

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080852.D
 Acq On : 31 Jan 2024 19:54
 Operator : JC\MD
 Sample : P1284-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1252

Quant Time: Jan 31 23:22:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

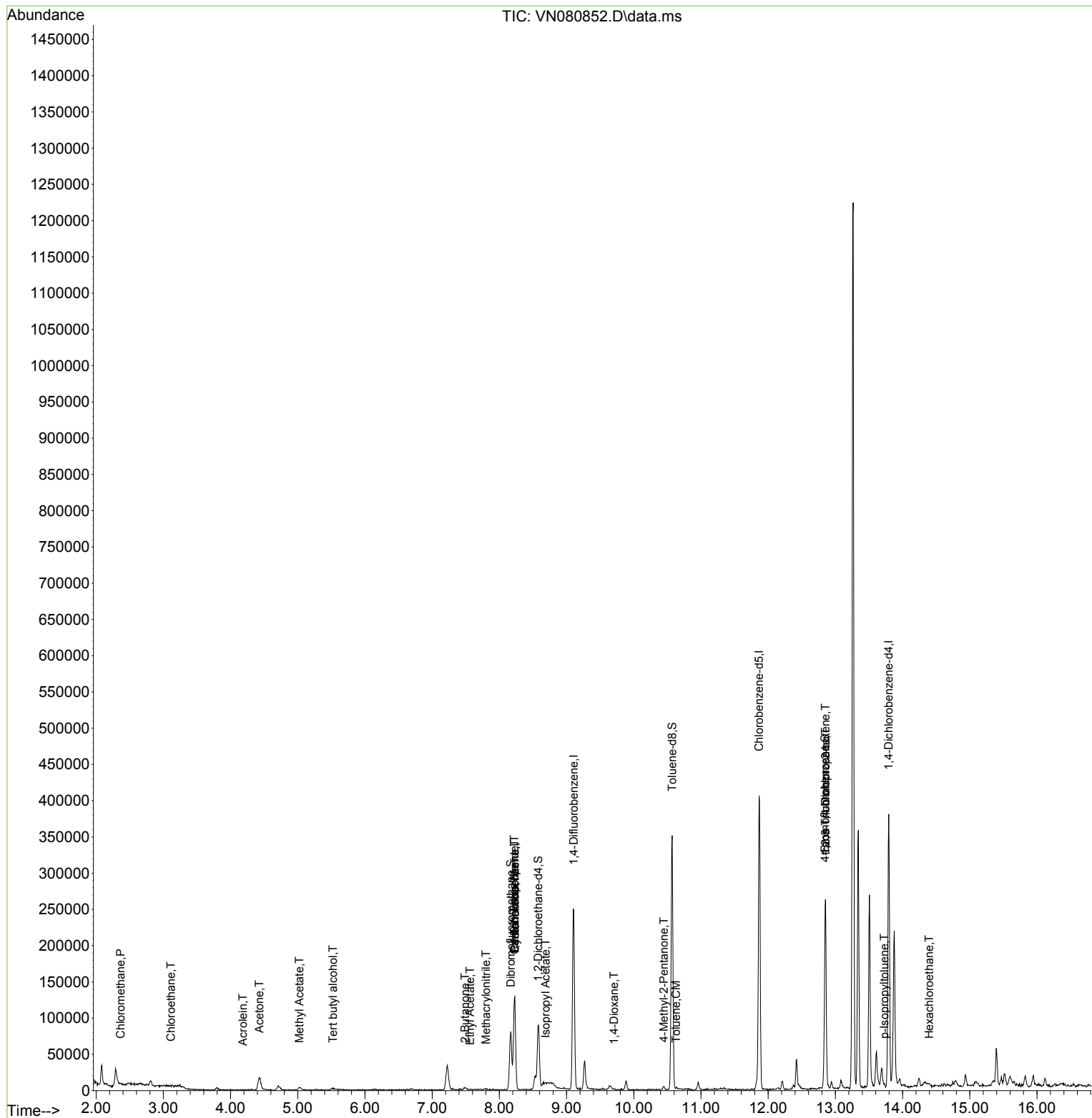
Internal Standards						
1) Pentafluorobenzene	8.229	168	79837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	196567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	207253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	69351	50.212	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.420%			
35) Dibromofluoromethane	8.171	113	56771	47.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.420%			
50) Toluene-d8	10.570	98	222074	47.180	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.360%			
62) 4-Bromofluorobenzene	12.847	95	87738	53.491	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.980%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1170	0.656	ug/l #	85
6) Chloroethane	3.112	64	487	0.674	ug/l #	42
11) Tert butyl alcohol	5.524	59	2236	9.931	ug/l #	72
13) Acrolein	4.183	56	269	0.947	ug/l #	54
16) Acetone	4.430	43	33383	66.645	ug/l	98
18) Methyl Acetate	5.024	43	7836	4.489	ug/l	95
25) 2-Butanone	7.488	43	5639	5.927	ug/l	92
31) Cyclohexane	8.229	56	3020	1.275	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	9094	4.068	ug/l #	48
37) Ethyl Acetate	7.565	43	1073	0.466	ug/l #	70
38) Carbon Tetrachloride	8.224	117	9823	5.454	ug/l #	17
41) Methacrylonitrile	7.800	41	329	0.243	ug/l #	22
43) Isopropyl Acetate	8.688	43	2034	0.486	ug/l #	57
49) 1,4-Dioxane	9.706	88	454	18.558	ug/l #	52
51) 4-Methyl-2-Pentanone	10.447	43	4229	1.806	ug/l #	78
52) Toluene	10.629	92	783	0.208	ug/l	92
76) 1,2,3-Trichloropropane	12.853	75	51842	20.288	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	51842	52.267	ug/l #	14
86) p-Isopropyltoluene	13.729	119	2147	0.380	ug/l	88
90) Hexachloroethane	14.394	117	403	0.407	ug/l #	21

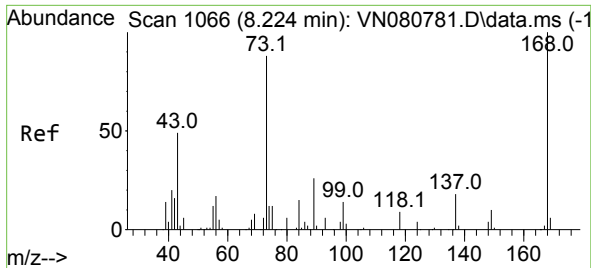
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P1284-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1252

Quant Time: Jan 31 23:22:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration

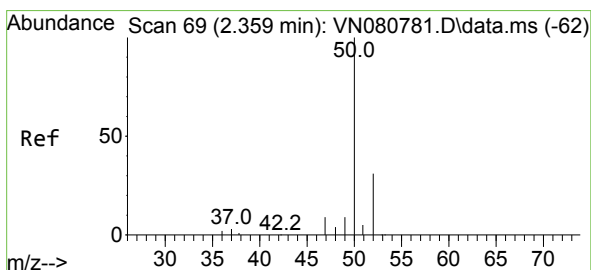
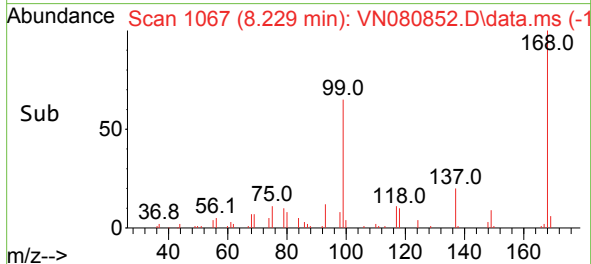
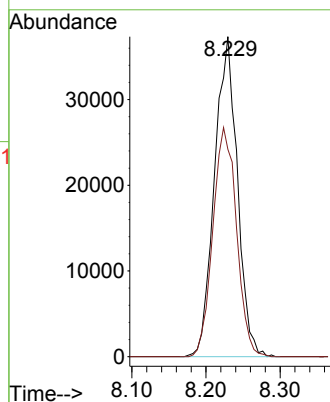
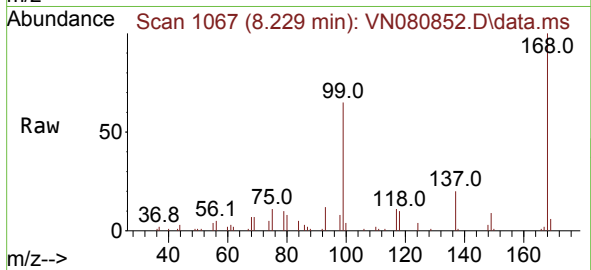




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

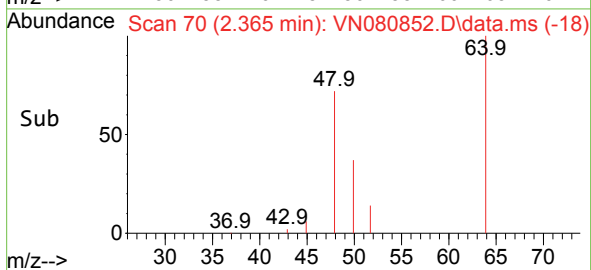
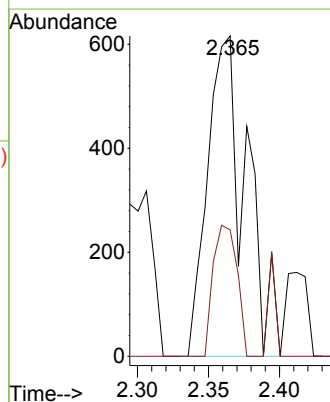
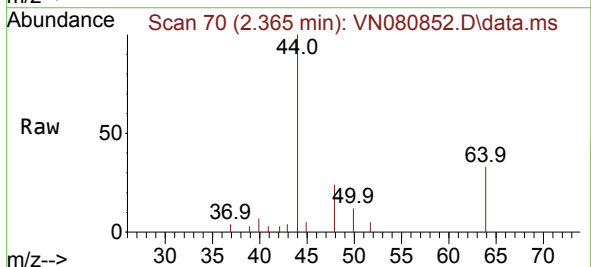
Instrument :
MSVOA_N
ClientSampleId :
1252

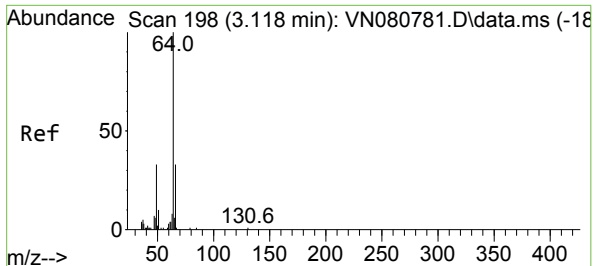
Tgt Ion:168 Resp: 79837
Ion Ratio Lower Upper
168 100
99 64.8 59.9 89.9



#3
Chloromethane
Concen: 0.656 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Tgt Ion: 50 Resp: 1170
Ion Ratio Lower Upper
50 100
52 39.4 25.0 37.4#

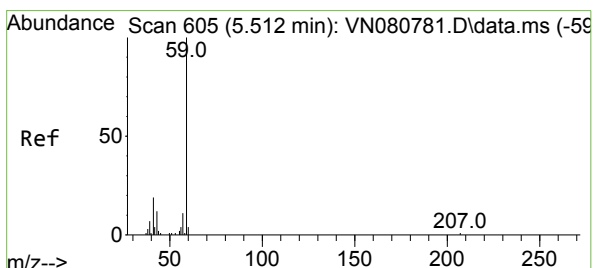
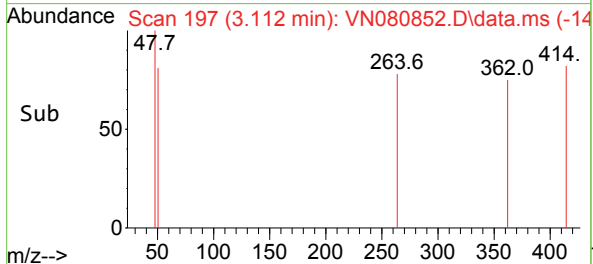
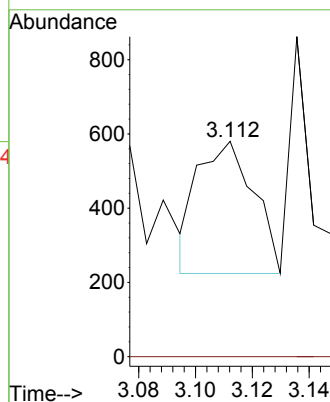
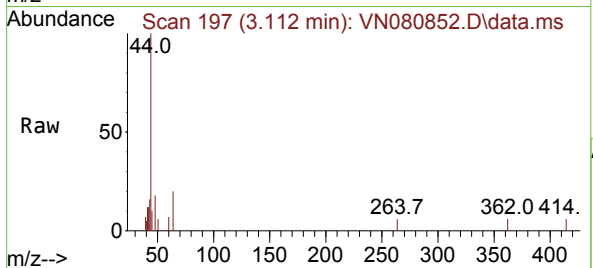




#6
Chloroethane
Concen: 0.674 ug/l
RT: 3.112 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

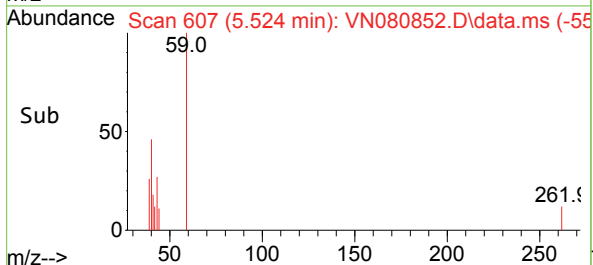
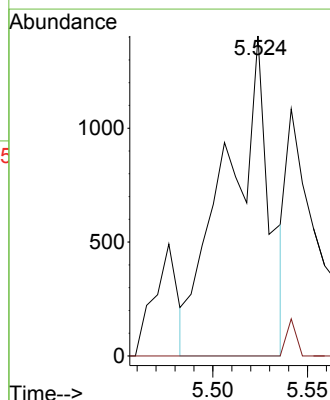
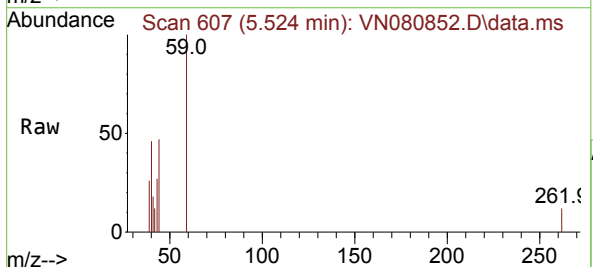
Instrument :
MSVOA_N
ClientSampleId :
1252

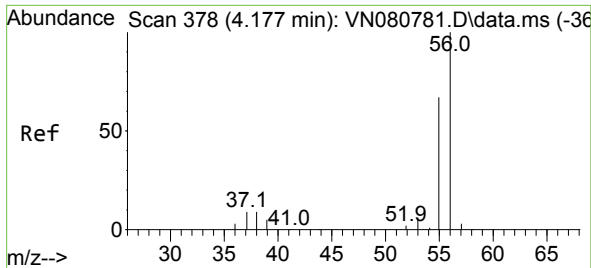
Tgt Ion: 64 Resp: 487
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 9.931 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Tgt Ion: 59 Resp: 2236
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.947 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN080852.D

Acq: 31 Jan 2024 19:54

Instrument :

MSVOA_N

ClientSampleId :

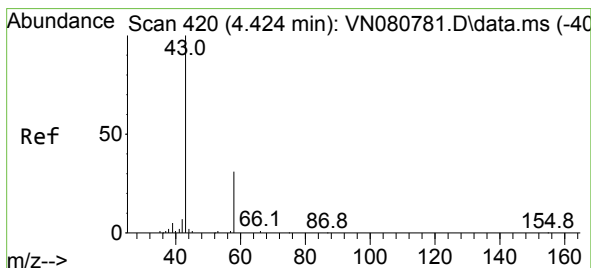
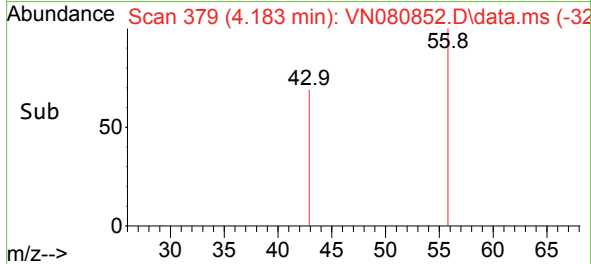
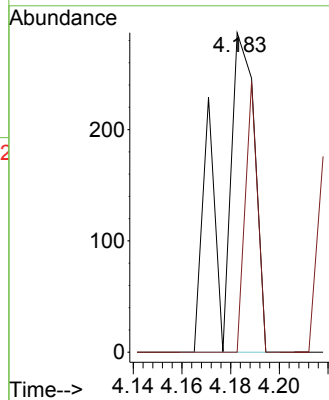
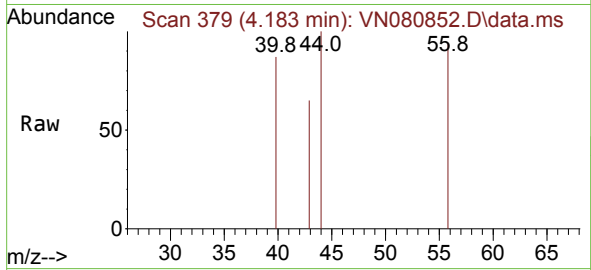
1252

Tgt Ion: 56 Resp: 269

Ion Ratio Lower Upper

56 100

55 32.0 55.3 82.9#



#16

Acetone

Concen: 66.645 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN080852.D

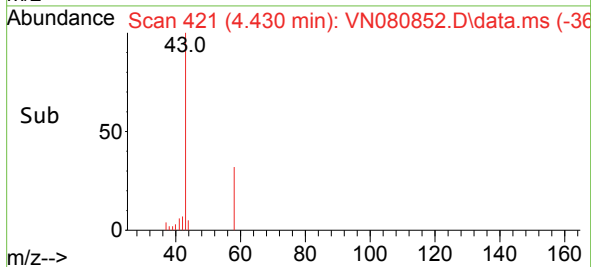
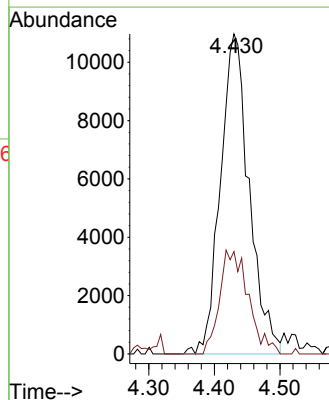
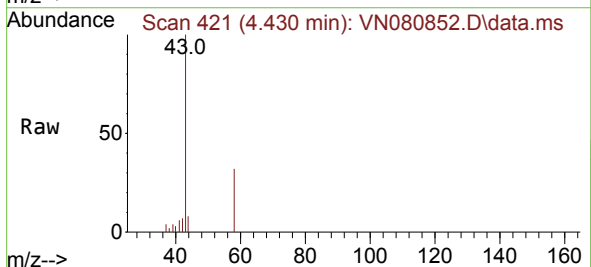
Acq: 31 Jan 2024 19:54

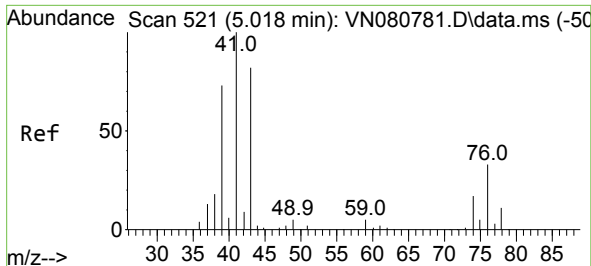
Tgt Ion: 43 Resp: 33383

Ion Ratio Lower Upper

43 100

58 32.0 24.8 37.2

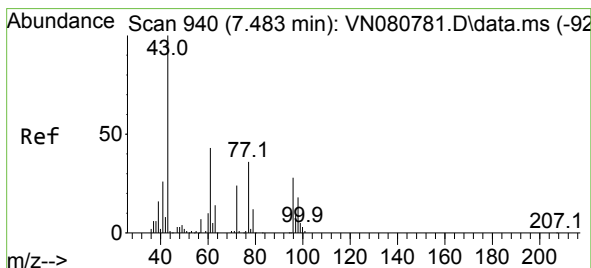
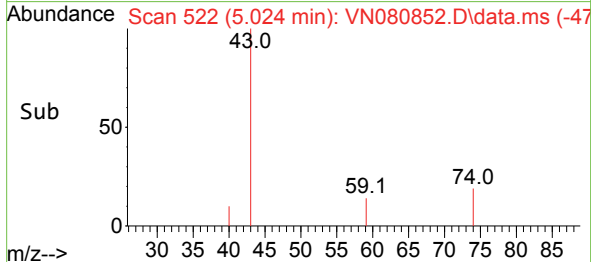
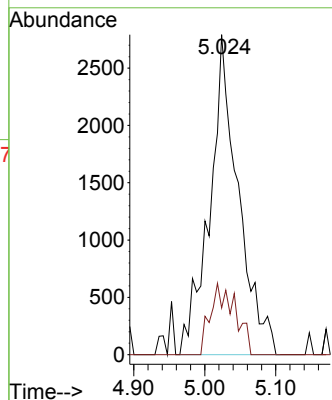
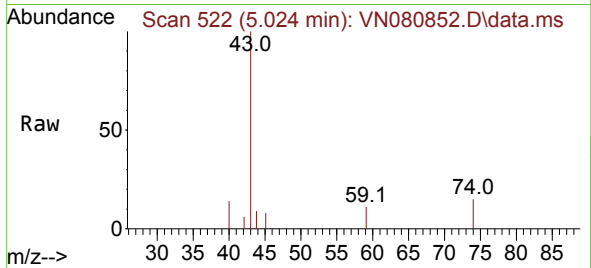




#18
Methyl Acetate
Concen: 4.489 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

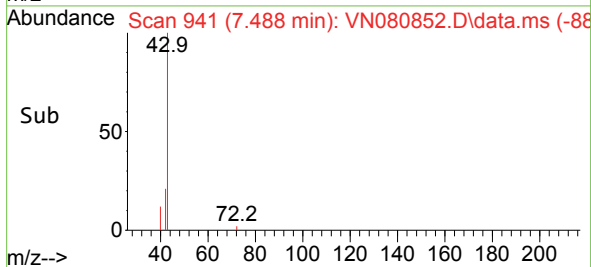
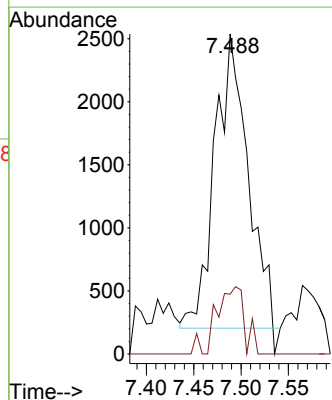
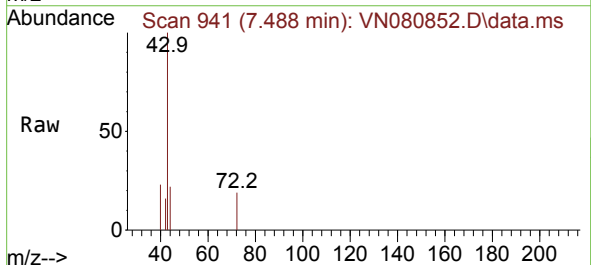
Instrument :
MSVOA_N
ClientSampleId :
1252

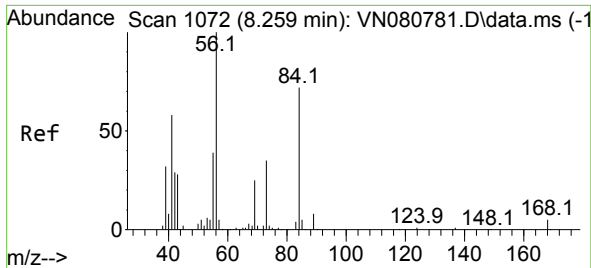
Tgt Ion: 43 Resp: 7836
Ion Ratio Lower Upper
43 100
74 19.2 17.3 25.9



#25
2-Butanone
Concen: 5.927 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

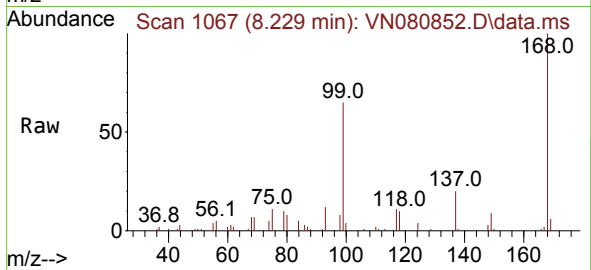
Tgt Ion: 43 Resp: 5639
Ion Ratio Lower Upper
43 100
72 20.4 19.5 29.3



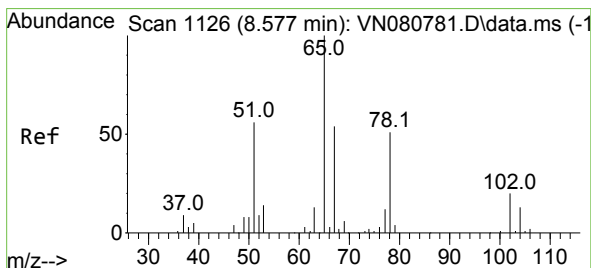
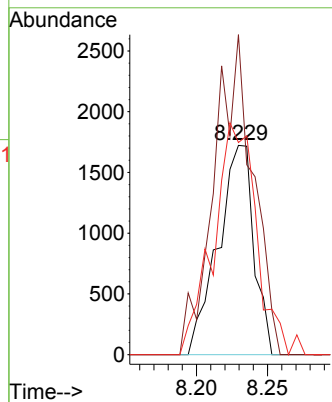
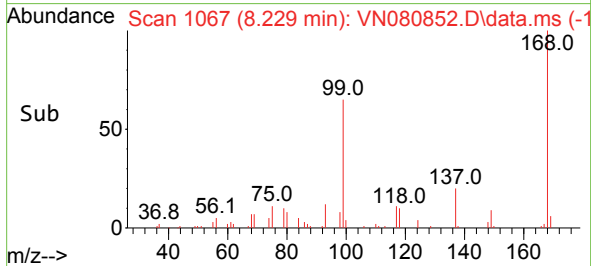


#31
Cyclohexane
Concen: 1.275 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
1252

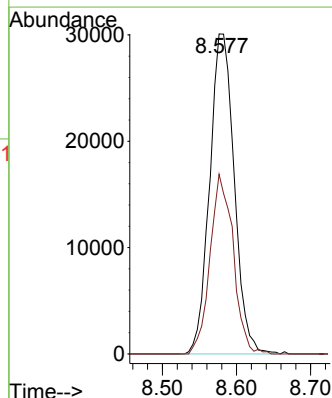
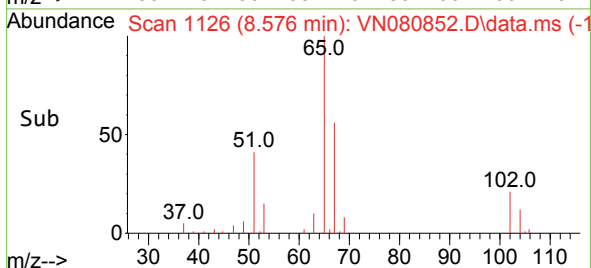
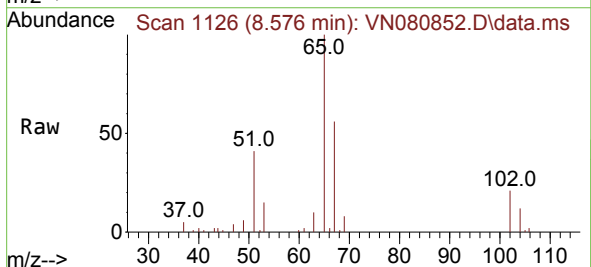


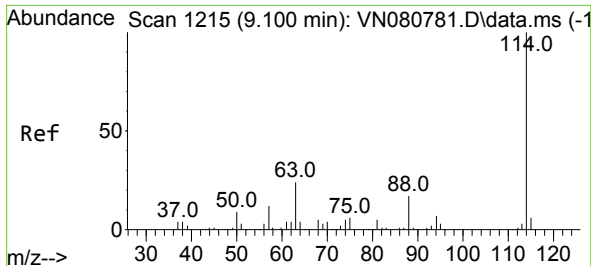
Tgt Ion: 56 Resp: 3020
Ion Ratio Lower Upper
56 100
69 152.9 20.1 30.1#
84 101.4 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 50.212 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Tgt Ion: 65 Resp: 69351
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN080852.D

Acq: 31 Jan 2024 19:54

Instrument :

MSVOA_N

ClientSampleId :

1252

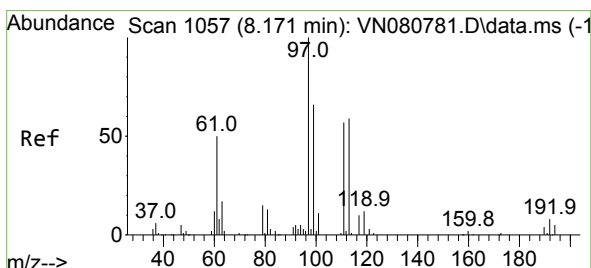
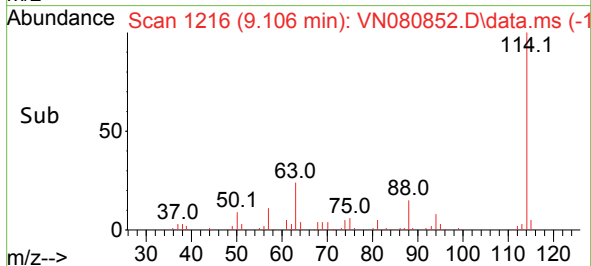
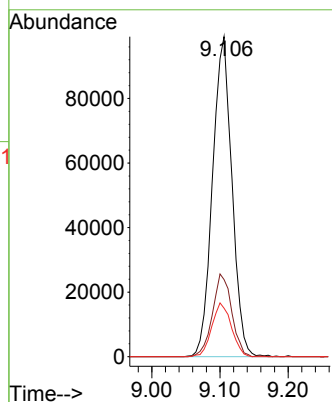
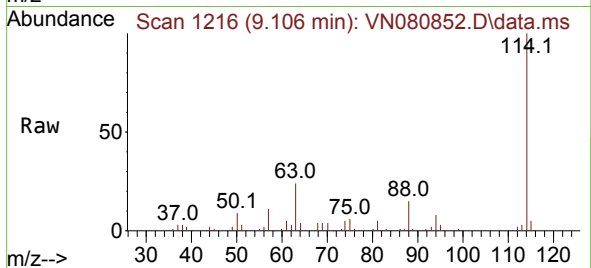
Tgt Ion:114 Resp: 196567

Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.0

88 15.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 47.207 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN080852.D

Acq: 31 Jan 2024 19:54

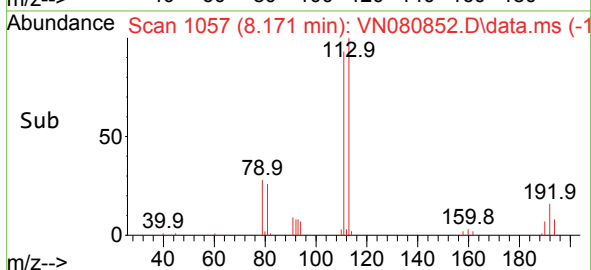
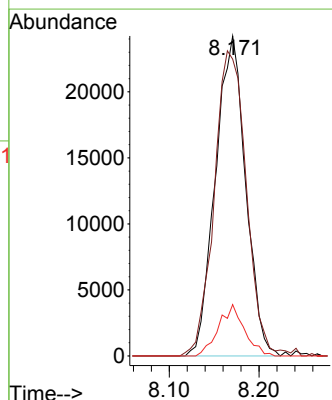
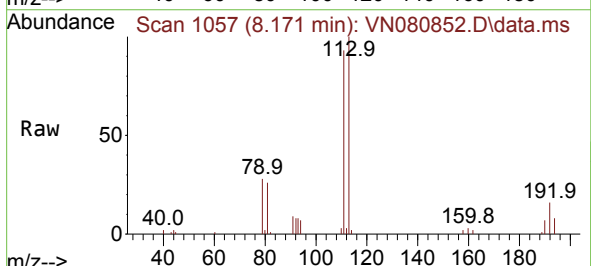
Tgt Ion:113 Resp: 56771

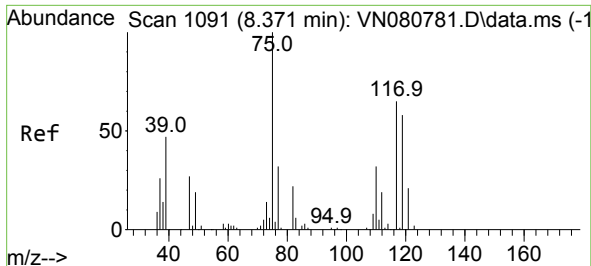
Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 13.7 12.5 18.7

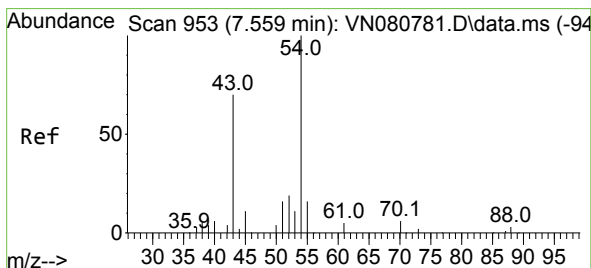
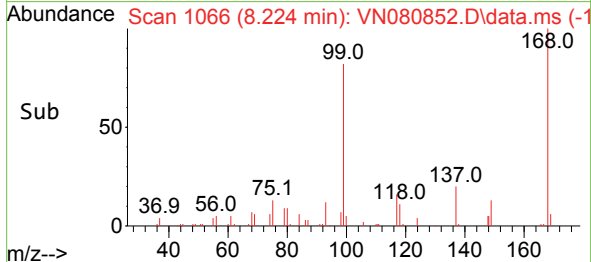
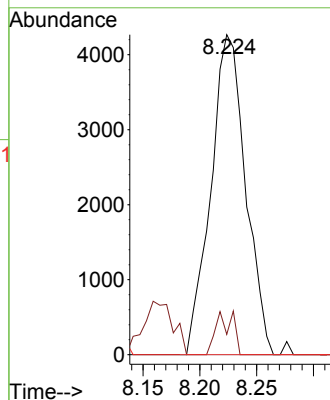
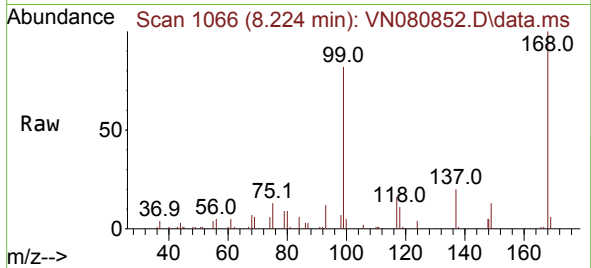




#36
1,1-Dichloropropene
Concen: 4.068 ug/l
RT: 8.224 min Scan# 1091
Delta R.T. -0.147 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

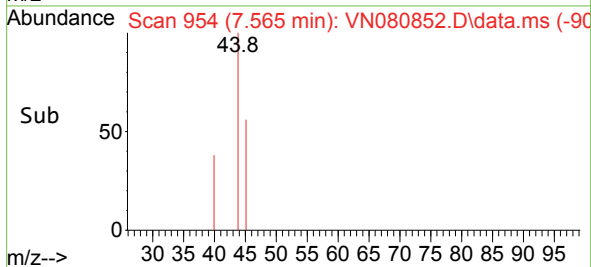
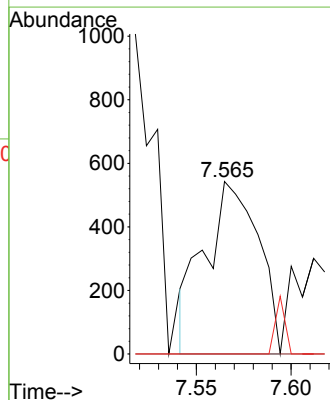
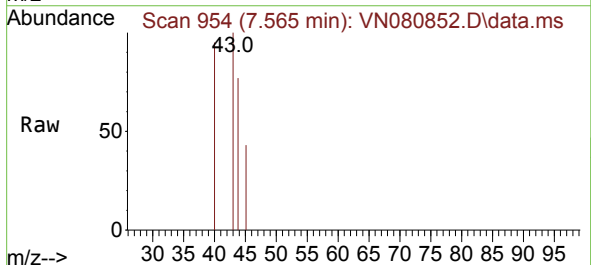
Instrument :
MSVOA_N
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1252

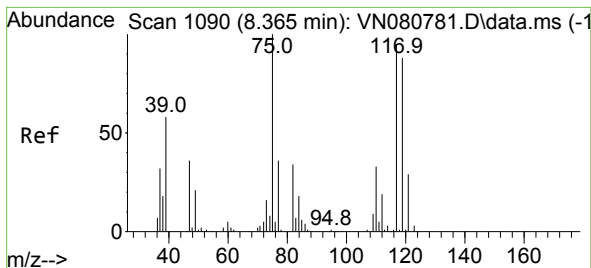
Tgt Ion: 75 Resp: 9094
Ion Ratio Lower Upper
75 100
110 6.5 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.466 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Tgt Ion: 43 Resp: 1073
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 5.454 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN080852.D

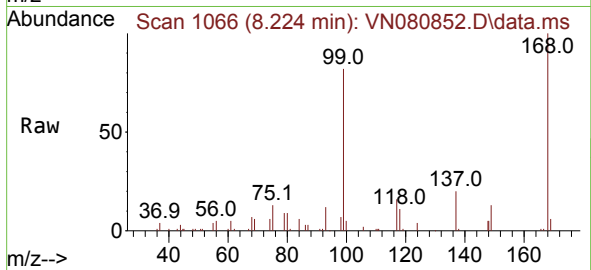
Acq: 31 Jan 2024 19:54

Instrument :

MSVOA_N

ClientSampleId :

1252



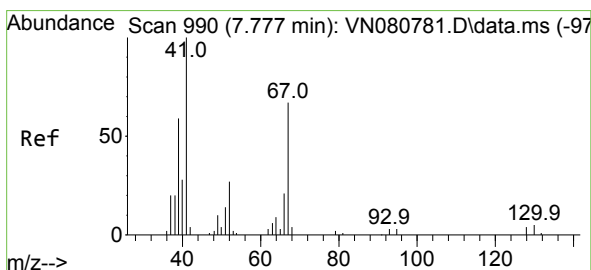
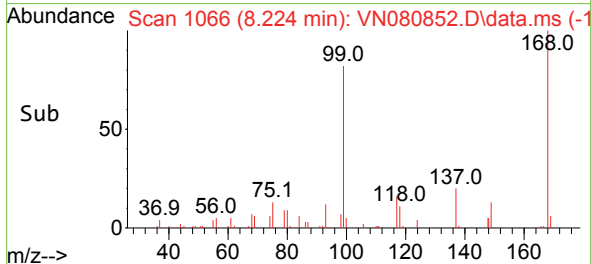
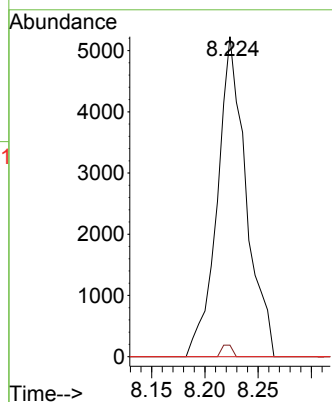
Tgt Ion:117 Resp: 9823

Ion Ratio Lower Upper

117 100

119 3.6 73.4 110.2#

121 0.0 24.4 36.6#



#41

Methacrylonitrile

Concen: 0.243 ug/l

RT: 7.800 min Scan# 994

Delta R.T. 0.023 min

Lab File: VN080852.D

Acq: 31 Jan 2024 19:54

Tgt Ion: 41 Resp: 329

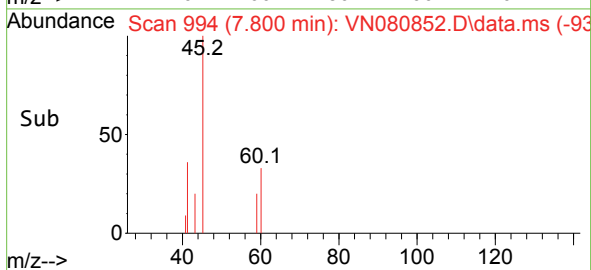
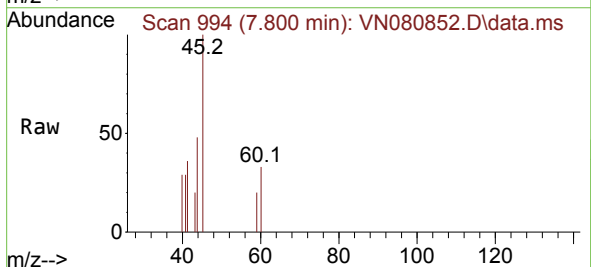
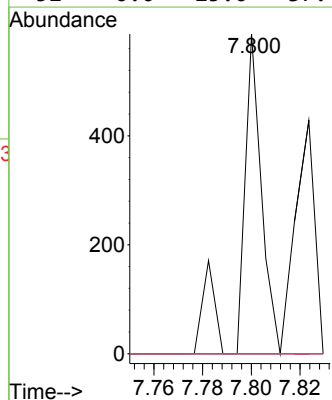
Ion Ratio Lower Upper

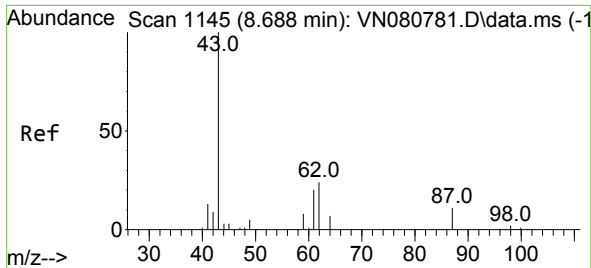
41 100

39 0.0 48.4 72.6#

67 0.0 56.8 85.2#

52 0.0 25.0 37.4#

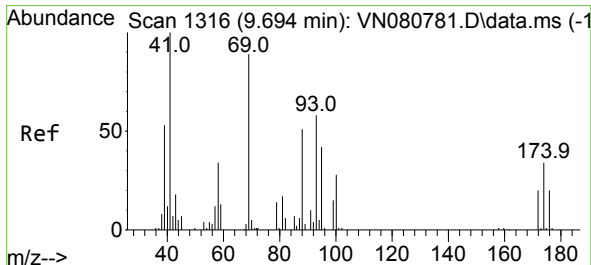
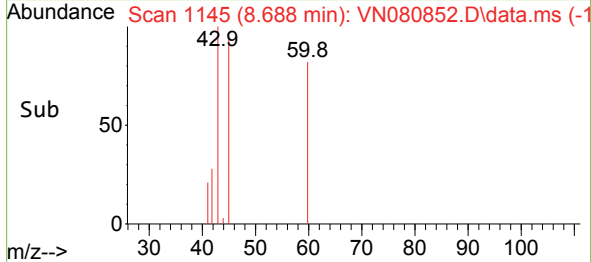
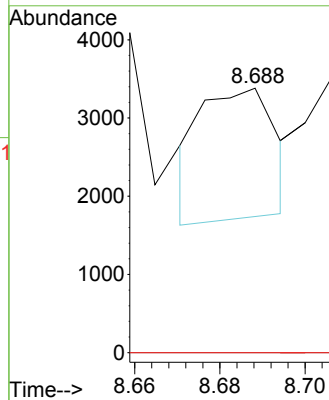
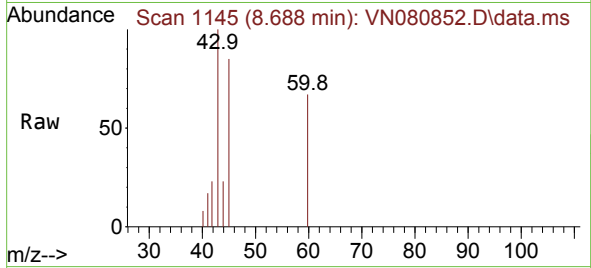




#43
Isopropyl Acetate
Concen: 0.486 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

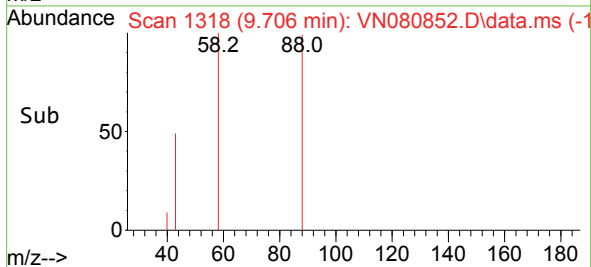
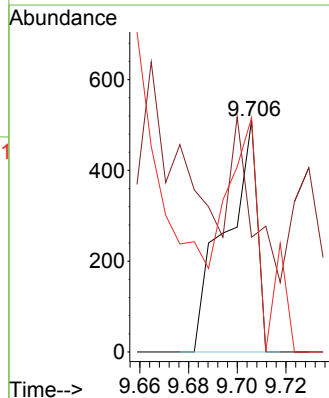
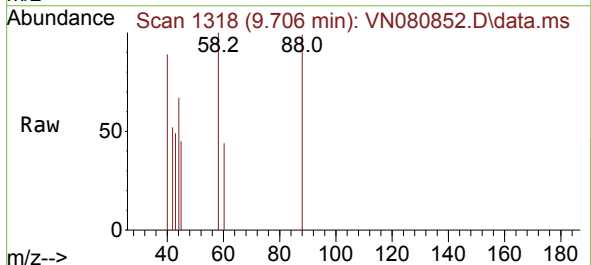
Instrument :
MSVOA_N
ClientSampleId :
1252

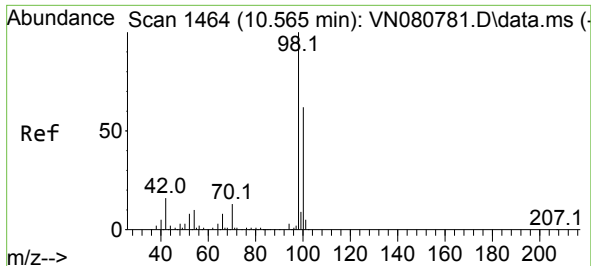
Tgt Ion: 43 Resp: 2034
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#49
1,4-Dioxane
Concen: 18.558 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.012 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Tgt Ion: 88 Resp: 454
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 116.5 63.9 95.9#

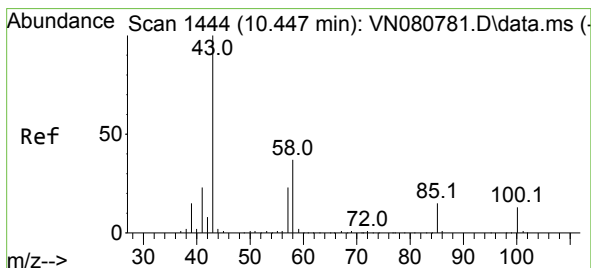
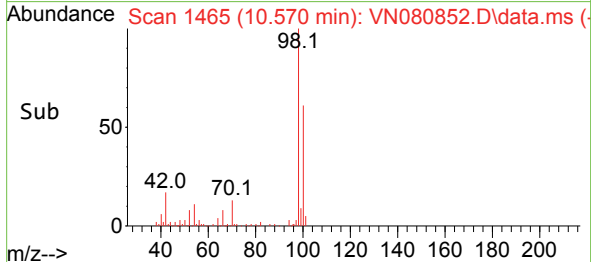
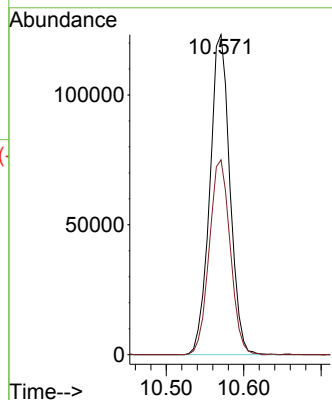
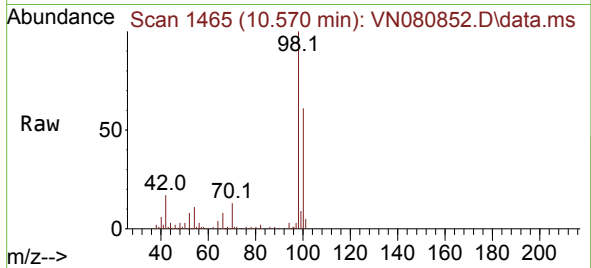




#50
Toluene-d8
Concen: 47.180 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

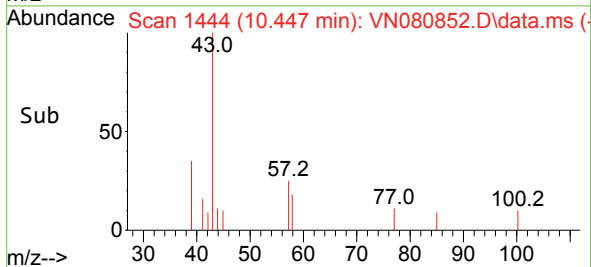
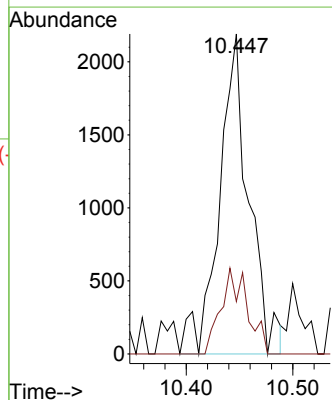
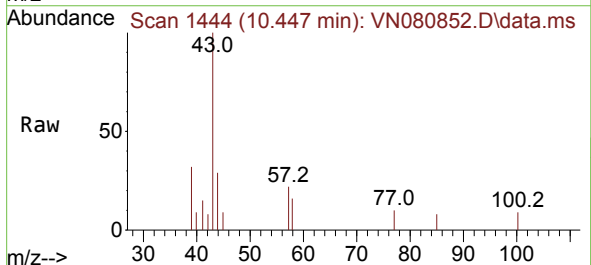
Instrument :
MSVOA_N
ClientSampleId :
1252

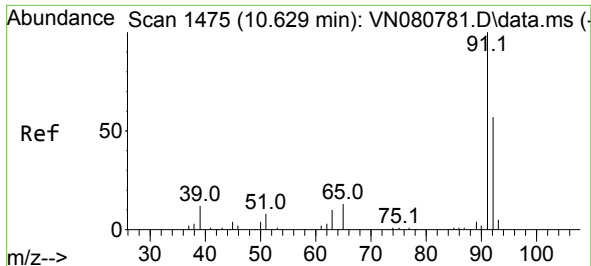
Tgt Ion: 98 Resp: 222074
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.806 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Tgt Ion: 43 Resp: 4229
Ion Ratio Lower Upper
43 100
58 23.9 29.4 44.0#

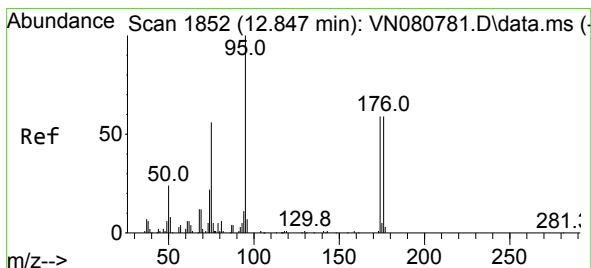
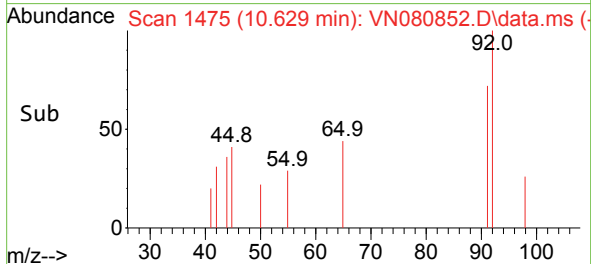
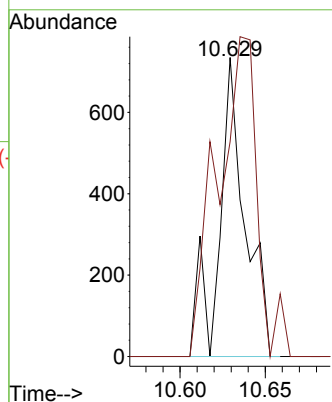
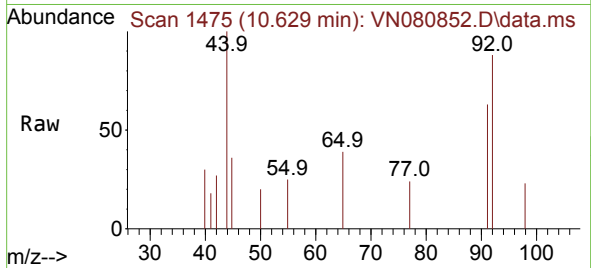




#52
Toluene
Concen: 0.208 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

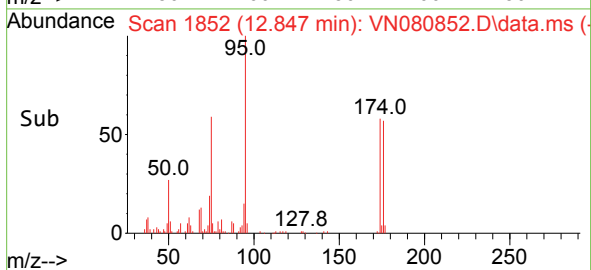
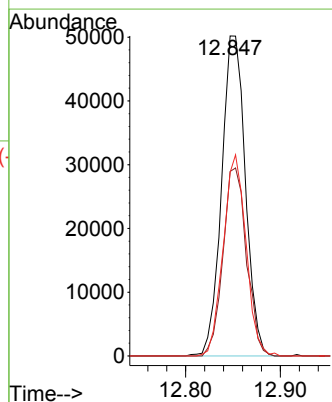
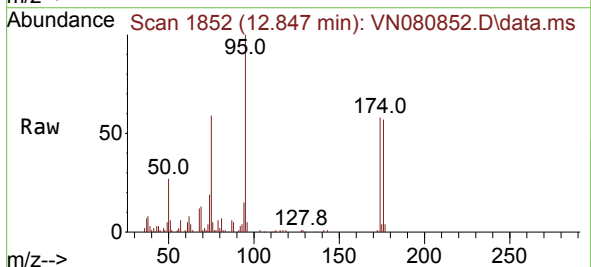
Instrument :
MSVOA_N
ClientSampleId :
1252

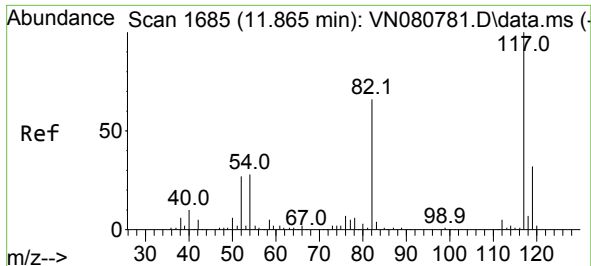
Tgt Ion: 92 Resp: 783
Ion Ratio Lower Upper
92 100
91 162.5 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 53.491 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Tgt Ion: 95 Resp: 87738
Ion Ratio Lower Upper
95 100
174 58.0 0.0 120.4
176 60.0 0.0 121.0

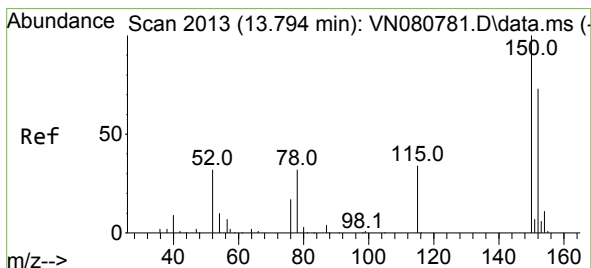
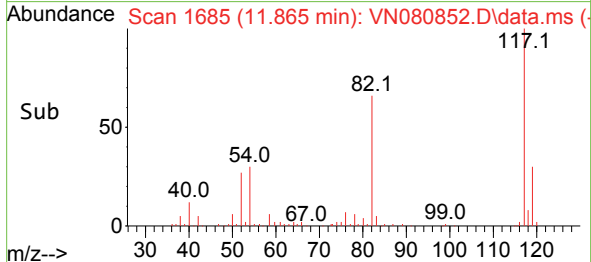
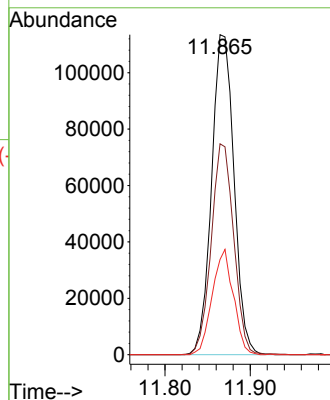
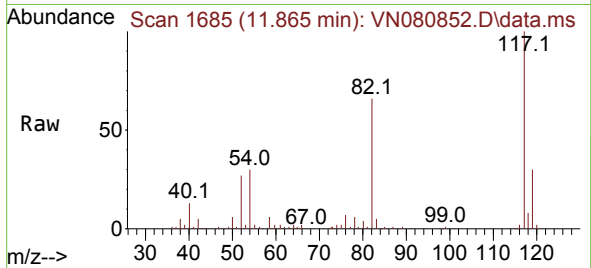




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

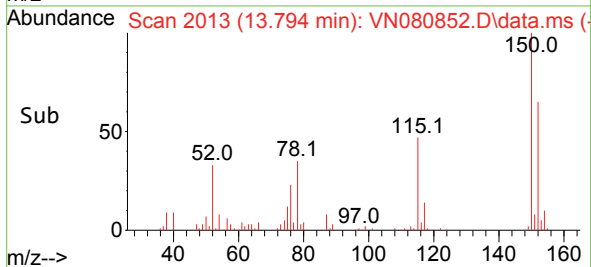
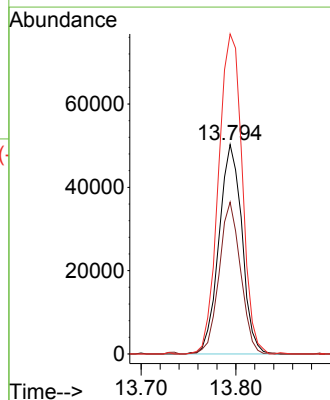
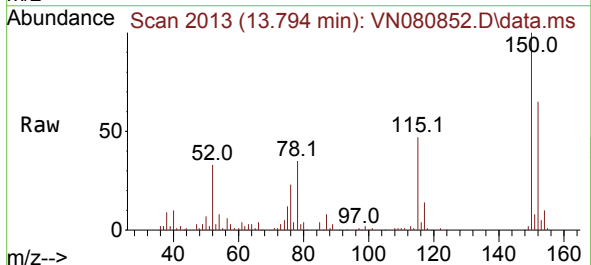
Instrument :
MSVOA_N
ClientSampleId :
1252

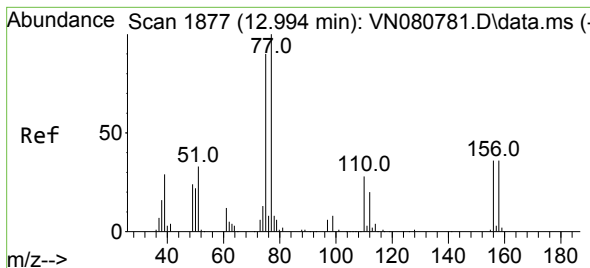
Tgt Ion:117 Resp: 207253
Ion Ratio Lower Upper
117 100
82 65.9 52.7 79.1
119 29.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Tgt Ion:152 Resp: 84723
Ion Ratio Lower Upper
152 100
115 67.9 32.3 96.8
150 157.5 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 20.288 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080852.D

Acq: 31 Jan 2024 19:54

Instrument :

MSVOA_N

ClientSampleId :

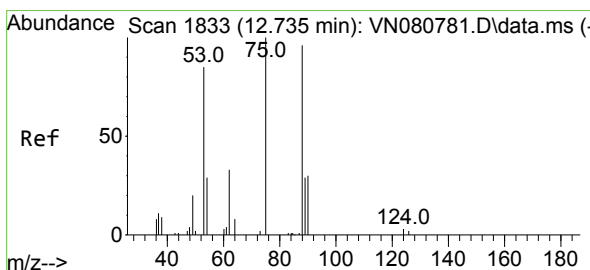
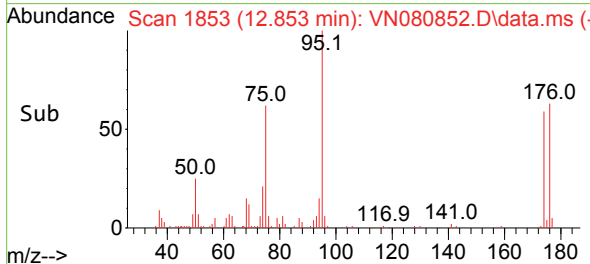
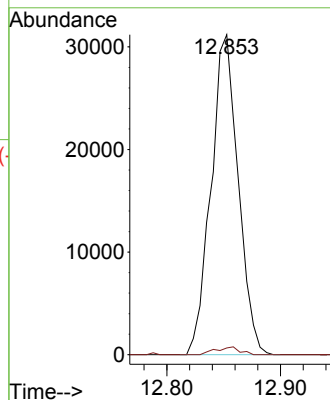
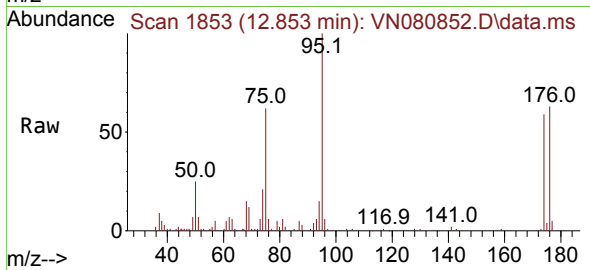
1252

Tgt Ion: 75 Resp: 51842

Ion Ratio Lower Upper

75 100

77 2.1 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.267 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080852.D

Acq: 31 Jan 2024 19:54

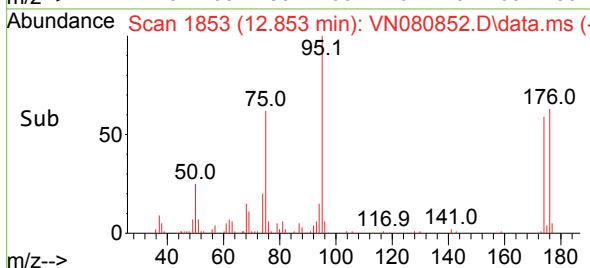
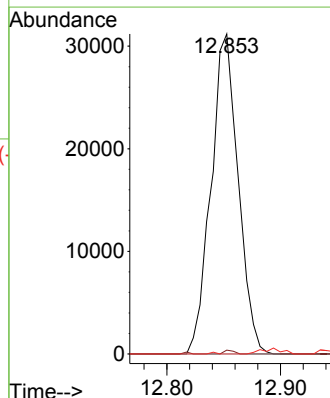
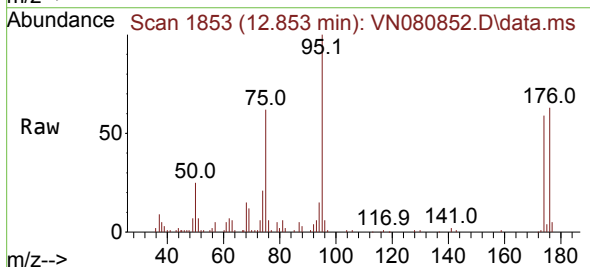
Tgt Ion: 75 Resp: 51842

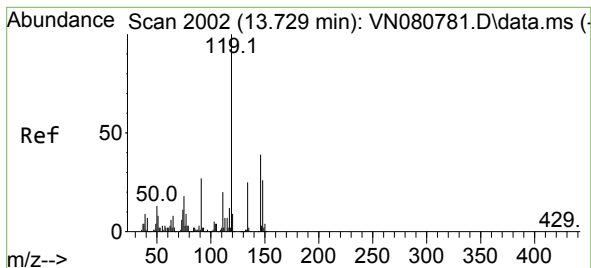
Ion Ratio Lower Upper

75 100

53 0.4 71.4 107.2#

89 0.1 33.4 50.0#

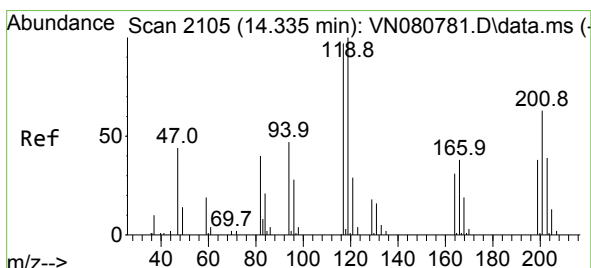
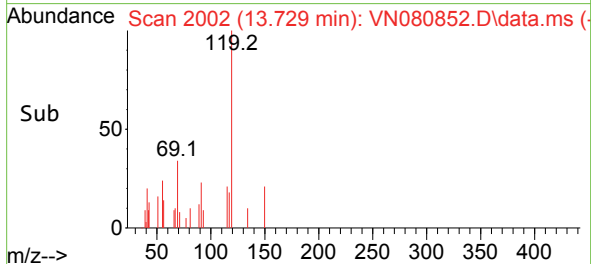
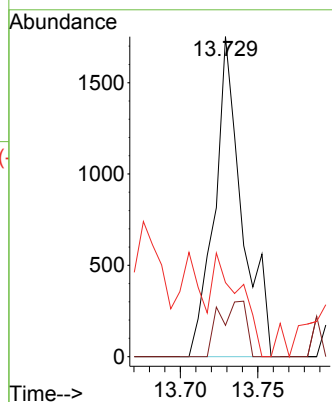
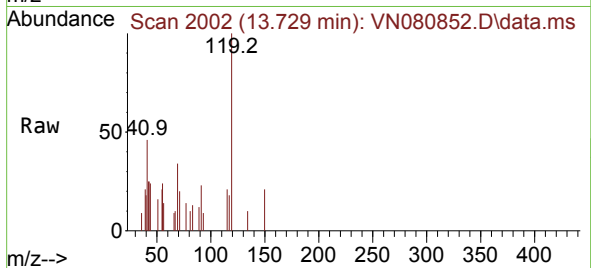




#86
p-Isopropyltoluene
Concen: 0.380 ug/l
RT: 13.729 min Scan# 2011
Delta R.T. -0.000 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
1252

Tgt Ion:119 Resp: 2147
Ion Ratio Lower Upper
119 100
134 17.2 12.4 37.2
91 31.9 13.5 40.4



#90
Hexachloroethane
Concen: 0.407 ug/l
RT: 14.394 min Scan# 2115
Delta R.T. 0.059 min
Lab File: VN080852.D
Acq: 31 Jan 2024 19:54

Tgt Ion:117 Resp: 403
Ion Ratio Lower Upper
117 100
201 0.0 30.0 90.0#

