

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120522\
 Data File : VN075566.D
 Acq On : 05 Dec 2022 18:07
 Operator : JC\MD
 Sample : N5833-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-1

Quant Time: Dec 06 03:26:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

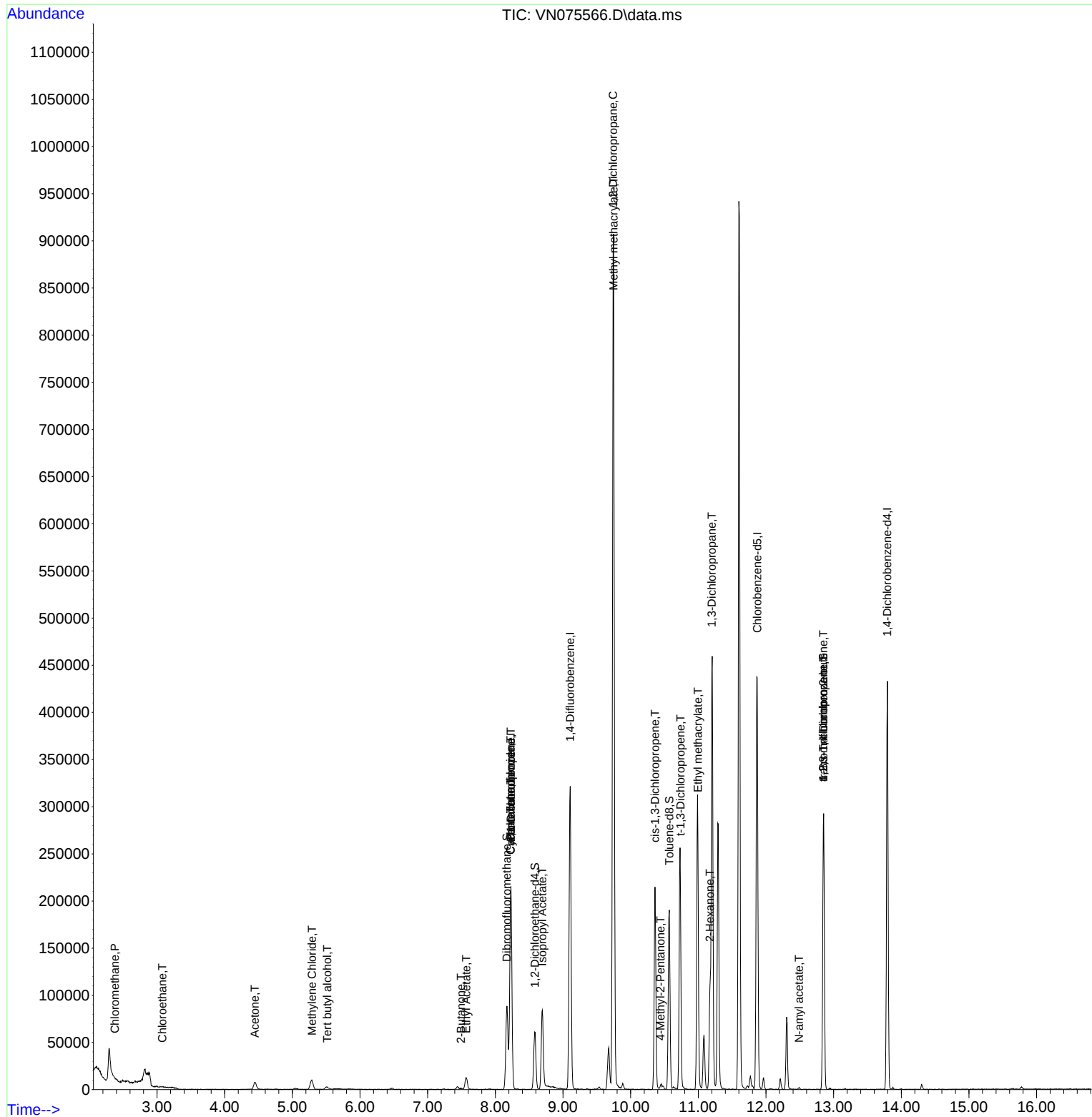
Internal Standards						
1) Pentafluorobenzene	8.230	168	166110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	298068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	275623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	51131	57.344	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.680%	
35) Dibromofluoromethane	8.171	113	63400	54.146	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.300%	
50) Toluene-d8	10.571	98	134666	51.064	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.847	95	100212	51.482	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	319	0.202	ug/l #	42
6) Chloroethane	3.077	64	916	0.607	ug/l #	45
11) Tert butyl alcohol	5.518	59	2395	6.398	ug/l #	72
16) Acetone	4.447	43	14845	17.849	ug/l	92
18) Methyl Acetate	5.036	43	1264	Below Cal		95
20) Methylene Chloride	5.289	84	8570	3.902	ug/l #	78
25) 2-Butanone	7.494	43	1242	1.070	ug/l	99
31) Cyclohexane	8.224	56	3078	1.087	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11738	4.597	ug/l #	50
37) Ethyl Acetate	7.571	43	19477	8.471	ug/l	99
38) Carbon Tetrachloride	8.224	117	16511	5.886	ug/l #	15
43) Isopropyl Acetate	8.694	43	95053	25.756	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1221	0.655	ug/l #	42
48) Methyl methacrylate	9.747	41	80736	47.311	ug/l #	33
51) 4-Methyl-2-Pentanone	10.441	43	3528	1.501	ug/l	88
53) t-1,3-Dichloropropene	10.735	75	646	0.236	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	41885	14.076	ug/l #	65
56) Ethyl methacrylate	10.994	69	948	0.342	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5419	1.620	ug/l #	42
59) 2-Hexanone	11.171	43	80840	45.800	ug/l #	21
74) N-amyl acetate	12.488	43	863	0.316	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	50638	22.059	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	50638	65.266	ug/l #	10

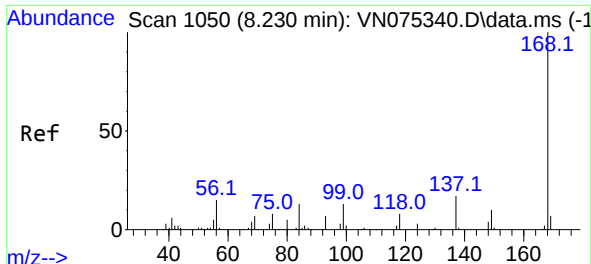
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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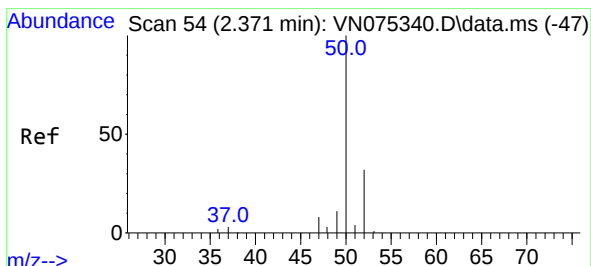
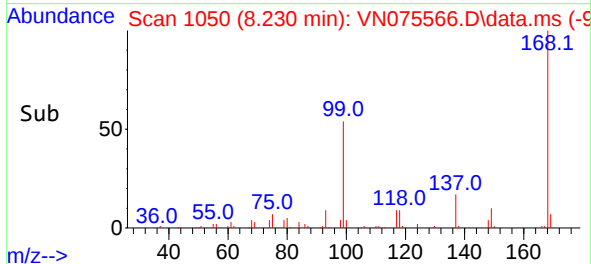
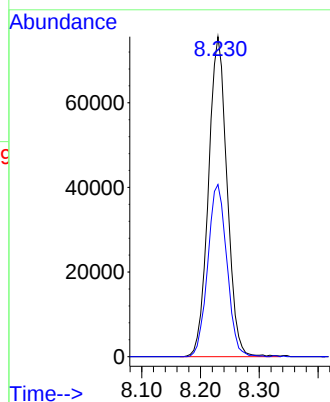
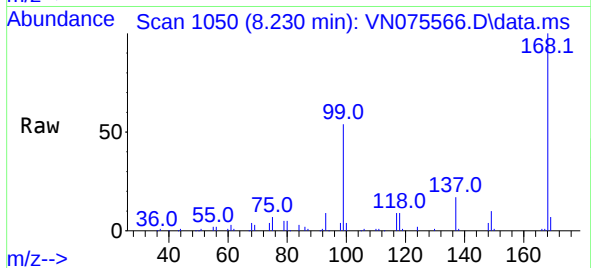




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

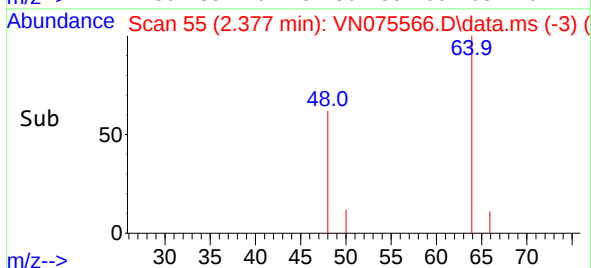
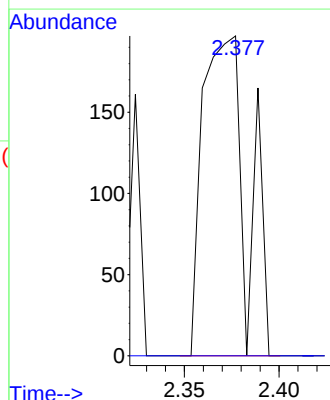
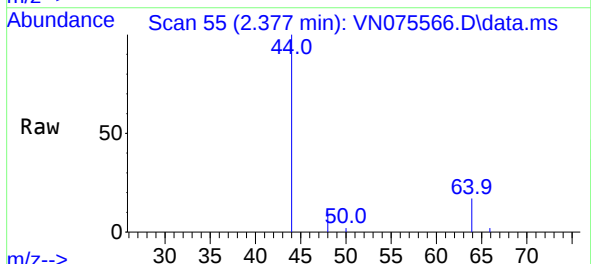
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

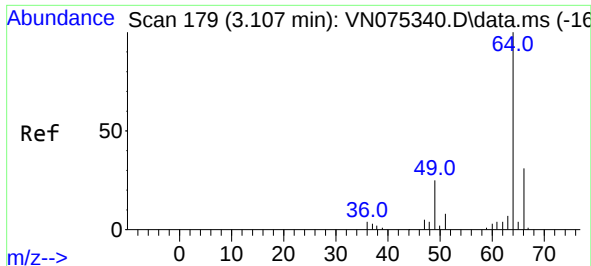
Tgt Ion:168 Resp: 166110
Ion Ratio Lower Upper
168 100
99 53.8 51.6 77.4



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Tgt Ion: 50 Resp: 319
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

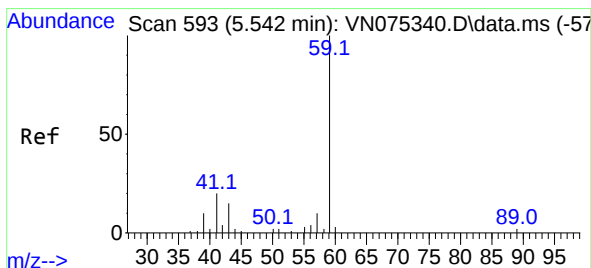
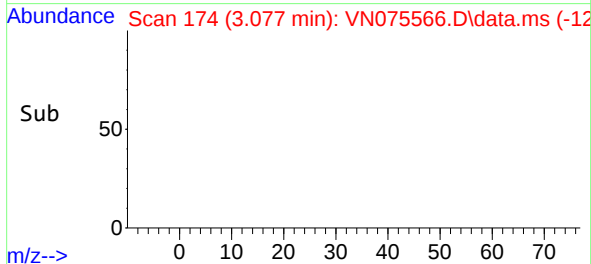
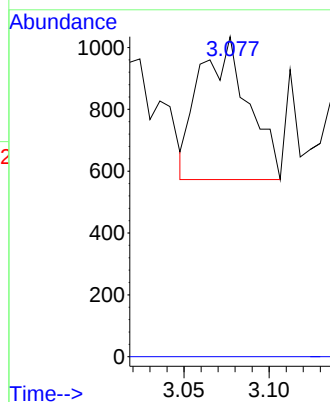
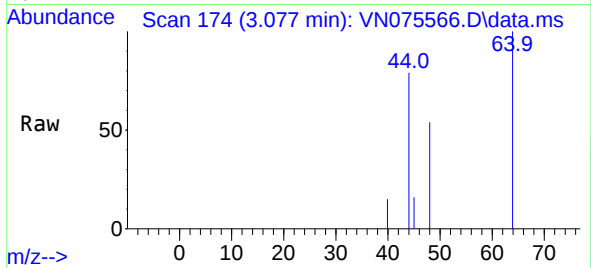




#6
Chloroethane
Concen: 0.607 ug/l
RT: 3.077 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

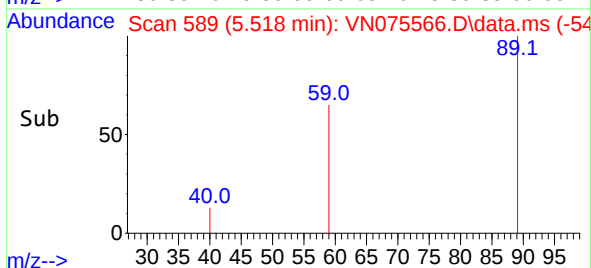
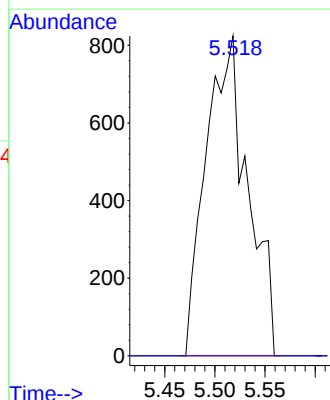
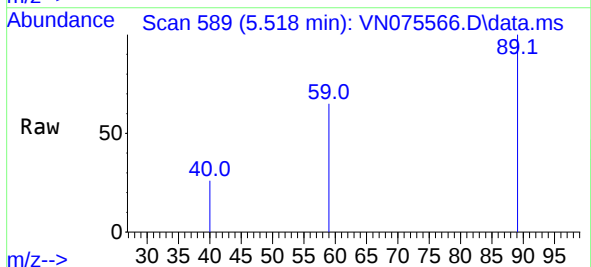
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

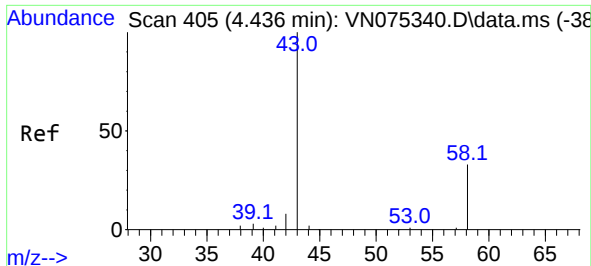
Tgt Ion: 64 Resp: 916
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 6.398 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Tgt Ion: 59 Resp: 2395
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

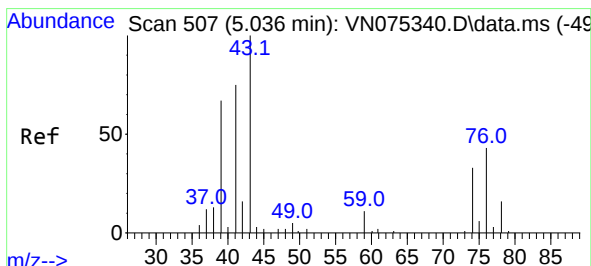
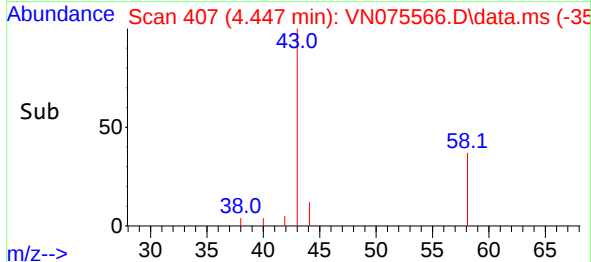
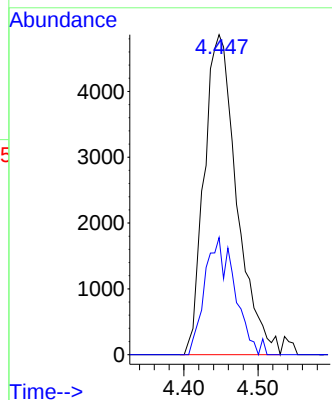
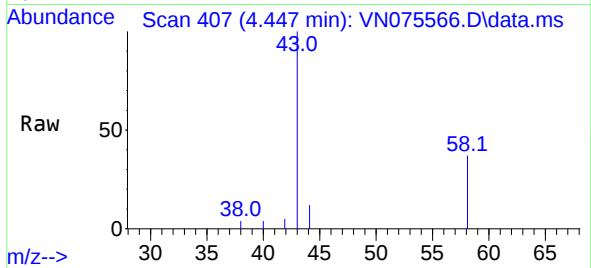




#16
Acetone
Concen: 17.849 ug/l
RT: 4.447 min Scan# 405
Delta R.T. 0.011 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

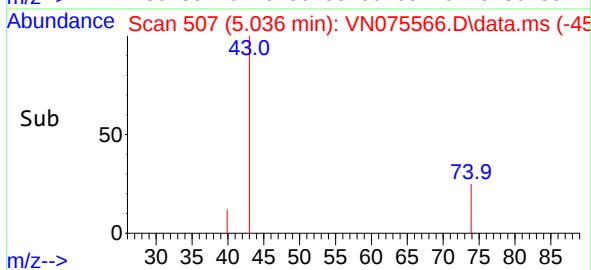
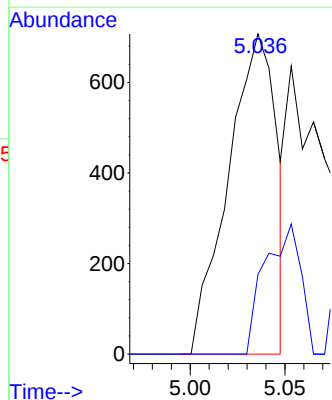
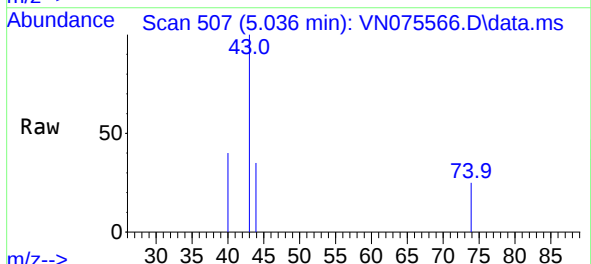
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

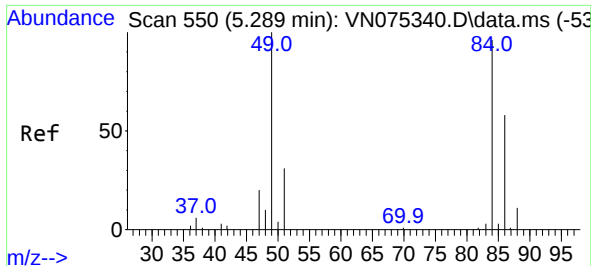
Tgt Ion: 43 Resp: 14845
Ion Ratio Lower Upper
43 100
58 36.6 25.5 38.3



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

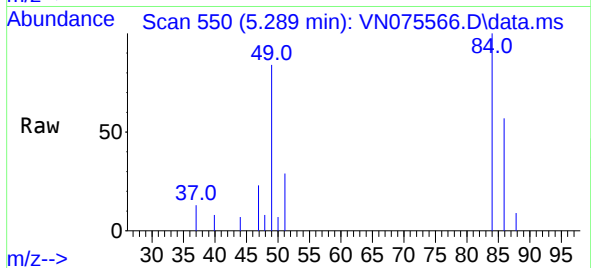
Tgt Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
74 30.0 22.0 33.0



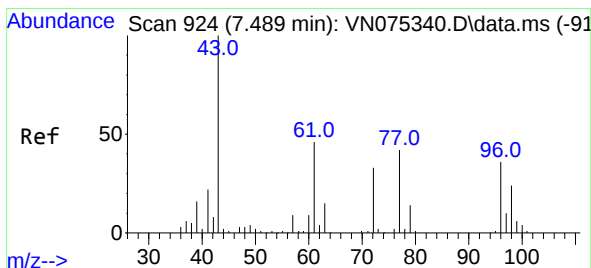
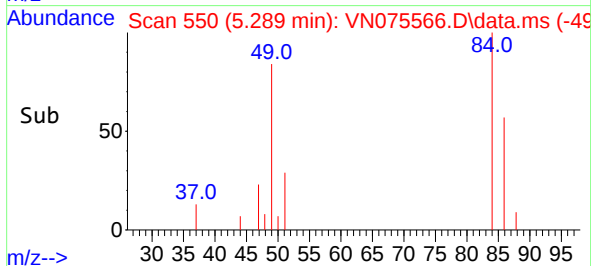
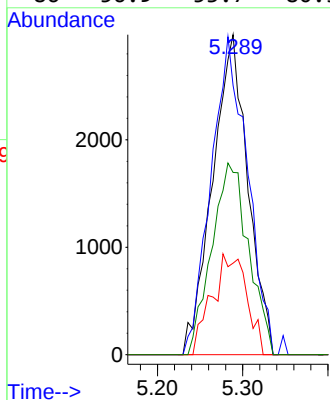


#20
Methylene Chloride
Concen: 3.902 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

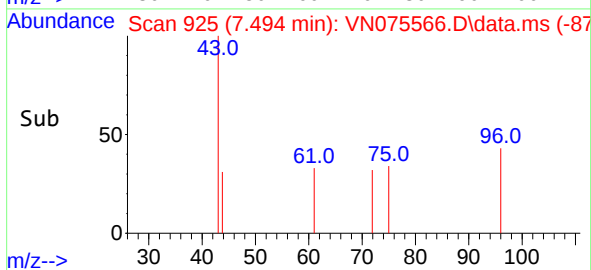
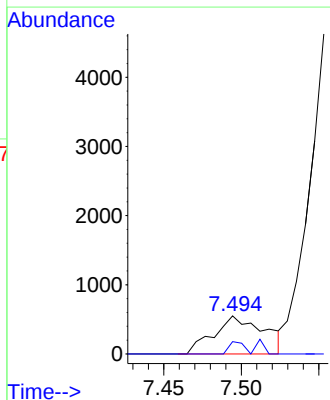
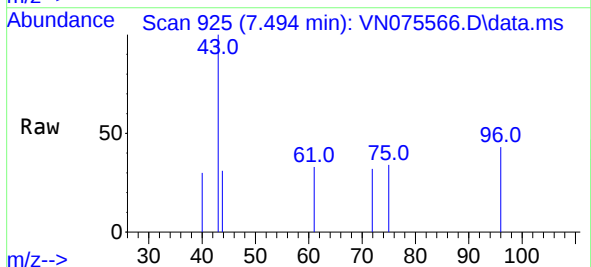


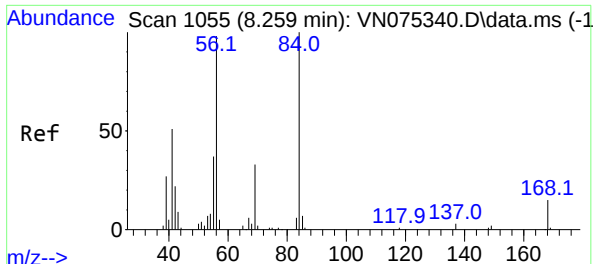
Tgt Ion: 84 Resp: 8570
Ion Ratio Lower Upper
84 100
49 84.2 94.9 142.3#
51 28.6 26.8 40.2
86 56.9 53.7 80.5



#25
2-Butanone
Concen: 1.070 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.005 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

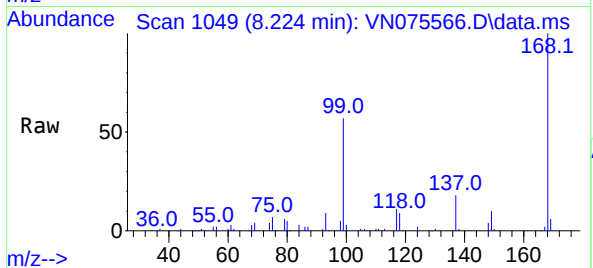
Tgt Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
72 32.3 25.5 38.3



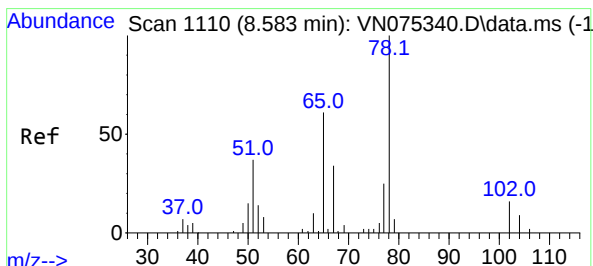
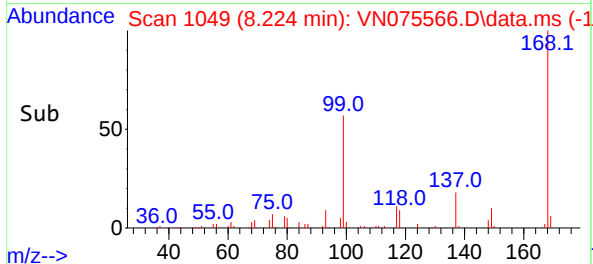
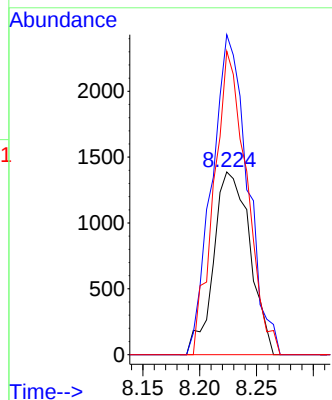


#31
Cyclohexane
Concen: 1.087 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

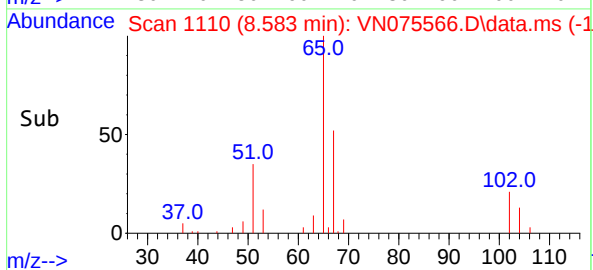
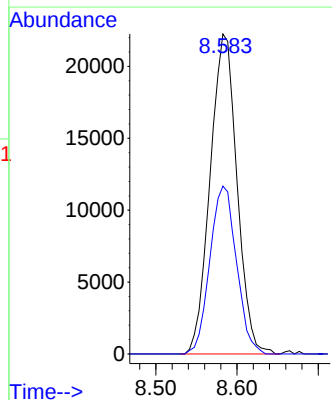
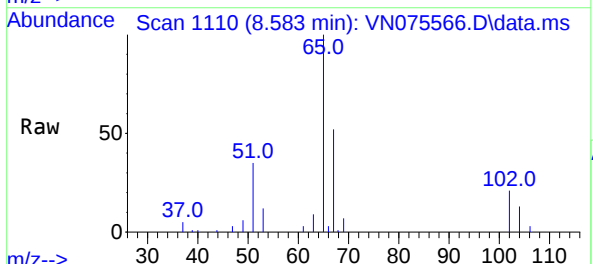


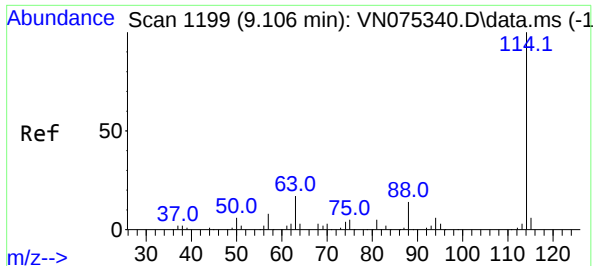
Tgt Ion: 56 Resp: 3078
Ion Ratio Lower Upper
56 100
69 175.1 25.2 37.8#
84 166.1 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 57.344 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Tgt Ion: 65 Resp: 51131
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.0

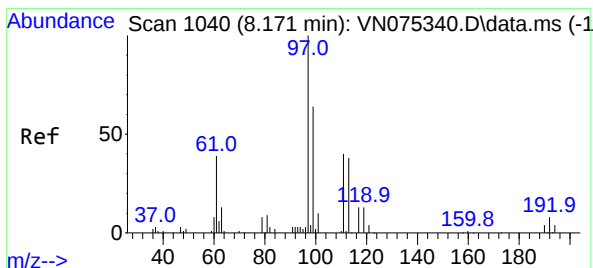
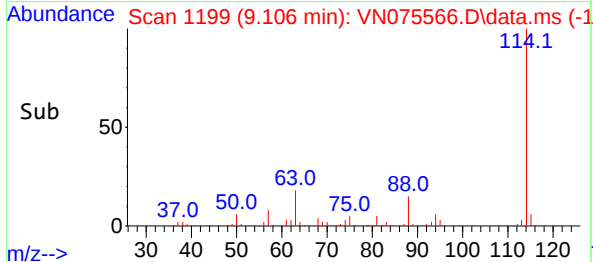
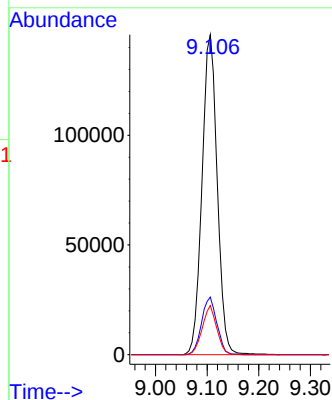
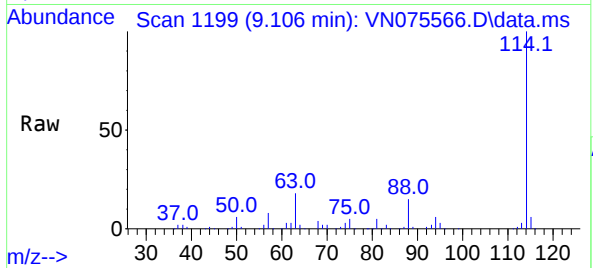




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

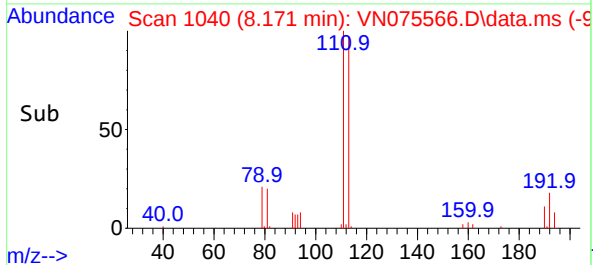
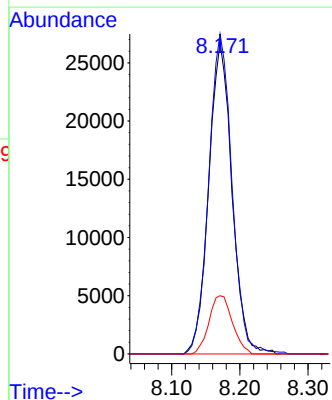
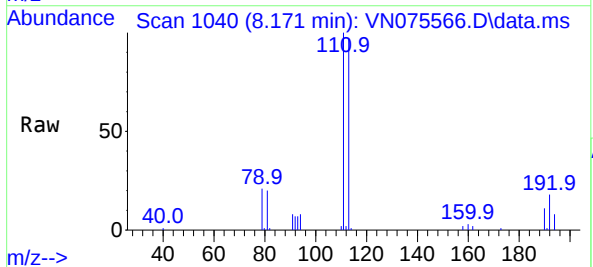
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

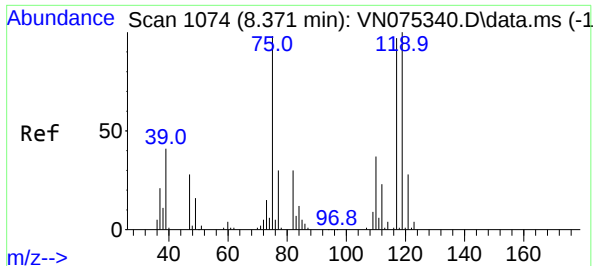
Tgt Ion:114 Resp: 298068
Ion Ratio Lower Upper
114 100
63 18.0 0.0 39.6
88 15.3 0.0 29.0



#35
Dibromofluoromethane
Concen: 54.146 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

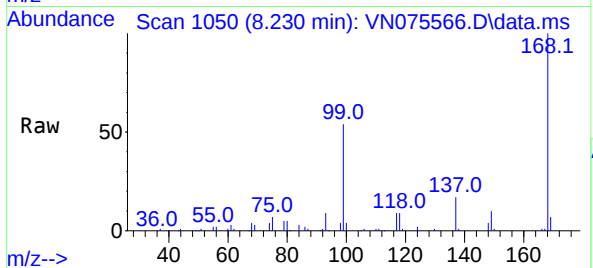
Tgt Ion:113 Resp: 63400
Ion Ratio Lower Upper
113 100
111 102.8 80.5 120.7
192 18.8 13.2 19.8



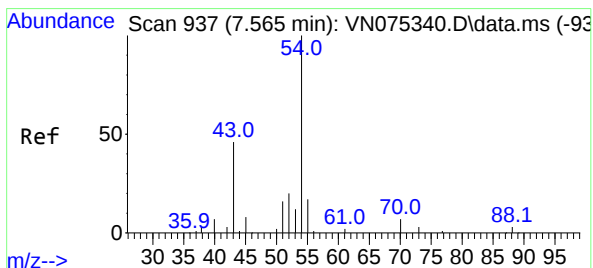
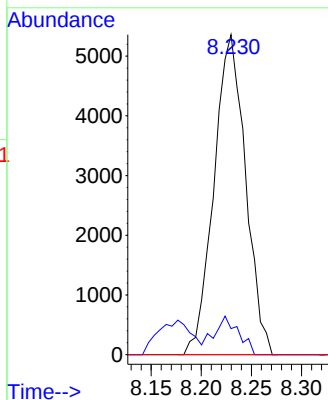
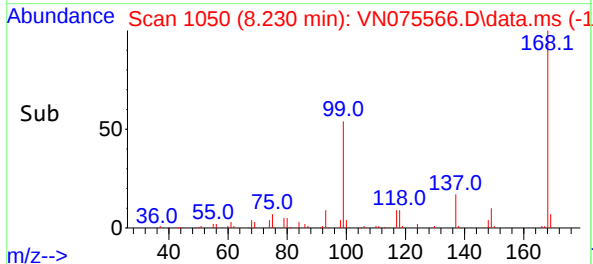


#36
1,1-Dichloropropene
Concen: 4.597 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

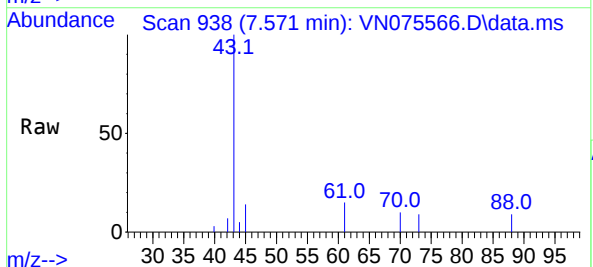
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1



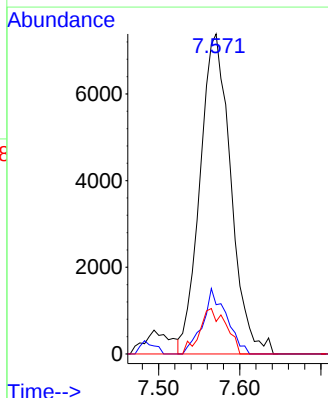
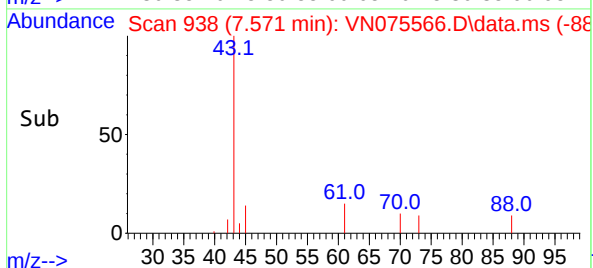
Tgt Ion: 75 Resp: 11738
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.3#
77 0.0 24.6 37.0#

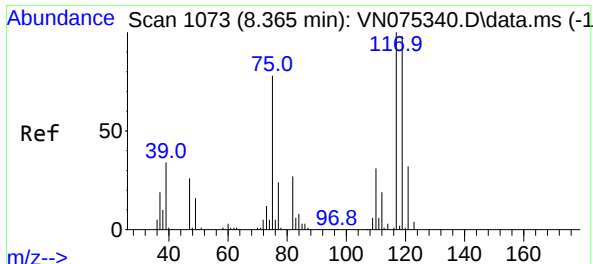


#37
Ethyl Acetate
Concen: 8.471 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07



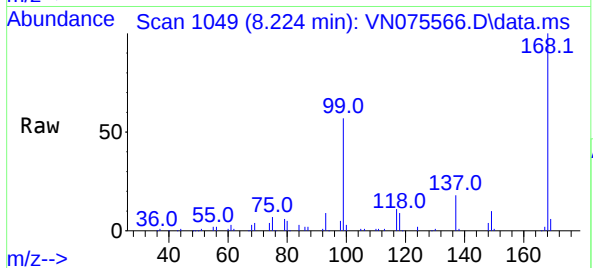
Tgt Ion: 43 Resp: 19477
Ion Ratio Lower Upper
43 100
61 15.8 12.2 18.4
70 12.1 9.4 14.2



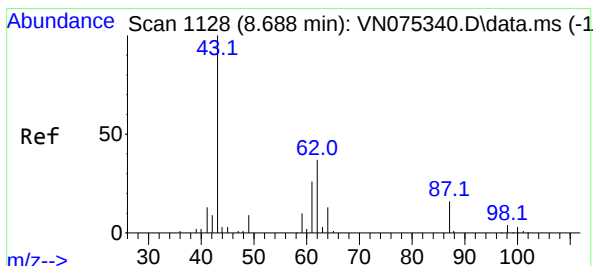
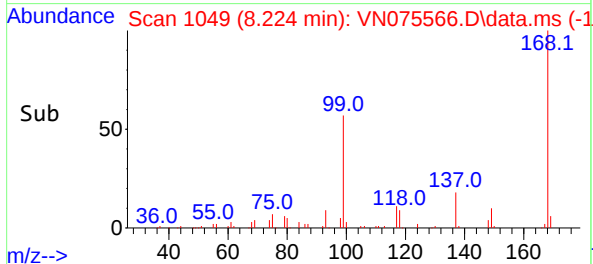
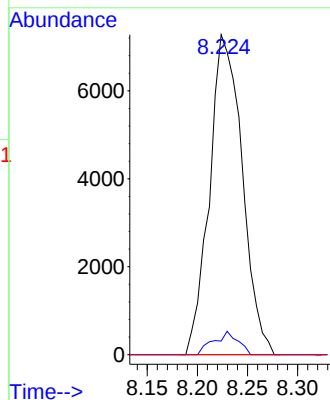


#38
Carbon Tetrachloride
Concen: 5.886 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.141 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

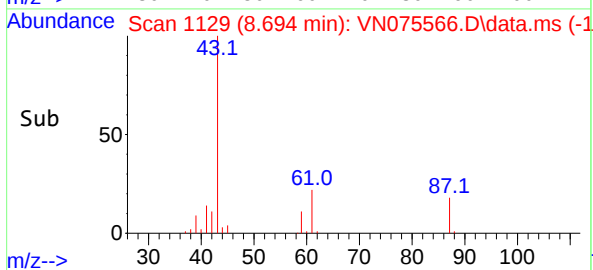
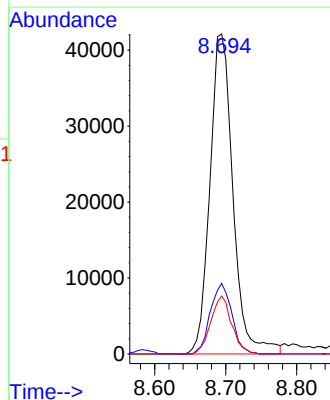
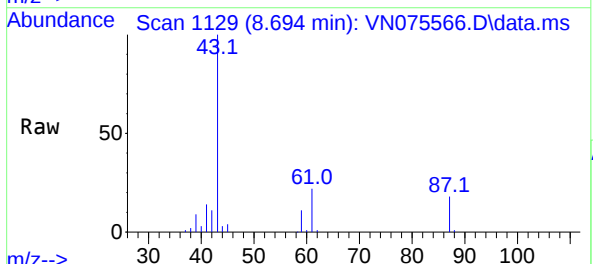


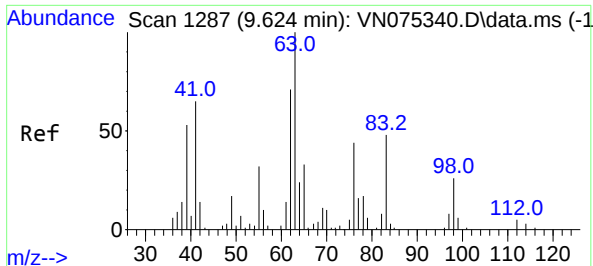
Tgt Ion:117 Resp: 16511
Ion Ratio Lower Upper
117 100
119 4.2 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 25.756 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Tgt Ion: 43 Resp: 95053
Ion Ratio Lower Upper
43 100
61 20.6 22.4 33.6#
87 16.3 12.5 18.7

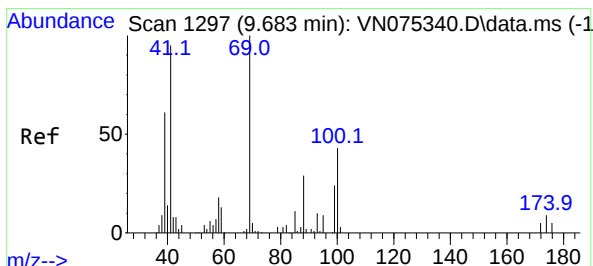
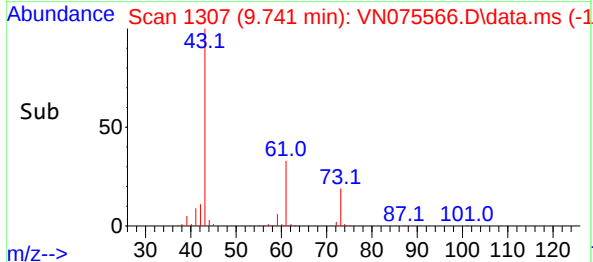
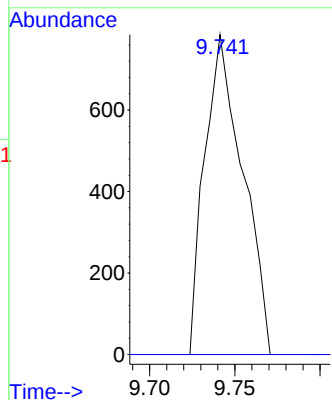
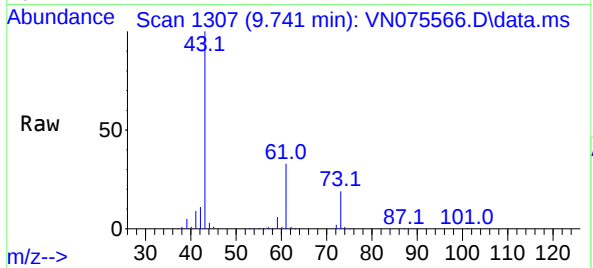




#45
1,2-Dichloropropane
Concen: 0.655 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

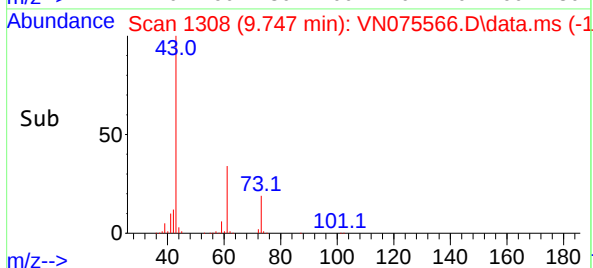
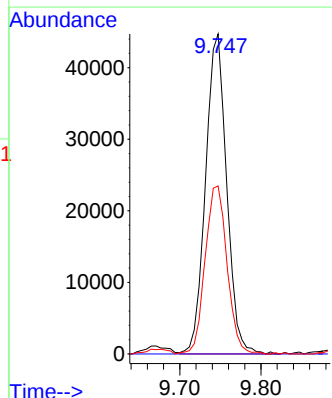
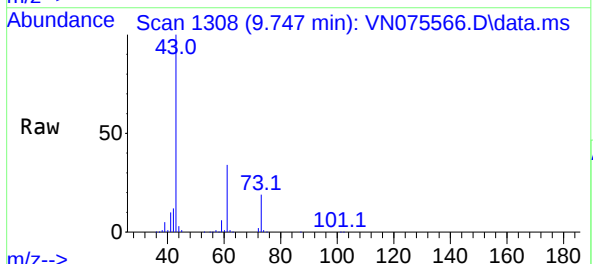
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

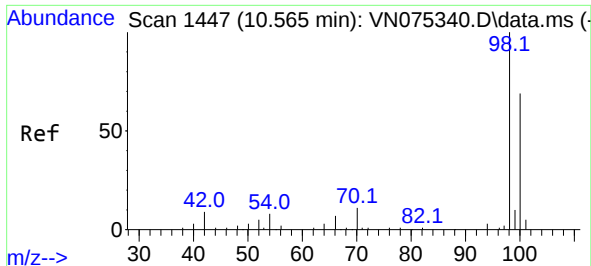
Tgt Ion: 63 Resp: 1221
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 47.311 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.064 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Tgt Ion: 41 Resp: 80736
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 54.6 56.2 84.2#

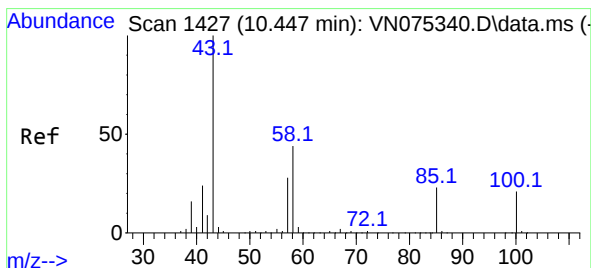
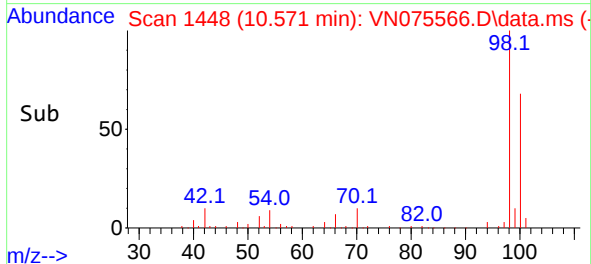
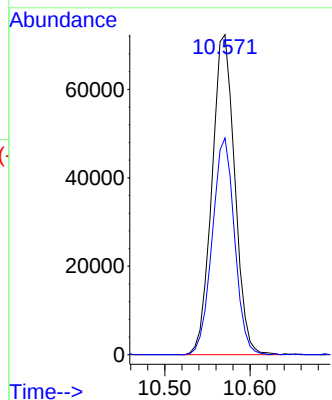
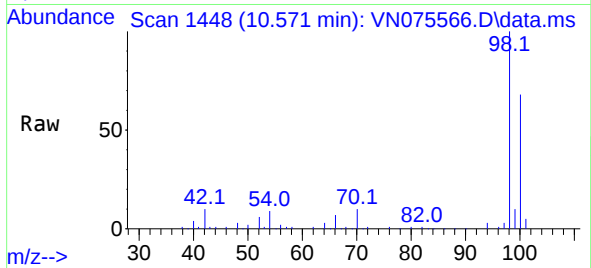




#50
Toluene-d8
Concen: 51.064 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

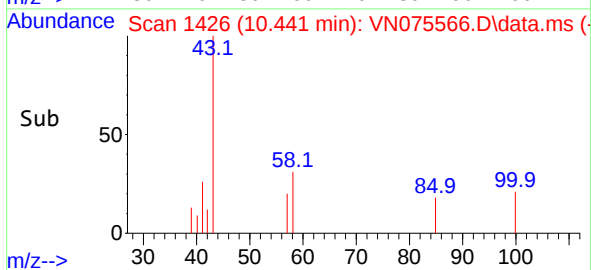
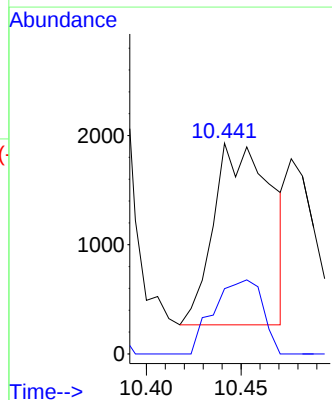
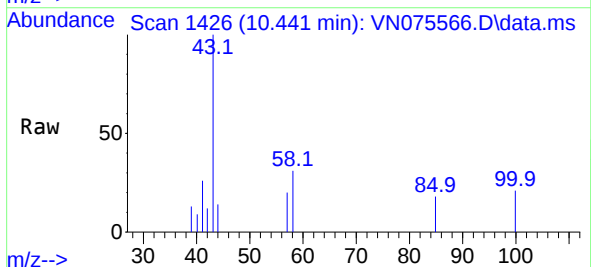
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

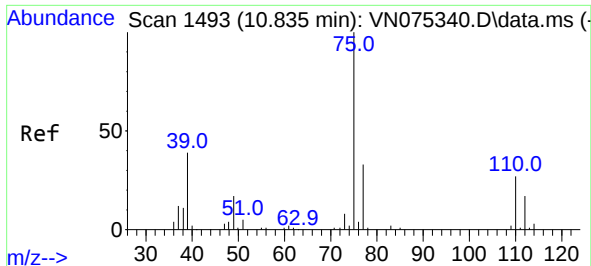
Tgt Ion: 98 Resp: 134666
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.501 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Tgt Ion: 43 Resp: 3528
Ion Ratio Lower Upper
43 100
58 34.4 33.6 50.4

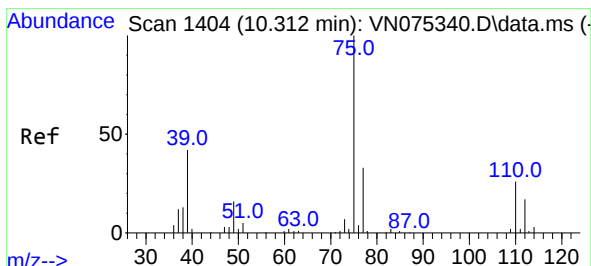
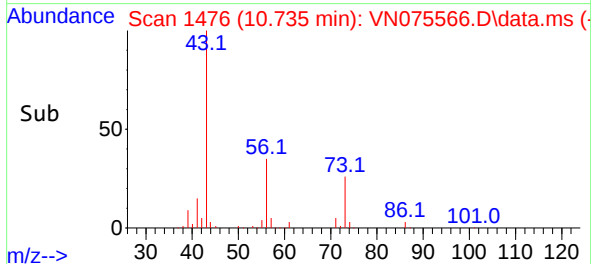
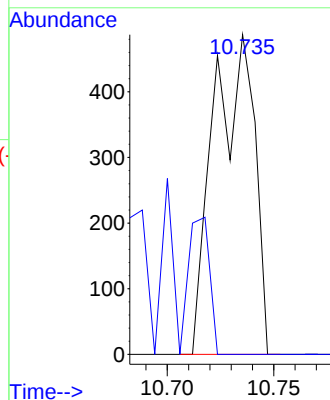
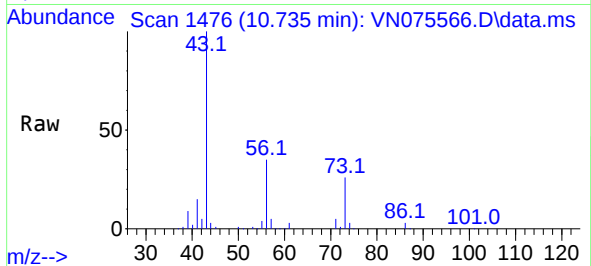




#53
 t-1,3-Dichloropropene
 Concen: 0.236 ug/l
 RT: 10.735 min Scan# 1412
 Delta R.T. -0.100 min
 Lab File: VN075566.D
 Acq: 05 Dec 2022 18:07

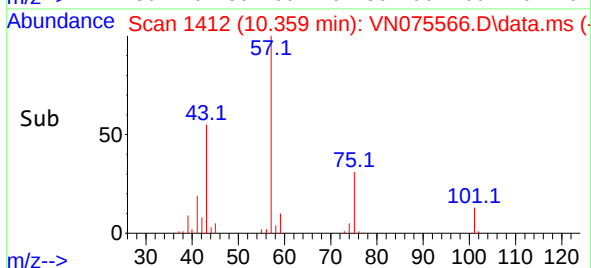
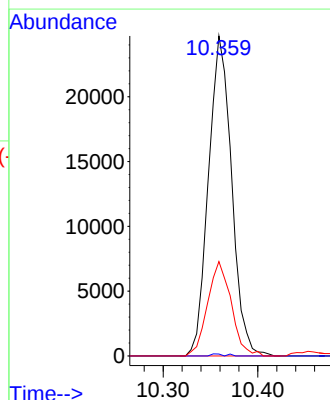
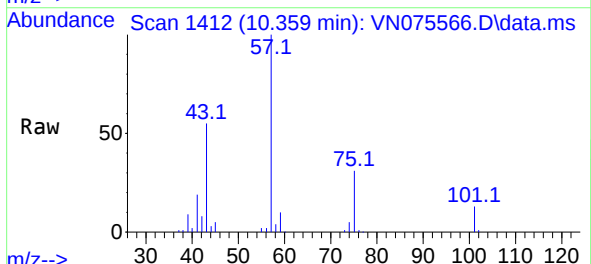
Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-1

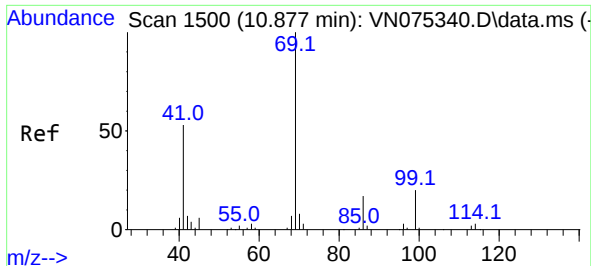
Tgt Ion: 75 Resp: 646
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 14.076 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075566.D
 Acq: 05 Dec 2022 18:07

Tgt Ion: 75 Resp: 41885
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.7 35.5#
 39 29.5 35.8 53.6#

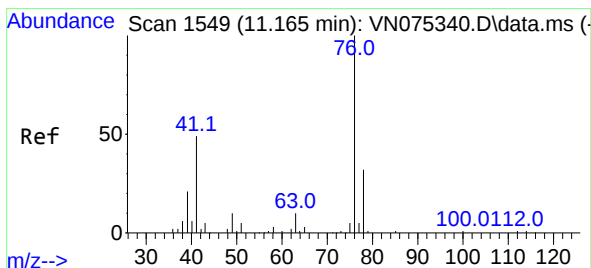
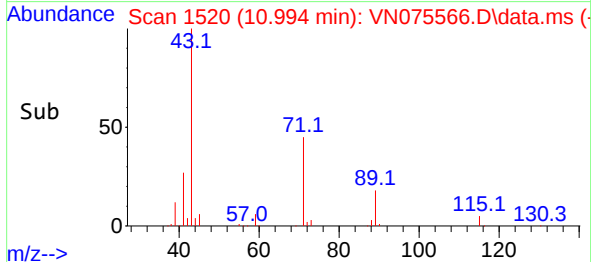
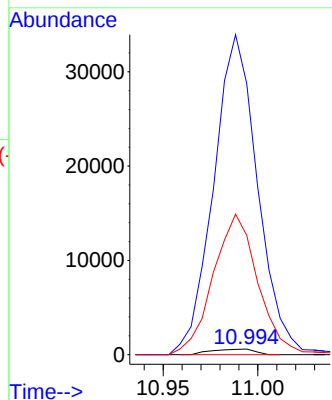
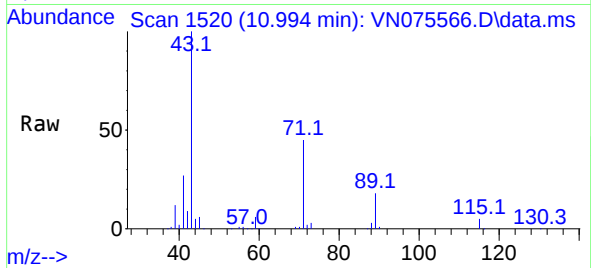




#56
Ethyl methacrylate
Concen: 0.342 ug/l
RT: 10.994 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

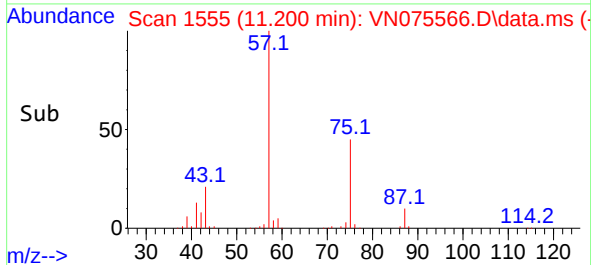
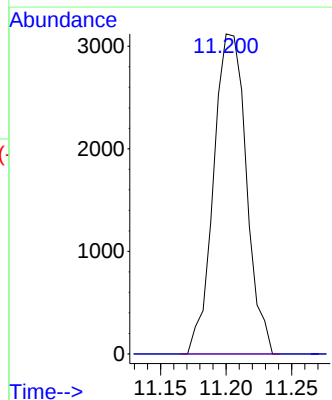
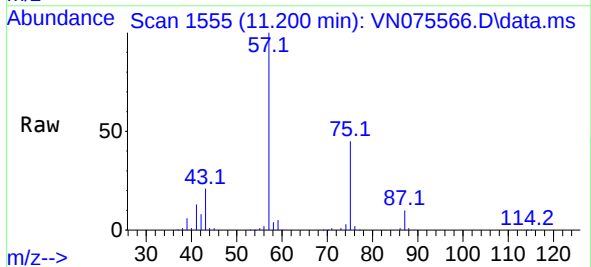
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

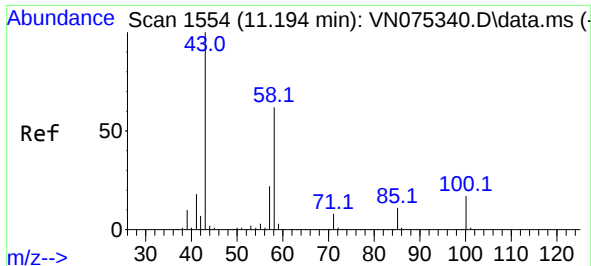
Tgt Ion: 69 Resp: 948
Ion Ratio Lower Upper
69 100
41 5829.4 45.6 68.4#
39 2601.1 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.620 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Tgt Ion: 76 Resp: 5419
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

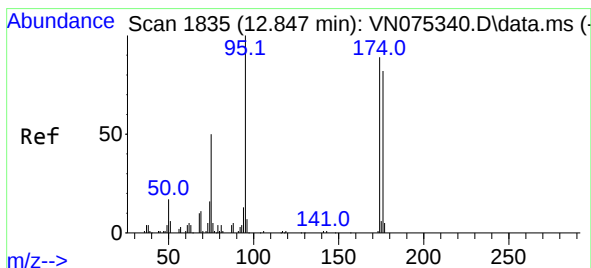
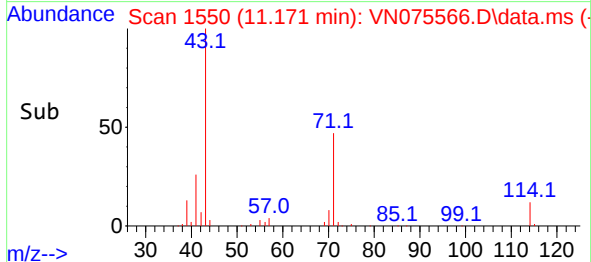
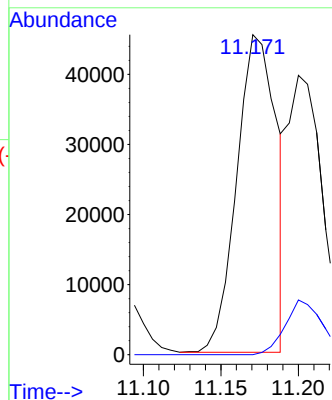
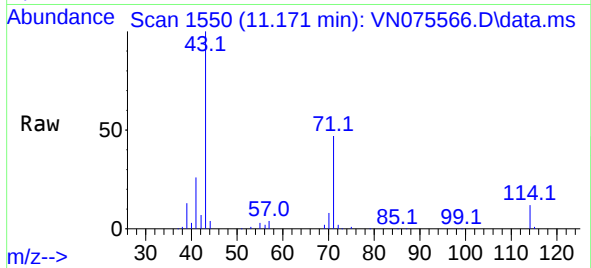




#59
2-Hexanone
Concen: 45.800 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

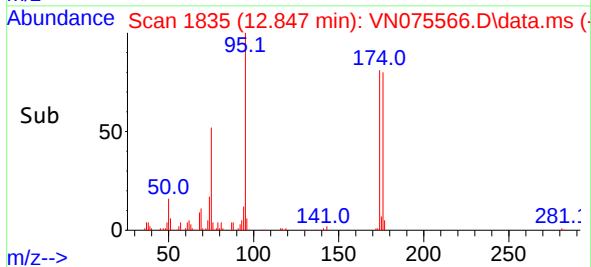
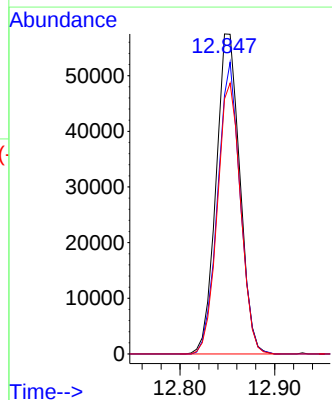
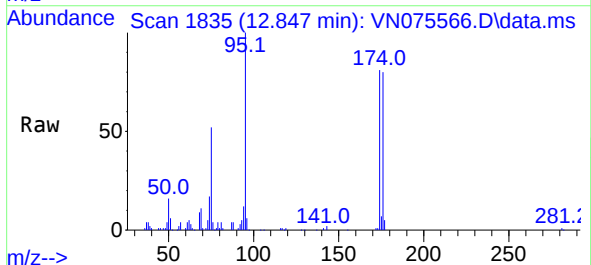
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

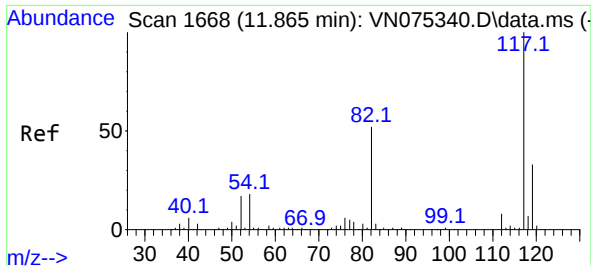
Tgt Ion: 43 Resp: 80840
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 51.482 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Tgt Ion: 95 Resp: 100212
Ion Ratio Lower Upper
95 100
174 86.0 0.0 147.4
176 82.8 0.0 142.2

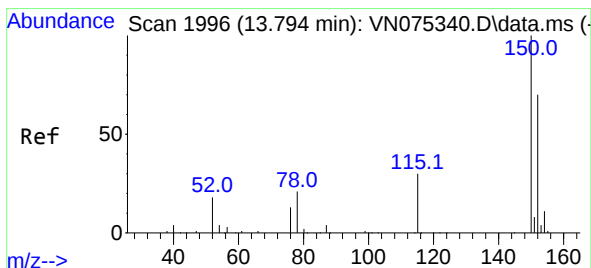
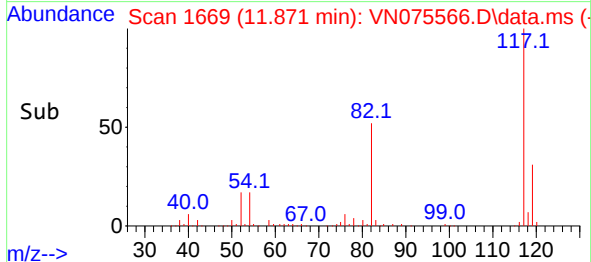
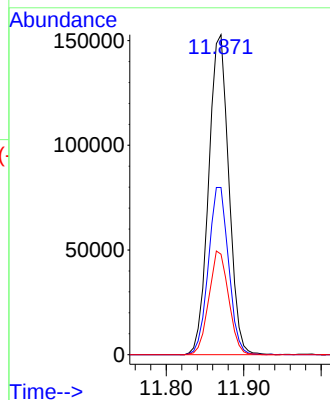
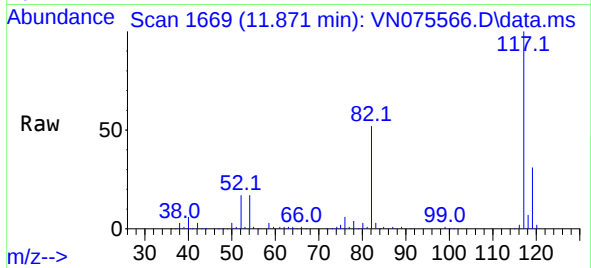




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

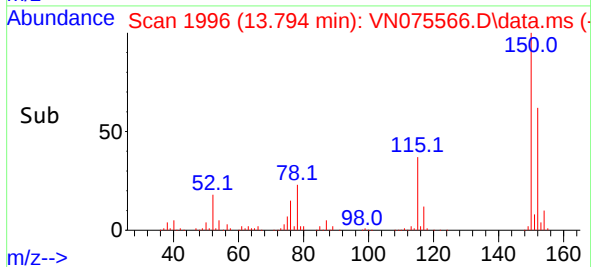
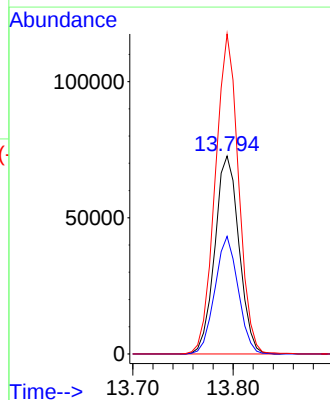
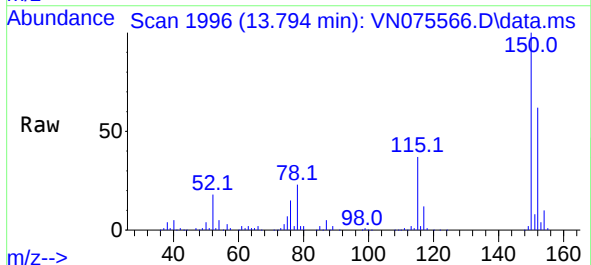
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

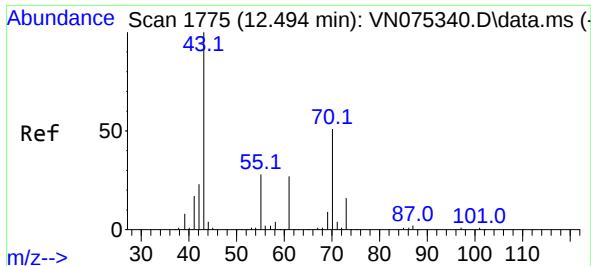
Tgt Ion:117 Resp: 275623
Ion Ratio Lower Upper
117 100
82 52.2 43.1 64.7
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Tgt Ion:152 Resp: 121414
Ion Ratio Lower Upper
152 100
115 57.3 30.2 90.6
150 156.0 0.0 348.4

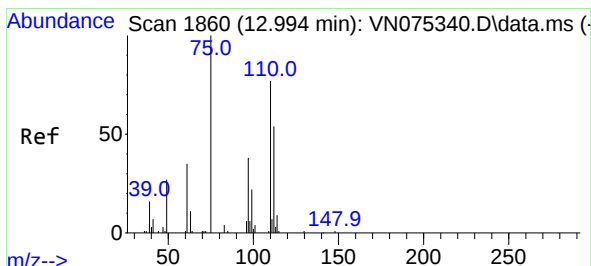
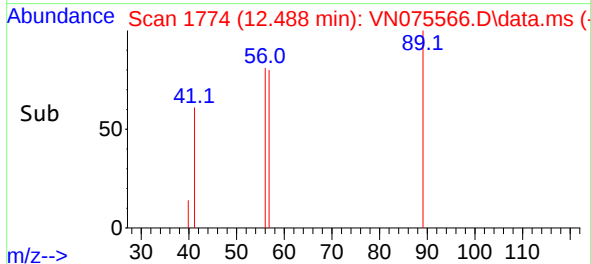
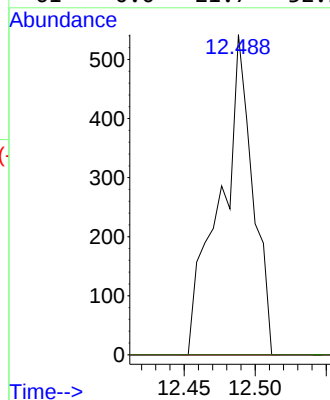
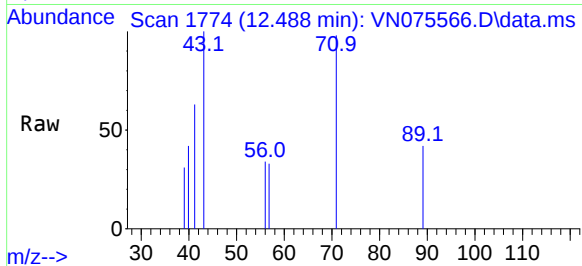




#74
N-amy1 acetate
Concen: 0.316 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

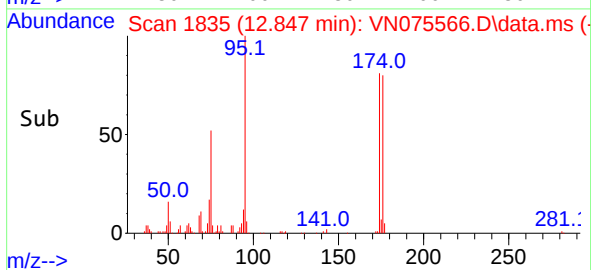
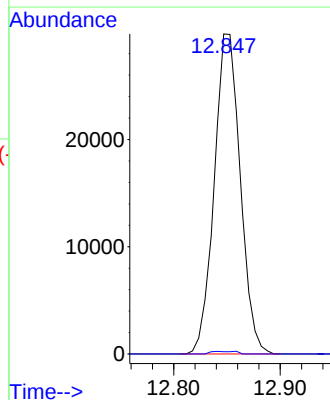
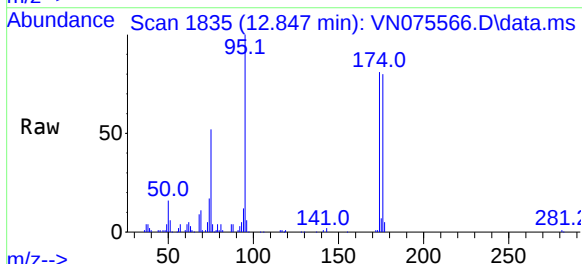
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-1

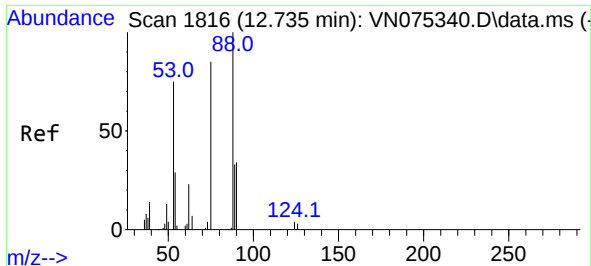
Tgt Ion: 43	Resp: 863
Ion Ratio	Lower Upper
43 100	
70 0.0	39.8 59.8#
55 0.0	19.9 29.9#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 22.059 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075566.D
Acq: 05 Dec 2022 18:07

Tgt Ion: 75	Resp: 50638
Ion Ratio	Lower Upper
75 100	
77 0.8	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.266 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075566.D
 Acq: 05 Dec 2022 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-1

Tgt Ion: 75 Resp: 50638
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

