

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120423\
 Data File : VN080336.D
 Acq On : 04 Dec 2023 14:22
 Operator : JC\MD
 Sample : PB157524ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 04:15:44 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

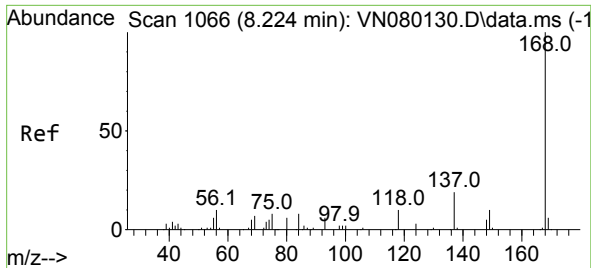
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	153610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	303281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	315893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	139949	55.177	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.360%			
35) Dibromofluoromethane	8.171	113	110809	49.517	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.040%			
50) Toluene-d8	10.570	98	397955	49.332	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.853	95	152789	50.144	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.280%			
Target Compounds					Qvalue	
6) Chloroethane	3.100	64	160	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	2590	9.286	ug/l #	85
16) Acetone	4.430	43	17399	20.424	ug/l #	83
18) Methyl Acetate	5.012	43	943	0.345	ug/l #	42
20) Methylene Chloride	5.283	84	11540	6.469	ug/l	95
25) 2-Butanone	7.494	43	16210	16.015	ug/l	92
29) Tetrahydrofuran	7.847	42	373	0.686	ug/l #	42
31) Cyclohexane	8.229	56	3172	1.150	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	13143	4.057	ug/l #	47
37) Ethyl Acetate	7.571	43	1933	0.860	ug/l #	67
38) Carbon Tetrachloride	8.224	117	19226	4.676	ug/l #	14
42) 1,2-Dichloroethane	8.688	62	845	0.224	ug/l #	73
43) Isopropyl Acetate	8.694	43	146721	33.550	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	1208	0.565	ug/l #	45
48) Methyl methacrylate	9.665	41	4687	2.080	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	7792	3.442	ug/l #	67
52) Toluene	10.629	92	1489	0.258	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	39106	10.456	ug/l #	68
56) Ethyl methacrylate	10.988	69	1691	0.753	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4894	1.274	ug/l #	42
59) 2-Hexanone	11.206	43	64907	35.676	ug/l #	53
71) Bromoform	12.853	173	948	0.460	ug/l #	1
74) N-amyl acetate	12.470	43	2982	0.939	ug/l #	44
76) 1,2,3-Trichloropropane	12.853	75	86168	26.844	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	86168	90.695	ug/l #	15

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

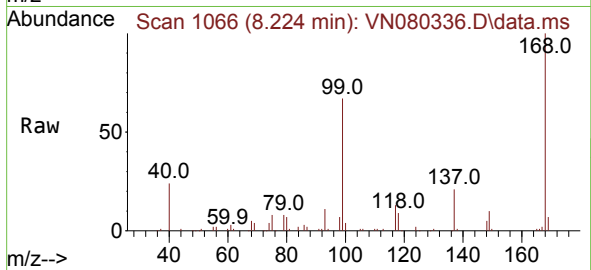
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



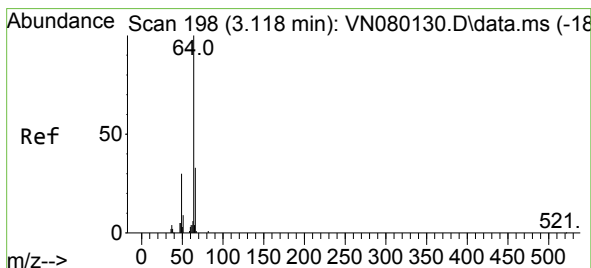
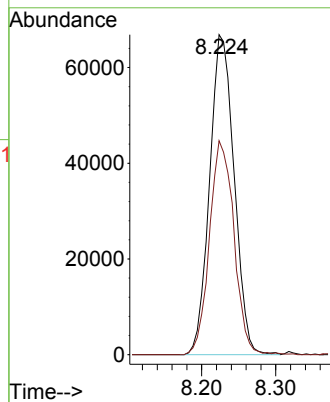
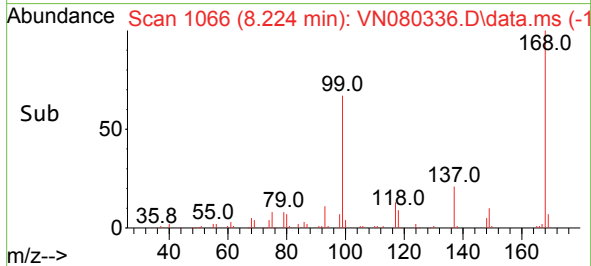


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

Instrument :
MSVOA_N
ClientSampleId :

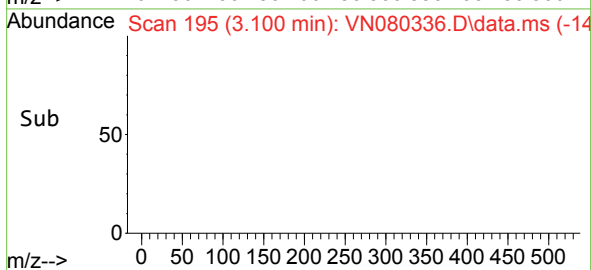
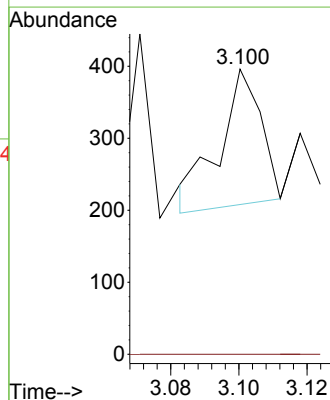
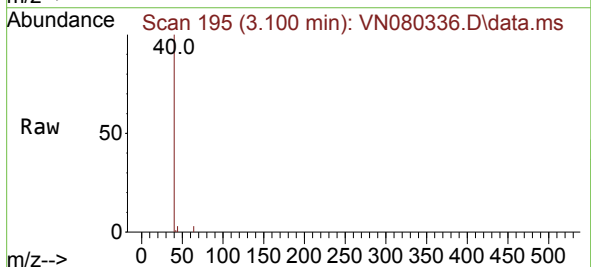


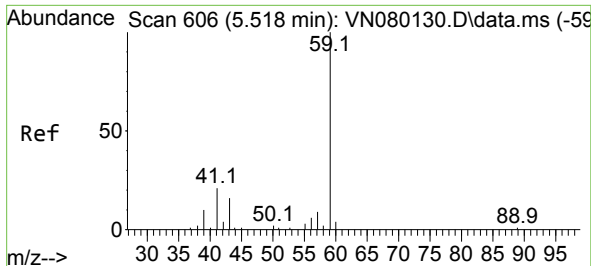
Tgt Ion:168 Resp: 153610
Ion Ratio Lower Upper
168 100
99 66.9 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

Tgt Ion: 64 Resp: 160
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

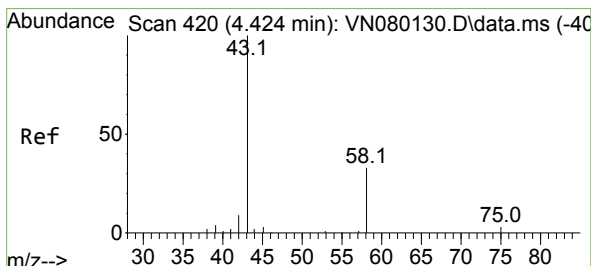
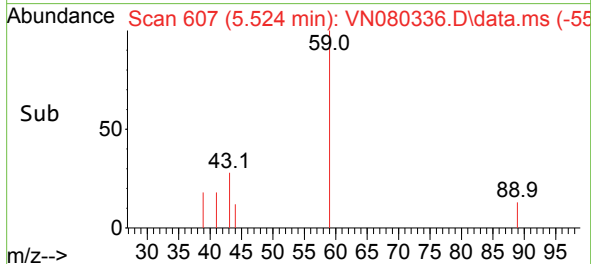
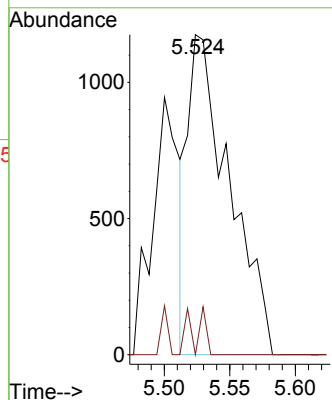
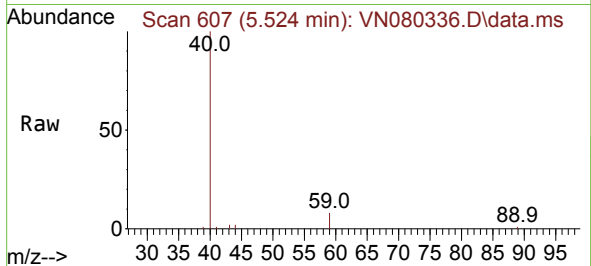




#11
Tert butyl alcohol
Concen: 9.286 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

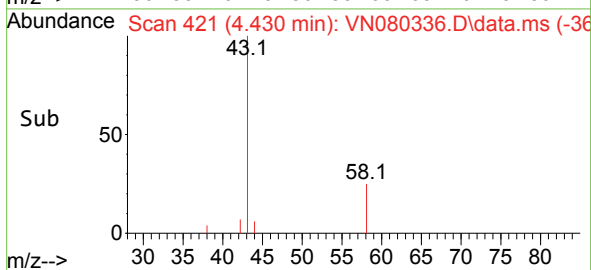
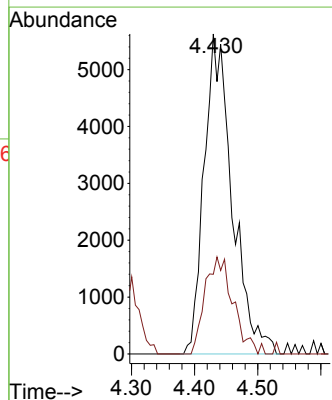
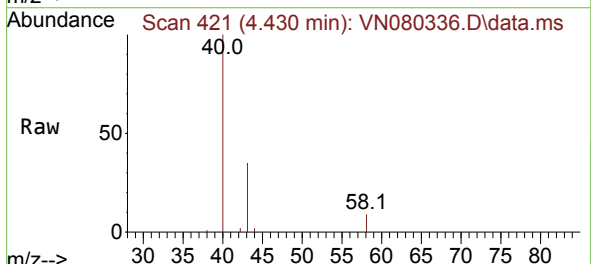
Instrument :
MSVOA_N
ClientSampleId :

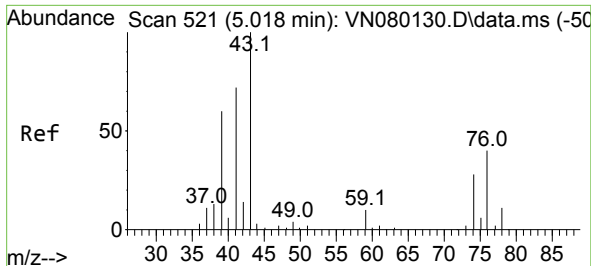
Tgt Ion: 59 Resp: 2590
Ion Ratio Lower Upper
59 100
57 4.7 8.2 12.4#



#16
Acetone
Concen: 20.424 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

Tgt Ion: 43 Resp: 17399
Ion Ratio Lower Upper
43 100
58 24.9 28.0 42.0#

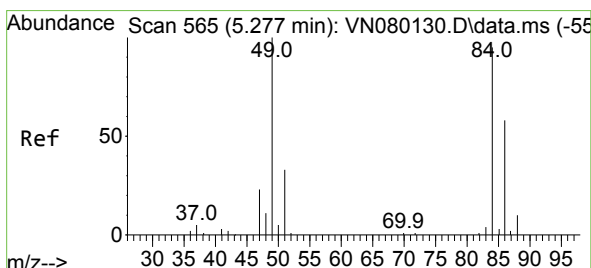
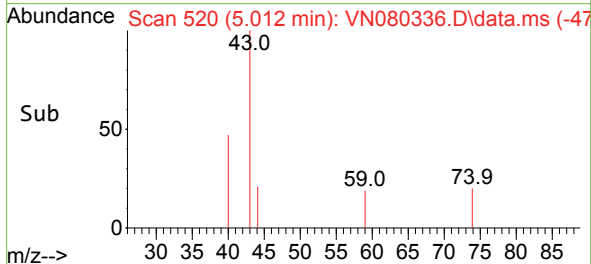
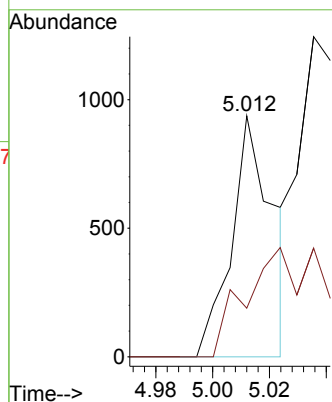
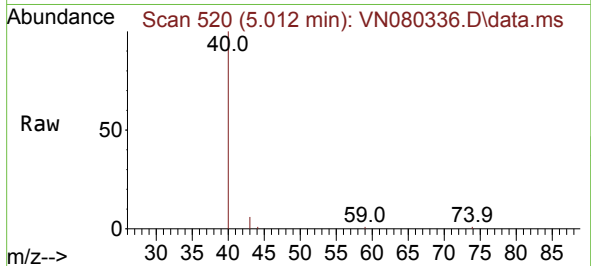




#18
Methyl Acetate
Concen: 0.345 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

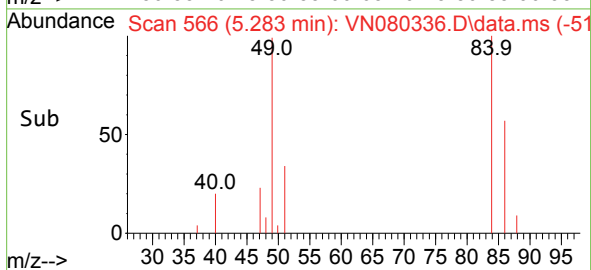
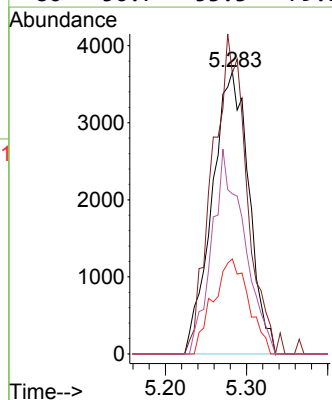
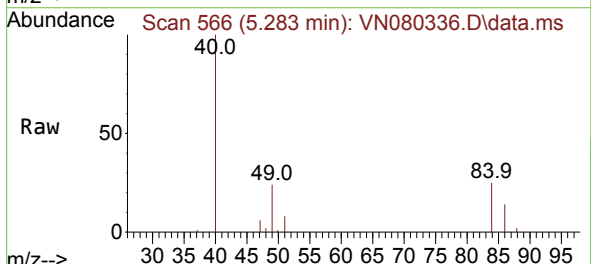
Instrument :
MSVOA_N
ClientSampleId :

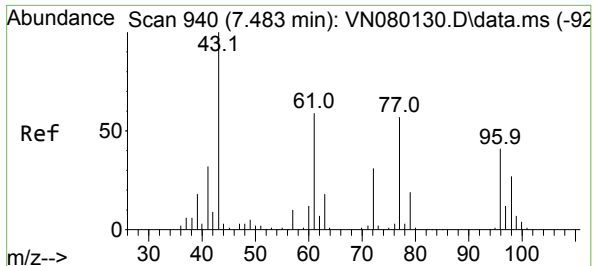
Tgt Ion: 43 Resp: 943
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 6.469 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

Tgt Ion: 84 Resp: 11540
Ion Ratio Lower Upper
84 100
49 99.5 79.7 119.5
51 33.6 25.2 37.8
86 56.7 53.3 79.9

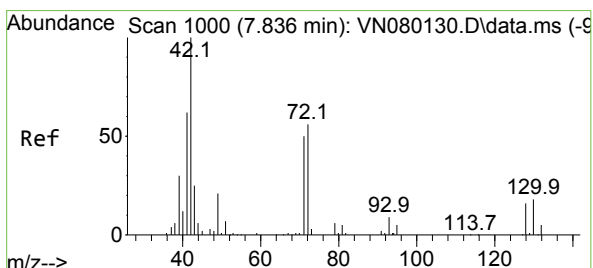
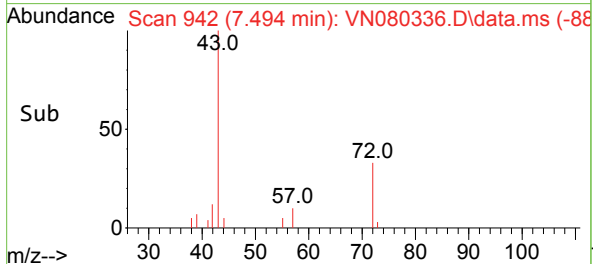
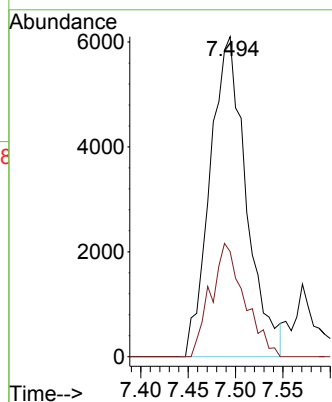
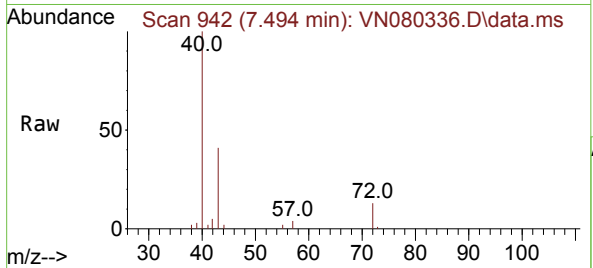




#25
2-Butanone
Concen: 16.015 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.011 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

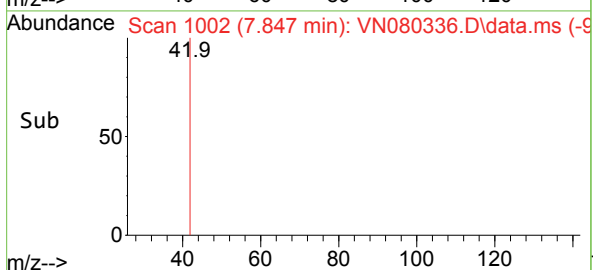
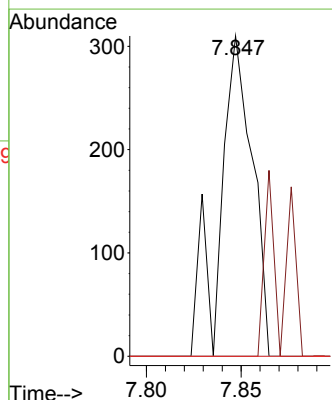
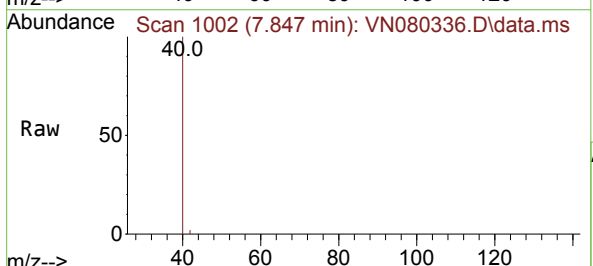
Instrument :
MSVOA_N
ClientSampleId :

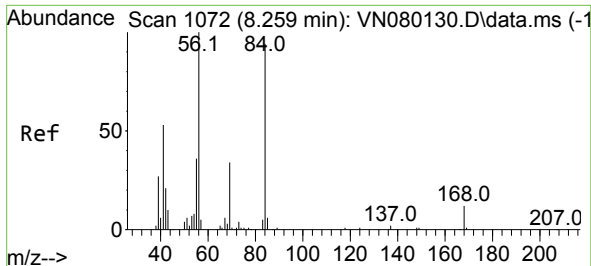
Tgt Ion: 43 Resp: 16210
Ion Ratio Lower Upper
43 100
72 32.9 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.686 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

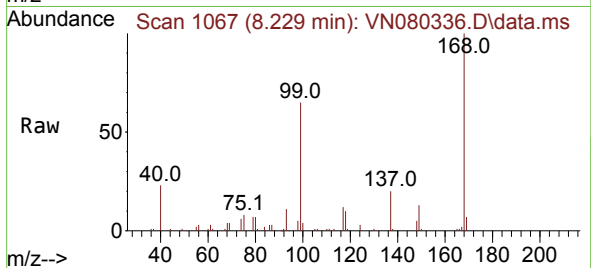
Tgt Ion: 42 Resp: 373
Ion Ratio Lower Upper
42 100
72 32.4 49.8 74.6#
71 0.0 47.4 71.2#



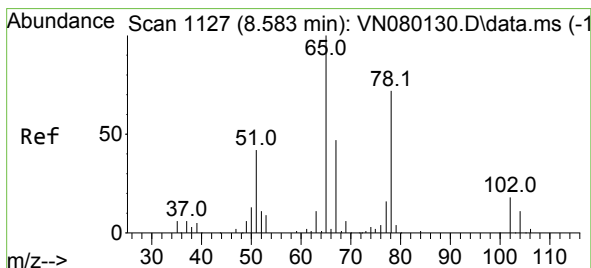
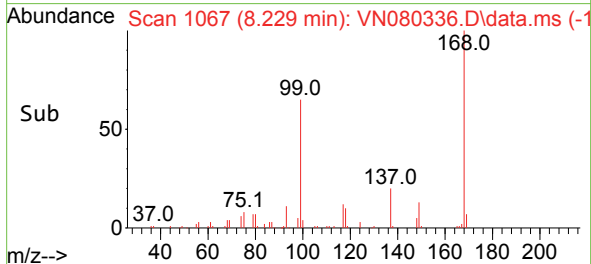
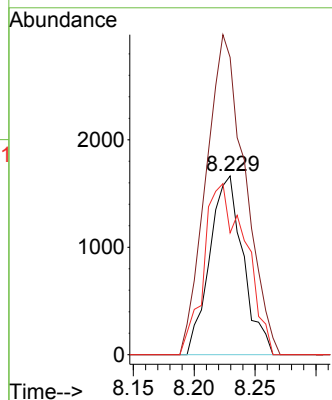


#31
Cyclohexane
Concen: 1.150 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

Instrument :
MSVOA_N
ClientSampleId :

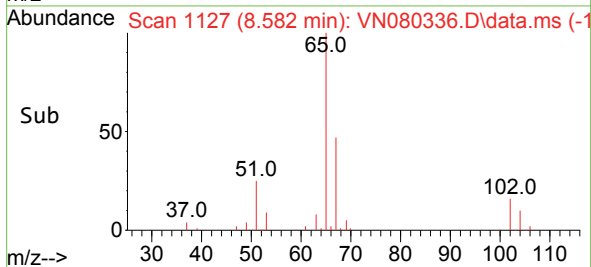
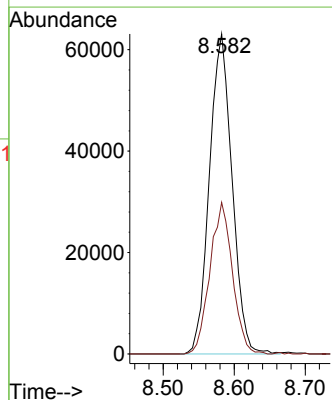
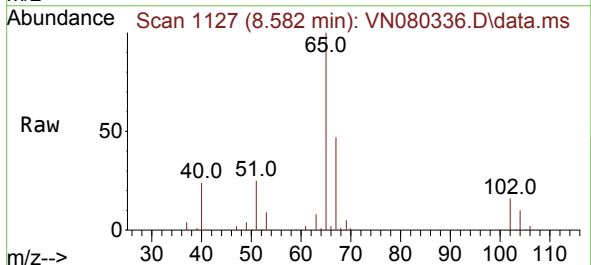


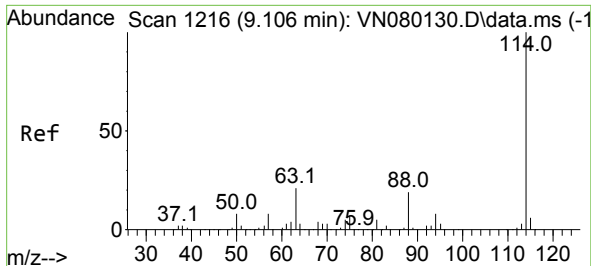
Tgt Ion: 56 Resp: 3172
Ion Ratio Lower Upper
56 100
69 166.2 26.8 40.2#
84 68.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 55.177 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

Tgt Ion: 65 Resp: 139949
Ion Ratio Lower Upper
65 100
67 47.0 0.0 106.6

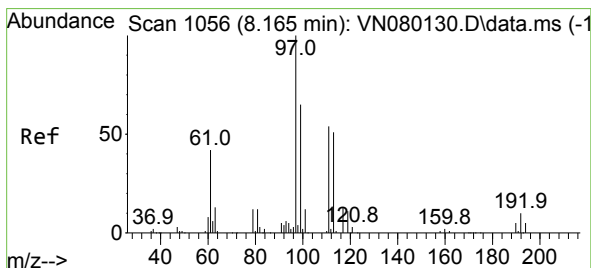
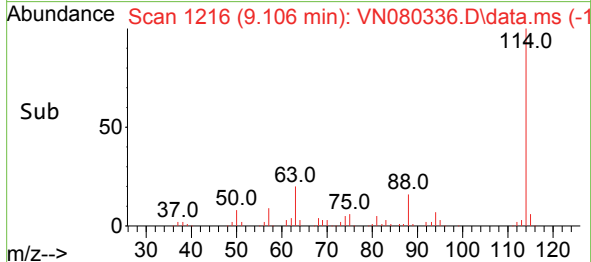
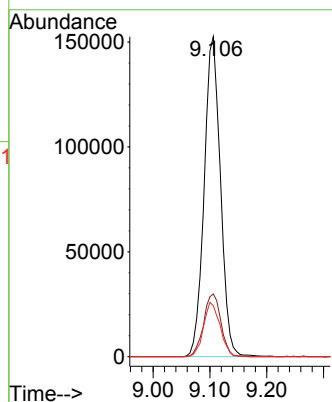
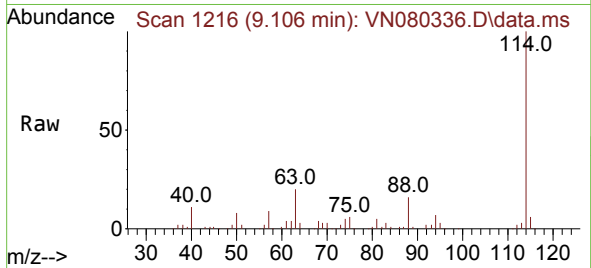




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

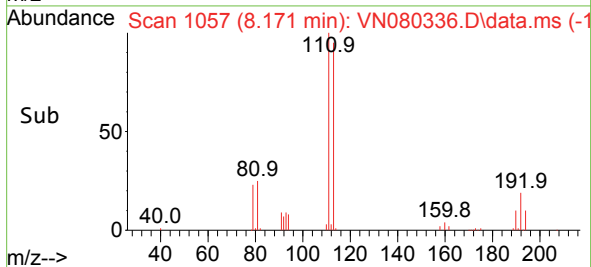
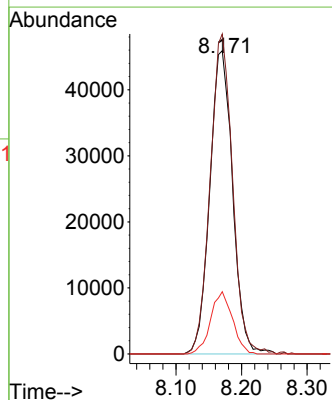
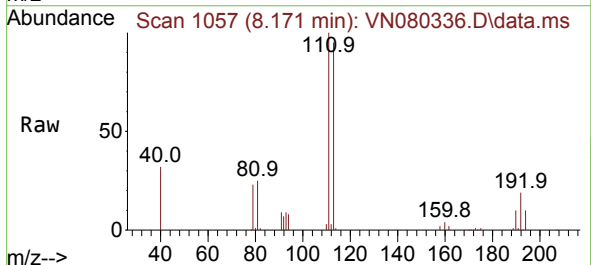
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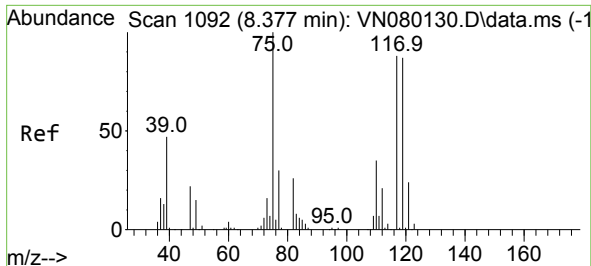
Tgt Ion:114 Resp: 303281
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.517 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

Tgt Ion:113 Resp: 110809
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 19.7 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.057 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.153 min

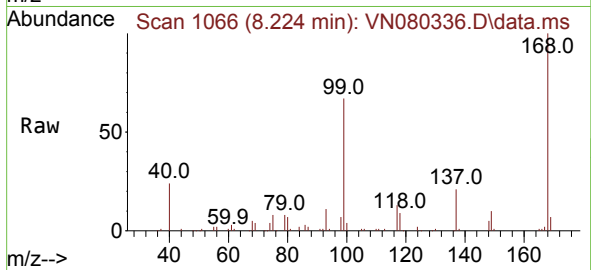
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Acq: 04 Dec 2023 14:22

Instrument :

MSVOA_N

ClientSampleId :



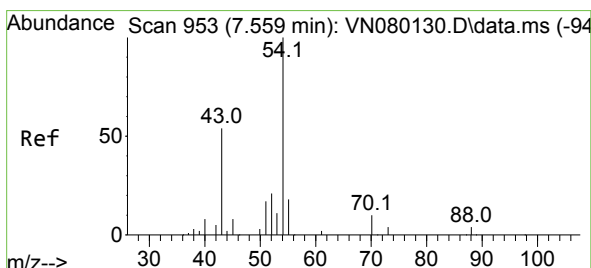
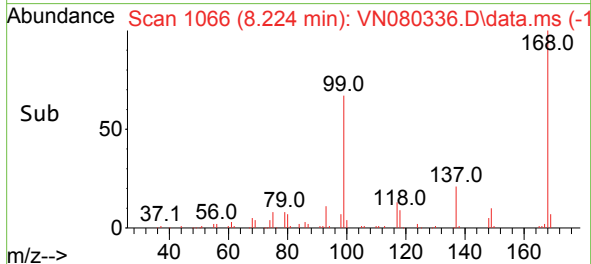
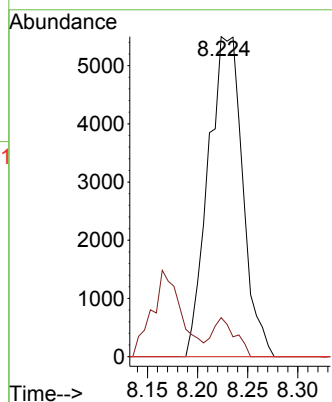
Tgt Ion: 75 Resp: 13143

Ion Ratio Lower Upper

75 100

110 8.1 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.860 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.011 min

Lab File: VN080336.D

Acq: 04 Dec 2023 14:22

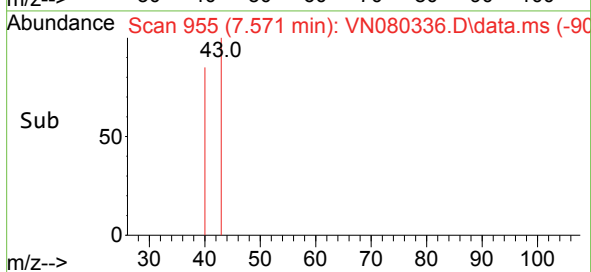
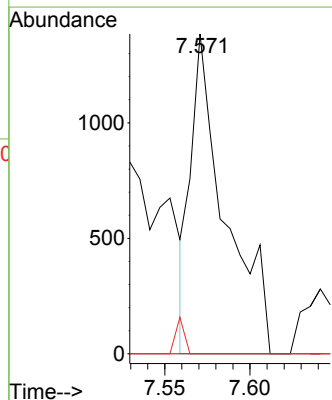
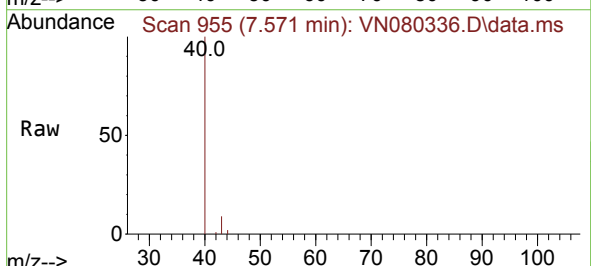
Tgt Ion: 43 Resp: 1933

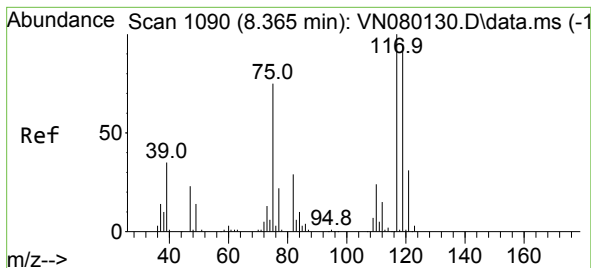
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 2.9 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.676 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

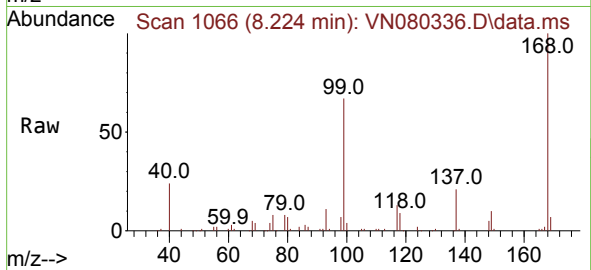
Lab File: VN080336.D

Acq: 04 Dec 2023 14:22

Instrument :

MSVOA_N

ClientSampleId :



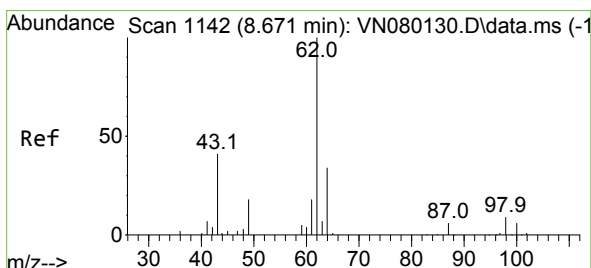
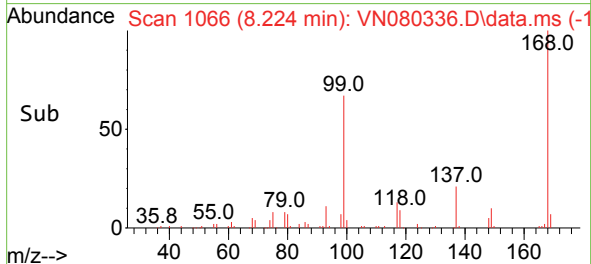
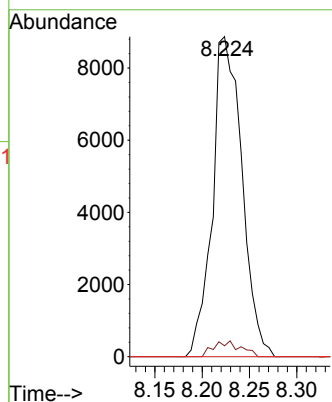
Tgt Ion:117 Resp: 19226

Ion Ratio Lower Upper

117 100

119 3.4 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.224 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN080336.D

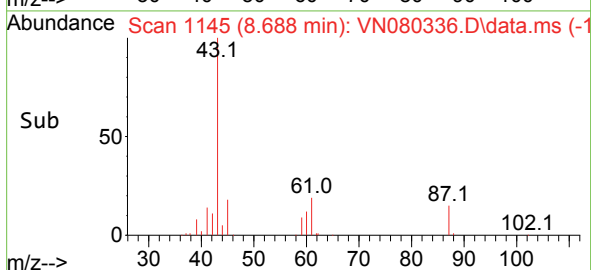
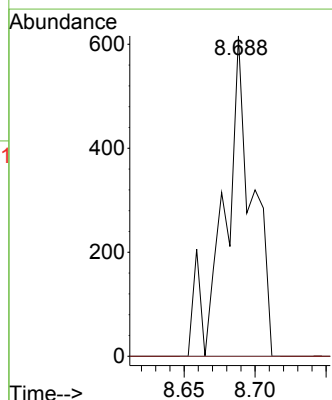
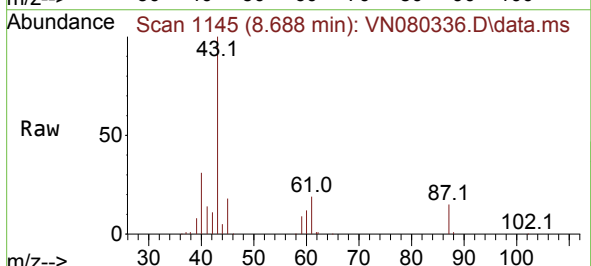
Acq: 04 Dec 2023 14:22

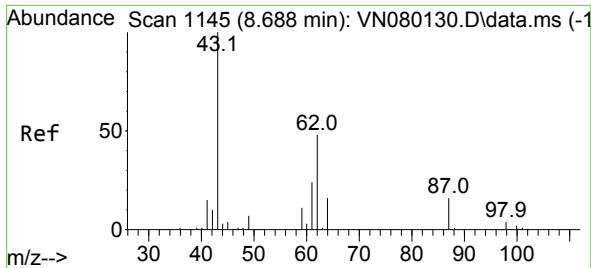
Tgt Ion: 62 Resp: 845

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

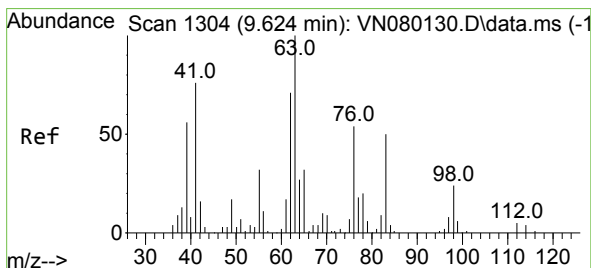
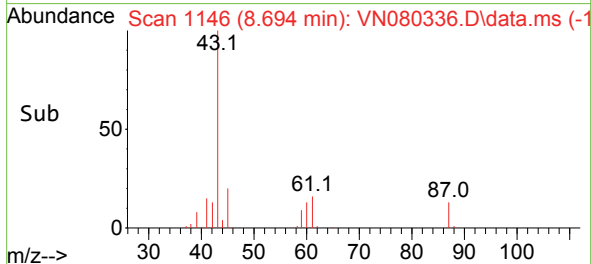
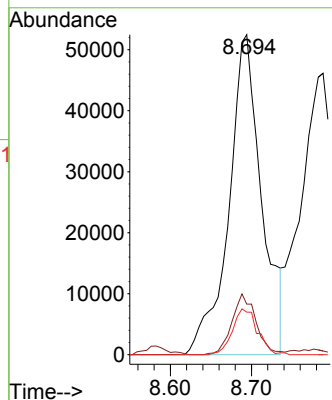
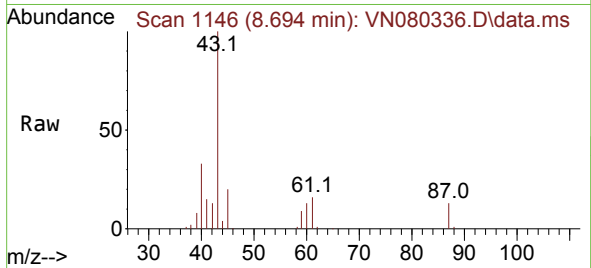




#43
Isopropyl Acetate
Concen: 33.550 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

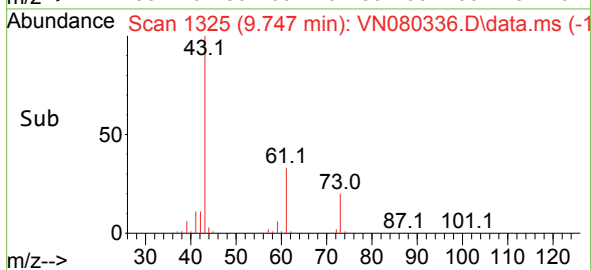
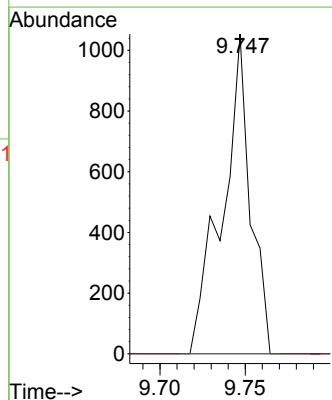
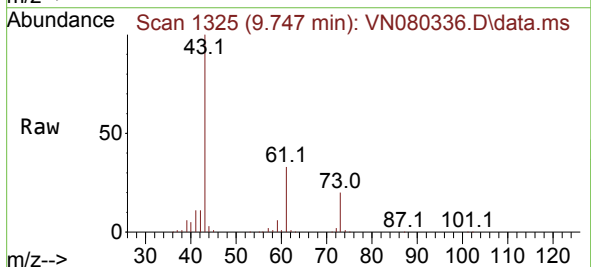
Instrument :
MSVOA_N
ClientSampleId :

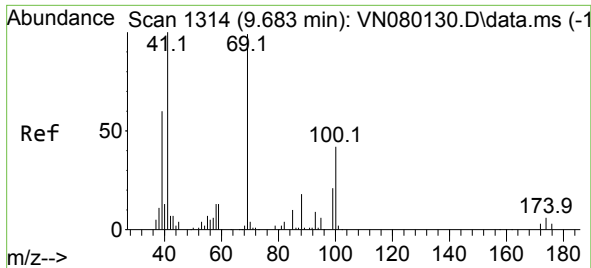
Tgt Ion: 43 Resp: 146721
Ion Ratio Lower Upper
43 100
61 14.1 24.7 37.1#
87 11.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.565 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

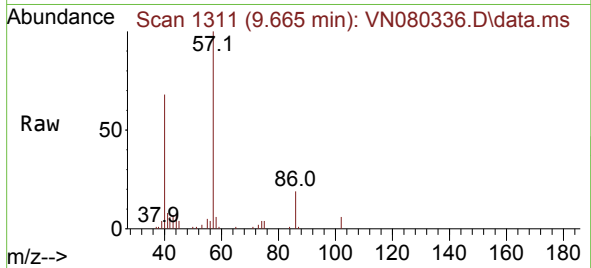
Tgt Ion: 63 Resp: 1208
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



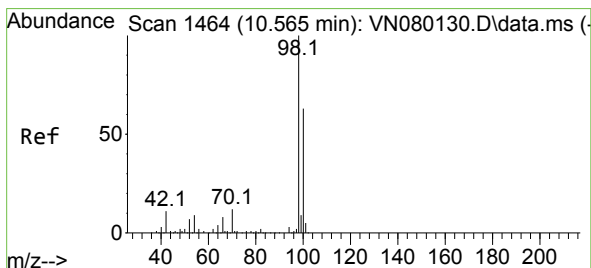
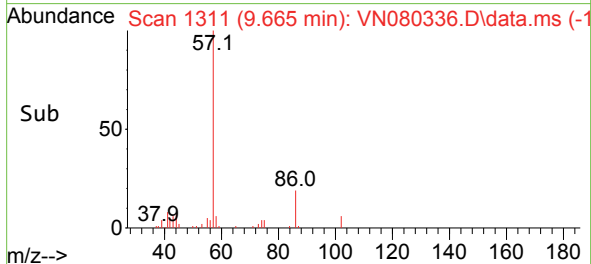
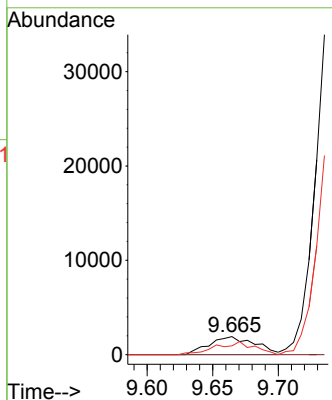


#48
Methyl methacrylate
Concen: 2.080 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

Instrument :
MSVOA_N
ClientSampleId :

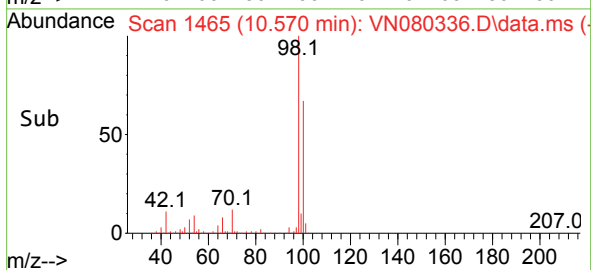
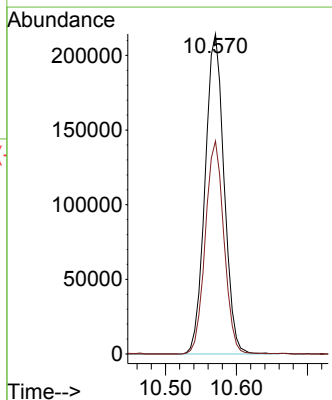
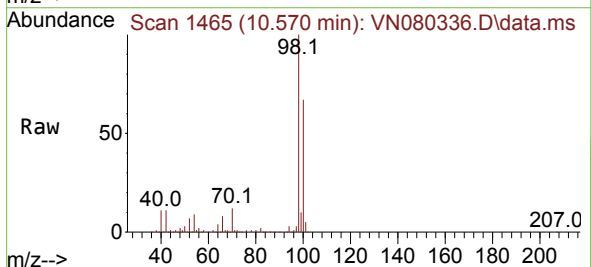


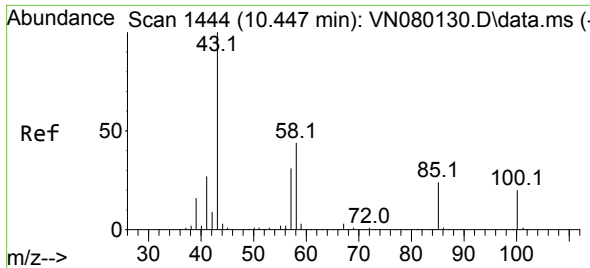
Tgt Ion: 41 Resp: 4687
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 60.0 54.6 81.8



#50
Toluene-d8
Concen: 49.332 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

Tgt Ion: 98 Resp: 397955
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

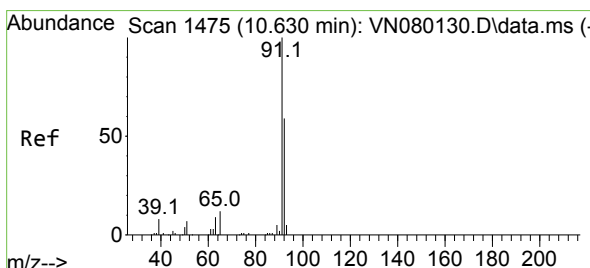
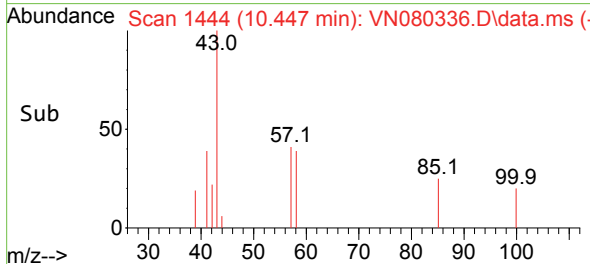
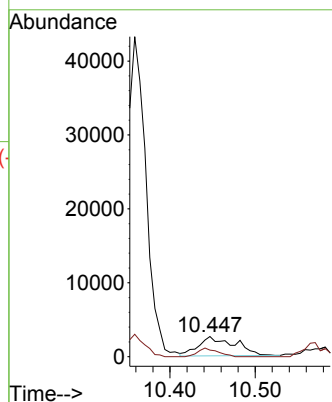
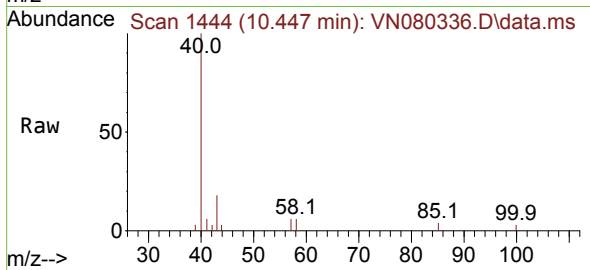




#51
4-Methyl-2-Pentanone
Concen: 3.442 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

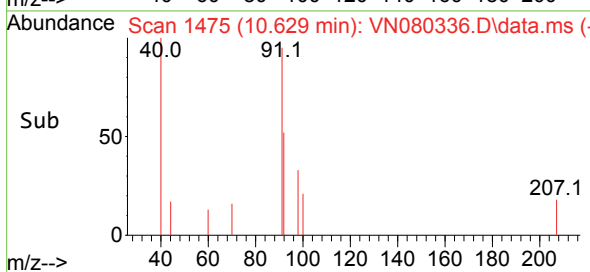
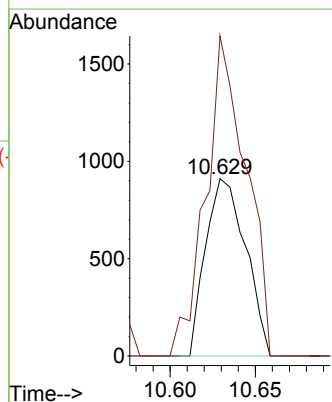
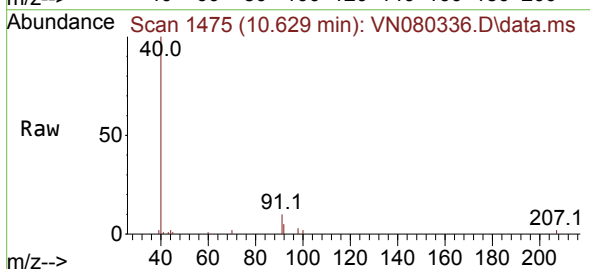
Instrument :
MSVOA_N
ClientSampleId :

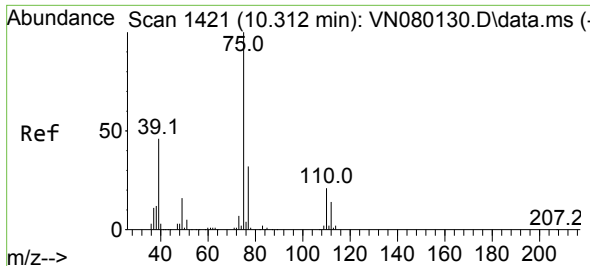
Tgt Ion: 43 Resp: 7792
Ion Ratio Lower Upper
43 100
58 24.0 36.6 54.8#



#52
Toluene
Concen: 0.258 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

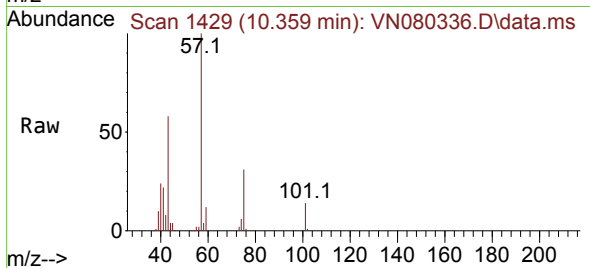
Tgt Ion: 92 Resp: 1489
Ion Ratio Lower Upper
92 100
91 181.6 137.4 206.0



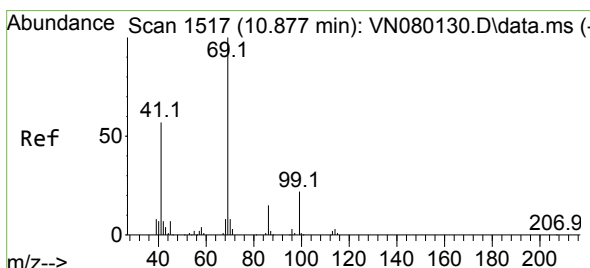
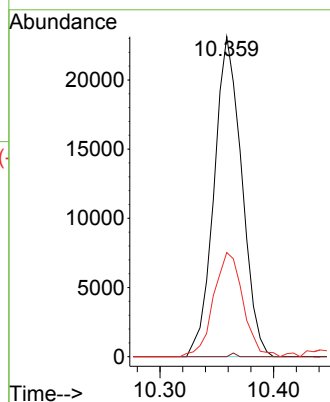
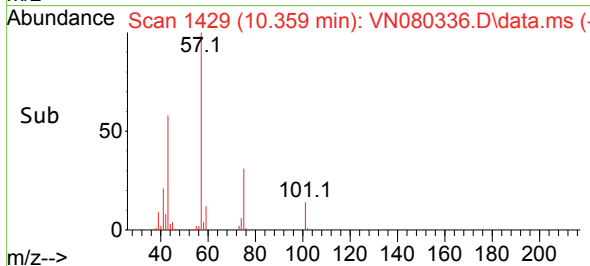


#54
 cis-1,3-Dichloropropene
 Concen: 10.456 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080336.D
 Acq: 04 Dec 2023 14:22

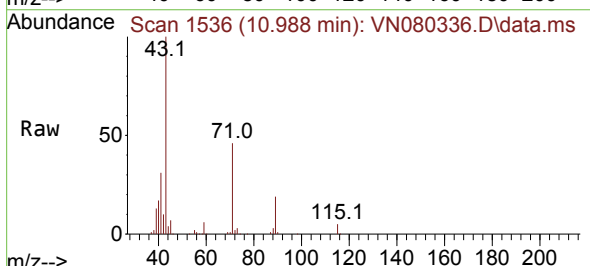
Instrument :
 MSVOA_N
 ClientSampleId :



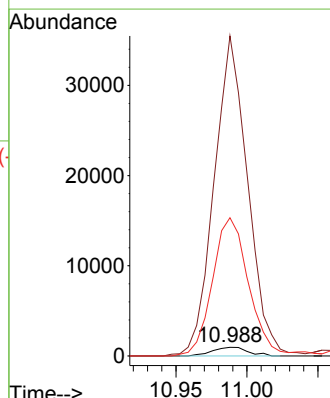
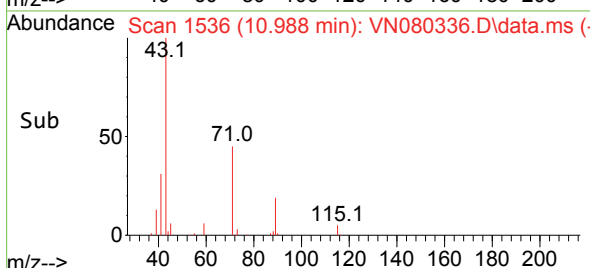
Tgt Ion: 75 Resp: 39106
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 32.6 31.6 47.4

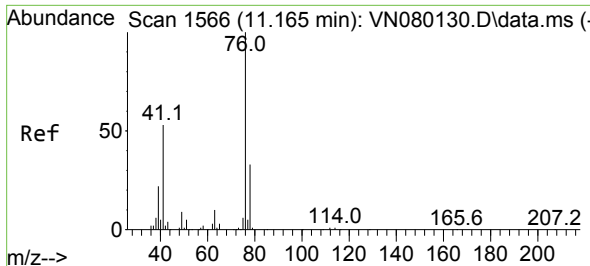


#56
 Ethyl methacrylate
 Concen: 0.753 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.111 min
 Lab File: VN080336.D
 Acq: 04 Dec 2023 14:22



Tgt Ion: 69 Resp: 1691
 Ion Ratio Lower Upper
 69 100
 41 3456.5 39.6 59.4#
 39 1626.0 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.274 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN080336.D

Acq: 04 Dec 2023 14:22

Instrument :

MSVOA_N

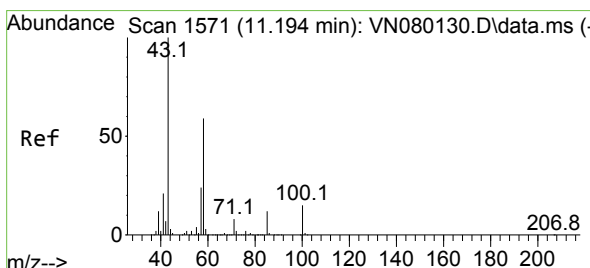
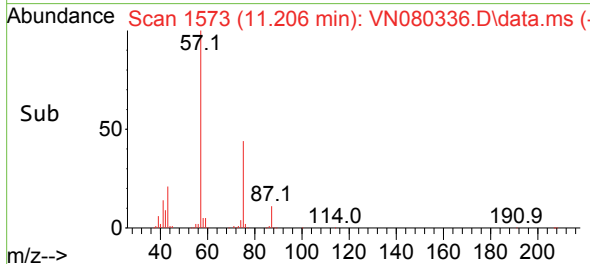
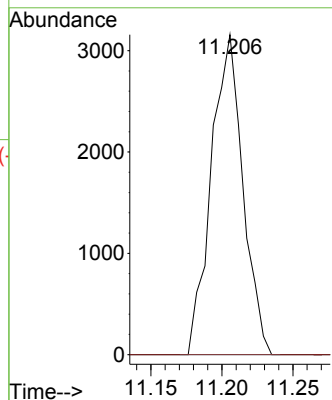
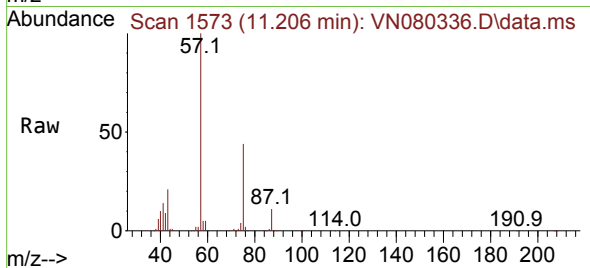
ClientSampleId :

Tgt Ion: 76 Resp: 4894

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 35.676 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.011 min

Lab File: VN080336.D

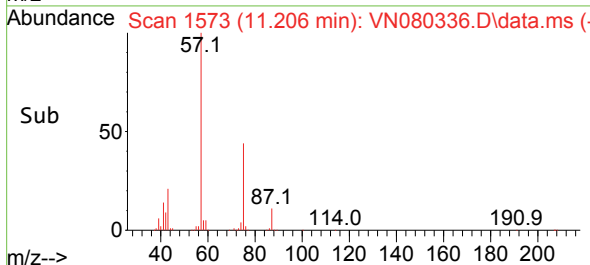
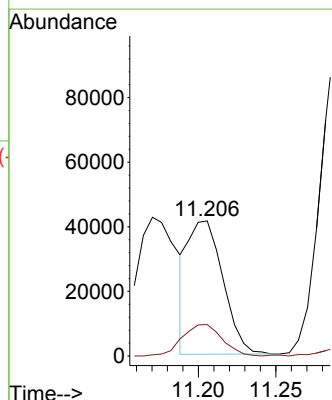
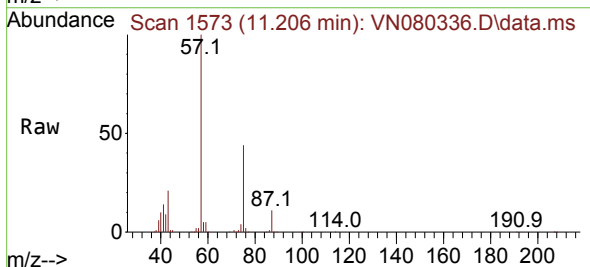
Acq: 04 Dec 2023 14:22

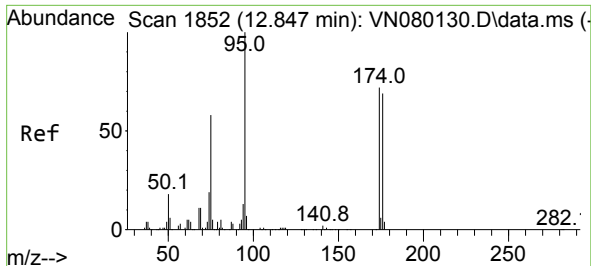
Tgt Ion: 43 Resp: 64907

Ion Ratio Lower Upper

43 100

58 26.8 31.7 95.1#

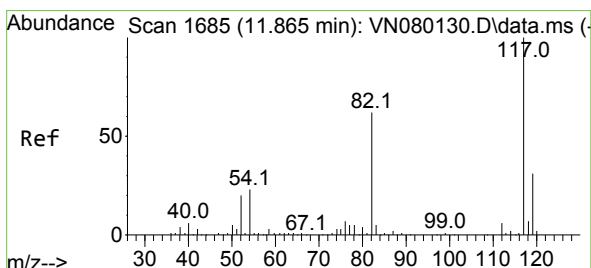
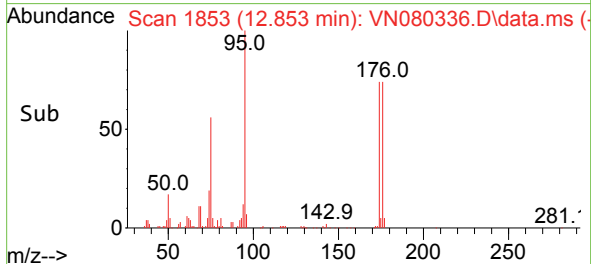
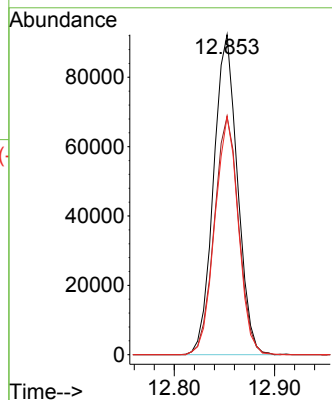
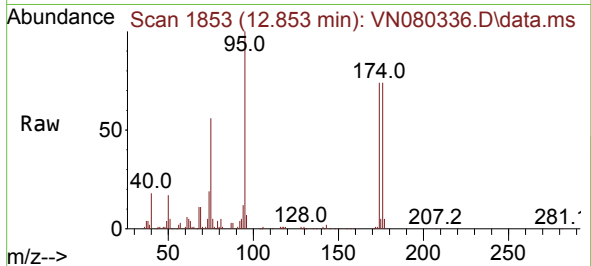




#62
4-Bromofluorobenzene
Concen: 50.144 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

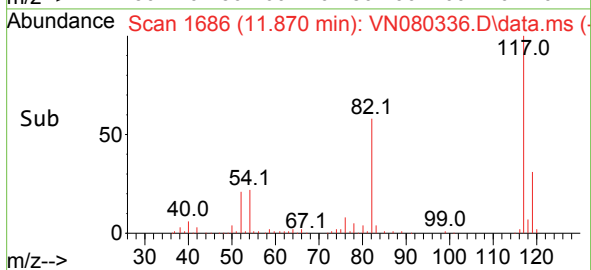
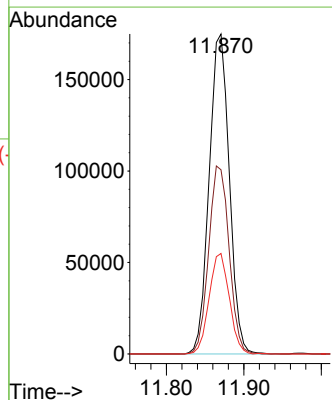
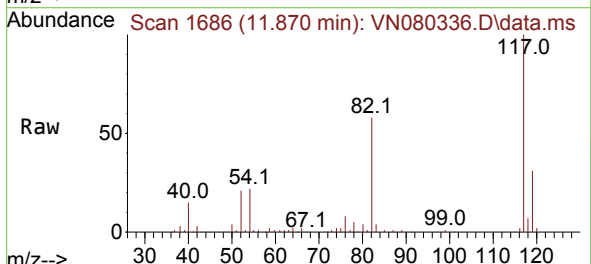
Instrument :
MSVOA_N
ClientSampleId :

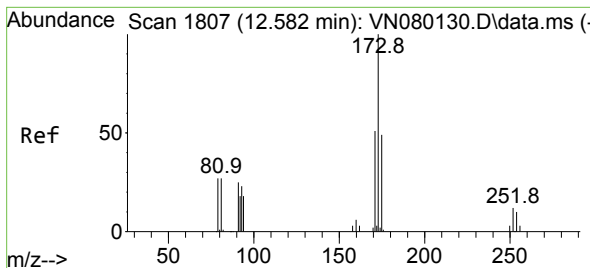
Tgt Ion: 95 Resp: 152789
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

Tgt Ion: 117 Resp: 315893
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 31.4 25.6 38.4





#71

Bromoform

Concen: 0.460 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.270 min

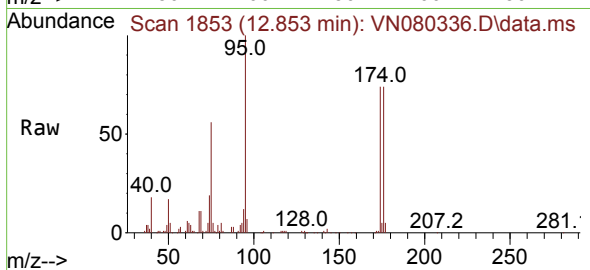
Lab File: VN080336.D

Acq: 04 Dec 2023 14:22

Instrument :

MSVOA_N

ClientSampleId :



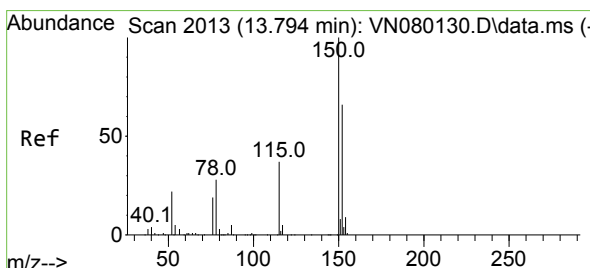
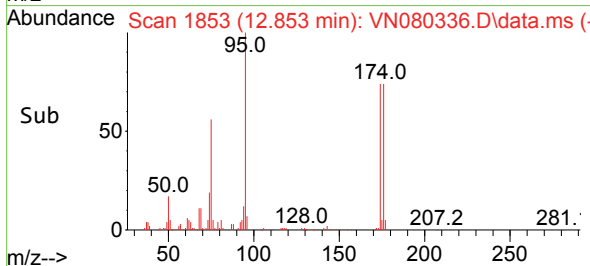
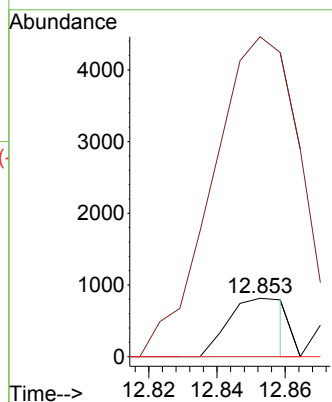
Tgt Ion:173 Resp: 948

Ion Ratio Lower Upper

173 100

175 695.1 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# 2013

Delta R.T. -0.000 min

Lab File: VN080336.D

Acq: 04 Dec 2023 14:22

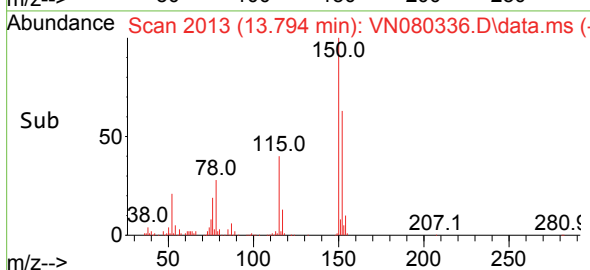
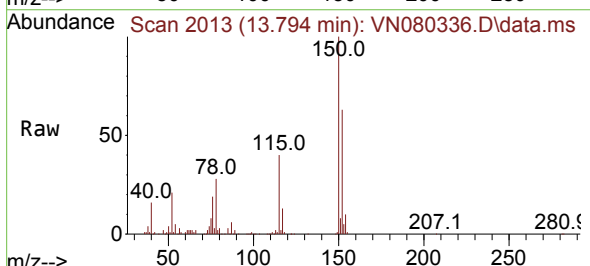
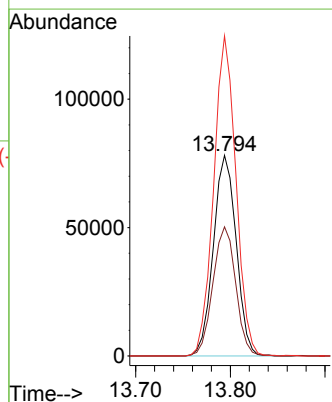
Tgt Ion:152 Resp: 131009

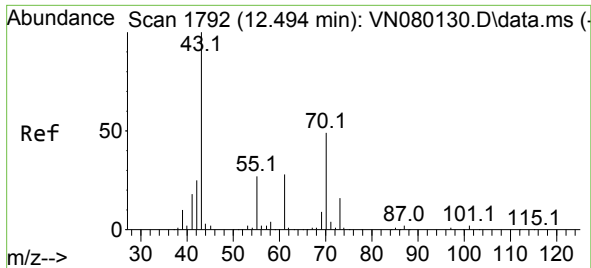
Ion Ratio Lower Upper

152 100

115 64.4 32.3 96.8

150 155.4 0.0 355.8

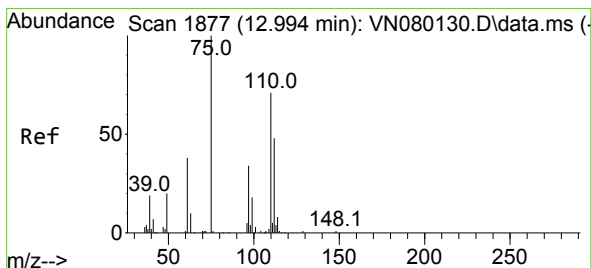
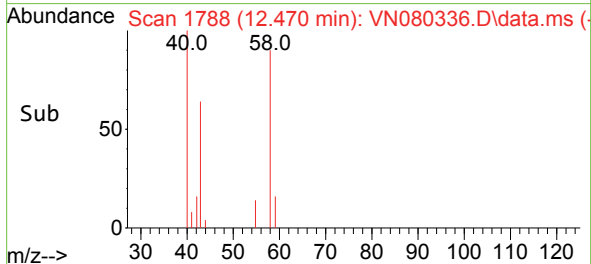
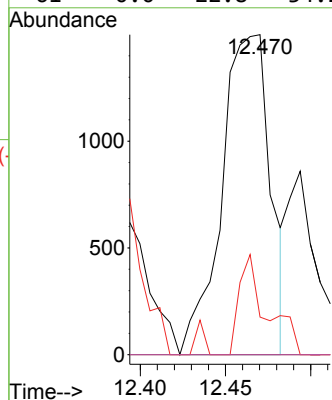
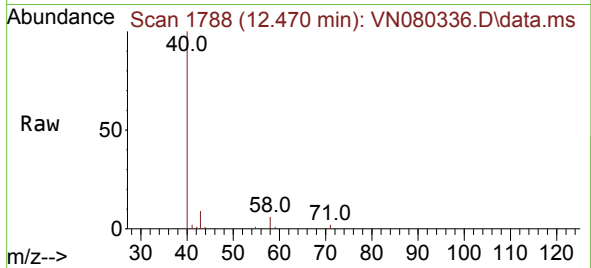




#74
N-amy1 acetate
Concen: 0.939 ug/l
RT: 12.470 min Scan# 1
Delta R.T. -0.024 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

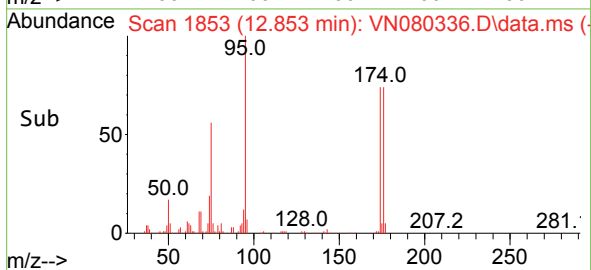
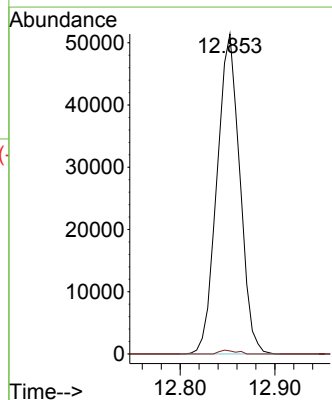
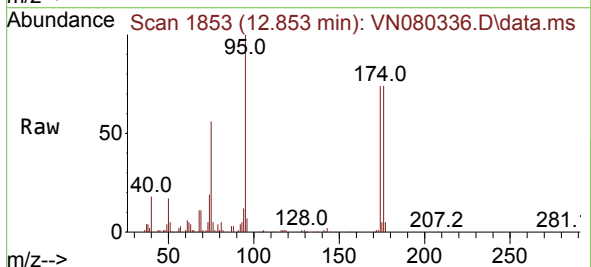
Instrument :
MSVOA_N
ClientSampleId :

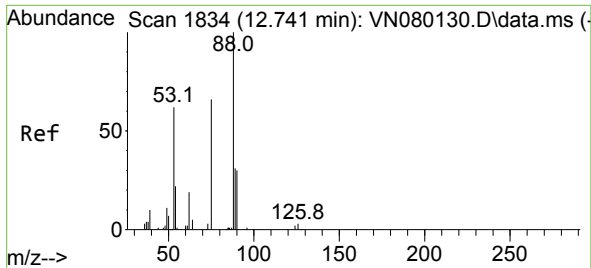
Tgt Ion: 43	Resp: 2982
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 17.8	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.844 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080336.D
Acq: 04 Dec 2023 14:22

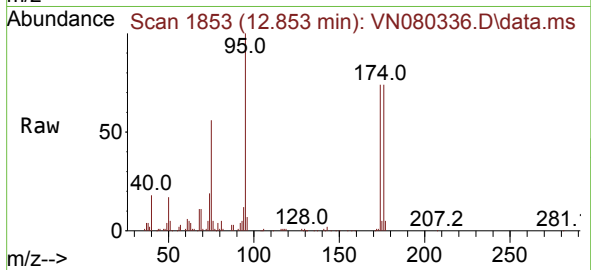
Tgt Ion: 75	Resp: 86168
Ion Ratio	Lower Upper
75 100	
77 0.9	84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.695 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.111 min
 Lab File: VN080336.D
 Acq: 04 Dec 2023 14:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 86168
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

