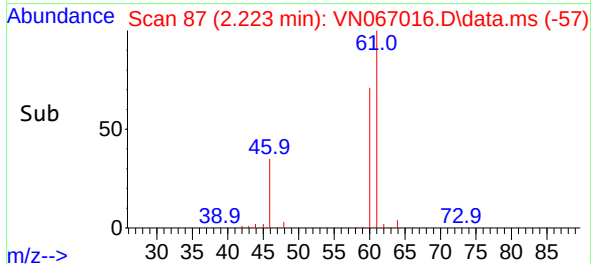
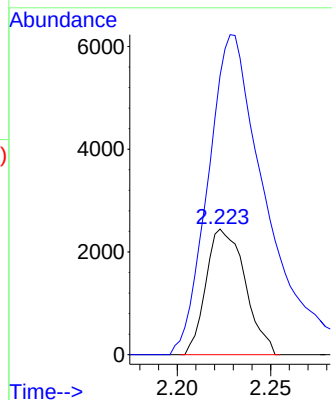
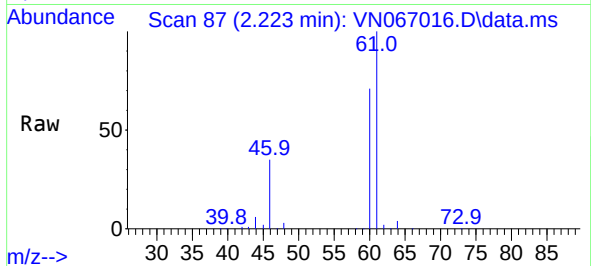




#4
 Vinyl Chloride
 Concen: 0.615 ug/l
 RT: 2.223 min Scan# 87
 Delta R.T. -0.220 min
 Lab File: VN067016.D
 Acq: 5 Aug 2021 15:18

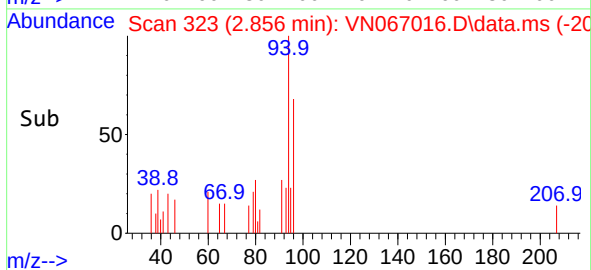
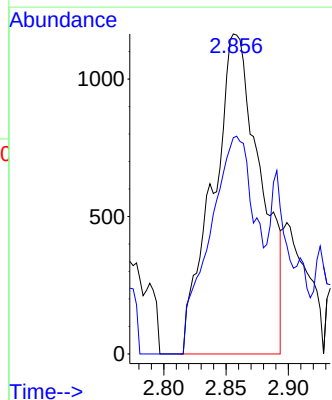
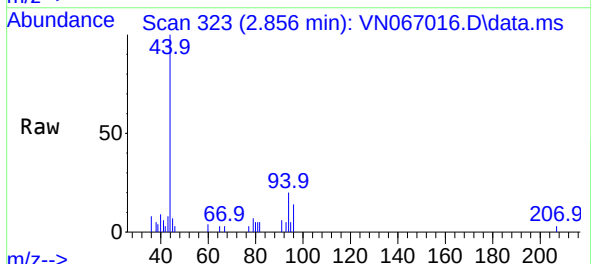
Instrument :
 MSVOA_N
 ClientSampleId :

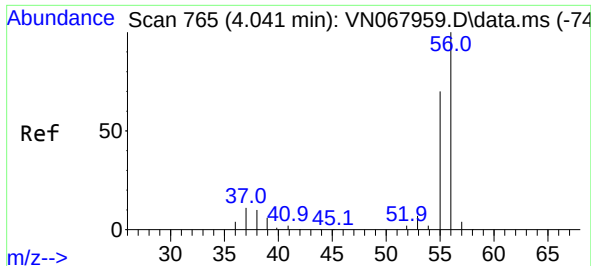
Tgt Ion: 62 Resp: 3554
 Ion Ratio Lower Upper
 62 100
 64 211.1 24.4 36.6#



#5
 Bromomethane
 Concen: 0.603 ug/l
 RT: 2.856 min Scan# 323
 Delta R.T. 0.016 min
 Lab File: VN067016.D
 Acq: 5 Aug 2021 15:18

Tgt Ion: 94 Resp: 3105
 Ion Ratio Lower Upper
 94 100
 96 67.6 73.7 110.5#

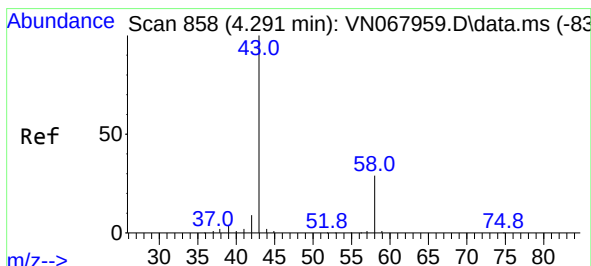
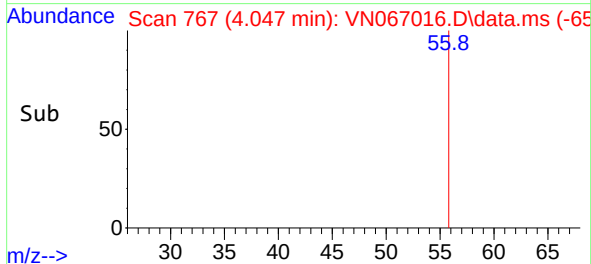
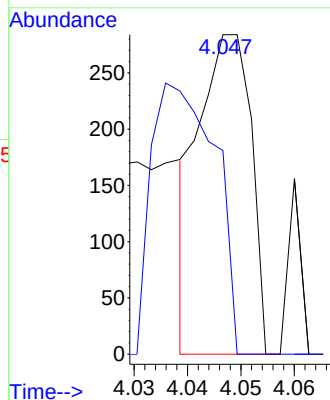
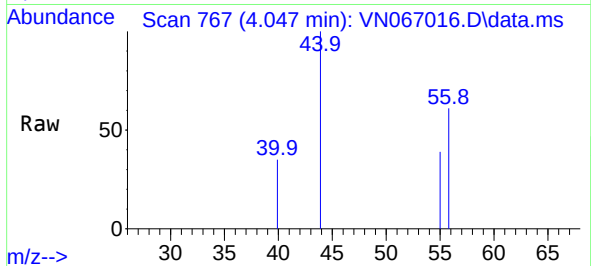




#13
Acrolein
Concen: 0.515 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.006 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

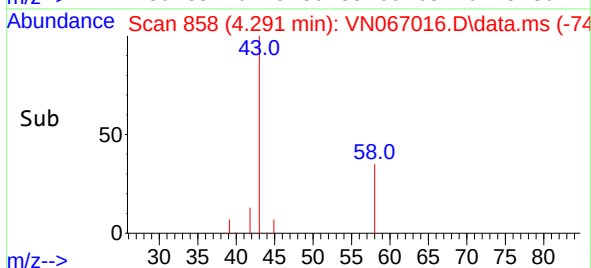
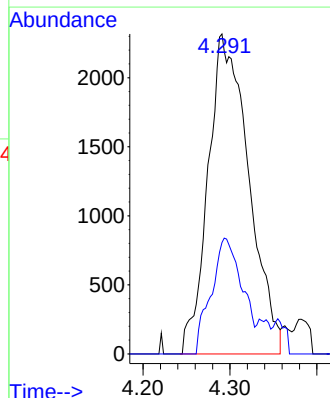
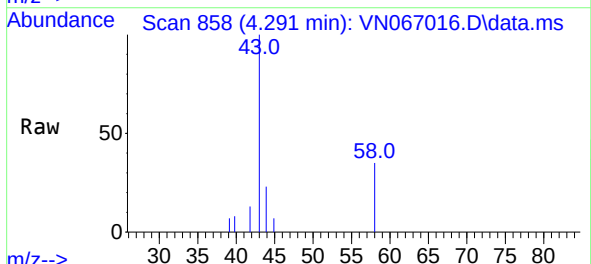
Instrument :
MSVOA_N
ClientSampled :

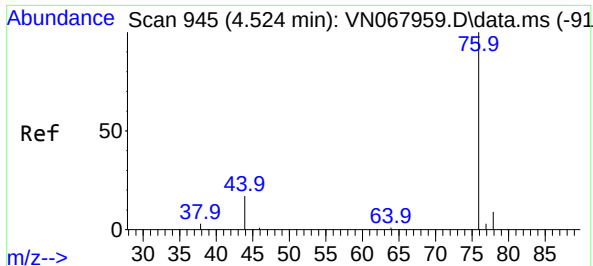
Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 103.6 57.4 86.0#



#16
Acetone
Concen: 5.006 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 43 Resp: 7524
Ion Ratio Lower Upper
43 100
58 34.8 21.2 31.8#

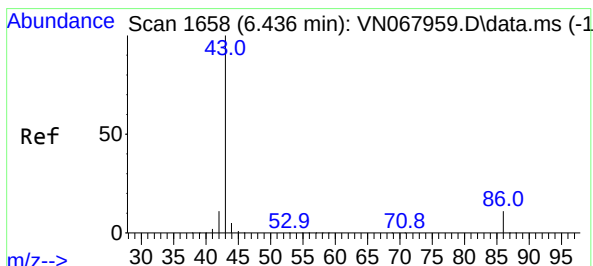
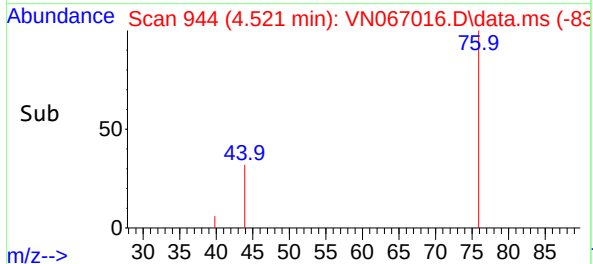
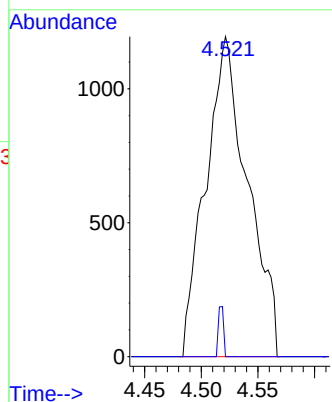
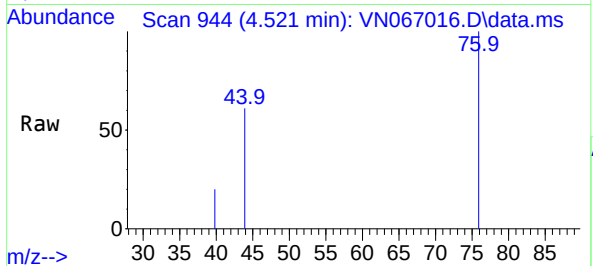




#17
Carbon Disulfide
Concen: 0.384 ug/l
RT: 4.521 min Scan# 944
Delta R.T. -0.003 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

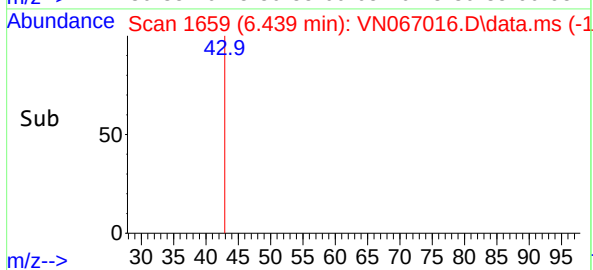
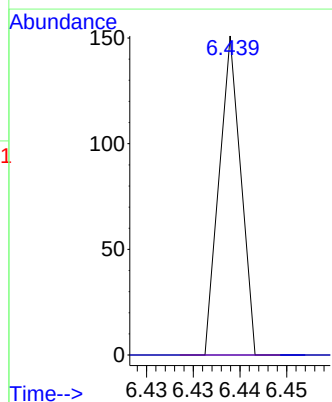
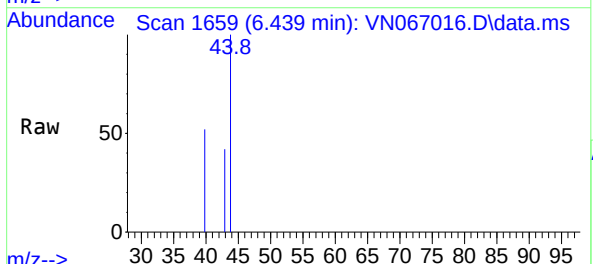
Instrument :
MSVOA_N
ClientSampleId :

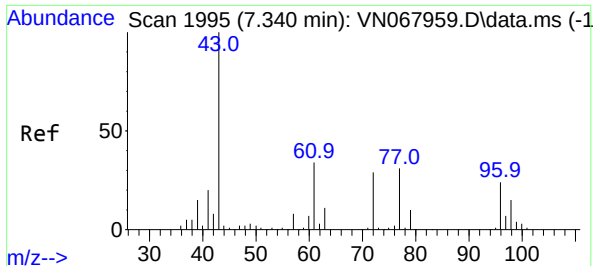
Tgt Ion: 76 Resp: 3069
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#23
Vinyl Acetate
Concen: 8.803 ug/l
RT: 6.439 min Scan# 1659
Delta R.T. 0.003 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
86 0.0 7.3 10.9#

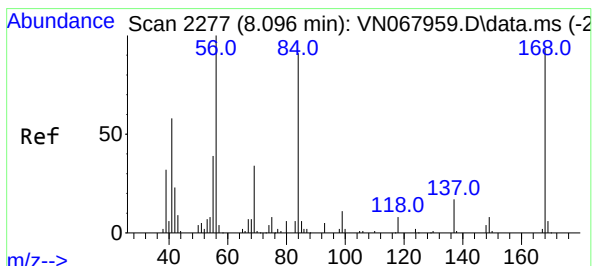
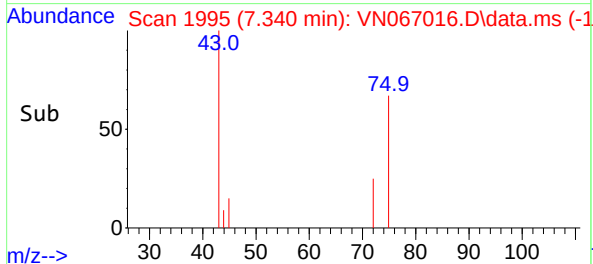
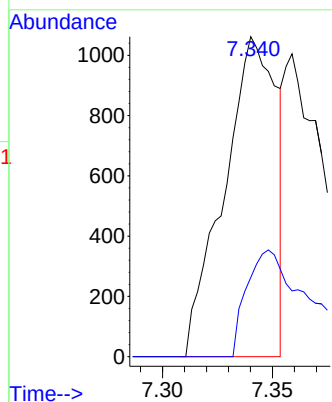
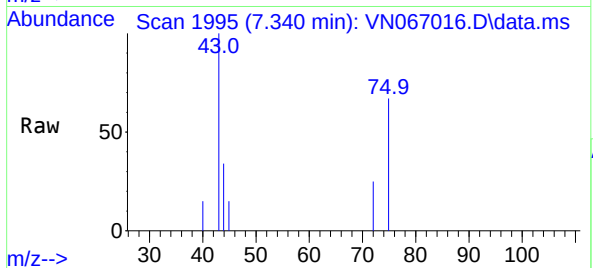




#25
2-Butanone
Concen: 0.805 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

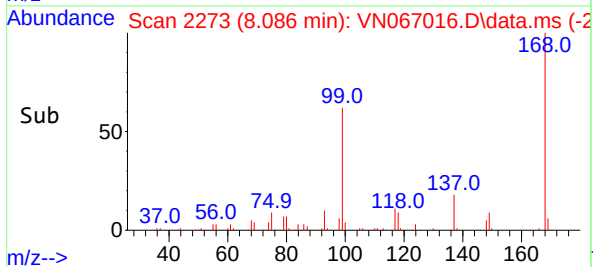
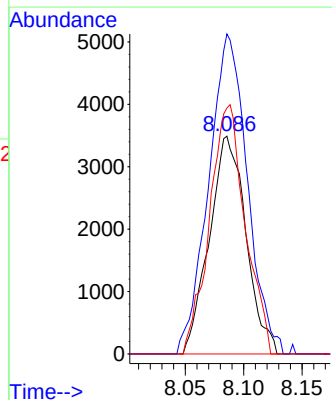
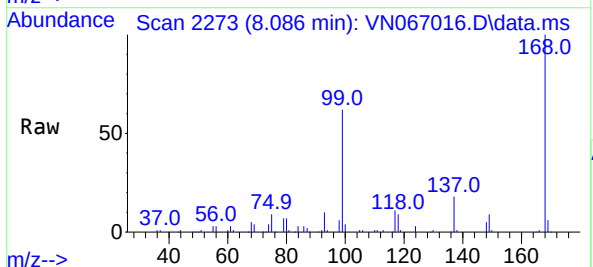
Instrument :
MSVOA_N
ClientSampled :

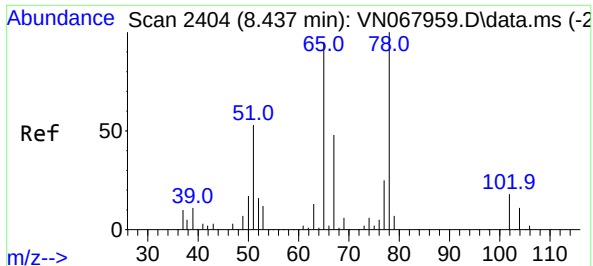
Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
72 24.8 19.7 29.5



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 56 Resp: 7624
Ion Ratio Lower Upper
56 100
69 140.8 27.3 40.9#
84 113.0 64.9 97.3#



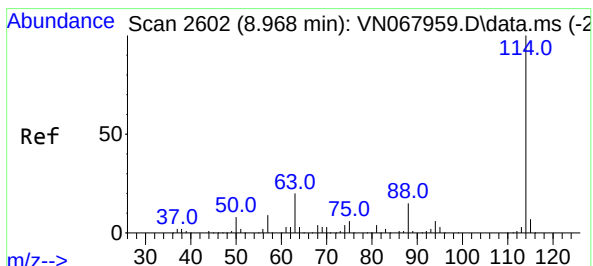
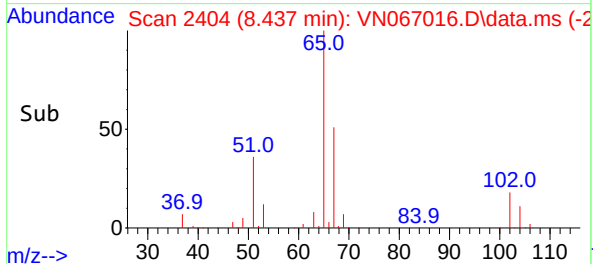
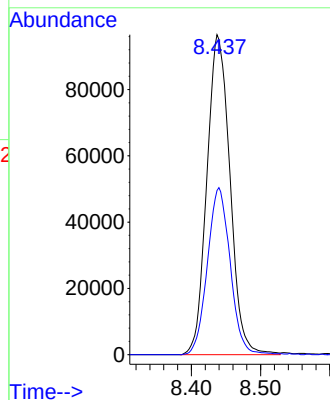
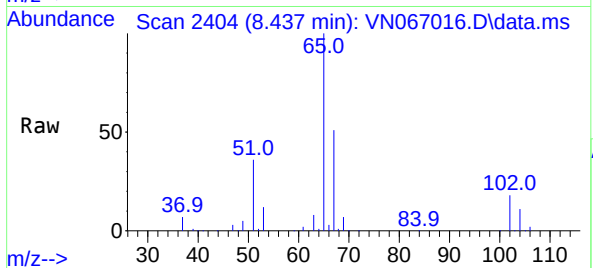


#33

1,2-Dichloroethane-d4
Concen: 54.371 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Instrument :
MSVOA_N
ClientSampled :

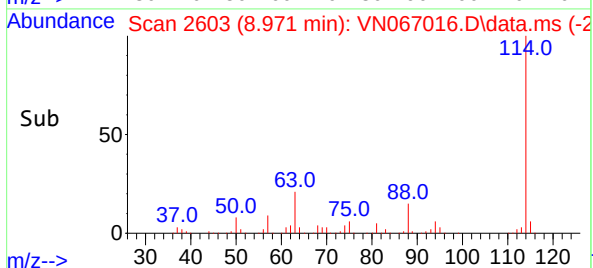
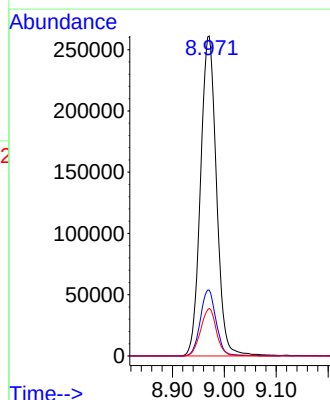
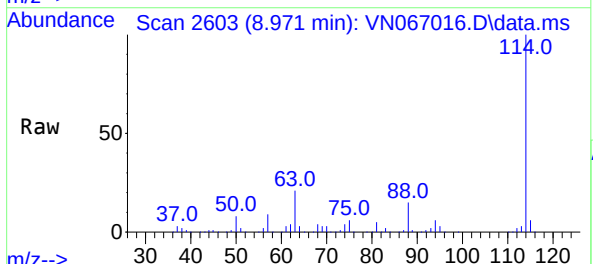
Tgt Ion: 65 Resp: 223962
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6

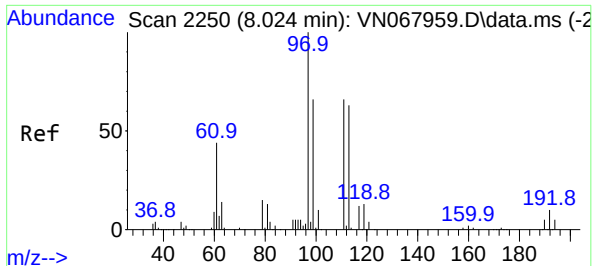


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 114 Resp: 557398
Ion Ratio Lower Upper
114 100
63 20.6 0.0 49.0
88 14.8 0.0 36.6

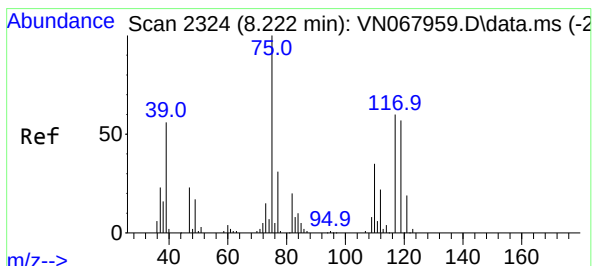
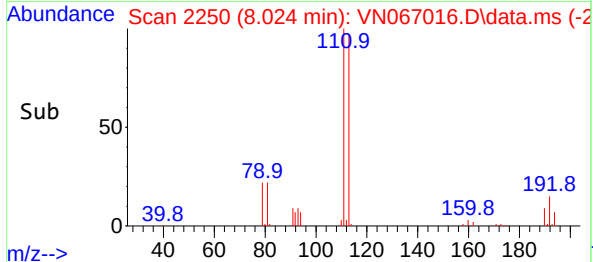
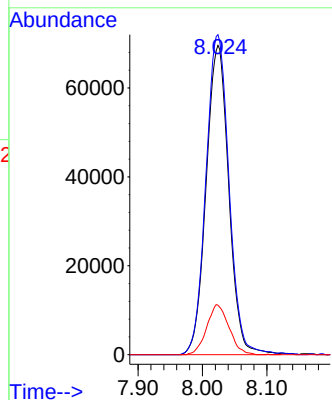
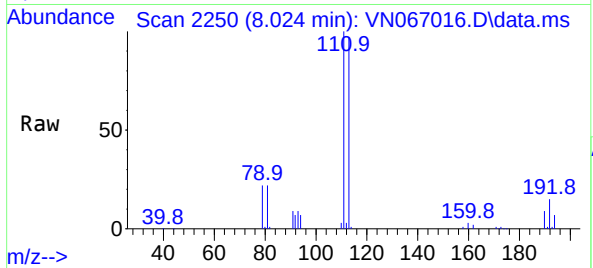




#35
Dibromofluoromethane
Concen: 52.283 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

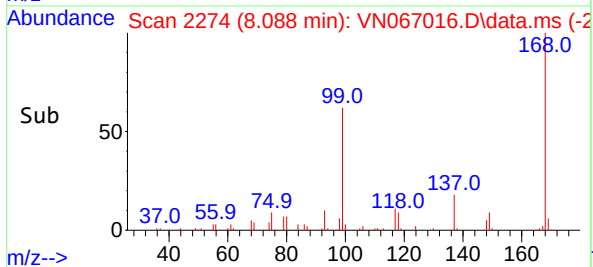
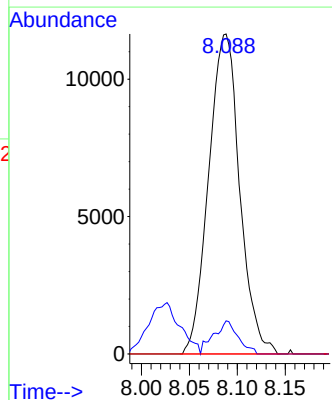
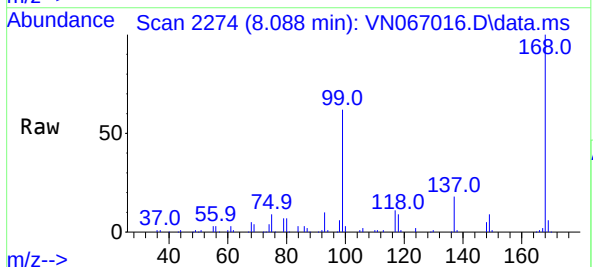
Instrument :
MSVOA_N
ClientSampleId :

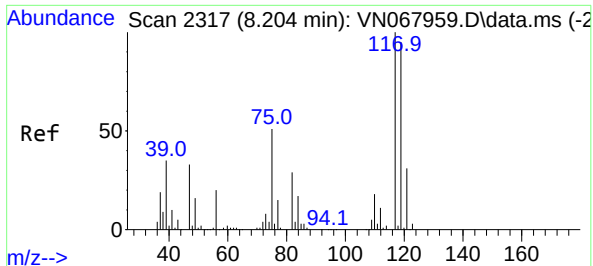
Tgt Ion:113 Resp: 169839
Ion Ratio Lower Upper
113 100
111 105.5 83.8 125.8
192 15.9 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.089 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

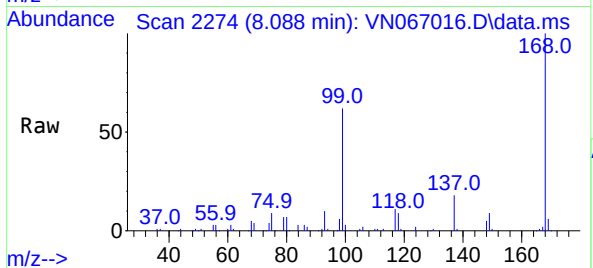
Tgt Ion: 75 Resp: 26237
Ion Ratio Lower Upper
75 100
110 8.1 15.7 47.0#
77 0.0 24.6 37.0#



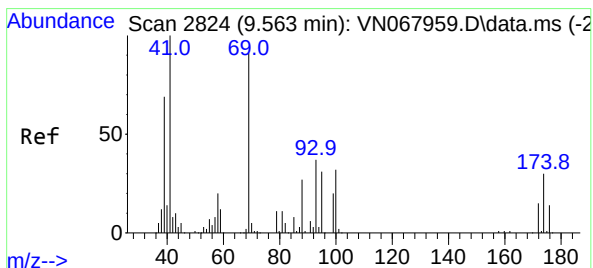
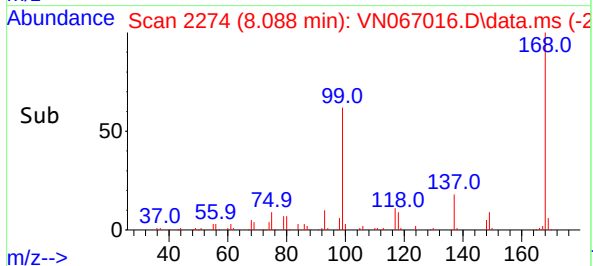
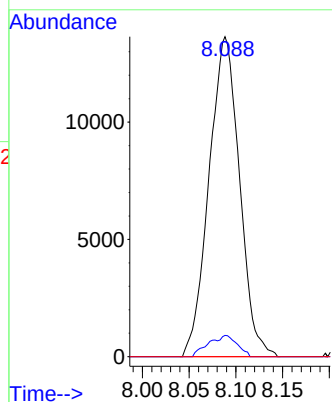


#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Instrument :
MSVOA_N
ClientSampled :

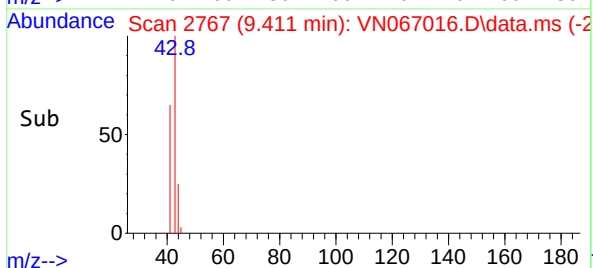
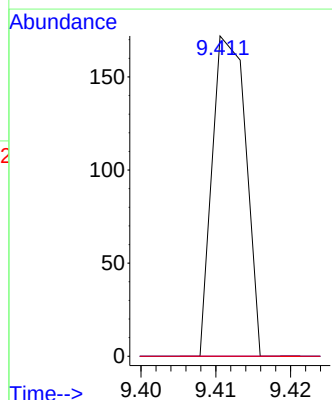
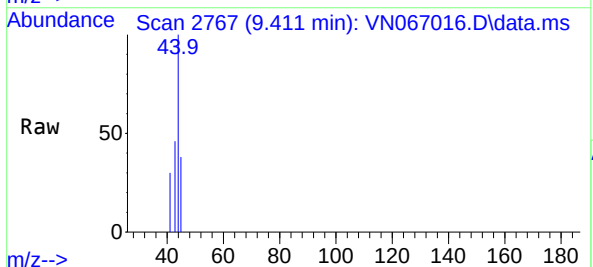


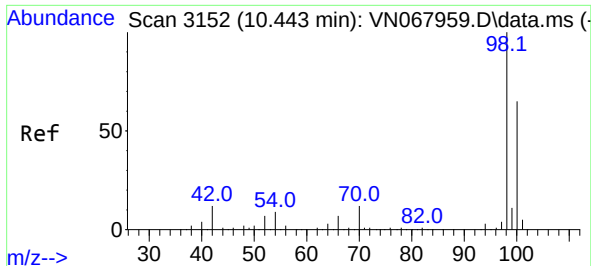
Tgt Ion:117 Resp: 31012
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.2#
121 0.0 23.5 35.3#



#48
Methyl methacrylate
Concen: 2.317 ug/l
RT: 9.411 min Scan# 2767
Delta R.T. -0.152 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

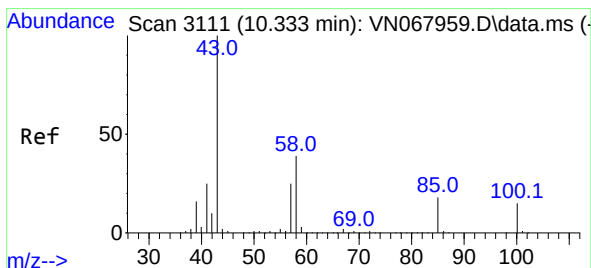
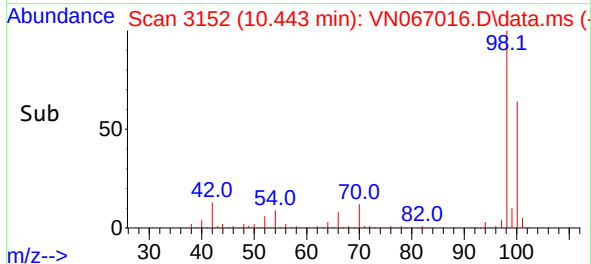
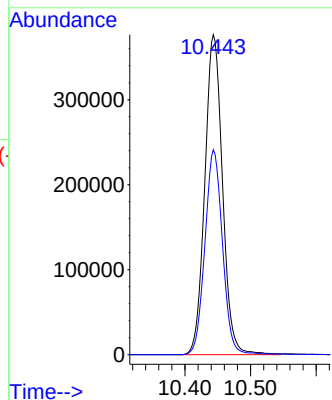
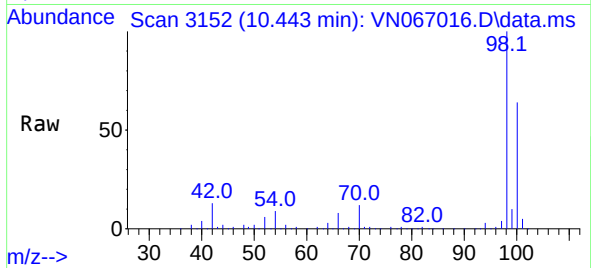




#50
Toluene-d8
Concen: 47.349 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

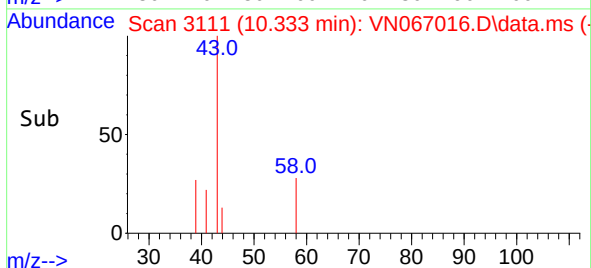
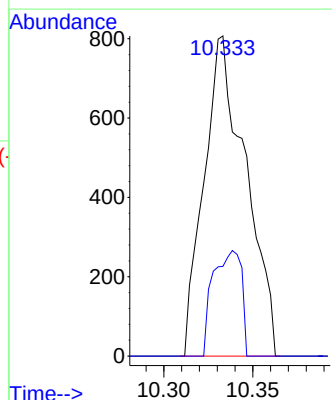
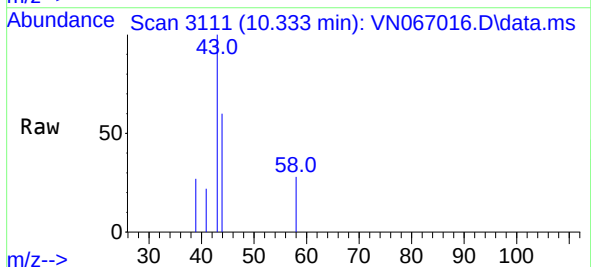
Instrument :
MSVOA_N
ClientSampleId :

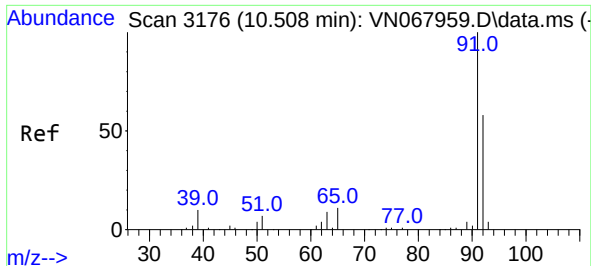
Tgt Ion: 98 Resp: 706523
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.779 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
58 22.4 28.6 43.0#

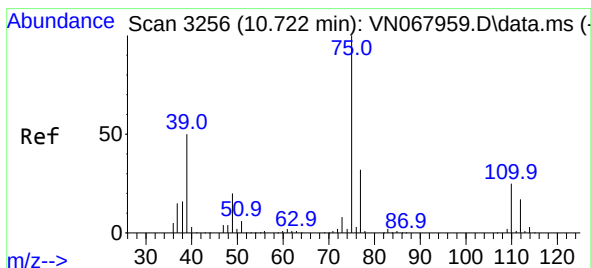
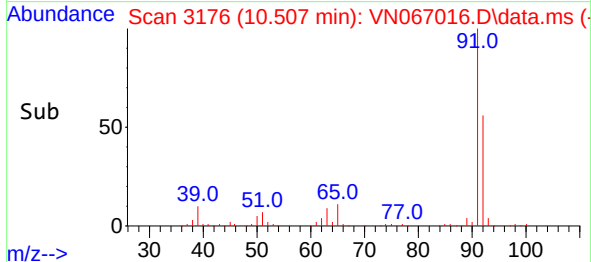
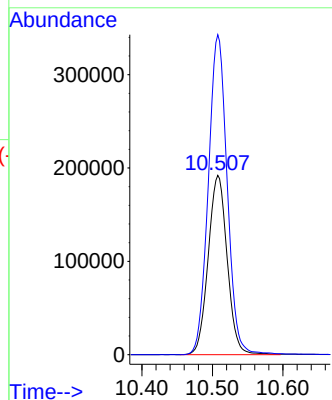
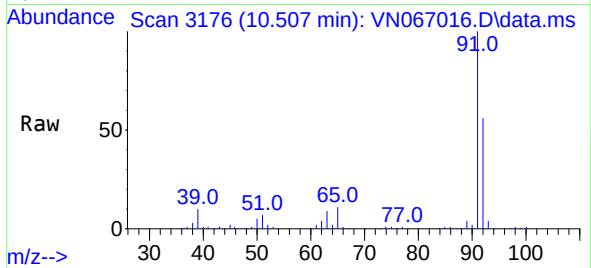




#52
Toluene
Concen: 36.322 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.001 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

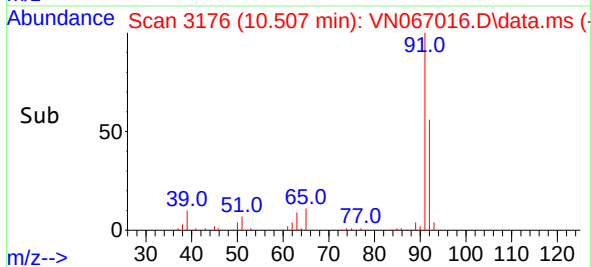
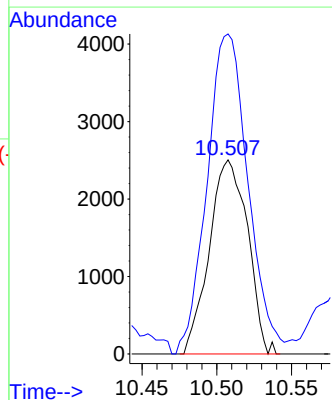
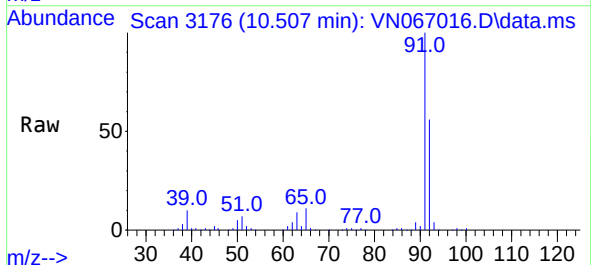
Tgt Ion: 92 Resp: 360248
Ion Ratio Lower Upper
92 100
91 177.2 139.6 209.4

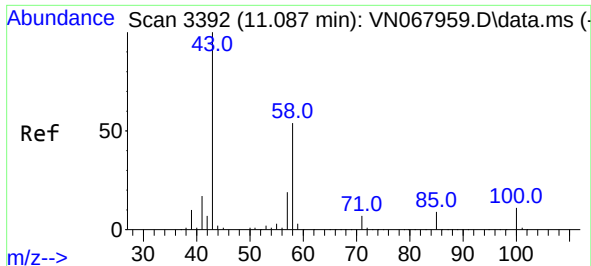
Instrument :
MSVOA_N
ClientSampleId :



#53
t-1,3-Dichloropropene
Concen: 3.466 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.215 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 75 Resp: 4466
Ion Ratio Lower Upper
75 100
77 158.2 25.1 37.7#

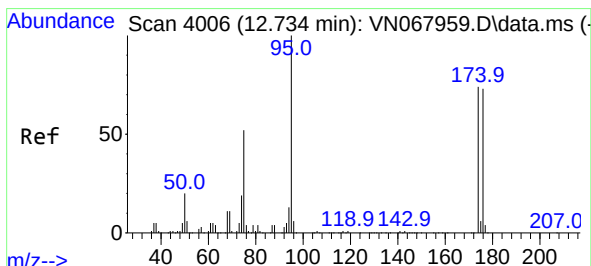
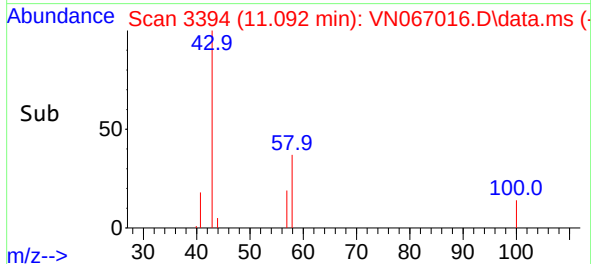
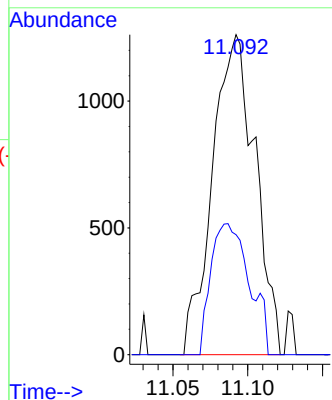
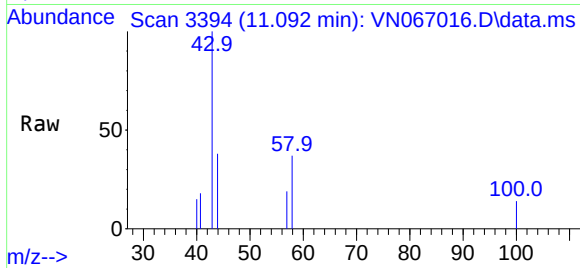




#59
2-Hexanone
Concen: 13.853 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

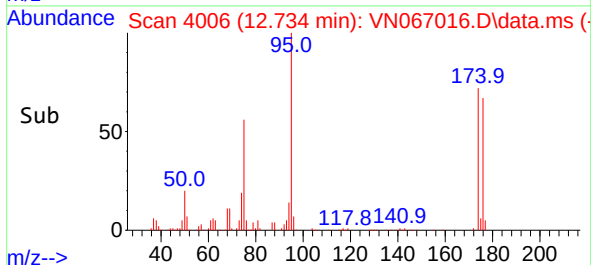
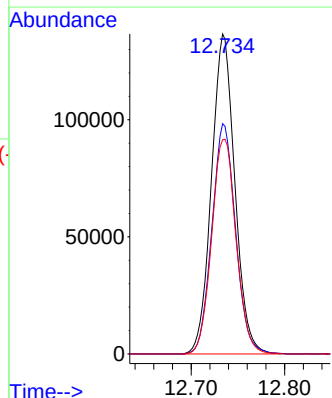
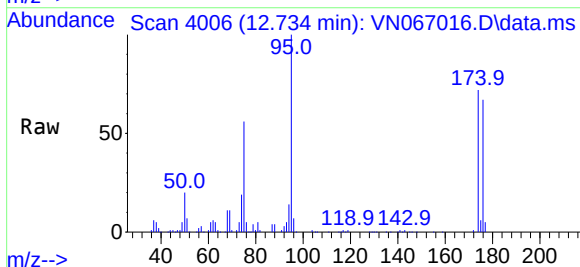
Instrument :
MSVOA_N
ClientSampled :

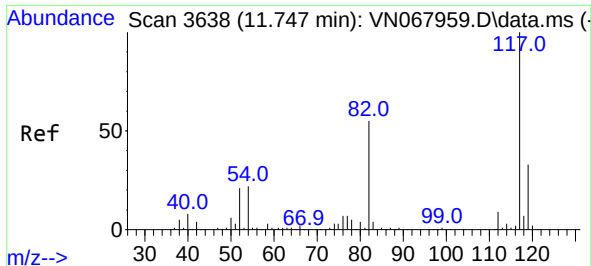
Tgt Ion: 43 Resp: 2505
Ion Ratio Lower Upper
43 100
58 36.9 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 43.854 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 95 Resp: 236914
Ion Ratio Lower Upper
95 100
174 73.0 0.0 122.0
176 70.1 0.0 117.6

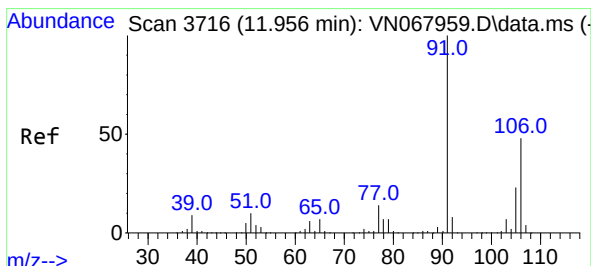
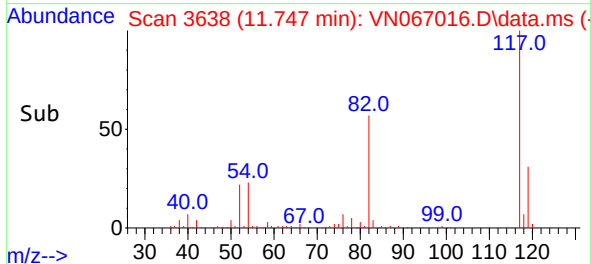
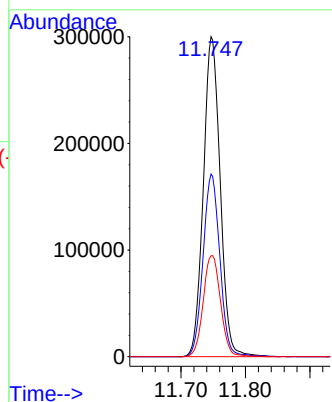
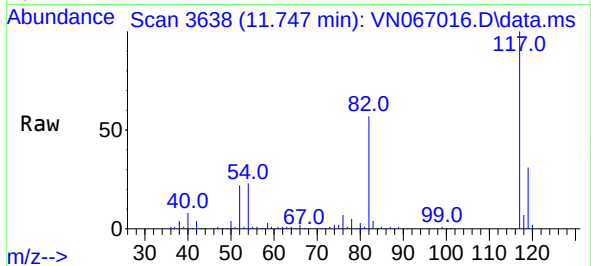




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

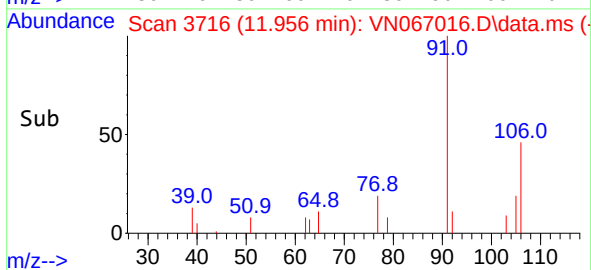
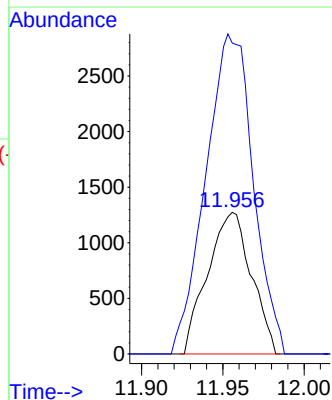
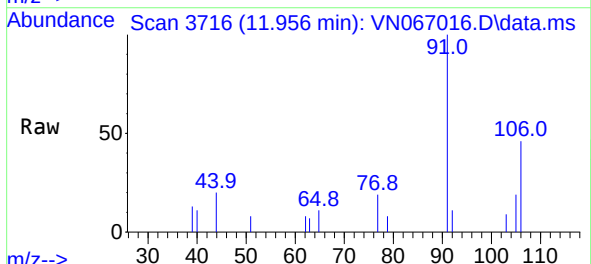
Instrument :
MSVOA_N
ClientSampleId :

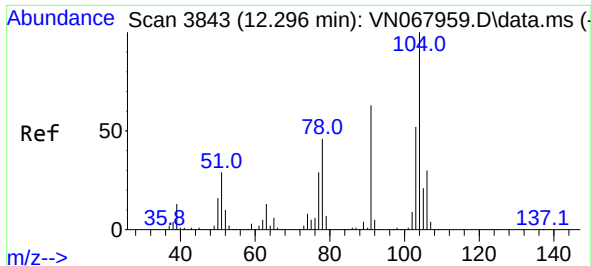
Tgt Ion:117 Resp: 545816
Ion Ratio Lower Upper
117 100
82 57.1 53.1 79.7
119 31.5 25.5 38.3



#68
m/p-Xylenes
Concen: 4.327 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion:106 Resp: 2387
Ion Ratio Lower Upper
106 100
91 244.7 180.6 270.8

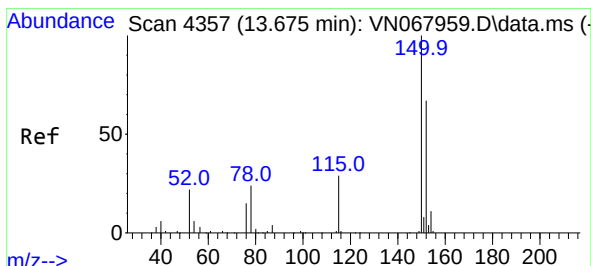
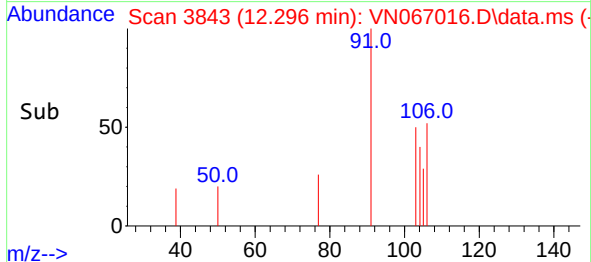
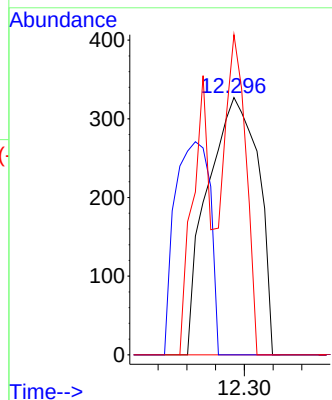
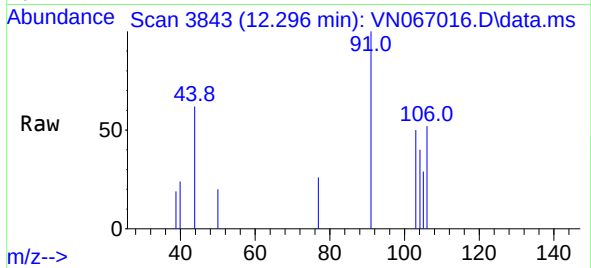




#70
Styrene
Concen: 2.658 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

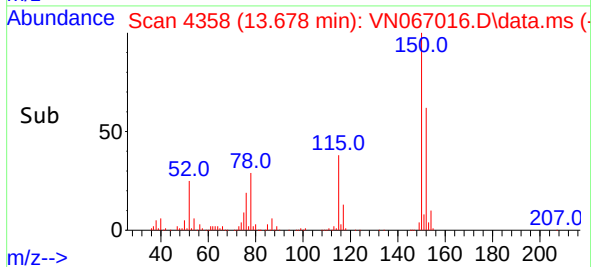
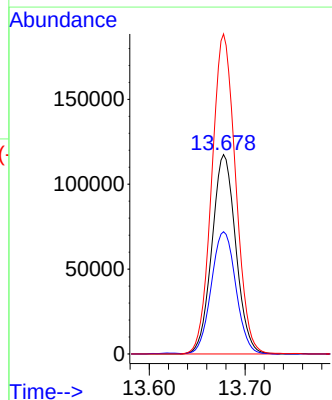
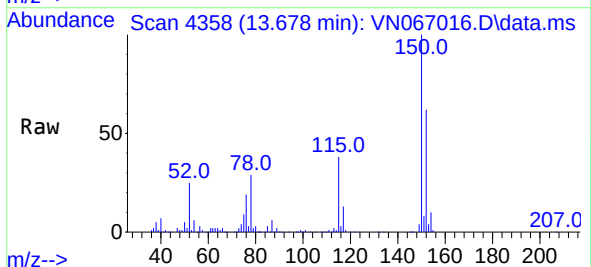
Instrument :
MSVOA_N
ClientSampled :

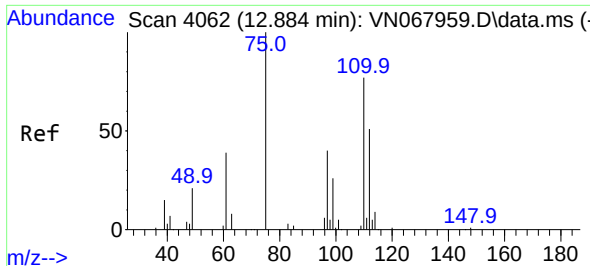
Tgt Ion:104 Resp: 402
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 56.0 44.5 66.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion:152 Resp: 203273
Ion Ratio Lower Upper
152 100
115 63.2 36.1 108.5
150 160.3 0.0 351.8

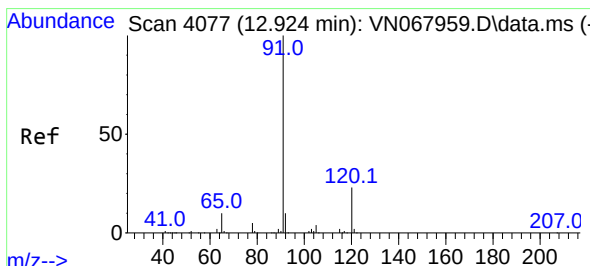
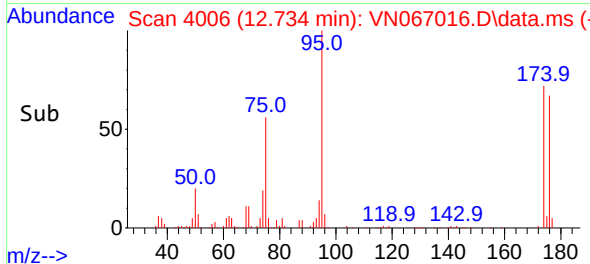
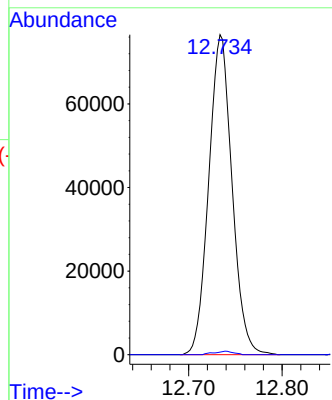
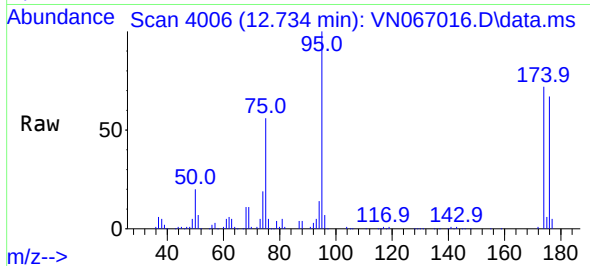




#76
1,2,3-Trichloropropane
Concen: 32.409 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

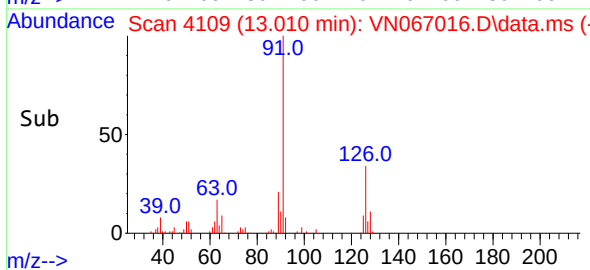
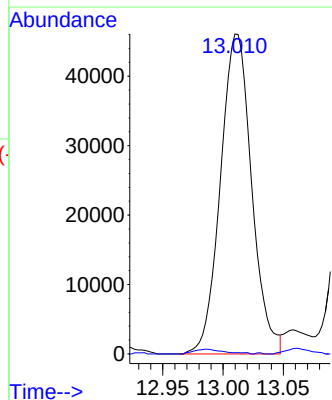
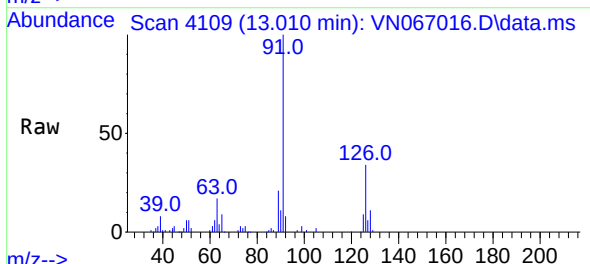
Instrument :
MSVOA_N
ClientSampleId :

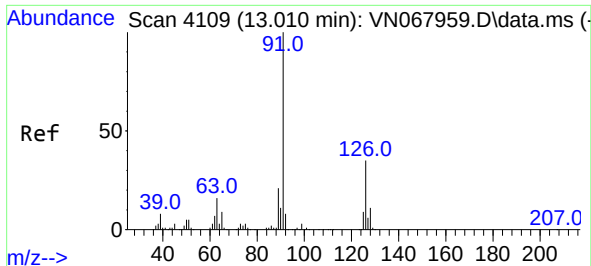
Tgt Ion: 75 Resp: 132306
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#78
n-propylbenzene
Concen: 4.441 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. 0.086 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 91 Resp: 83123
Ion Ratio Lower Upper
91 100
120 0.0 10.4 31.4#

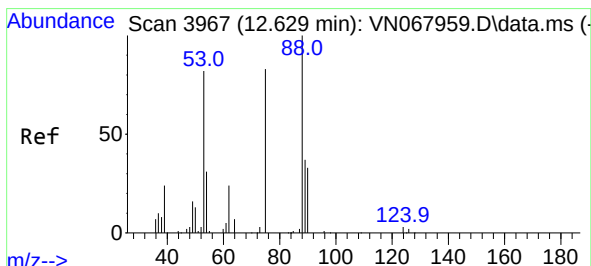
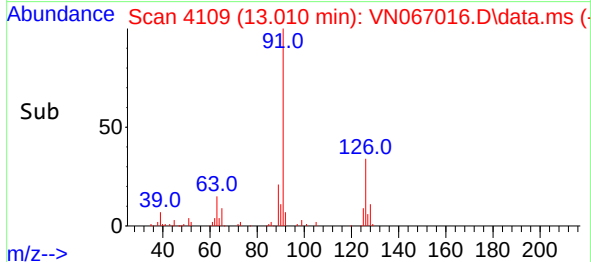
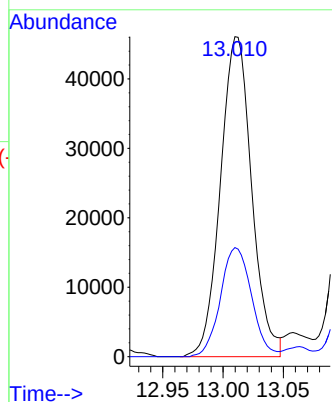
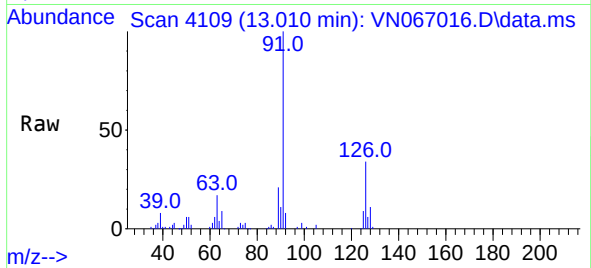




#79
2-Chlorotoluene
Concen: 7.288 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. -0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

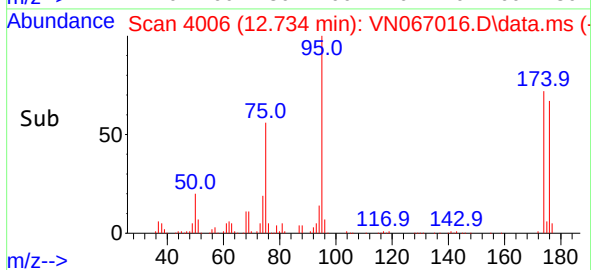
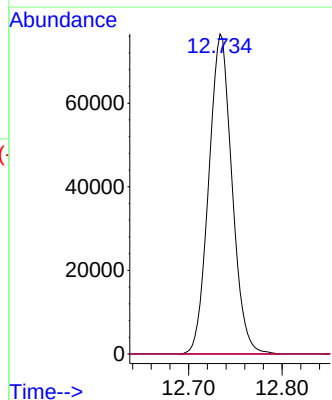
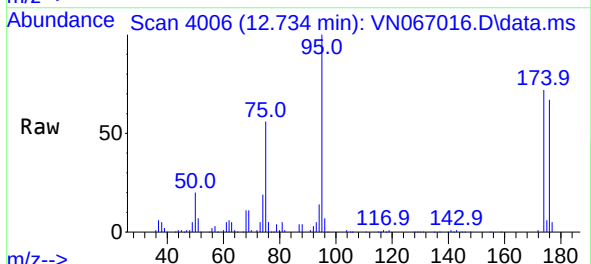
Instrument :
MSVOA_N
ClientSampled :

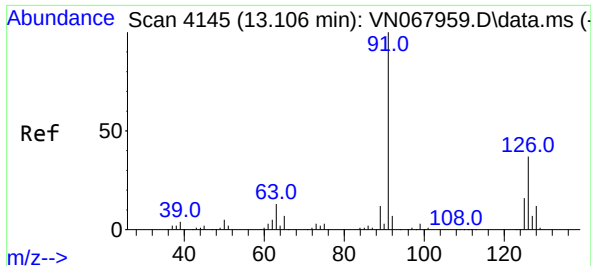
Tgt Ion: 91 Resp: 83123
Ion Ratio Lower Upper
91 100
126 34.0 14.5 43.5



#81
trans-1,4-Dichloro-2-butene
Concen: 87.046 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 75 Resp: 132306
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

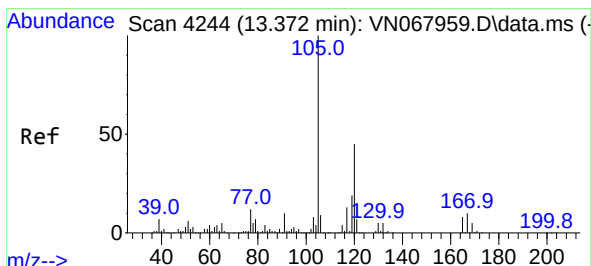
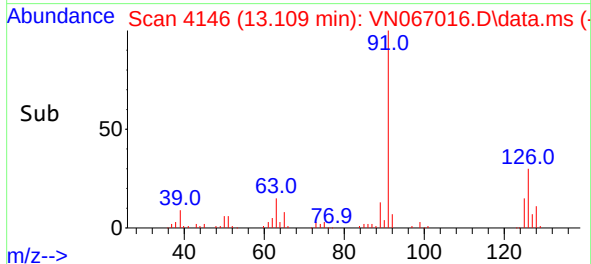
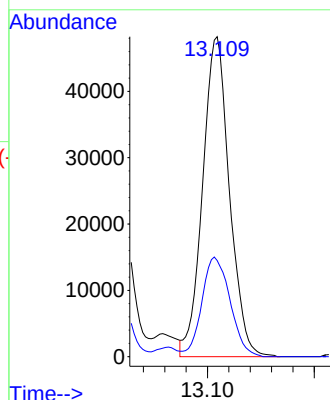
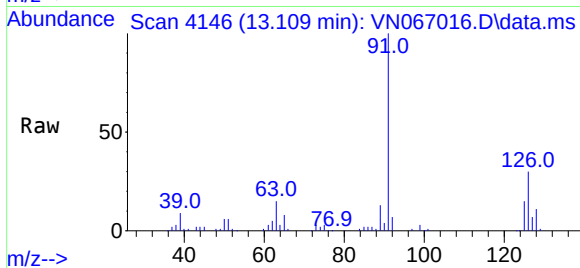




#82
4-Chlorotoluene
Concen: 7.336 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

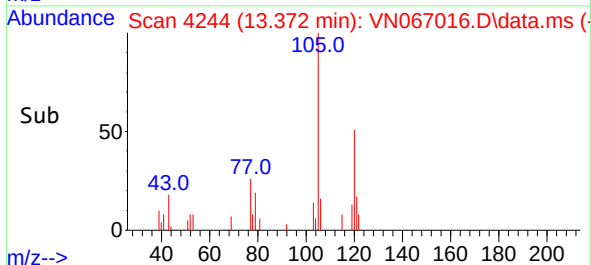
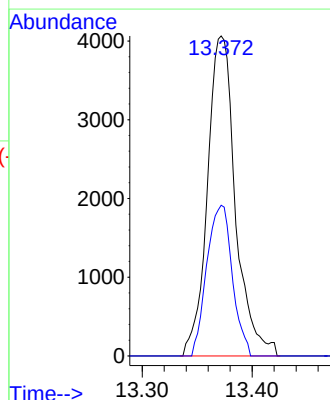
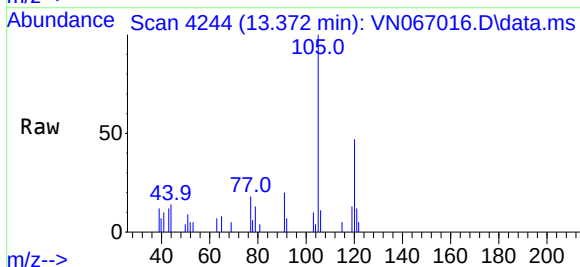
Instrument :
MSVOA_N
ClientSampled :

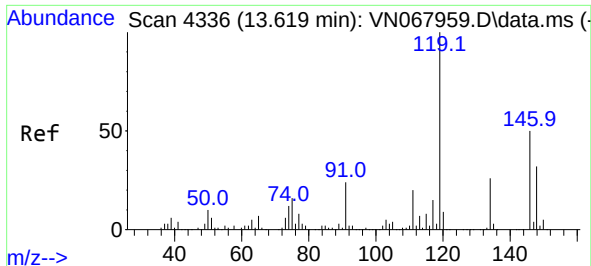
Tgt Ion: 91 Resp: 84016
Ion Ratio Lower Upper
91 100
126 32.7 14.8 44.4



#84
1,2,4-Trimethylbenzene
Concen: 0.553 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. -0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion: 105 Resp: 7200
Ion Ratio Lower Upper
105 100
120 42.7 20.6 61.8

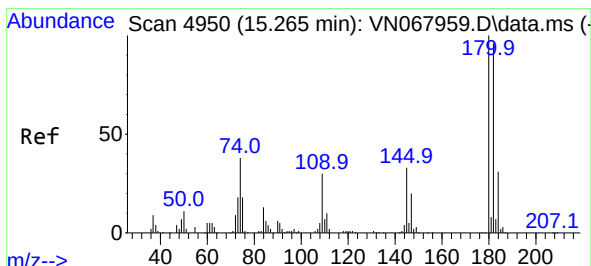
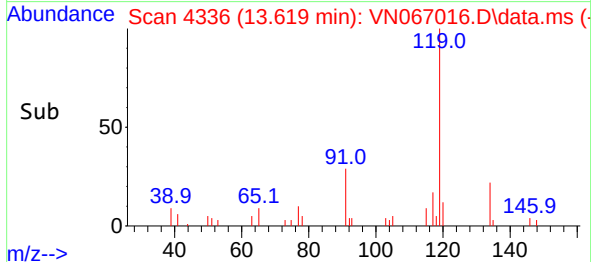
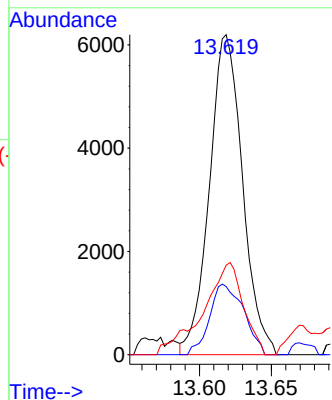
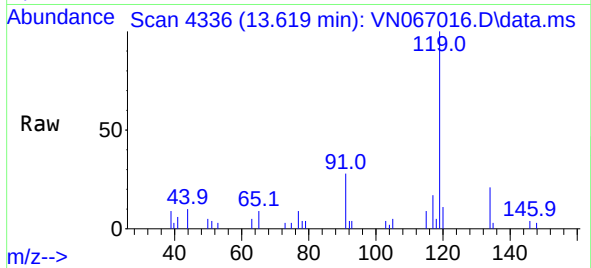




#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. -0.000 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

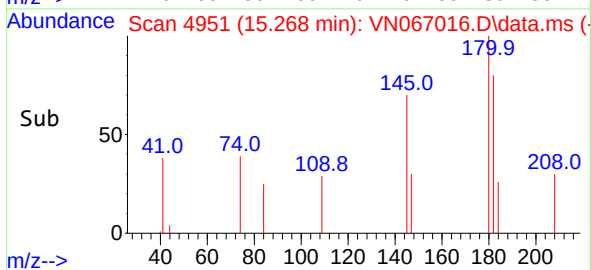
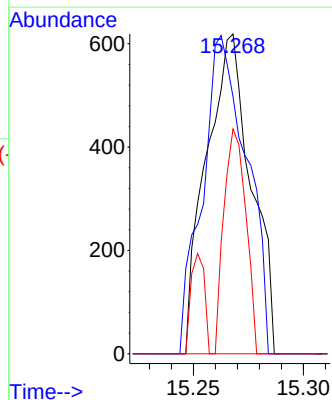
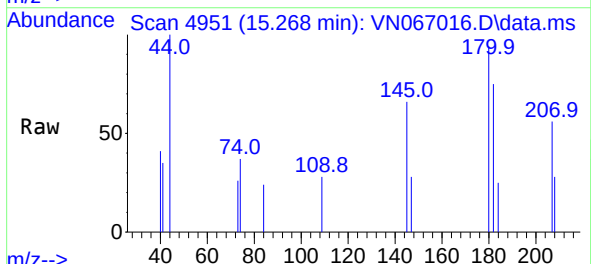
Instrument :
MSVOA_N
ClientSampleId :

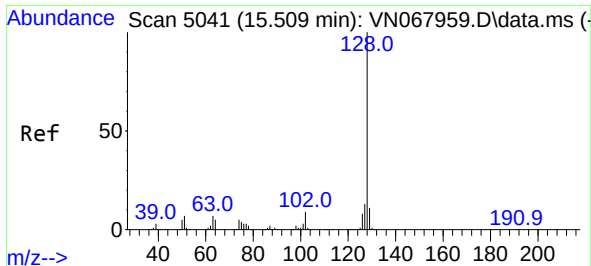
Tgt Ion:119 Resp: 9918
Ion Ratio Lower Upper
119 100
134 22.7 12.4 37.4
91 35.0 14.8 44.3



#93
1,2,4-Trichlorobenzene
Concen: 2.749 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion:180 Resp: 877
Ion Ratio Lower Upper
180 100
182 98.2 47.5 142.5
145 34.3 17.2 51.6

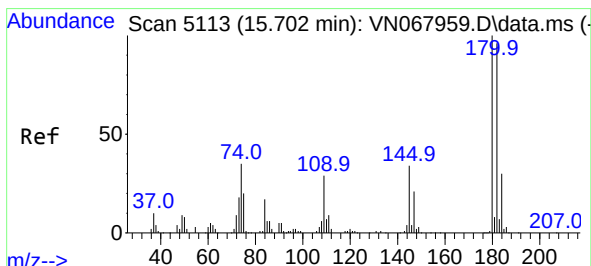
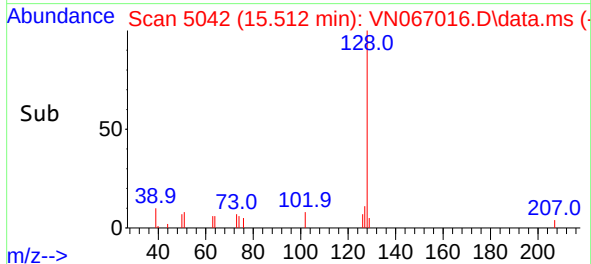
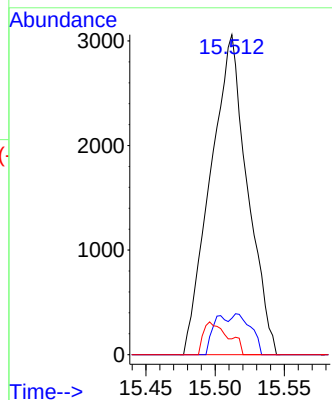
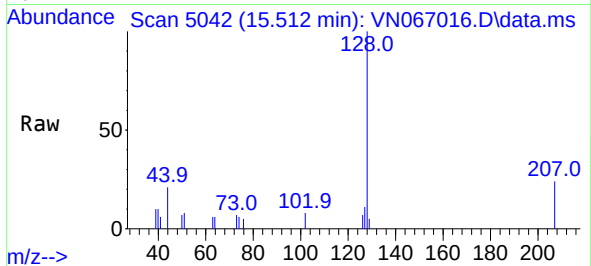




#95
Naphthalene
Concen: 3.748 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128	Resp:	5674
Ion Ratio	Lower	Upper
128	100	
127	5.2	10.6 15.8#
129	6.8	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.687 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN067016.D
Acq: 5 Aug 2021 15:18

Tgt Ion:180	Resp:	939
Ion Ratio	Lower	Upper
180	100	
182	93.1	47.8 143.3
145	39.9	18.2 54.6

