

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080850.D
 Acq On : 31 Jan 2024 19:07
 Operator : JC\MD
 Sample : P1284-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1249

Quant Time: Jan 31 23:21:37 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)

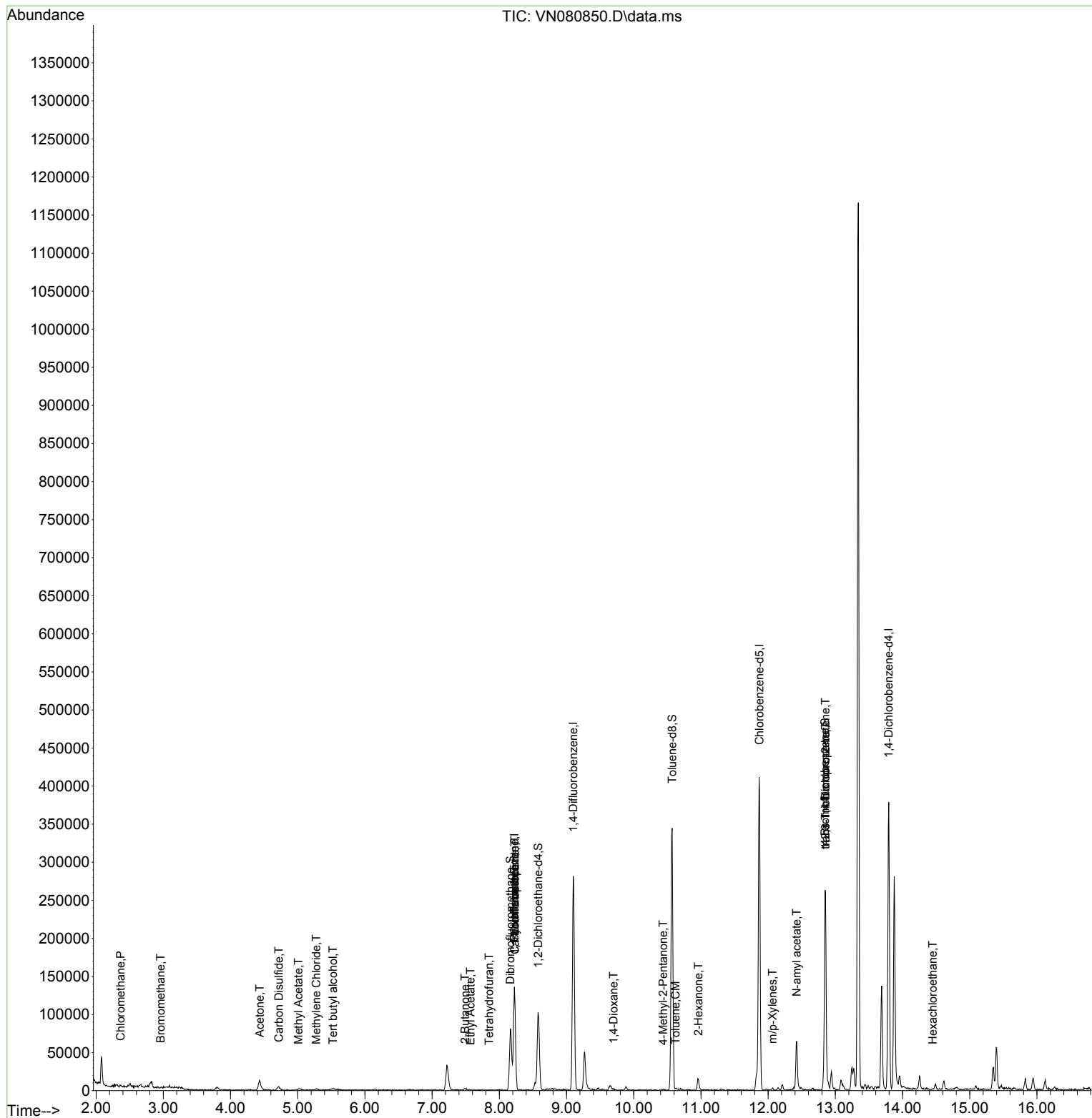
Internal Standards						
1) Pentafluorobenzene	8.224	168	82962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	204821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	206304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	81313	56.655	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.320%
35) Dibromofluoromethane	8.165	113	55375	44.190	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.380%
50) Toluene-d8	10.571	98	218240	44.497	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.000%
62) 4-Bromofluorobenzene	12.847	95	85599	50.084	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1475	0.796	ug/l #	84
5) Bromomethane	2.959	94	137	0.243	ug/l #	6
11) Tert butyl alcohol	5.524	59	3222	13.772	ug/l #	76
16) Acetone	4.436	43	22275	42.794	ug/l	90
17) Carbon Disulfide	4.718	76	1698	0.468	ug/l #	78
18) Methyl Acetate	5.012	43	4412	2.432	ug/l #	74
20) Methylene Chloride	5.277	84	489	0.358	ug/l #	57
25) 2-Butanone	7.489	43	4306	4.355	ug/l	90
29) Tetrahydrofuran	7.847	42	207	0.309	ug/l #	38
31) Cyclohexane	8.224	56	3268	1.328	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	9611	4.126	ug/l #	47
37) Ethyl Acetate	7.571	43	724	0.302	ug/l #	70
38) Carbon Tetrachloride	8.230	117	10954	5.837	ug/l #	18
49) 1,4-Dioxane	9.700	88	930	36.483	ug/l #	32
51) 4-Methyl-2-Pentanone	10.435	43	1041	0.427	ug/l #	54
52) Toluene	10.624	92	967	0.246	ug/l	87
59) 2-Hexanone	10.965	43	1663	0.877	ug/l	64
68) m/p-Xylenes	12.065	106	851	0.286	ug/l	90
74) N-amyl acetate	12.424	43	16531	3.432	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	51021	19.967	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	51021	51.438	ug/l #	14
90) Hexachloroethane	14.447	117	215	0.217	ug/l #	21

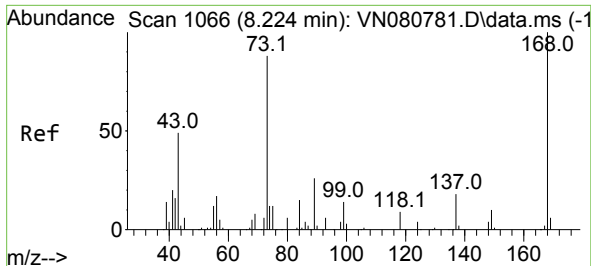
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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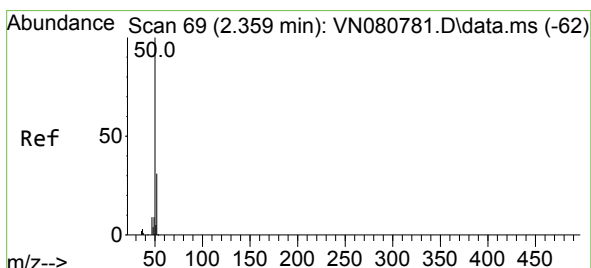
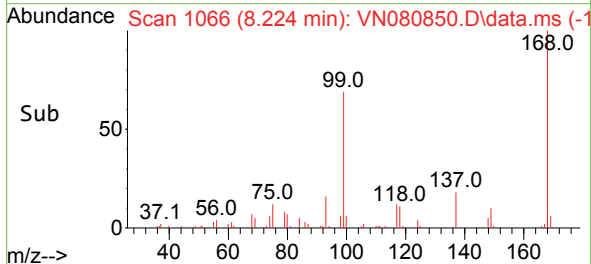
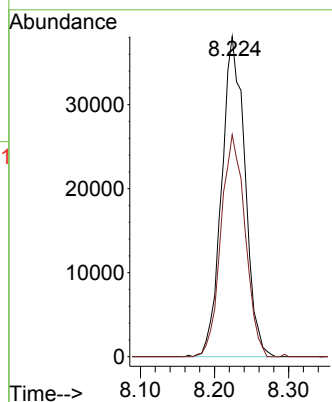
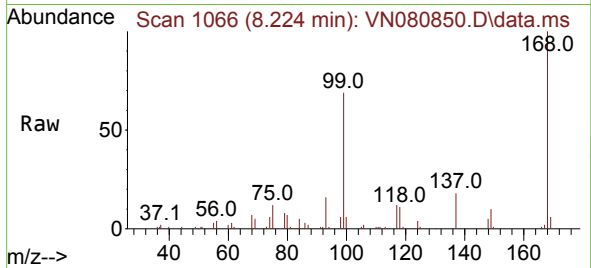




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

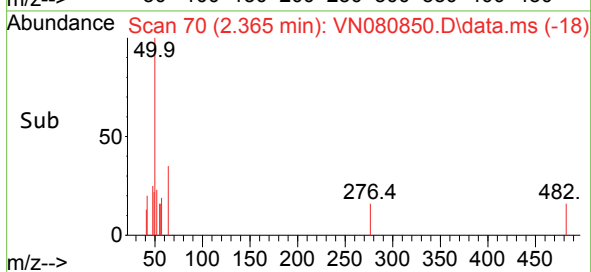
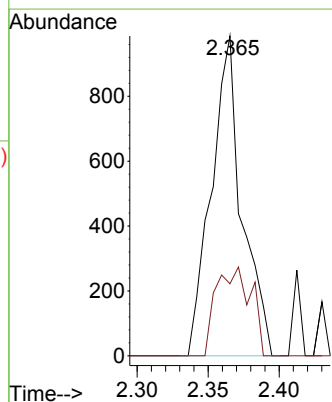
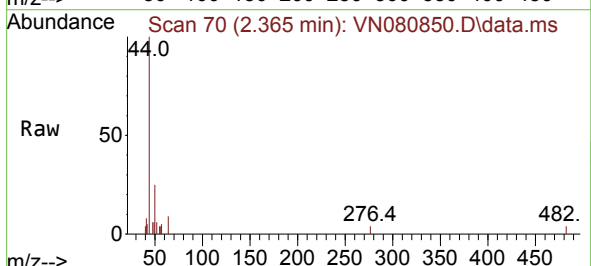
Instrument :
MSVOA_N
ClientSampleId :
1249

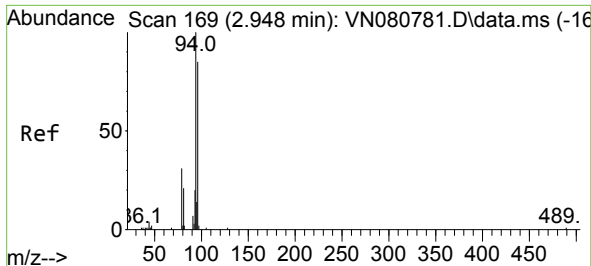
Tgt Ion:168 Resp: 82962
Ion Ratio Lower Upper
168 100
99 69.4 59.9 89.9



#3
Chloromethane
Concen: 0.796 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Tgt Ion: 50 Resp: 1475
Ion Ratio Lower Upper
50 100
52 22.5 25.0 37.4#

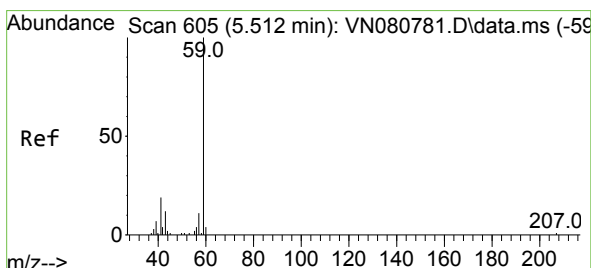
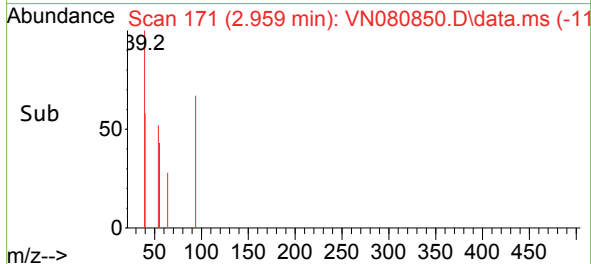
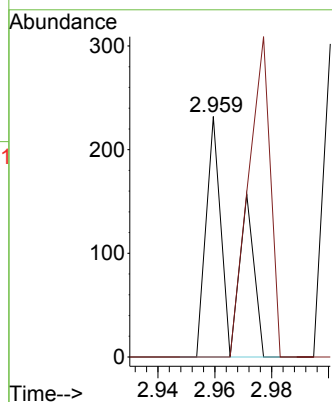
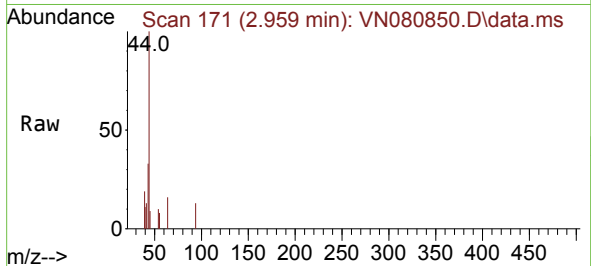




#5
Bromomethane
Concen: 0.243 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

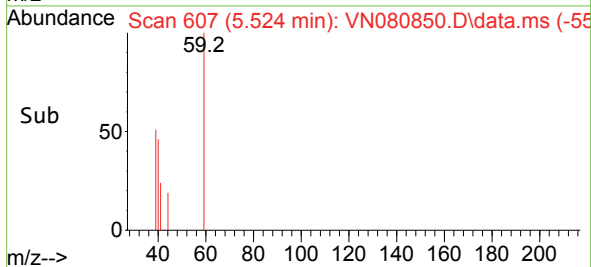
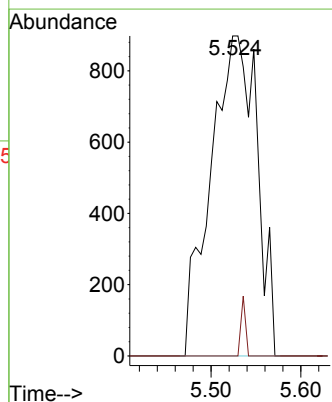
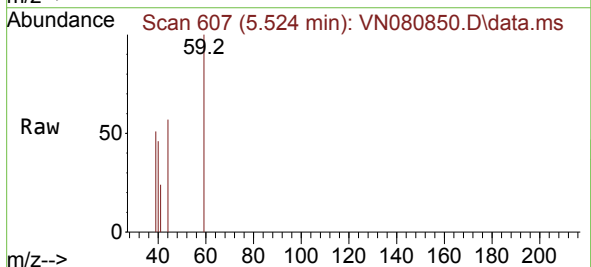
Instrument :
MSVOA_N
ClientSampleId :
1249

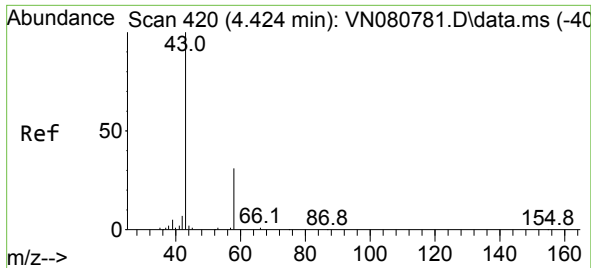
Tgt Ion: 94 Resp: 137
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#11
Tert butyl alcohol
Concen: 13.772 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Tgt Ion: 59 Resp: 3222
Ion Ratio Lower Upper
59 100
57 1.8 8.6 12.8#

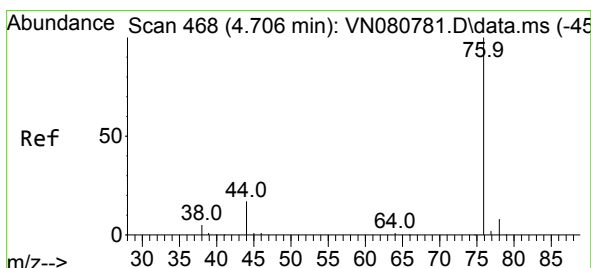
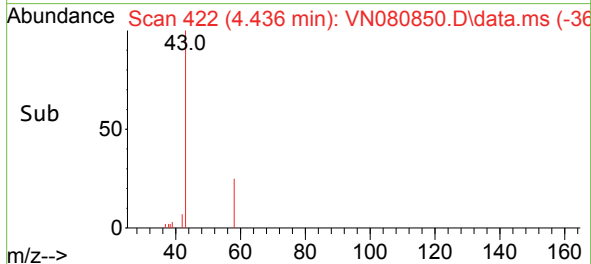
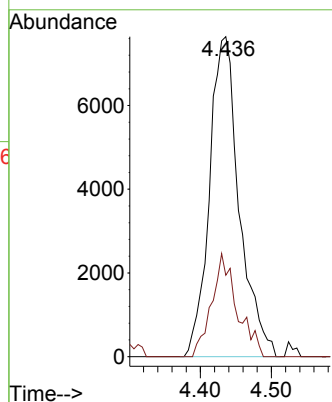
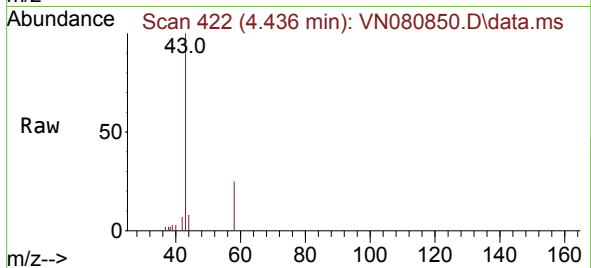




#16
Acetone
Concen: 42.794 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

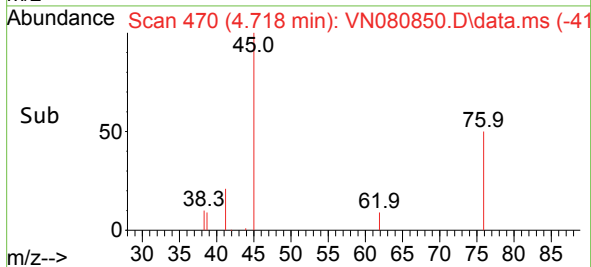
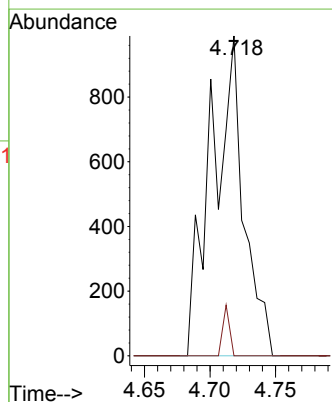
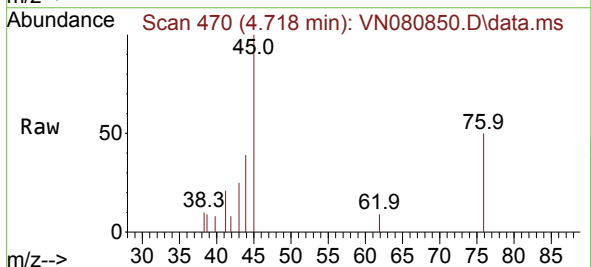
Instrument :
MSVOA_N
ClientSampleId :
1249

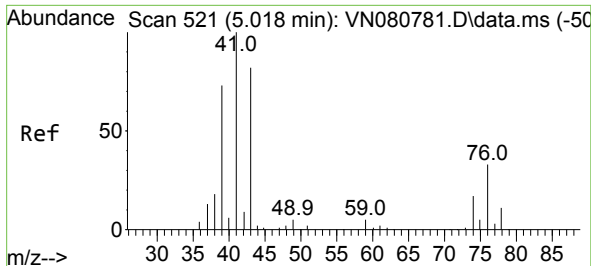
Tgt Ion: 43 Resp: 22275
Ion Ratio Lower Upper
43 100
58 25.5 24.8 37.2



#17
Carbon Disulfide
Concen: 0.468 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Tgt Ion: 76 Resp: 1698
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#





#18

Methyl Acetate

Concen: 2.432 ug/l

RT: 5.012 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN080850.D

Acq: 31 Jan 2024 19:07

Instrument :

MSVOA_N

ClientSampleId :

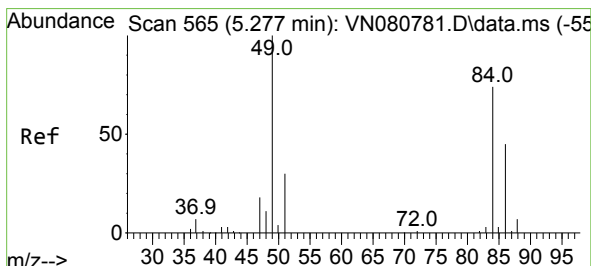
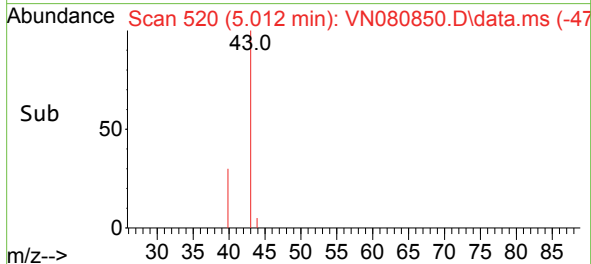
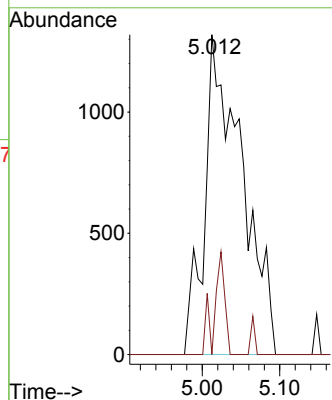
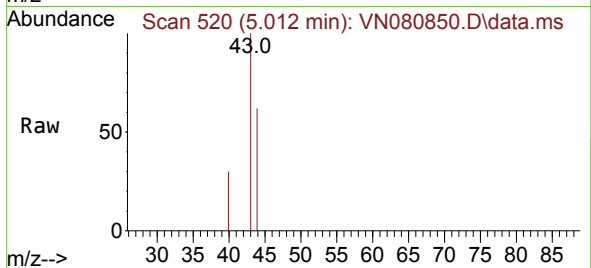
1249

Tgt Ion: 43 Resp: 4412

Ion Ratio Lower Upper

43 100

74 9.2 17.3 25.9#



#20

Methylene Chloride

Concen: 0.358 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN080850.D

Acq: 31 Jan 2024 19:07

Tgt Ion: 84 Resp: 489

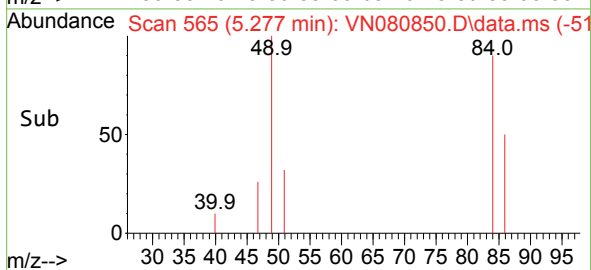
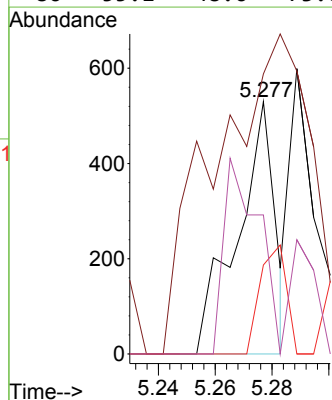
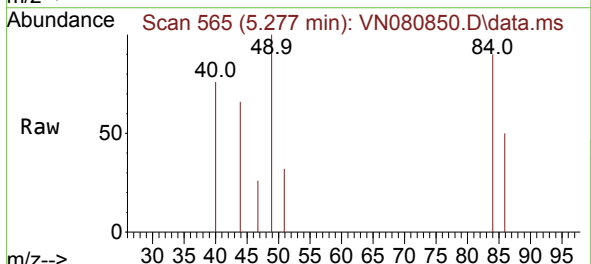
Ion Ratio Lower Upper

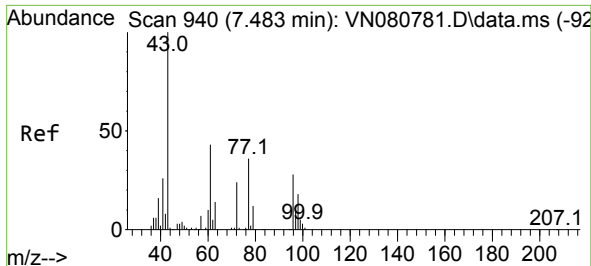
84 100

49 53.2 108.1 162.1#

51 35.3 32.9 49.3

86 55.1 48.6 73.0

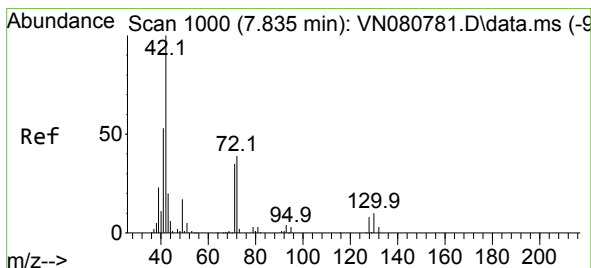
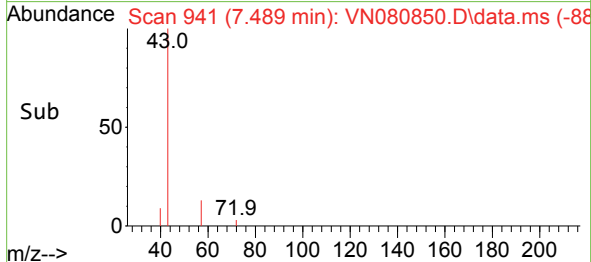
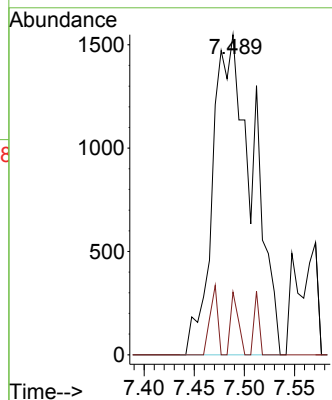
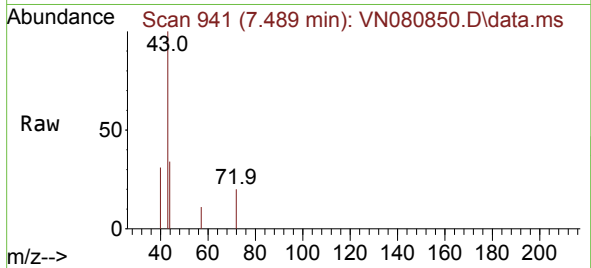




#25
2-Butanone
Concen: 4.355 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

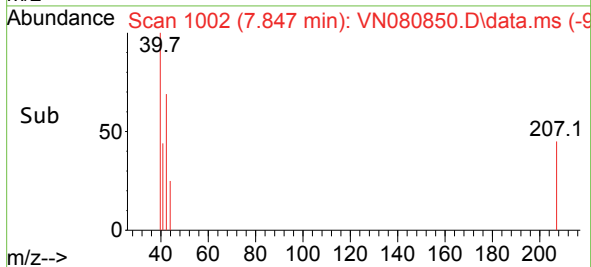
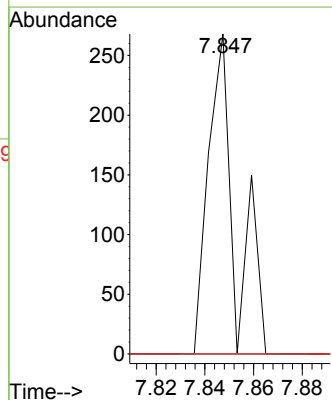
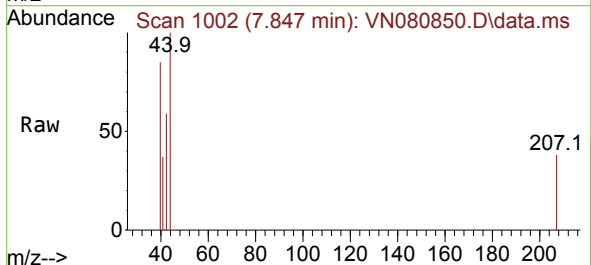
Instrument :
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ClientSampleId :
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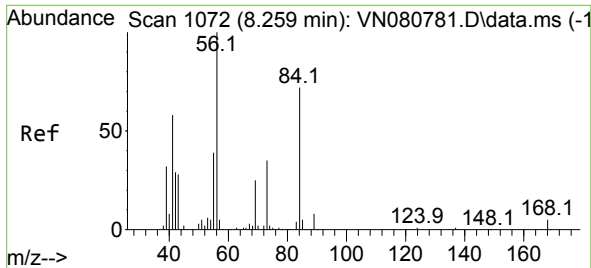
Tgt Ion: 43 Resp: 4306
Ion Ratio Lower Upper
43 100
72 19.6 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Tgt Ion: 42 Resp: 207
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 0.0 28.3 42.5#

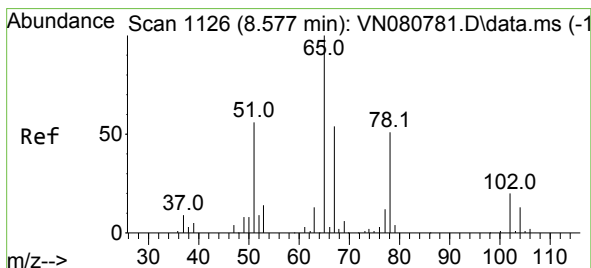
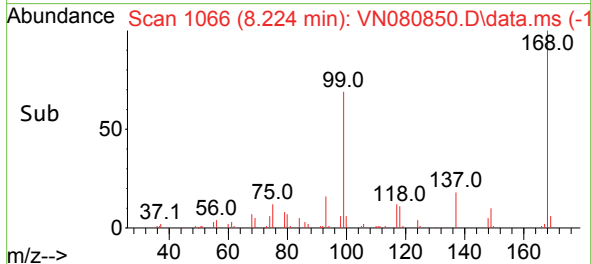
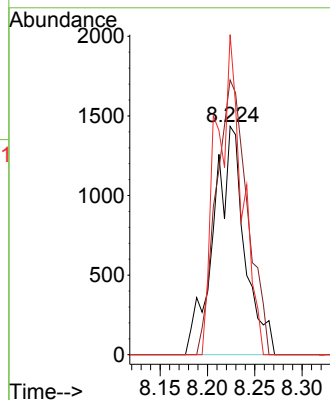
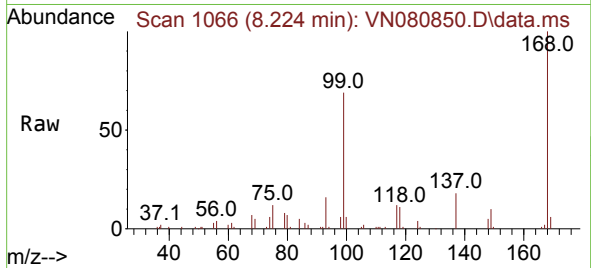




#31
Cyclohexane
Concen: 1.328 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

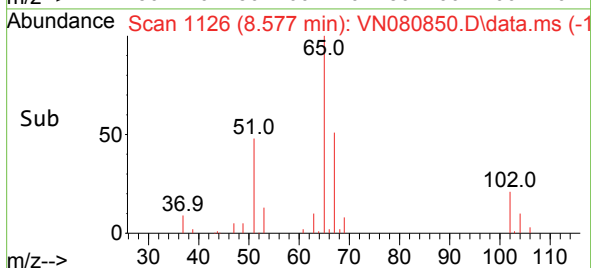
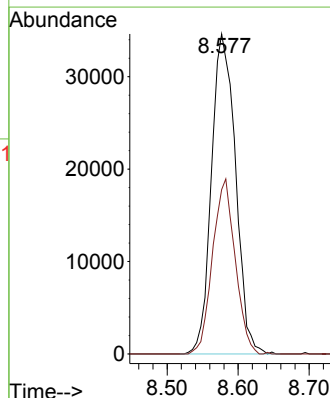
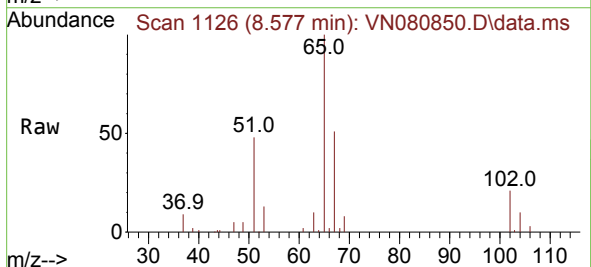
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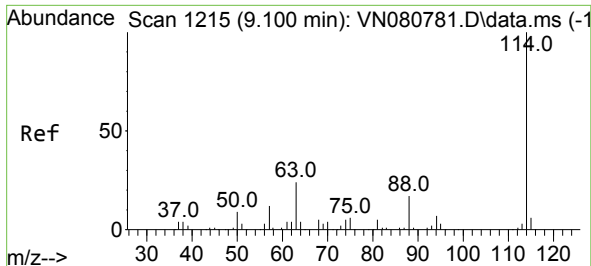
Tgt Ion: 56 Resp: 3268
Ion Ratio Lower Upper
56 100
69 120.4 20.1 30.1#
84 140.2 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 56.655 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Tgt Ion: 65 Resp: 81313
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4

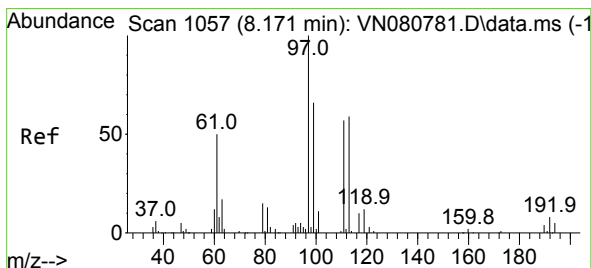
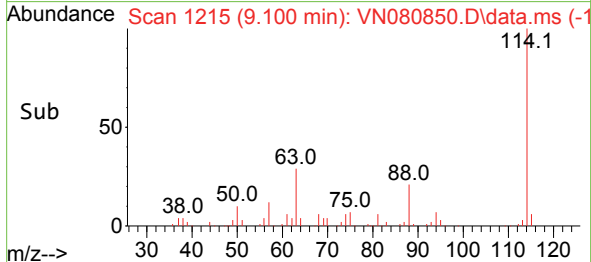
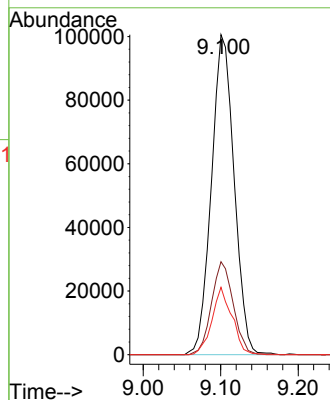
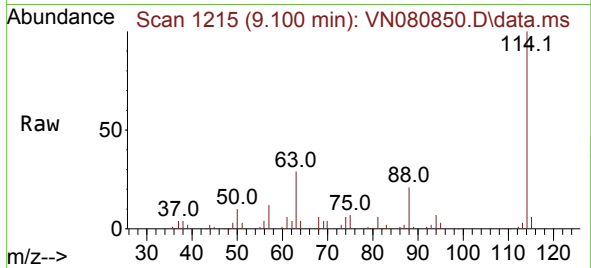




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

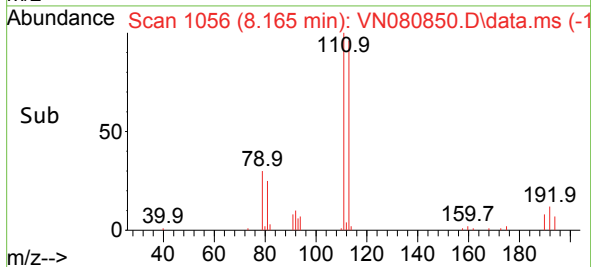
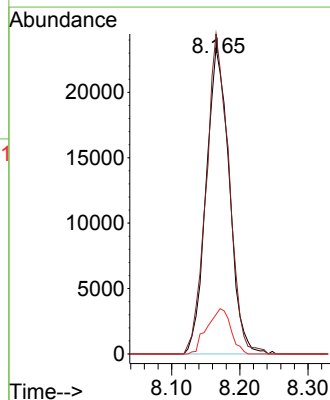
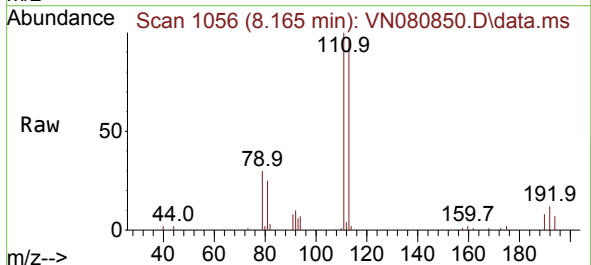
Instrument :
MSVOA_N
ClientSampleId :
1249

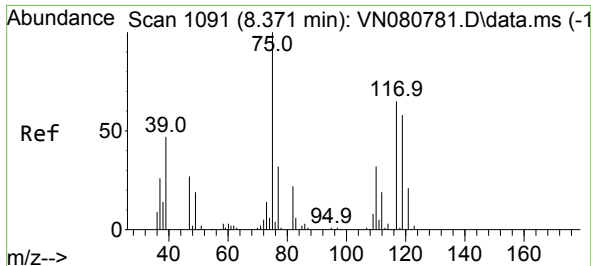
Tgt Ion:114 Resp: 204821
Ion Ratio Lower Upper
114 100
63 29.0 0.0 48.0
88 21.1 0.0 34.8



#35
Dibromofluoromethane
Concen: 44.190 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

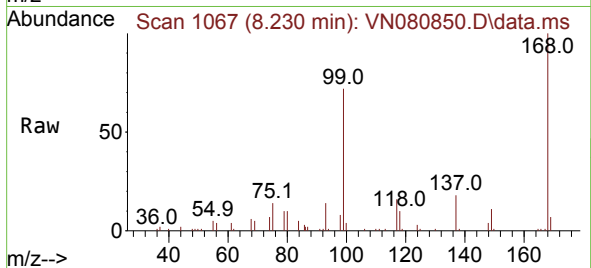
Tgt Ion:113 Resp: 55375
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 15.2 12.5 18.7



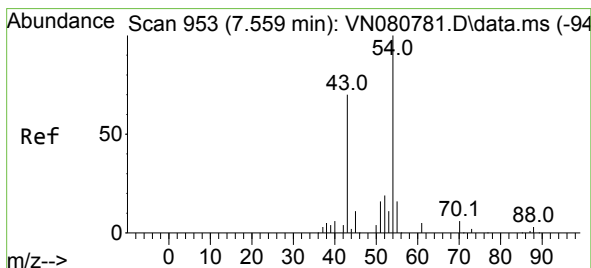
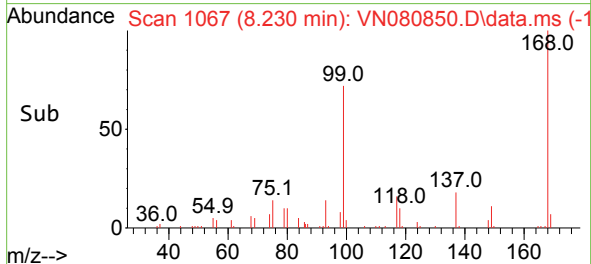
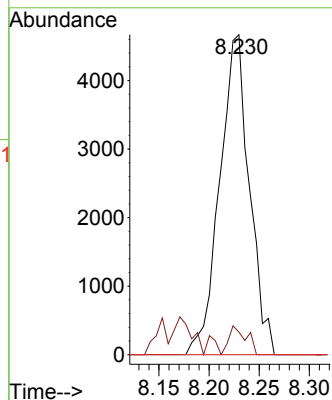


#36
1,1-Dichloropropene
Concen: 4.126 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :
1249

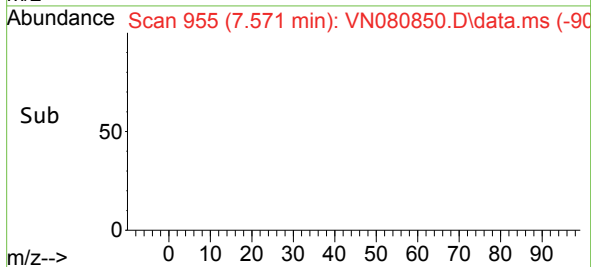
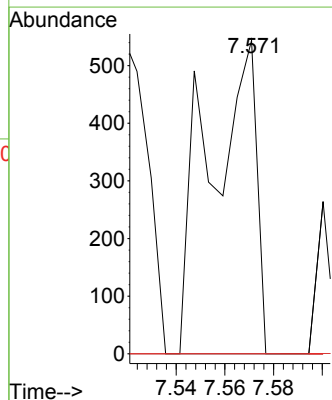
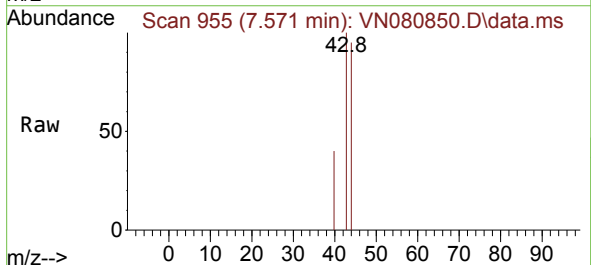


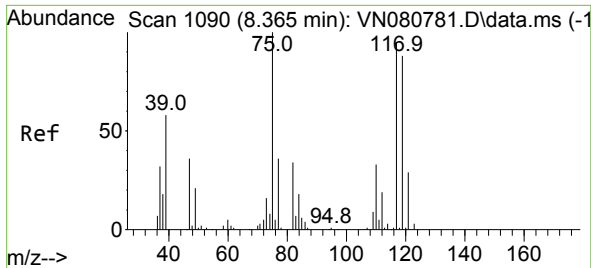
Tgt Ion: 75 Resp: 9611
Ion Ratio Lower Upper
75 100
110 5.3 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.302 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

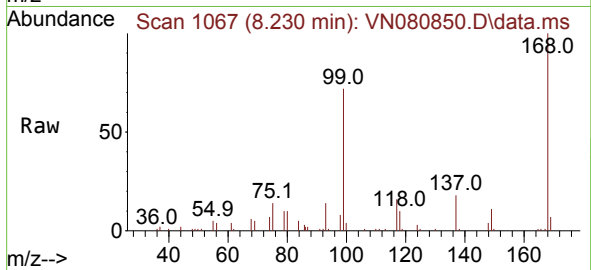
Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#



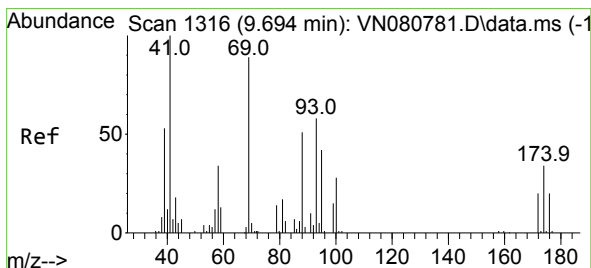
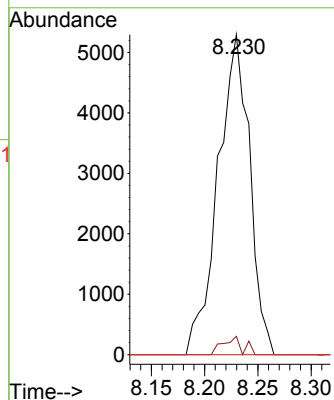
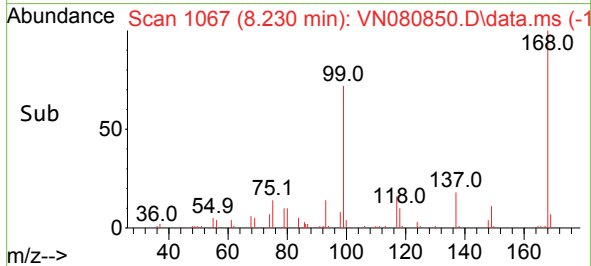


#38
Carbon Tetrachloride
Concen: 5.837 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

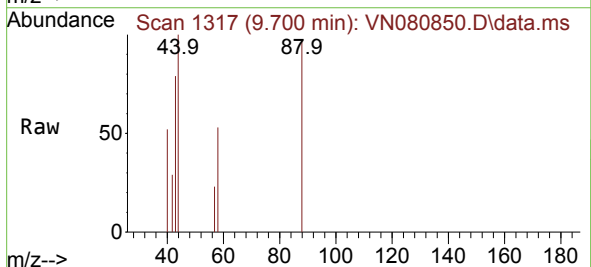
Instrument :
MSVOA_N
ClientSampleId :
1249



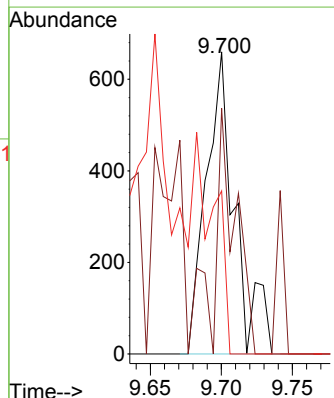
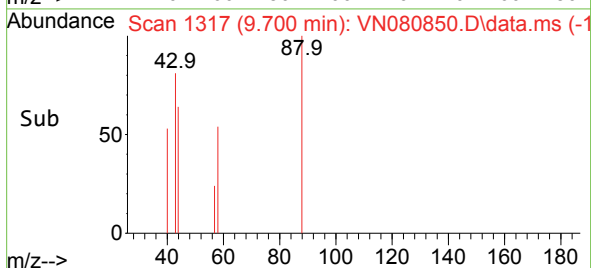
Tgt Ion:117 Resp: 10954
Ion Ratio Lower Upper
117 100
119 5.7 73.4 110.2#
121 0.0 24.4 36.6#

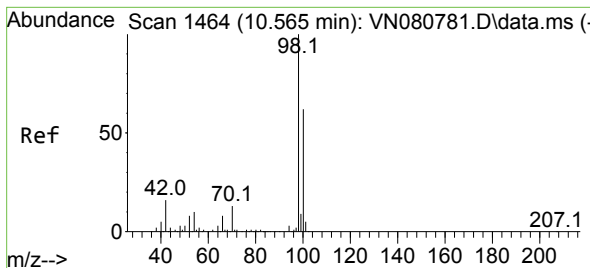


#49
1,4-Dioxane
Concen: 36.483 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07



Tgt Ion: 88 Resp: 930
Ion Ratio Lower Upper
88 100
43 48.9 30.1 45.1#
58 0.0 63.9 95.9#





#50

Toluene-d8

Concen: 44.497 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080850.D

Acq: 31 Jan 2024 19:07

Instrument :

MSVOA_N

ClientSampleId :

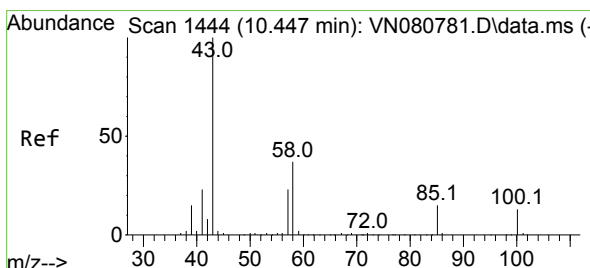
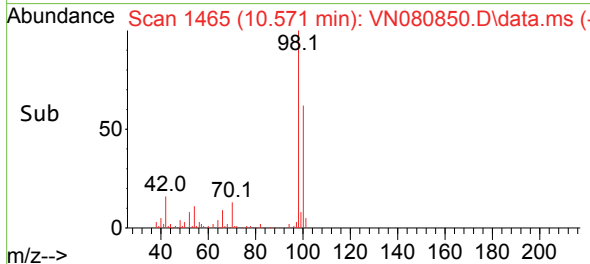
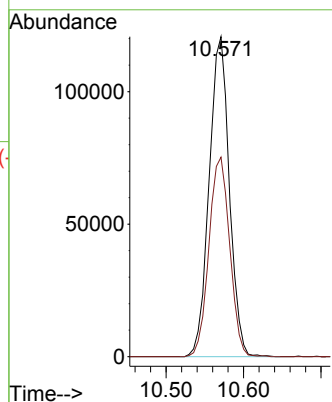
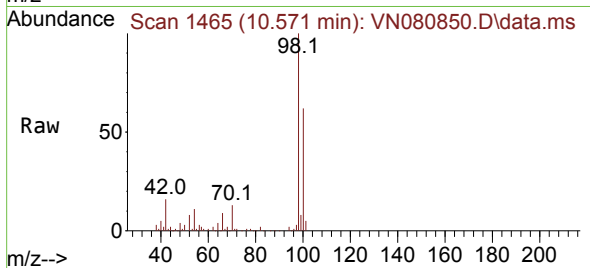
1249

Tgt Ion: 98 Resp: 218240

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.427 ug/l

RT: 10.435 min Scan# 1442

Delta R.T. -0.012 min

Lab File: VN080850.D

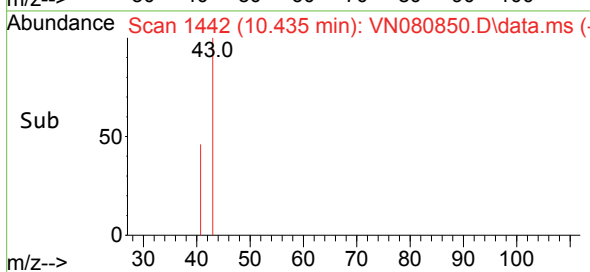
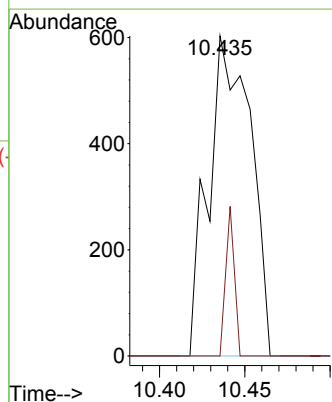
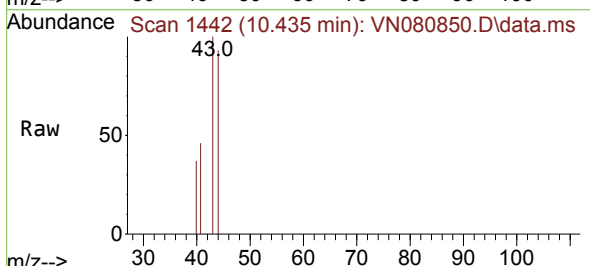
Acq: 31 Jan 2024 19:07

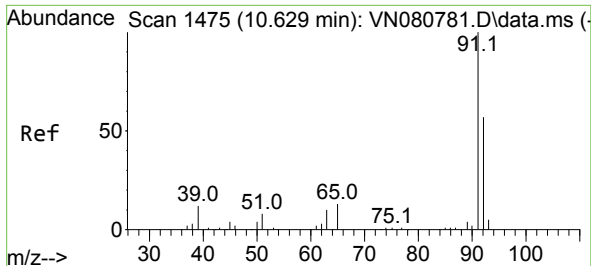
Tgt Ion: 43 Resp: 1041

Ion Ratio Lower Upper

43 100

58 9.6 29.4 44.0#

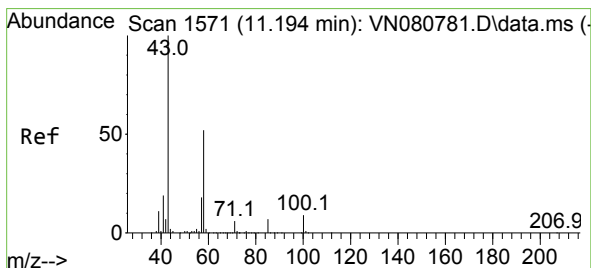
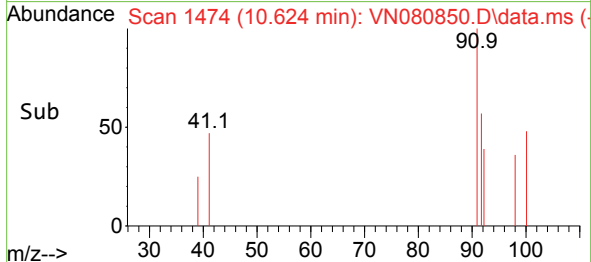
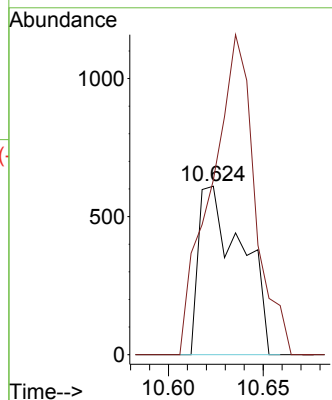
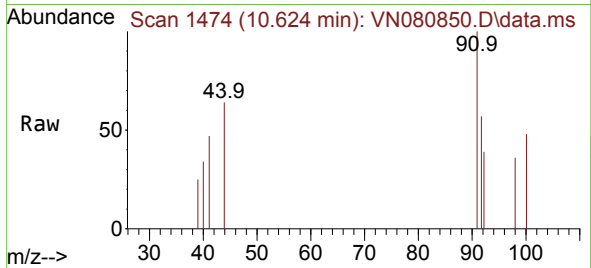




#52
Toluene
Concen: 0.246 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

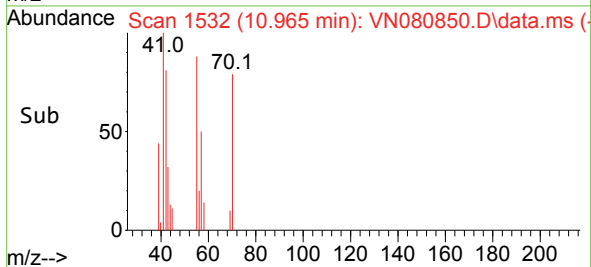
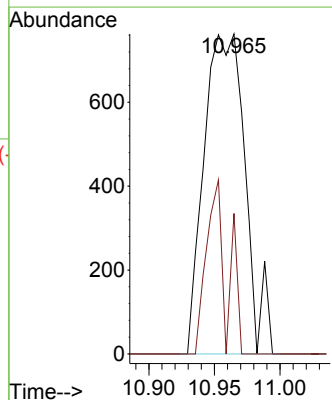
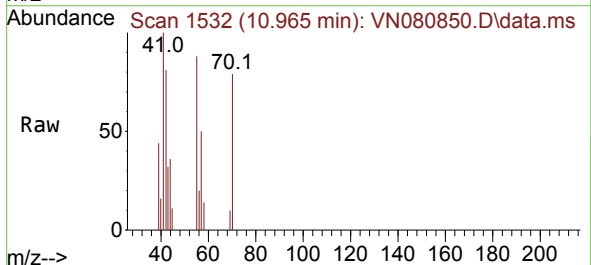
Instrument :
MSVOA_N
ClientSampleId :
1249

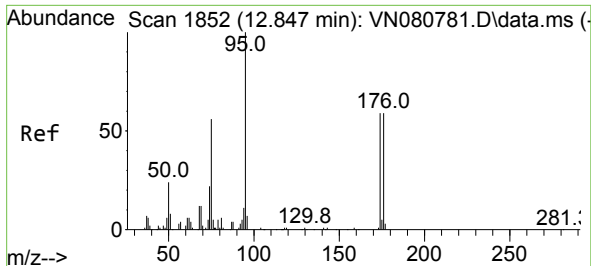
Tgt Ion: 92 Resp: 967
Ion Ratio Lower Upper
92 100
91 192.0 139.4 209.0



#59
2-Hexanone
Concen: 0.877 ug/l
RT: 10.965 min Scan# 1532
Delta R.T. -0.229 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Tgt Ion: 43 Resp: 1663
Ion Ratio Lower Upper
43 100
58 26.9 25.9 77.8

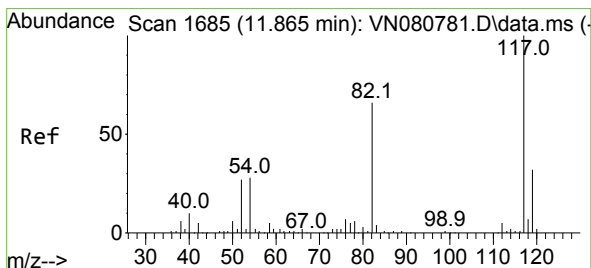
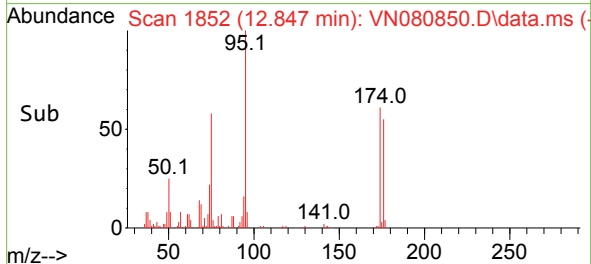
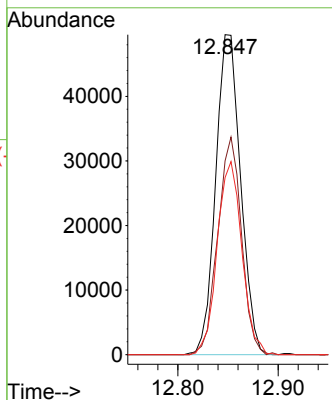
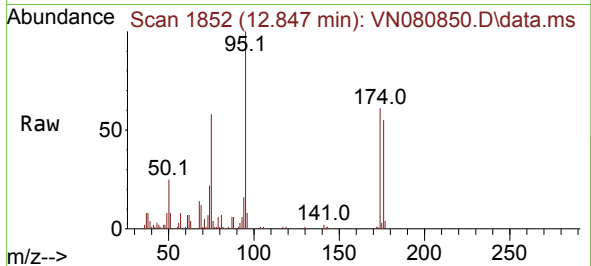




#62
4-Bromofluorobenzene
Concen: 50.084 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

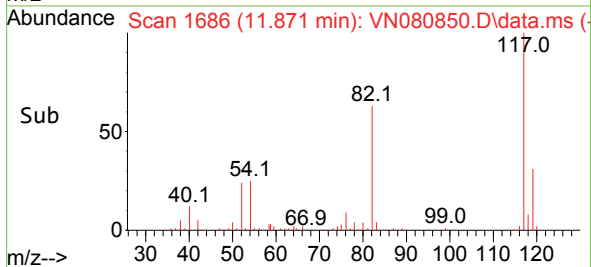
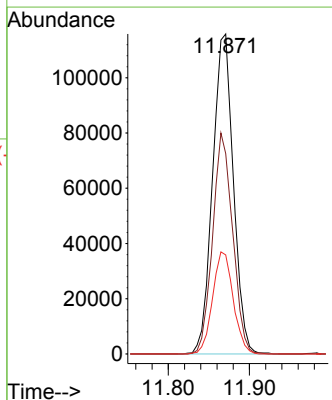
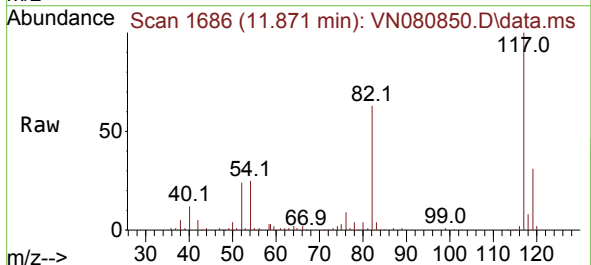
Instrument :
MSVOA_N
ClientSampleId :
1249

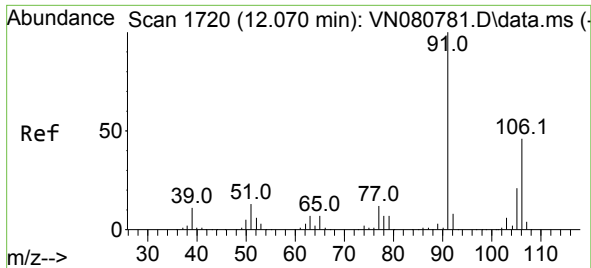
Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.6	0.0	120.4
176	59.8	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.6	52.7	79.1
119	31.0	25.3	37.9

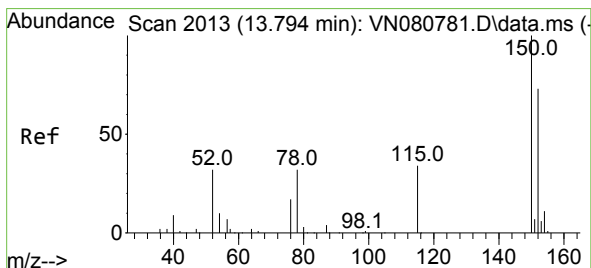
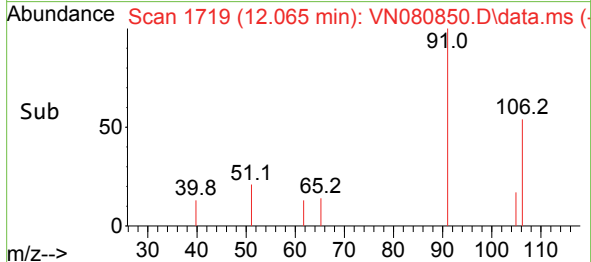
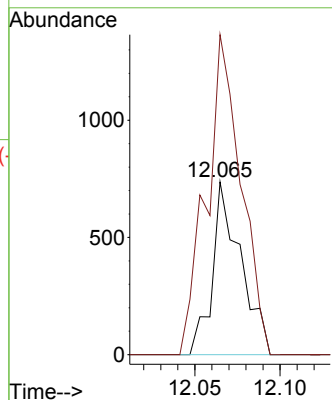
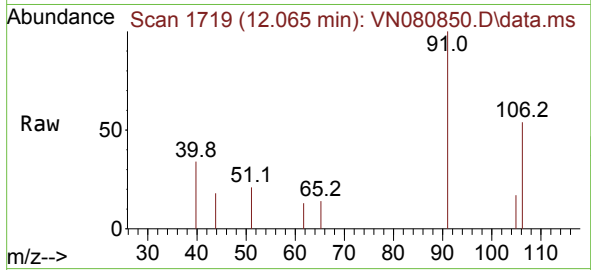




#68
m/p-Xylenes
Concen: 0.286 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

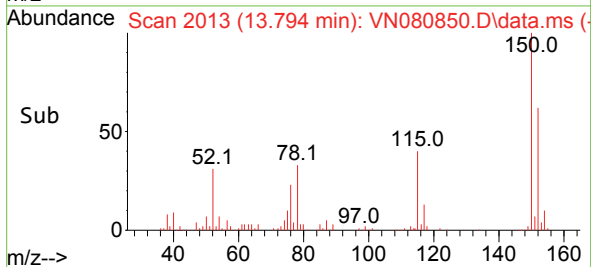
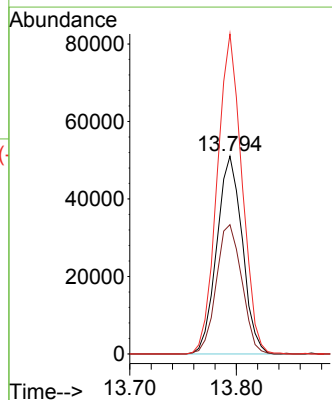
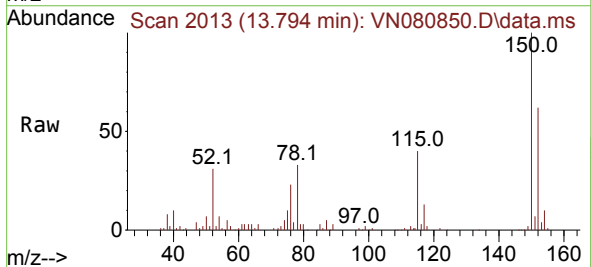
Instrument :
MSVOA_N
ClientSampleId :
1249

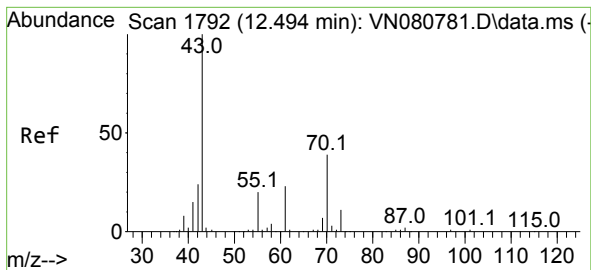
Tgt Ion:106 Resp: 851
Ion Ratio Lower Upper
106 100
91 227.1 169.0 253.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Tgt Ion:152 Resp: 84725
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 157.6 0.0 339.8





#74

N-amy1 acetate

Concen: 3.432 ug/l

RT: 12.424 min Scan# 1

Delta R.T. -0.070 min

Lab File: VN080850.D

Acq: 31 Jan 2024 19:07

Instrument :

MSVOA_N

ClientSampleId :

1249

Tgt Ion: 43 Resp: 16531

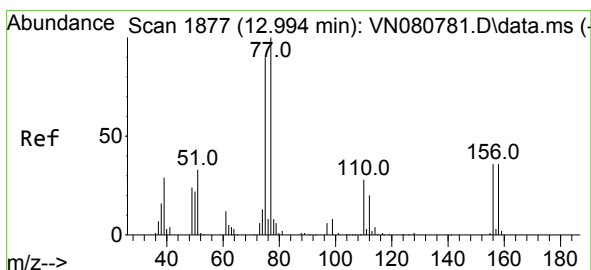
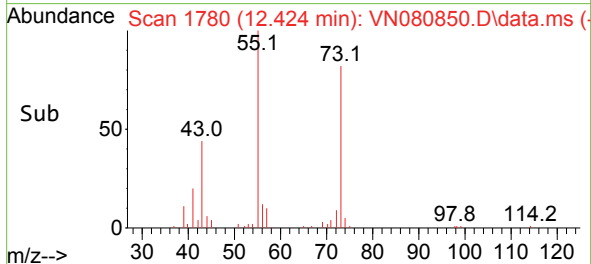
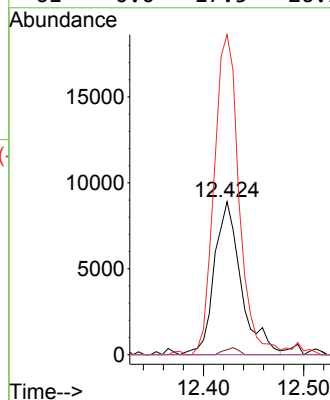
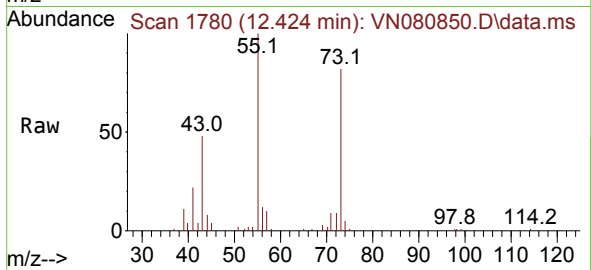
Ion Ratio Lower Upper

43 100

70 2.4 30.1 45.1#

55 193.4 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 19.967 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080850.D

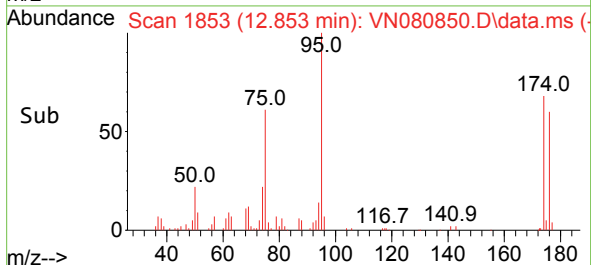
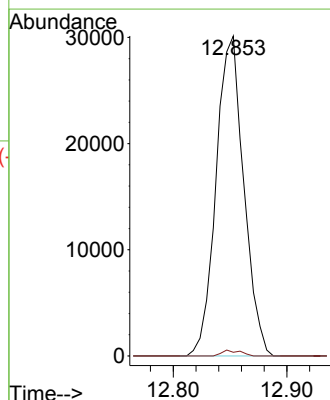
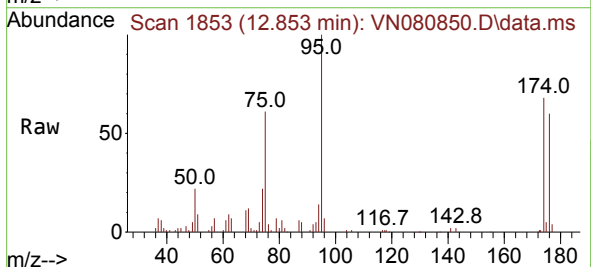
Acq: 31 Jan 2024 19:07

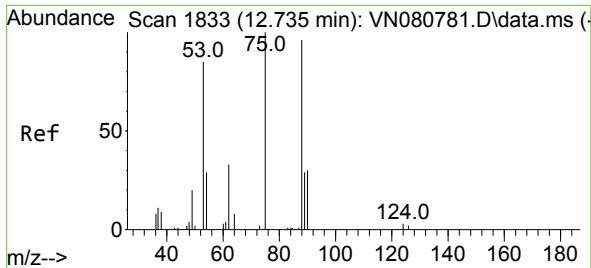
Tgt Ion: 75 Resp: 51021

Ion Ratio Lower Upper

75 100

77 1.2 91.0 272.8#

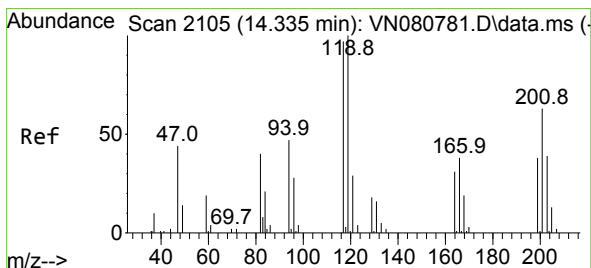
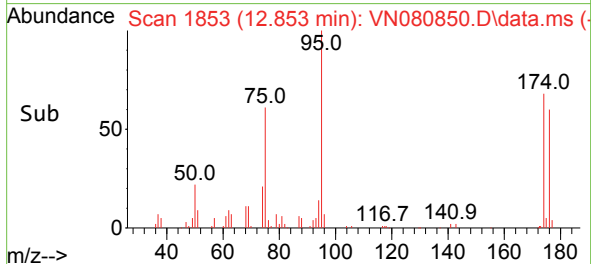
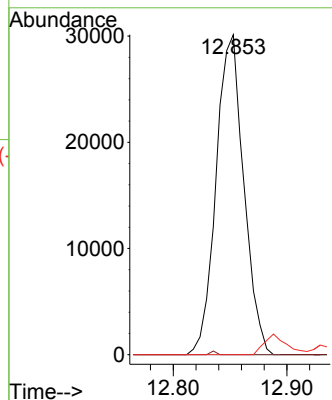
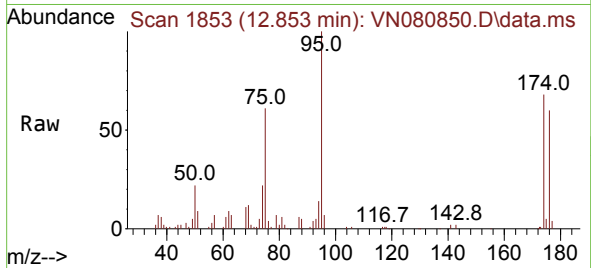




#81
trans-1,4-Dichloro-2-butene
Concen: 51.438 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :
1249

Tgt Ion: 75 Resp: 51021
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.0 33.4 50.0#



#90
Hexachloroethane
Concen: 0.217 ug/l
RT: 14.447 min Scan# 2124
Delta R.T. 0.112 min
Lab File: VN080850.D
Acq: 31 Jan 2024 19:07

Tgt Ion: 117 Resp: 215
Ion Ratio Lower Upper
117 100
201 0.0 30.0 90.0#

