

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
 Data File : VN080167.D
 Acq On : 17 Nov 2023 16:53
 Operator : JC\MD
 Sample : 05449-32
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 02:33:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

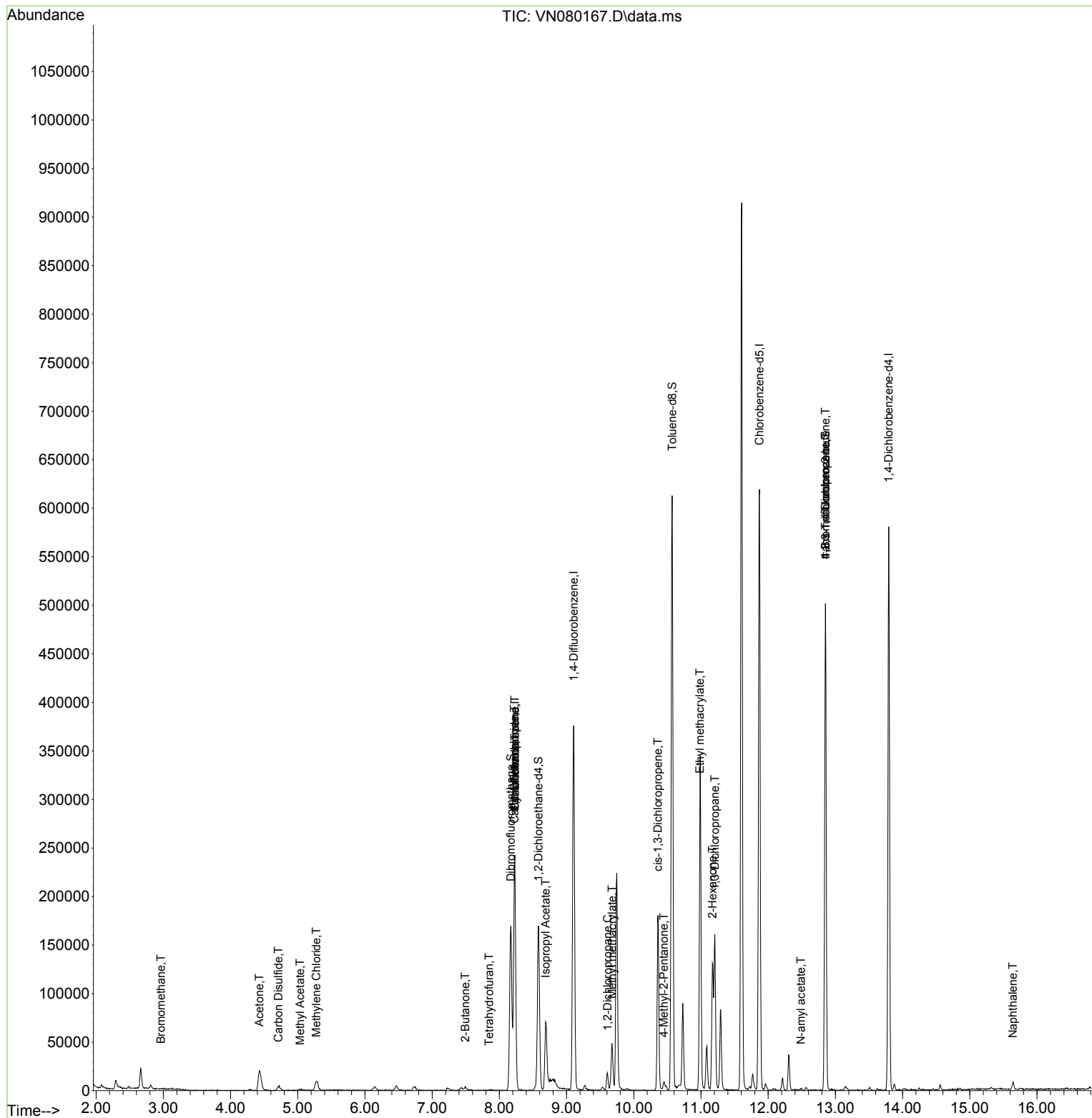
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	163151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	310602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	350184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	152047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	150573	55.894	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.780%	
35) Dibromofluoromethane	8.171	113	117063	51.078	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.160%	
50) Toluene-d8	10.571	98	421711	51.045	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	12.853	95	168577	54.022	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.040%	
Target Compounds						Qvalue
5) Bromomethane	2.965	94	276	0.210	ug/l	# 4
6) Chloroethane	3.142	64	286	Below Cal		# 43
16) Acetone	4.430	43	41526	45.895	ug/l	# 89
17) Carbon Disulfide	4.712	76	4690	0.911	ug/l	# 83
18) Methyl Acetate	5.036	43	2219	0.763	ug/l	# 66
20) Methylene Chloride	5.277	84	7917	4.178	ug/l	# 94
25) 2-Butanone	7.494	43	5852	5.444	ug/l	# 98
29) Tetrahydrofuran	7.847	42	288	0.499	ug/l	# 20
31) Cyclohexane	8.230	56	3726	1.272	ug/l	# 34
36) 1,1-Dichloropropene	8.230	75	13734	4.139	ug/l	# 51
38) Carbon Tetrachloride	8.224	117	18756	4.454	ug/l	# 16
43) Isopropyl Acetate	8.688	43	79004	17.639	ug/l	# 84
45) 1,2-Dichloropropane	9.612	63	471	0.215	ug/l	# 1
48) Methyl methacrylate	9.677	41	3238	1.403	ug/l	# 34
51) 4-Methyl-2-Pentanone	10.447	43	9774	4.215	ug/l	# 64
54) cis-1,3-Dichloropropene	10.359	75	33591	8.769	ug/l	# 66
56) Ethyl methacrylate	10.982	69	1723	0.749	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	1689	0.429	ug/l	# 42
59) 2-Hexanone	11.171	43	116358	62.448	ug/l	# 19
74) N-amyl acetate	12.488	43	908	0.246	ug/l	# 36
76) 1,2,3-Trichloropropane	12.853	75	96614	25.934	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	96614	87.620	ug/l	# 15
95) Naphthalene	15.641	128	7156	0.826	ug/l	# 98

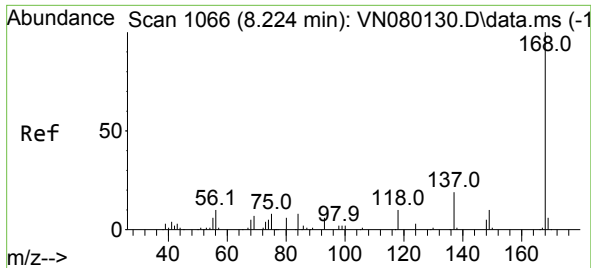
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

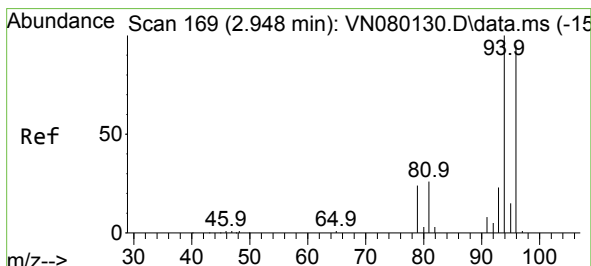
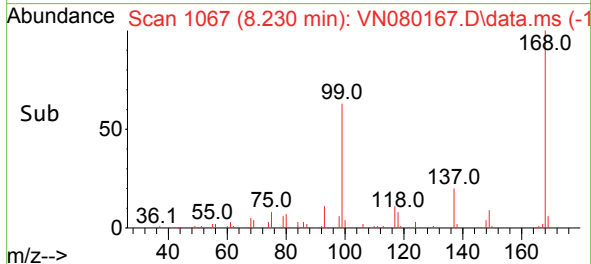
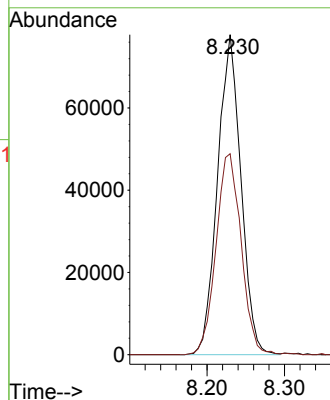
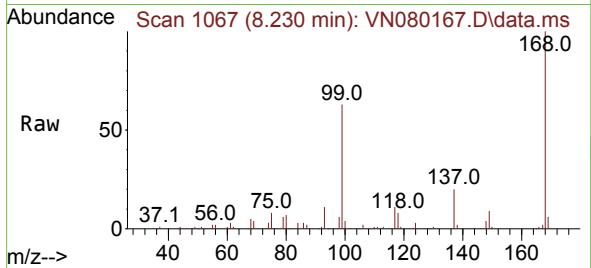




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

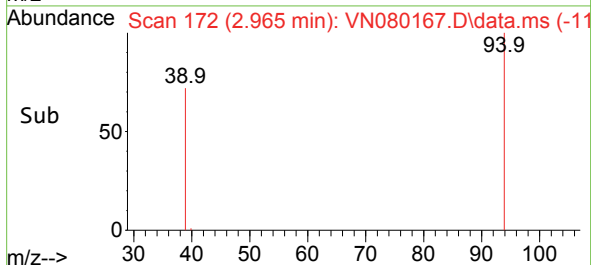
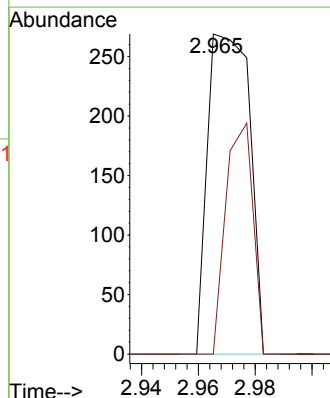
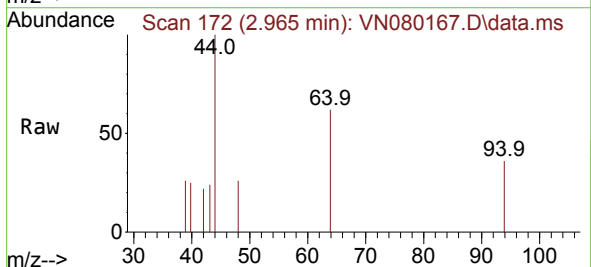
Instrument :
MSVOA_N
ClientSampleId :

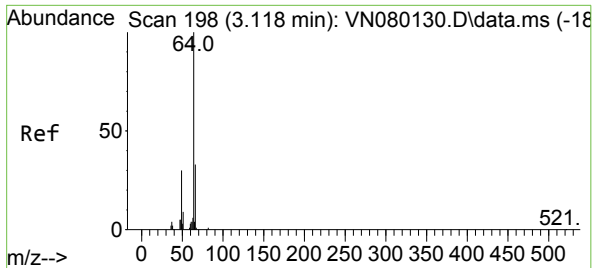
Tgt Ion:168 Resp: 163151
Ion Ratio Lower Upper
168 100
99 62.8 53.0 79.6



#5
Bromomethane
Concen: 0.210 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

Tgt Ion: 94 Resp: 276
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#

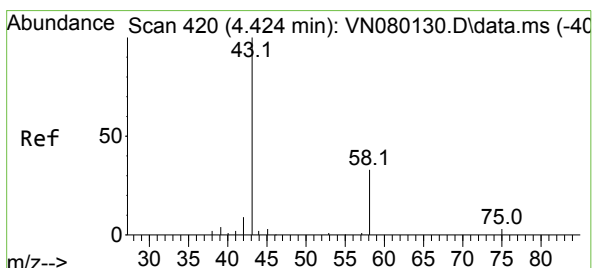
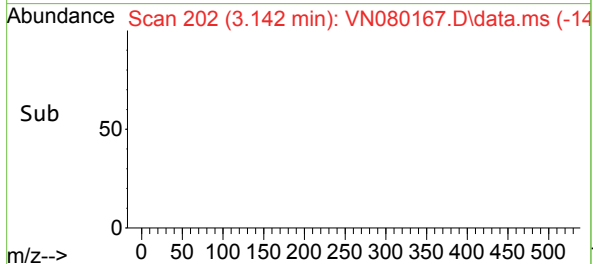
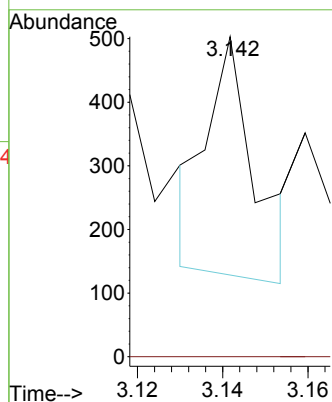
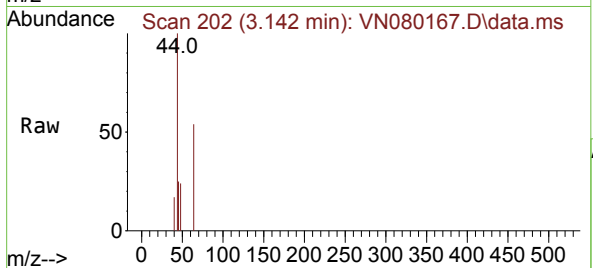




#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 20
Delta R.T. 0.024 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

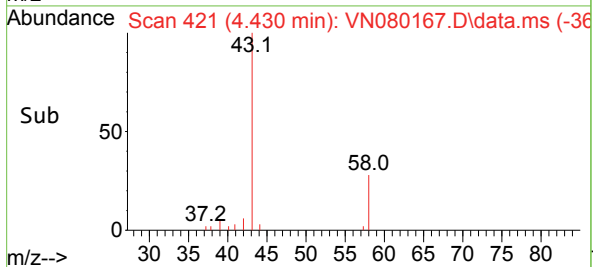
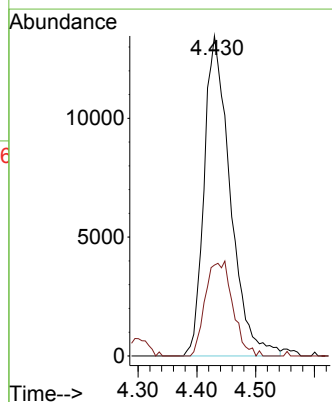
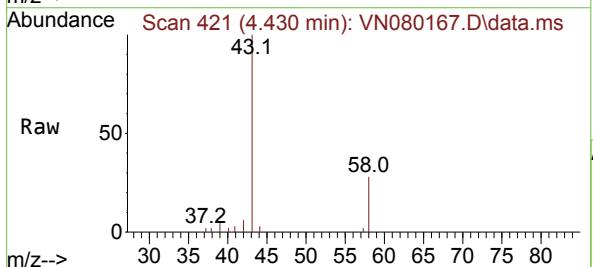
Instrument :
MSVOA_N
ClientSampleId :

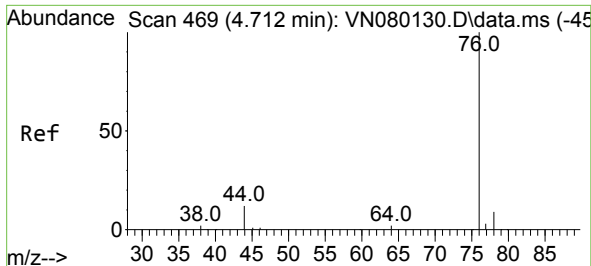
Tgt Ion: 64 Resp: 286
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 45.895 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

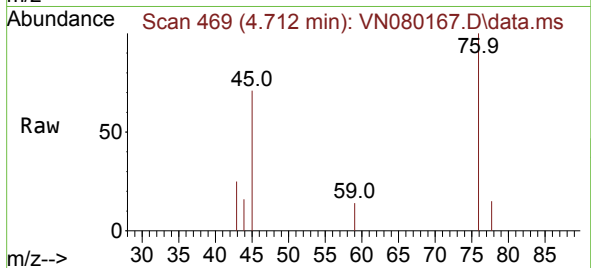
Tgt Ion: 43 Resp: 41526
Ion Ratio Lower Upper
43 100
58 28.4 28.0 42.0



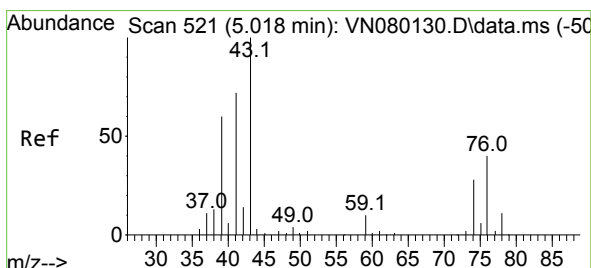
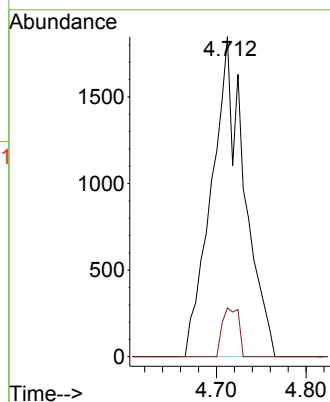
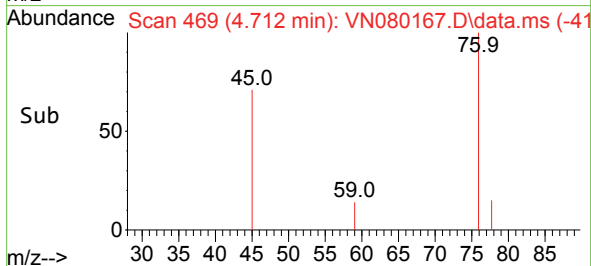


#17
Carbon Disulfide
Concen: 0.911 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :

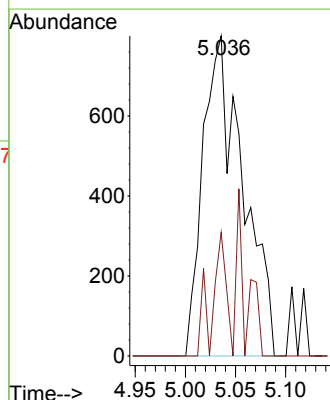
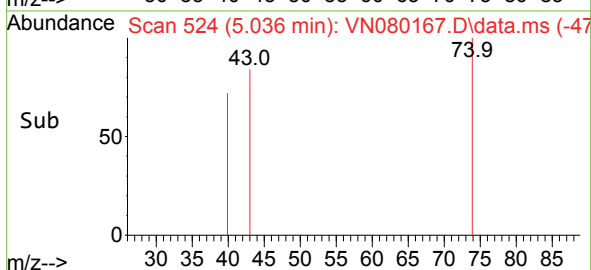
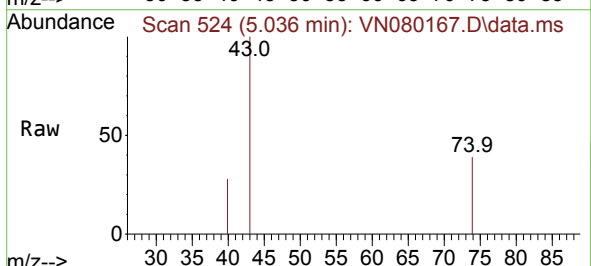


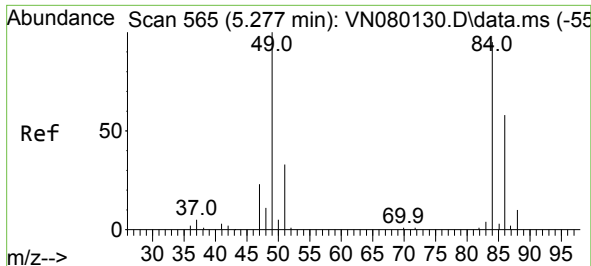
Tgt Ion: 76 Resp: 4690
Ion Ratio Lower Upper
76 100
78 15.3 7.4 11.0#



#18
Methyl Acetate
Concen: 0.763 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

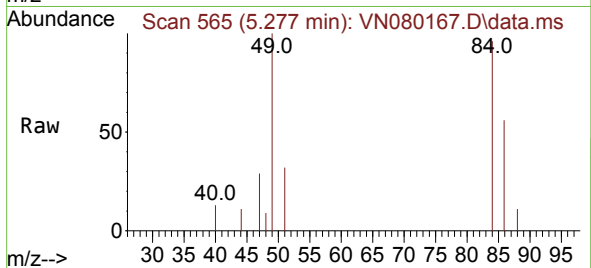
Tgt Ion: 43 Resp: 2219
Ion Ratio Lower Upper
43 100
74 13.8 26.2 39.4#



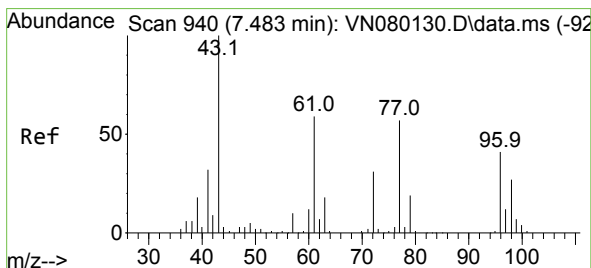
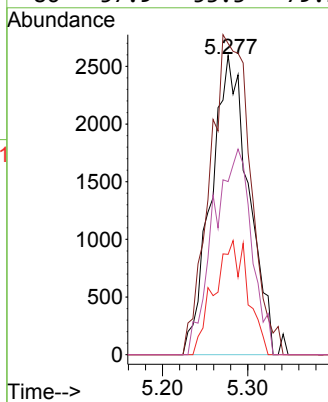
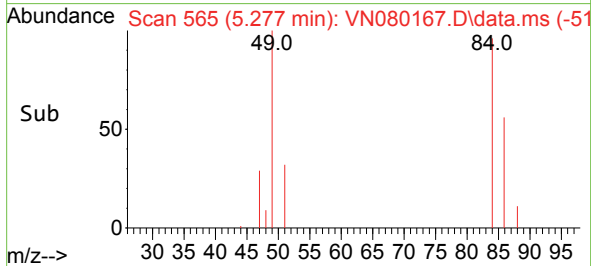


#20
Methylene Chloride
Concen: 4.178 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :

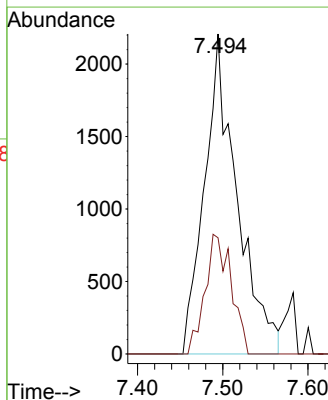
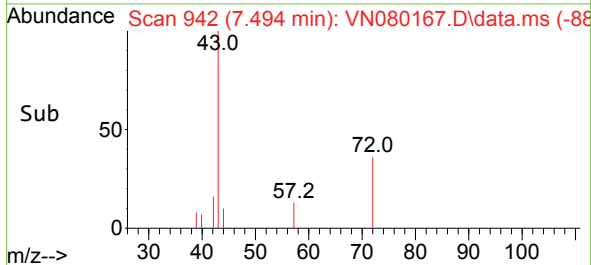
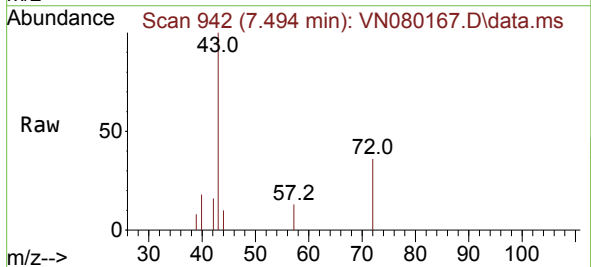


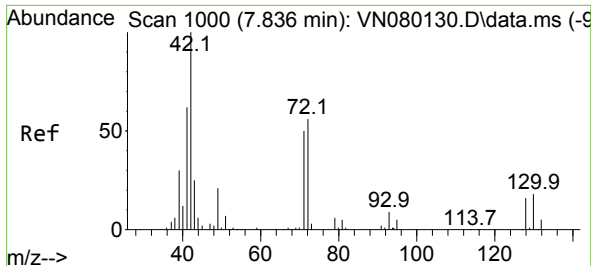
Tgt Ion:	84	Resp:	7917
Ion	Ratio	Lower	Upper
84	100		
49	104.0	79.7	119.5
51	33.5	25.2	37.8
86	57.9	53.3	79.9



#25
2-Butanone
Concen: 5.444 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

Tgt Ion:	43	Resp:	5852
Ion	Ratio	Lower	Upper
43	100		
72	36.3	30.2	45.2





#29

Tetrahydrofuran

Concen: 0.499 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

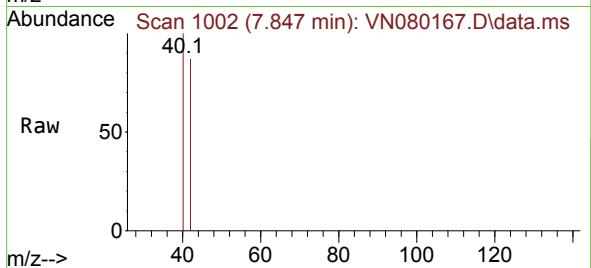
Lab File: VN080167.D

Acq: 17 Nov 2023 16:53

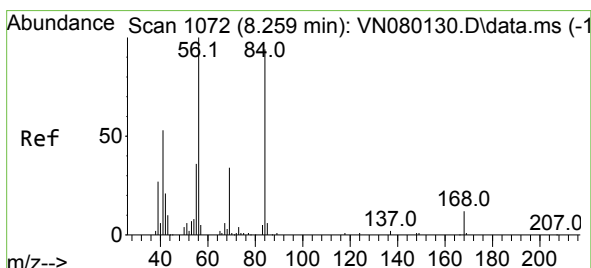
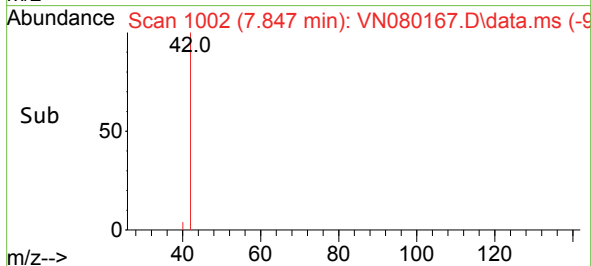
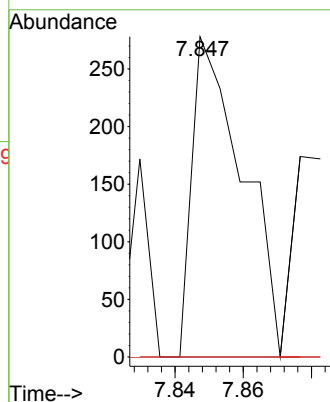
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	288
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.272 ug/l

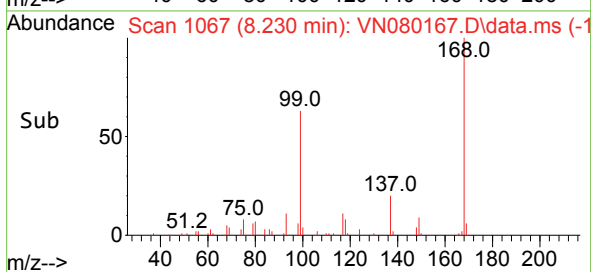
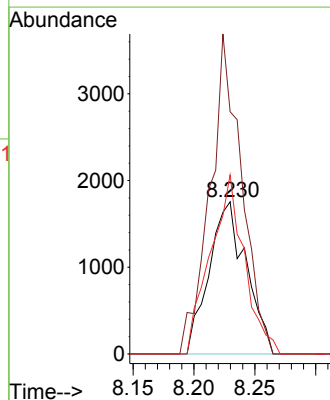
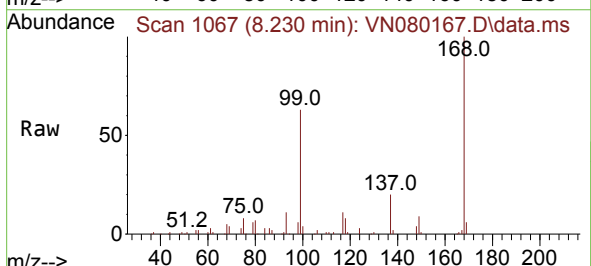
RT: 8.230 min Scan# 1067

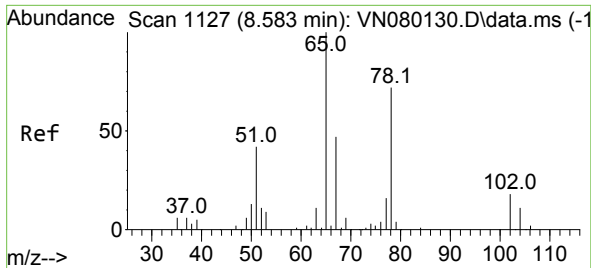
Delta R.T. -0.029 min

Lab File: VN080167.D

Acq: 17 Nov 2023 16:53

Tgt Ion:	56	Resp:	3726
Ion	Ratio	Lower	Upper
56	100		
69	159.3	26.8	40.2#
84	117.7	81.8	122.6

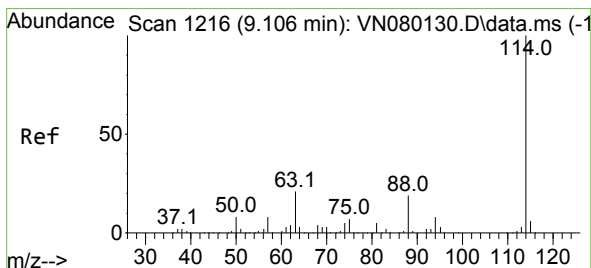
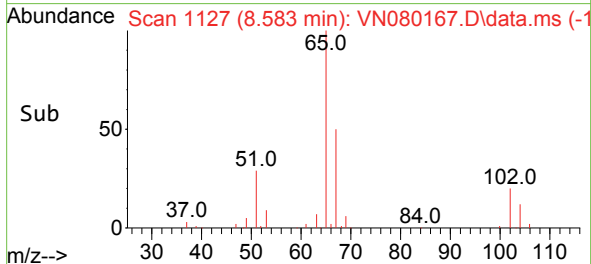
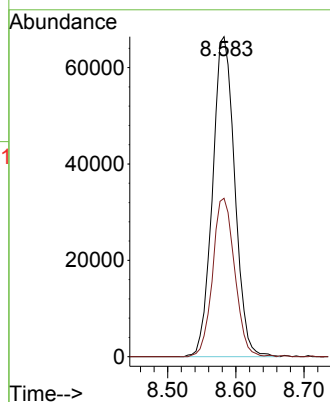
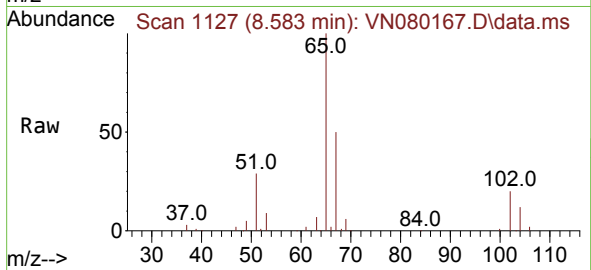




#33
 1,2-Dichloroethane-d4
 Concen: 55.894 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VN080167.D
 Acq: 17 Nov 2023 16:53

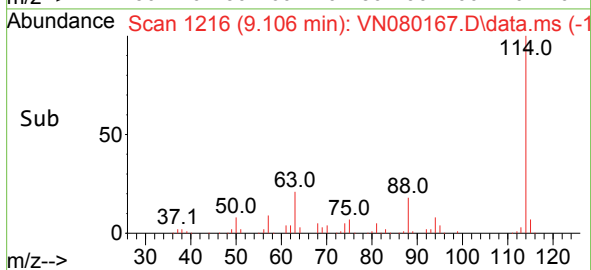
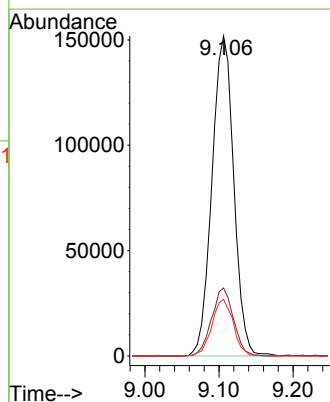
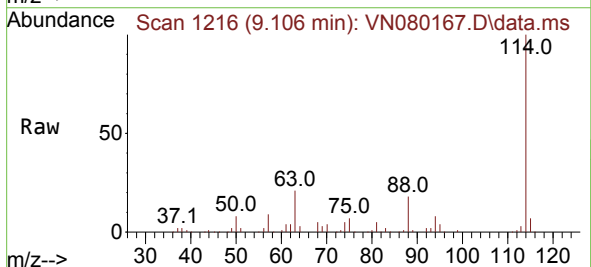
Instrument :
 MSVOA_N
 ClientSampleId :

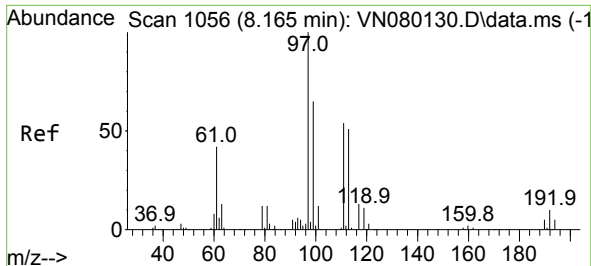
Tgt Ion: 65 Resp: 150573
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN080167.D
 Acq: 17 Nov 2023 16:53

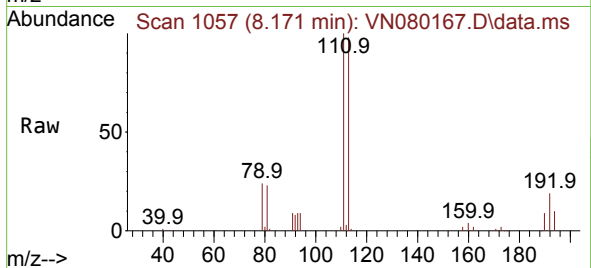
Tgt Ion: 114 Resp: 310602
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 36.4
 88 17.7 0.0 30.6



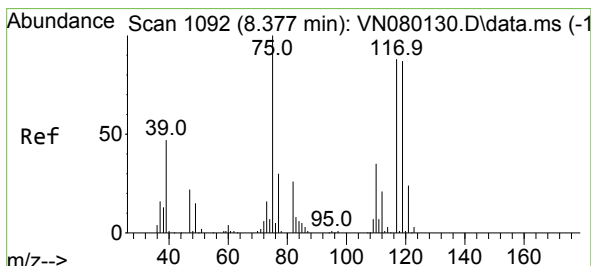
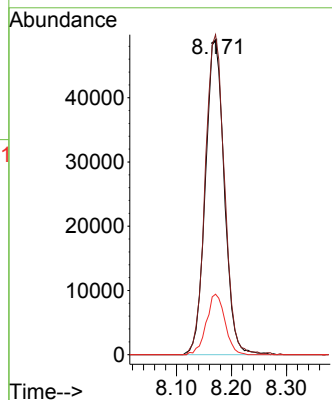
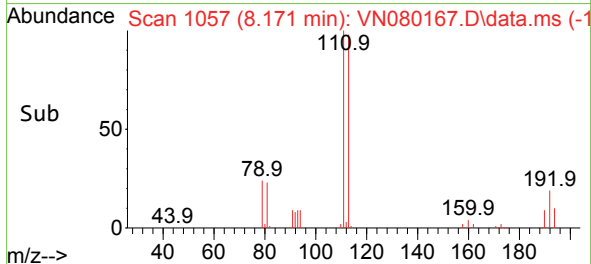


#35
Dibromofluoromethane
Concen: 51.078 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :

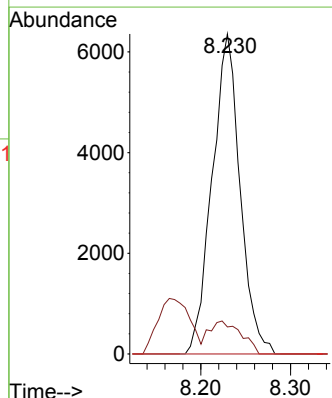
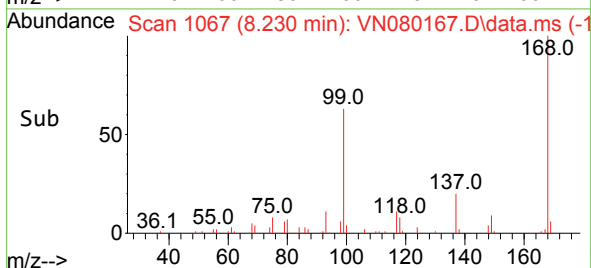
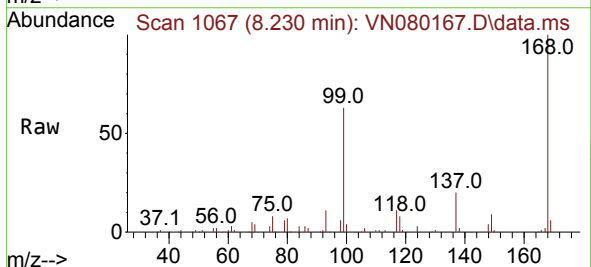


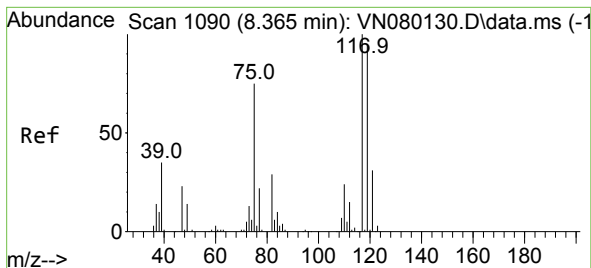
Tgt Ion:113 Resp: 117063
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 18.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.139 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

Tgt Ion: 75 Resp: 13734
Ion Ratio Lower Upper
75 100
110 11.8 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.454 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

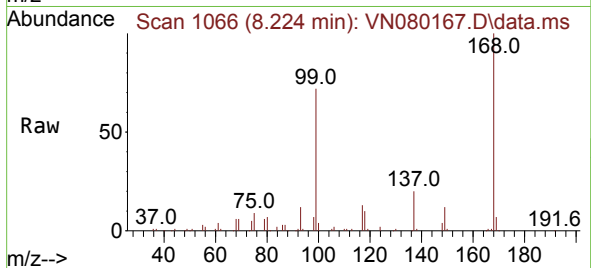
Lab File: VN080167.D

Acq: 17 Nov 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :



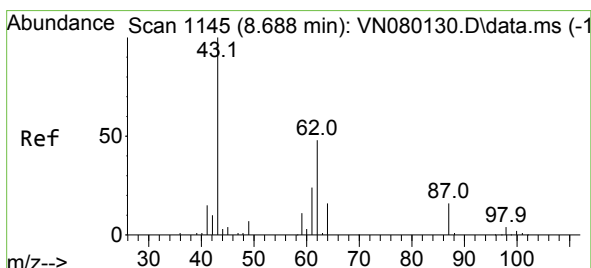
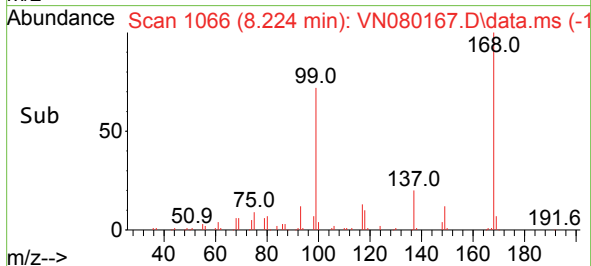
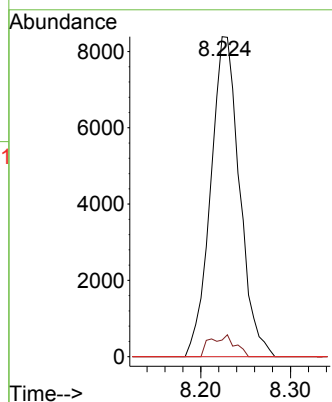
Tgt Ion:117 Resp: 18756

Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 17.639 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080167.D

Acq: 17 Nov 2023 16:53

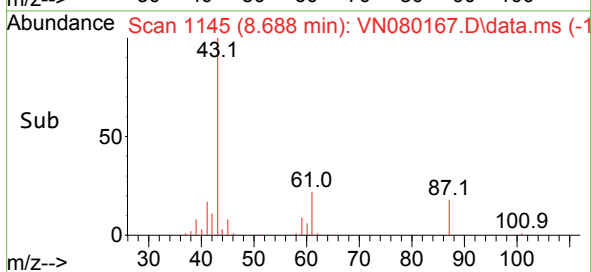
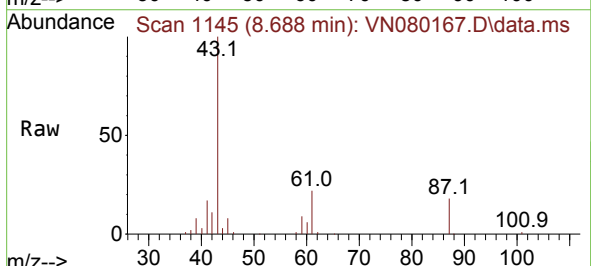
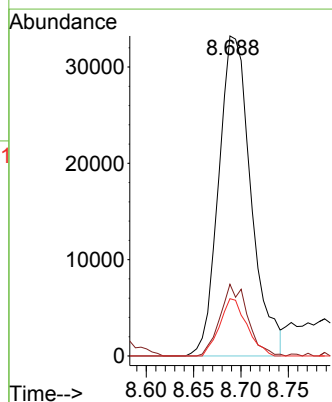
Tgt Ion: 43 Resp: 79004

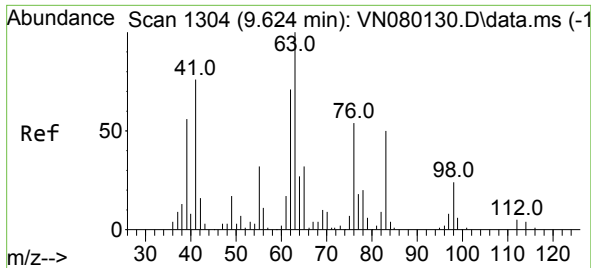
Ion Ratio Lower Upper

43 100

61 19.1 24.7 37.1#

87 15.0 14.6 21.8

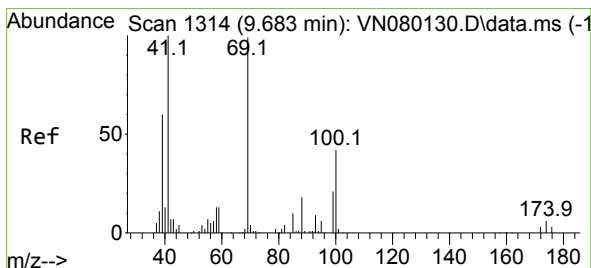
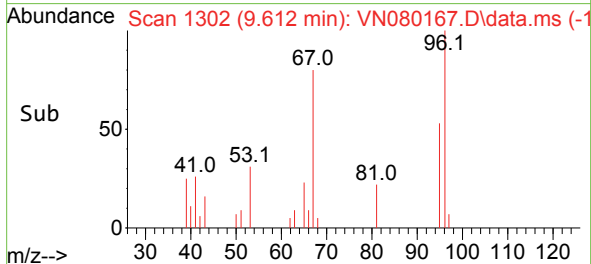
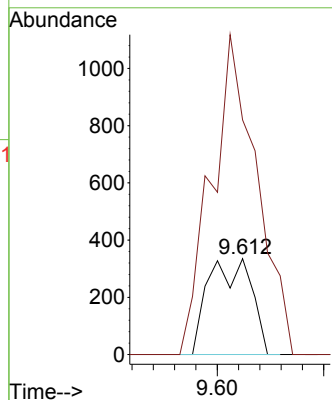
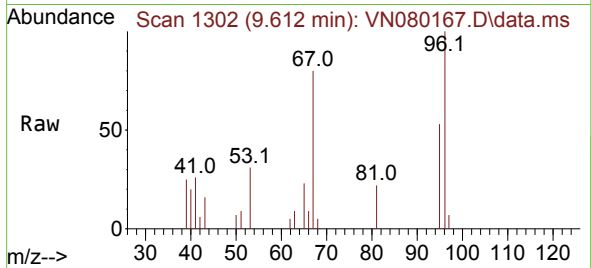




#45
1,2-Dichloropropane
Concen: 0.215 ug/l
RT: 9.612 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

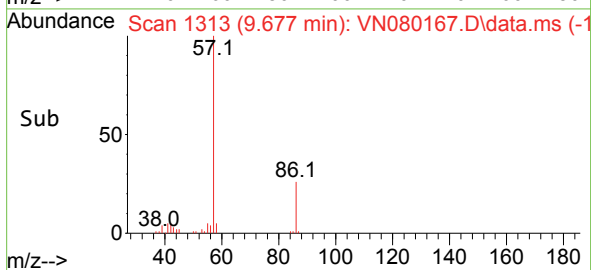
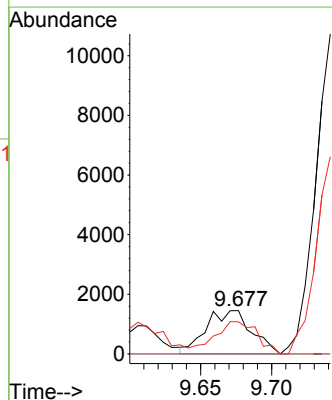
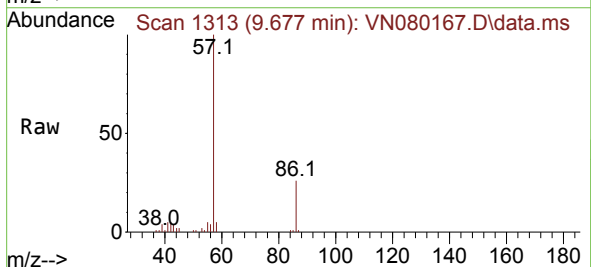
Instrument :
MSVOA_N
ClientSampleId :

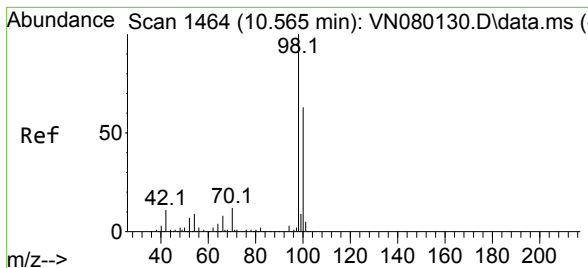
Tgt Ion: 63 Resp: 471
Ion Ratio Lower Upper
63 100
65 244.8 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.403 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

Tgt Ion: 41 Resp: 3238
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 69.9 54.6 81.8

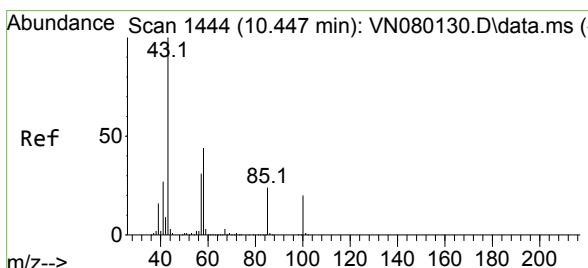
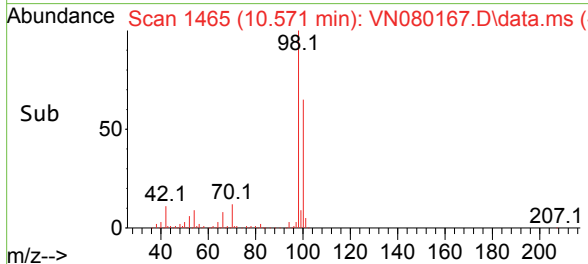
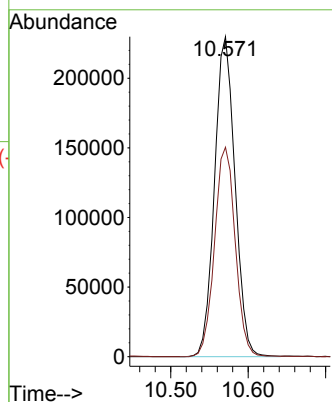
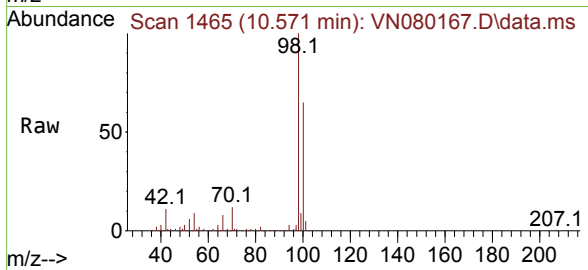




#50
Toluene-d8
Concen: 51.045 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

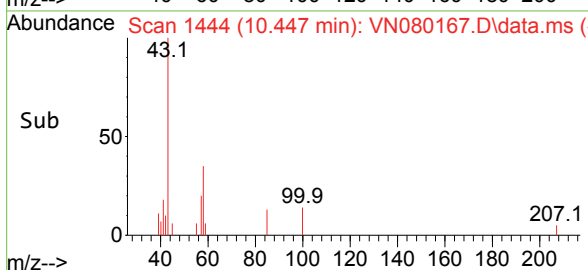
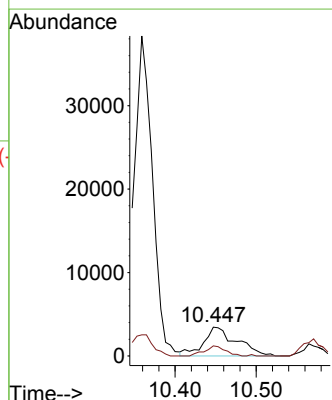
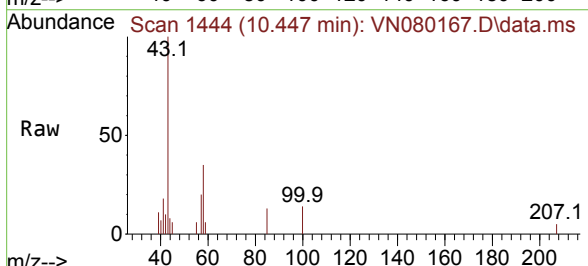
Instrument :
MSVOA_N
ClientSampleId :

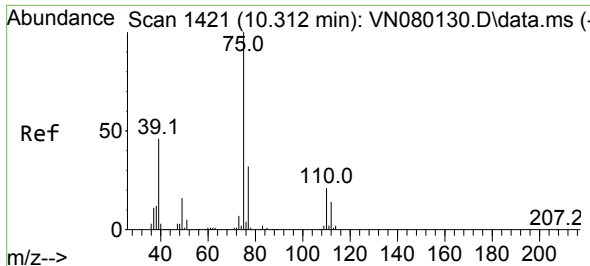
Tgt Ion: 98 Resp: 421711
Ion Ratio Lower Upper
98 100
100 66.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.215 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

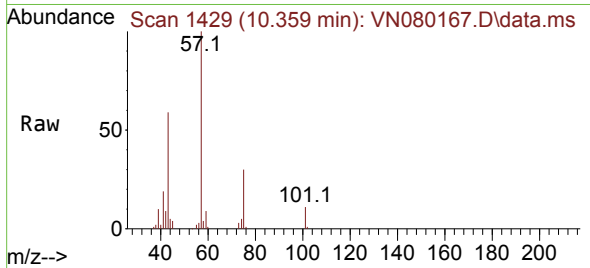
Tgt Ion: 43 Resp: 9774
Ion Ratio Lower Upper
43 100
58 21.7 36.6 54.8#



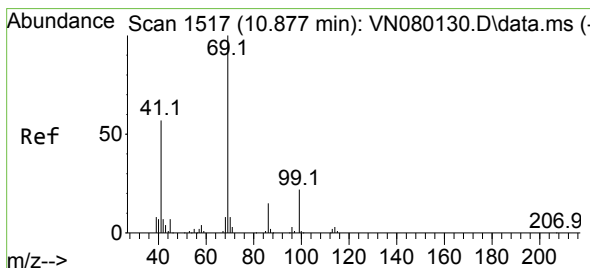
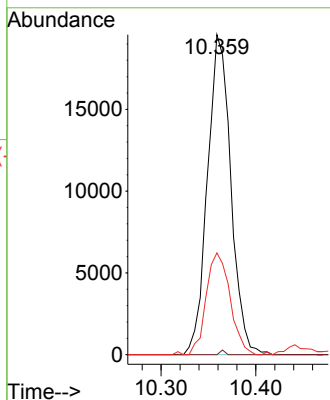
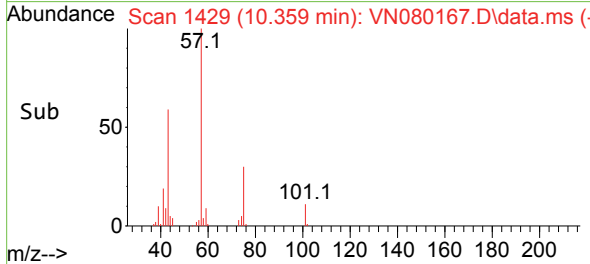


#54
 cis-1,3-Dichloropropene
 Concen: 8.769 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080167.D
 Acq: 17 Nov 2023 16:53

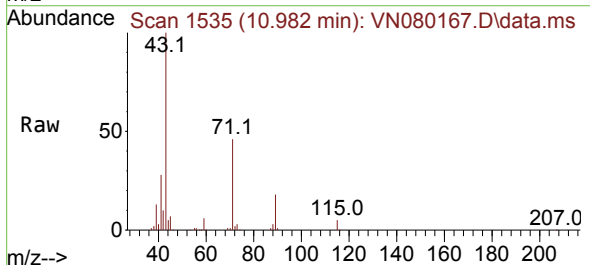
Instrument :
 MSVOA_N
 ClientSampleId :



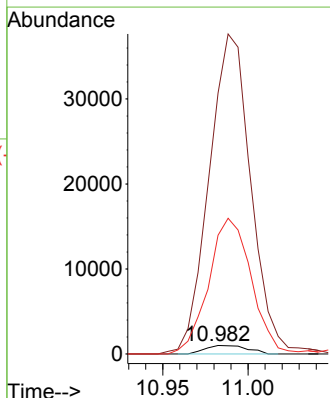
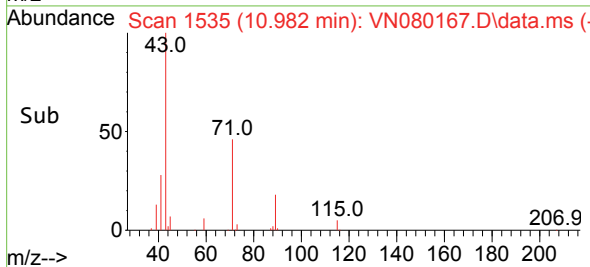
Tgt Ion: 75 Resp: 33591
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 30.8 31.6 47.4#

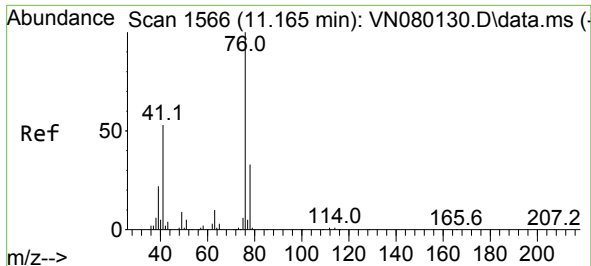


#56
 Ethyl methacrylate
 Concen: 0.749 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080167.D
 Acq: 17 Nov 2023 16:53



Tgt Ion: 69 Resp: 1723
 Ion Ratio Lower Upper
 69 100
 41 3746.4 39.6 59.4#
 39 1613.5 28.6 43.0#

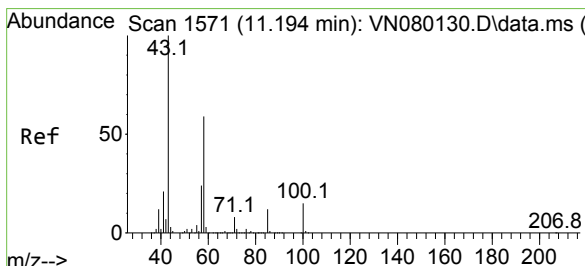
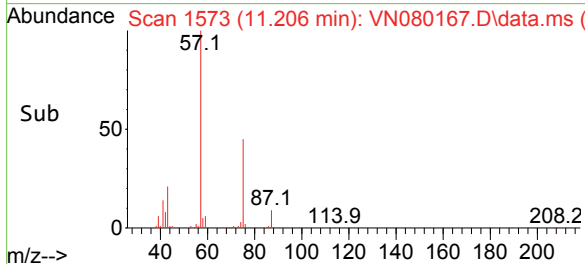
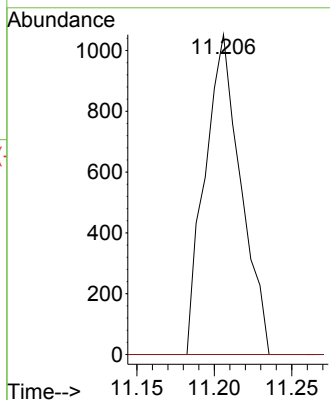
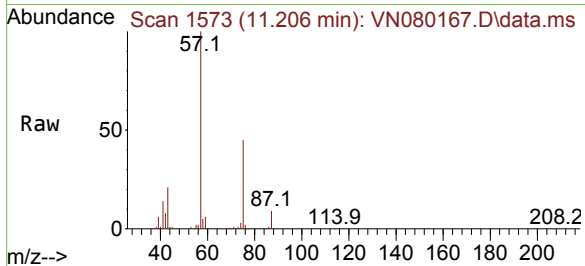




#57
1,3-Dichloropropane
Concen: 0.429 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

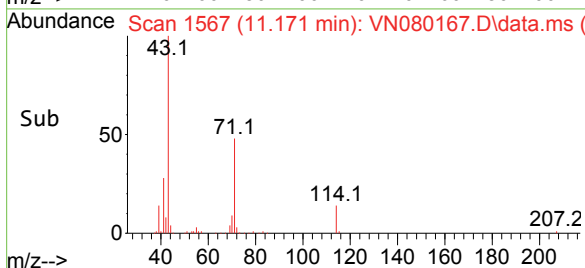
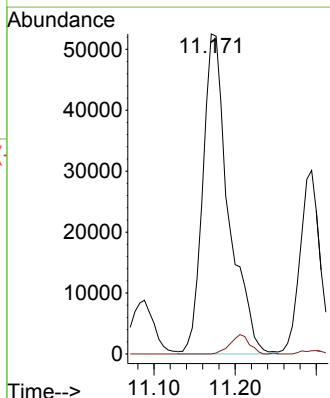
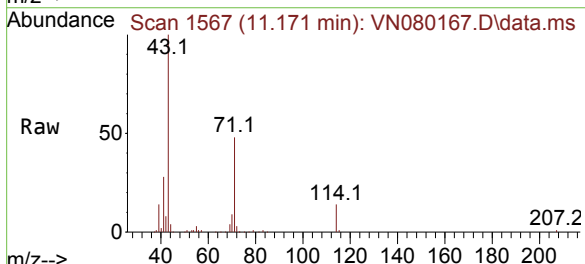
Instrument :
MSVOA_N
ClientSampleId :

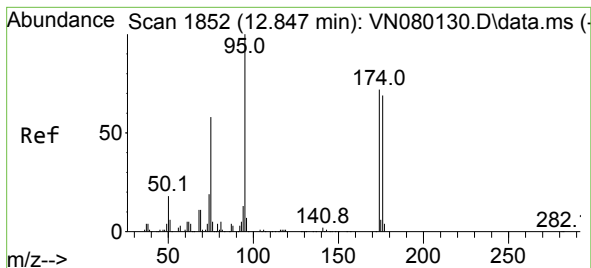
Tgt Ion: 76 Resp: 1689
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 62.448 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

Tgt Ion: 43 Resp: 116358
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

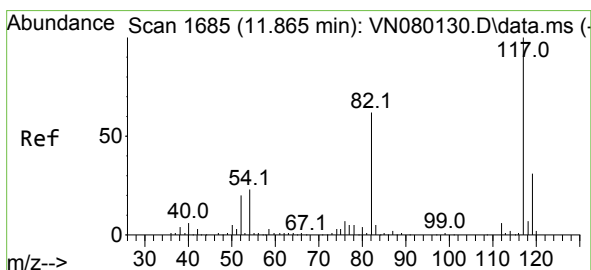
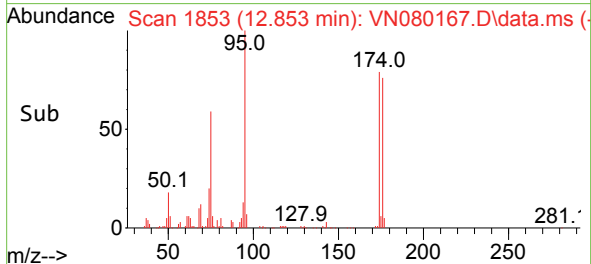
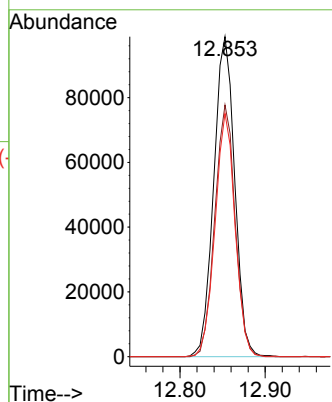
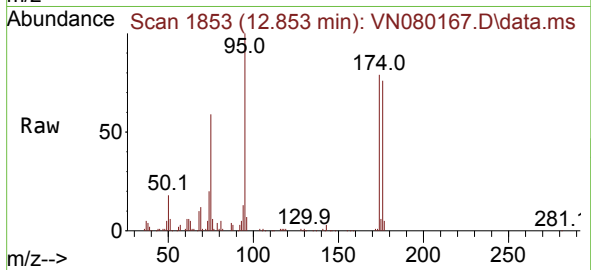




#62
4-Bromofluorobenzene
Concen: 54.022 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

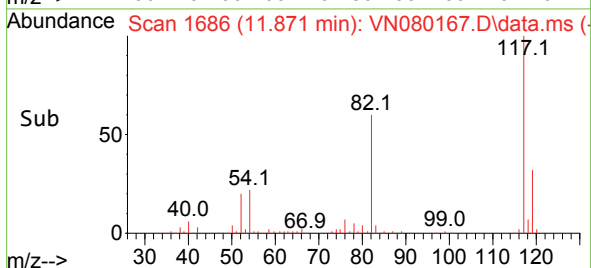
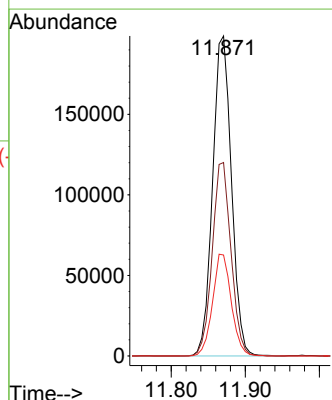
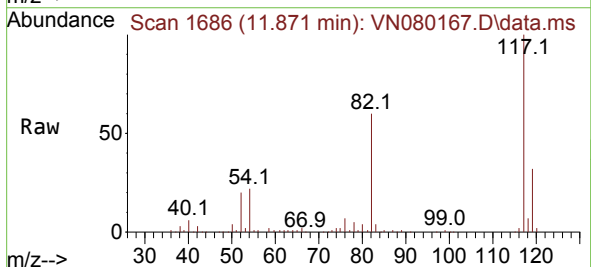
Instrument :
MSVOA_N
ClientSampleId :

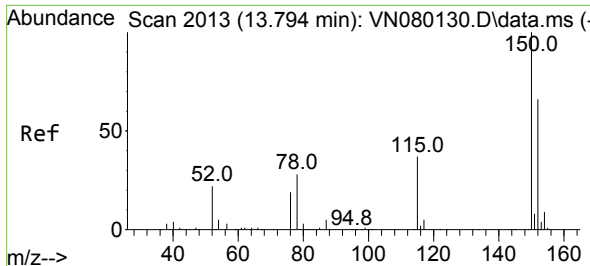
Tgt Ion: 95 Resp: 168577
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 72.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

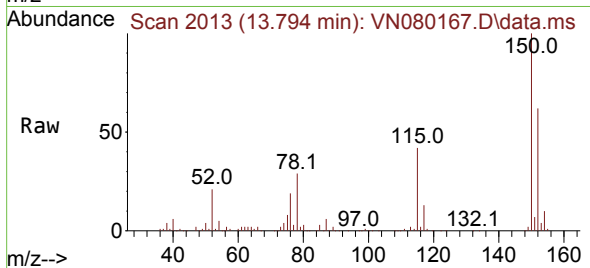
Tgt Ion: 117 Resp: 350184
Ion Ratio Lower Upper
117 100
82 60.5 44.0 66.0
119 31.5 25.6 38.4



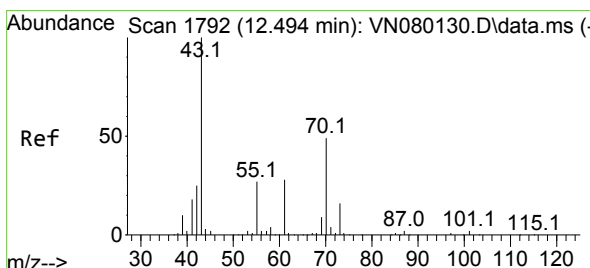
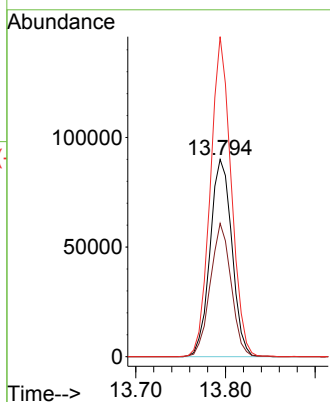
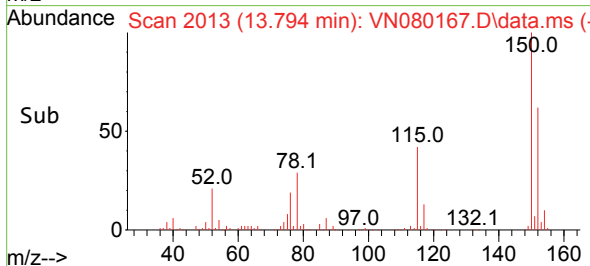


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

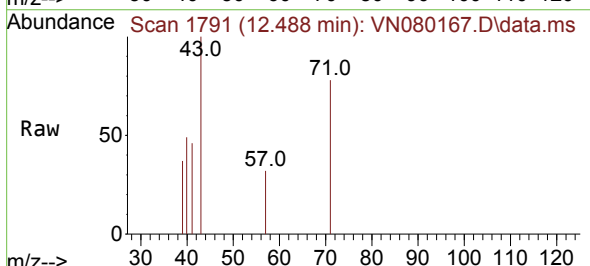
Instrument :
MSVOA_N
ClientSampleId :



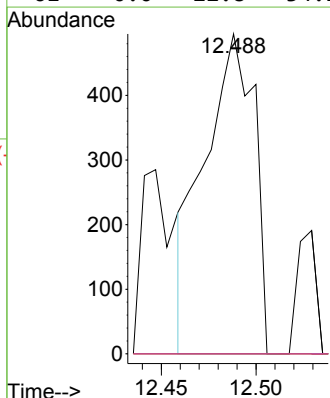
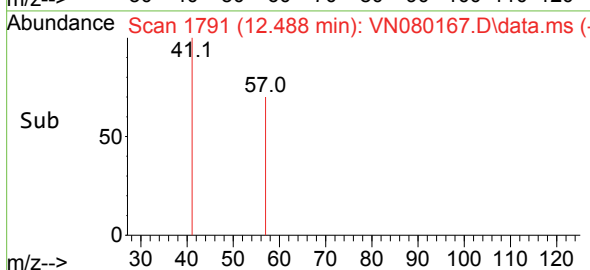
Tgt Ion:152 Resp: 152047
Ion Ratio Lower Upper
152 100
115 64.4 32.3 96.8
150 154.8 0.0 355.8

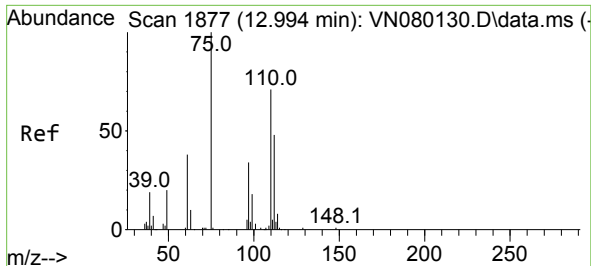


#74
N-ethyl acetate
Concen: 0.246 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53



Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

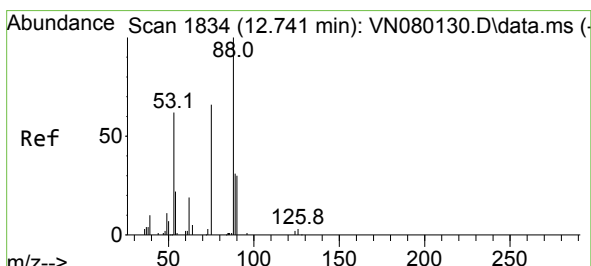
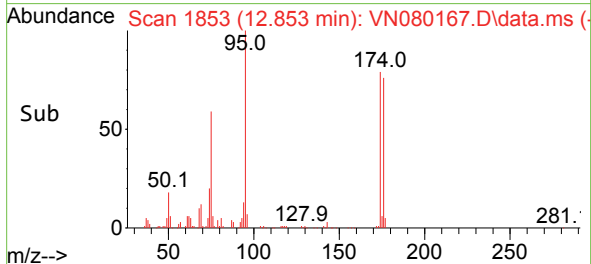
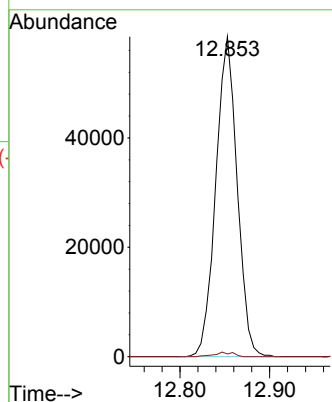
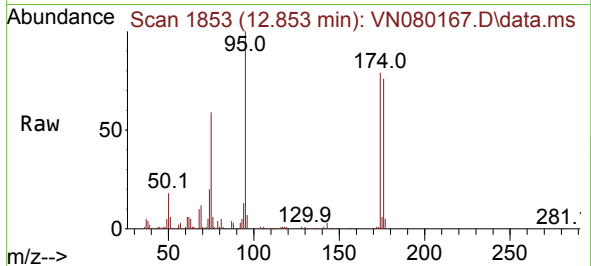




#76
1,2,3-Trichloropropane
Concen: 25.934 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

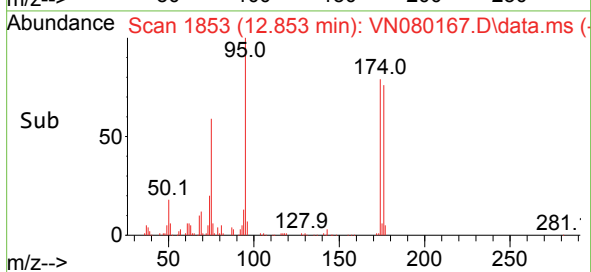
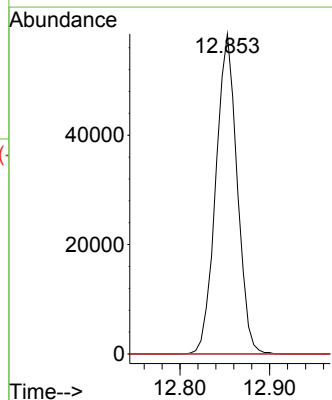
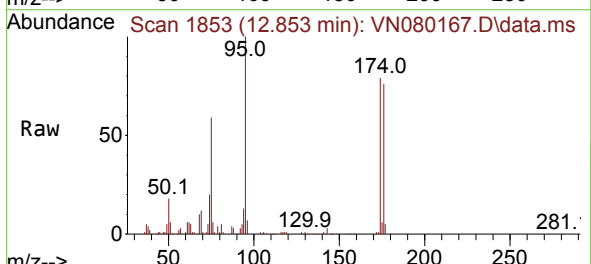
Instrument :
MSVOA_N
ClientSampleId :

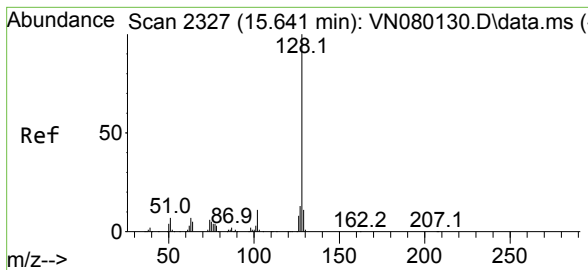
Tgt Ion: 75 Resp: 96614
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.620 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

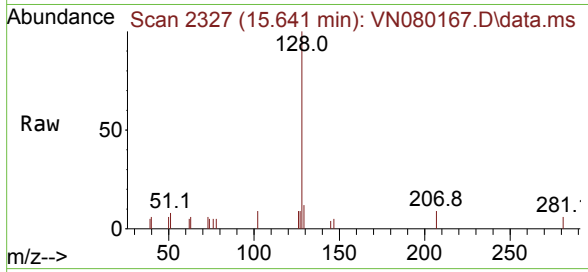
Tgt Ion: 75 Resp: 96614
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.826 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080167.D
Acq: 17 Nov 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	7156
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.0	15.0
129	12.1	8.7	13.1

