

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080837.D
 Acq On : 31 Jan 2024 13:57
 Operator : JC\MD
 Sample : P1284-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1250

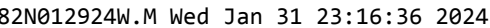
Quant Time: Jan 31 23:16:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

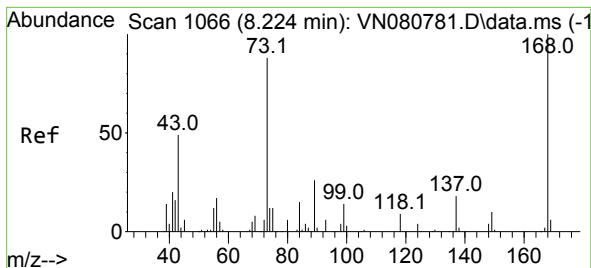
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	91311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	214208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	225323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	77794	49.247	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.500%
35) Dibromofluoromethane	8.165	113	60706	46.322	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.640%
50) Toluene-d8	10.565	98	247651	48.281	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.560%
62) 4-Bromofluorobenzene	12.853	95	97747	54.686	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.380%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	2250	1.104	ug/l #	85
6) Chloroethane	3.130	64	1152	1.394	ug/l #	42
11) Tert butyl alcohol	5.512	59	2525	9.806	ug/l #	93
13) Acrolein	4.189	56	1151	3.545	ug/l #	46
16) Acetone	4.430	43	28954	50.539	ug/l	96
17) Carbon Disulfide	4.706	76	3491	0.875	ug/l #	78
18) Methyl Acetate	5.012	43	9108	4.562	ug/l	93
20) Methylene Chloride	5.271	84	798	0.531	ug/l #	45
25) 2-Butanone	7.482	43	55162	50.692	ug/l	100
31) Cyclohexane	8.218	56	3544	1.308	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	9969	4.093	ug/l #	50
37) Ethyl Acetate	7.553	43	5449	2.173	ug/l #	90
38) Carbon Tetrachloride	8.224	117	10443	5.321	ug/l #	21
43) Isopropyl Acetate	8.529	43	14060	3.080	ug/l #	57
48) Methyl methacrylate	9.653	41	7255	3.278	ug/l #	49
49) 1,4-Dioxane	9.718	88	1077	40.398	ug/l #	37
52) Toluene	10.635	92	2786	0.679	ug/l	93
68) m/p-Xylenes	12.070	106	1590	0.490	ug/l	83
69) o-Xylene	12.394	106	1012	0.314	ug/l	34
74) N-amyl acetate	12.417	43	20225	3.874	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	57078	20.609	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57078	53.093	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.488	105	3855	0.568	ug/l	97
95) Naphthalene	15.647	128	1864	0.322	ug/l #	84

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

Quant Time: Jan 31 23:16:26 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: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080837.D

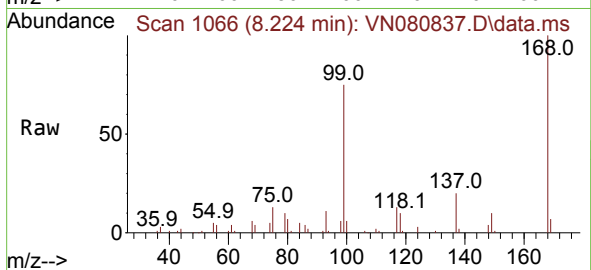
Acq: 31 Jan 2024 13:57

Instrument :

MSVOA_N

ClientSampleId :

1250

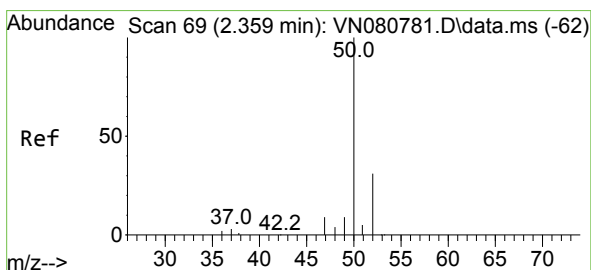
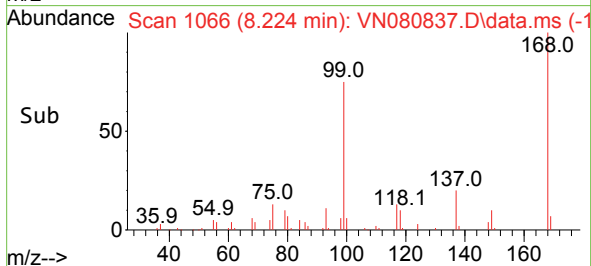
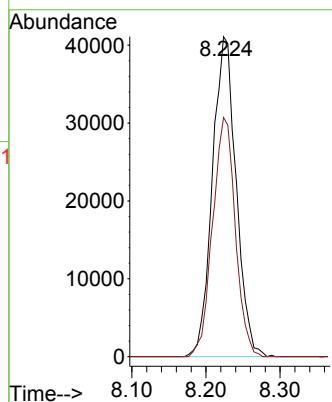


Tgt Ion:168 Resp: 91311

Ion Ratio Lower Upper

168 100

99 74.7 59.9 89.9



#3

Chloromethane

Concen: 1.104 ug/l

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN080837.D

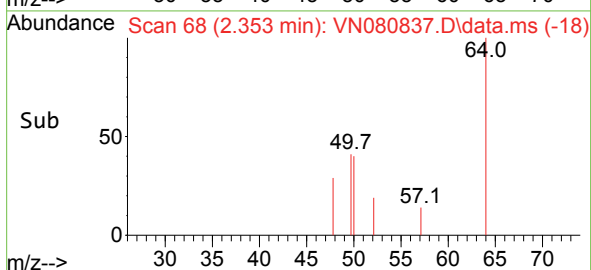
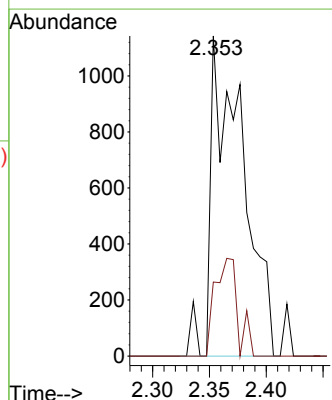
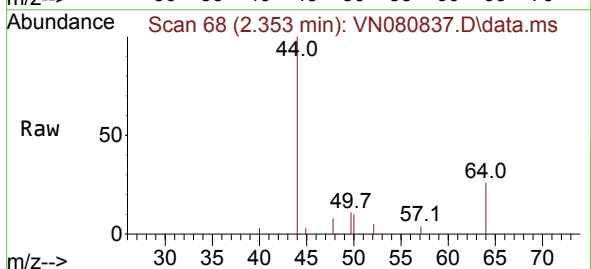
Acq: 31 Jan 2024 13:57

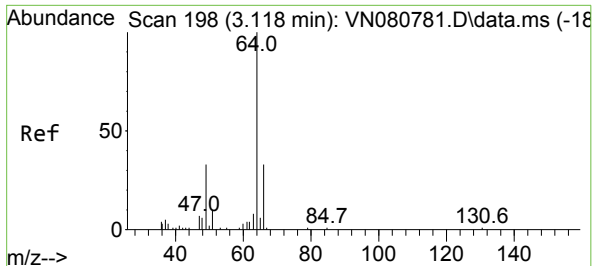
Tgt Ion: 50 Resp: 2250

Ion Ratio Lower Upper

50 100

52 23.1 25.0 37.4#

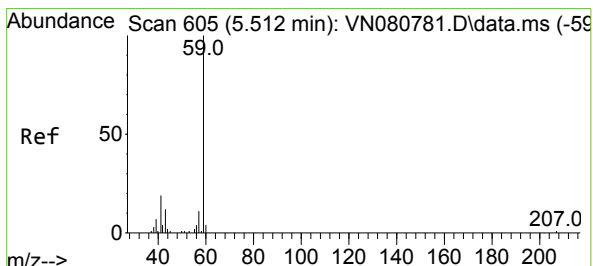
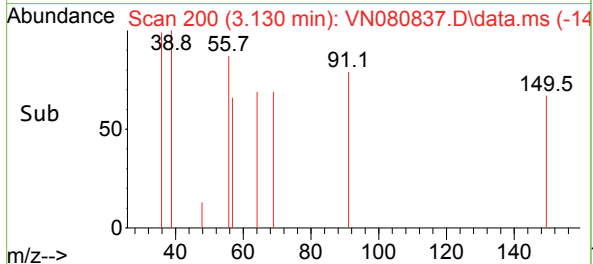
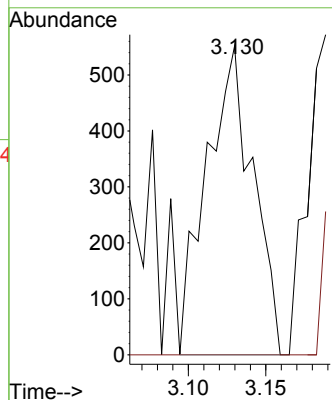
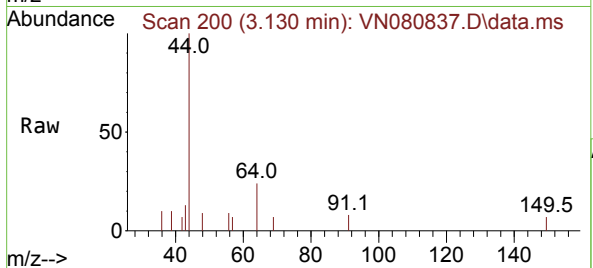




#6
Chloroethane
Concen: 1.394 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

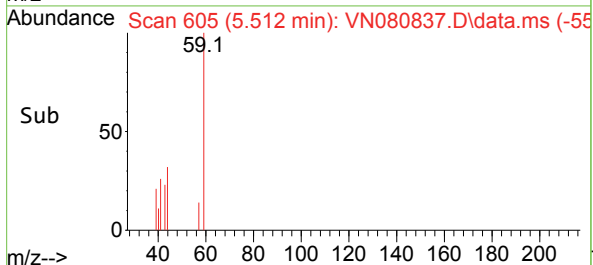
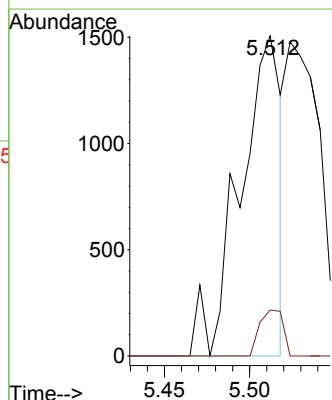
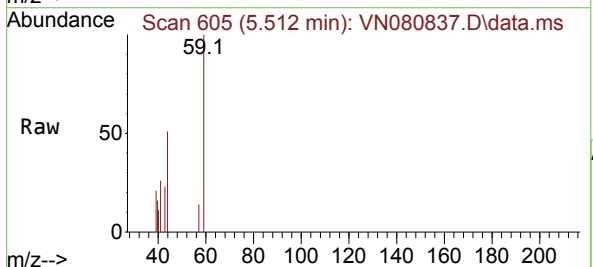
Instrument :
MSVOA_N
ClientSampleId :
1250

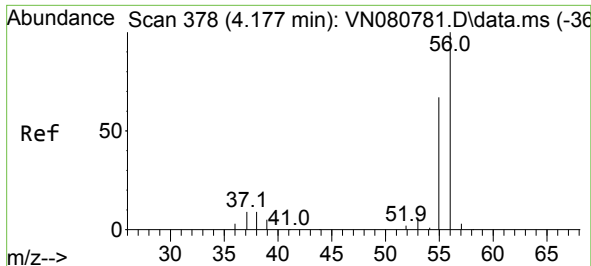
Tgt Ion: 64 Resp: 1152
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 9.806 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Tgt Ion: 59 Resp: 2525
Ion Ratio Lower Upper
59 100
57 8.2 8.6 12.8#

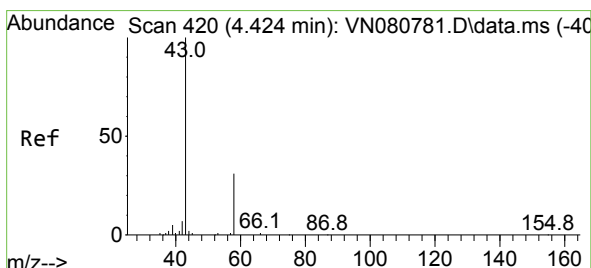
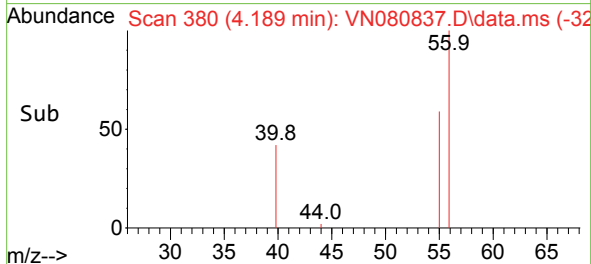
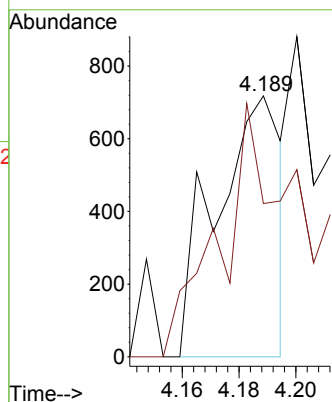
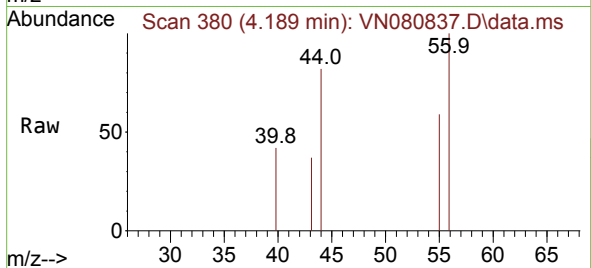




#13
Acrolein
Concen: 3.545 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

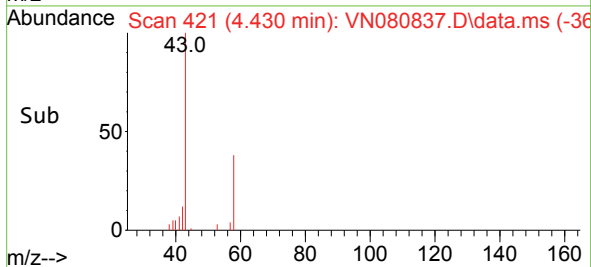
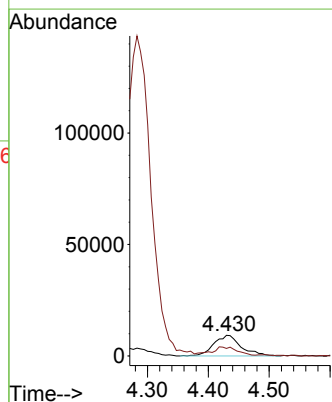
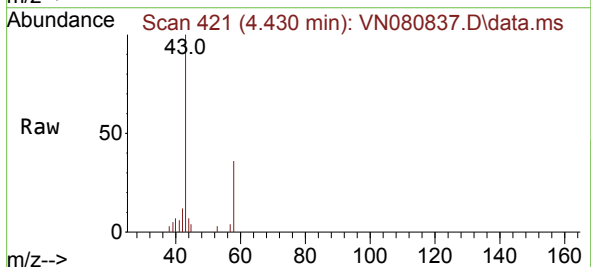
Instrument :
MSVOA_N
ClientSampleId :
1250

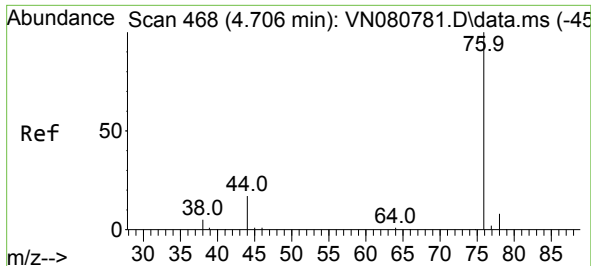
Tgt Ion: 56 Resp: 1151
Ion Ratio Lower Upper
56 100
55 112.9 55.3 82.9#



#16
Acetone
Concen: 50.539 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Tgt Ion: 43 Resp: 28954
Ion Ratio Lower Upper
43 100
58 33.2 24.8 37.2

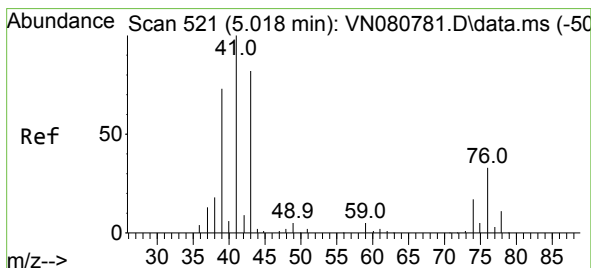
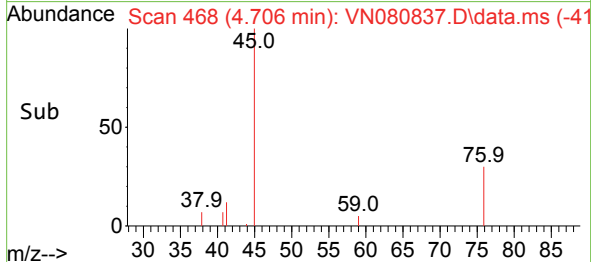
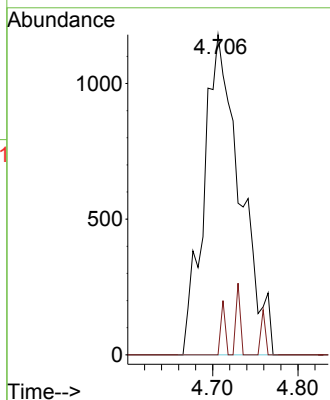
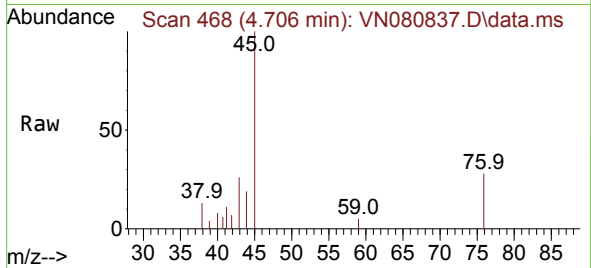




#17
Carbon Disulfide
Concen: 0.875 ug/l
RT: 4.706 min Scan# 412
Delta R.T. -0.000 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

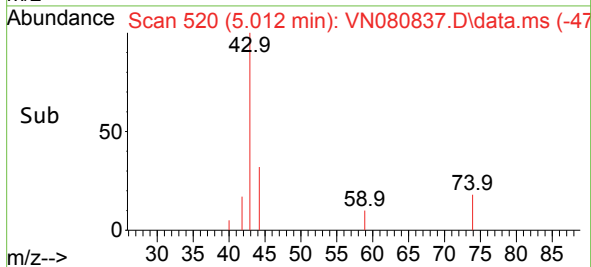
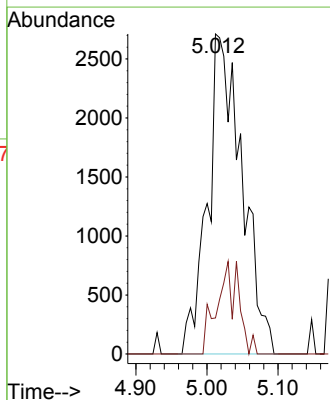
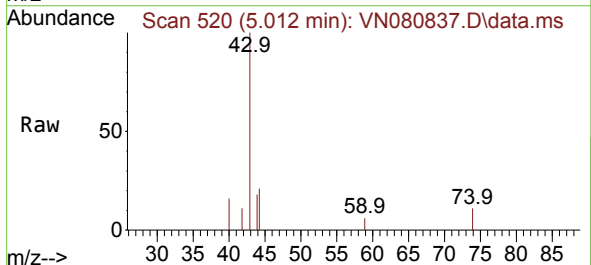
Instrument :
MSVOA_N
ClientSampleId :
1250

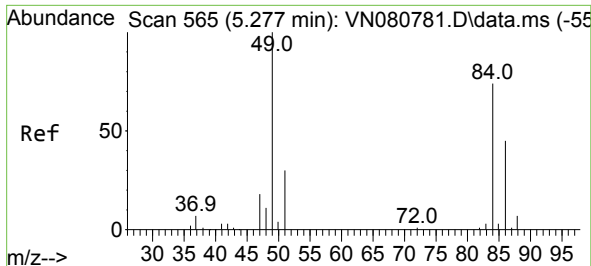
Tgt Ion: 76 Resp: 3491
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#18
Methyl Acetate
Concen: 4.562 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

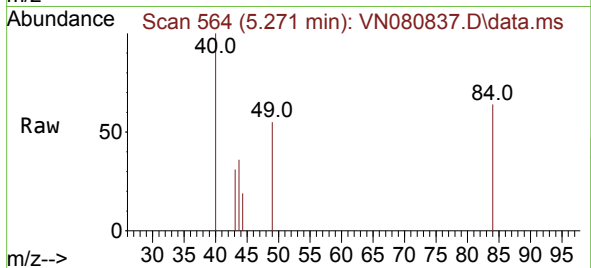
Tgt Ion: 43 Resp: 9108
Ion Ratio Lower Upper
43 100
74 18.2 17.3 25.9



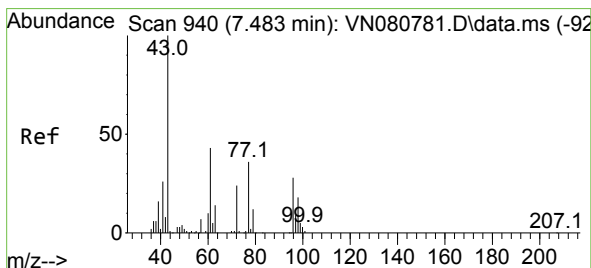
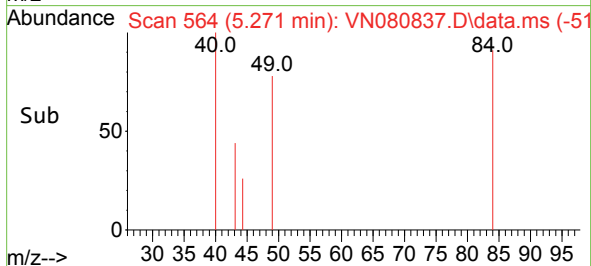
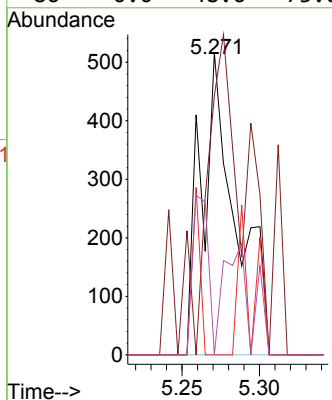


#20
Methylene Chloride
Concen: 0.531 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Instrument :
MSVOA_N
ClientSampleId :
1250

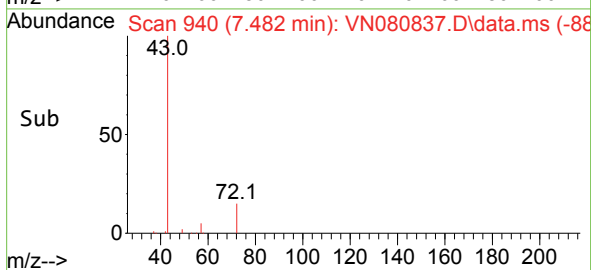
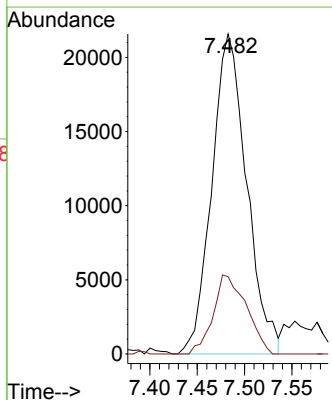
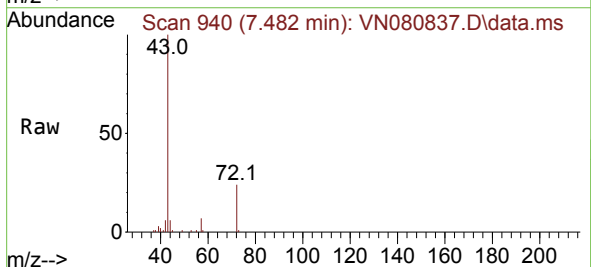


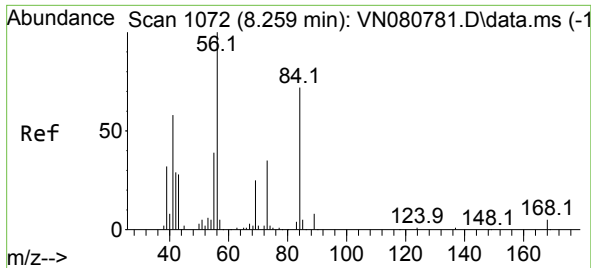
Tgt Ion:	84	Resp:	798
Ion	Ratio	Lower	Upper
84	100		
49	85.9	108.1	162.1#
51	0.0	32.9	49.3#
86	0.0	48.6	73.0#



#25
2-Butanone
Concen: 50.692 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Tgt Ion:	43	Resp:	55162
Ion	Ratio	Lower	Upper
43	100		
72	24.2	19.5	29.3

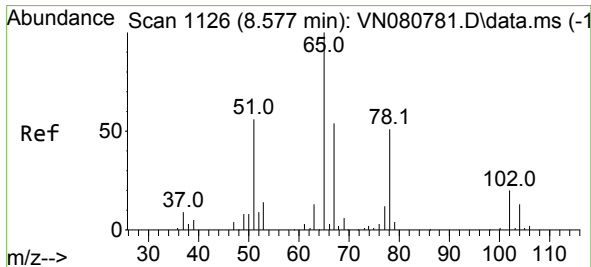
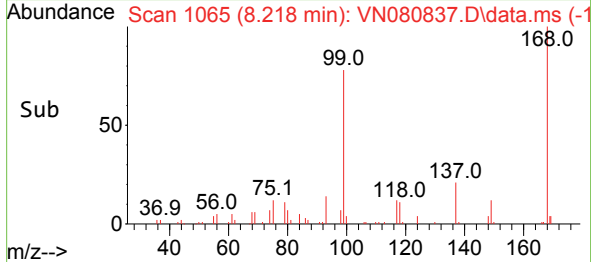
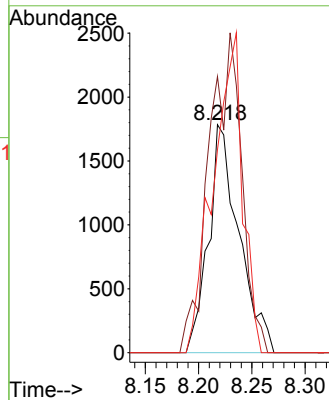
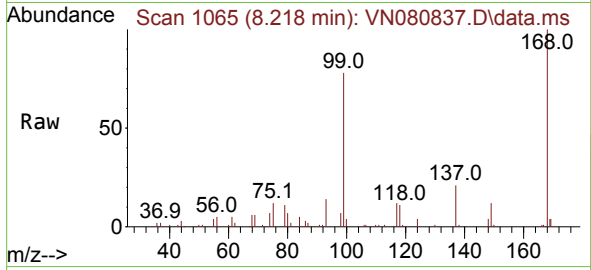




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

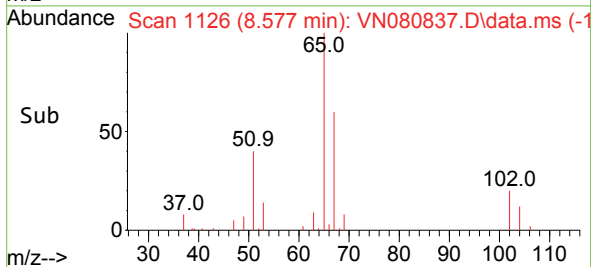
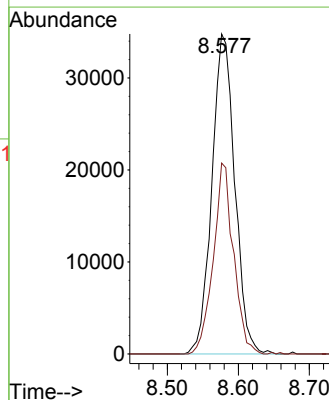
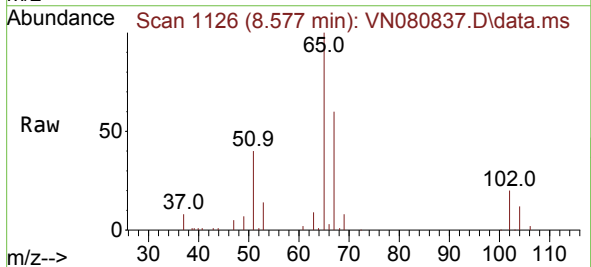
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MSVOA_N
ClientSampleId :
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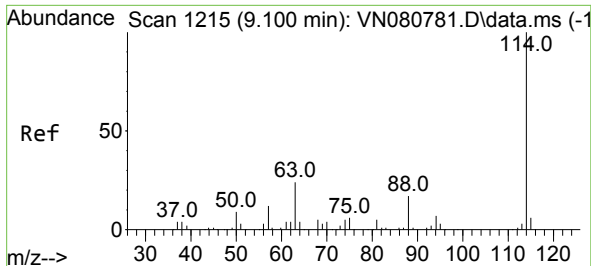
Tgt Ion: 56 Resp: 3544
Ion Ratio Lower Upper
56 100
69 121.1 20.1 30.1#
84 89.1 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 49.247 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Tgt Ion: 65 Resp: 77794
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080837.D

Acq: 31 Jan 2024 13:57

Instrument :

MSVOA_N

ClientSampleId :

1250

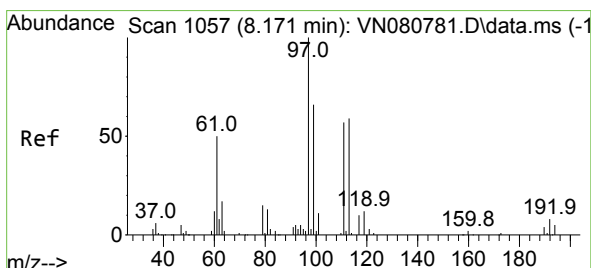
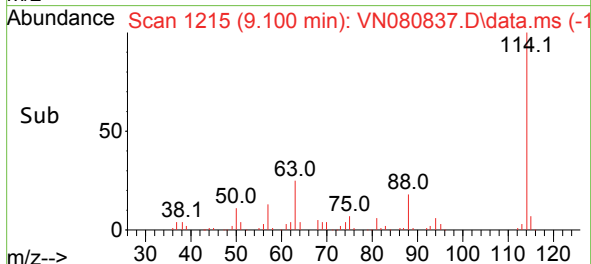
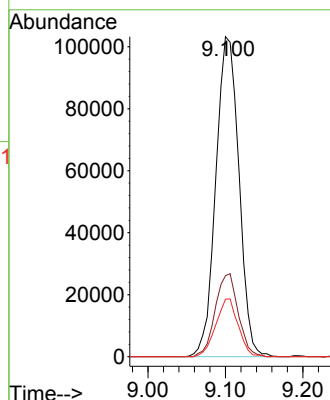
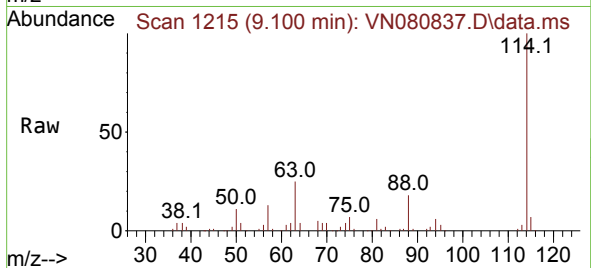
Tgt Ion:114 Resp: 214208

Ion Ratio Lower Upper

114 100

63 25.3 0.0 48.0

88 17.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 46.322 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080837.D

Acq: 31 Jan 2024 13:57

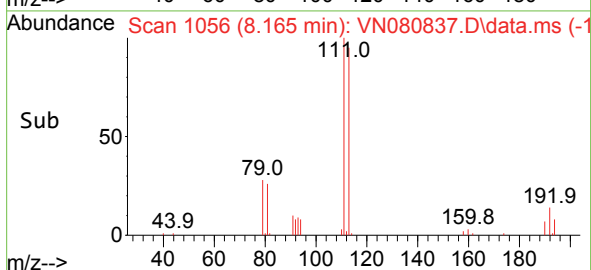
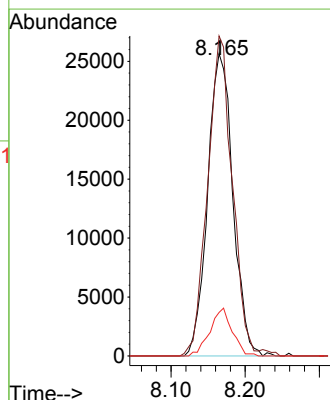
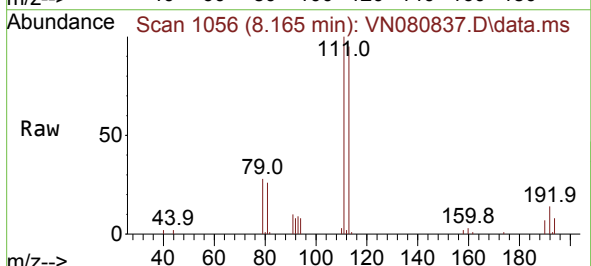
Tgt Ion:113 Resp: 60706

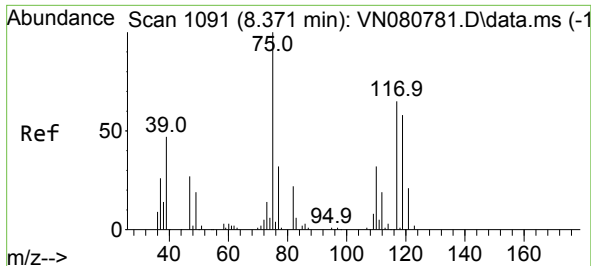
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

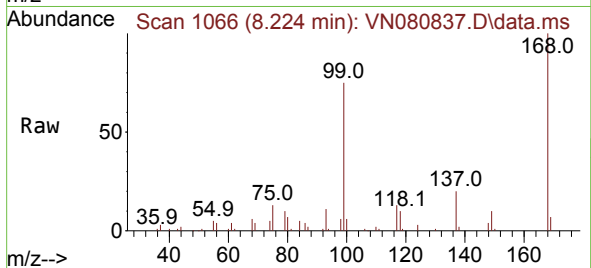
192 14.0 12.5 18.7



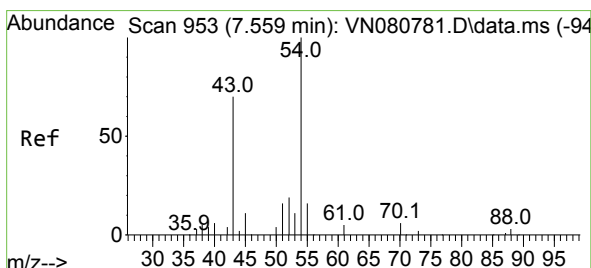
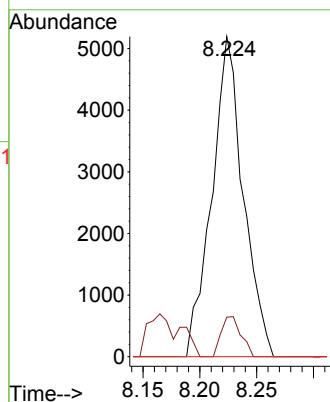
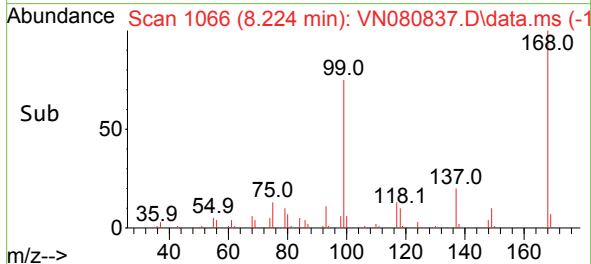


#36
1,1-Dichloropropene
Concen: 4.093 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

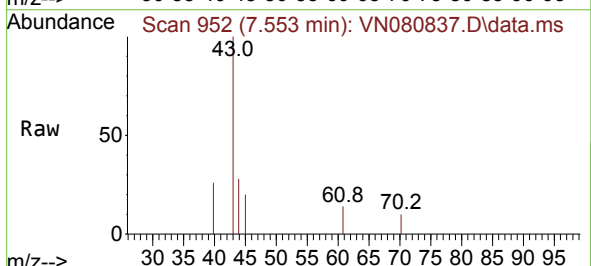
Instrument :
MSVOA_N
ClientSampleId :
1250



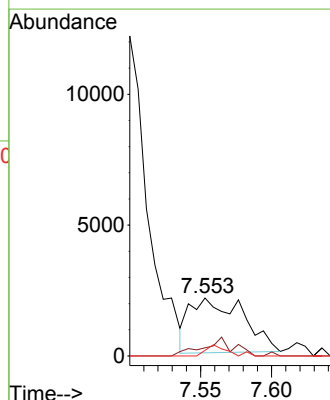
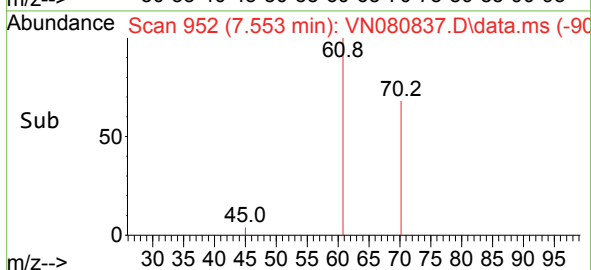
Tgt Ion: 75 Resp: 9969
Ion Ratio Lower Upper
75 100
110 7.9 16.0 48.0#
77 0.0 25.8 38.6#

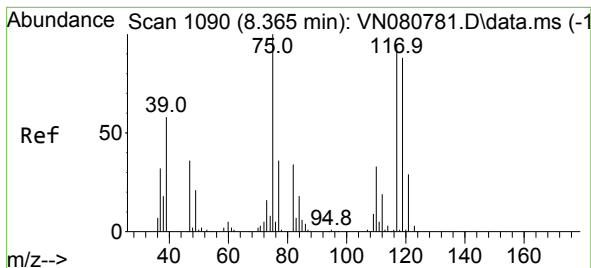


#37
Ethyl Acetate
Concen: 2.173 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57



Tgt Ion: 43 Resp: 5449
Ion Ratio Lower Upper
43 100
61 18.9 10.6 15.8#
70 8.1 8.0 12.0





#38

Carbon Tetrachloride

Concen: 5.321 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

Lab File: VN080837.D

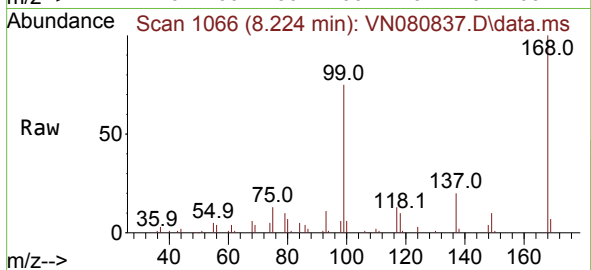
Acq: 31 Jan 2024 13:57

Instrument :

MSVOA_N

ClientSampleId :

1250



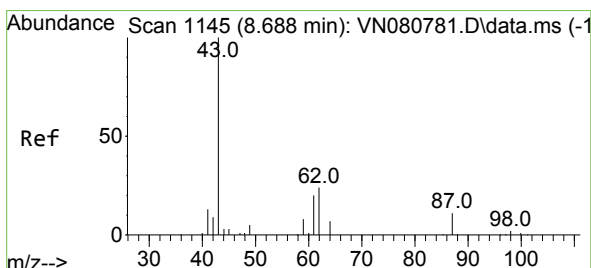
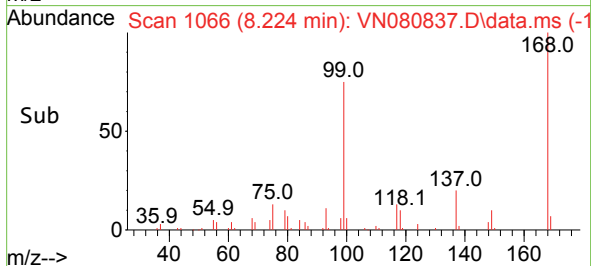
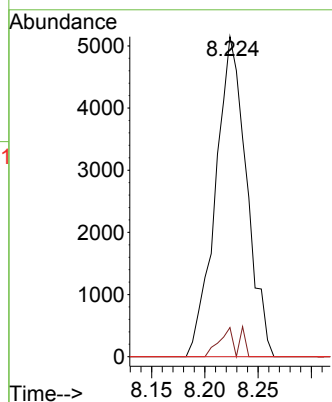
Tgt Ion:117 Resp: 10443

Ion Ratio Lower Upper

117 100

119 9.1 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 3.080 ug/l

RT: 8.529 min Scan# 1118

Delta R.T. -0.159 min

Lab File: VN080837.D

Acq: 31 Jan 2024 13:57

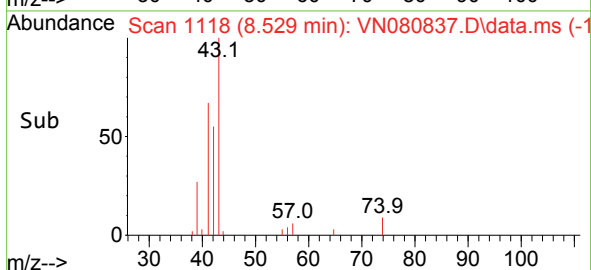
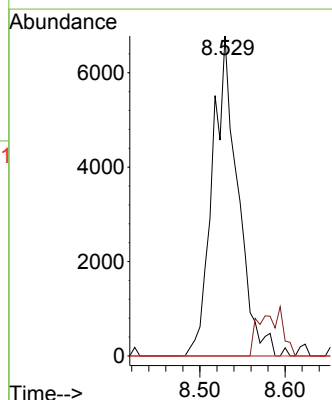
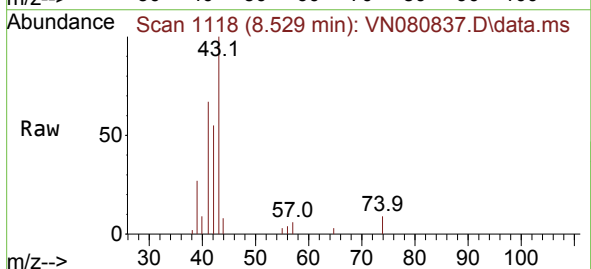
Tgt Ion: 43 Resp: 14060

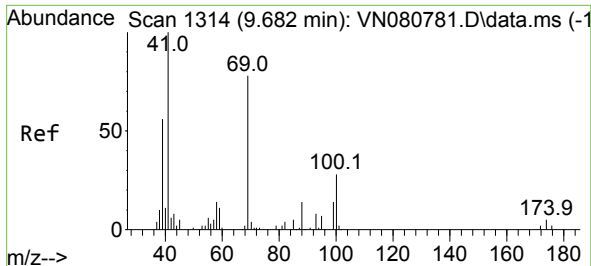
Ion Ratio Lower Upper

43 100

61 0.0 19.9 29.9#

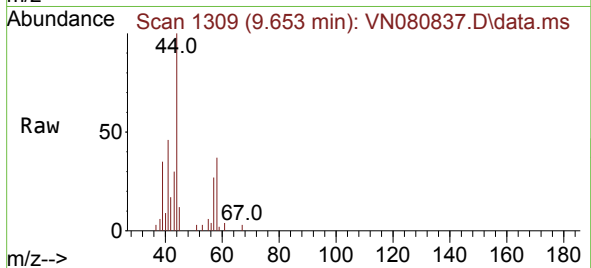
87 0.0 9.0 13.6#



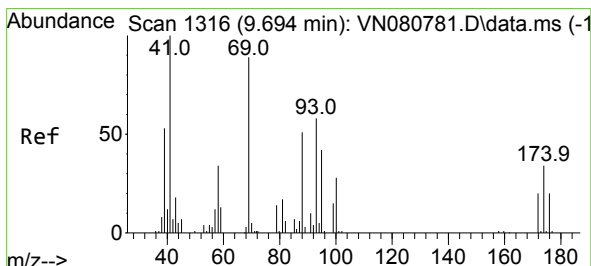
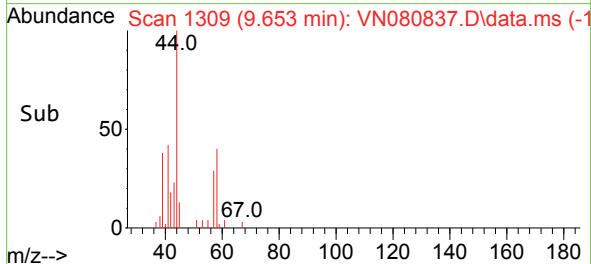
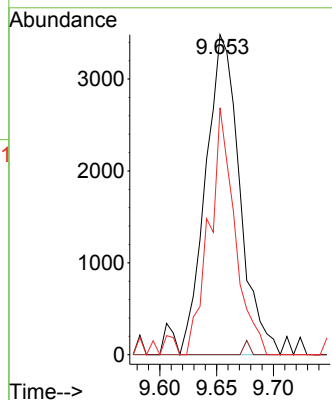


#48
Methyl methacrylate
Concen: 3.278 ug/l
RT: 9.653 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Instrument :
MSVOA_N
ClientSampleId :
1250

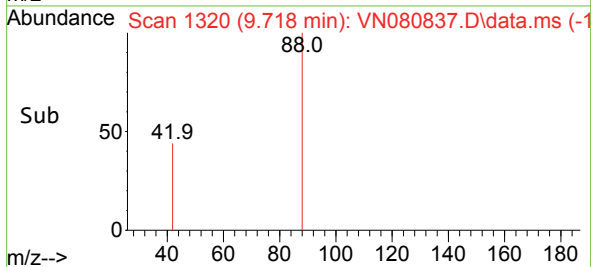
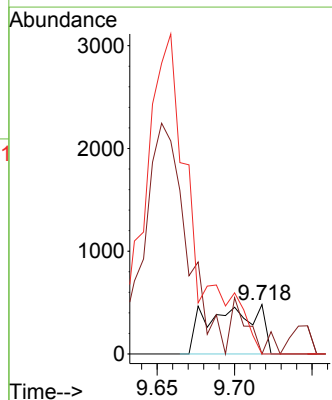
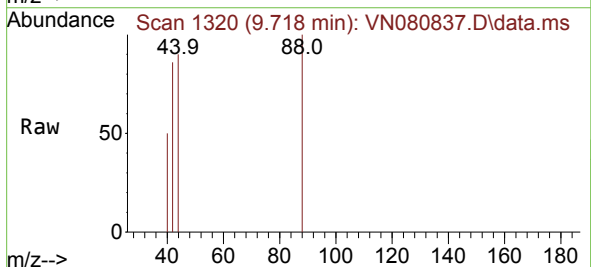


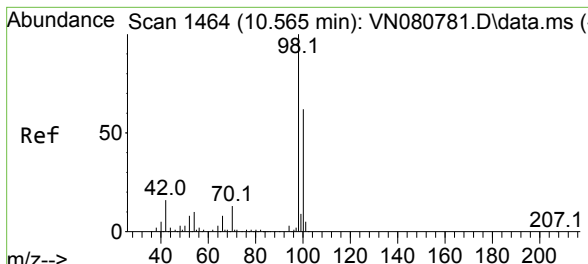
Tgt Ion: 41 Resp: 7255
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 58.1 47.6 71.4



#49
1,4-Dioxane
Concen: 40.398 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.023 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Tgt Ion: 88 Resp: 1077
Ion Ratio Lower Upper
88 100
43 35.7 30.1 45.1
58 0.0 63.9 95.9#

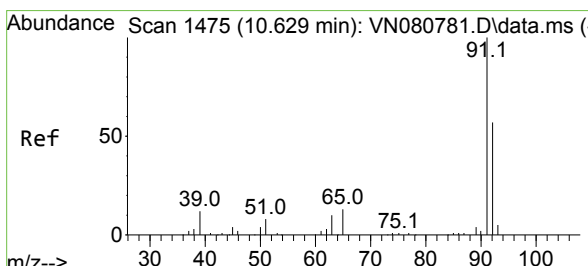
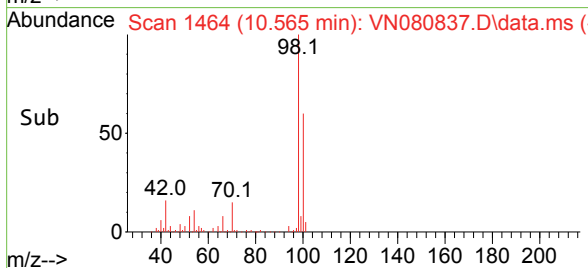
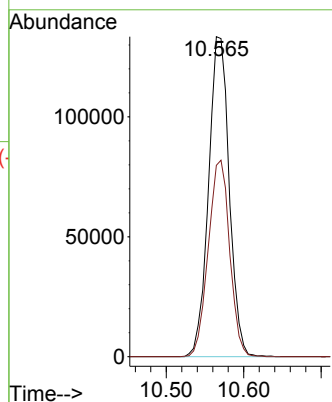
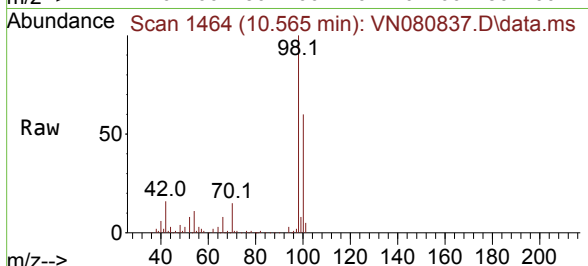




#50
Toluene-d8
Concen: 48.281 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

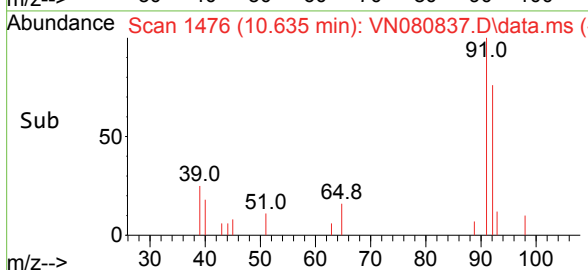
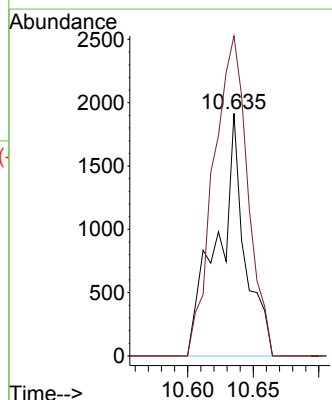
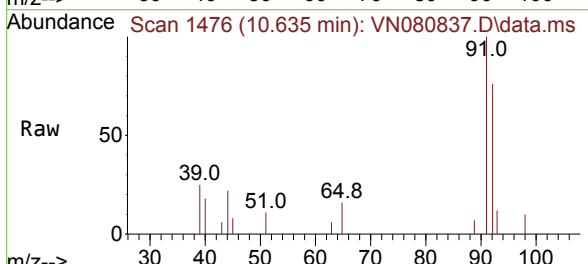
Instrument :
MSVOA_N
ClientSampleId :
1250

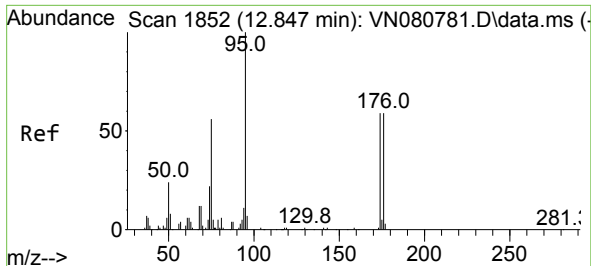
Tgt Ion: 98 Resp: 247651
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.0



#52
Toluene
Concen: 0.679 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Tgt Ion: 92 Resp: 2786
Ion Ratio Lower Upper
92 100
91 164.3 139.4 209.0

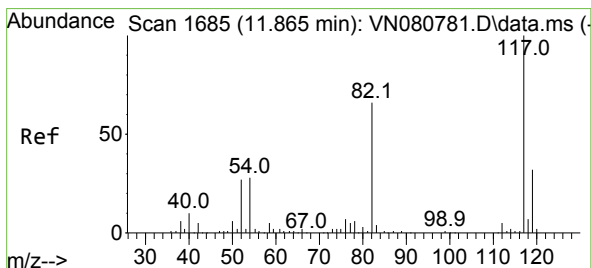
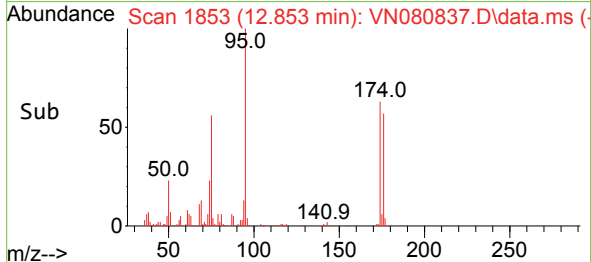
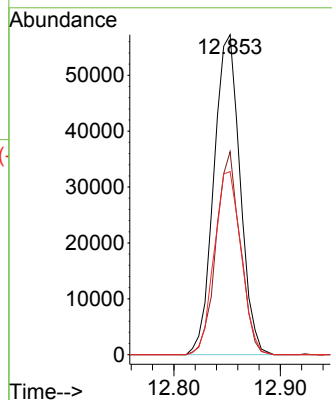
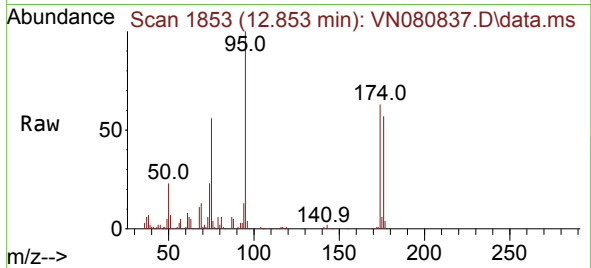




#62
4-Bromofluorobenzene
Concen: 54.686 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

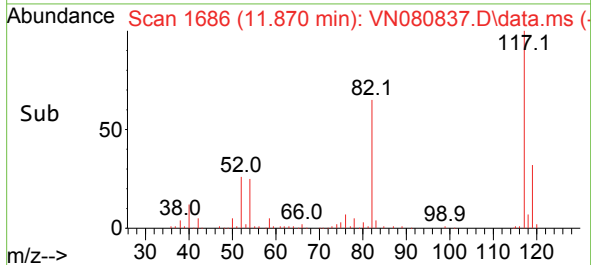
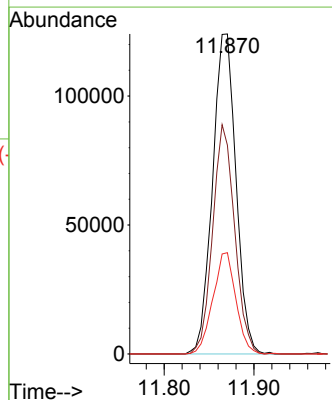
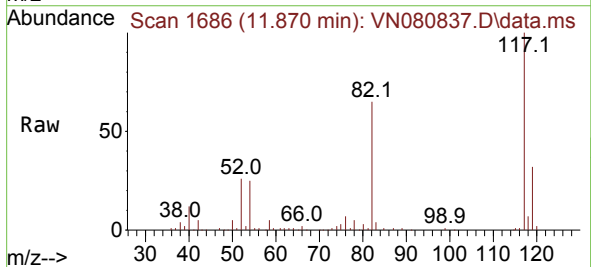
Instrument :
MSVOA_N
ClientSampleId :
1250

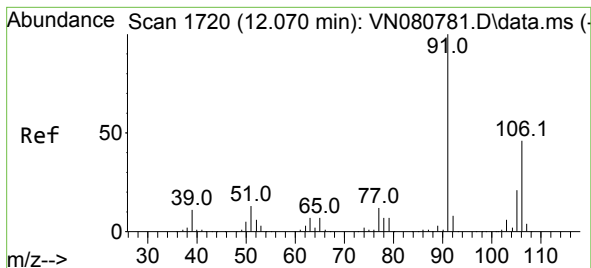
Tgt Ion: 95 Resp: 97747
Ion Ratio Lower Upper
95 100
174 58.6 0.0 120.4
176 58.6 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Tgt Ion: 117 Resp: 225323
Ion Ratio Lower Upper
117 100
82 65.3 52.7 79.1
119 31.7 25.3 37.9

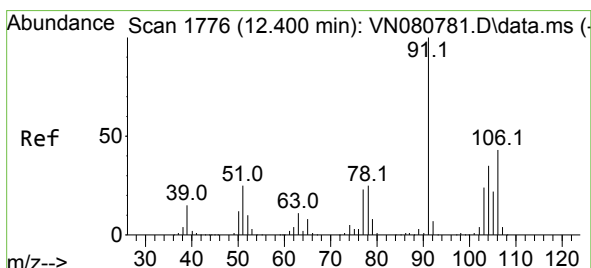
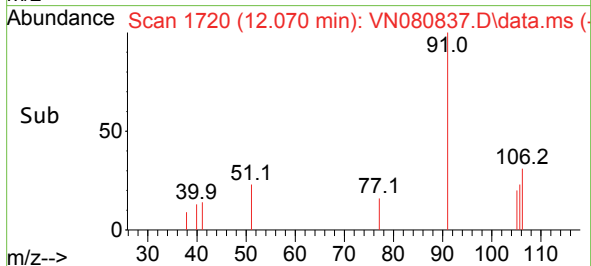
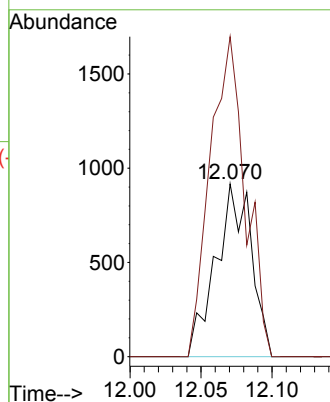
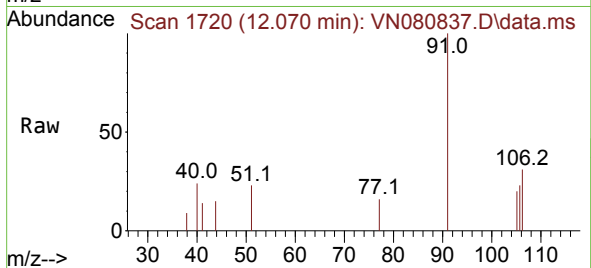




#68
m/p-Xylenes
Concen: 0.490 ug/l
RT: 12.070 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

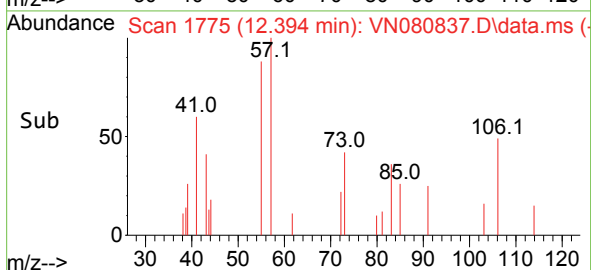
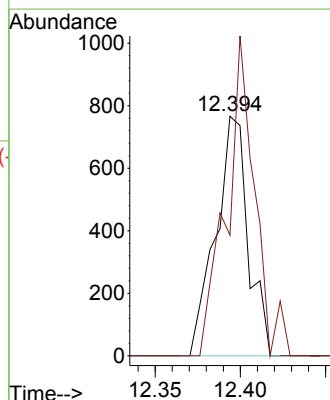
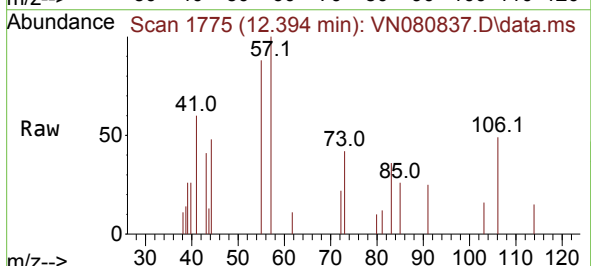
Instrument :
MSVOA_N
ClientSampleId :
1250

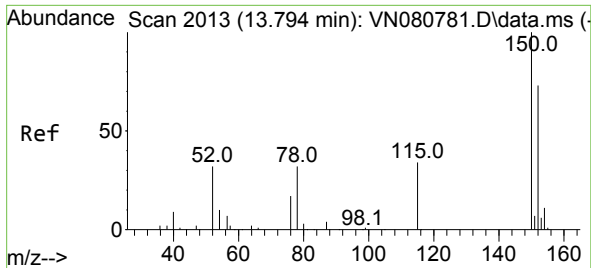
Tgt Ion:106 Resp: 1590
Ion Ratio Lower Upper
106 100
91 184.5 169.0 253.6



#69
o-Xylene
Concen: 0.314 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Tgt Ion:106 Resp: 1012
Ion Ratio Lower Upper
106 100
91 116.0 112.1 336.3

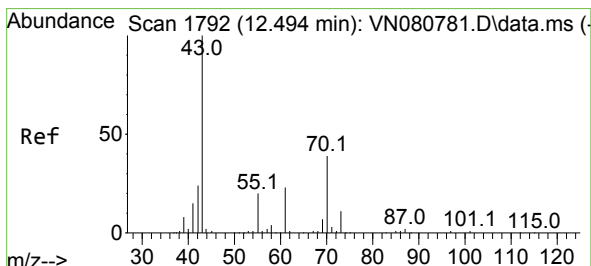
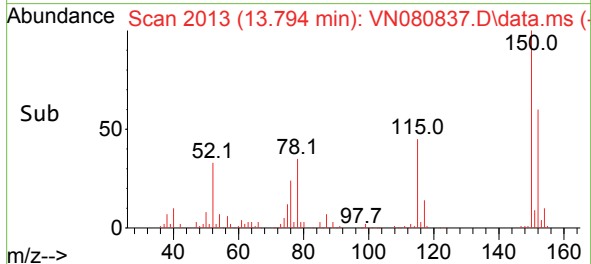
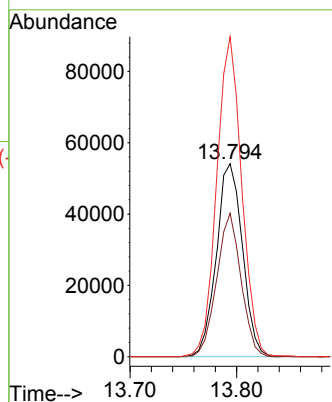
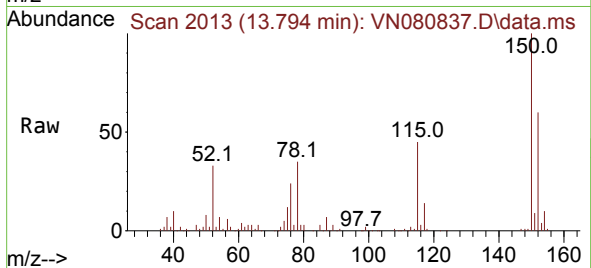




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

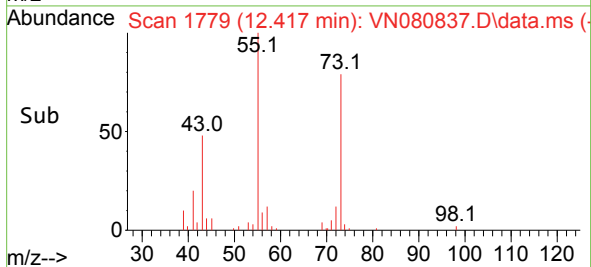
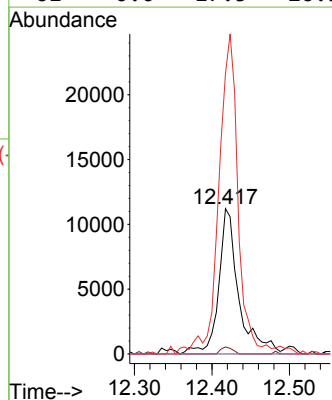
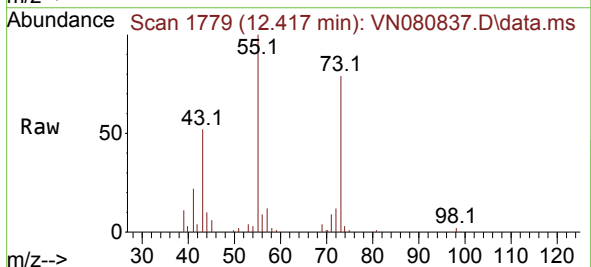
Instrument :
MSVOA_N
ClientSampleId :
1250

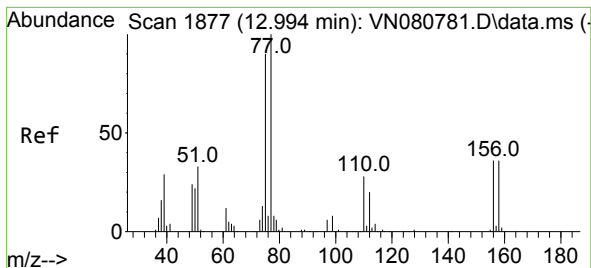
Tgt Ion:152 Resp: 91828
Ion Ratio Lower Upper
152 100
115 69.3 32.3 96.8
150 159.0 0.0 339.8



#74
N-ethyl acetate
Concen: 3.874 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. -0.077 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Tgt Ion: 43 Resp: 20225
Ion Ratio Lower Upper
43 100
70 2.8 30.1 45.1#
55 210.3 17.0 25.4#
61 0.0 17.5 26.3#

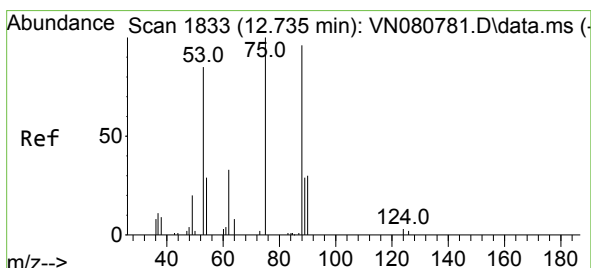
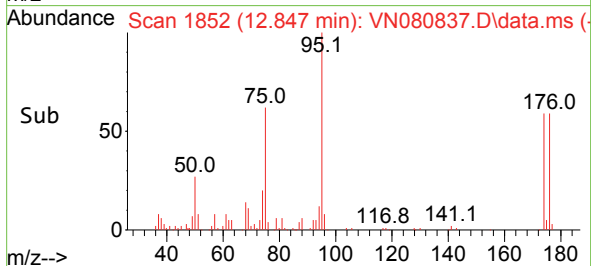
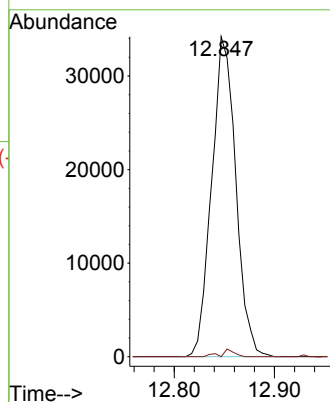
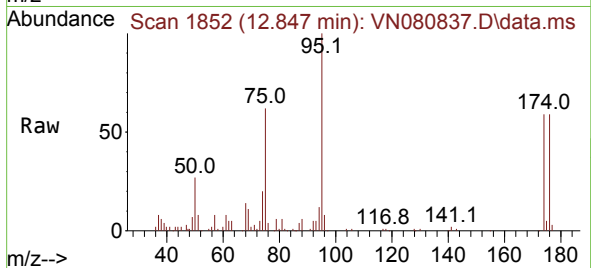




#76
1,2,3-Trichloropropane
Concen: 20.609 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

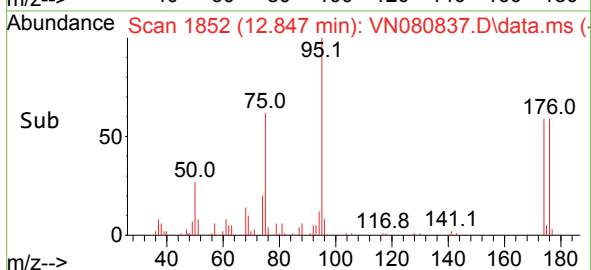
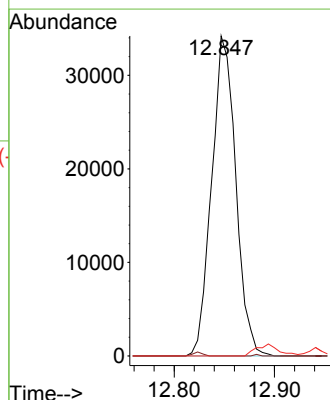
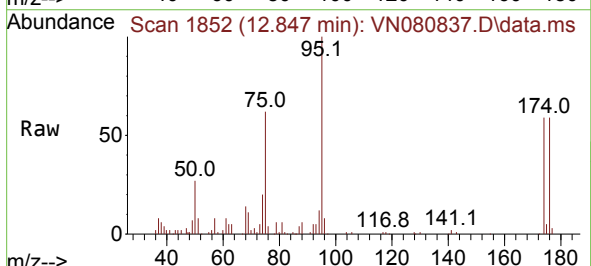
Instrument :
MSVOA_N
ClientSampleId :
1250

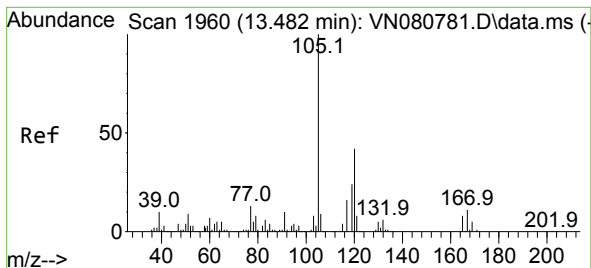
Tgt Ion: 75 Resp: 57078
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.093 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080837.D
Acq: 31 Jan 2024 13:57

Tgt Ion: 75 Resp: 57078
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.568 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VN080837.D

Acq: 31 Jan 2024 13:57

Instrument :

MSVOA_N

ClientSampleId :

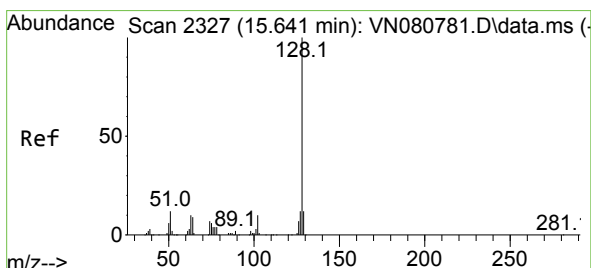
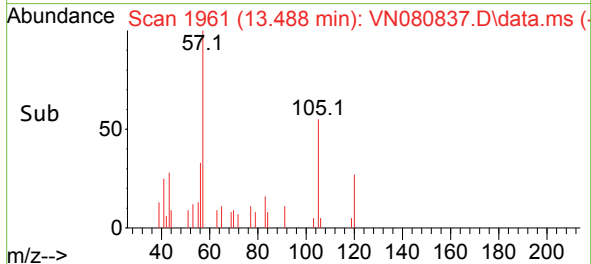
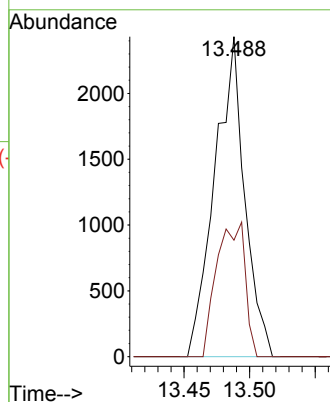
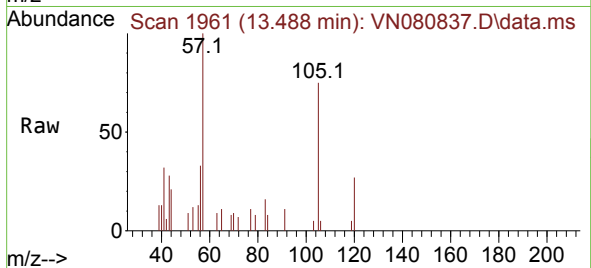
1250

Tgt Ion:105 Resp: 3855

Ion Ratio Lower Upper

105 100

120 39.8 20.9 62.7



#95

Naphthalene

Concen: 0.322 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN080837.D

Acq: 31 Jan 2024 13:57

Tgt Ion:128 Resp: 1864

Ion Ratio Lower Upper

128 100

127 6.5 10.0 15.0#

129 4.2 8.7 13.1#

