

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120423\
 Data File : VN080334.D
 Acq On : 04 Dec 2023 13:35
 Operator : JC\MD
 Sample : PB157524ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 04:14:50 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)

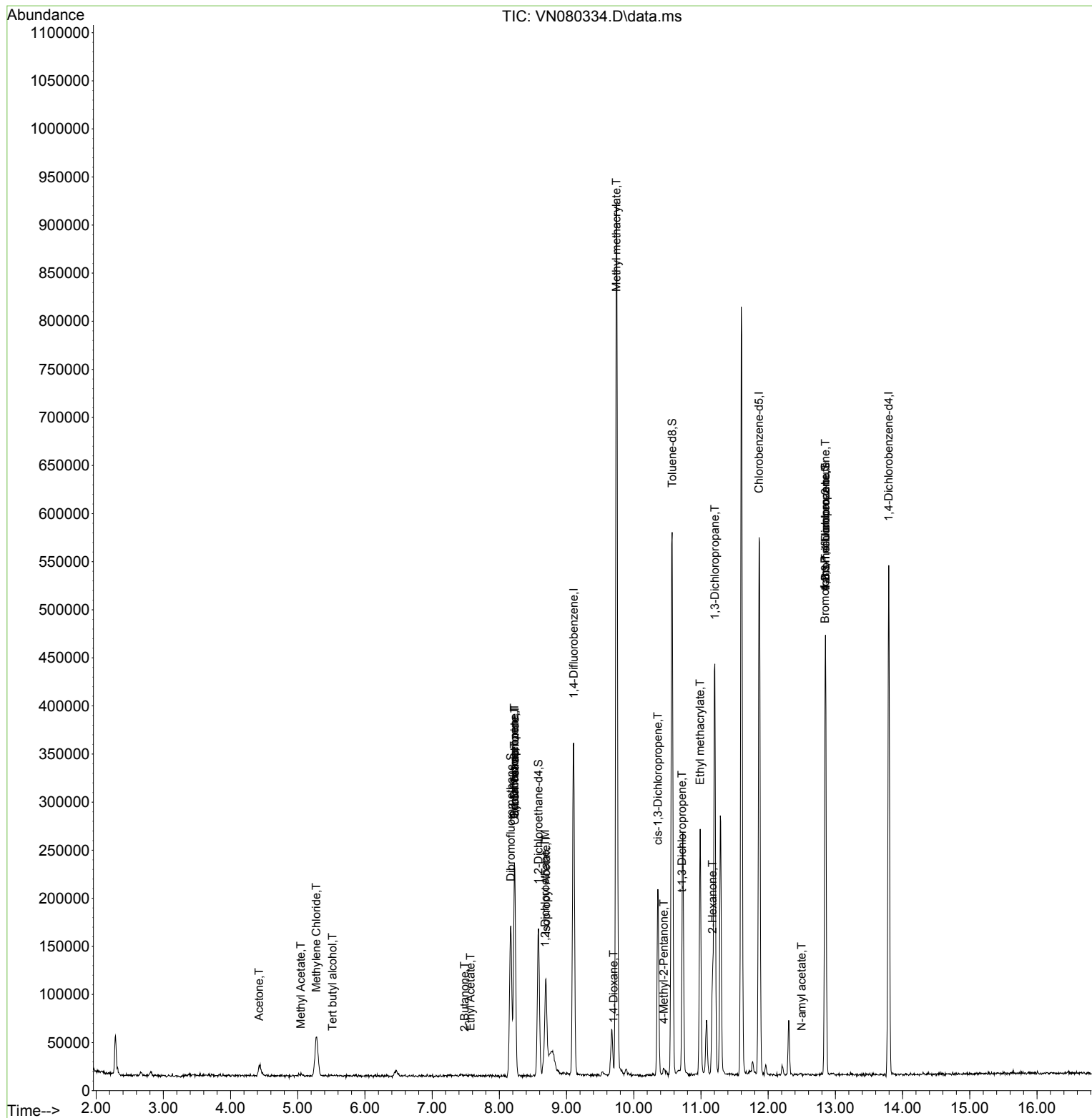
Internal Standards						
1) Pentafluorobenzene	8.224	168	151881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	139546	55.645	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.280%			
35) Dibromofluoromethane	8.171	113	110534	50.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	10.571	98	396590	50.727	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	12.853	95	153565	52.003	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.000%			
Target Compounds					Qvalue	
6) Chloroethane	3.165	64	158	Below Cal	#	43
11) Tert butyl alcohol	5.518	59	160	0.580	ug/l #	72
16) Acetone	4.424	43	20526	24.369	ug/l #	83
18) Methyl Acetate	5.047	43	3492	1.290	ug/l #	57
20) Methylene Chloride	5.277	84	35603	20.184	ug/l	93
25) 2-Butanone	7.483	43	618	0.618	ug/l	95
31) Cyclohexane	8.224	56	3637	1.334	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	12379	3.942	ug/l #	49
37) Ethyl Acetate	7.571	43	2197	1.009	ug/l #	67
38) Carbon Tetrachloride	8.230	117	16884	4.237	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1054	0.289	ug/l #	73
43) Isopropyl Acetate	8.694	43	124924	29.474	ug/l #	78
48) Methyl methacrylate	9.741	41	90108	41.254	ug/l #	29
49) 1,4-Dioxane	9.700	88	82	2.257	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	5251	2.393	ug/l	92
53) t-1,3-Dichloropropene	10.718	75	723	0.204	ug/l #	1
54) cis-1,3-Dichloropropene	10.359	75	37155	10.250	ug/l #	71
56) Ethyl methacrylate	10.988	69	1696	0.779	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4382	1.177	ug/l #	42
59) 2-Hexanone	11.171	43	74537	42.273	ug/l #	19
71) Bromoform	12.847	173	677	0.325	ug/l #	1
74) N-amyl acetate	12.500	43	696	0.211	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	89399	26.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	89399	90.748	ug/l #	15

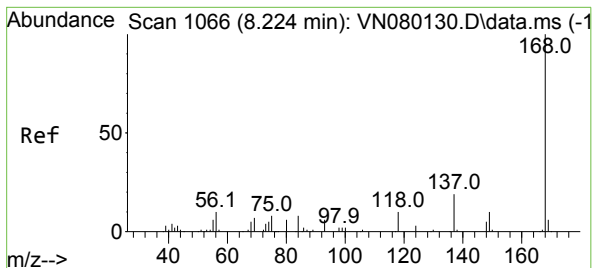
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080334.D

Acq: 04 Dec 2023 13:35

Instrument :

MSVOA_N

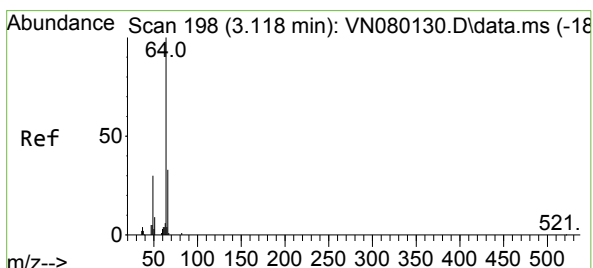
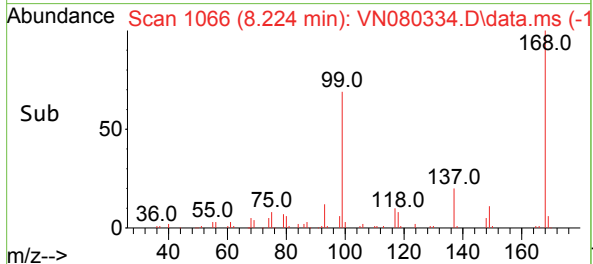
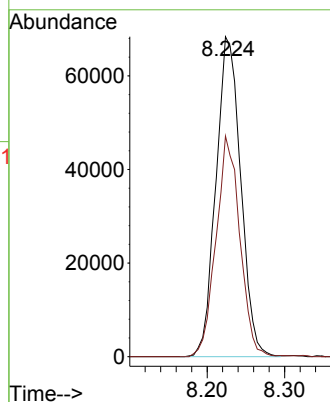
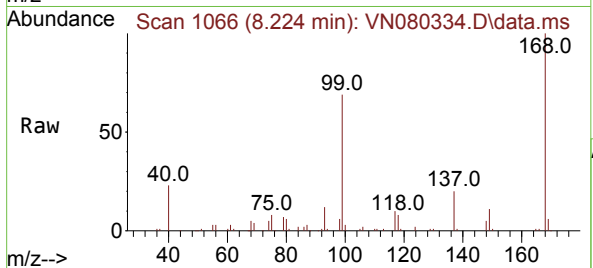
ClientSampleId :

Tgt Ion:168 Resp: 151881

Ion Ratio Lower Upper

168 100

99 68.9 53.0 79.6



#6

Chloroethane

Concen: Below Cal

RT: 3.165 min Scan# 206

Delta R.T. 0.047 min

Lab File: VN080334.D

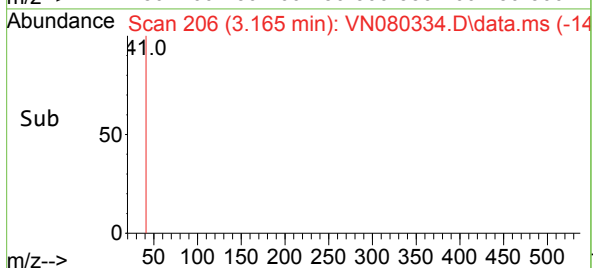
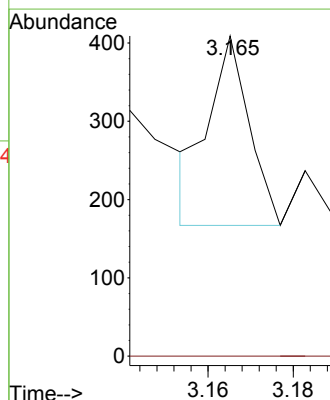
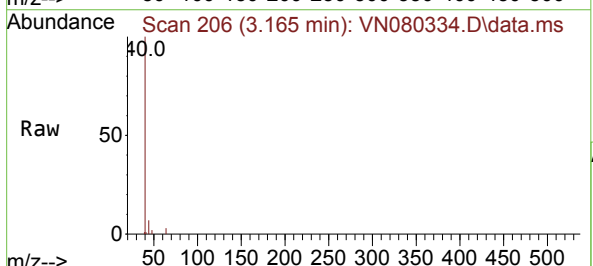
Acq: 04 Dec 2023 13:35

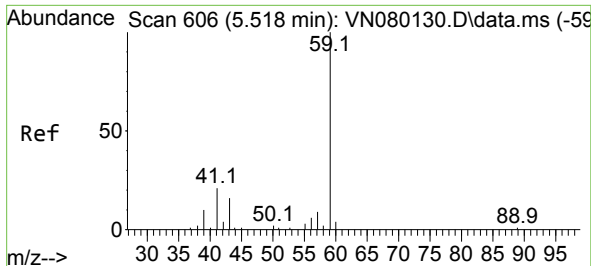
Tgt Ion: 64 Resp: 158

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

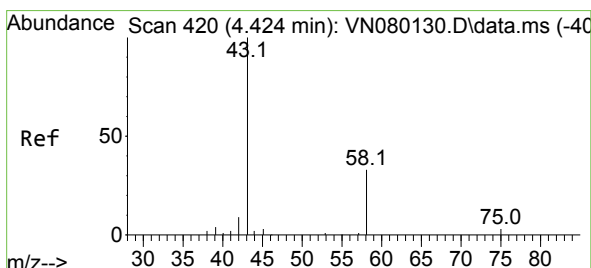
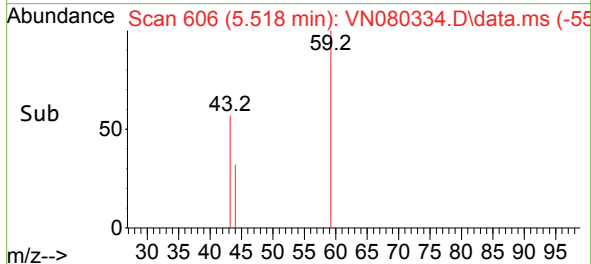
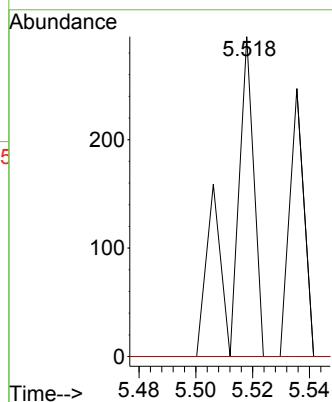
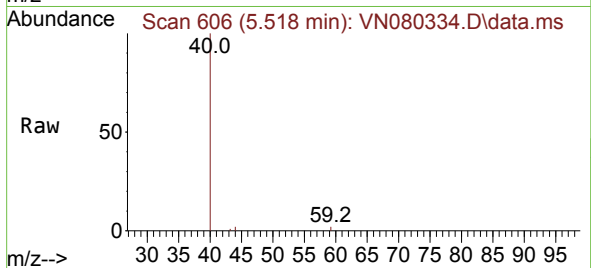




#11
Tert butyl alcohol
Concen: 0.580 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

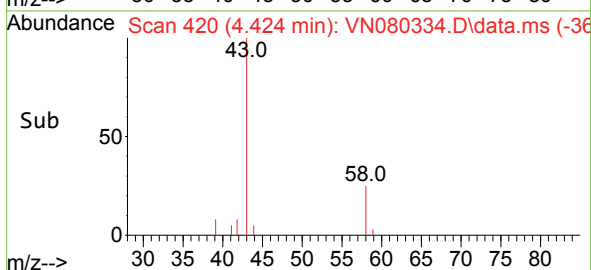
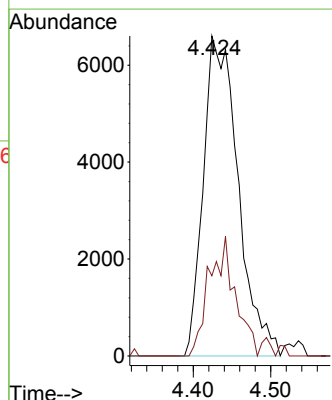
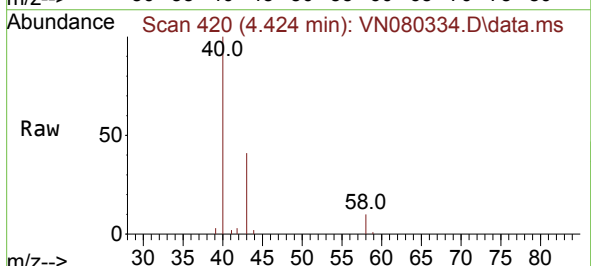
Instrument :
MSVOA_N
ClientSampleId :

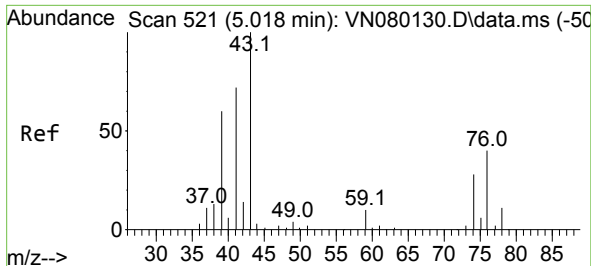
Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 24.369 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

Tgt Ion: 43 Resp: 20526
Ion Ratio Lower Upper
43 100
58 25.1 28.0 42.0#

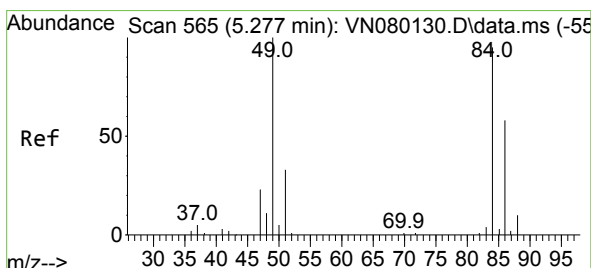
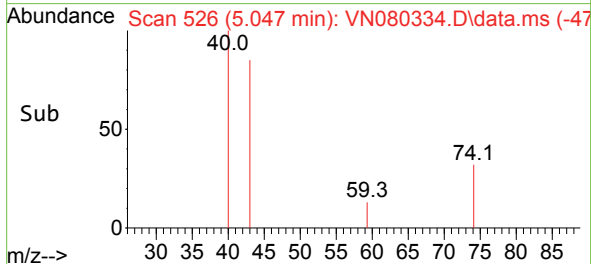
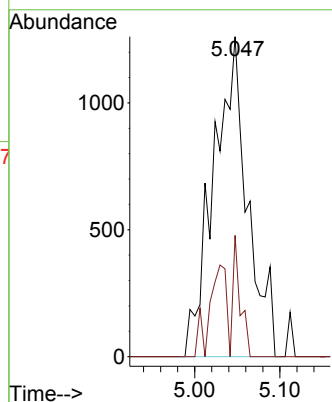
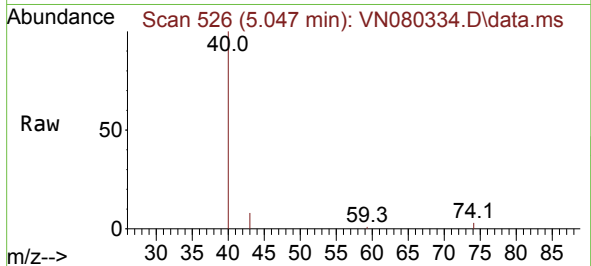




#18
Methyl Acetate
Concen: 1.290 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

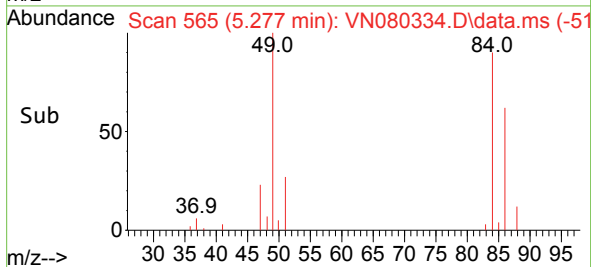
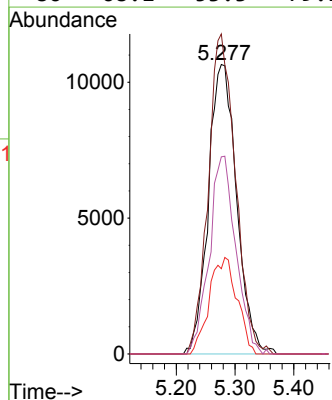
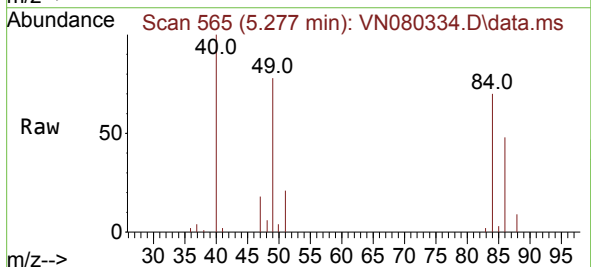
Instrument :
MSVOA_N
ClientSampleId :

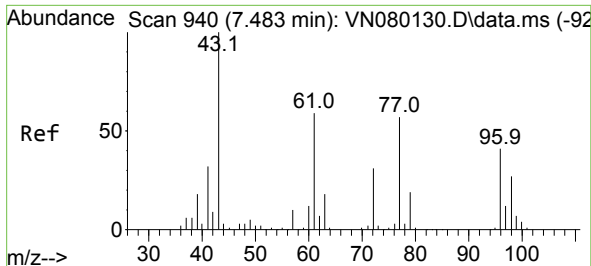
Tgt Ion: 43 Resp: 3492
Ion Ratio Lower Upper
43 100
74 8.3 26.2 39.4#



#20
Methylene Chloride
Concen: 20.184 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

Tgt Ion: 84 Resp: 35603
Ion Ratio Lower Upper
84 100
49 110.6 79.7 119.5
51 29.5 25.2 37.8
86 68.1 53.3 79.9

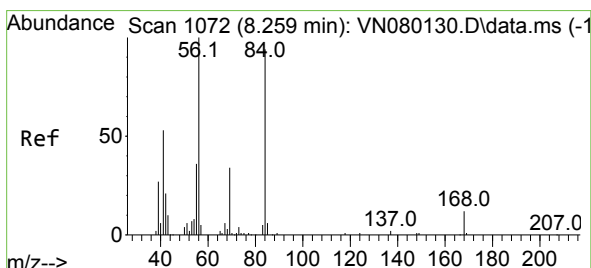
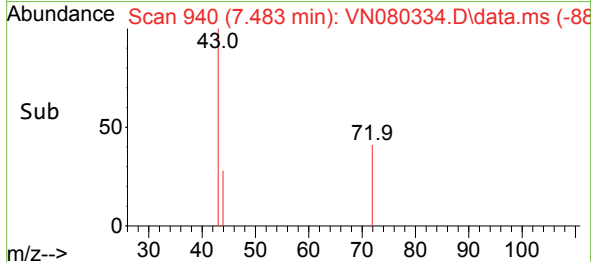
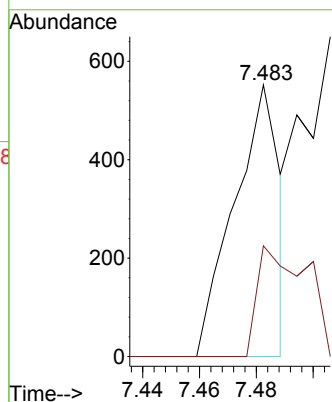
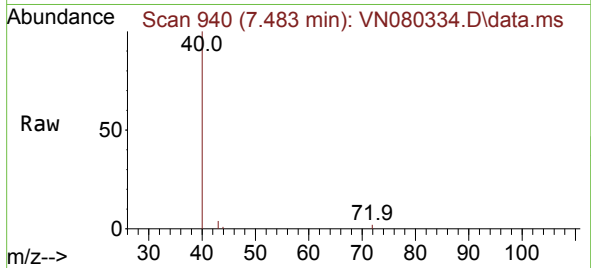




#25
2-Butanone
Concen: 0.618 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

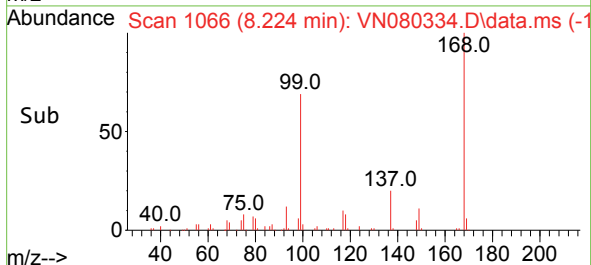
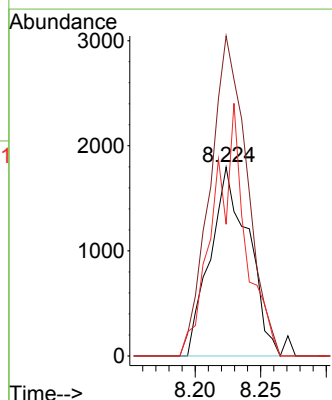
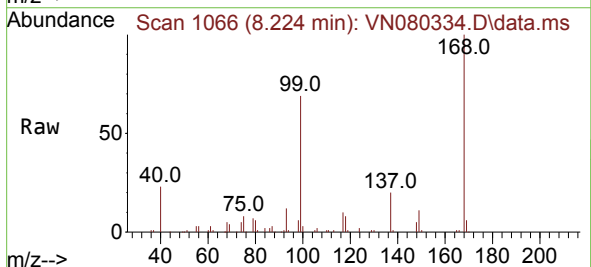
Instrument :
MSVOA_N
ClientSampleId :

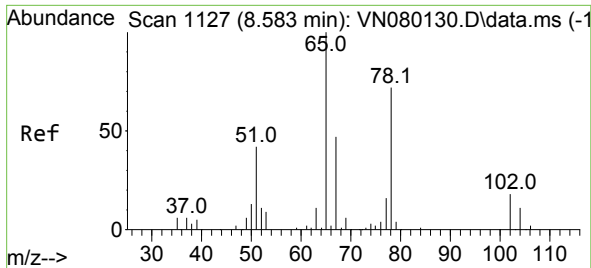
Tgt Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
72 40.8 30.2 45.2



#31
Cyclohexane
Concen: 1.334 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

Tgt Ion: 56 Resp: 3637
Ion Ratio Lower Upper
56 100
69 169.5 26.8 40.2#
84 69.8 81.8 122.6#

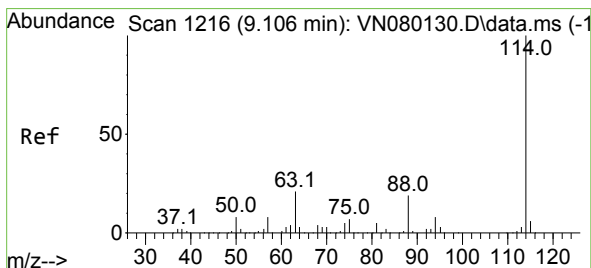
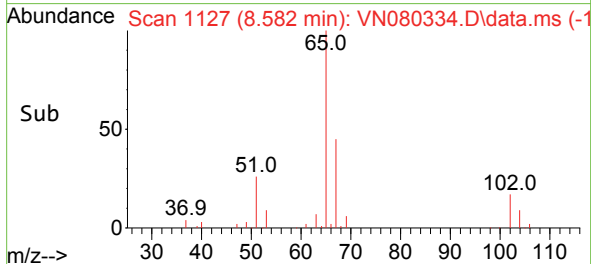
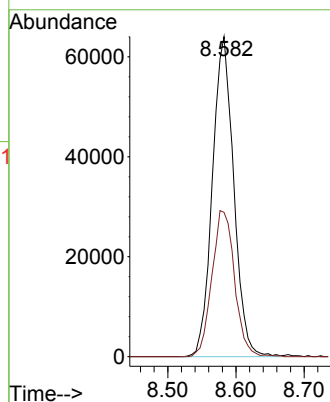
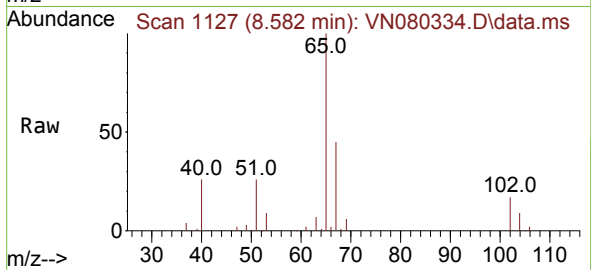




#33
 1,2-Dichloroethane-d4
 Concen: 55.645 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VN080334.D
 Acq: 04 Dec 2023 13:35

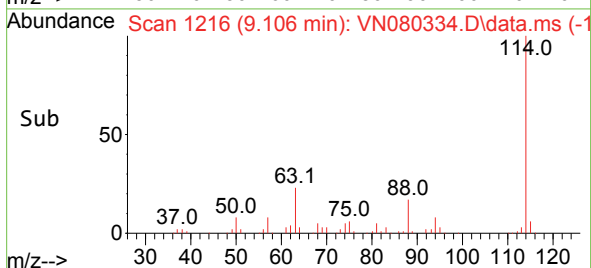
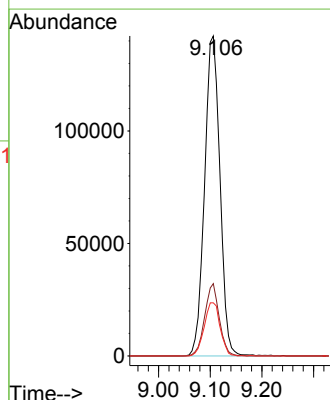
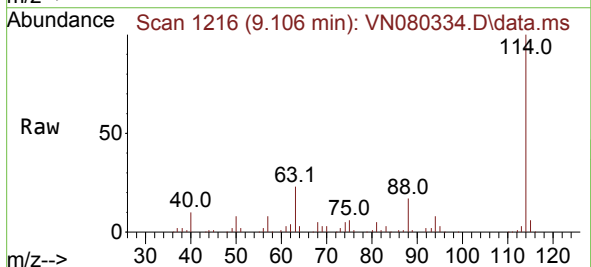
Instrument :
 MSVOA_N
 ClientSampleId :

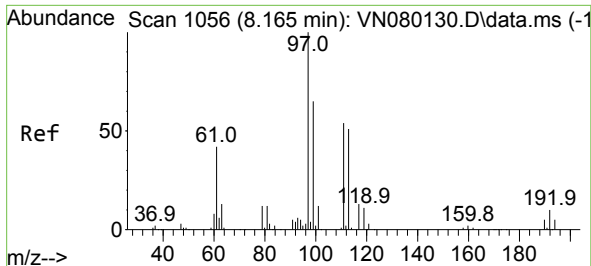
Tgt Ion: 65 Resp: 139546
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN080334.D
 Acq: 04 Dec 2023 13:35

Tgt Ion:114 Resp: 293928
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 36.4
 88 16.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.965 ug/l

RT: 8.171 min Scan# 110534

Delta R.T. 0.006 min

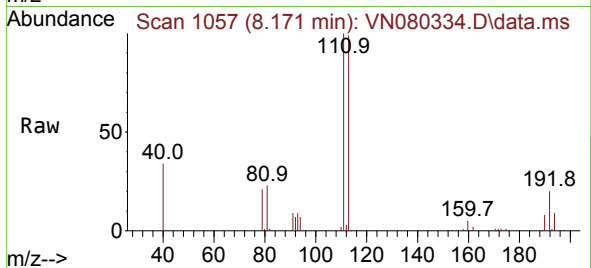
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Acq: 04 Dec 2023 13:35

Instrument :

MSVOA_N

ClientSampleId :



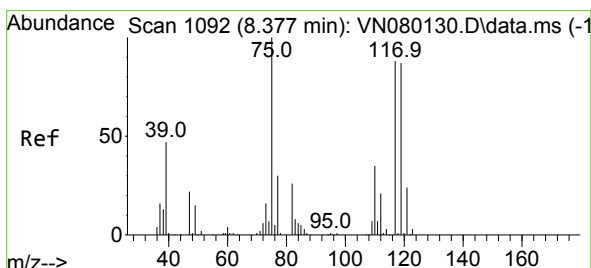
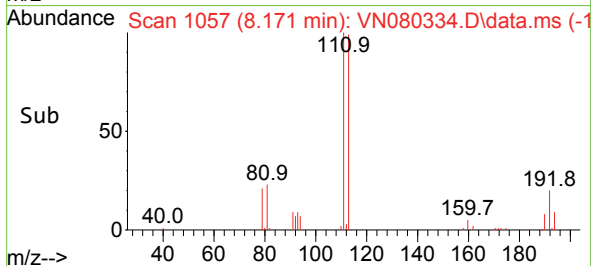
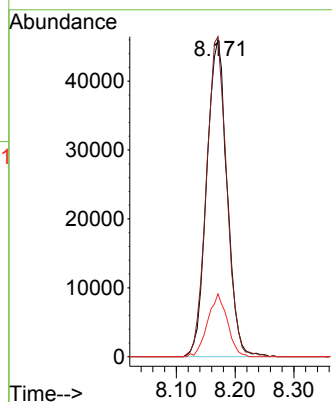
Tgt Ion:113 Resp: 110534

Ion Ratio Lower Upper

113 100

111 100.7 82.6 123.8

192 19.2 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 3.942 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN080334.D

Acq: 04 Dec 2023 13:35

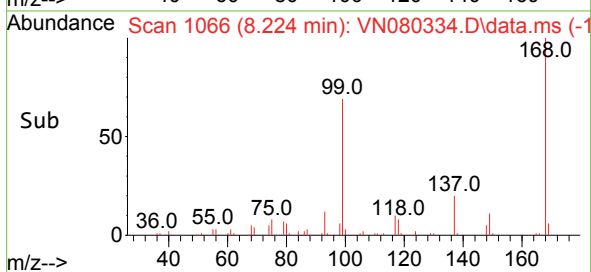
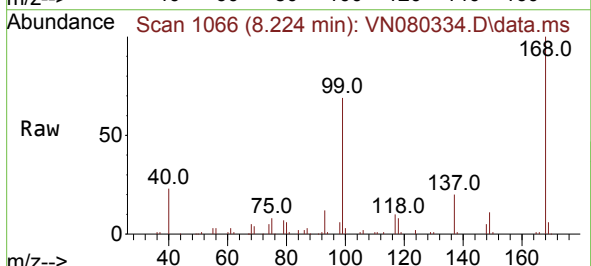
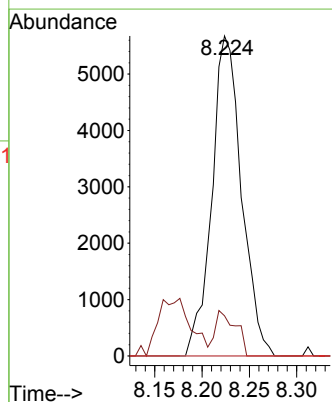
Tgt Ion: 75 Resp: 12379

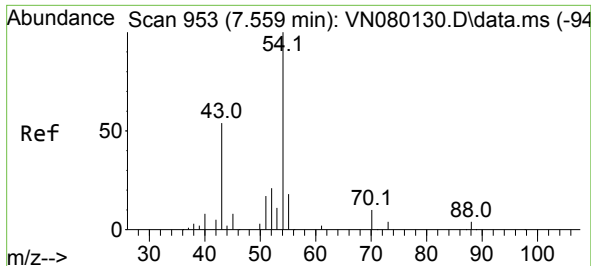
Ion Ratio Lower Upper

75 100

110 9.9 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.009 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

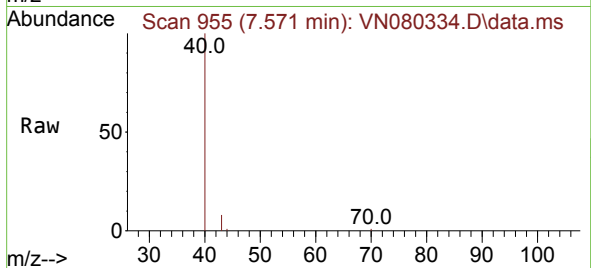
Lab File: VN080334.D

Acq: 04 Dec 2023 13:35

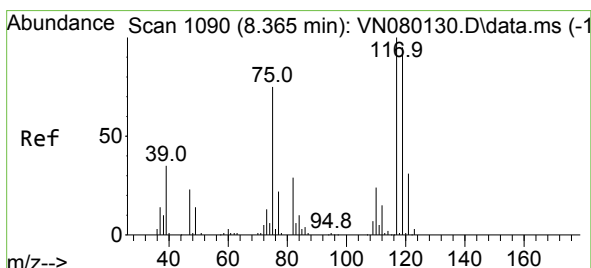
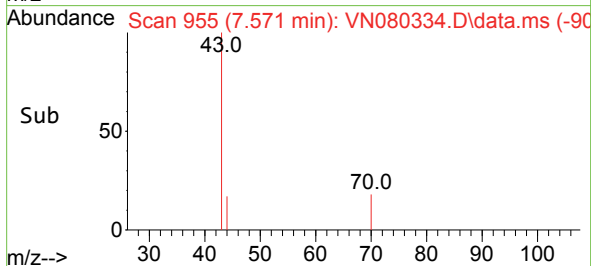
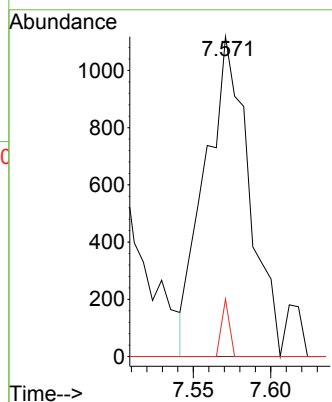
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 2197
Ion Ratio	Lower Upper
43	100
61	0.0 13.2 19.8#
70	3.2 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.237 ug/l

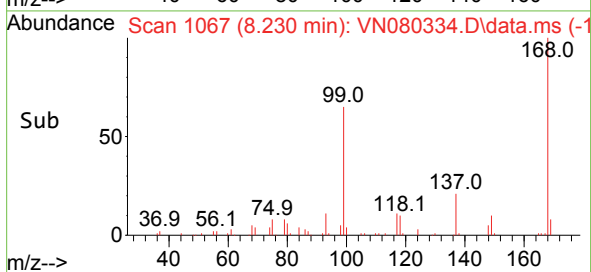
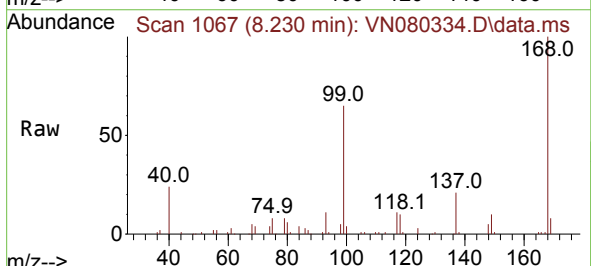
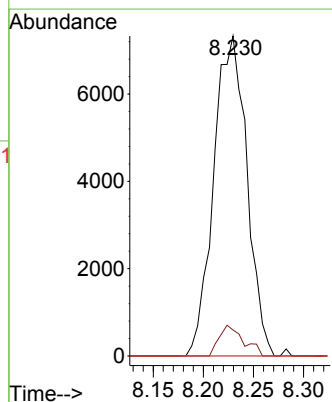
RT: 8.230 min Scan# 1067

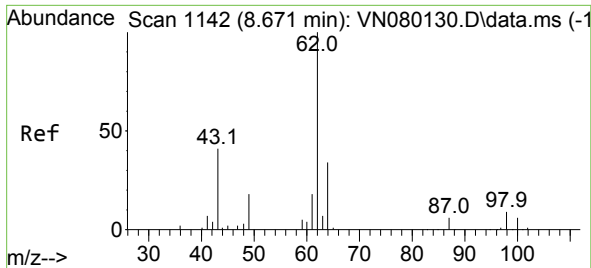
Delta R.T. -0.135 min

Lab File: VN080334.D

Acq: 04 Dec 2023 13:35

Tgt Ion: 117	Resp: 16884
Ion Ratio	Lower Upper
117	100
119	8.1 77.3 115.9#
121	0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.289 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080334.D

Acq: 04 Dec 2023 13:35

Instrument :

MSVOA_N

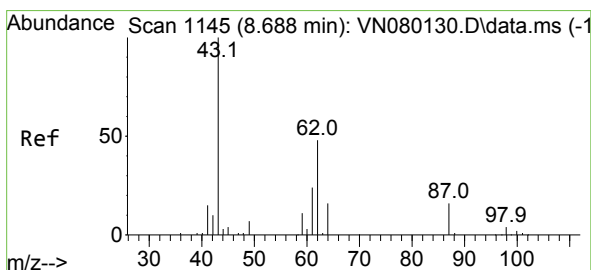
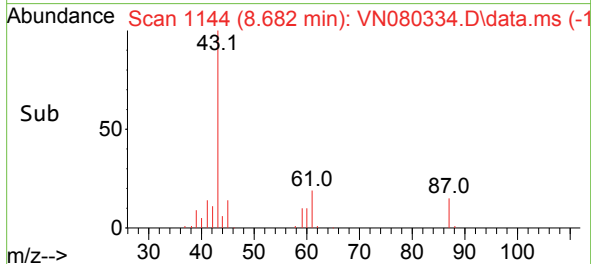
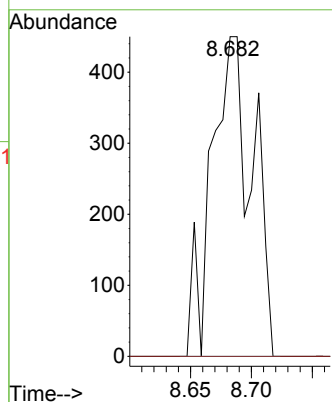
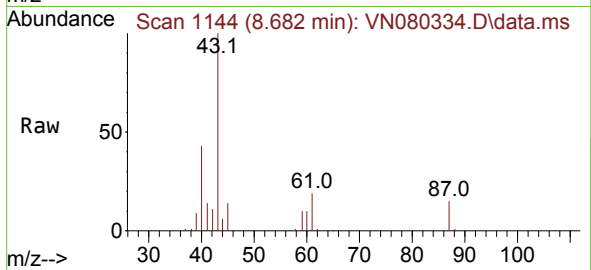
ClientSampleId :

Tgt Ion: 62 Resp: 1054

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 29.474 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080334.D

Acq: 04 Dec 2023 13:35

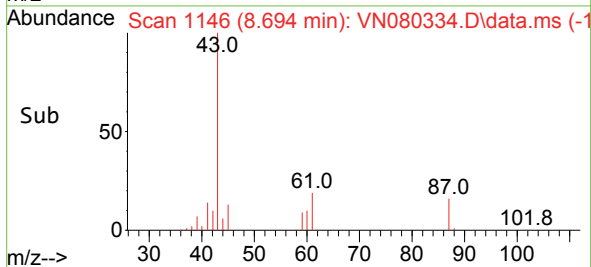
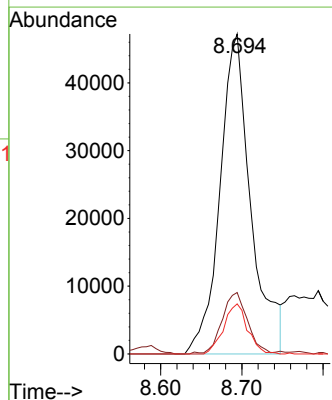
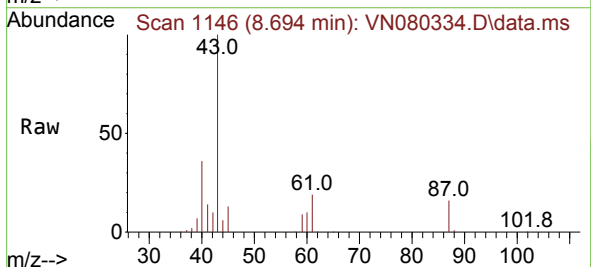
Tgt Ion: 43 Resp: 124924

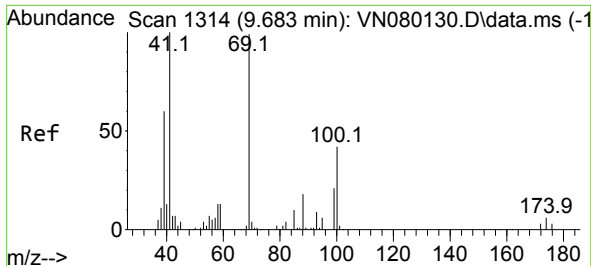
Ion Ratio Lower Upper

43 100

61 15.9 24.7 37.1#

87 12.1 14.6 21.8#





#48

Methyl methacrylate

Concen: 41.254 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

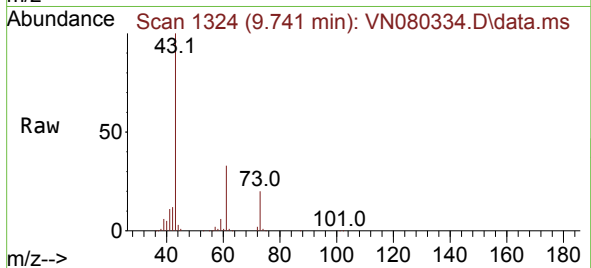
Lab File: VN080334.D

Acq: 04 Dec 2023 13:35

Instrument :

MSVOA_N

ClientSampleId :



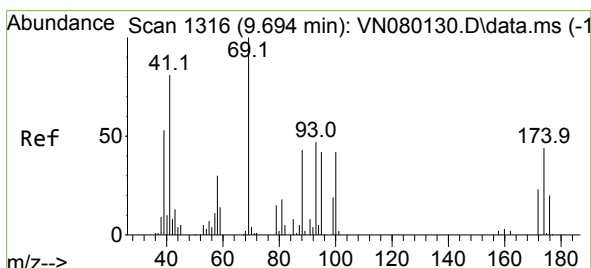
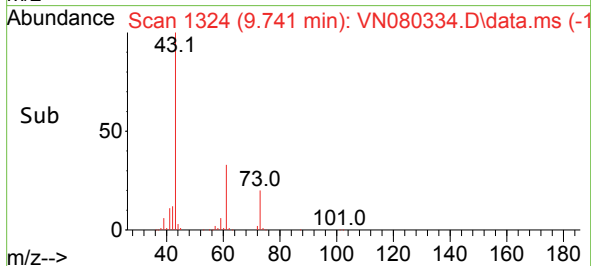
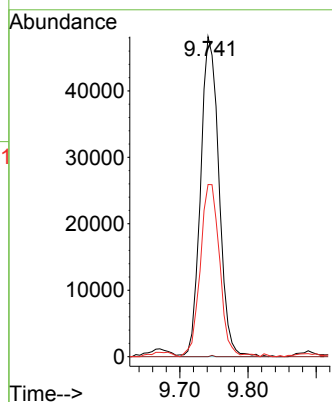
Tgt Ion: 41 Resp: 90108

Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 56.7 54.6 81.8



#49

1,4-Dioxane

Concen: 2.257 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN080334.D

Acq: 04 Dec 2023 13:35

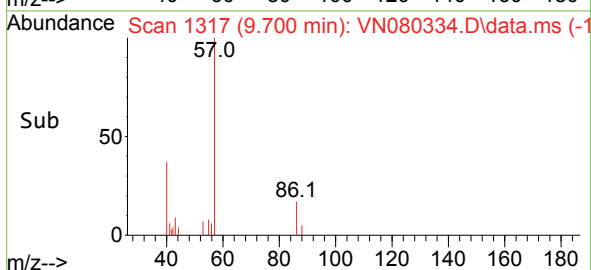
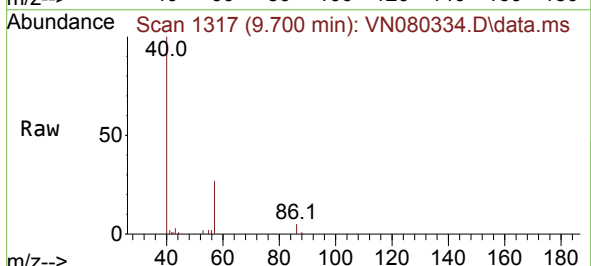
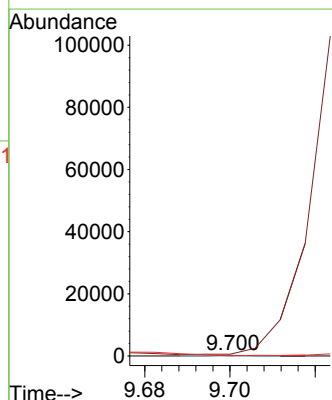
Tgt Ion: 88 Resp: 82

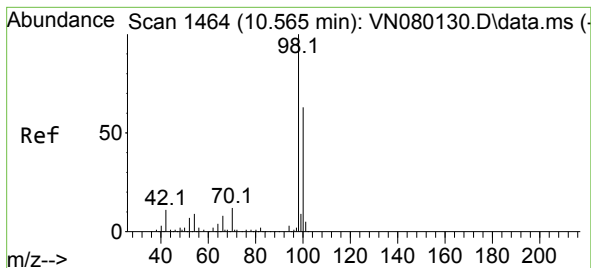
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#





#50

Toluene-d8

Concen: 50.727 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080334.D

Acq: 04 Dec 2023 13:35

Instrument :

MSVOA_N

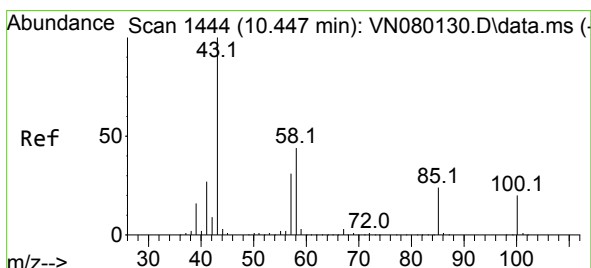
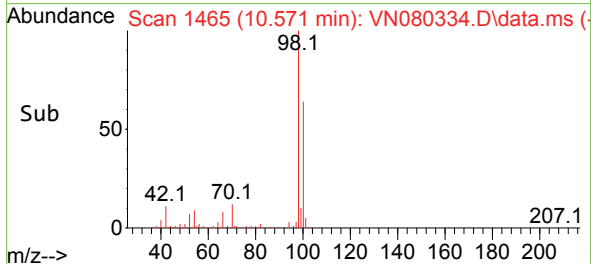
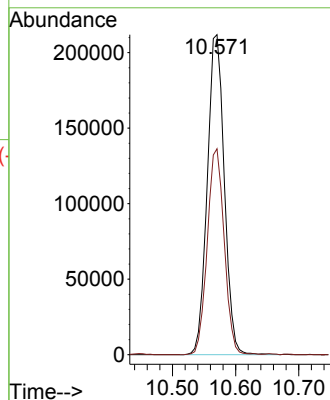
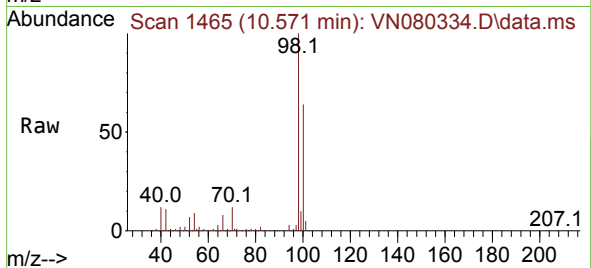
ClientSampleId :

Tgt Ion: 98 Resp: 396590

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 2.393 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN080334.D

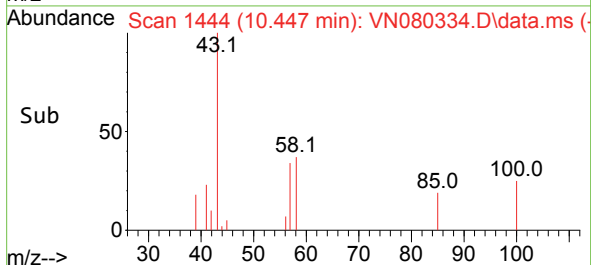
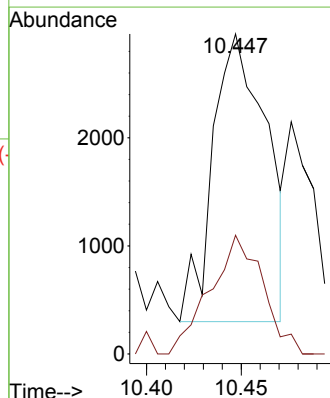
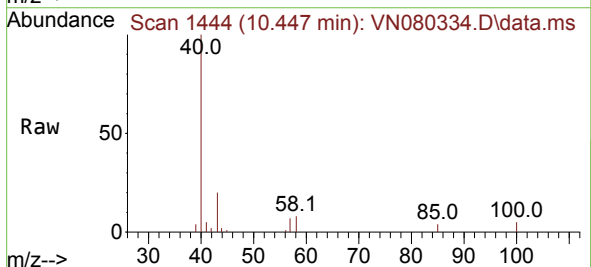
Acq: 04 Dec 2023 13:35

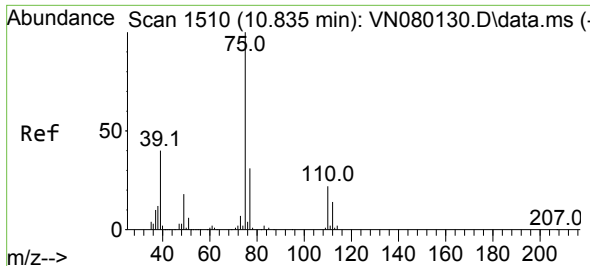
Tgt Ion: 43 Resp: 5251

Ion Ratio Lower Upper

43 100

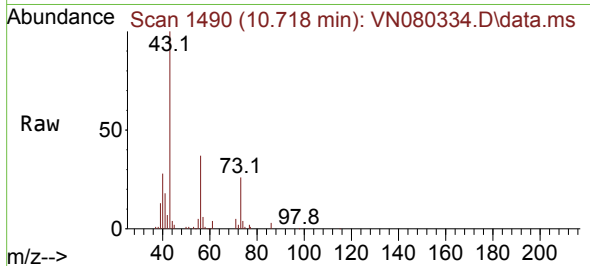
58 40.4 36.6 54.8



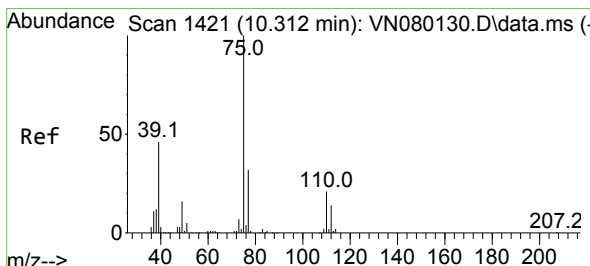
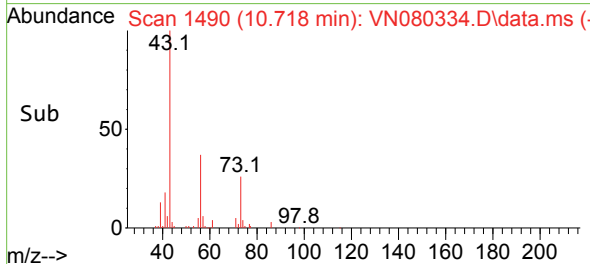
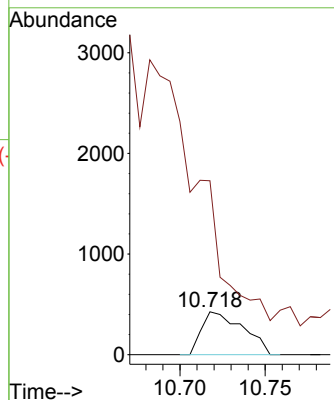


#53
t-1,3-Dichloropropene
Concen: 0.204 ug/l
RT: 10.718 min Scan# 1490
Delta R.T. -0.118 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :

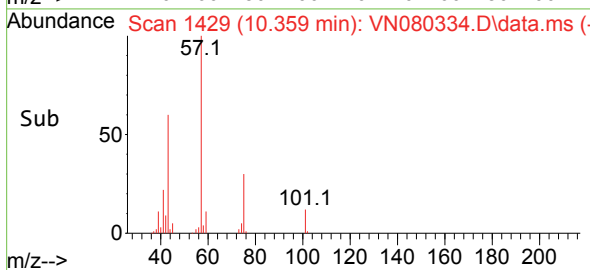
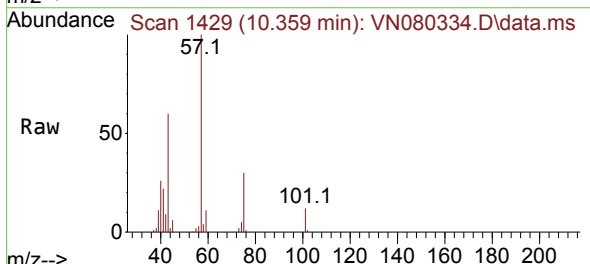
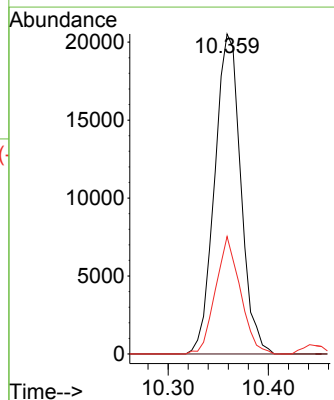


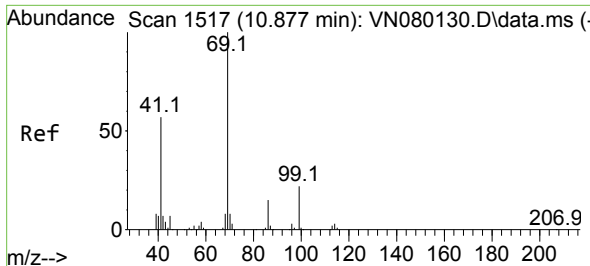
Tgt Ion: 75 Resp: 723
Ion Ratio Lower Upper
75 100
77 300.9 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 10.250 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

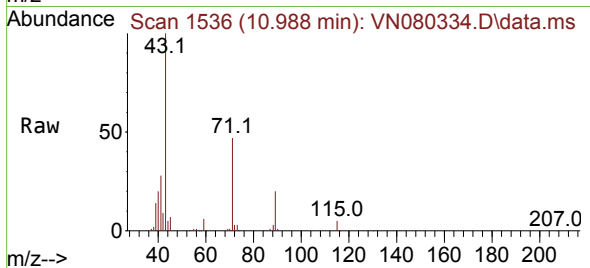
Tgt Ion: 75 Resp: 37155
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 36.7 31.6 47.4



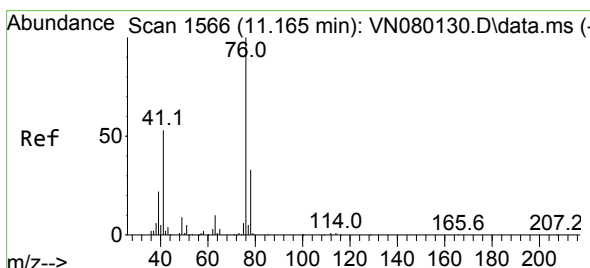
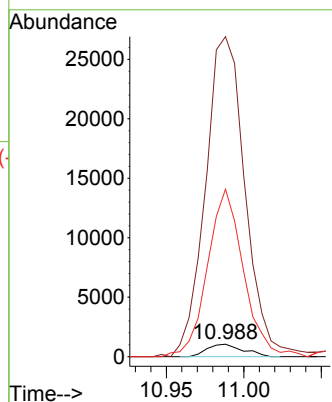
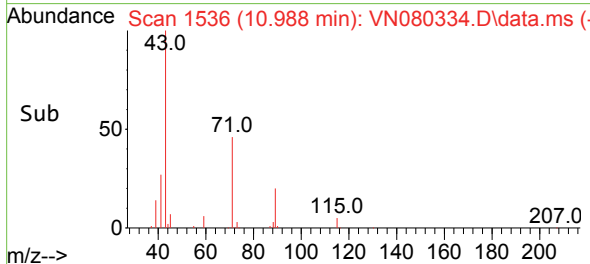


#56
Ethyl methacrylate
Concen: 0.779 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :

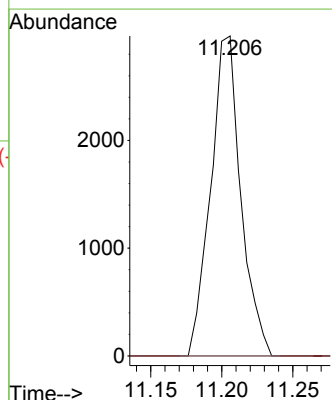
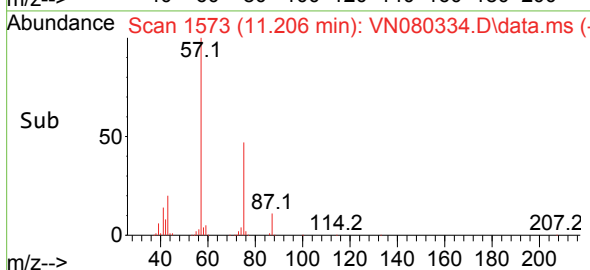
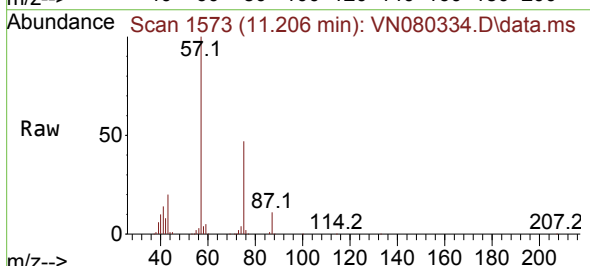


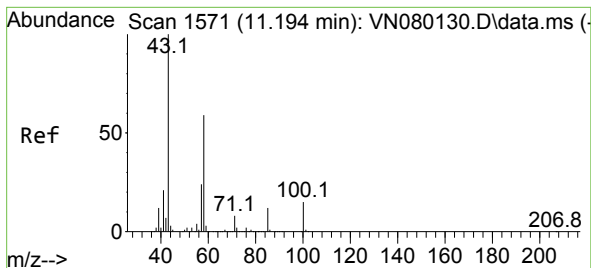
Tgt Ion: 69 Resp: 1696
Ion Ratio Lower Upper
69 100
41 2828.6 39.6 59.4#
39 1340.9 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.177 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

Tgt Ion: 76 Resp: 4382
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

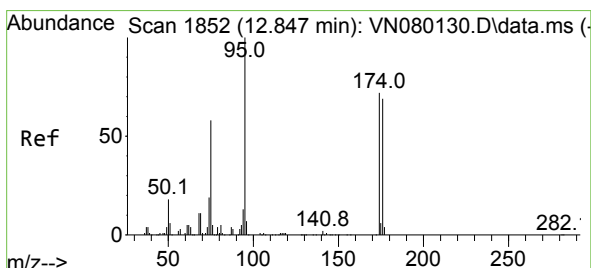
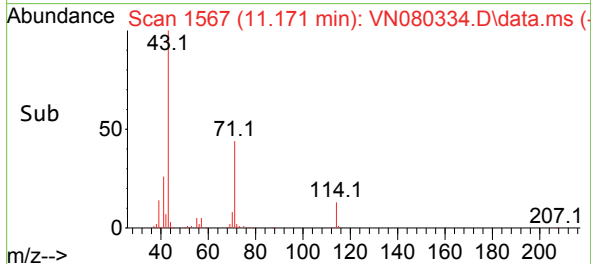
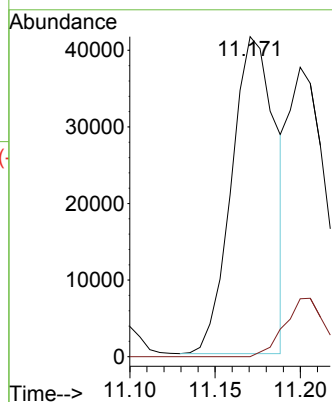
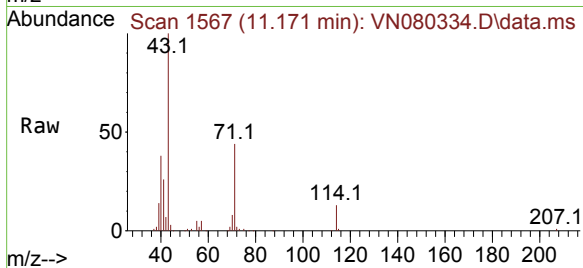




#59
2-Hexanone
Concen: 42.273 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

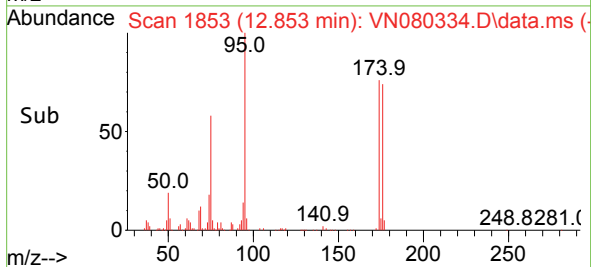
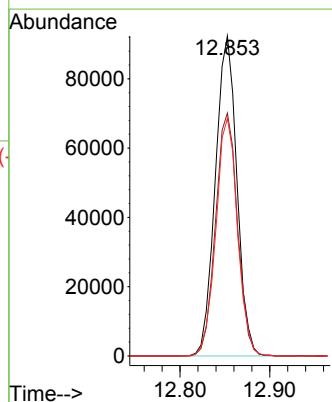
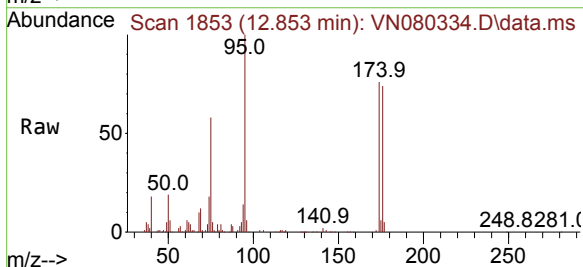
Instrument :
MSVOA_N
ClientSampleId :

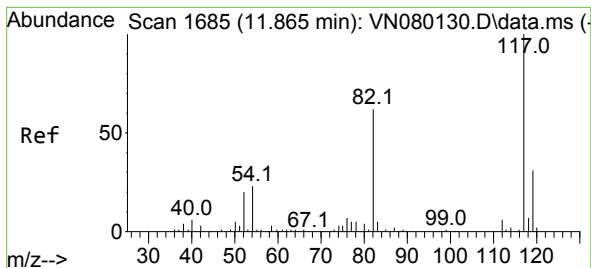
Tgt Ion: 43 Resp: 74537
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.003 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

Tgt Ion: 95 Resp: 153565
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.8
176 74.4 0.0 135.8

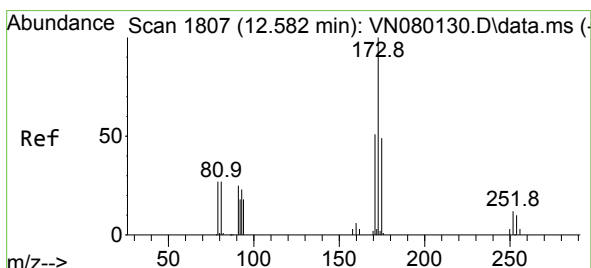
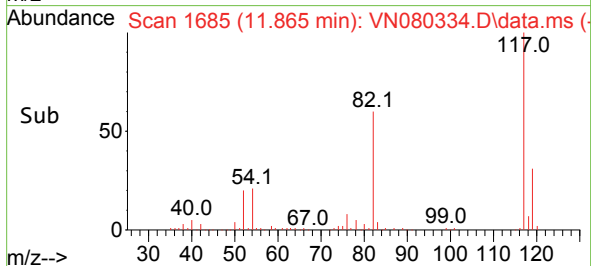
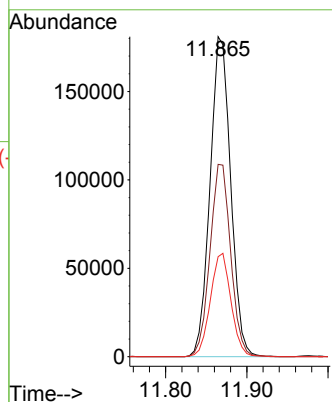
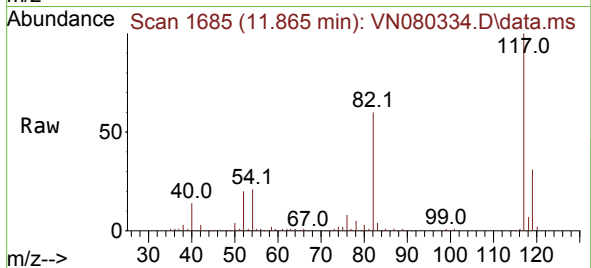




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

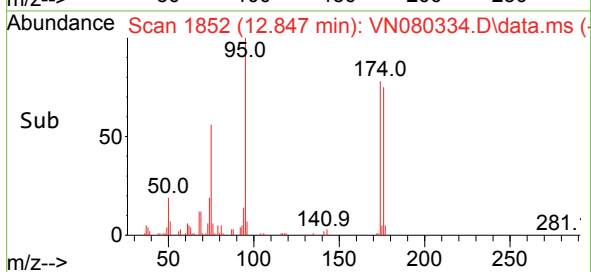
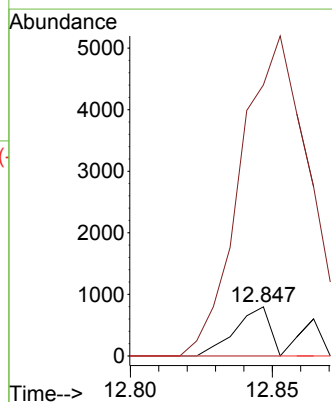
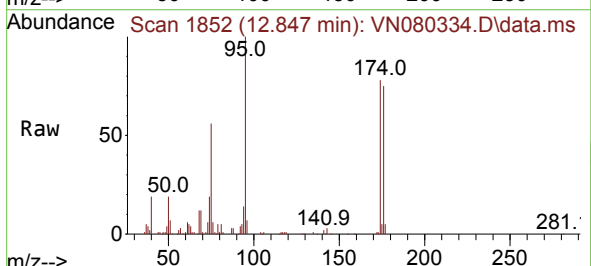
Instrument :
MSVOA_N
ClientSampleId :

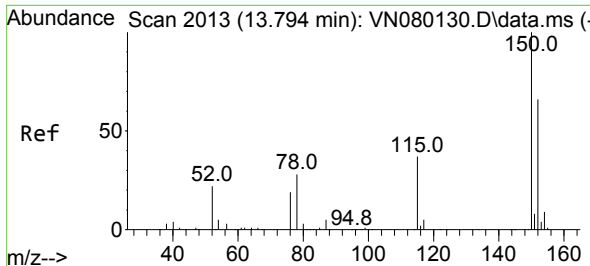
Tgt Ion:117 Resp: 319276
Ion Ratio Lower Upper
117 100
82 60.1 44.0 66.0
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.325 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

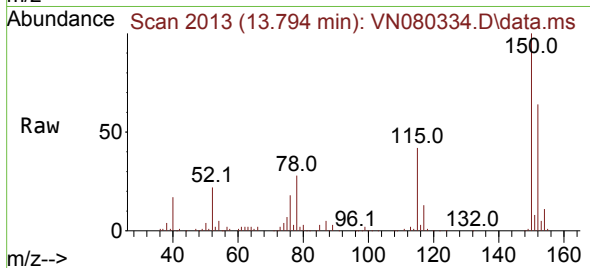
Tgt Ion:173 Resp: 677
Ion Ratio Lower Upper
173 100
175 1059.2 24.3 73.0#
254 0.0 0.0 0.0



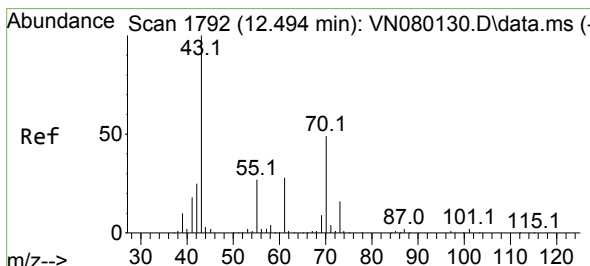
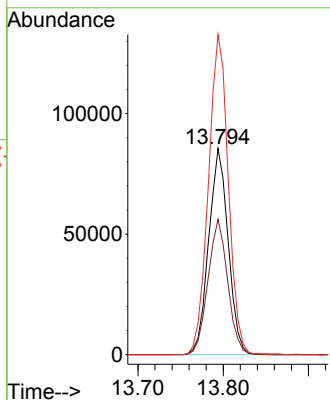
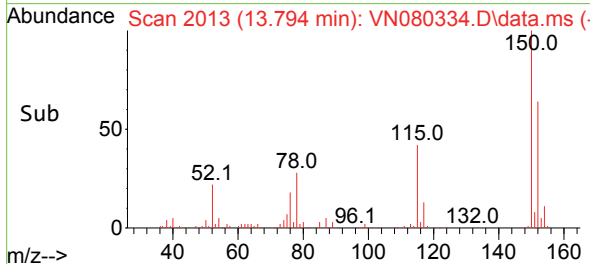


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080334.D
 Acq: 04 Dec 2023 13:35

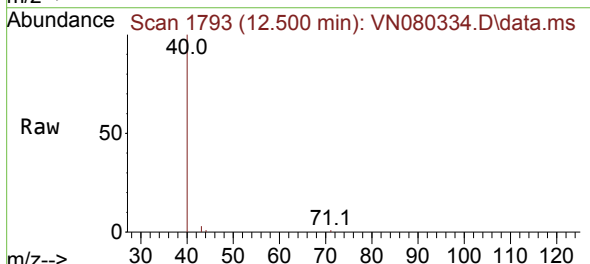
Instrument :
 MSVOA_N
 ClientSampleId :



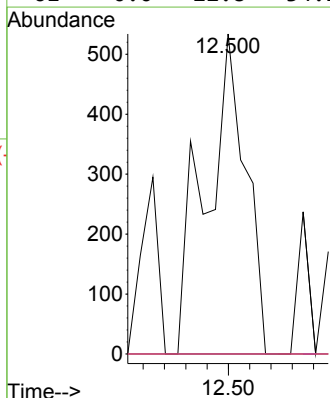
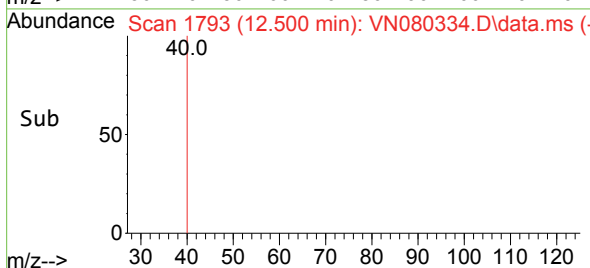
Tgt Ion:152 Resp: 135842
 Ion Ratio Lower Upper
 152 100
 115 66.4 32.3 96.8
 150 158.4 0.0 355.8

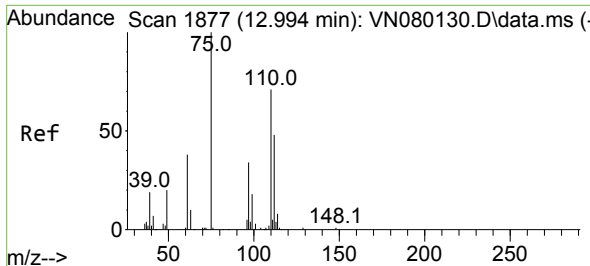


#74
 N-ethyl acetate
 Concen: 0.211 ug/l
 RT: 12.500 min Scan# 1793
 Delta R.T. 0.006 min
 Lab File: VN080334.D
 Acq: 04 Dec 2023 13:35



Tgt Ion: 43 Resp: 696
 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#

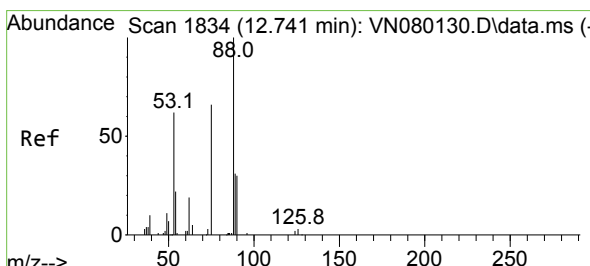
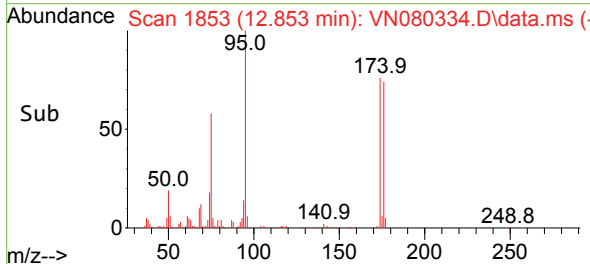
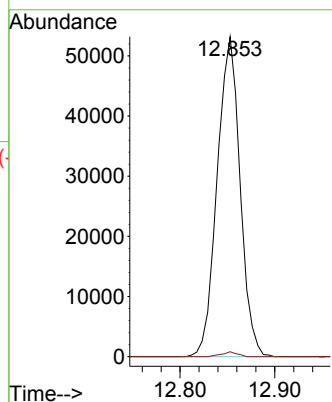
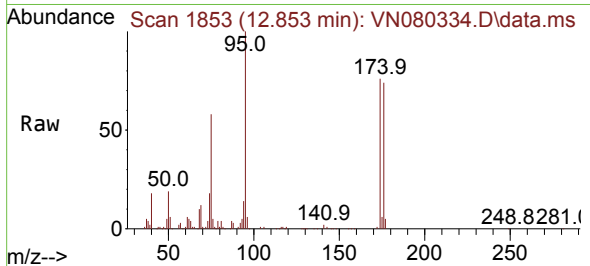




#76
1,2,3-Trichloropropane
Concen: 26.860 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 89399
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.748 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080334.D
Acq: 04 Dec 2023 13:35

Tgt Ion: 75 Resp: 89399
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

