

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080853.D
 Acq On : 31 Jan 2024 20:18
 Operator : JC\MD
 Sample : P1284-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1253

Quant Time: Jan 31 23:22:48 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	8.230	168	84852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	208848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	222337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104079	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	80511	54.847	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.700%	
35) Dibromofluoromethane	8.171	113	59380	46.473	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.940%	
50) Toluene-d8	10.565	98	233564	46.704	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.400%	
62) 4-Bromofluorobenzene	12.853	95	103147	59.188	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 118.380%	

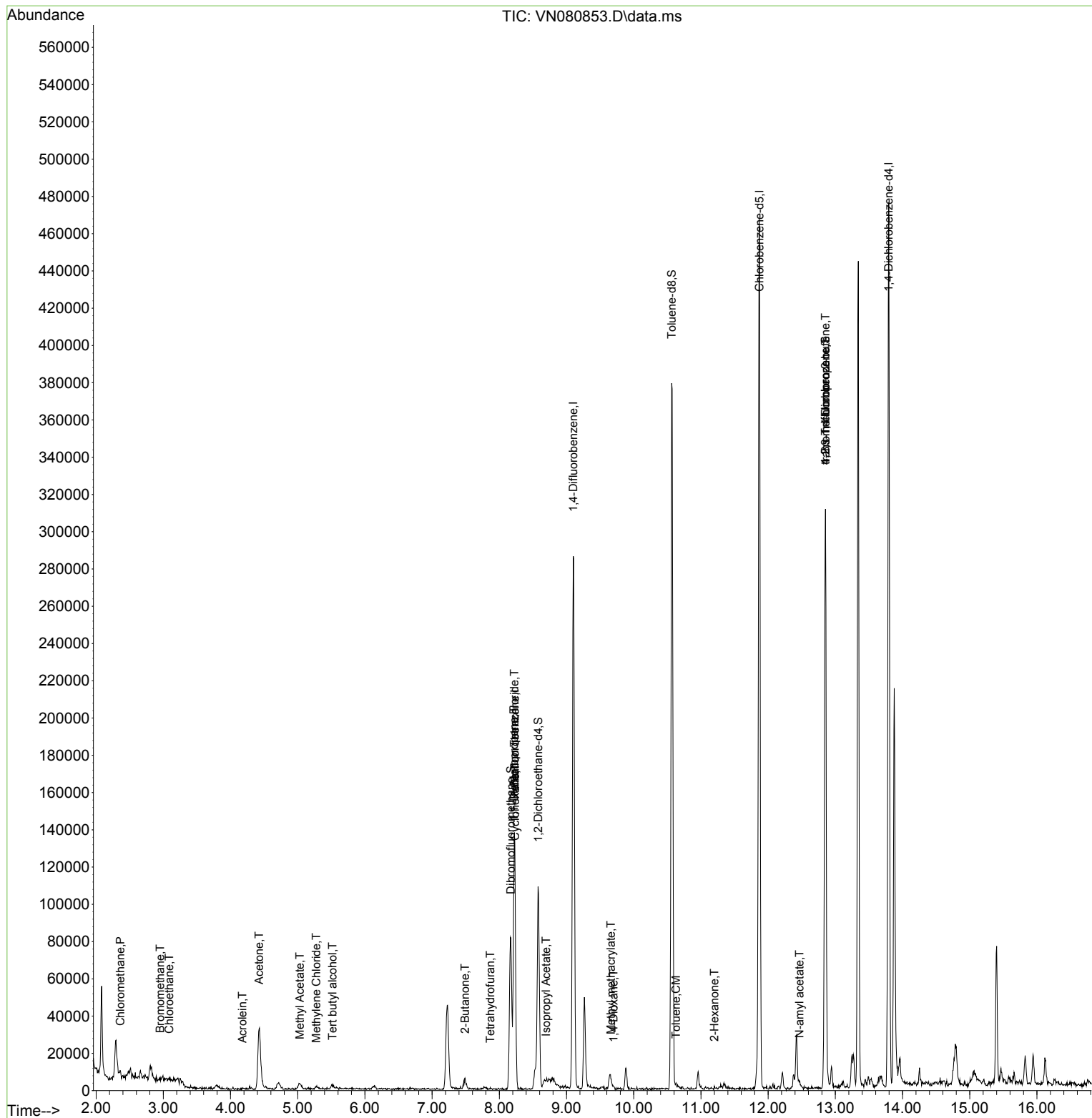
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1836	0.969	ug/l #	87
5) Bromomethane	2.954	94	119	0.207	ug/l #	6
6) Chloroethane	3.089	64	180	0.234	ug/l #	42
11) Tert butyl alcohol	5.518	59	3557	14.865	ug/l #	76
13) Acrolein	4.177	56	115	0.381	ug/l	96
16) Acetone	4.424	43	61758	116.005	ug/l	92
18) Methyl Acetate	5.030	43	6742	3.634	ug/l	95
20) Methylene Chloride	5.277	84	482	0.345	ug/l #	63
25) 2-Butanone	7.489	43	8945	8.846	ug/l	91
29) Tetrahydrofuran	7.865	42	138	0.202	ug/l #	38
31) Cyclohexane	8.236	56	3394	1.348	ug/l #	30
36) 1,1-Dichloropropene	8.218	75	10696	4.504	ug/l #	47
38) Carbon Tetrachloride	8.224	117	10213	5.337	ug/l #	14
43) Isopropyl Acetate	8.694	43	6733	1.513	ug/l #	58
48) Methyl methacrylate	9.659	41	3319	1.538	ug/l #	47
49) 1,4-Dioxane	9.700	88	357	13.735	ug/l #	1
52) Toluene	10.630	92	920	0.230	ug/l	85
59) 2-Hexanone	11.200	43	491	0.254	ug/l	75
74) N-amyl acetate	12.465	43	2213	0.374	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	64319	20.490	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	64319	52.786	ug/l #	14

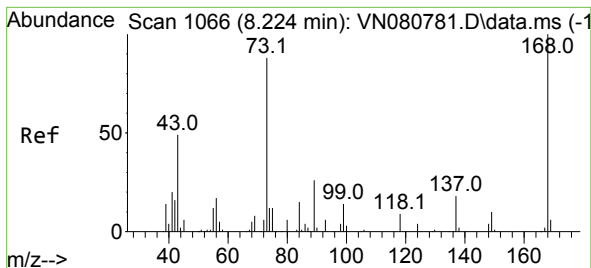
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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1253

Quant Time: Jan 31 23:22:48 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

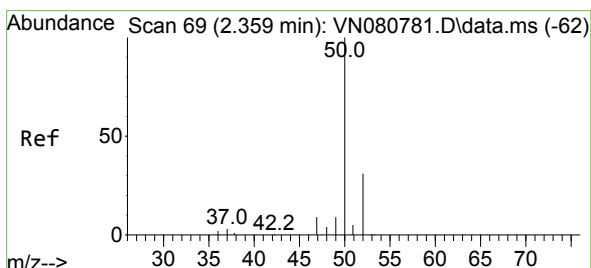
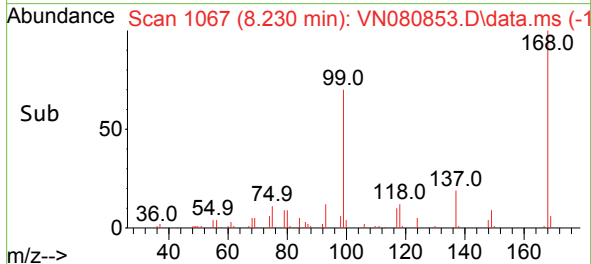
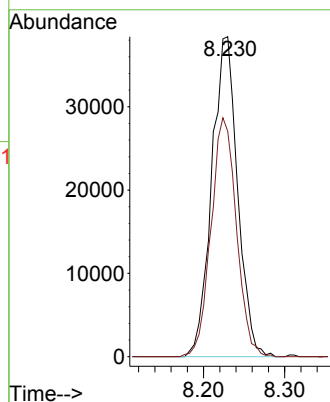
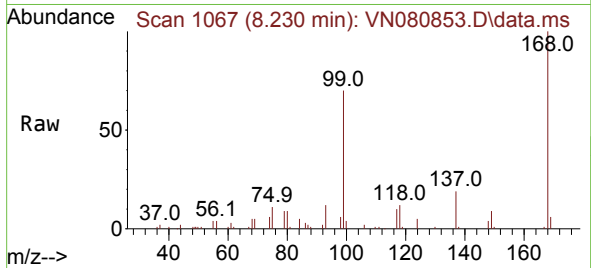




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

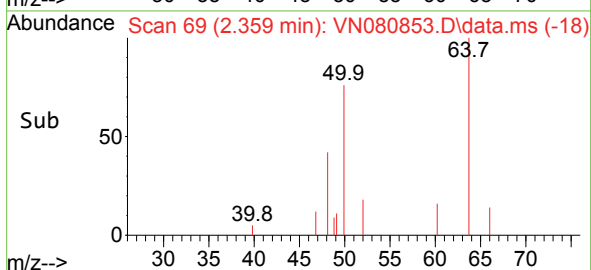
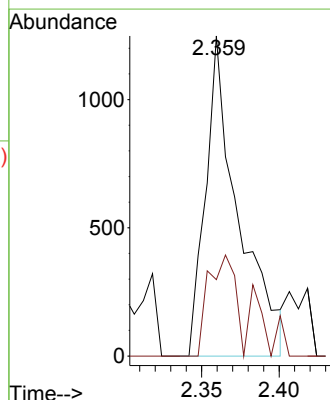
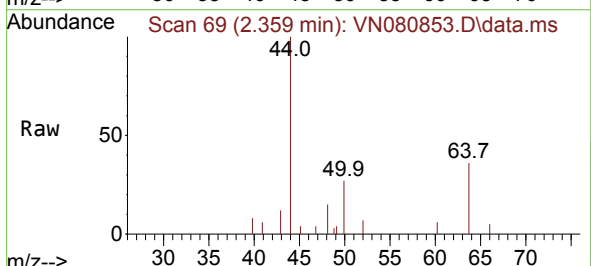
Instrument :
MSVOA_N
ClientSampleId :
1253

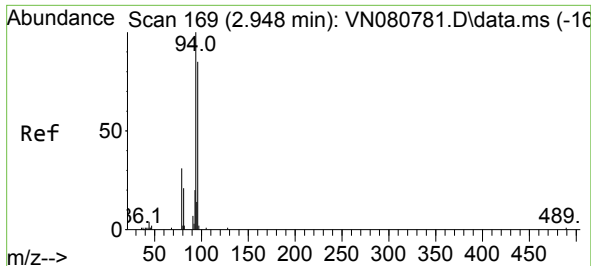
Tgt Ion:168 Resp: 84852
Ion Ratio Lower Upper
168 100
99 70.5 59.9 89.9



#3
Chloromethane
Concen: 0.969 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Tgt Ion: 50 Resp: 1836
Ion Ratio Lower Upper
50 100
52 23.9 25.0 37.4#

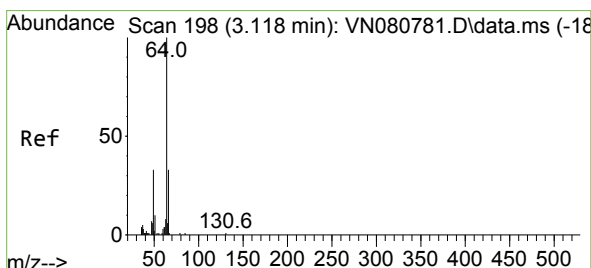
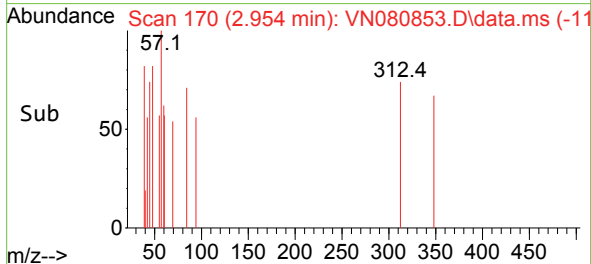
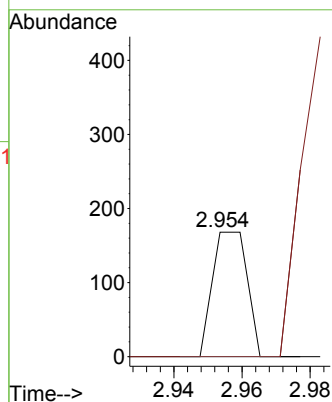
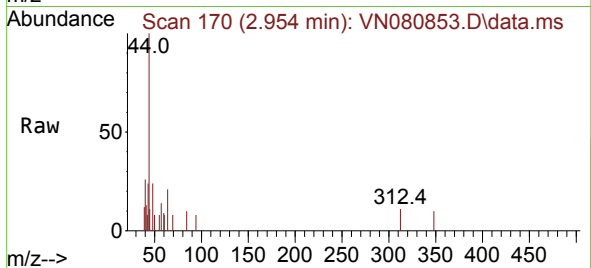




#5
Bromomethane
Concen: 0.207 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

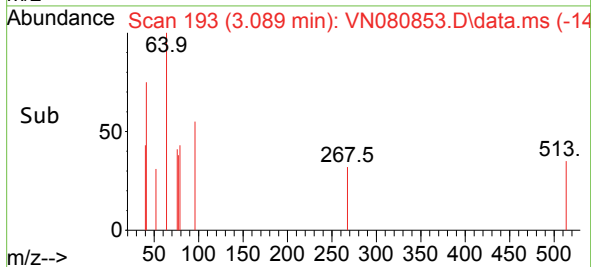
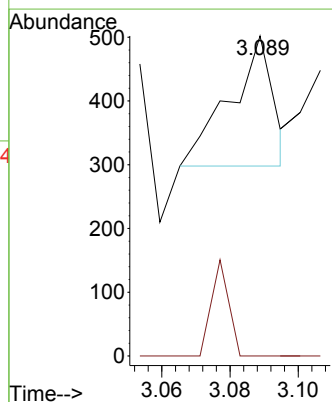
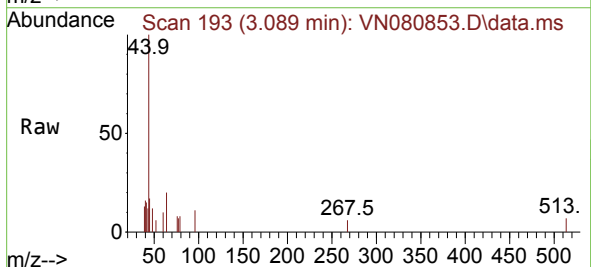
Instrument :
MSVOA_N
ClientSampleId :
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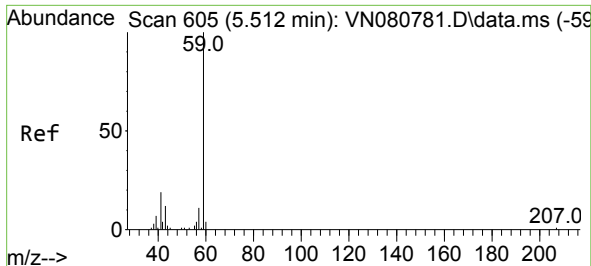
Tgt Ion: 94 Resp: 119
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#6
Chloroethane
Concen: 0.234 ug/l
RT: 3.089 min Scan# 193
Delta R.T. -0.029 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Tgt Ion: 64 Resp: 180
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

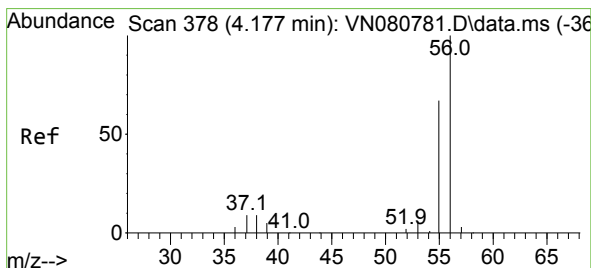
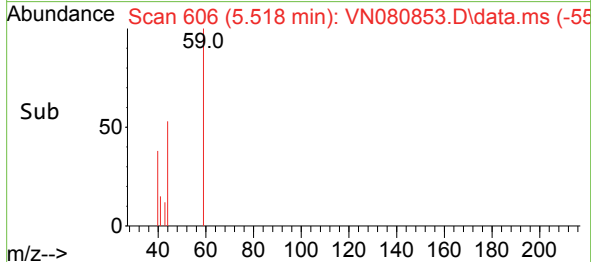
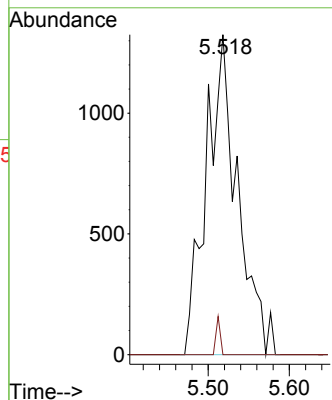
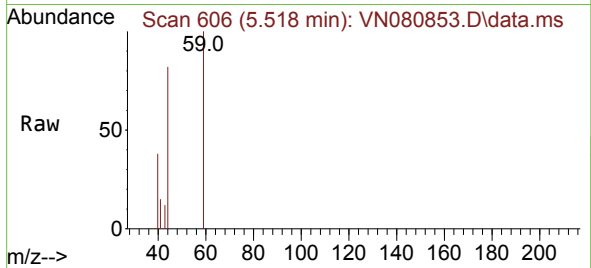




#11
Tert butyl alcohol
Concen: 14.865 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

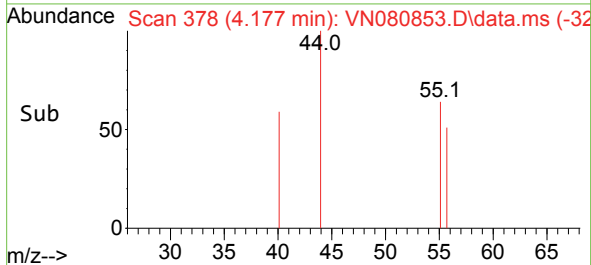
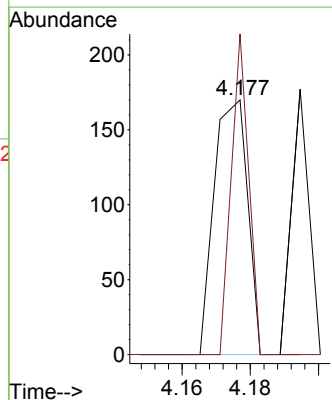
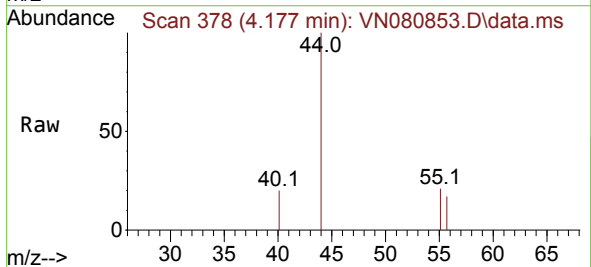
Instrument :
MSVOA_N
ClientSampleId :
1253

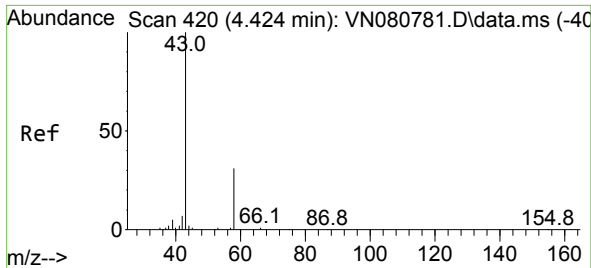
Tgt Ion: 59 Resp: 3557
Ion Ratio Lower Upper
59 100
57 1.6 8.6 12.8#



#13
Acrolein
Concen: 0.381 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 66.1 55.3 82.9

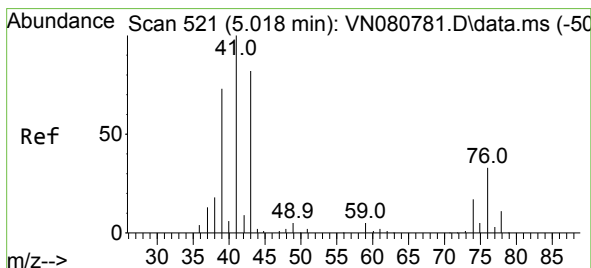
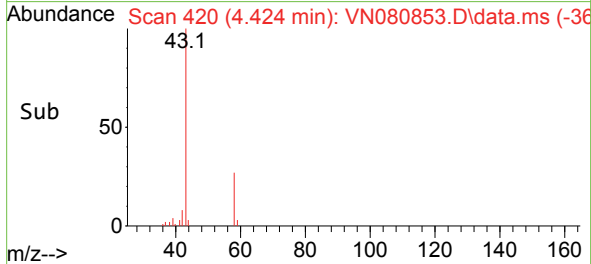
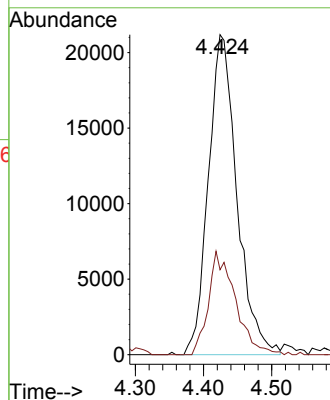
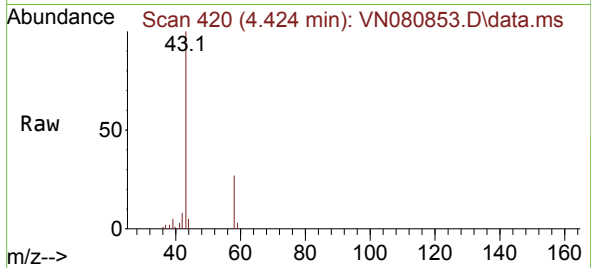




#16
Acetone
Concen: 116.005 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

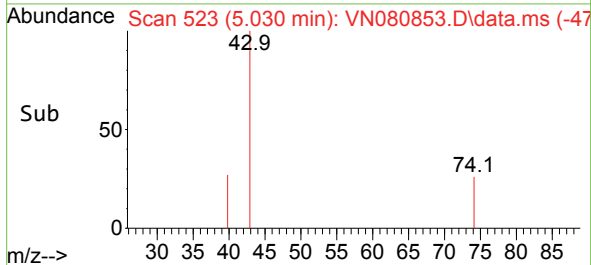
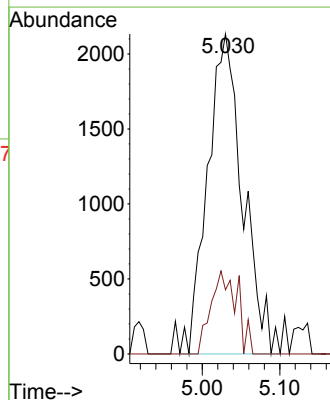
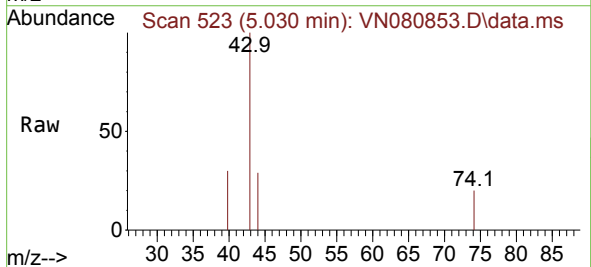
Instrument :
MSVOA_N
ClientSampleId :
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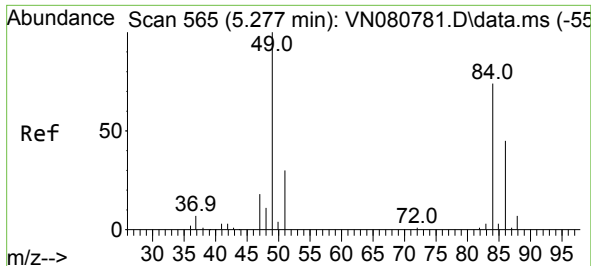
Tgt Ion: 43 Resp: 61758
Ion Ratio Lower Upper
43 100
58 26.6 24.8 37.2



#18
Methyl Acetate
Concen: 3.634 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

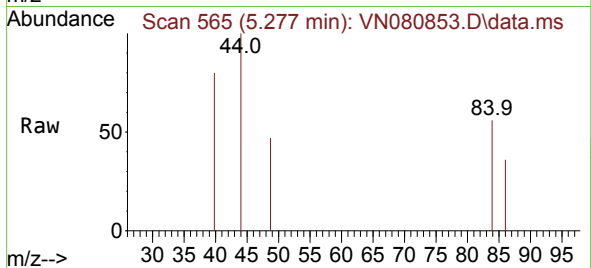
Tgt Ion: 43 Resp: 6742
Ion Ratio Lower Upper
43 100
74 19.3 17.3 25.9





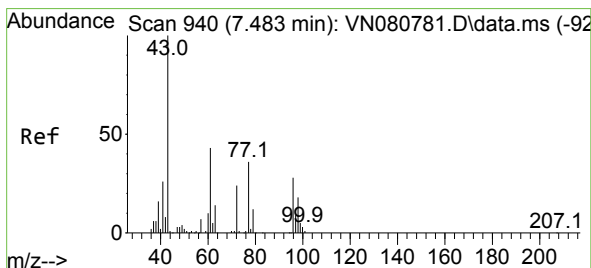
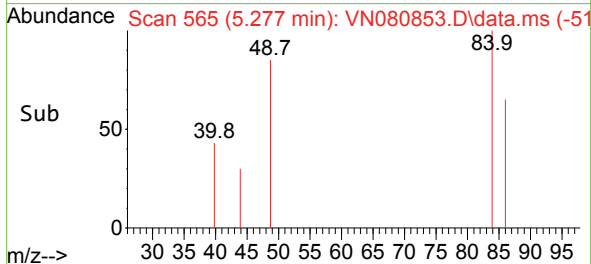
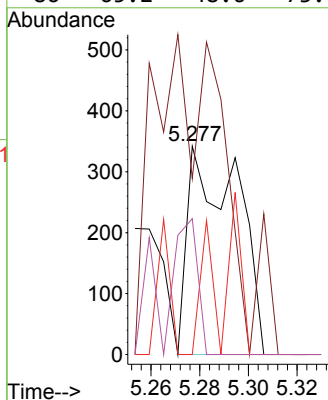
#20
Methylene Chloride
Concen: 0.345 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Instrument :
MSVOA_N
ClientSampleId :
1253



Tgt Ion: 84 Resp: 482

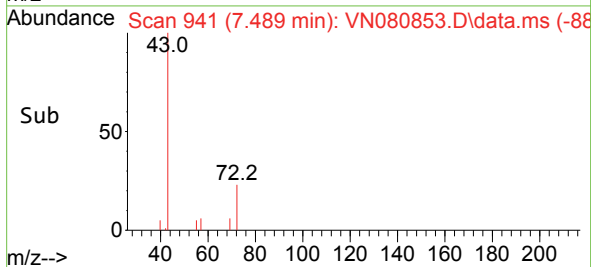
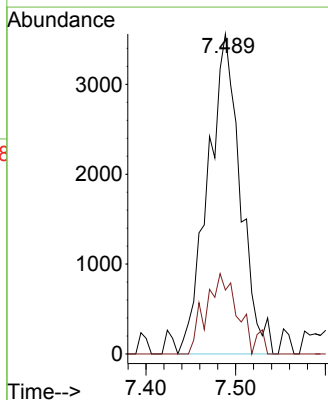
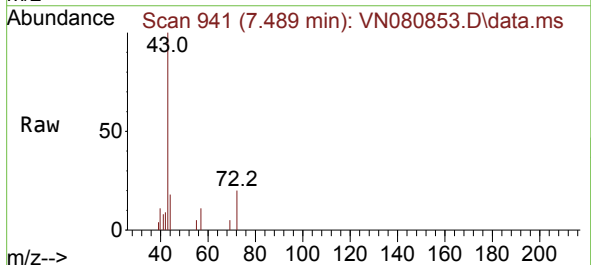
Ion	Ratio	Lower	Upper
84	100		
49	84.5	108.1	162.1#
51	0.0	32.9	49.3#
86	65.2	48.6	73.0

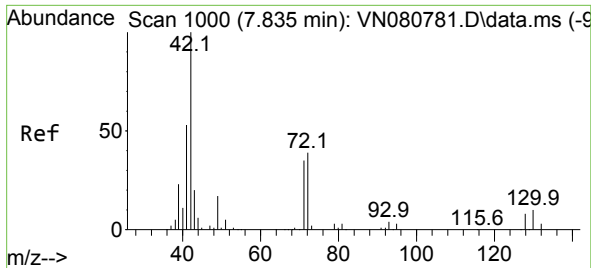


#25
2-Butanone
Concen: 8.846 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Tgt Ion: 43 Resp: 8945

Ion	Ratio	Lower	Upper
43	100		
72	19.9	19.5	29.3

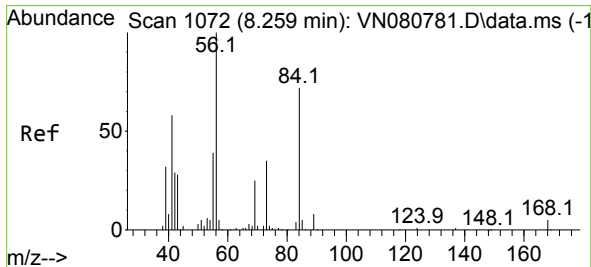
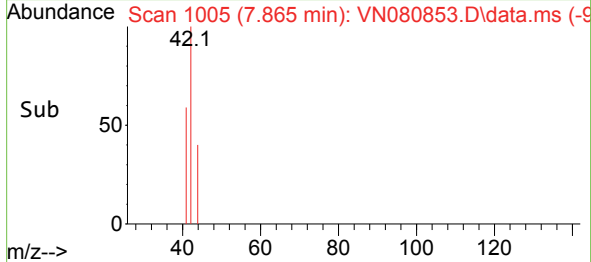
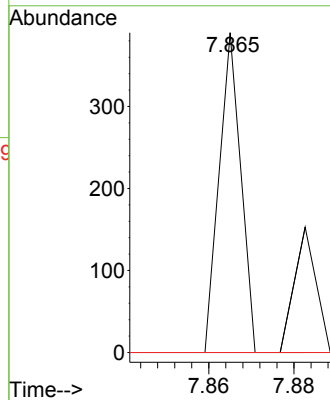
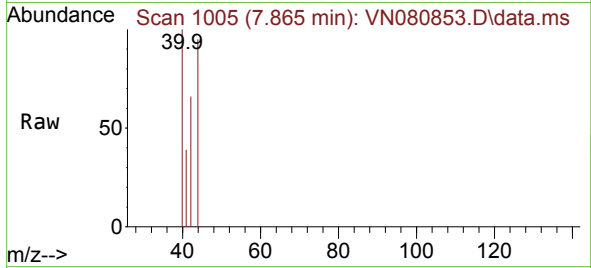




#29
Tetrahydrofuran
Concen: 0.202 ug/l
RT: 7.865 min Scan# 1068
Delta R.T. 0.030 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

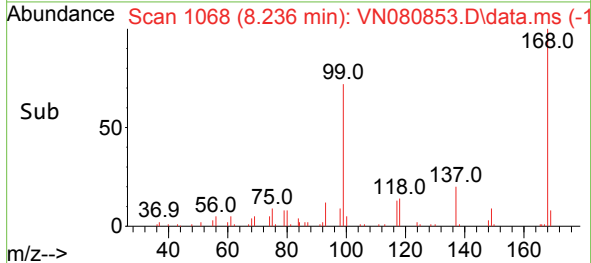
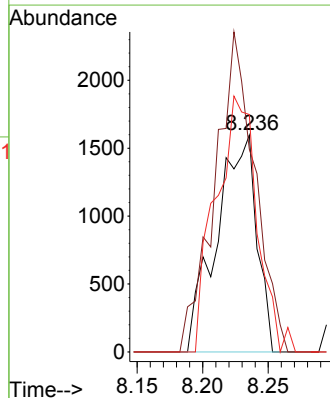
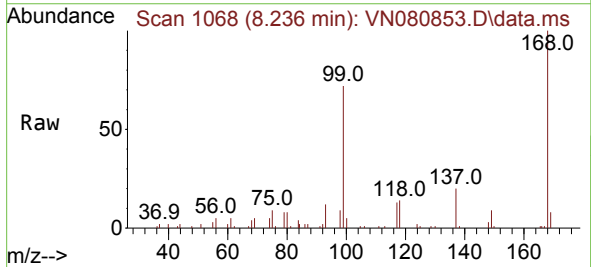
Instrument :
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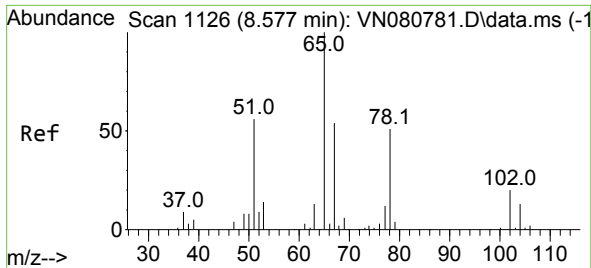
Tgt Ion:	42	Resp:	138
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.1	46.7#
71	0.0	28.3	42.5#



#31
Cyclohexane
Concen: 1.348 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.023 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Tgt Ion:	56	Resp:	3394
Ion	Ratio	Lower	Upper
56	100		
69	93.5	20.1	30.1#
84	109.5	56.9	85.3#

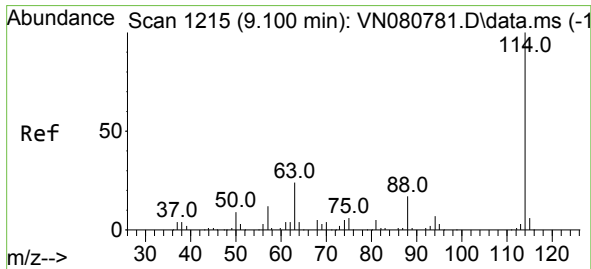
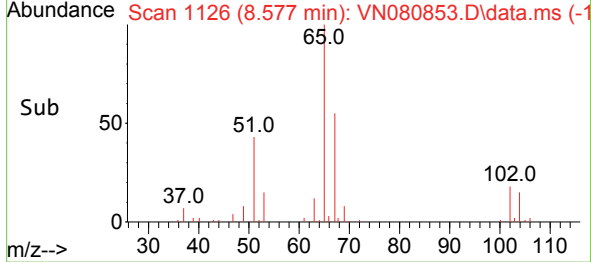
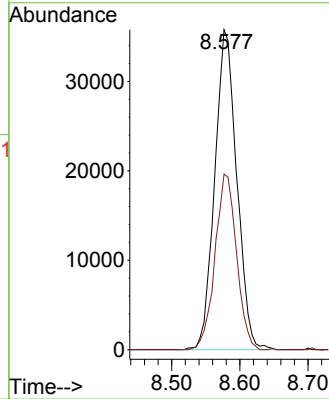
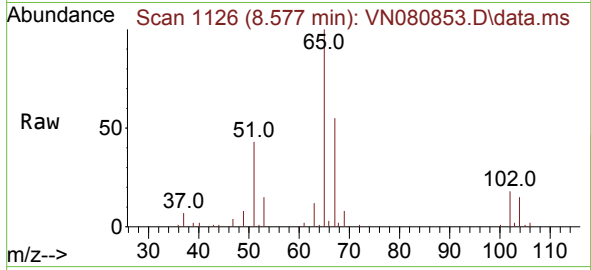




#33
 1,2-Dichloroethane-d4
 Concen: 54.847 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN080853.D
 Acq: 31 Jan 2024 20:18

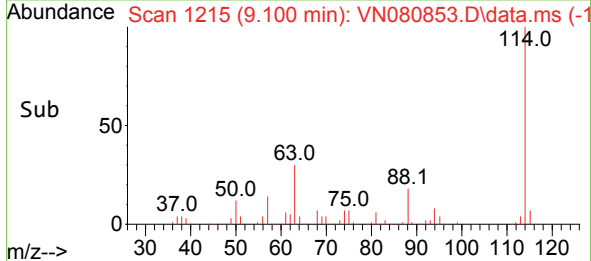
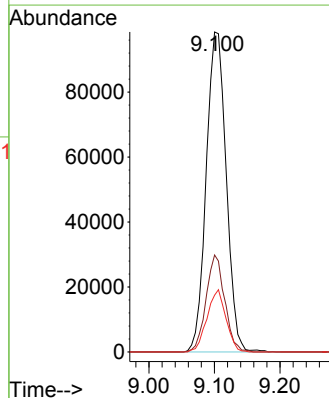
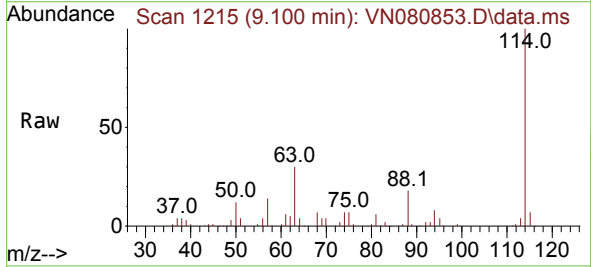
Instrument :
 MSVOA_N
 ClientSampleId :
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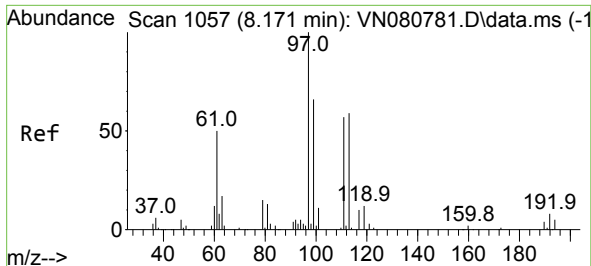
Tgt Ion: 65 Resp: 80511
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN080853.D
 Acq: 31 Jan 2024 20:18

Tgt Ion: 114 Resp: 208848
 Ion Ratio Lower Upper
 114 100
 63 30.3 0.0 48.0
 88 17.8 0.0 34.8

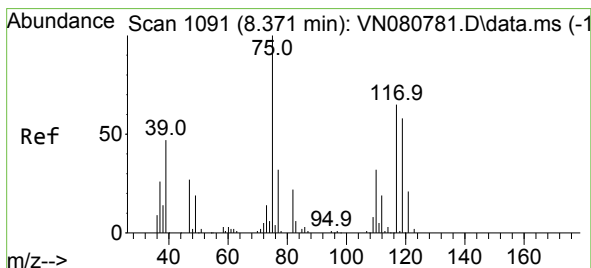
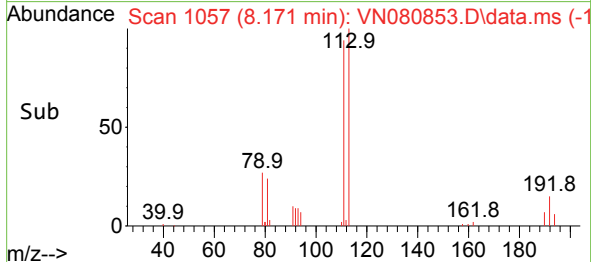
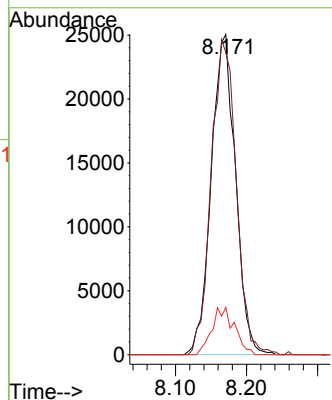
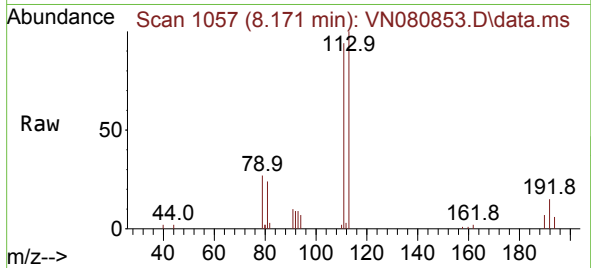




#35
Dibromofluoromethane
Concen: 46.473 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

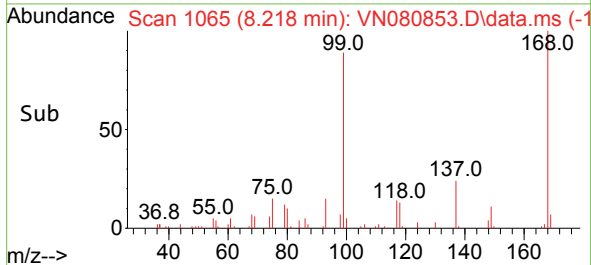
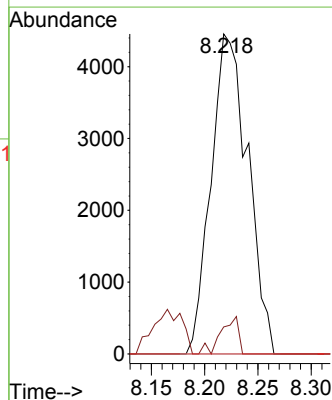
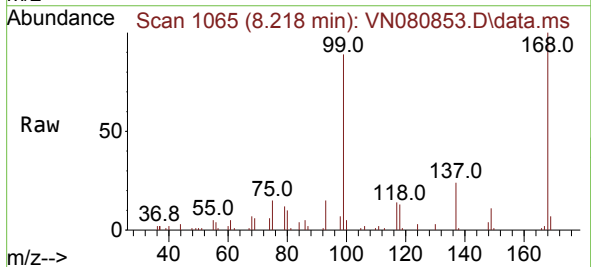
Instrument :
MSVOA_N
ClientSampleId :
1253

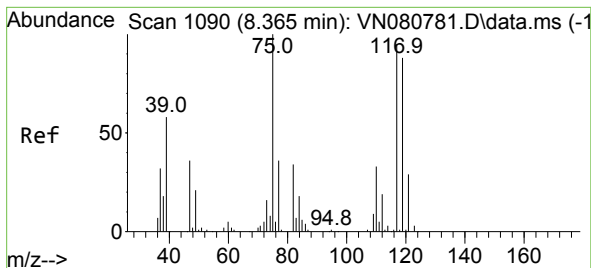
Tgt Ion:113 Resp: 59380
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 13.8 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.504 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Tgt Ion: 75 Resp: 10696
Ion Ratio Lower Upper
75 100
110 5.6 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.337 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

Lab File: VN080853.D

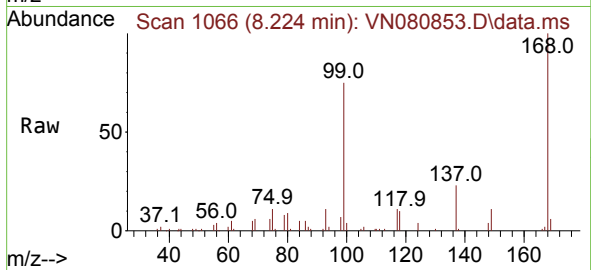
Acq: 31 Jan 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

1253



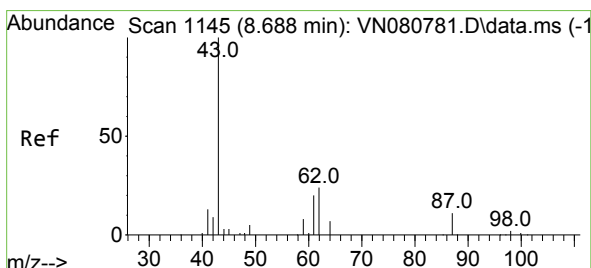
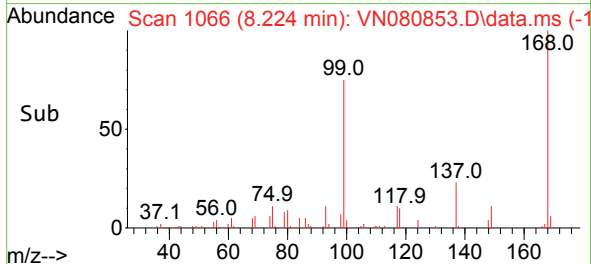
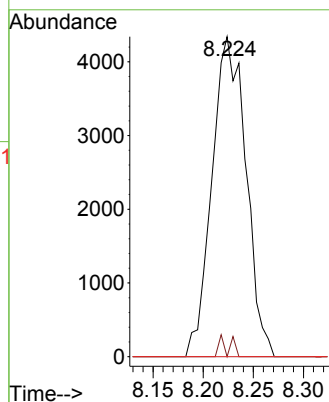
Tgt Ion:117 Resp: 10213

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 1.513 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080853.D

Acq: 31 Jan 2024 20:18

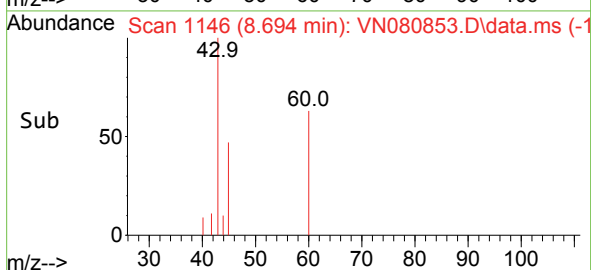
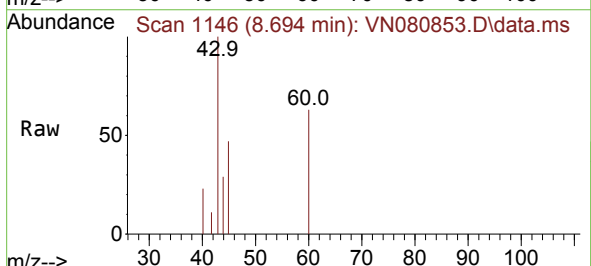
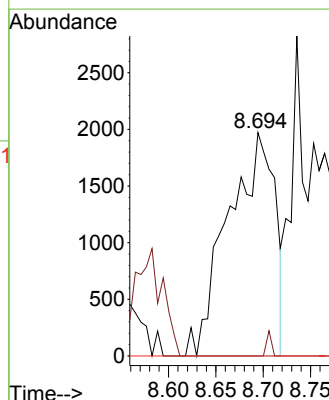
Tgt Ion: 43 Resp: 6733

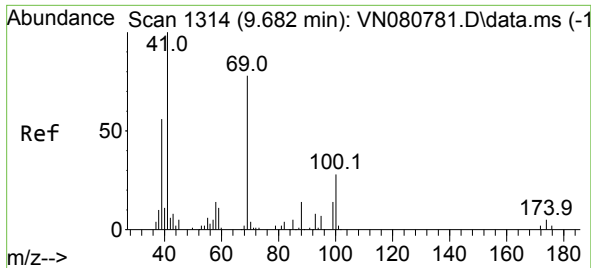
Ion Ratio Lower Upper

43 100

61 1.2 19.9 29.9#

87 0.0 9.0 13.6#

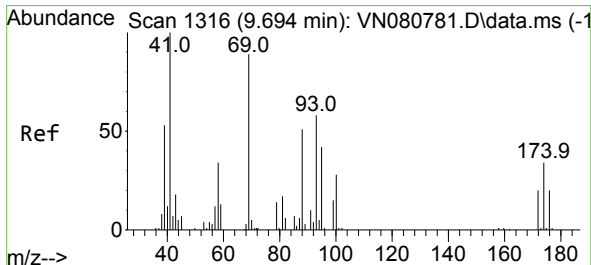
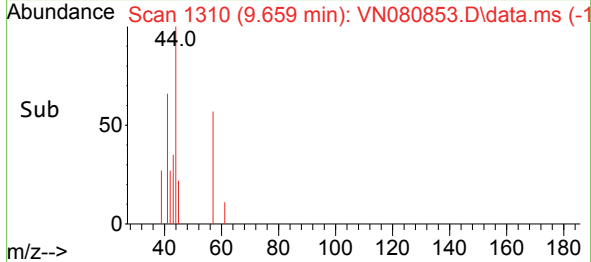
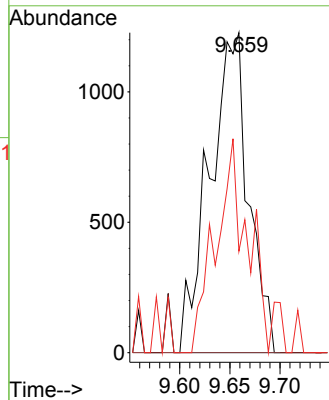
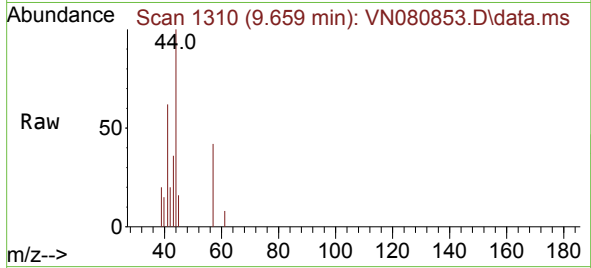




#48
Methyl methacrylate
Concen: 1.538 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

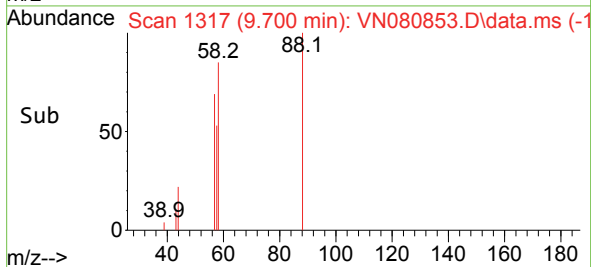
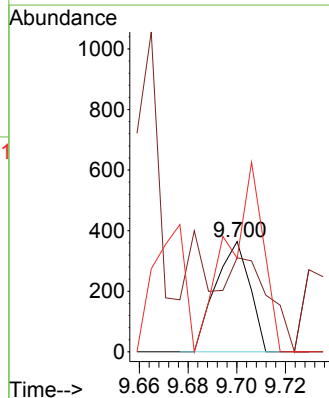
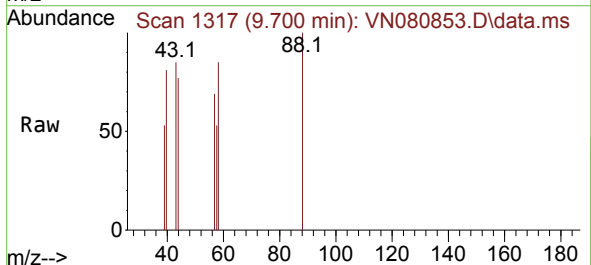
Instrument :
MSVOA_N
ClientSampleId :
1253

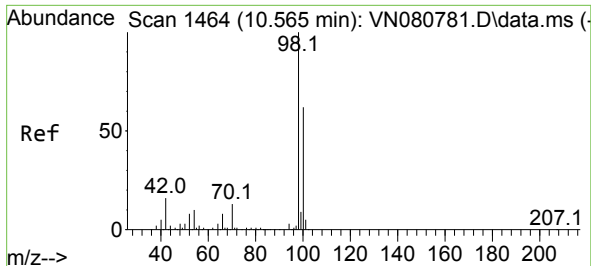
Tgt Ion: 41 Resp: 3319
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 54.6 47.6 71.4



#49
1,4-Dioxane
Concen: 13.735 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Tgt Ion: 88 Resp: 357
Ion Ratio Lower Upper
88 100
43 94.1 30.1 45.1#
58 177.3 63.9 95.9#

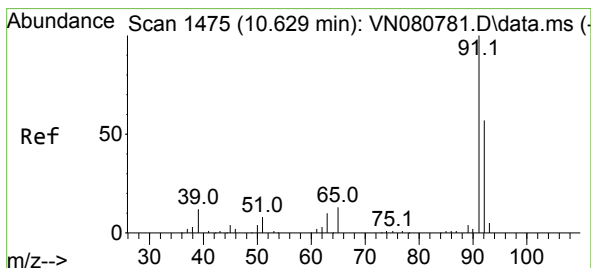
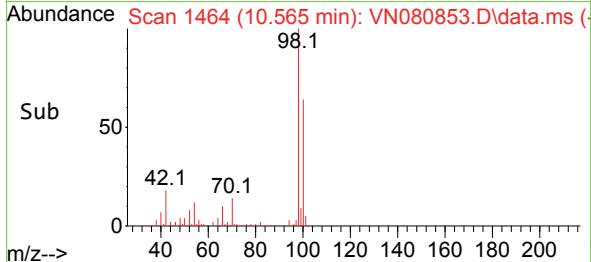
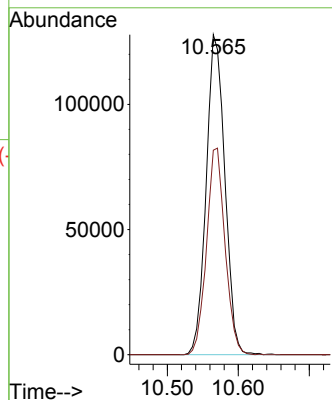
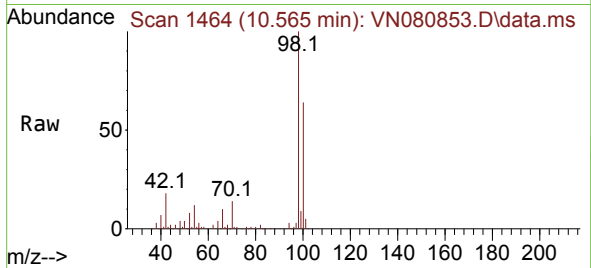




#50
Toluene-d8
Concen: 46.704 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

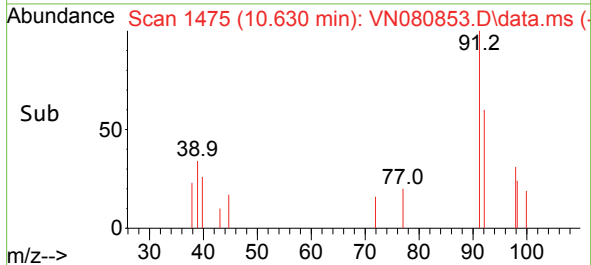
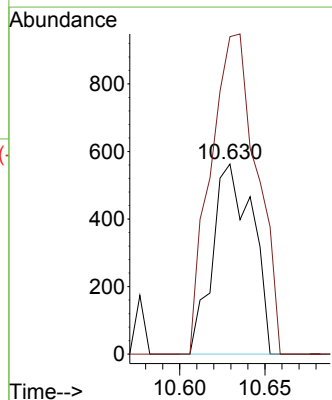
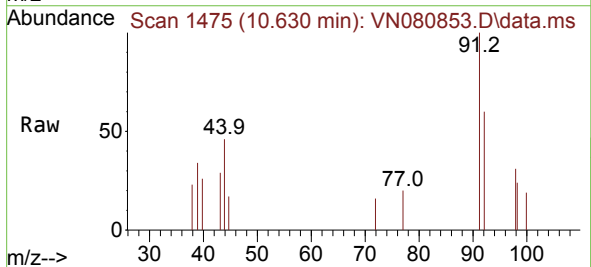
Instrument :
MSVOA_N
ClientSampleId :
1253

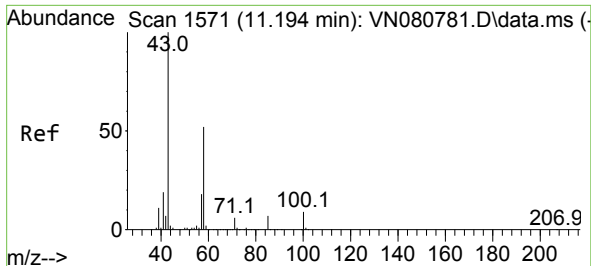
Tgt Ion: 98 Resp: 233564
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#52
Toluene
Concen: 0.230 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Tgt Ion: 92 Resp: 920
Ion Ratio Lower Upper
92 100
91 195.0 139.4 209.0

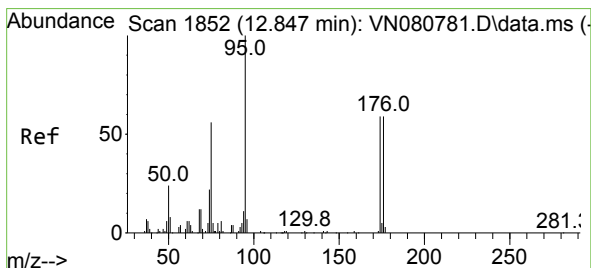
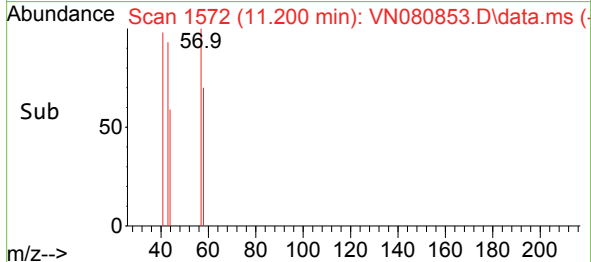
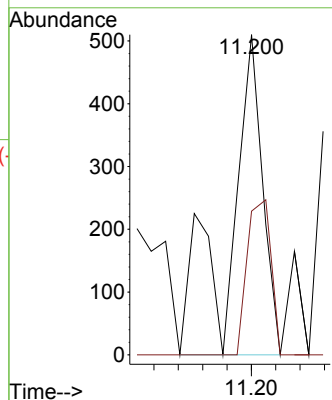
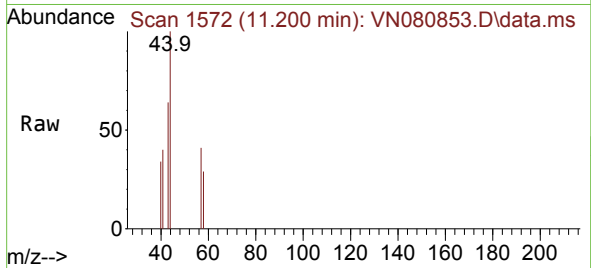




#59
2-Hexanone
Concen: 0.254 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

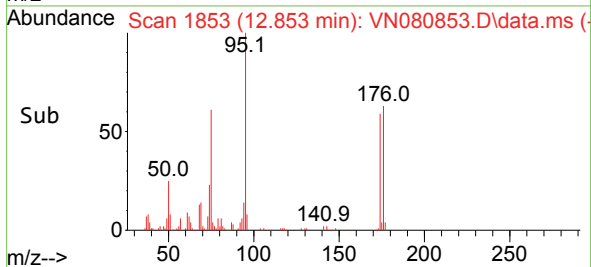
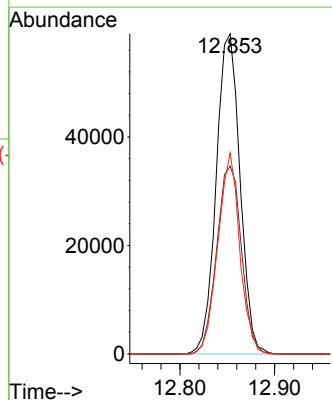
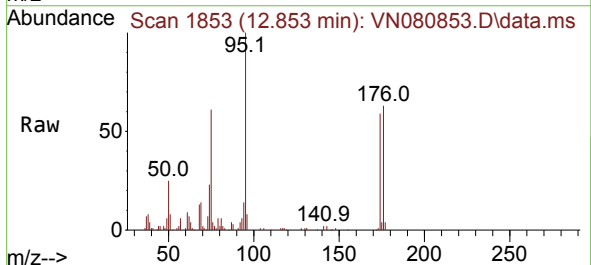
Instrument :
MSVOA_N
ClientSampleId :
1253

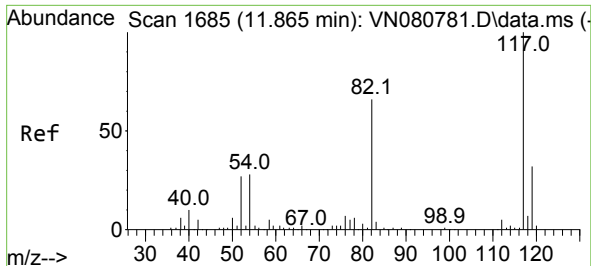
Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
58 34.2 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 59.188 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Tgt Ion: 95 Resp: 103147
Ion Ratio Lower Upper
95 100
174 61.1 0.0 120.4
176 57.9 0.0 121.0

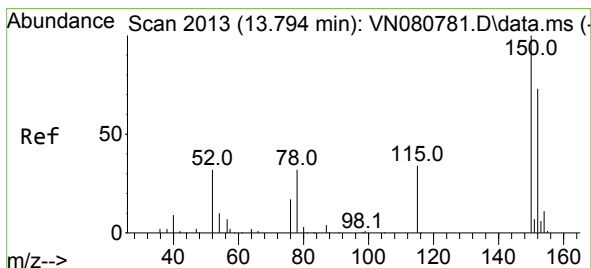
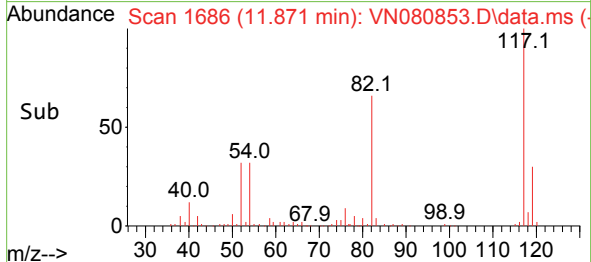
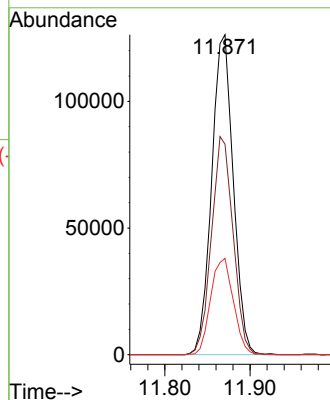
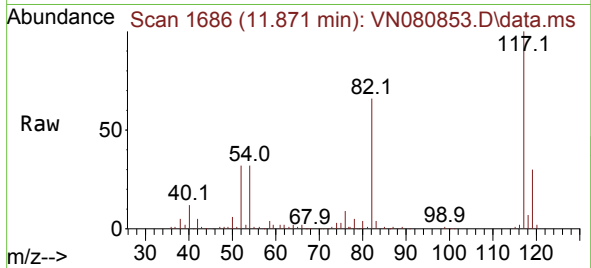




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

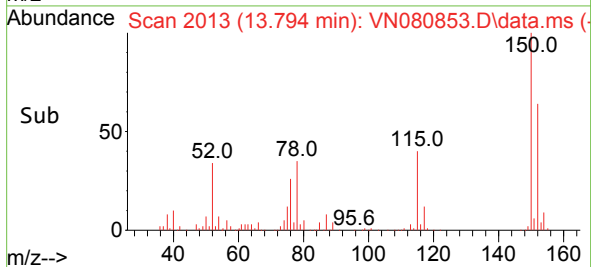
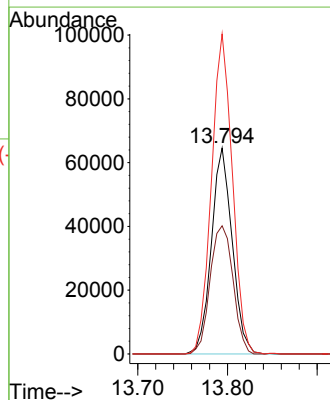
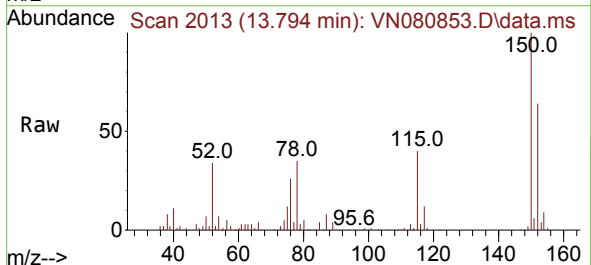
Instrument :
MSVOA_N
ClientSampleId :
1253

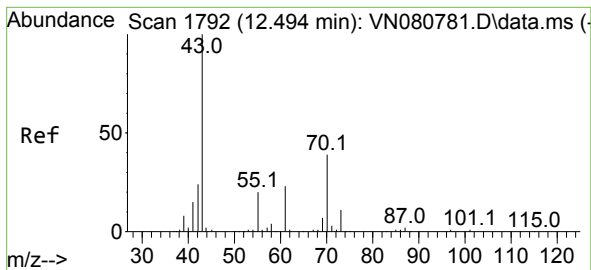
Tgt Ion:117 Resp: 222337
Ion Ratio Lower Upper
117 100
82 65.8 52.7 79.1
119 30.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080853.D
Acq: 31 Jan 2024 20:18

Tgt Ion:152 Resp: 104079
Ion Ratio Lower Upper
152 100
115 68.4 32.3 96.8
150 155.9 0.0 339.8





#74

N-amy1 acetate

Concen: 0.374 ug/l

RT: 12.465 min Scan# 1

Delta R.T. -0.029 min

Lab File: VN080853.D

Acq: 31 Jan 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

1253

Tgt Ion: 43 Resp: 2213

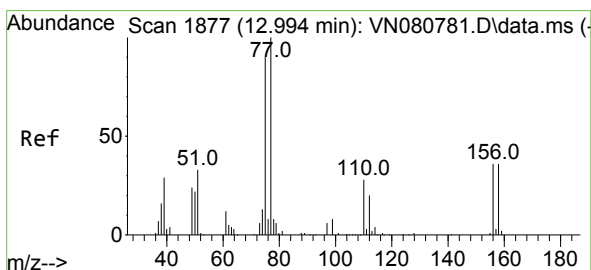
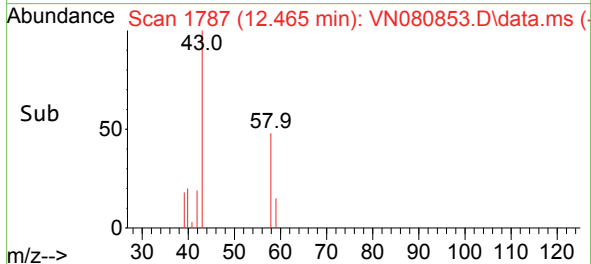
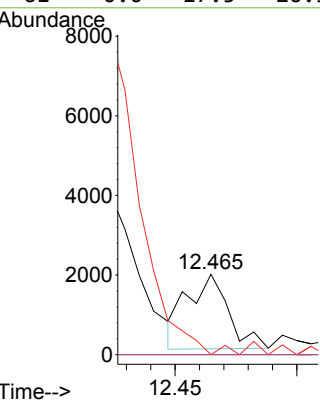
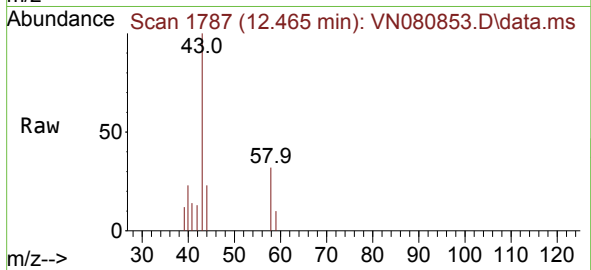
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 0.0 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 20.490 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080853.D

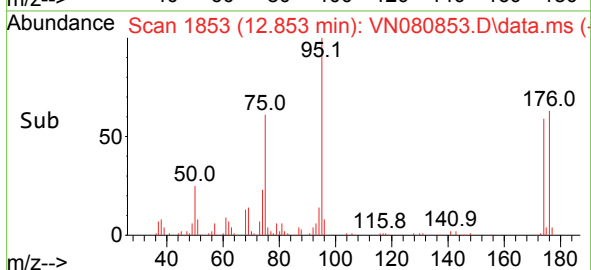
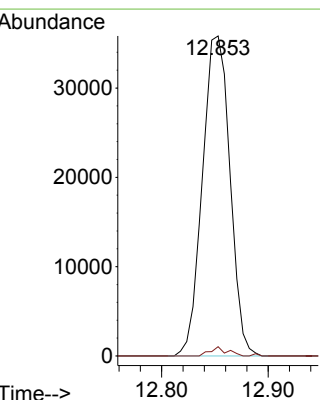
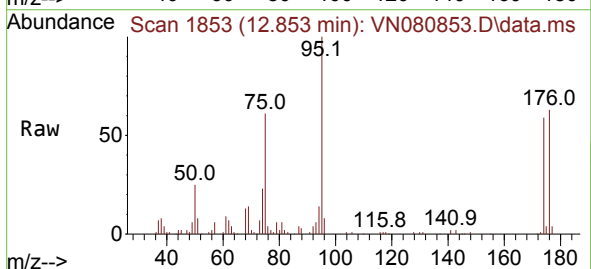
Acq: 31 Jan 2024 20:18

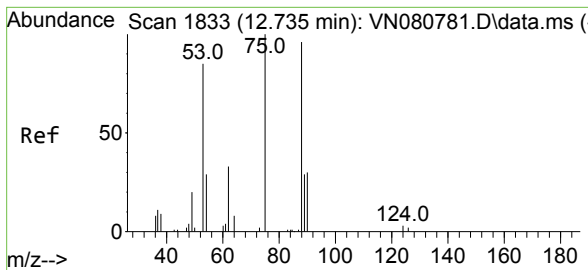
Tgt Ion: 75 Resp: 64319

Ion Ratio Lower Upper

75 100

77 1.8 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.786 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080853.D
 Acq: 31 Jan 2024 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 1253

Tgt Ion: 75 Resp: 64319
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#

