

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
 Data File : VN080176.D
 Acq On : 17 Nov 2023 20:27
 Operator : JC\MD
 Sample : 05449-31
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 02:38:57 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

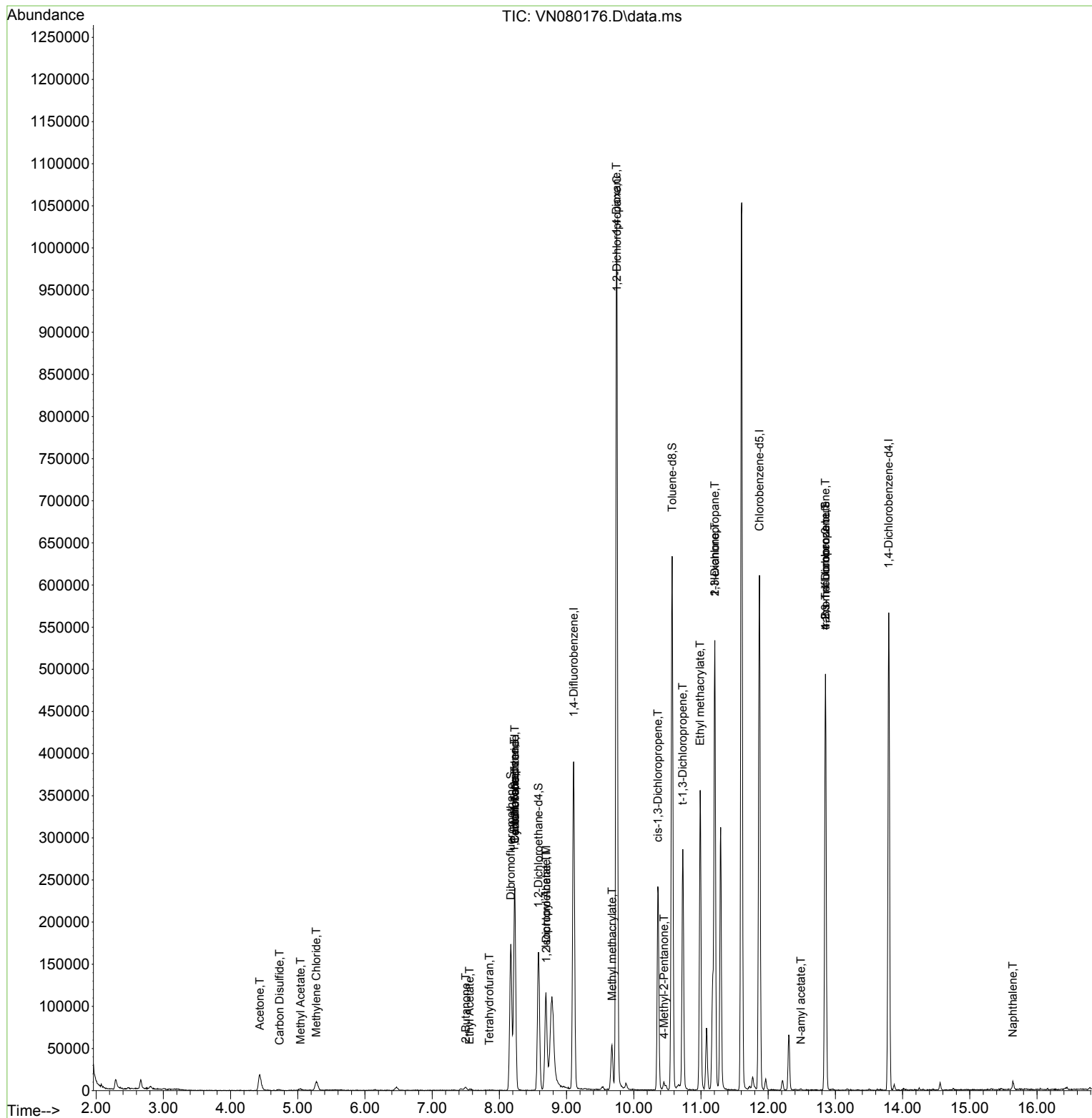
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

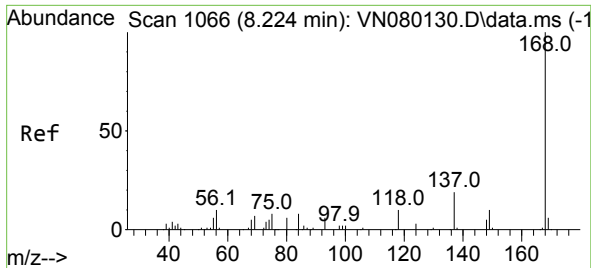
Internal Standards						
1) Pentafluorobenzene	8.230	168	164662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	322172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	340569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	149753	55.080	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.160%			
35) Dibromofluoromethane	8.171	113	117821	49.563	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.120%			
50) Toluene-d8	10.571	98	425729	49.680	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.360%			
62) 4-Bromofluorobenzene	12.853	95	170191	52.580	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.160%			
Target Compounds					Qvalue	
6) Chloroethane	3.124	64	101	Below Cal	#	43
16) Acetone	4.436	43	35408	38.774	ug/l #	86
17) Carbon Disulfide	4.730	76	1738	0.334	ug/l #	75
18) Methyl Acetate	5.041	43	3256	1.110	ug/l #	60
20) Methylene Chloride	5.277	84	8264	4.321	ug/l #	90
25) 2-Butanone	7.500	43	6499	5.990	ug/l	100
29) Tetrahydrofuran	7.853	42	126	0.216	ug/l #	20
31) Cyclohexane	8.230	56	3781	1.279	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	13241	3.847	ug/l #	51
37) Ethyl Acetate	7.559	43	2576	1.079	ug/l #	73
38) Carbon Tetrachloride	8.230	117	19197	4.395	ug/l #	14
42) 1,2-Dichloroethane	8.700	62	986	0.246	ug/l #	73
43) Isopropyl Acetate	8.694	43	132212	28.459	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	1267	0.557	ug/l #	45
48) Methyl methacrylate	9.676	41	3197	1.335	ug/l #	29
49) 1,4-Dioxane	9.741	88	166	4.168	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	5186	2.156	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	923	0.237	ug/l #	82
54) cis-1,3-Dichloropropene	10.359	75	44978	11.320	ug/l #	69
56) Ethyl methacrylate	10.988	69	1721	0.721	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5710	1.400	ug/l #	42
59) 2-Hexanone	11.206	43	60462	31.284	ug/l #	51
74) N-amyl acetate	12.488	43	958	0.263	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	95482	25.969	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95482	87.738	ug/l #	15
95) Naphthalene	15.641	128	8569	1.002	ug/l #	95

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

Instrument :
MSVOA_N
ClientSampleId :

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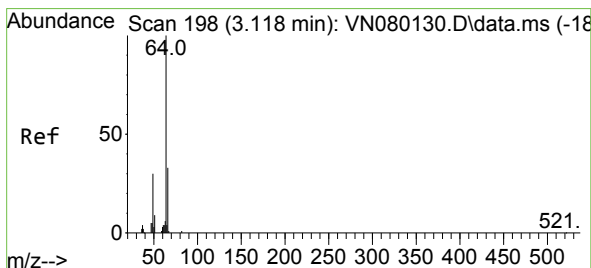
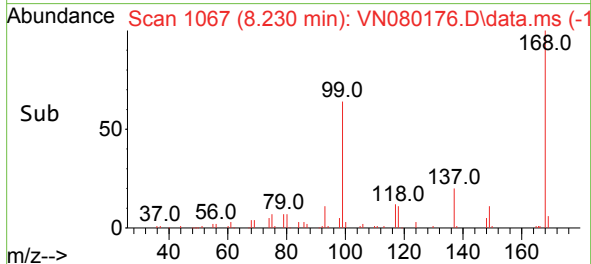
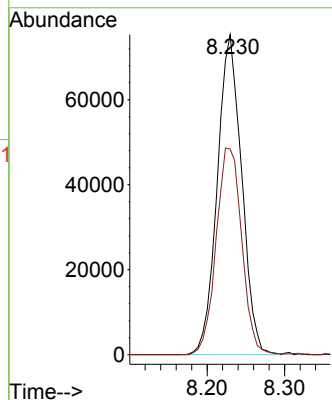
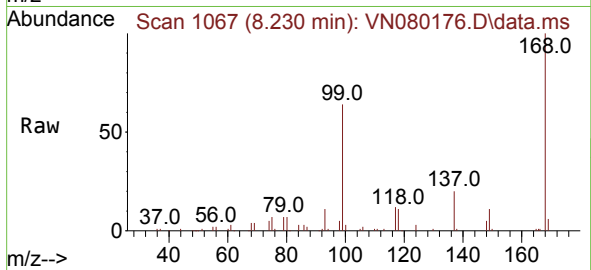




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

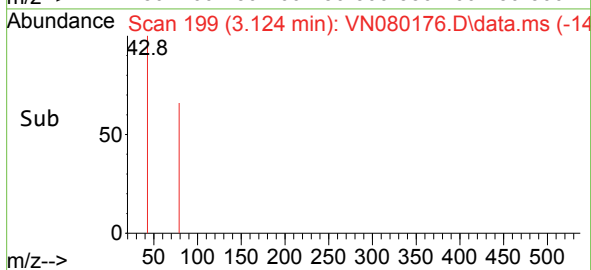
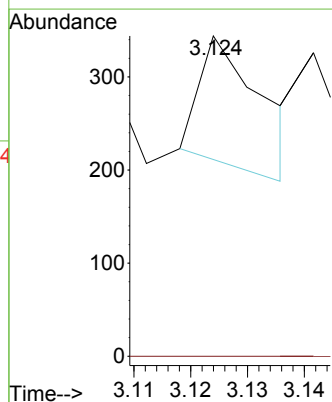
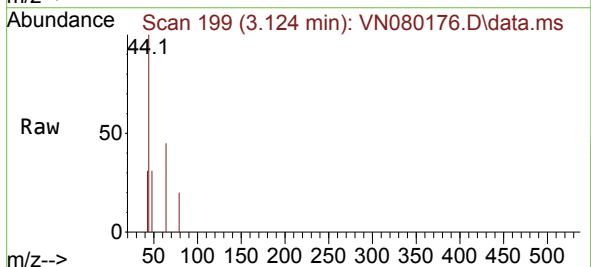
Instrument :
MSVOA_N
ClientSampleId :

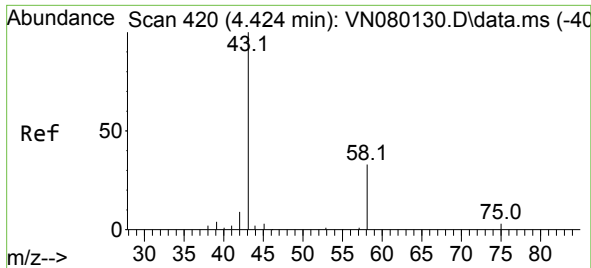
Tgt Ion:168 Resp: 164662
Ion Ratio Lower Upper
168 100
99 64.2 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Tgt Ion: 64 Resp: 101
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#16

Acetone

Concen: 38.774 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN080176.D

Acq: 17 Nov 2023 20:27

Instrument :

MSVOA_N

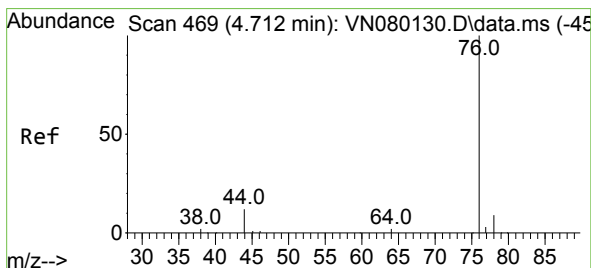
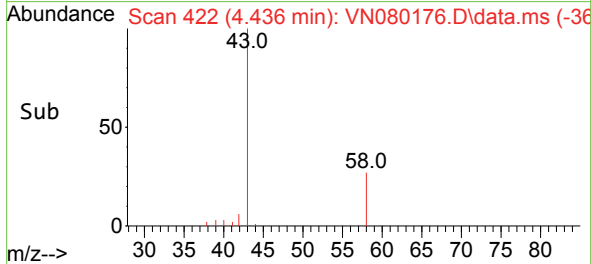
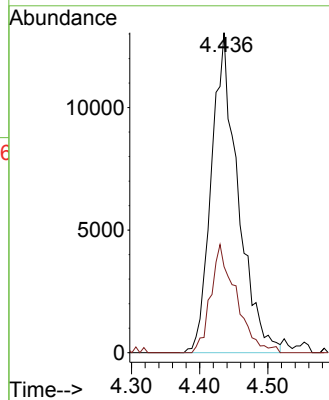
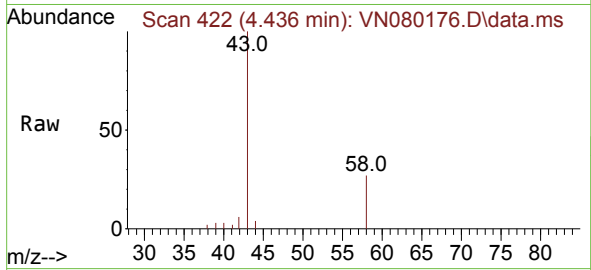
ClientSampleId :

Tgt Ion: 43 Resp: 35408

Ion Ratio Lower Upper

43 100

58 26.9 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.334 ug/l

RT: 4.730 min Scan# 472

Delta R.T. 0.017 min

Lab File: VN080176.D

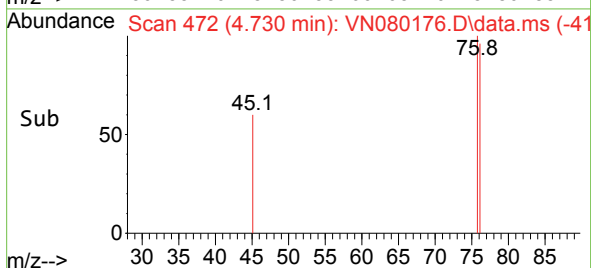
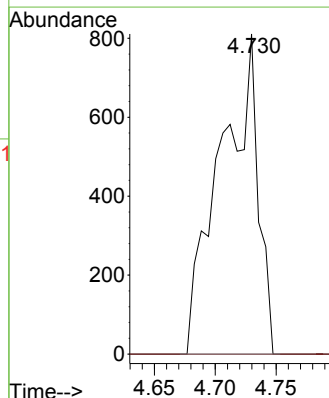
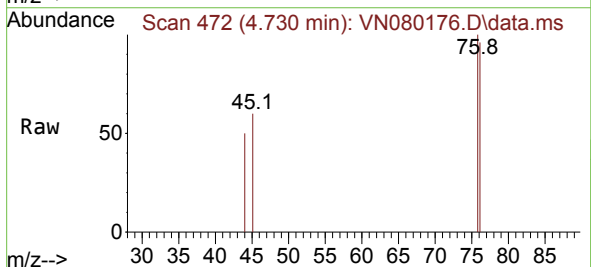
Acq: 17 Nov 2023 20:27

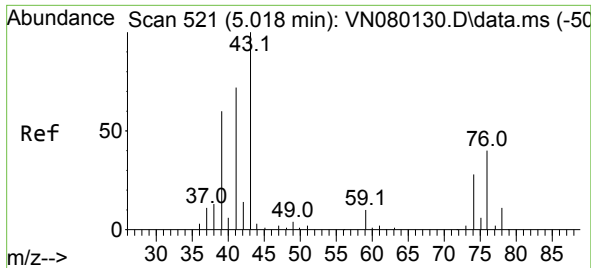
Tgt Ion: 76 Resp: 1738

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

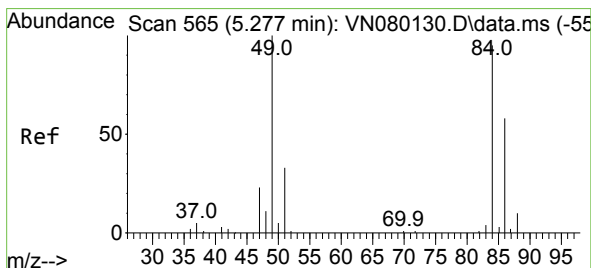
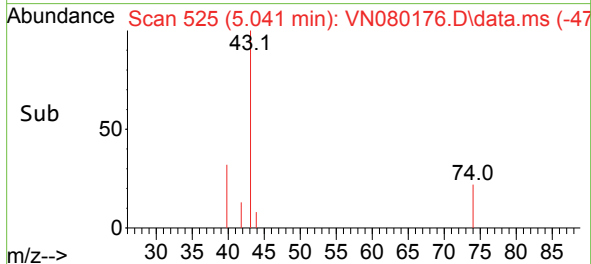
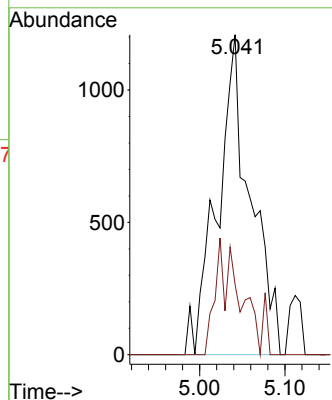
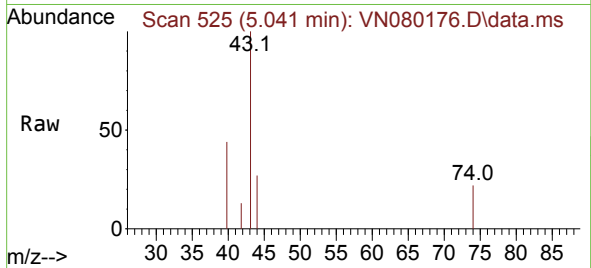




#18
Methyl Acetate
Concen: 1.110 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

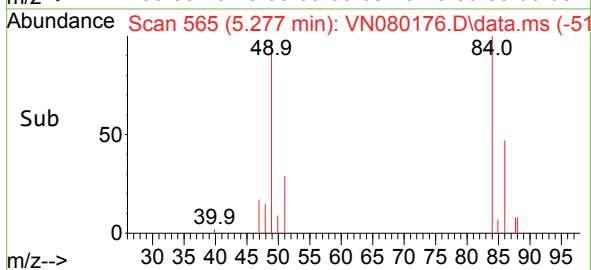
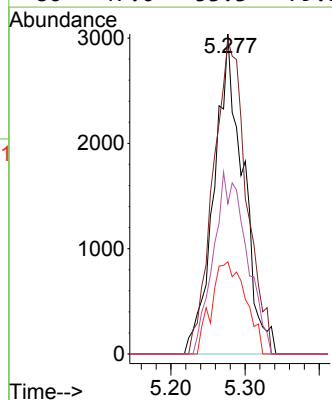
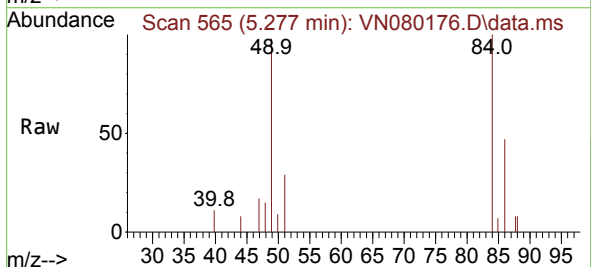
Instrument :
MSVOA_N
ClientSampleId :

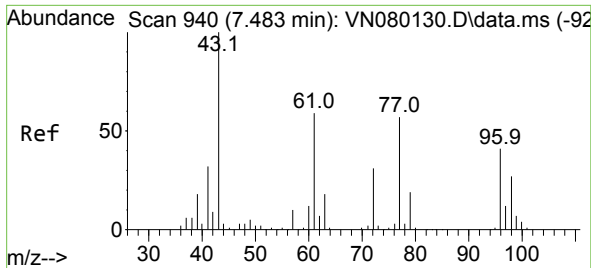
Tgt Ion: 43 Resp: 3256
Ion Ratio Lower Upper
43 100
74 10.5 26.2 39.4#



#20
Methylene Chloride
Concen: 4.321 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Tgt Ion: 84 Resp: 8264
Ion Ratio Lower Upper
84 100
49 98.0 79.7 119.5
51 28.8 25.2 37.8
86 47.0 53.3 79.9#

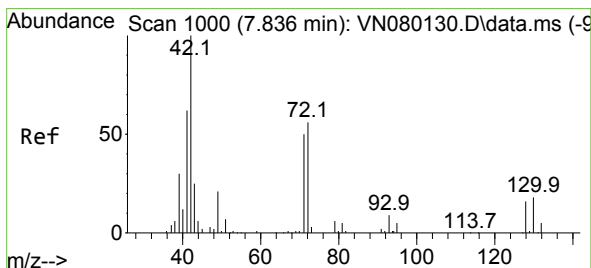
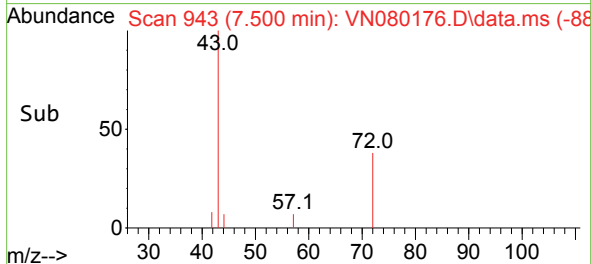
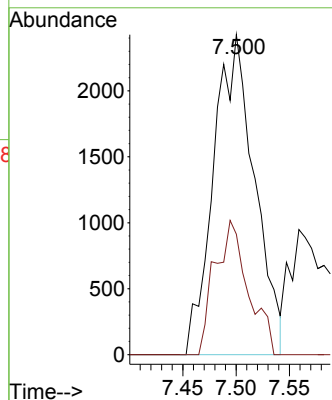
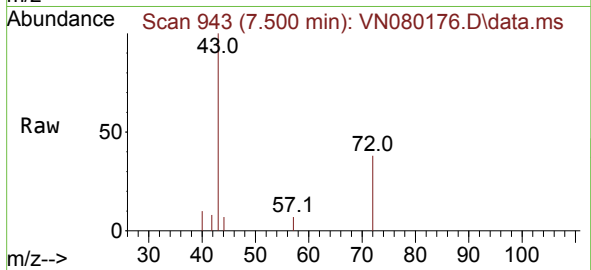




#25
2-Butanone
Concen: 5.990 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.017 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

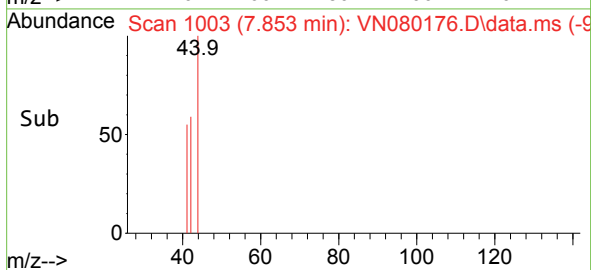
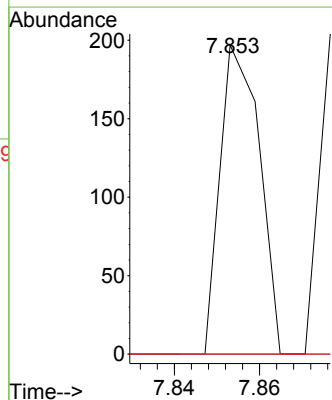
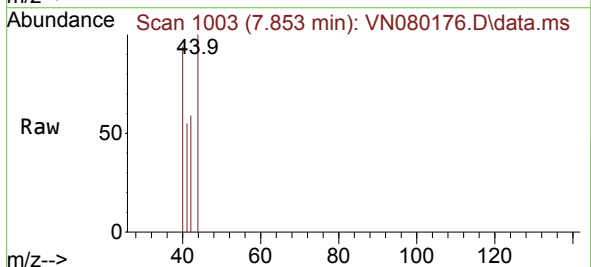
Instrument :
MSVOA_N
ClientSampleId :

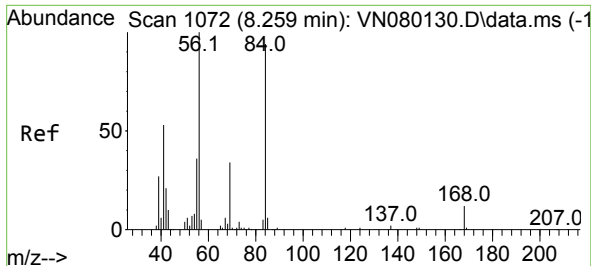
Tgt Ion: 43 Resp: 6499
Ion Ratio Lower Upper
43 100
72 37.6 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.216 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

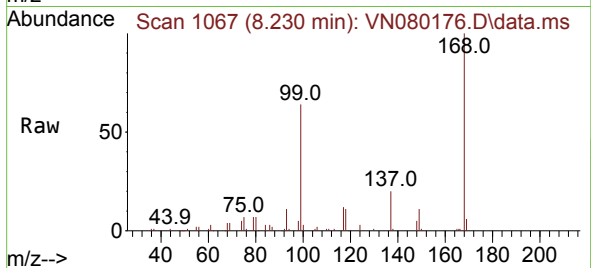
Tgt Ion: 42 Resp: 126
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



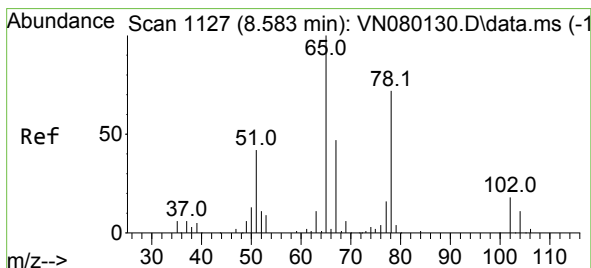
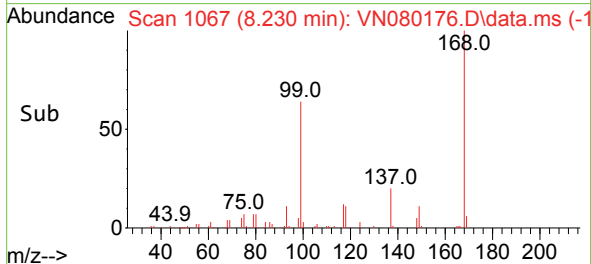
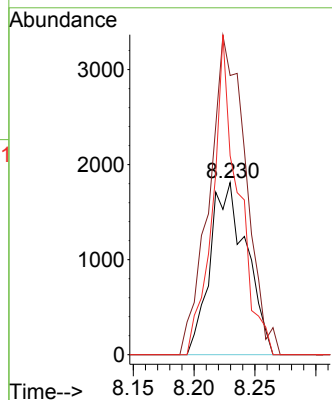


#31
Cyclohexane
Concen: 1.279 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Instrument :
MSVOA_N
ClientSampleId :

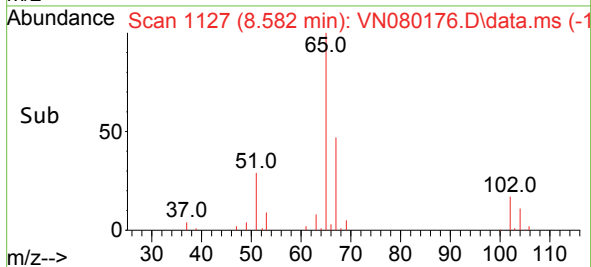
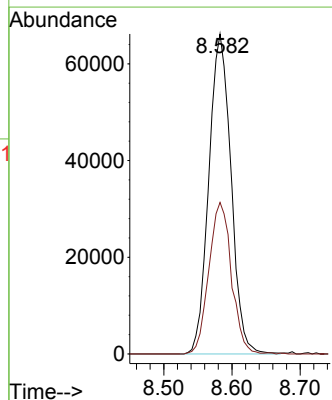
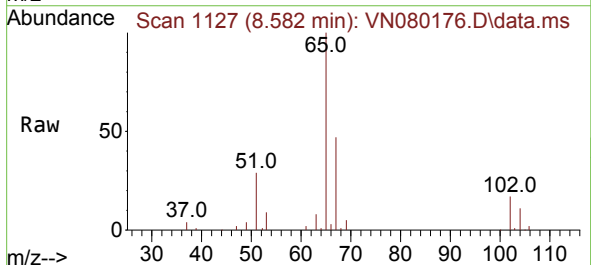


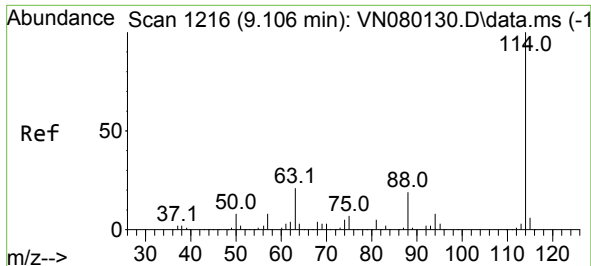
Tgt Ion: 56 Resp: 3781
Ion Ratio Lower Upper
56 100
69 162.2 26.8 40.2#
84 115.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.080 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Tgt Ion: 65 Resp: 149753
Ion Ratio Lower Upper
65 100
67 48.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min MSVOA_N

Lab File: VN080176.D

Acq: 17 Nov 2023 20:27

Instrument :

MSVOA_N

ClientSampleId :

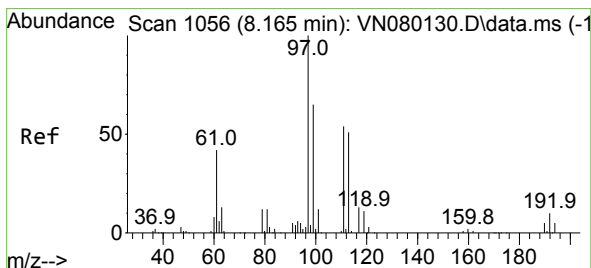
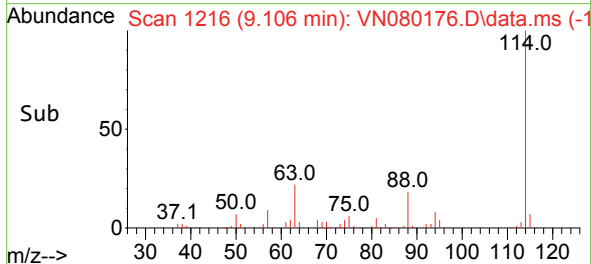
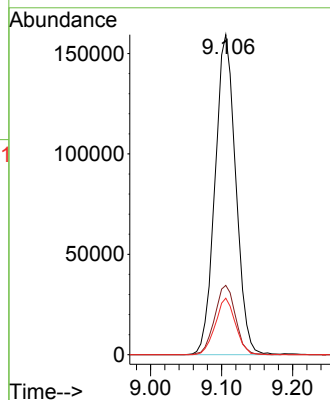
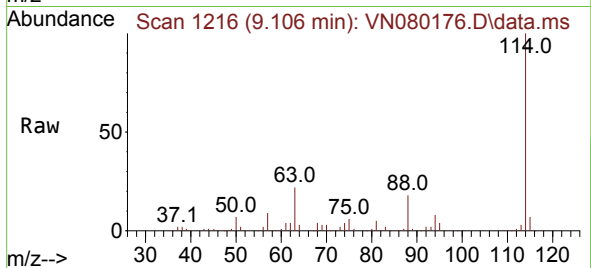
Tgt Ion:114 Resp: 322172

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 17.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.563 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080176.D

Acq: 17 Nov 2023 20:27

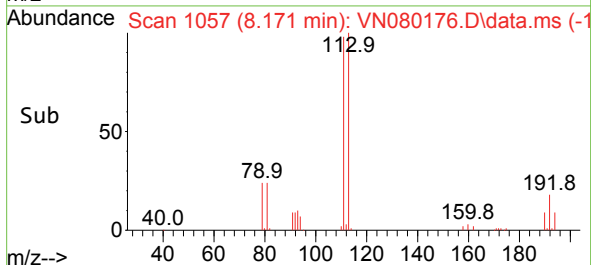
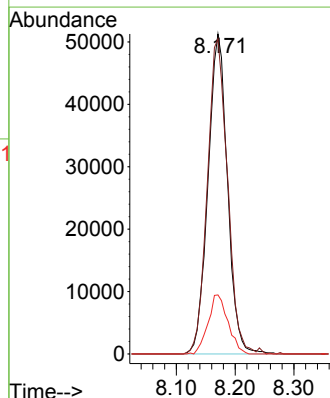
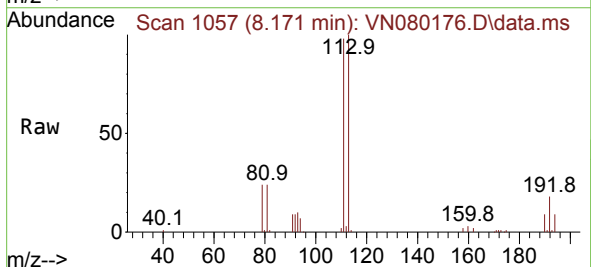
Tgt Ion:113 Resp: 117821

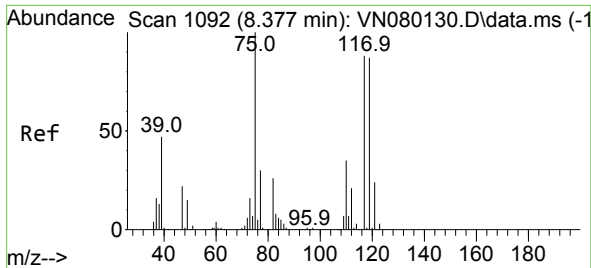
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

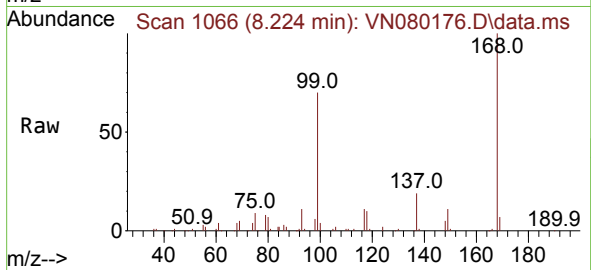
192 18.9 12.7 19.1



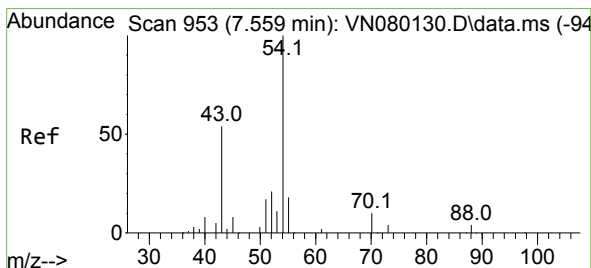
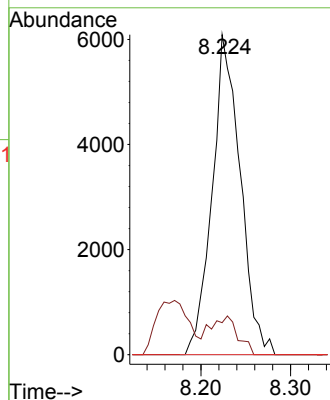
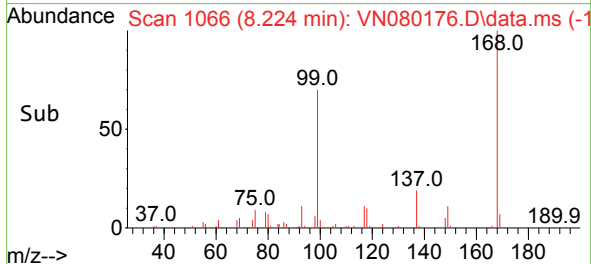


#36
 1,1-Dichloropropene
 Concen: 3.847 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN080176.D
 Acq: 17 Nov 2023 20:27

Instrument :
 MSVOA_N
 ClientSampleId :

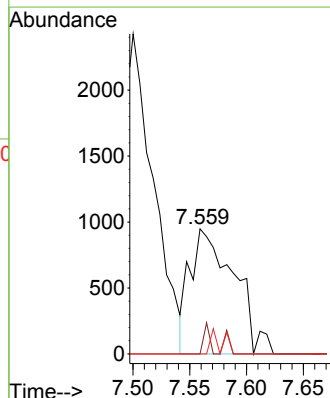
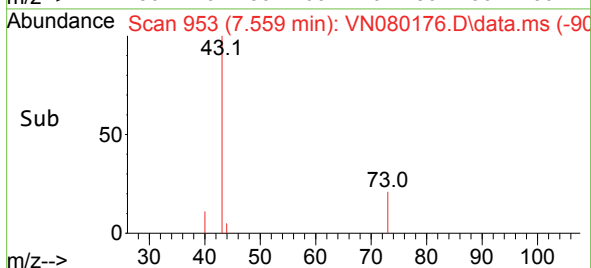
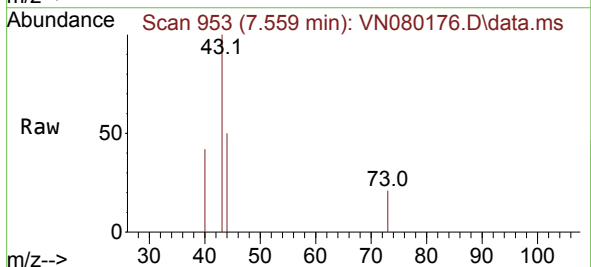


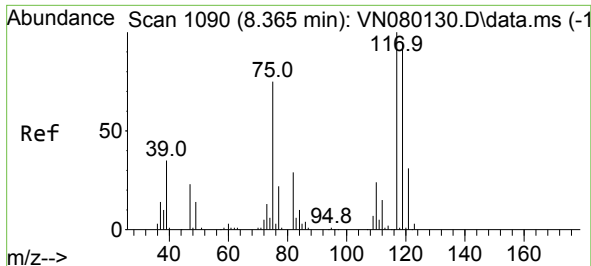
Tgt Ion: 75 Resp: 13241
 Ion Ratio Lower Upper
 75 100
 110 11.8 19.1 57.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.079 ug/l
 RT: 7.559 min Scan# 953
 Delta R.T. -0.000 min
 Lab File: VN080176.D
 Acq: 17 Nov 2023 20:27

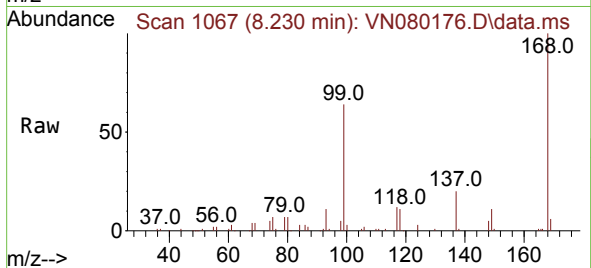
Tgt Ion: 43 Resp: 2576
 Ion Ratio Lower Upper
 43 100
 61 3.2 13.2 19.8#
 70 4.9 11.3 16.9#



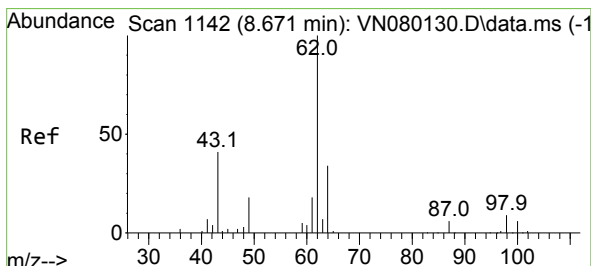
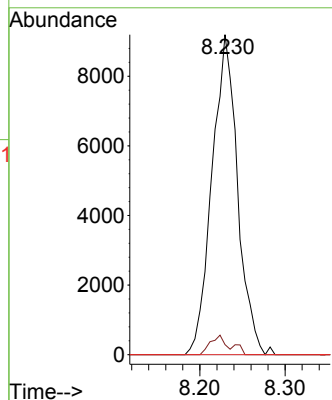
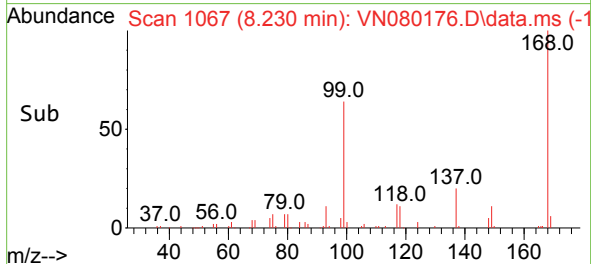


#38
Carbon Tetrachloride
Concen: 4.395 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Instrument :
MSVOA_N
ClientSampleId :

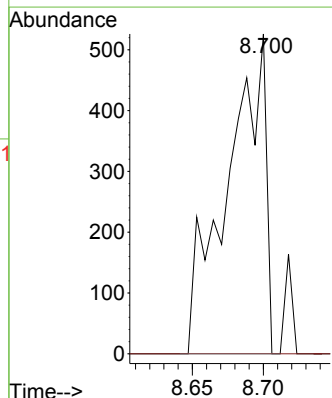
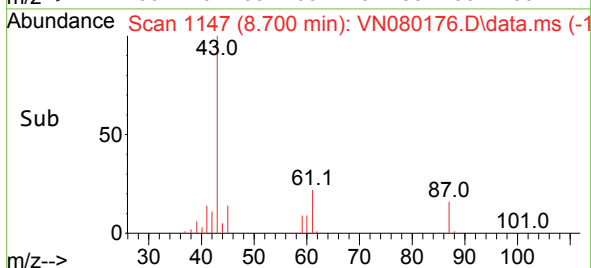
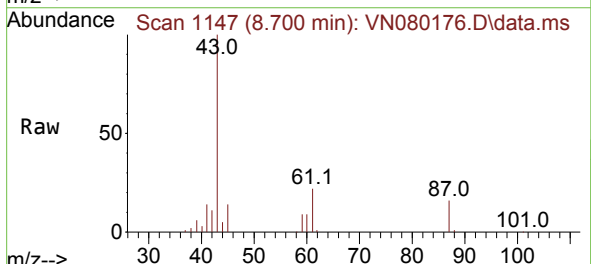


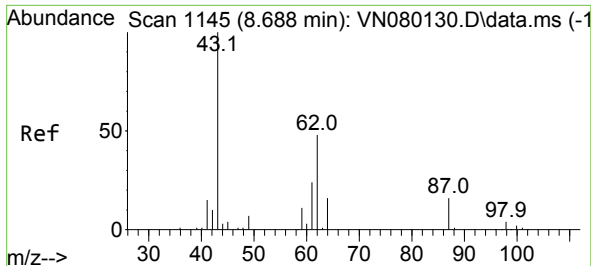
Tgt Ion:117 Resp: 19197
Ion Ratio Lower Upper
117 100
119 3.1 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.246 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.029 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Tgt Ion: 62 Resp: 986
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

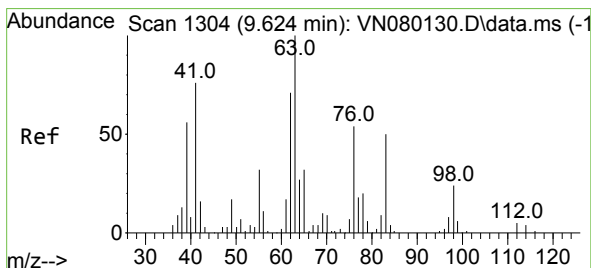
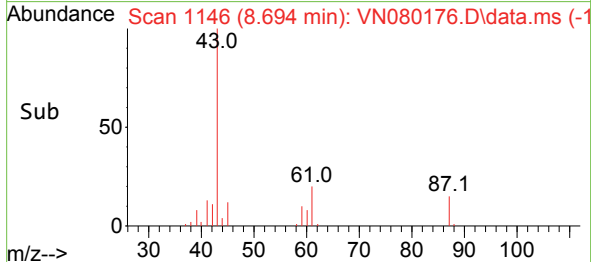
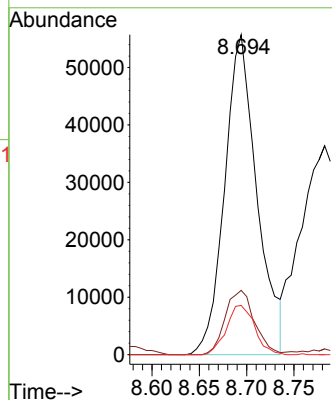
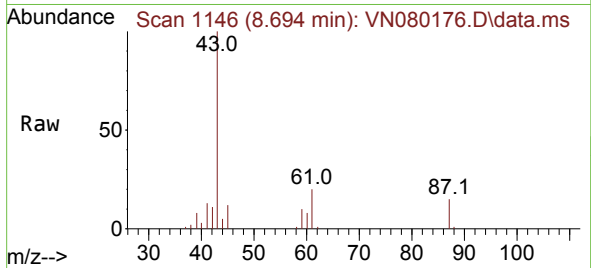




#43
Isopropyl Acetate
Concen: 28.459 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

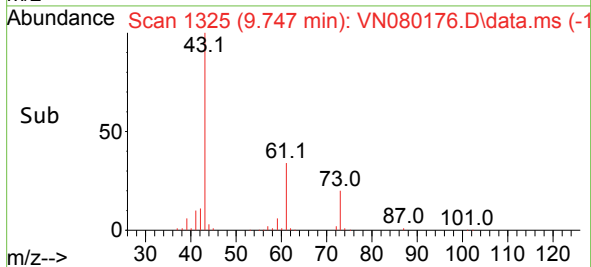
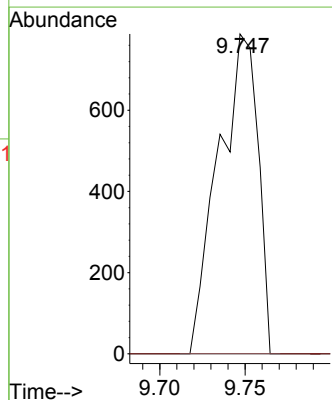
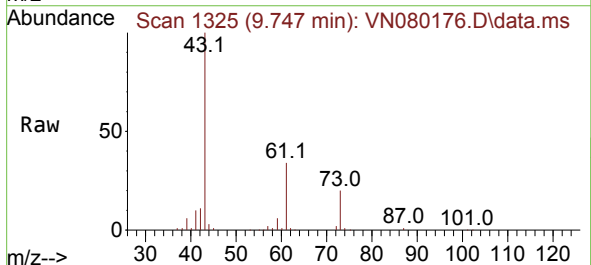
Instrument :
MSVOA_N
ClientSampleId :

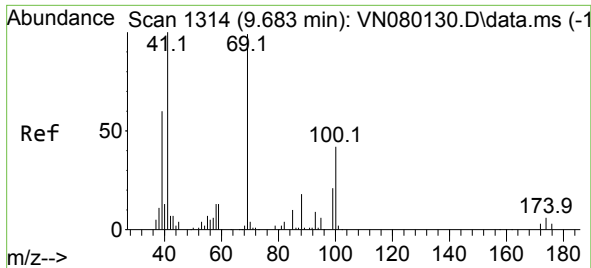
Tgt Ion: 43 Resp: 132212
Ion Ratio Lower Upper
43 100
61 18.3 24.7 37.1#
87 13.5 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.557 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Tgt Ion: 63 Resp: 1267
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

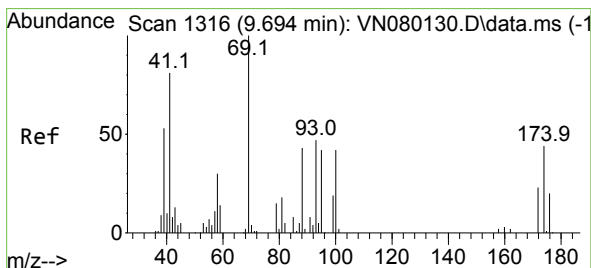
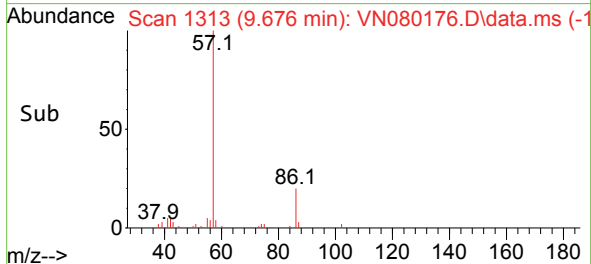
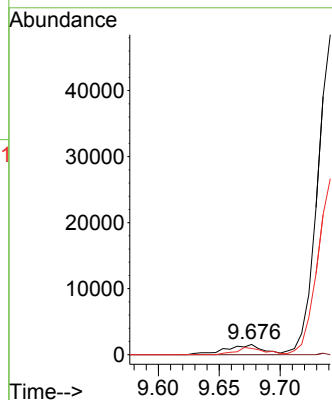
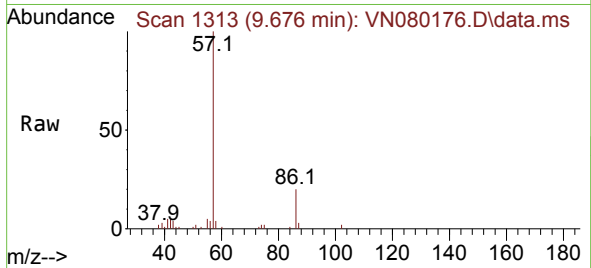




#48
Methyl methacrylate
Concen: 1.335 ug/l
RT: 9.676 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

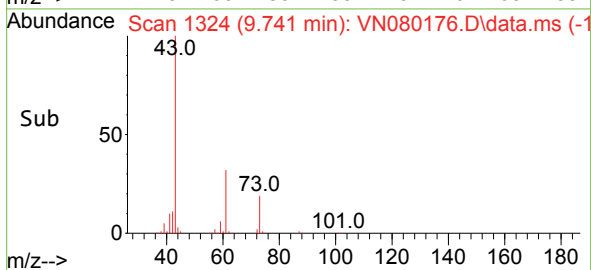
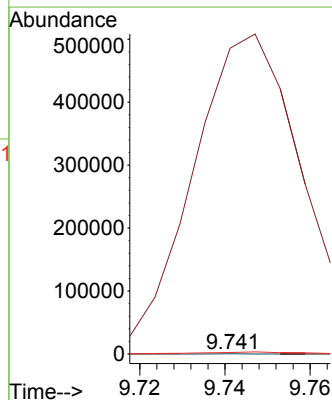
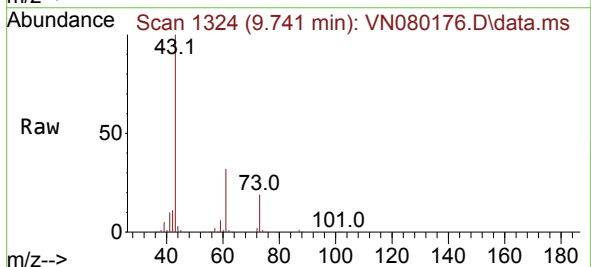
Instrument :
MSVOA_N
ClientSampleId :

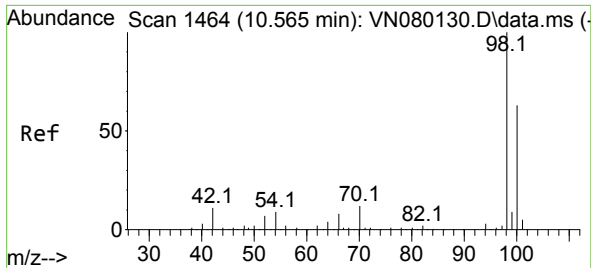
Tgt Ion: 41 Resp: 3197
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 55.8 54.6 81.8



#49
1,4-Dioxane
Concen: 4.168 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Tgt Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 562317.5 17.0 25.6#
58 3118.1 47.0 70.4#

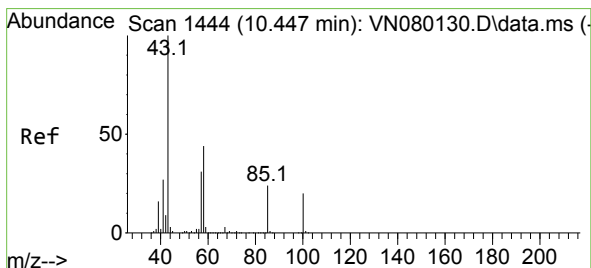
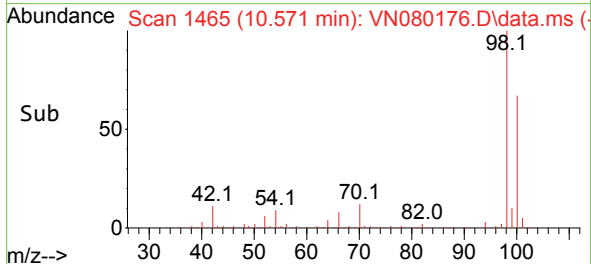
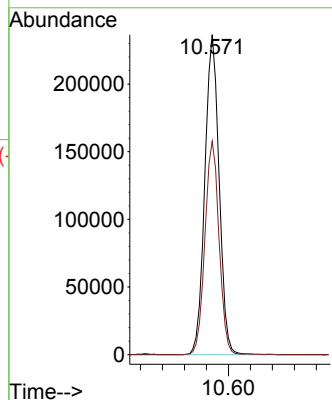
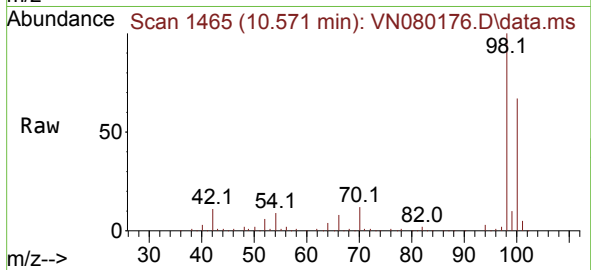




#50
Toluene-d8
Concen: 49.680 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

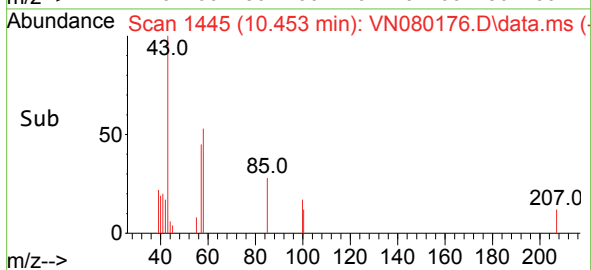
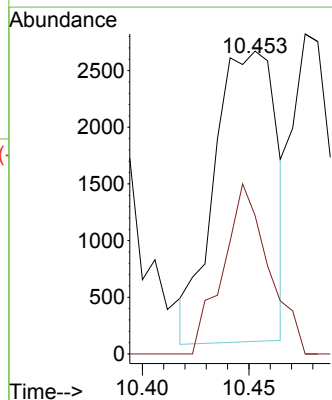
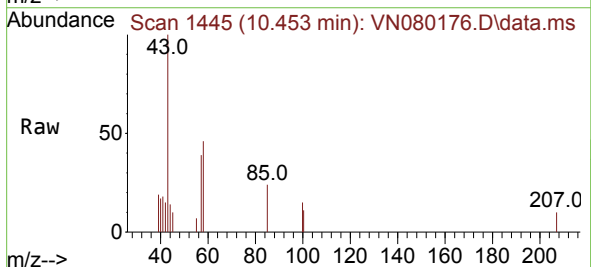
Instrument :
MSVOA_N
ClientSampleId :

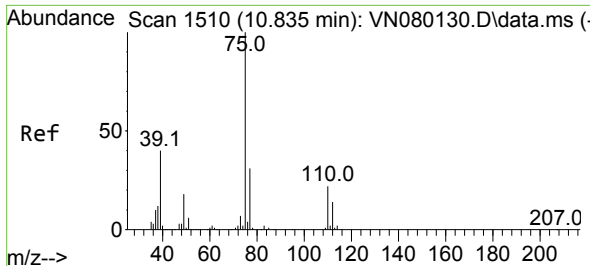
Tgt Ion: 98 Resp: 425729
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.156 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

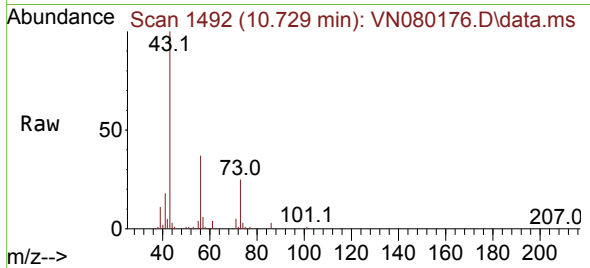
Tgt Ion: 43 Resp: 5186
Ion Ratio Lower Upper
43 100
58 43.1 36.6 54.8



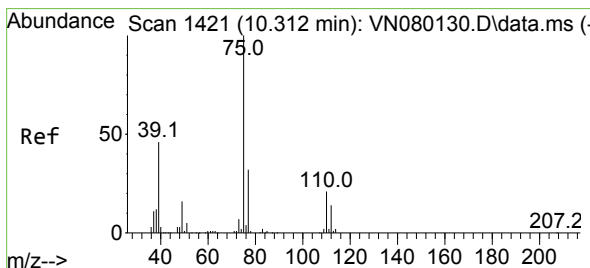
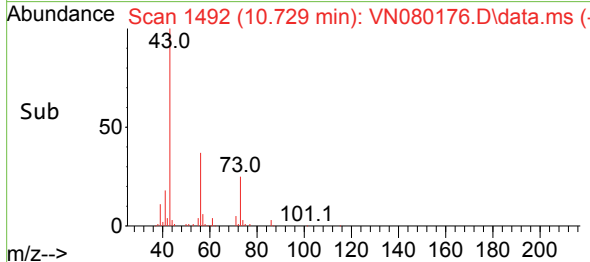
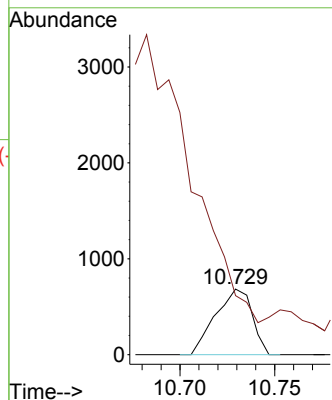


#53
t-1,3-Dichloropropene
Concen: 0.237 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Instrument :
MSVOA_N
ClientSampleId :

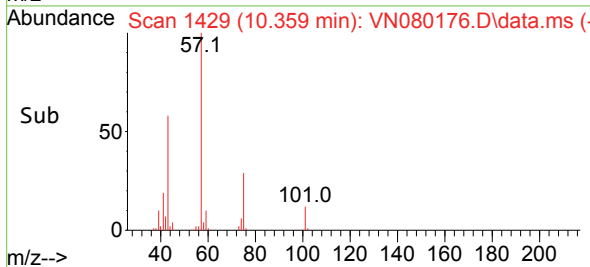
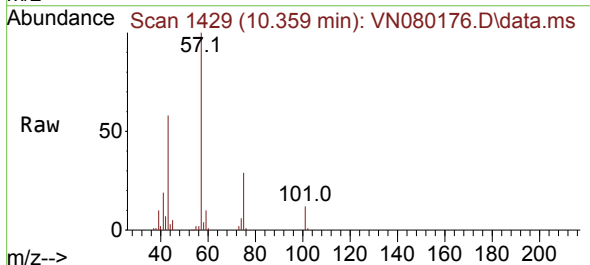
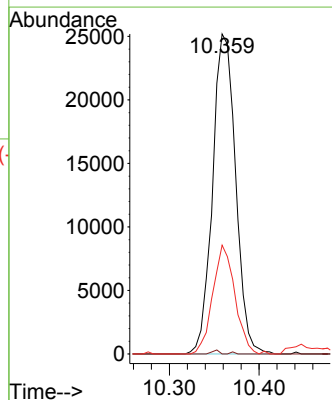


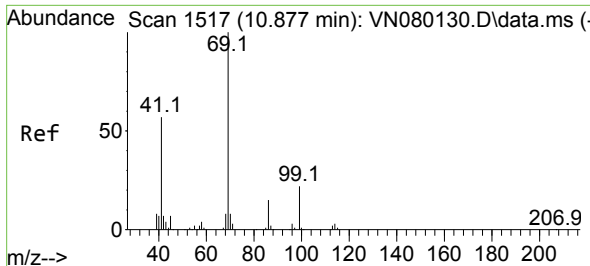
Tgt Ion: 75 Resp: 923
Ion Ratio Lower Upper
75 100
77 21.5 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 11.320 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

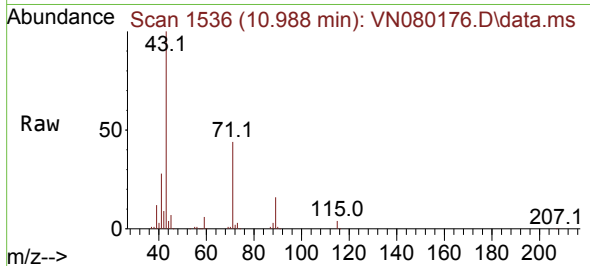
Tgt Ion: 75 Resp: 44978
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 34.0 31.6 47.4



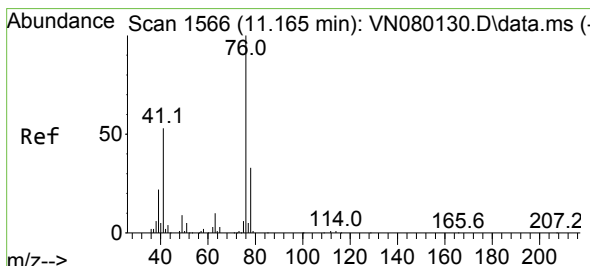
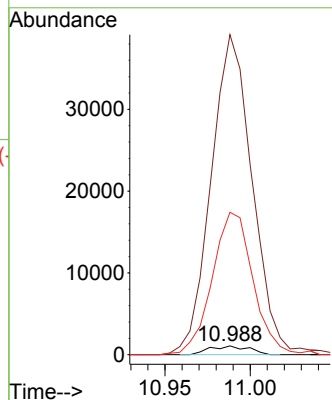
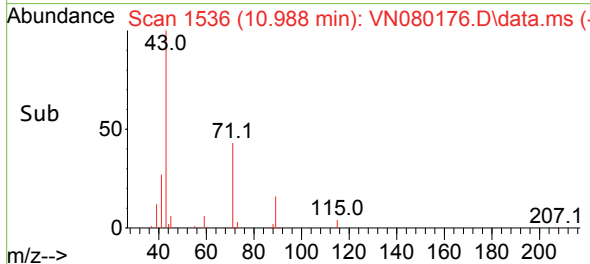


#56
Ethyl methacrylate
Concen: 0.721 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Instrument :
MSVOA_N
ClientSampleId :

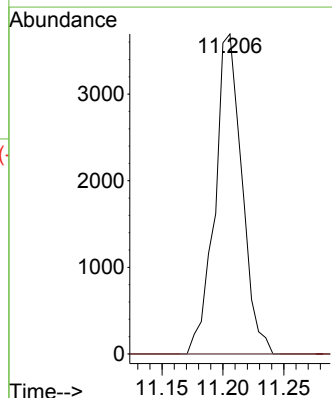
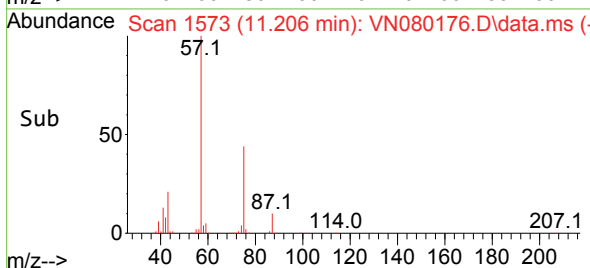
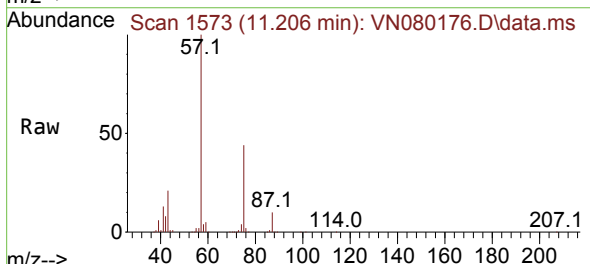


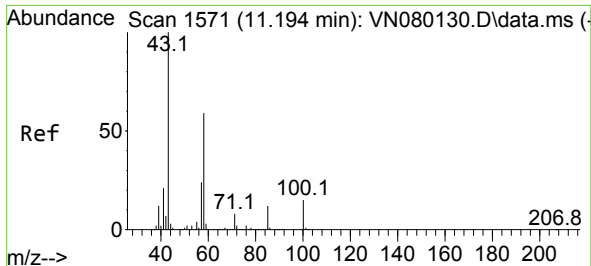
Tgt Ion: 69 Resp: 1721
Ion Ratio Lower Upper
69 100
41 3844.0 39.6 59.4#
39 1691.7 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.400 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Tgt Ion: 76 Resp: 5710
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

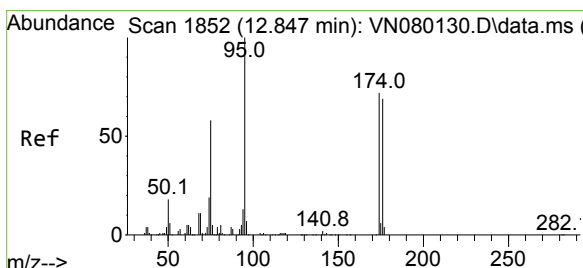
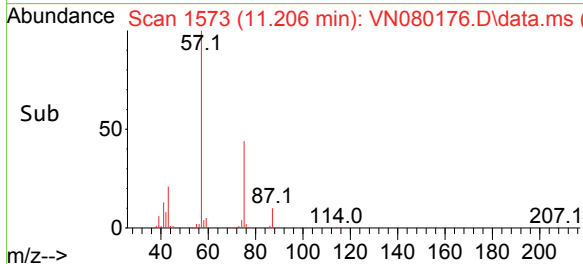
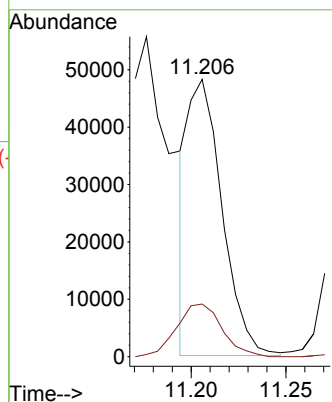
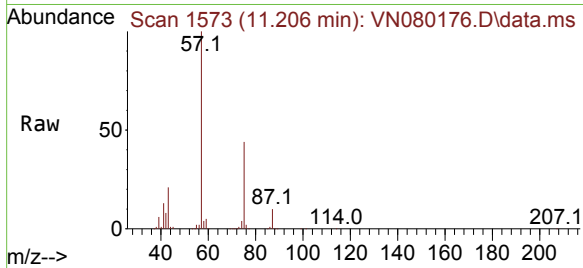




#59
2-Hexanone
Concen: 31.284 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

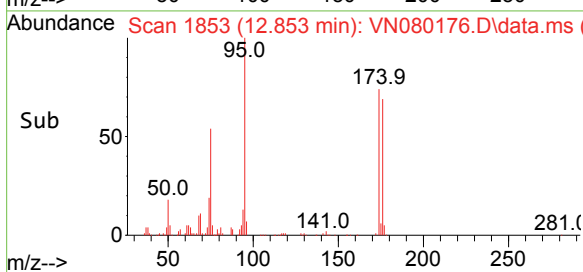
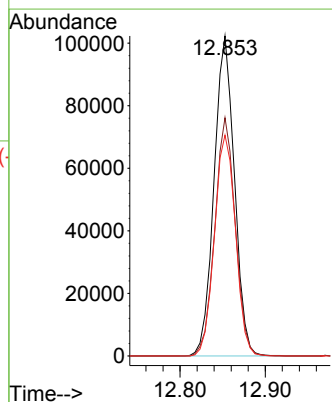
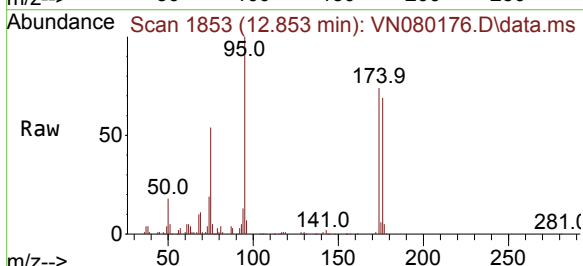
Instrument :
MSVOA_N
ClientSampleId :

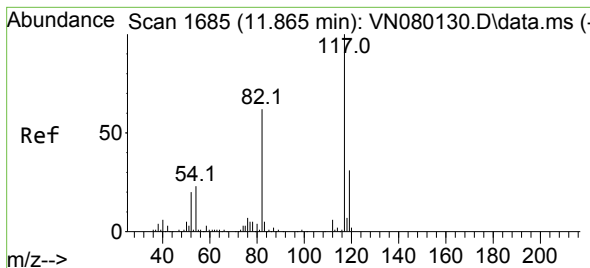
Tgt Ion: 43 Resp: 60462
Ion Ratio Lower Upper
43 100
58 25.3 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.580 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Tgt Ion: 95 Resp: 170191
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 71.1 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080176.D

Acq: 17 Nov 2023 20:27

Instrument :

MSVOA_N

ClientSampleId :

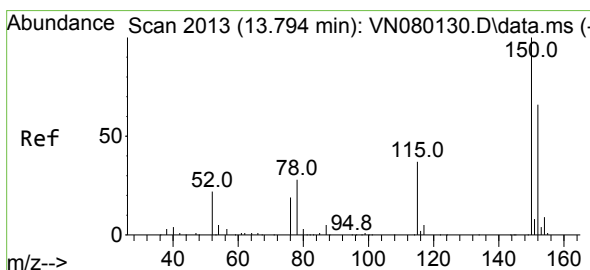
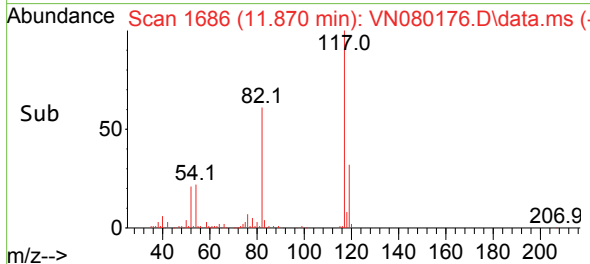
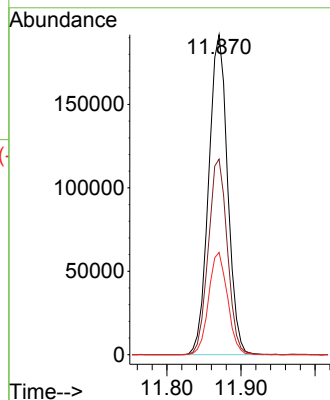
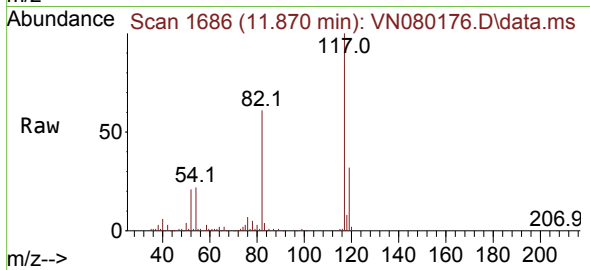
Tgt Ion:117 Resp: 340569

Ion Ratio Lower Upper

117 100

82 61.1 44.0 66.0

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080176.D

Acq: 17 Nov 2023 20:27

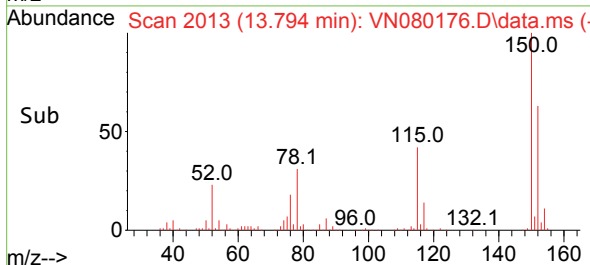
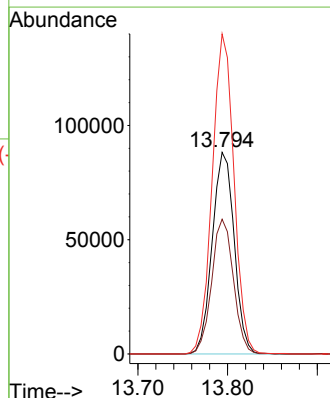
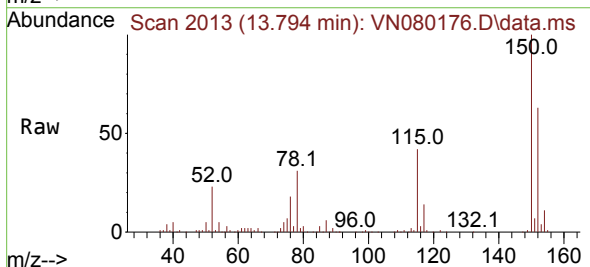
Tgt Ion:152 Resp: 150062

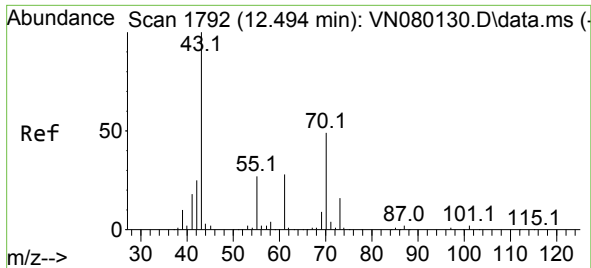
Ion Ratio Lower Upper

152 100

115 66.1 32.3 96.8

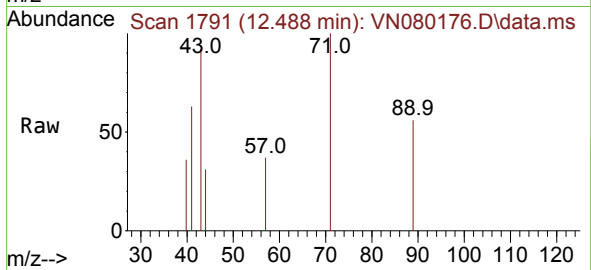
150 157.0 0.0 355.8



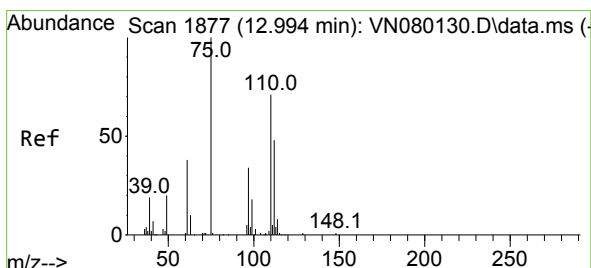
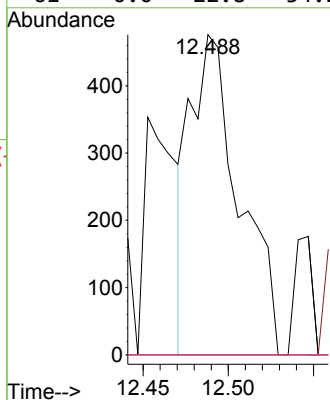
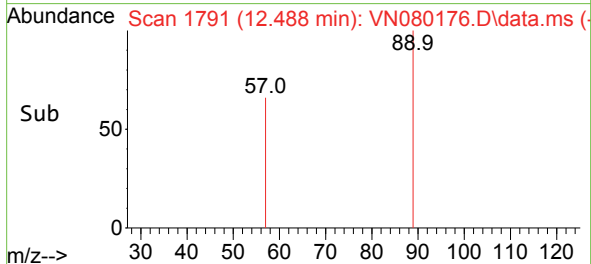


#74
N-amy1 acetate
Concen: 0.263 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Instrument :
MSVOA_N
ClientSampleId :

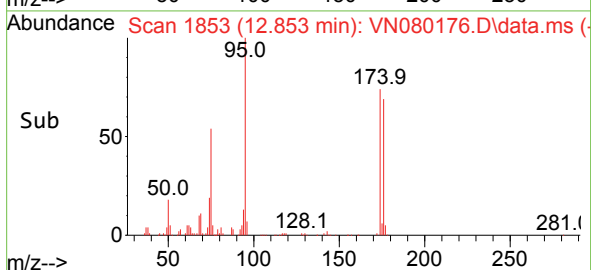
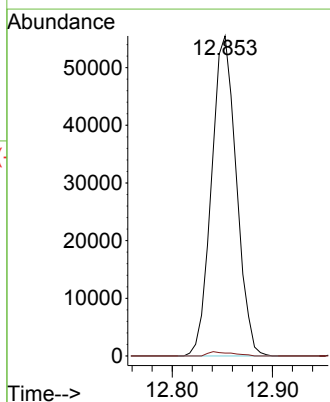
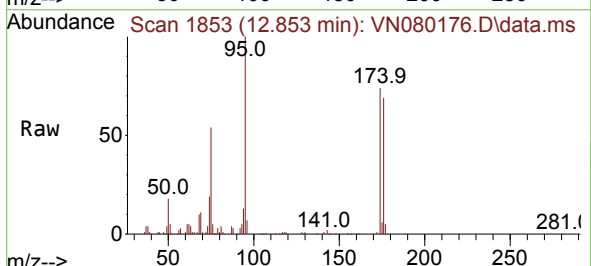


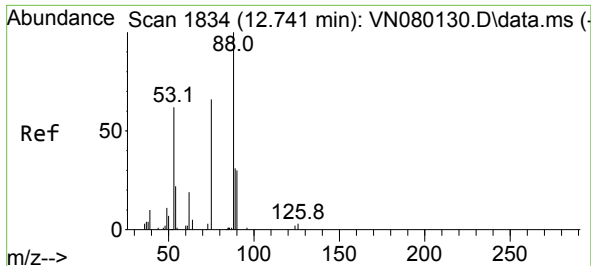
Tgt Ion: 43	Resp: 958
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 0.0	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 25.969 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Tgt Ion: 75	Resp: 95482
Ion Ratio	Lower Upper
75 100	
77 1.3	84.5 253.5#

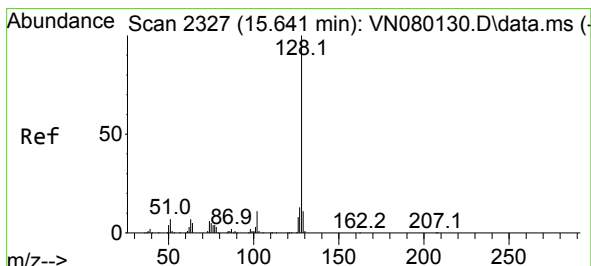
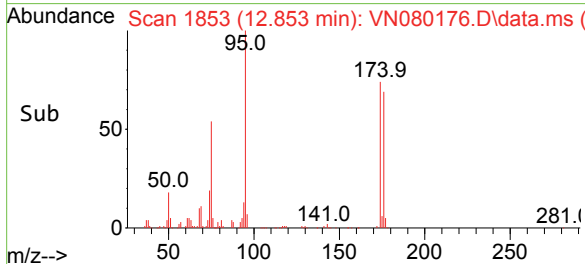
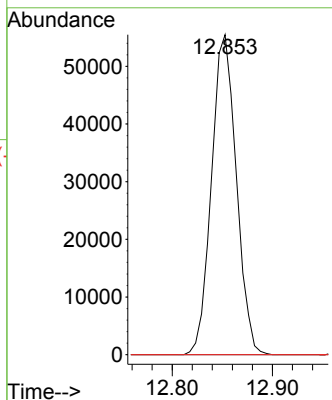
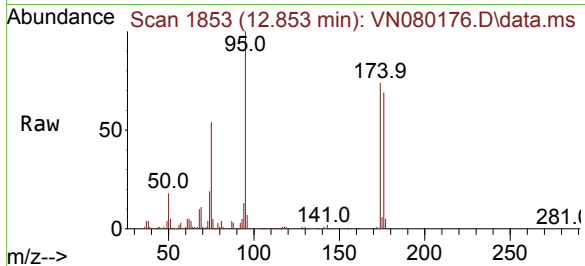




#81
trans-1,4-Dichloro-2-butene
Concen: 87.738 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 95482
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.002 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080176.D
Acq: 17 Nov 2023 20:27

Tgt Ion:128 Resp: 8569
Ion Ratio Lower Upper
128 100
127 15.4 10.0 15.0#
129 11.6 8.7 13.1

