

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042524\
 Data File : VN081854.D
 Acq On : 25 Apr 2024 16:40
 Operator : JC\MD
 Sample : P2257-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41B

Quant Time: Apr 26 05:37:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

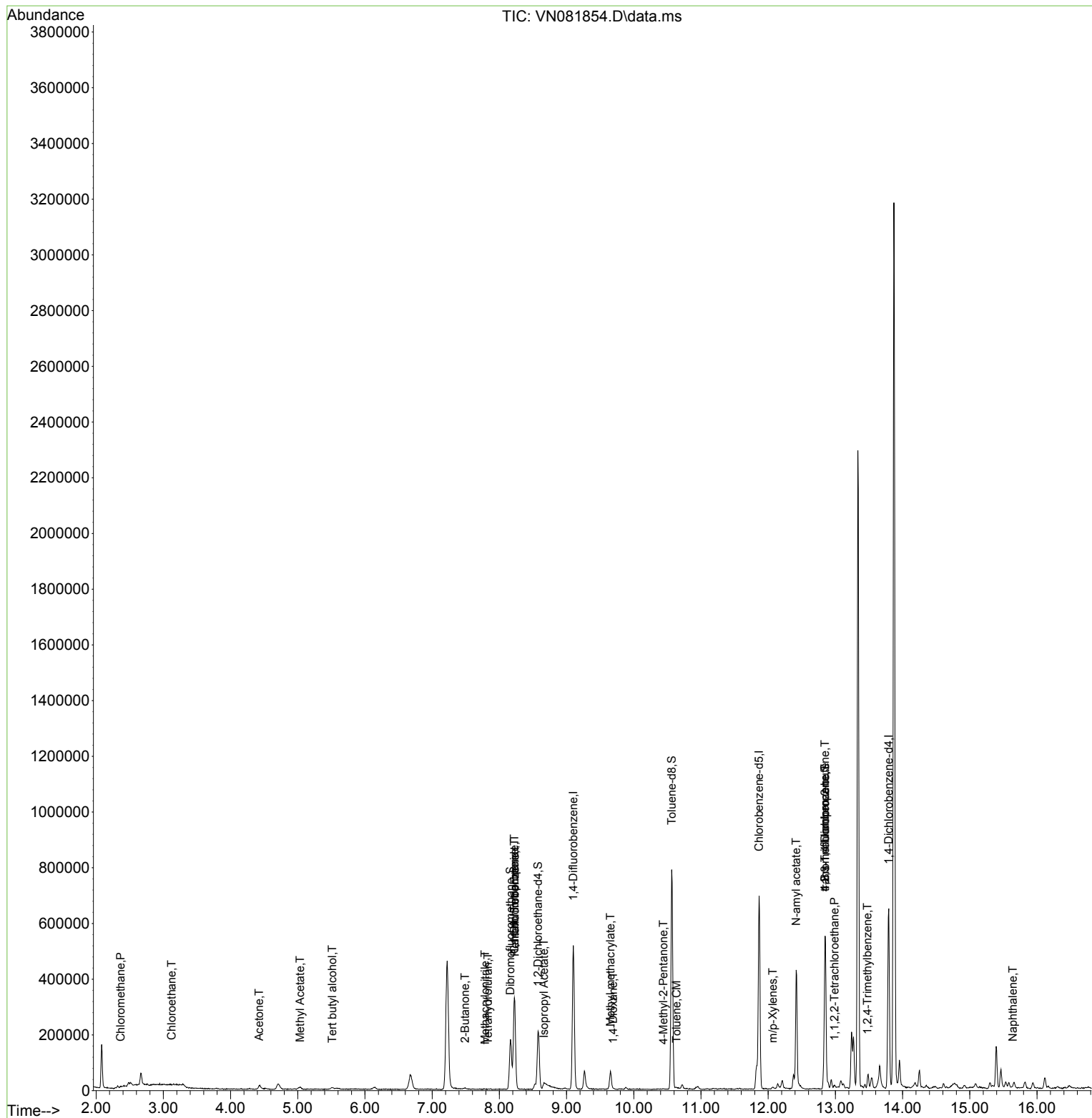
Internal Standards						
1) Pentafluorobenzene	8.230	168	226201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	416552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	364870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	159869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	176372	46.199	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.400%
35) Dibromofluoromethane	8.165	113	128143	51.094	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.180%
50) Toluene-d8	10.565	98	517790	52.567	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.140%
62) 4-Bromofluorobenzene	12.847	95	195871	50.304	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	100.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	976	0.295	ug/l #	80
5) Bromomethane	2.965	94	944	Below Cal		85
6) Chloroethane	3.124	64	318	0.210	ug/l #	51
11) Tert butyl alcohol	5.512	59	10394	14.977	ug/l #	91
13) Acrolein	4.183	56	544	Below Cal	#	48
16) Acetone	4.424	43	25451	17.459	ug/l	100
18) Methyl Acetate	5.036	43	16173	4.182	ug/l #	47
25) 2-Butanone	7.488	43	7452	3.439	ug/l	91
29) Tetrahydrofuran	7.830	42	554	0.357	ug/l #	69
36) 1,1-Dichloropropene	8.224	75	20624	5.055	ug/l #	44
38) Carbon Tetrachloride	8.224	117	25370	6.362	ug/l #	17
41) Methacrylonitrile	7.788	41	611	0.217	ug/l #	38
43) Isopropyl Acetate	8.665	43	20727	2.499	ug/l #	54
48) Methyl methacrylate	9.653	41	18030	4.553	ug/l #	40
49) 1,4-Dioxane	9.694	88	819	13.608	ug/l #	68
51) 4-Methyl-2-Pentanone	10.441	43	1312	0.281	ug/l #	69
52) Toluene	10.635	92	1883	0.257	ug/l #	28
68) m/p-Xylenes	12.071	106	1912	0.362	ug/l #	65
74) N-amyl acetate	12.418	43	93042	11.757	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.988	83	6926	1.623	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	108546	26.187	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	108546	53.660	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.476	105	6236	0.519	ug/l	93
95) Naphthalene	15.641	128	2337	0.208	ug/l #	69

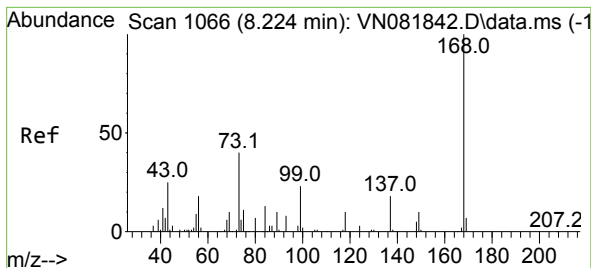
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN081854.D

Acq: 25 Apr 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :

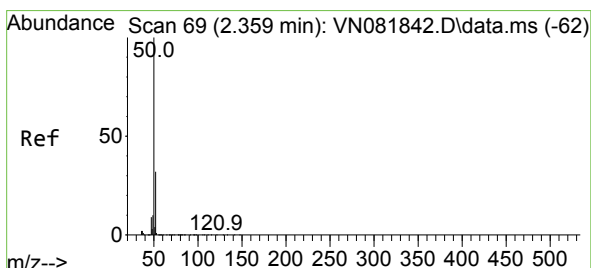
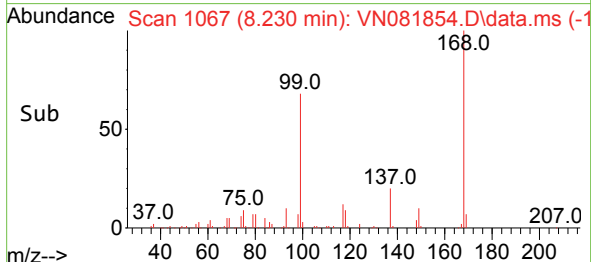
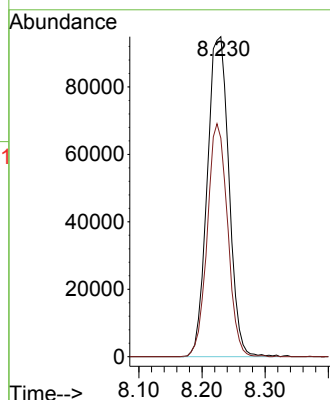
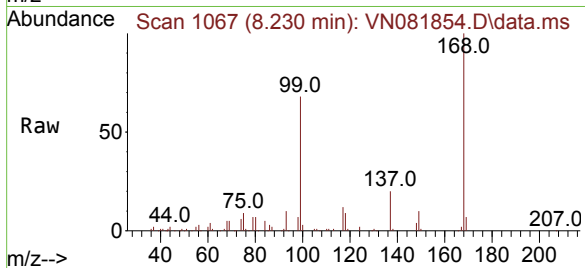
41B

Tgt Ion:168 Resp: 226201

Ion Ratio Lower Upper

168 100

99 68.3 48.2 72.4



#3

Chloromethane

Concen: 0.295 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081854.D

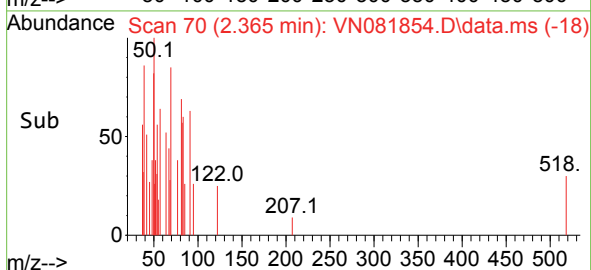
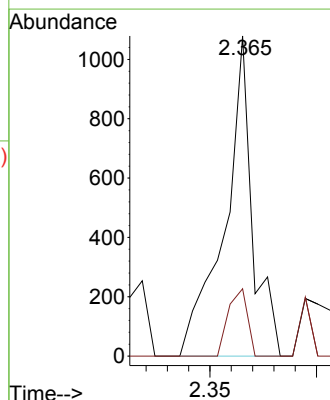
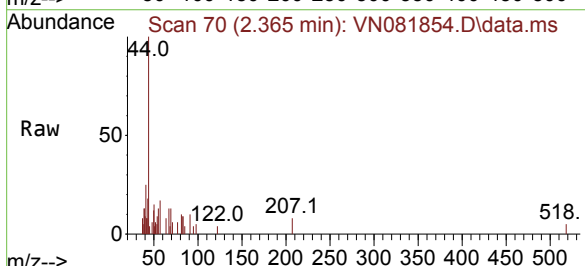
Acq: 25 Apr 2024 16:40

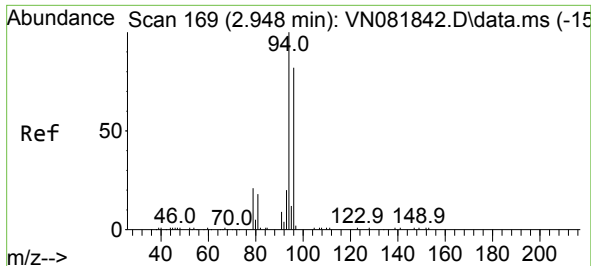
Tgt Ion: 50 Resp: 976

Ion Ratio Lower Upper

50 100

52 21.0 25.5 38.3#

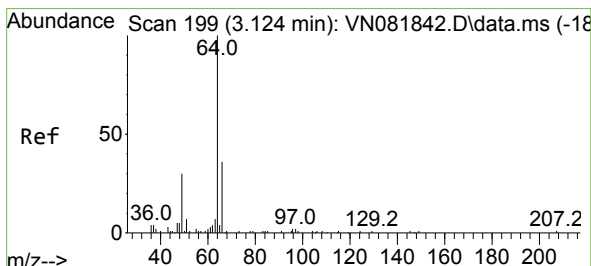
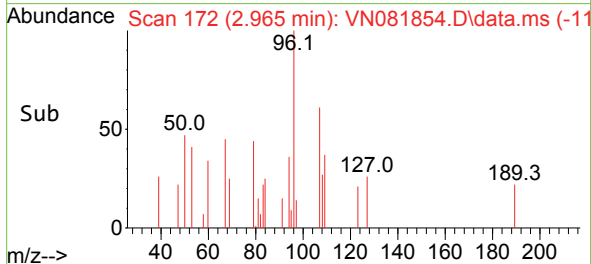
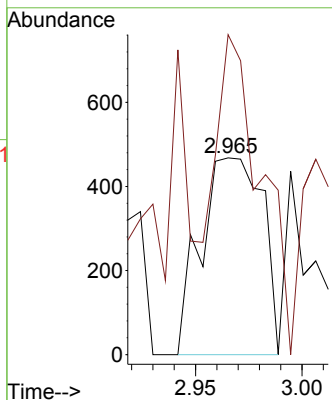
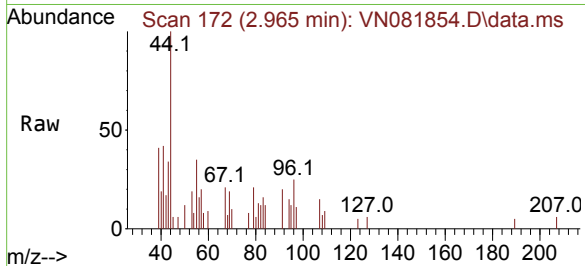




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

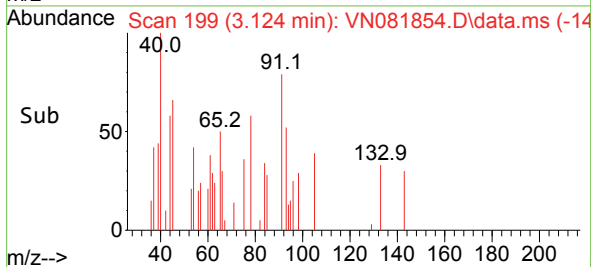
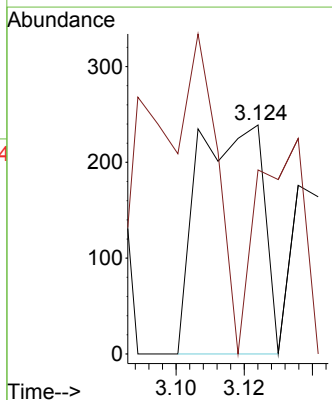
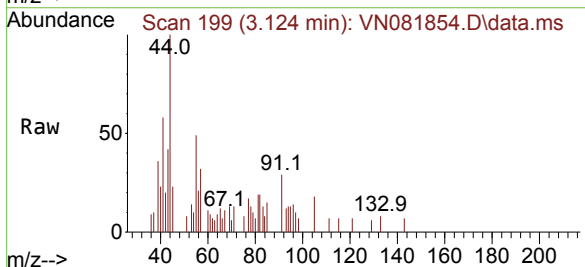
Instrument :
MSVOA_N
ClientSampleId :
41B

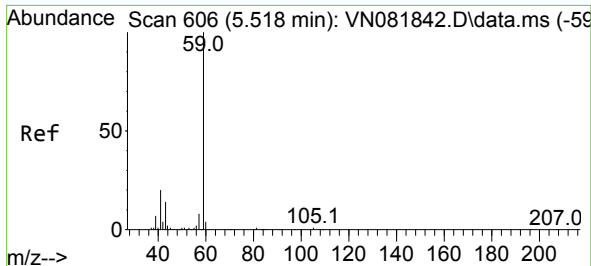
Tgt Ion: 94 Resp: 944
Ion Ratio Lower Upper
94 100
96 79.1 74.8 112.2



#6
Chloroethane
Concen: 0.210 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

Tgt Ion: 64 Resp: 318
Ion Ratio Lower Upper
64 100
66 4.2 24.7 37.1#

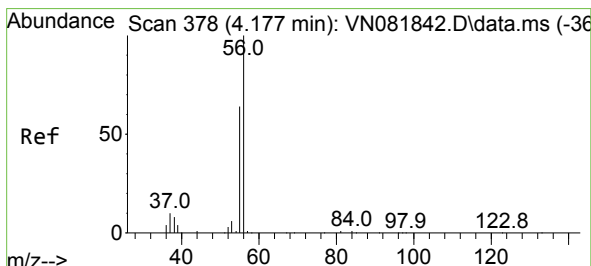
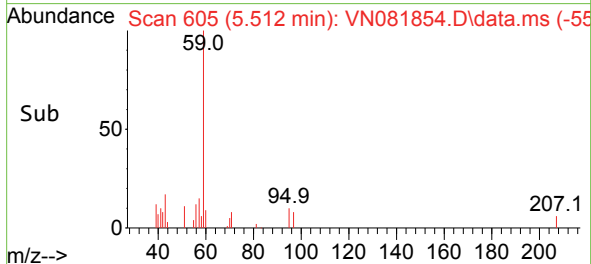
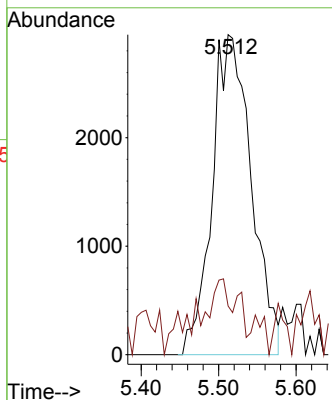
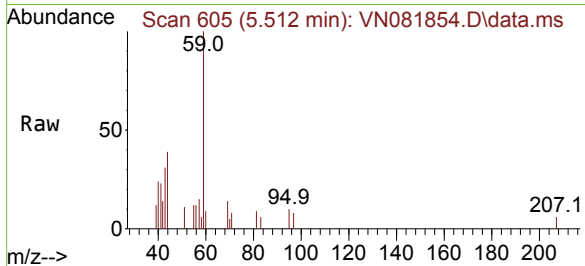




#11
Tert butyl alcohol
Concen: 14.977 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

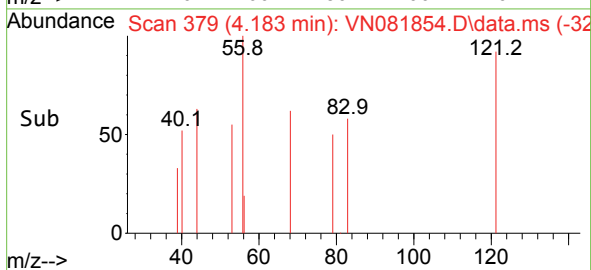
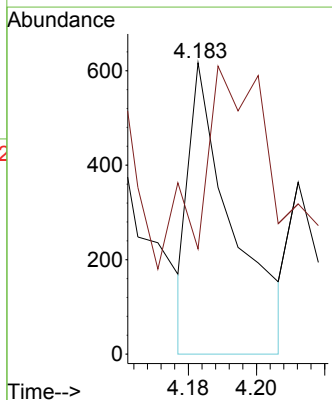
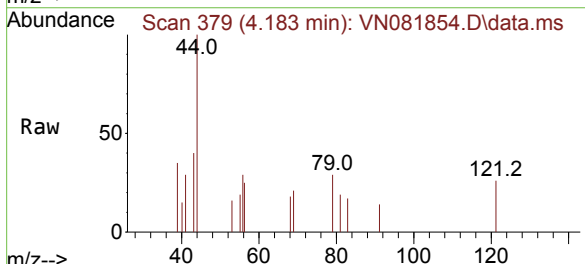
Instrument :
MSVOA_N
ClientSampleId :
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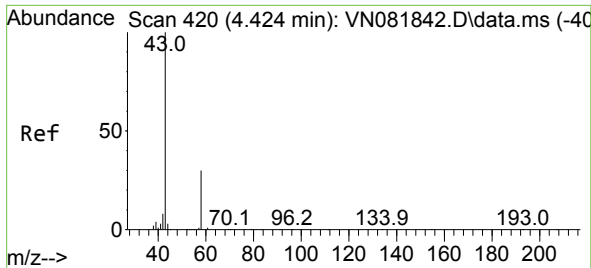
Tgt Ion: 59 Resp: 10394
Ion Ratio Lower Upper
59 100
57 7.9 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

Tgt Ion: 56 Resp: 544
Ion Ratio Lower Upper
56 100
55 112.1 55.8 83.8#

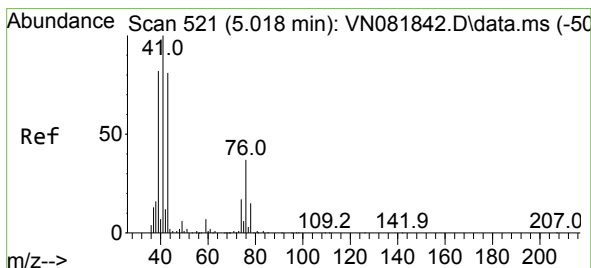
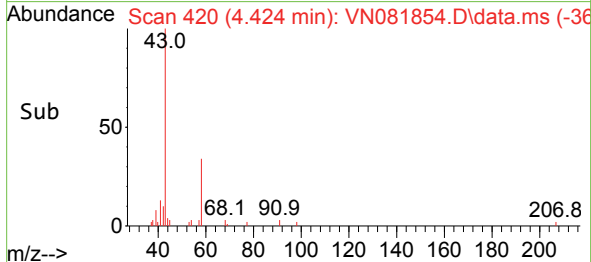
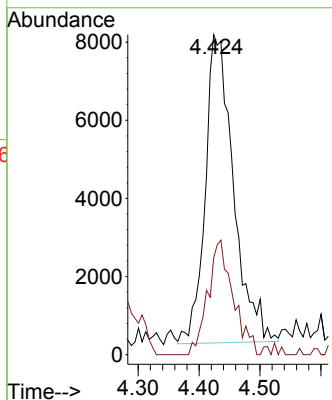
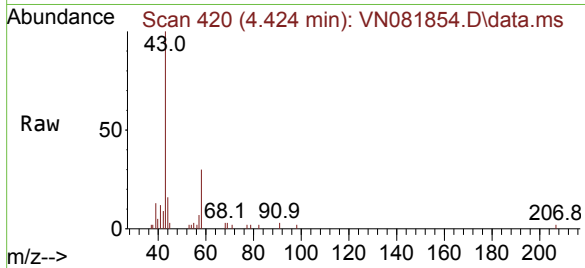




#16
Acetone
Concen: 17.459 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

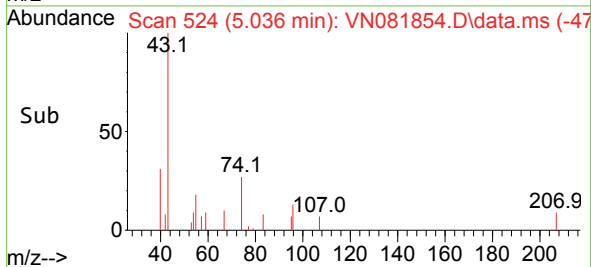
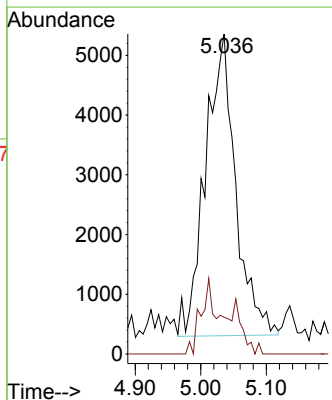
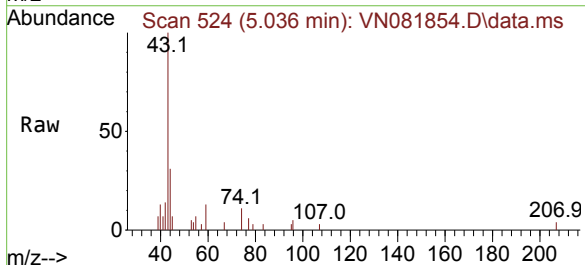
Instrument :
MSVOA_N
ClientSampleId :
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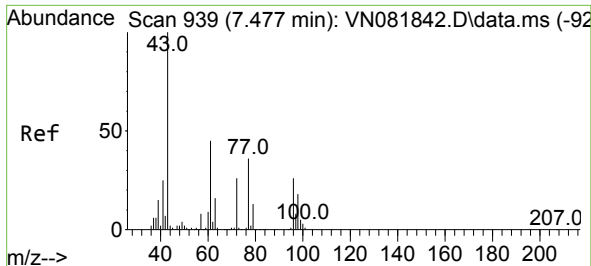
Tgt Ion: 43 Resp: 25451
Ion Ratio Lower Upper
43 100
58 31.6 25.2 37.8



#18
Methyl Acetate
Concen: 4.182 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

Tgt Ion: 43 Resp: 16173
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#

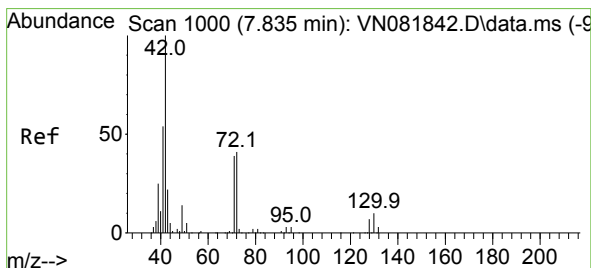
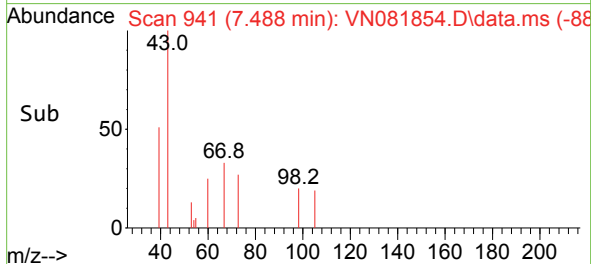
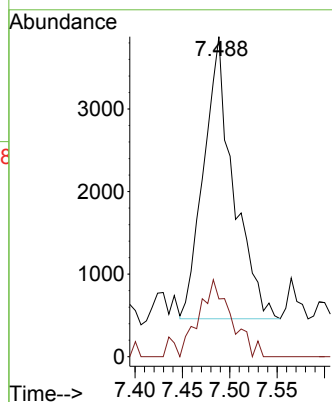
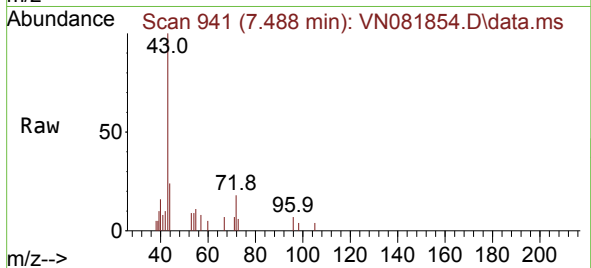




#25
2-Butanone
Concen: 3.439 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

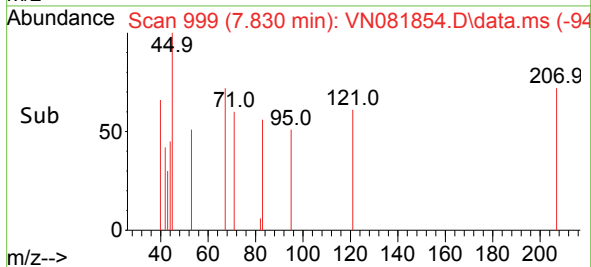
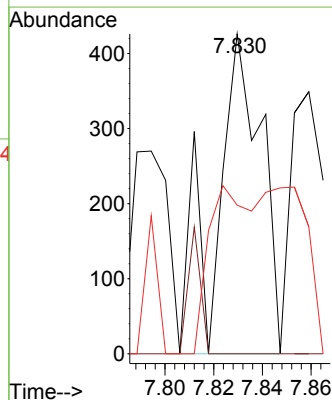
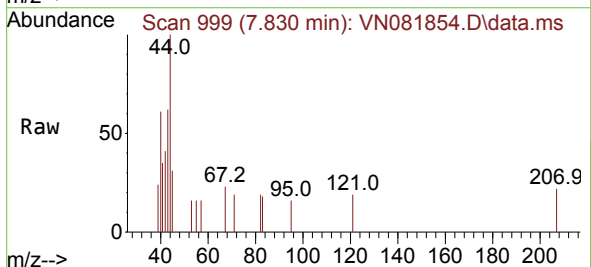
Instrument :
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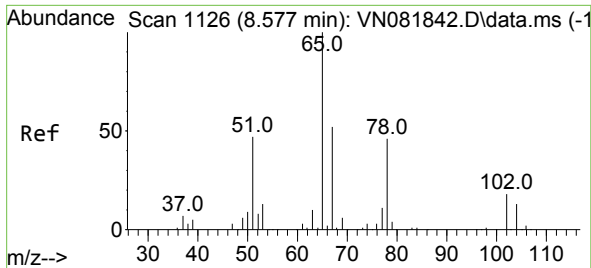
Tgt Ion: 43 Resp: 7452
Ion Ratio Lower Upper
43 100
72 26.8 25.3 37.9



#29
Tetrahydrofuran
Concen: 0.357 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

Tgt Ion: 42 Resp: 554
Ion Ratio Lower Upper
42 100
72 10.8 39.3 58.9#
71 49.5 37.4 56.0

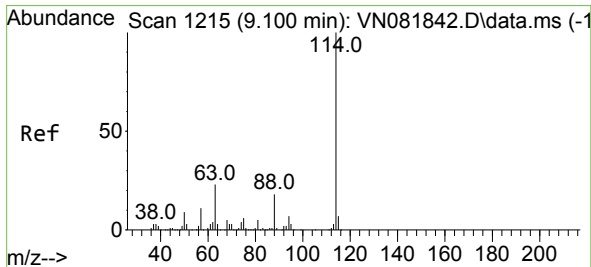
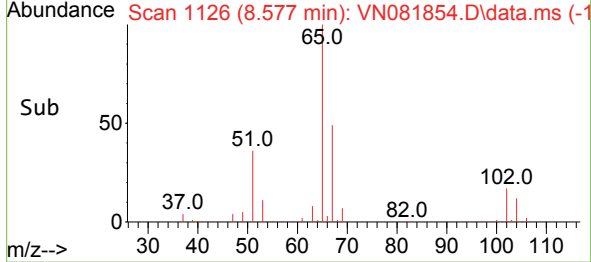
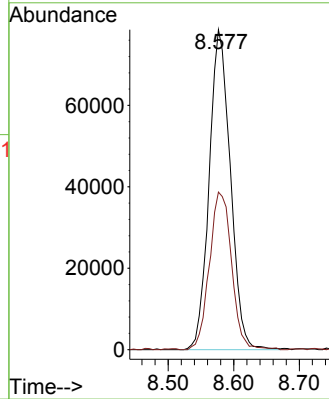
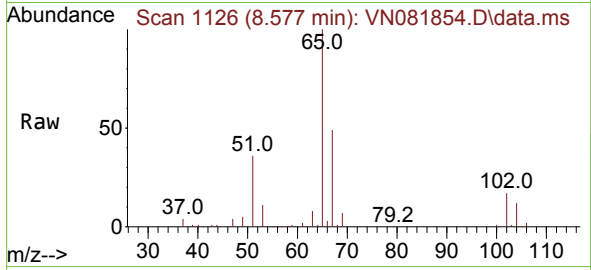




#33
 1,2-Dichloroethane-d4
 Concen: 46.199 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN081854.D
 Acq: 25 Apr 2024 16:40

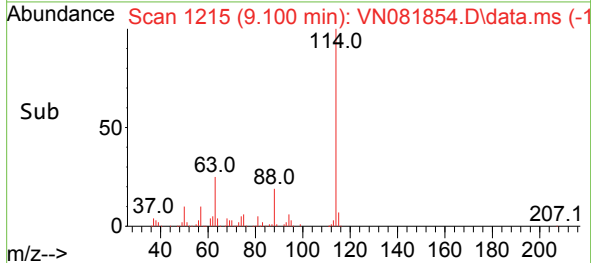
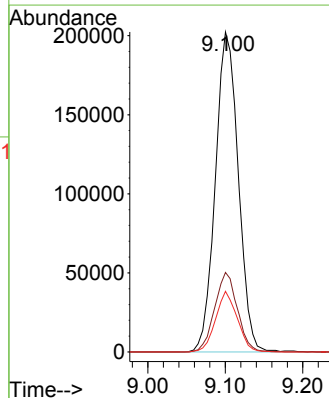
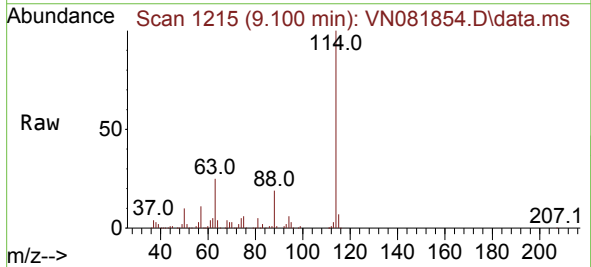
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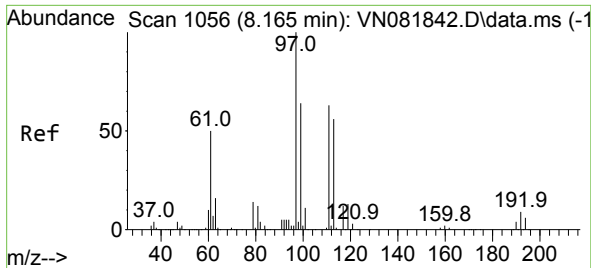
Tgt Ion: 65 Resp: 176372
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN081854.D
 Acq: 25 Apr 2024 16:40

Tgt Ion: 114 Resp: 416552
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 41.0
 88 19.0 0.0 31.4

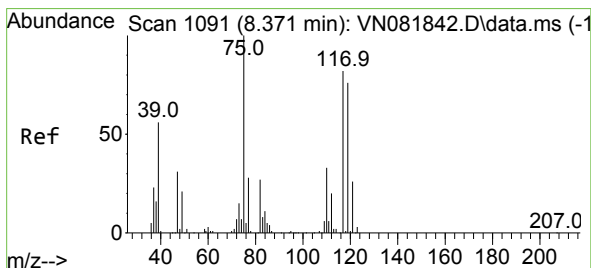
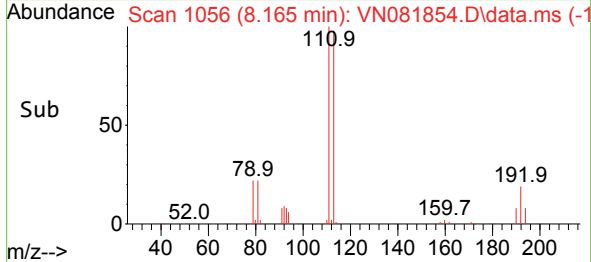
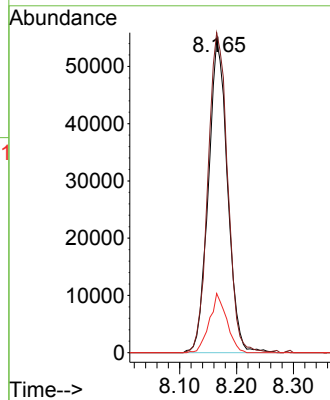
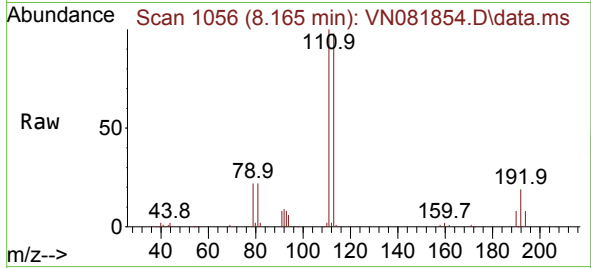




#35
Dibromofluoromethane
Concen: 51.094 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

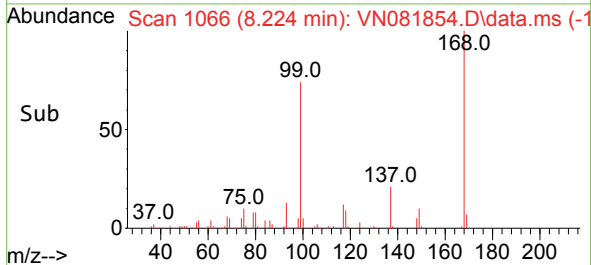
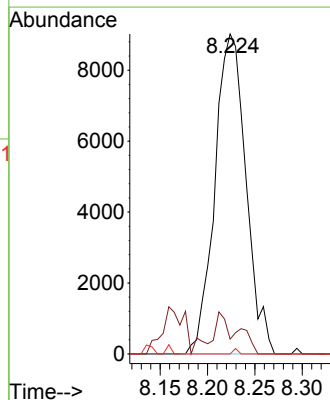
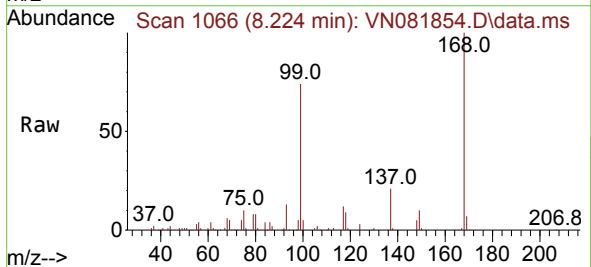
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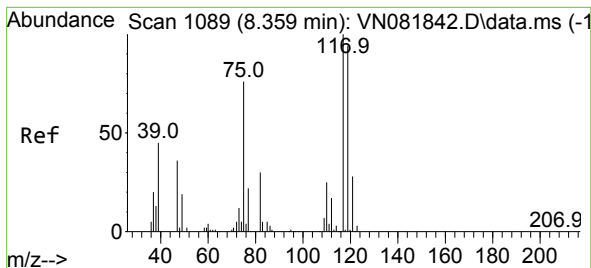
Tgt Ion:113 Resp: 128143
Ion Ratio Lower Upper
113 100
111 104.7 83.4 125.2
192 17.1 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.055 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

Tgt Ion: 75 Resp: 20624
Ion Ratio Lower Upper
75 100
110 3.0 17.8 53.5#
77 0.3 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.362 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081854.D

Acq: 25 Apr 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :

41B

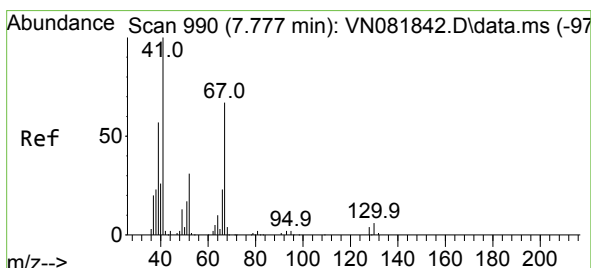
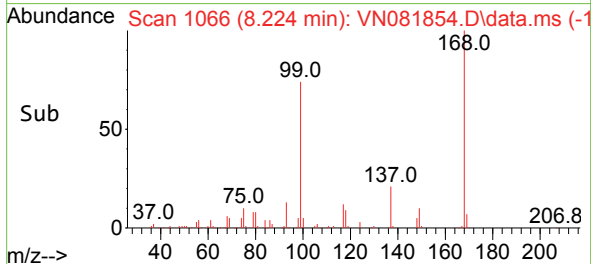
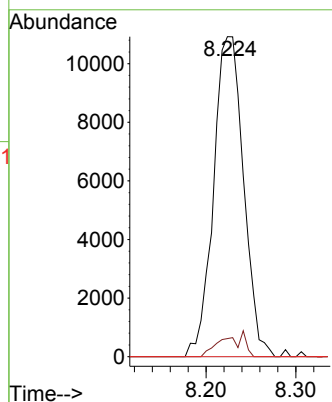
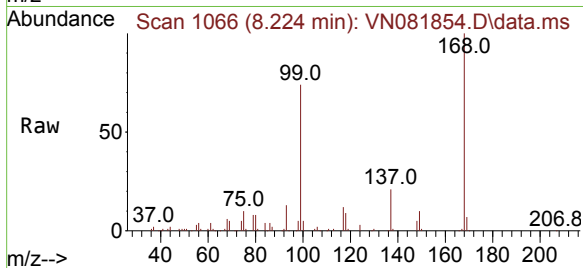
Tgt Ion:117 Resp: 25370

Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

121 0.0 23.9 35.9#



#41

Methacrylonitrile

Concen: 0.217 ug/l

RT: 7.788 min Scan# 992

Delta R.T. 0.012 min

Lab File: VN081854.D

Acq: 25 Apr 2024 16:40

Tgt Ion: 41 Resp: 611

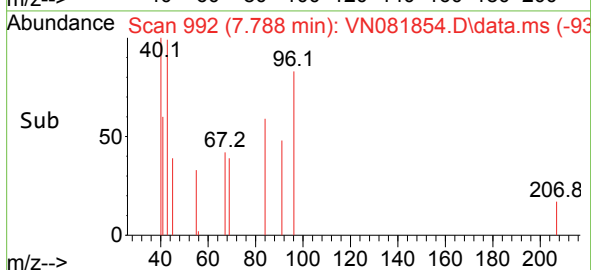
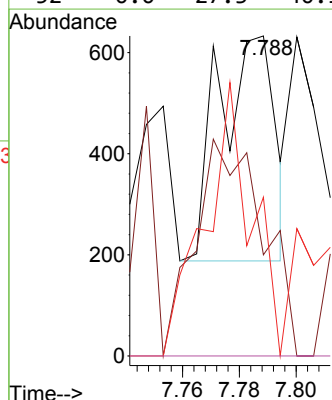
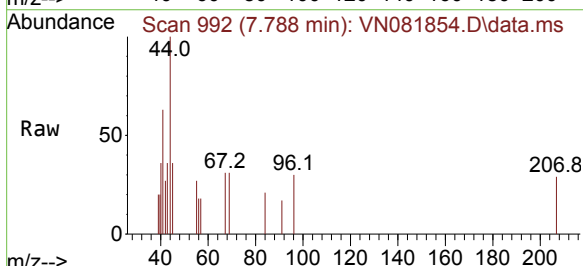
Ion Ratio Lower Upper

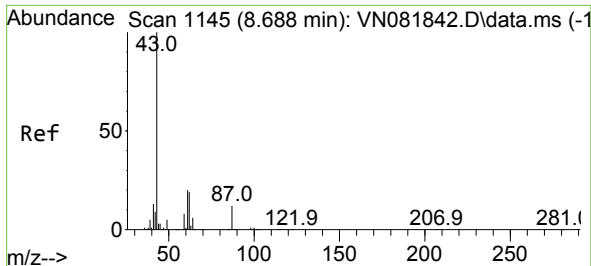
41 100

39 0.0 46.6 69.8#

67 37.3 67.3 100.9#

52 0.0 27.3 40.9#

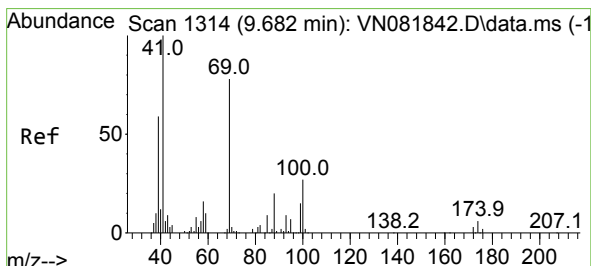
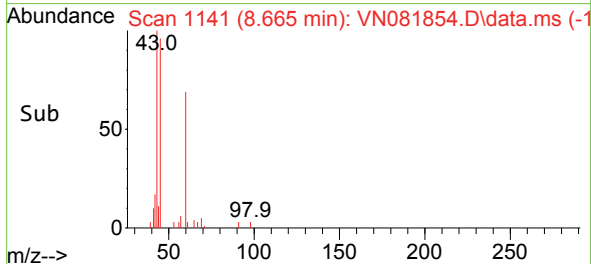
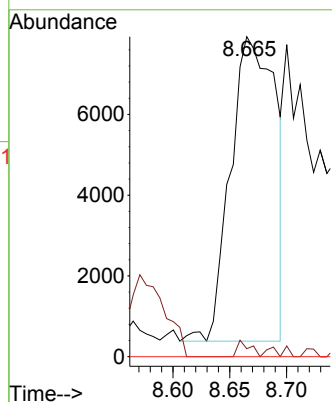
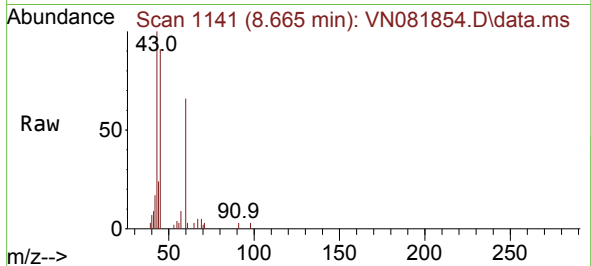




#43
Isopropyl Acetate
Concen: 2.499 ug/l
RT: 8.665 min Scan# 1145
Delta R.T. -0.023 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

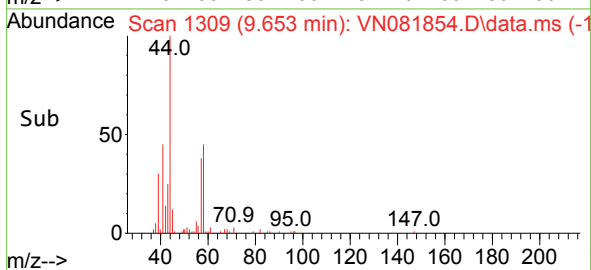
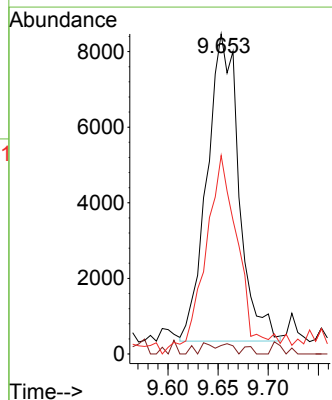
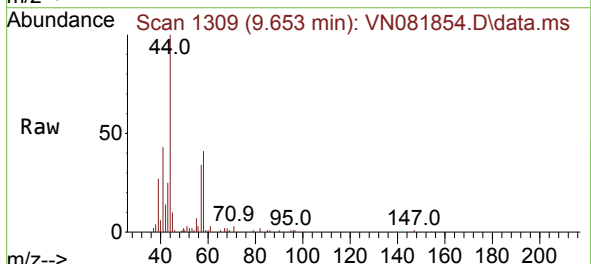
Instrument : MSVOA_N
ClientSampleId : 41B

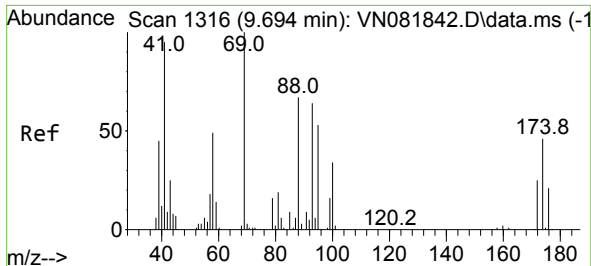
Tgt Ion: 43 Resp: 20727
Ion Ratio Lower Upper
43 100
61 1.5 22.8 34.2#
87 0.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 4.553 ug/l
RT: 9.653 min Scan# 1309
Delta R.T. -0.029 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

Tgt Ion: 41 Resp: 18030
Ion Ratio Lower Upper
41 100
69 1.4 77.9 116.9#
39 65.6 50.9 76.3





#49

1,4-Dioxane

Concen: 13.608 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN081854.D

Acq: 25 Apr 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :

41B

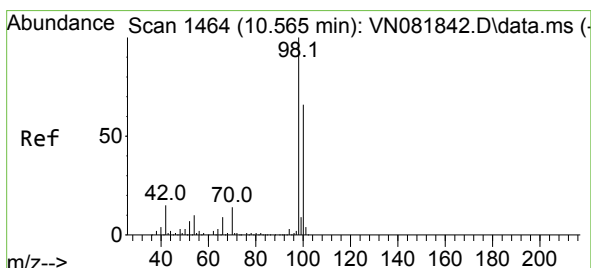
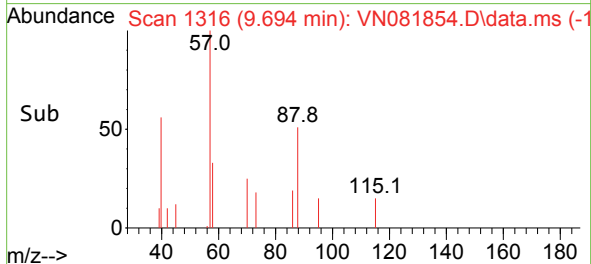
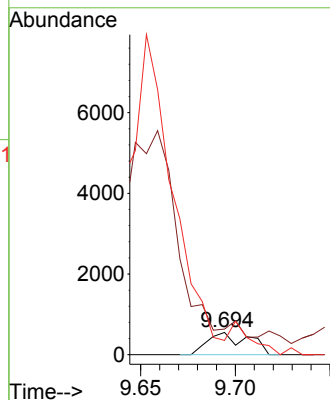
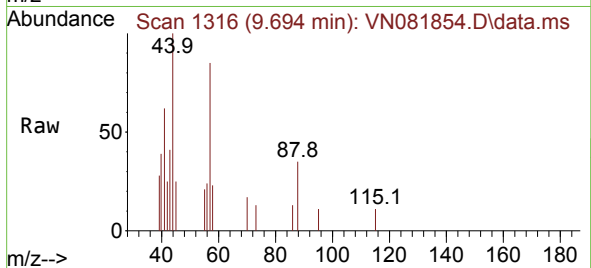
Tgt Ion: 88 Resp: 819

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 82.9 50.6 76.0#



#50

Toluene-d8

Concen: 52.567 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN081854.D

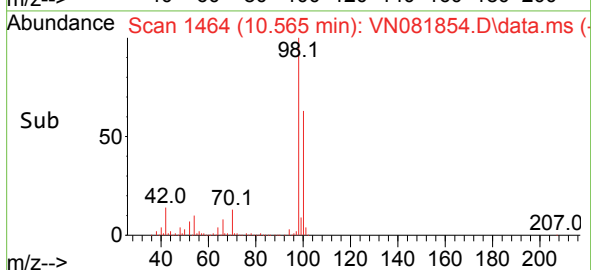
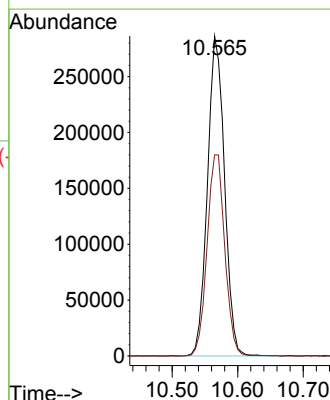
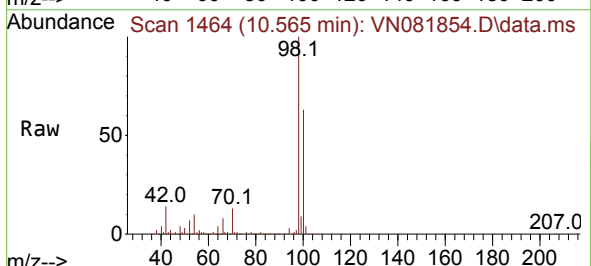
Acq: 25 Apr 2024 16:40

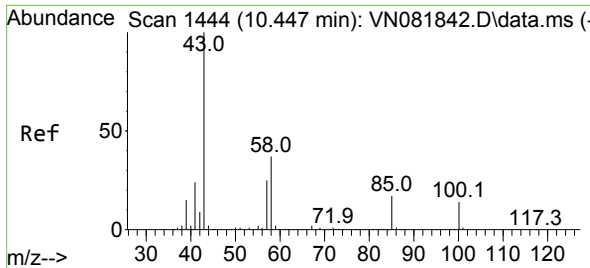
Tgt Ion: 98 Resp: 517790

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.6

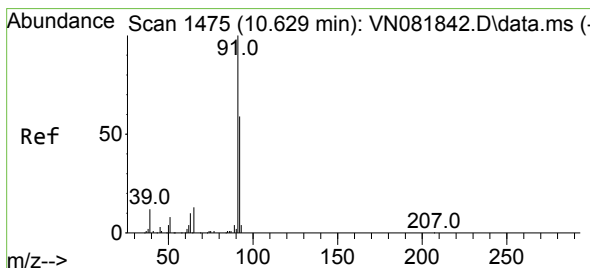
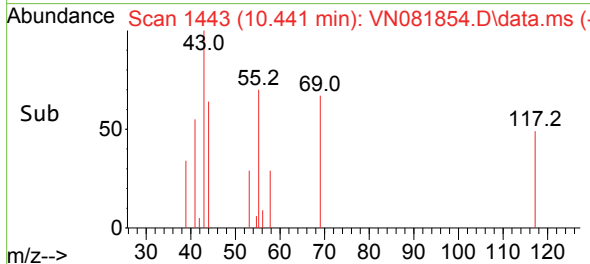
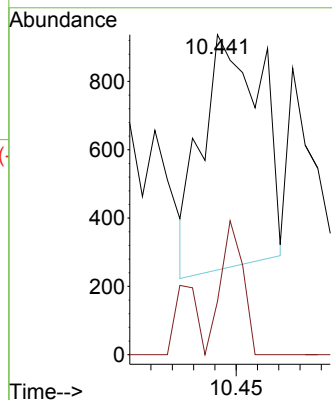
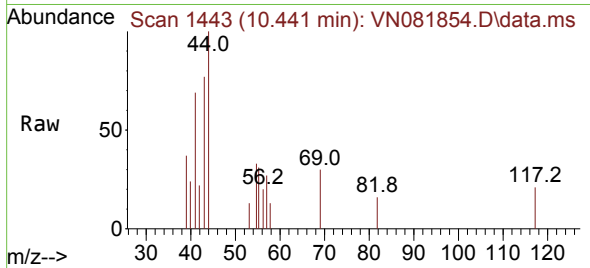




#51
4-Methyl-2-Pentanone
Concen: 0.281 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

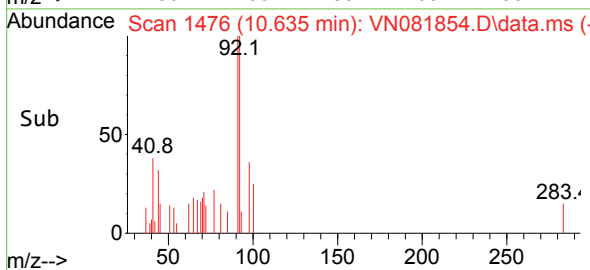
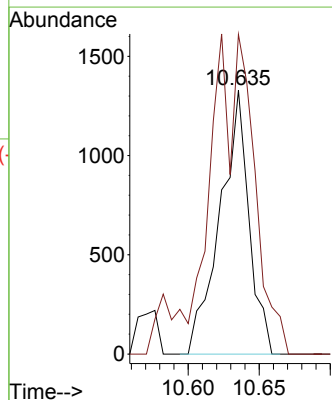
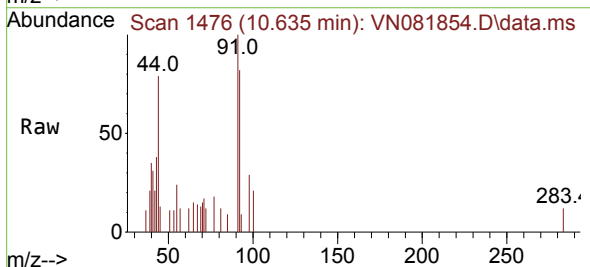
Instrument :
MSVOA_N
ClientSampleId :
41B

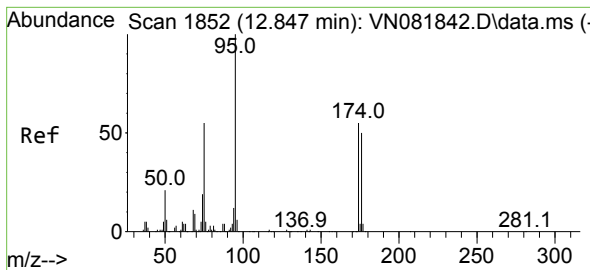
Tgt Ion: 43 Resp: 1312
Ion Ratio Lower Upper
43 100
58 21.8 33.2 49.8#



#52
Toluene
Concen: 0.257 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

Tgt Ion: 92 Resp: 1883
Ion Ratio Lower Upper
92 100
91 71.7 136.7 205.1#

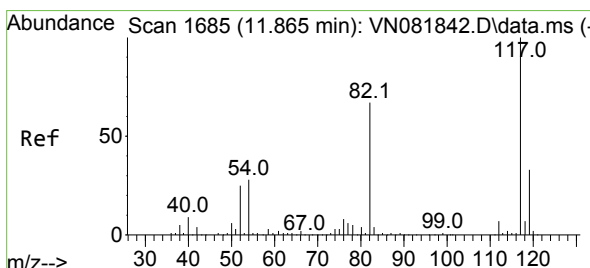
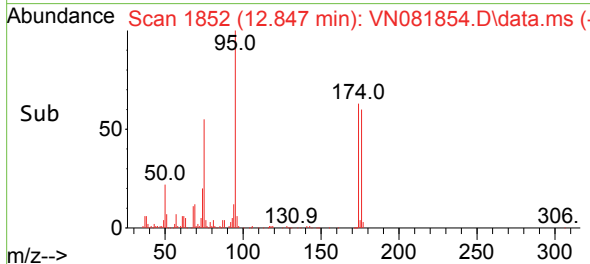
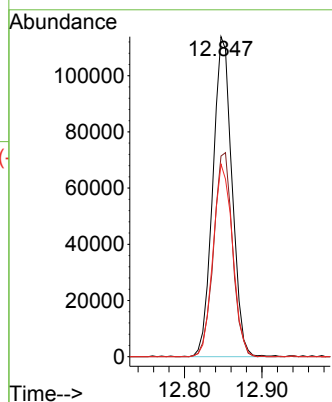
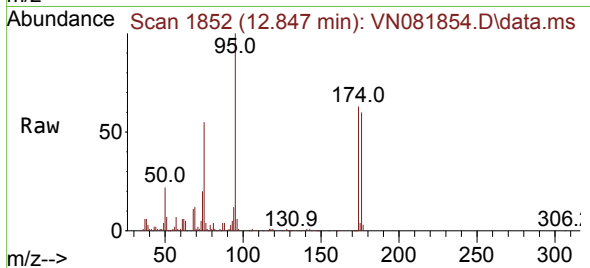




#62
4-Bromofluorobenzene
Concen: 50.304 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

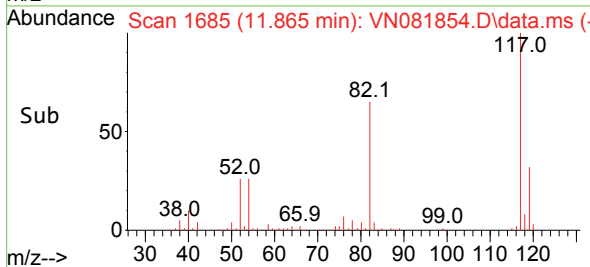
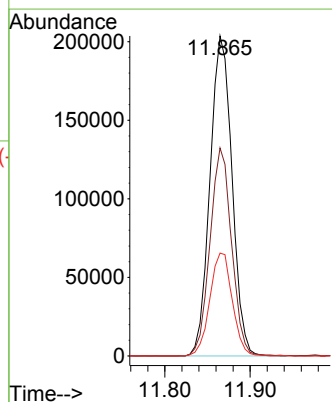
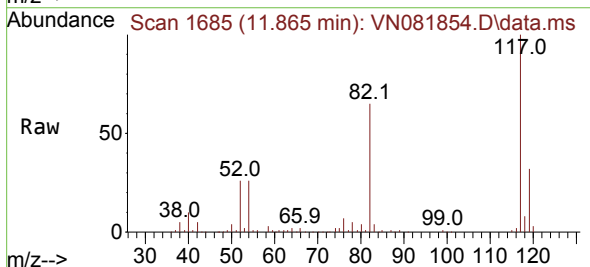
Instrument :
MSVOA_N
ClientSampleId :
41B

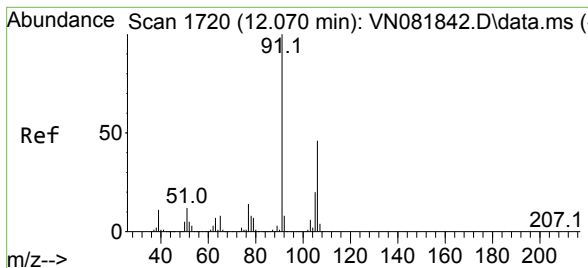
Tgt Ion: 95 Resp: 195871
Ion Ratio Lower Upper
95 100
174 62.9 0.0 160.6
176 61.2 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

Tgt Ion: 117 Resp: 364870
Ion Ratio Lower Upper
117 100
82 64.9 44.6 66.8
119 32.2 25.9 38.9

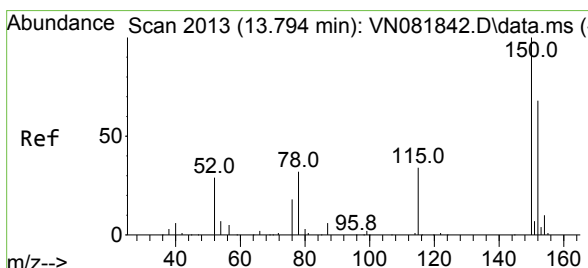
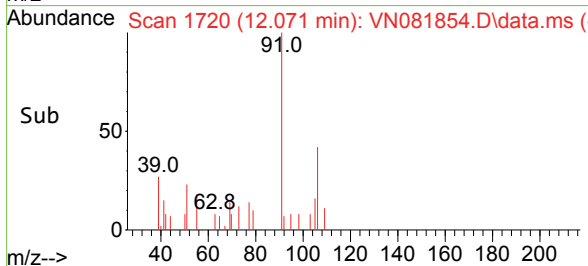
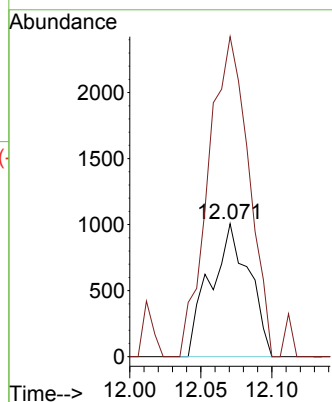
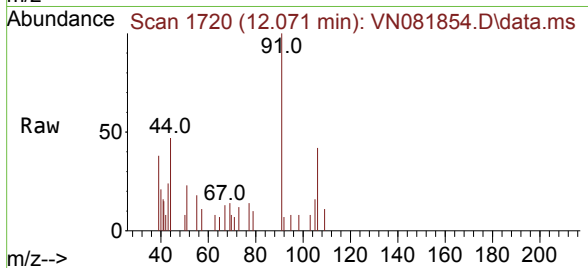




#68
m/p-Xylenes
Concen: 0.362 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

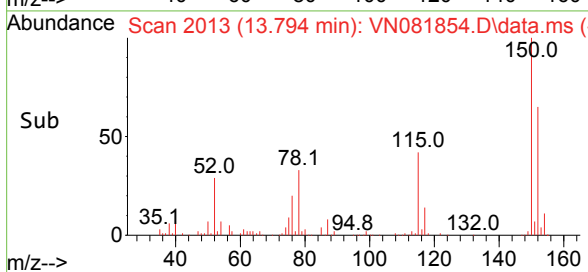
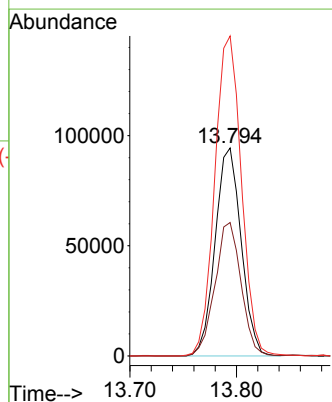
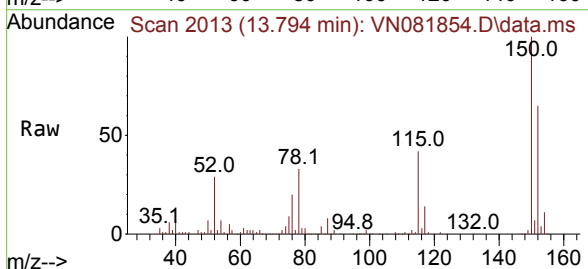
Instrument :
MSVOA_N
ClientSampleId :
41B

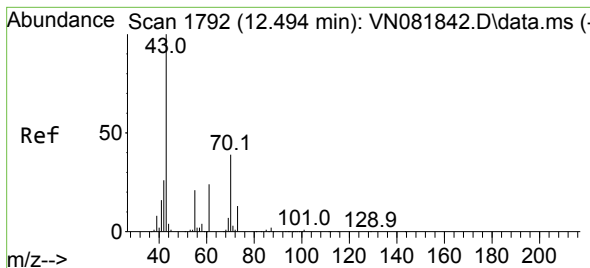
Tgt Ion:106 Resp: 1912
Ion Ratio Lower Upper
106 100
91 251.6 159.4 239.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

Tgt Ion:152 Resp: 159869
Ion Ratio Lower Upper
152 100
115 64.3 30.4 91.3
150 157.7 0.0 353.2





#74

N-amy1 acetate

Concen: 11.757 ug/l

RT: 12.418 min Scan# 1

Delta R.T. -0.076 min

Lab File: VN081854.D

Acq: 25 Apr 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :

41B

Tgt Ion: 43 Resp: 93042

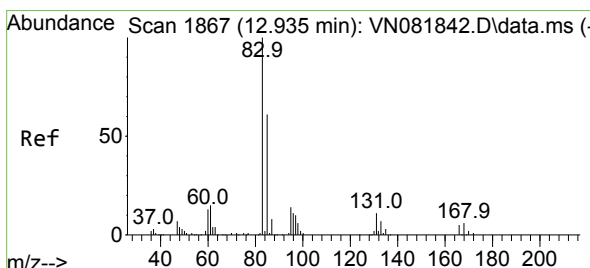
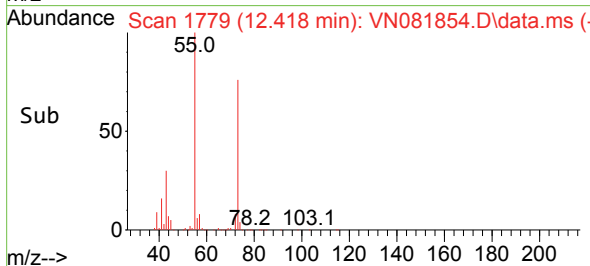
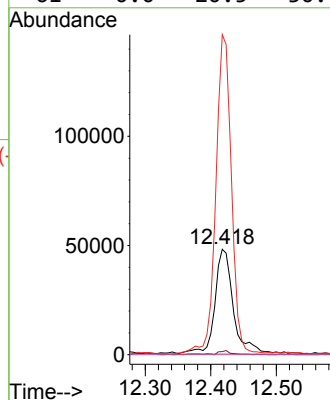
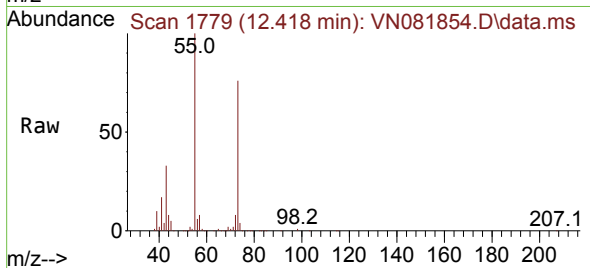
Ion Ratio Lower Upper

43 100

70 2.5 39.0 58.4#

55 261.4 21.3 31.9#

61 0.0 20.5 30.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.623 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.053 min

Lab File: VN081854.D

Acq: 25 Apr 2024 16:40

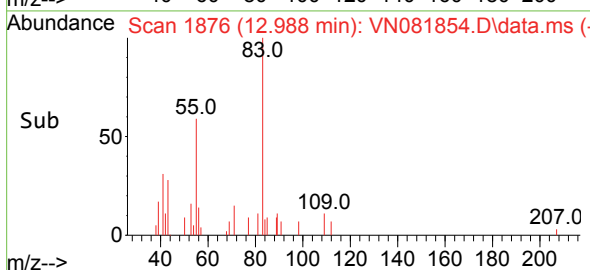
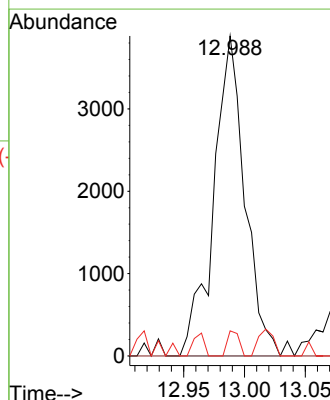
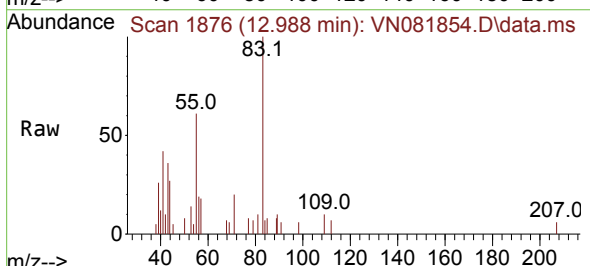
Tgt Ion: 83 Resp: 6926

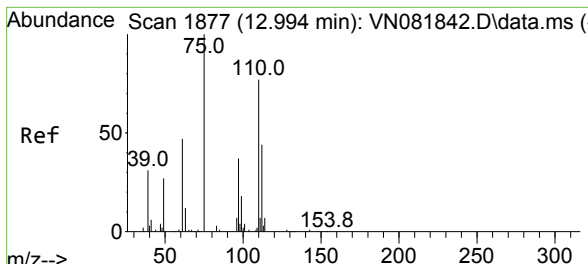
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 2.9 32.9 98.6#

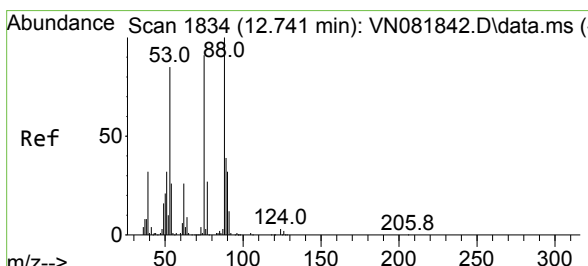
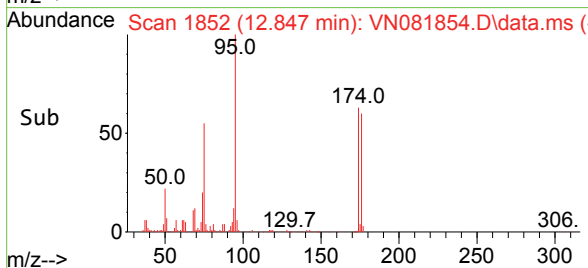
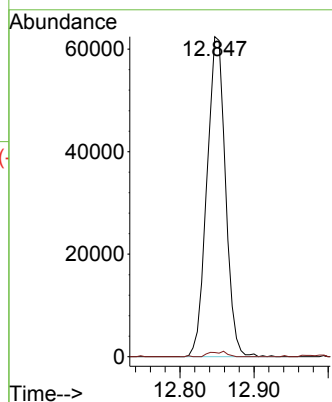
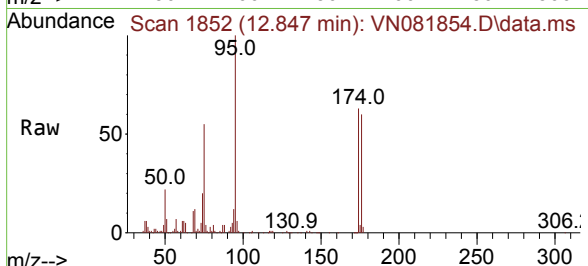




#76
1,2,3-Trichloropropane
Concen: 26.187 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

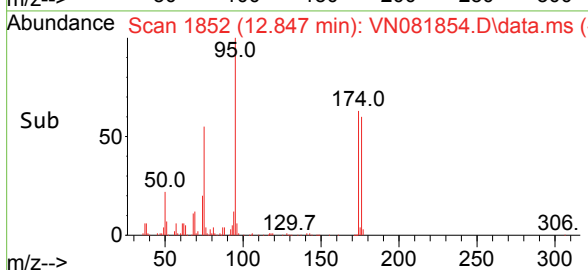
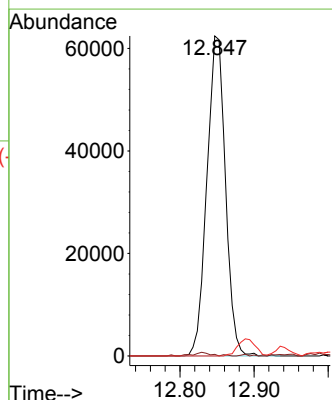
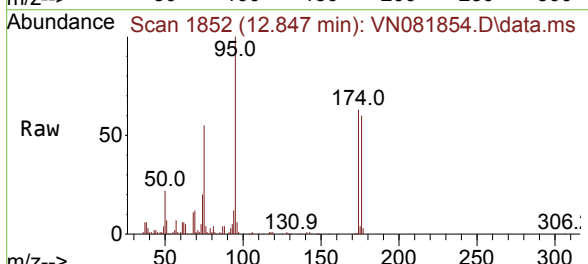
Instrument : MSVOA_N
ClientSampleId : 41B

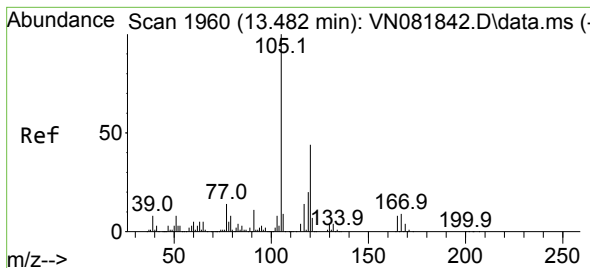
Tgt Ion: 75 Resp: 108546
Ion Ratio Lower Upper
75 100
77 1.5 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.660 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081854.D
Acq: 25 Apr 2024 16:40

Tgt Ion: 75 Resp: 108546
Ion Ratio Lower Upper
75 100
53 1.0 72.9 109.3#
89 0.0 39.1 58.7#





#84

1,2,4-Trimethylbenzene

Concen: 0.519 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VN081854.D

Acq: 25 Apr 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :

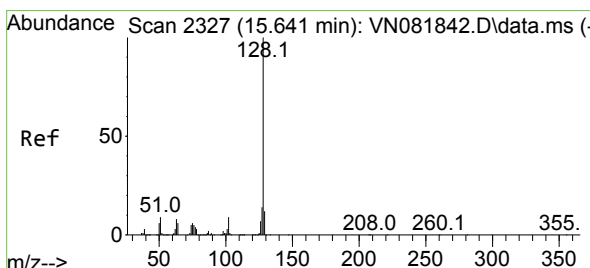
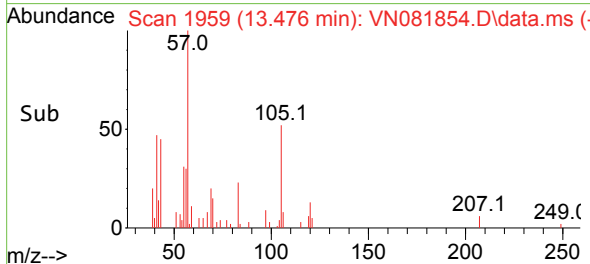
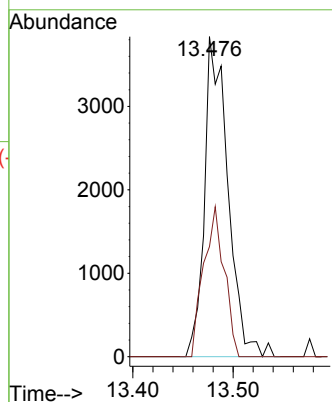
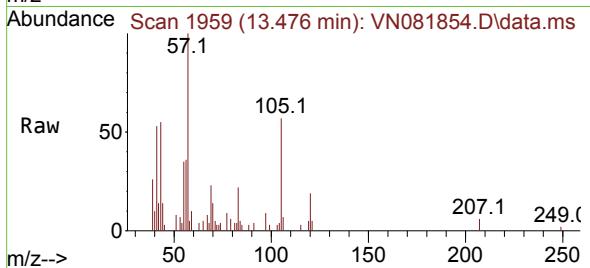
41B

Tgt Ion:105 Resp: 6236

Ion Ratio Lower Upper

105 100

120 41.2 22.9 68.7



#95

Naphthalene

Concen: 0.208 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN081854.D

Acq: 25 Apr 2024 16:40

Tgt Ion:128 Resp: 2337

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.9 13.3#

