

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081618.D
 Acq On : 29 Mar 2024 16:17
 Operator : JC\MD
 Sample : P1921-02 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-17

Quant Time: Mar 30 00:31:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

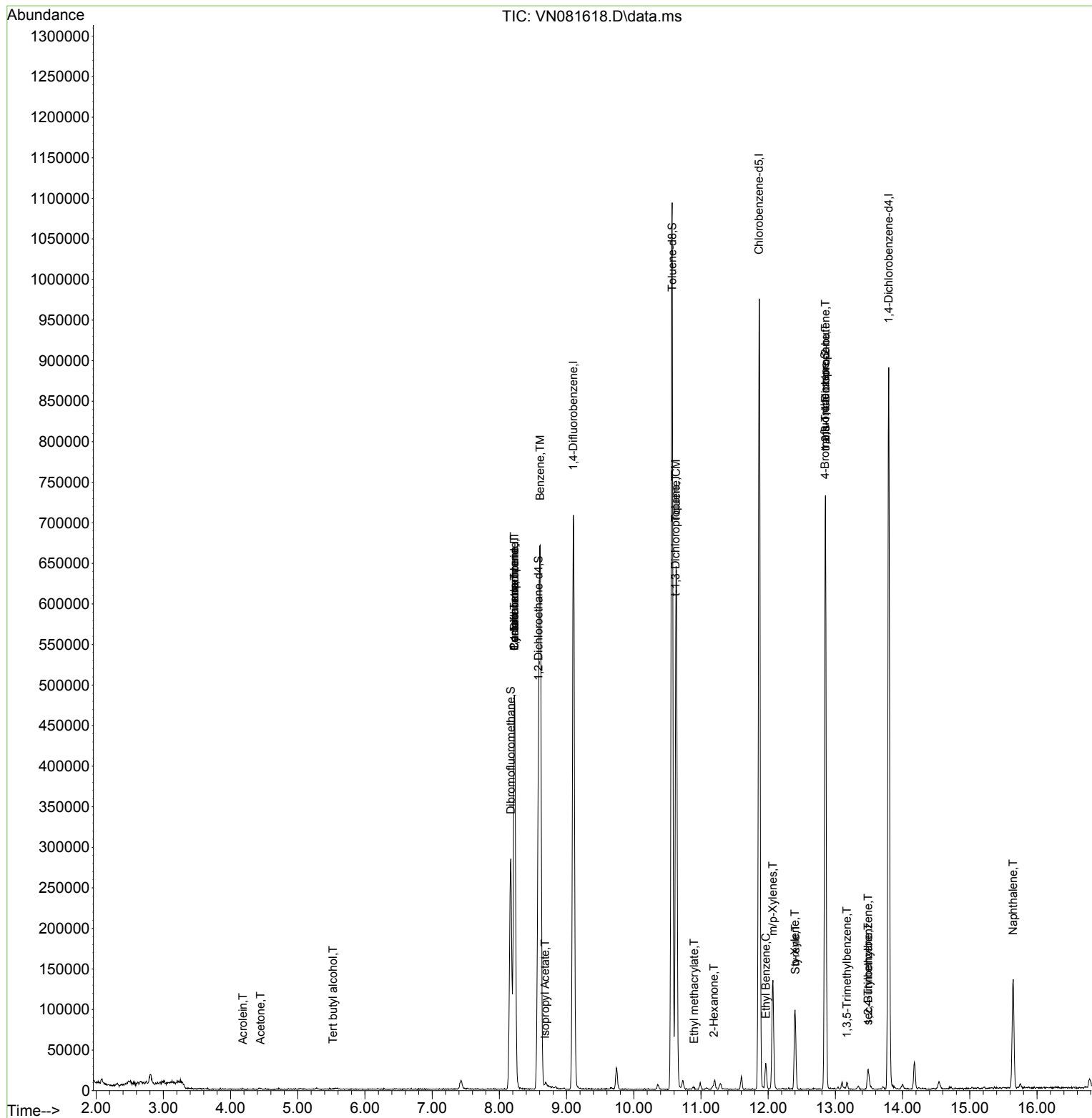
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	347102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	644162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	585749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	233074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	240727	54.383	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.760%	
35) Dibromofluoromethane	8.171	113	202445	49.798	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.600%	
50) Toluene-d8	10.570	98	763450	51.951	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.900%	
62) 4-Bromofluorobenzene	12.847	95	250756	48.426	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 96.860%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	281	0.364	ug/l #	72
13) Acrolein	4.183	56	280	0.405	ug/l #	77
16) Acetone	4.447	43	2770	1.936	ug/l #	44
31) Cyclohexane	8.224	56	8312	1.154	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	28929	4.229	ug/l #	50
38) Carbon Tetrachloride	8.224	117	38444	5.130	ug/l #	18
40) Benzene	8.606	78	662243	33.110	ug/l	96
43) Isopropyl Acetate	8.682	43	4664	0.480	ug/l #	84
52) Toluene	10.629	92	298937	23.515	ug/l	99
53) t-1,3-Dichloropropene	10.623	75	3962	0.510	ug/l #	1
56) Ethyl methacrylate	10.900	69	172	0.595	ug/l #	20
59) 2-Hexanone	11.194	43	1458	0.333	ug/l #	55
67) Ethyl Benzene	11.965	91	23725	0.986	ug/l	91
68) m/p-Xylenes	12.070	106	44757	4.963	ug/l	88
69) o-Xylene	12.400	106	26067	2.945	ug/l	94
70) Styrene	12.406	104	6119	0.429	ug/l #	35
76) 1,2,3-Trichloropropane	12.853	75	133786	23.996	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	3849	0.235	ug/l	79
81) trans-1,4-Dichloro-2-b...	12.853	75	133786	64.846	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.488	105	13738	0.833	ug/l	96
85) sec-Butylbenzene	13.488	105	13738	0.679	ug/l #	60
95) Naphthalene	15.647	128	125717	7.731	ug/l	97

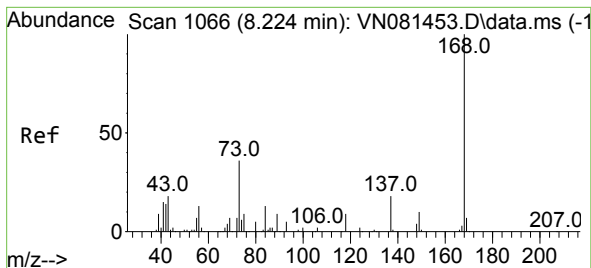
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081618.D

Acq: 29 Mar 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

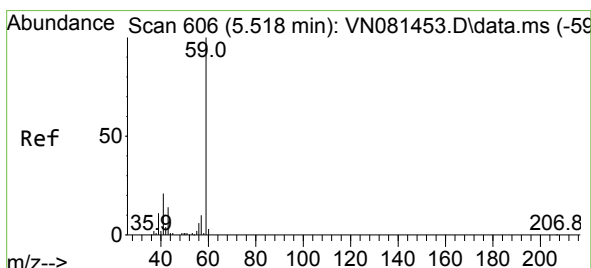
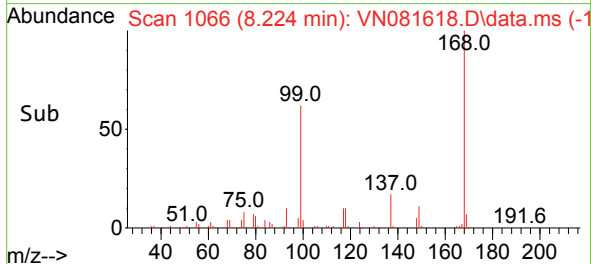
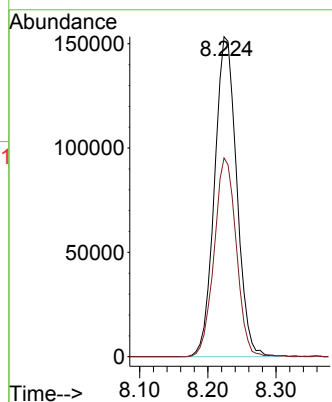
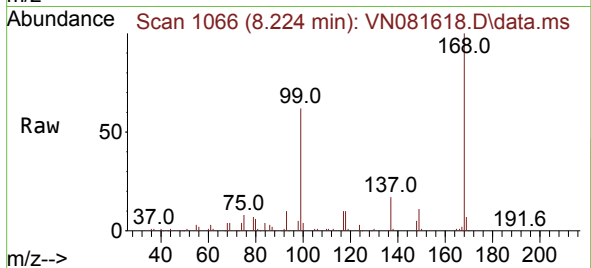
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Tgt Ion:168 Resp: 347102

Ion Ratio Lower Upper

168 100

99 62.1 59.9 89.9



#11

Tert butyl alcohol

Concen: 0.364 ug/l

RT: 5.524 min Scan# 607

Delta R.T. 0.006 min

Lab File: VN081618.D

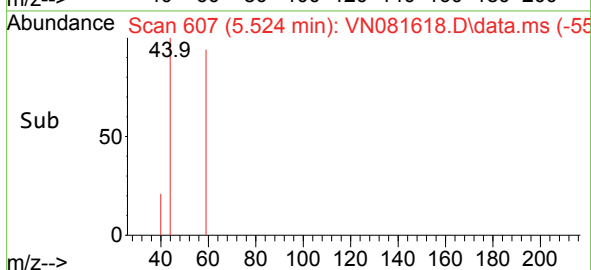
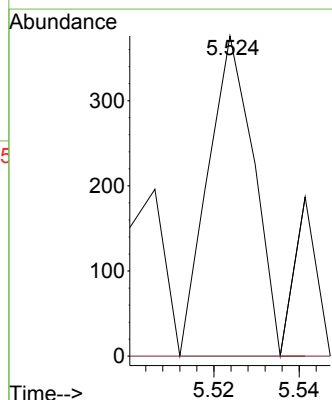
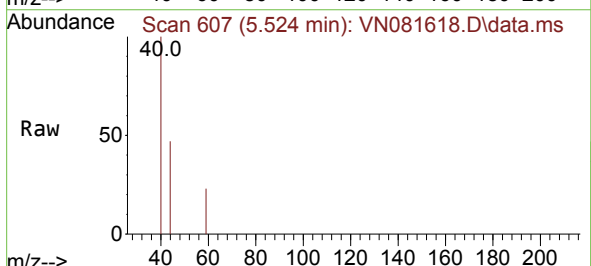
Acq: 29 Mar 2024 16:17

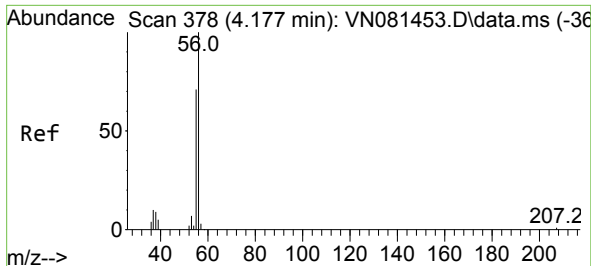
Tgt Ion: 59 Resp: 281

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

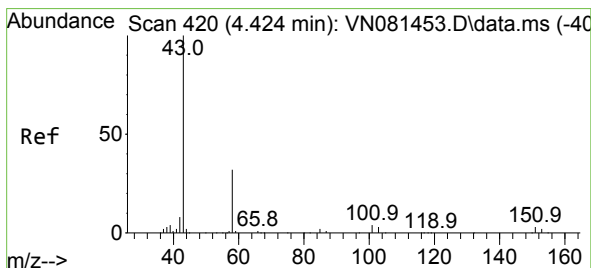
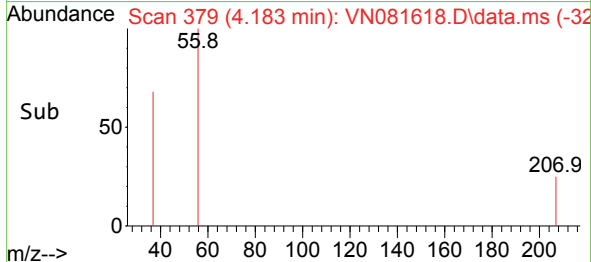
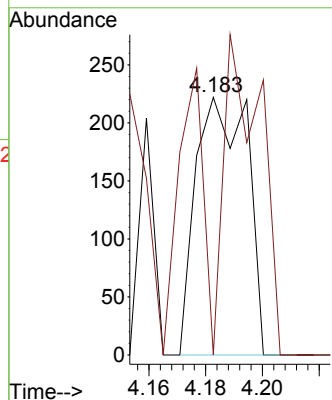
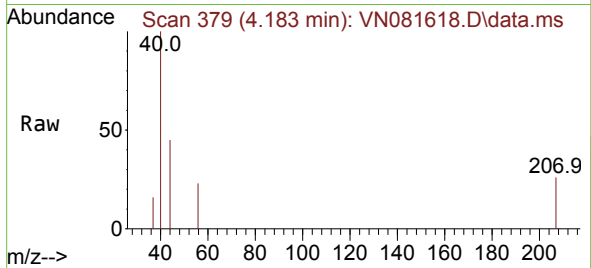




#13
Acrolein
Concen: 0.405 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

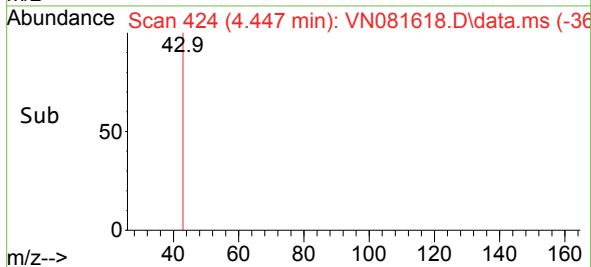
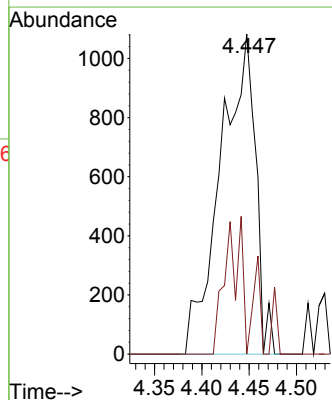
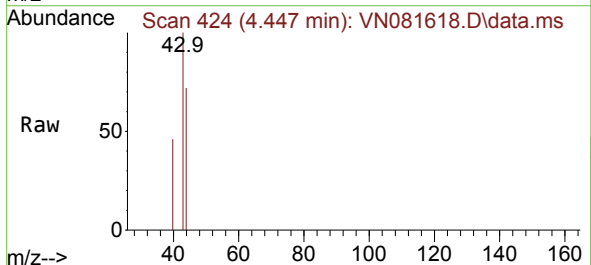
Instrument :
MSVOA_N
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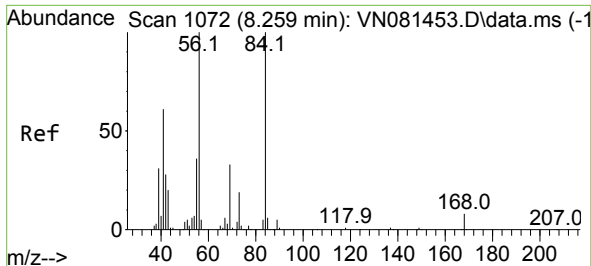
Tgt Ion: 56 Resp: 280
Ion Ratio Lower Upper
56 100
55 87.9 55.3 82.9#



#16
Acetone
Concen: 1.936 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.024 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

Tgt Ion: 43 Resp: 2770
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

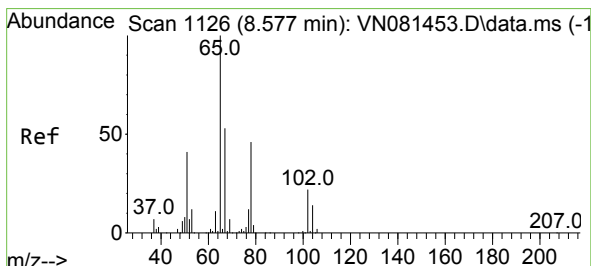
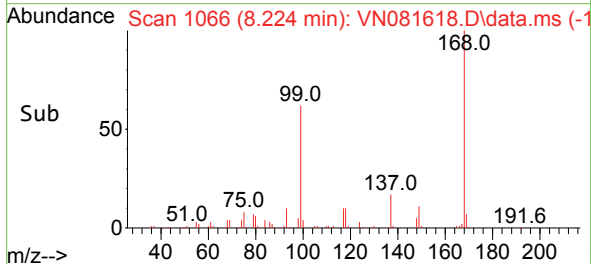
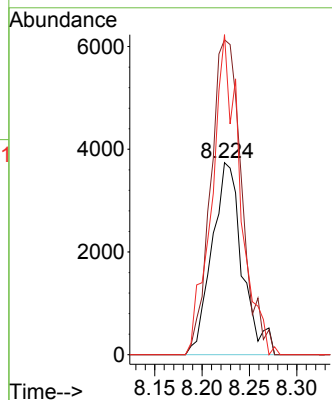
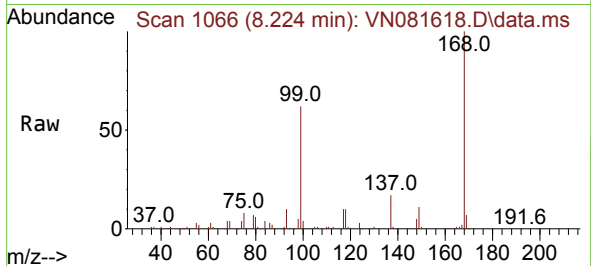




#31
Cyclohexane
Concen: 1.154 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

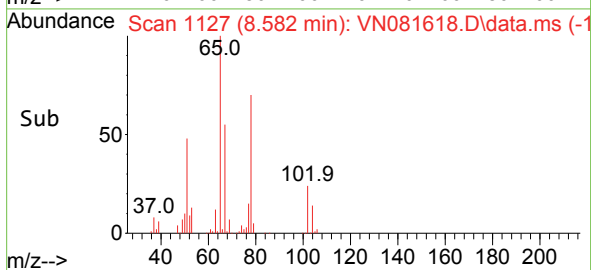
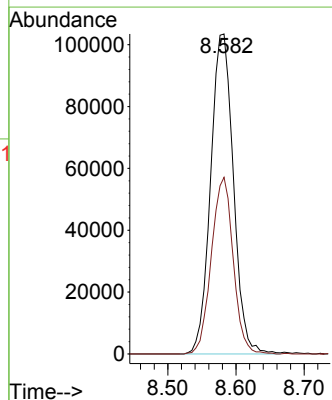
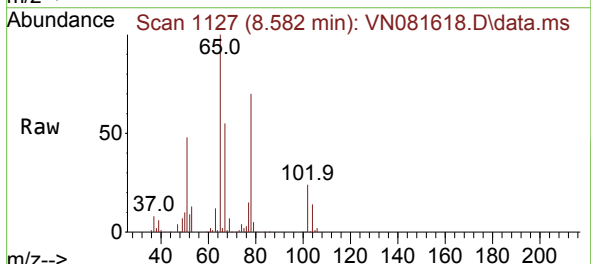
Instrument :
MSVOA_N
ClientSampleId :
S-17

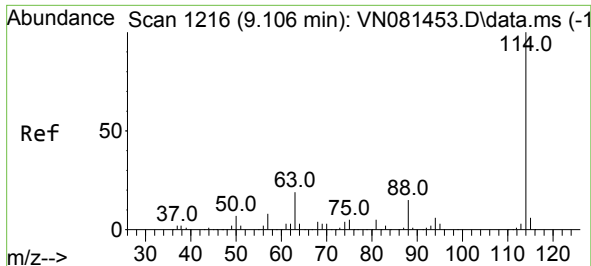
Tgt Ion: 56 Resp: 8312
Ion Ratio Lower Upper
56 100
69 164.0 20.1 30.1#
84 166.7 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 54.383 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

Tgt Ion: 65 Resp: 240727
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081618.D

Acq: 29 Mar 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

S-17

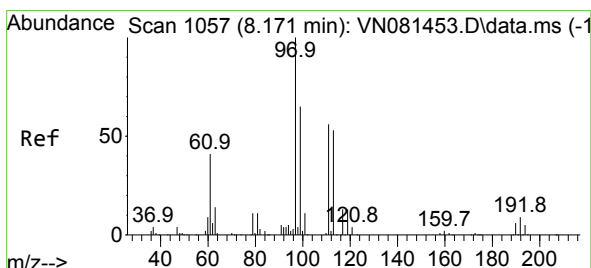
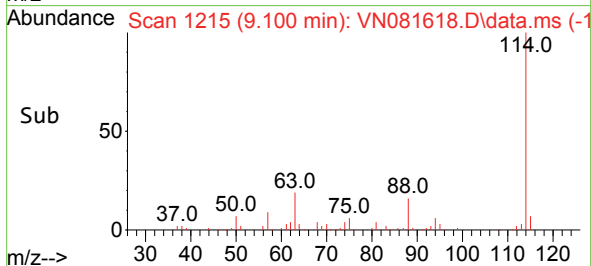
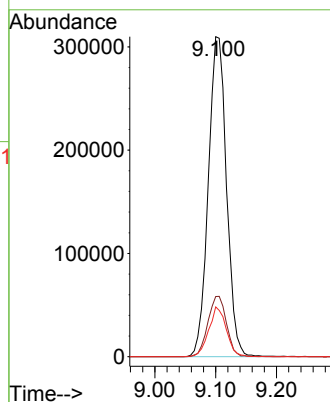
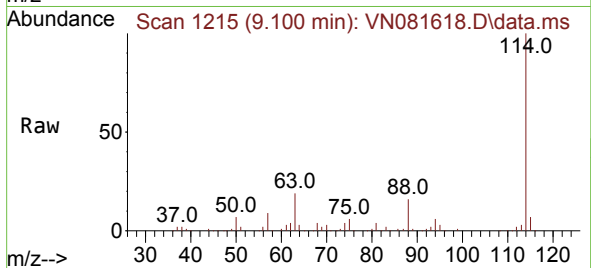
Tgt Ion:114 Resp: 644162

Ion Ratio Lower Upper

114 100

63 18.8 0.0 48.0

88 15.5 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.798 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN081618.D

Acq: 29 Mar 2024 16:17

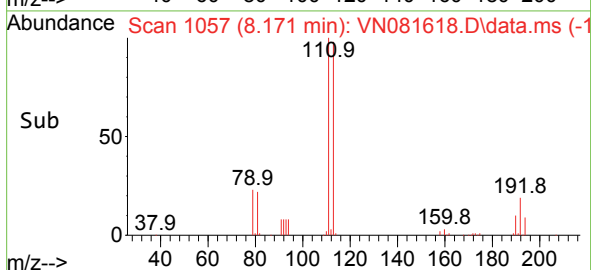
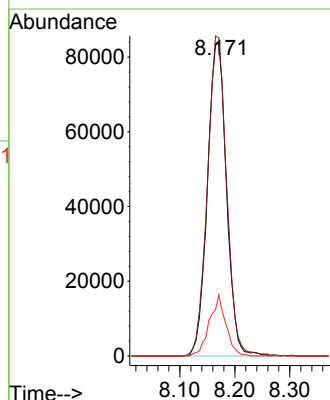
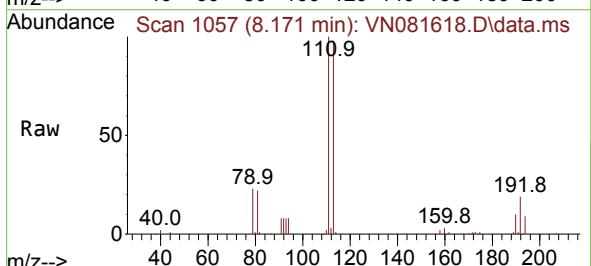
Tgt Ion:113 Resp: 202445

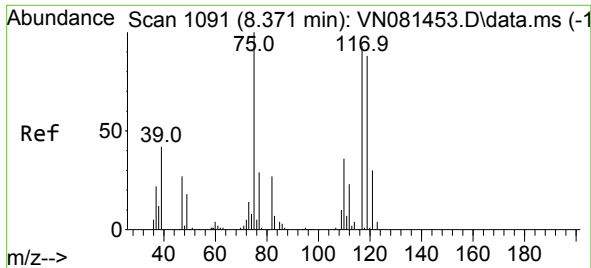
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 16.8 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.229 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081618.D

Acq: 29 Mar 2024 16:17

Instrument :

MSVOA_N

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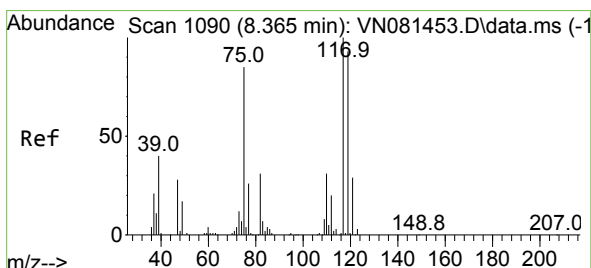
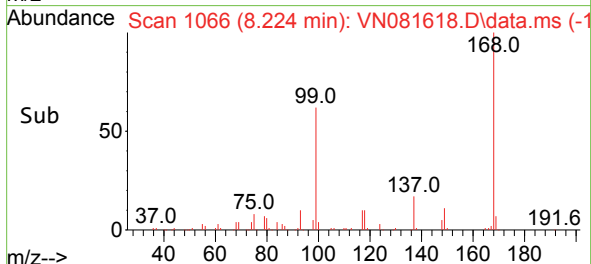
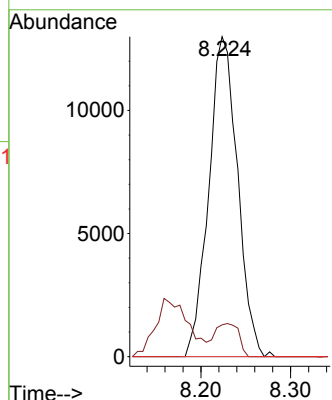
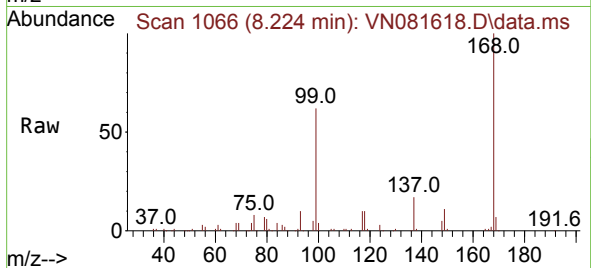
Tgt Ion: 75 Resp: 28929

Ion Ratio Lower Upper

75 100

110 8.8 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 5.130 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081618.D

Acq: 29 Mar 2024 16:17

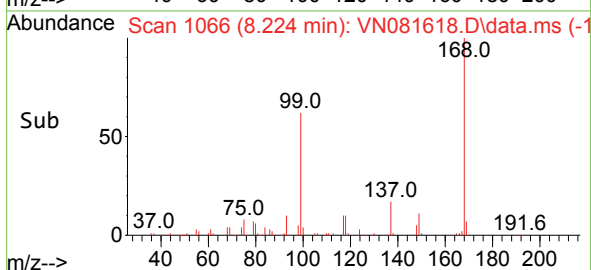
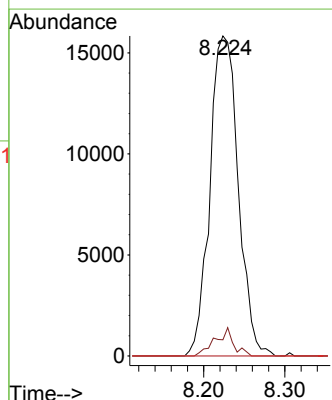
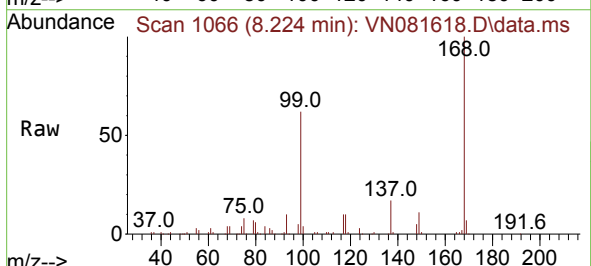
Tgt Ion: 117 Resp: 38444

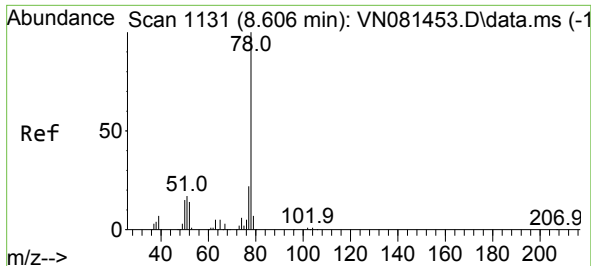
Ion Ratio Lower Upper

117 100

119 5.1 73.4 110.2#

121 0.0 24.4 36.6#

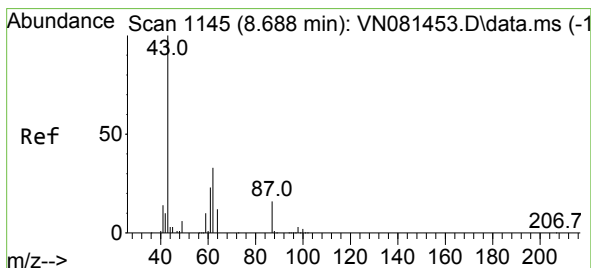
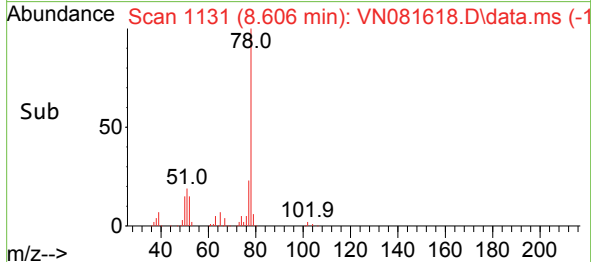
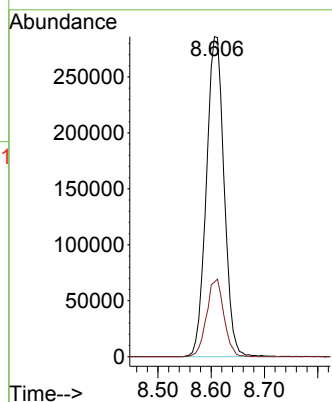
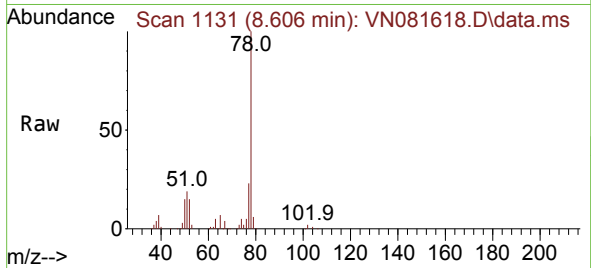




#40
Benzene
Concen: 33.110 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

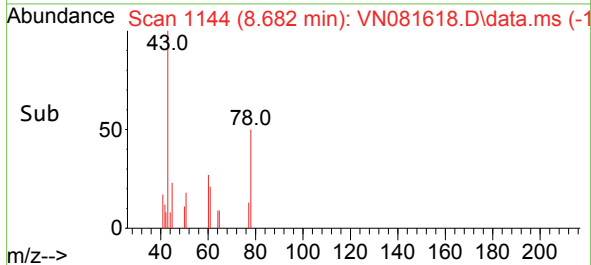
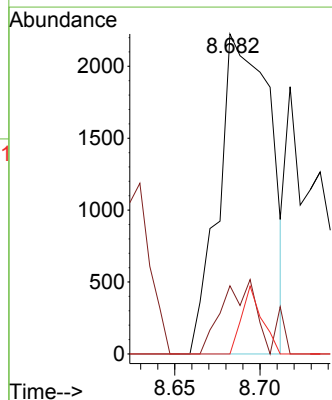
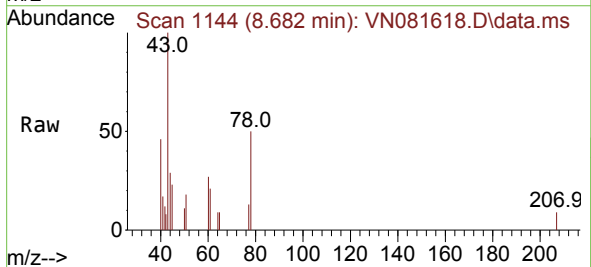
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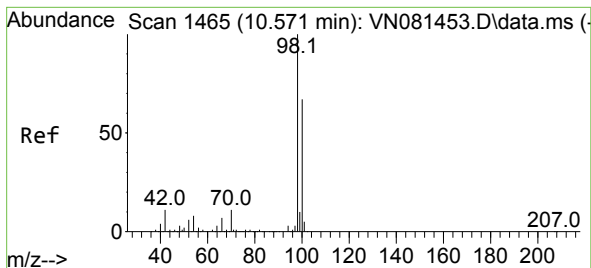
Tgt Ion: 78 Resp: 662243
Ion Ratio Lower Upper
78 100
77 23.3 20.4 30.6



#43
Isopropyl Acetate
Concen: 0.480 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

Tgt Ion: 43 Resp: 4664
Ion Ratio Lower Upper
43 100
61 15.1 19.9 29.9#
87 8.4 9.0 13.6#

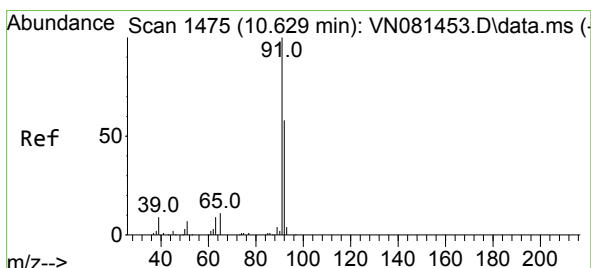
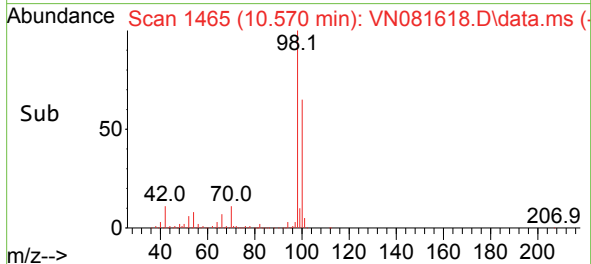
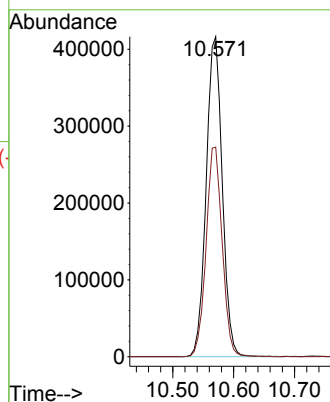
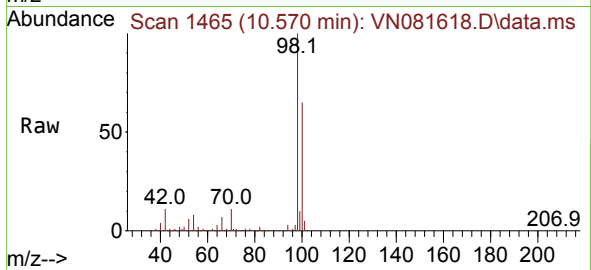




#50
Toluene-d8
Concen: 51.951 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

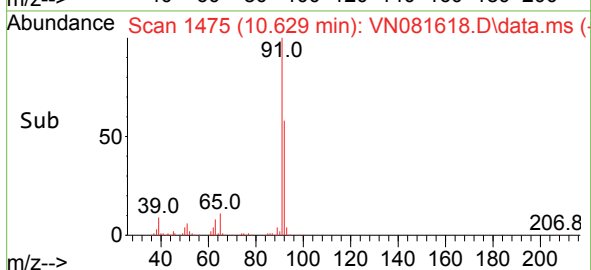
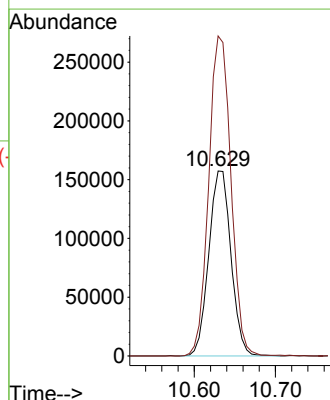
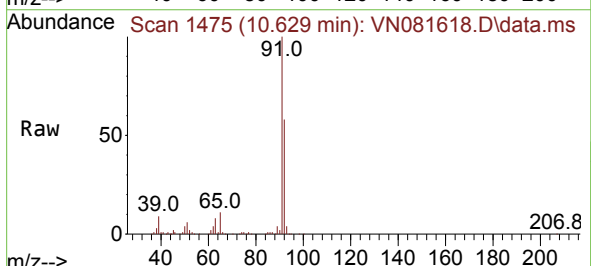
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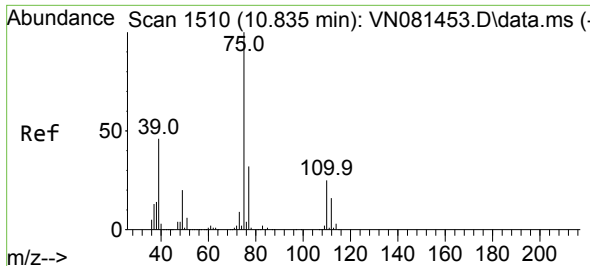
Tgt Ion: 98 Resp: 763450
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.0



#52
Toluene
Concen: 23.515 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

Tgt Ion: 92 Resp: 298937
Ion Ratio Lower Upper
92 100
91 173.0 139.4 209.0

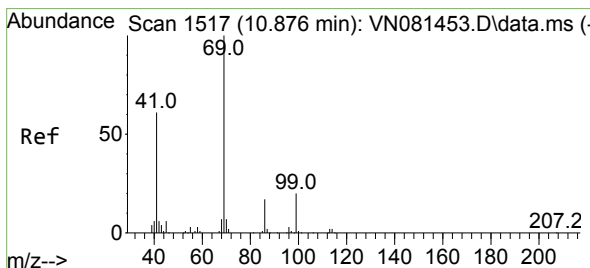
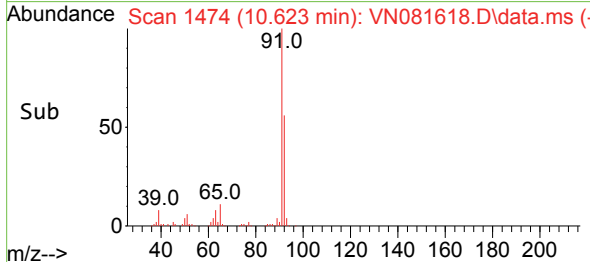
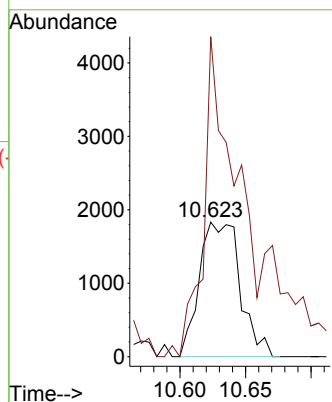
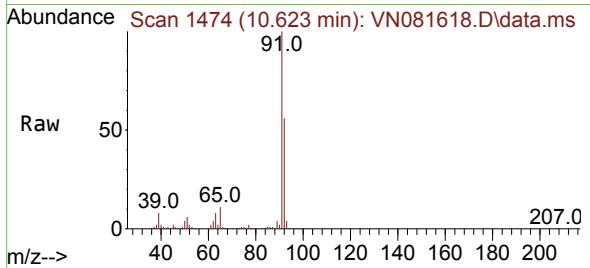




#53
t-1,3-Dichloropropene
Concen: 0.510 ug/l
RT: 10.623 min Scan# 14
Delta R.T. -0.212 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

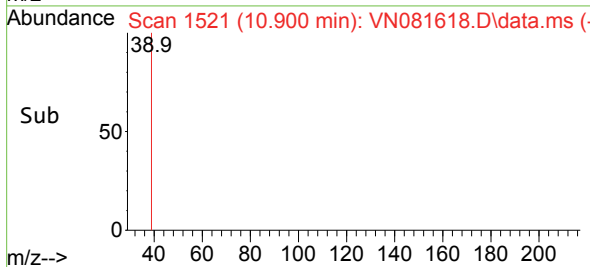
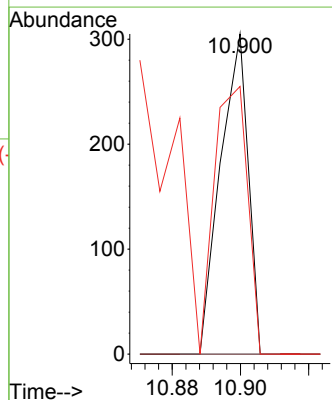
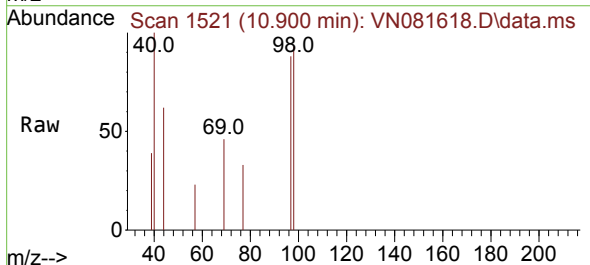
Instrument :
MSVOA_N
ClientSampleId :
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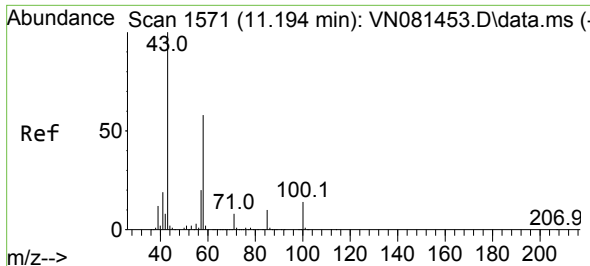
Tgt Ion: 75 Resp: 3962
Ion Ratio Lower Upper
75 100
77 237.9 25.5 38.3#



#56
Ethyl methacrylate
Concen: 0.595 ug/l
RT: 10.900 min Scan# 1521
Delta R.T. 0.024 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

Tgt Ion: 69 Resp: 172
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#

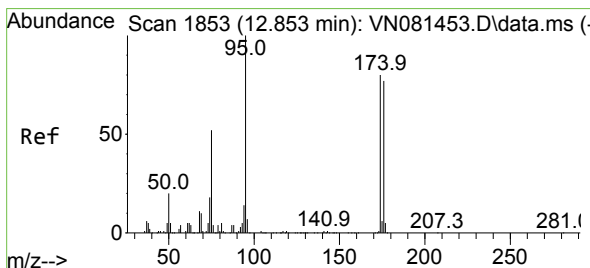
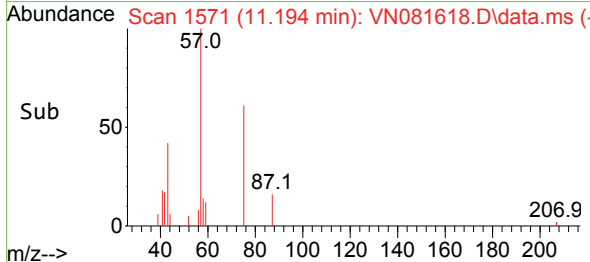
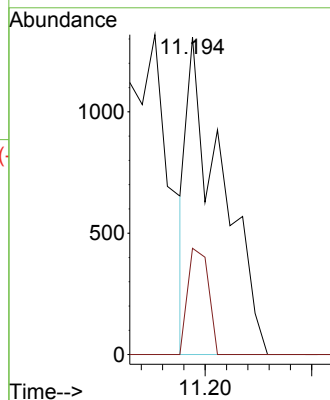
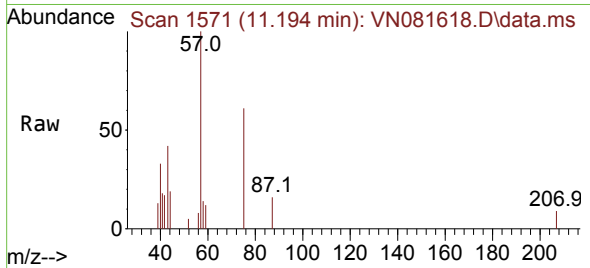




#59
2-Hexanone
Concen: 0.333 ug/l
RT: 11.194 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

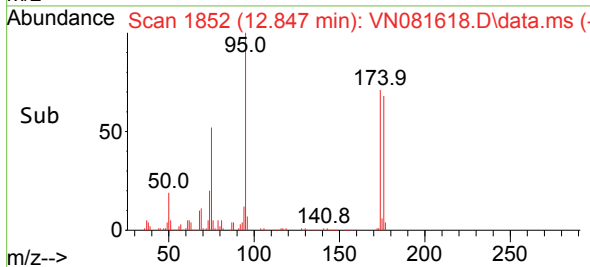
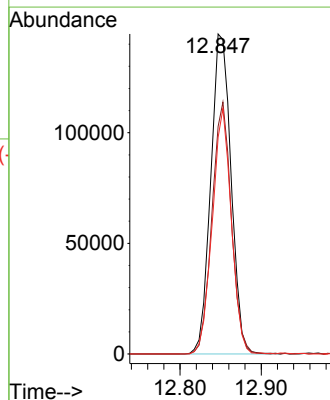
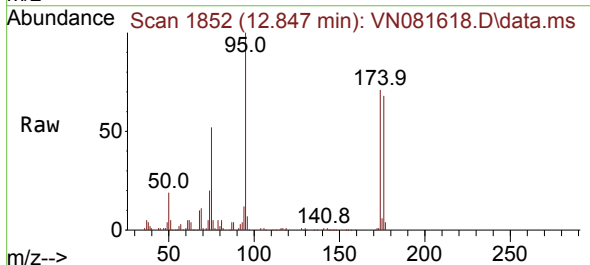
Instrument :
MSVOA_N
ClientSampleId :
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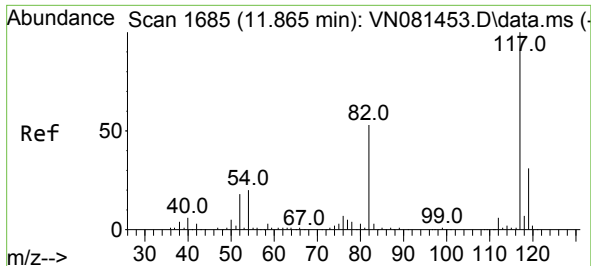
Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
58 20.3 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 48.426 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

Tgt Ion: 95 Resp: 250756
Ion Ratio Lower Upper
95 100
174 75.4 0.0 120.4
176 72.1 0.0 121.0

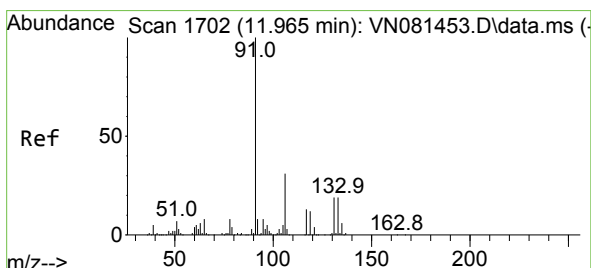
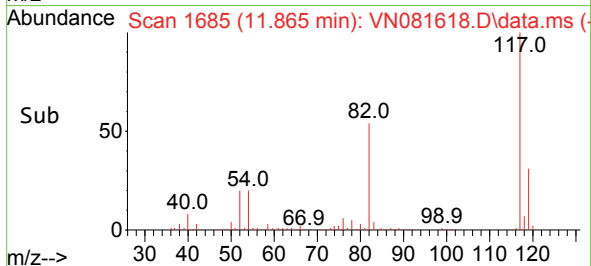
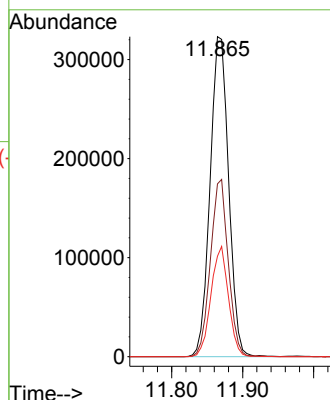
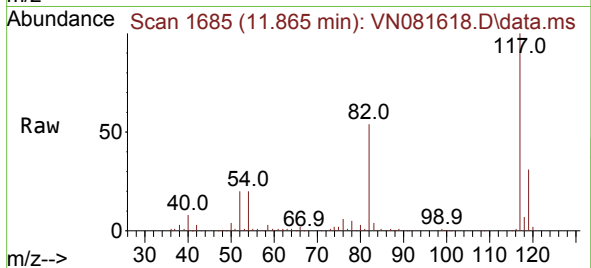




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

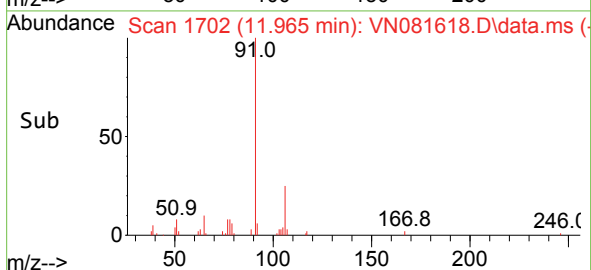
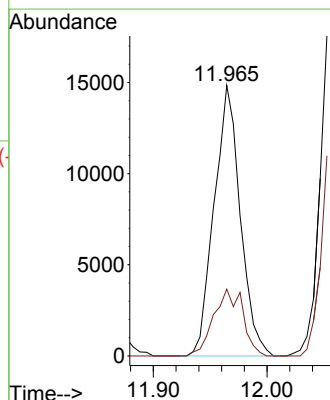
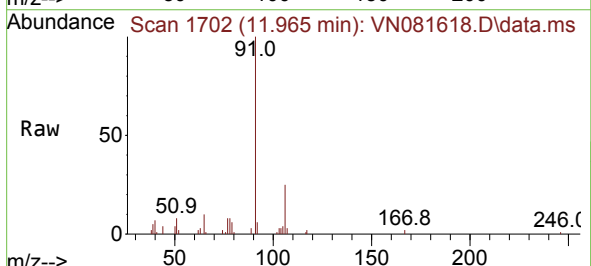
Instrument :
MSVOA_N
ClientSampleId :
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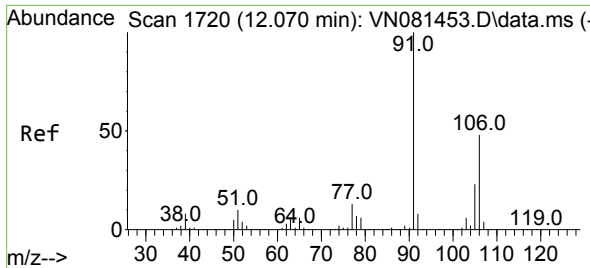
Tgt Ion:117 Resp: 585749
Ion Ratio Lower Upper
117 100
82 54.0 52.7 79.1
119 31.4 25.3 37.9



#67
Ethyl Benzene
Concen: 0.986 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

Tgt Ion: 91 Resp: 23725
Ion Ratio Lower Upper
91 100
106 24.7 23.8 35.6

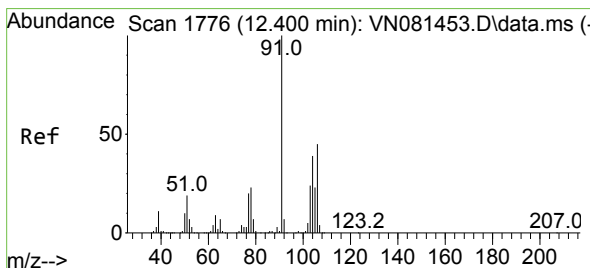
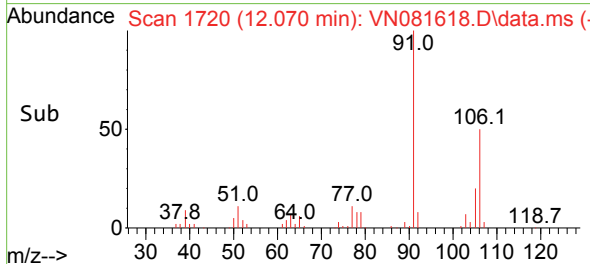
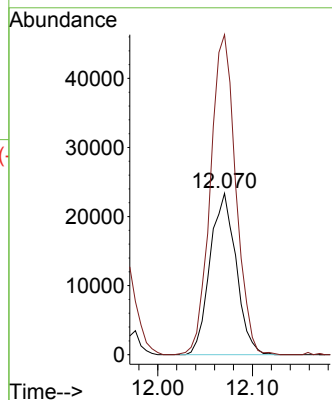
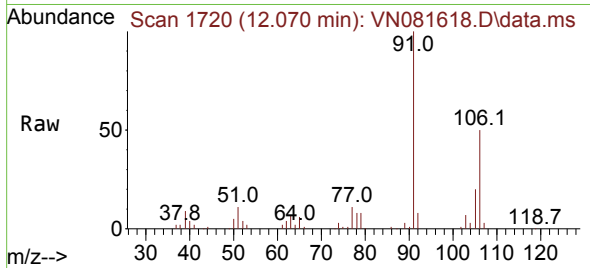




#68
m/p-Xylenes
Concen: 4.963 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

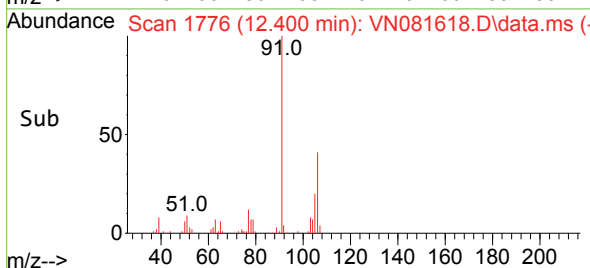
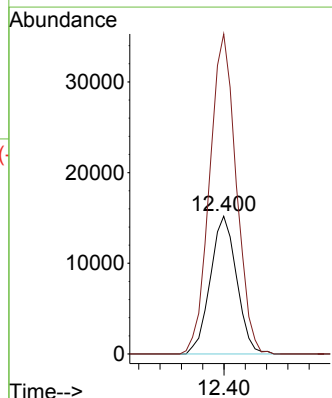
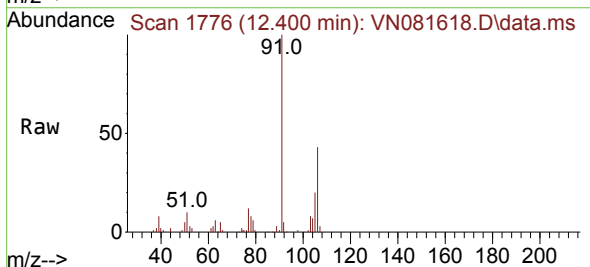
Instrument :
MSVOA_N
ClientSampleId :
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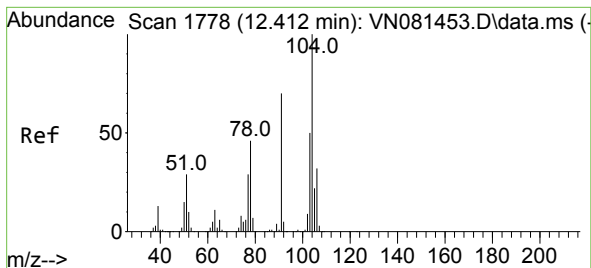
Tgt Ion:106 Resp: 44757
Ion Ratio Lower Upper
106 100
91 192.7 169.0 253.6



#69
o-Xylene
Concen: 2.945 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

Tgt Ion:106 Resp: 26067
Ion Ratio Lower Upper
106 100
91 234.5 112.1 336.3





#70

Styrene

Concen: 0.429 ug/l

RT: 12.406 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081618.D

Acq: 29 Mar 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

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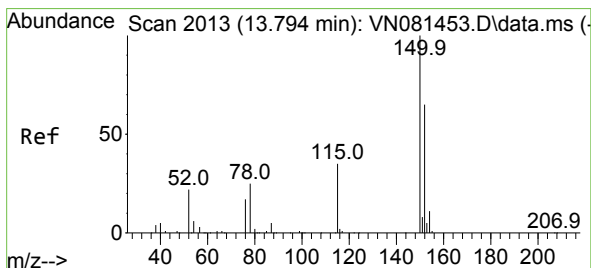
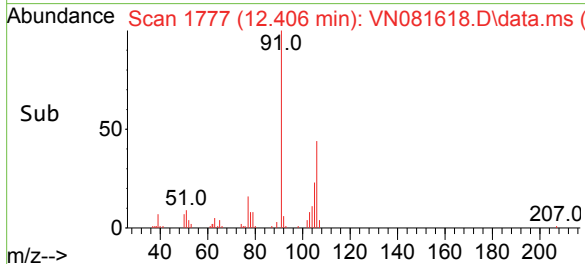
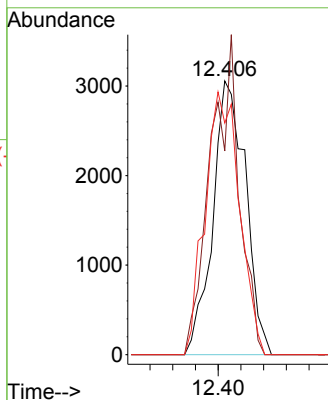
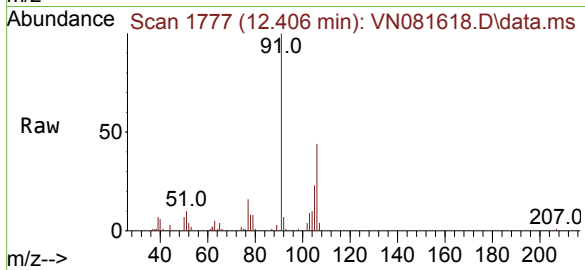
Tgt Ion:104 Resp: 6119

Ion Ratio Lower Upper

104 100

78 102.6 43.8 65.8#

103 100.8 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081618.D

Acq: 29 Mar 2024 16:17

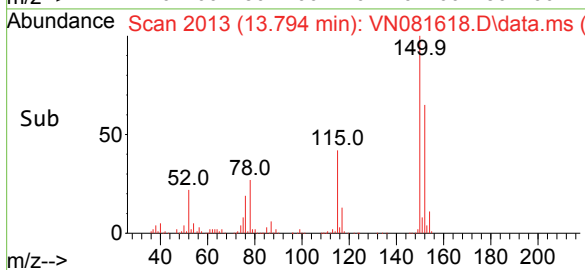
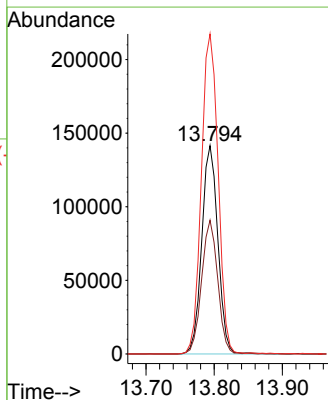
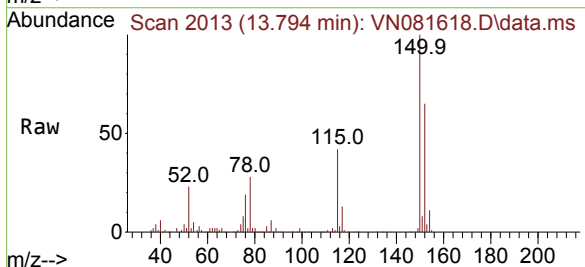
Tgt Ion:152 Resp: 233074

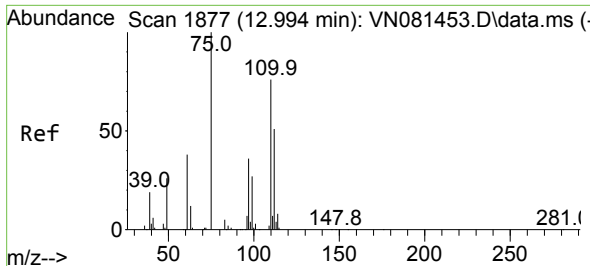
Ion Ratio Lower Upper

152 100

115 64.1 32.3 96.8

150 159.2 0.0 339.8

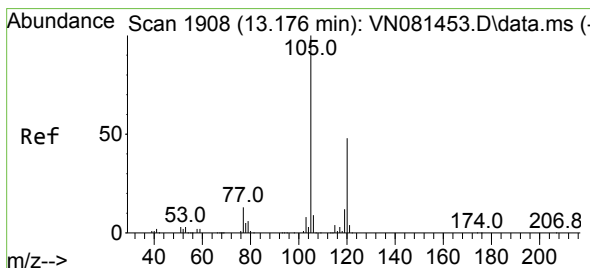
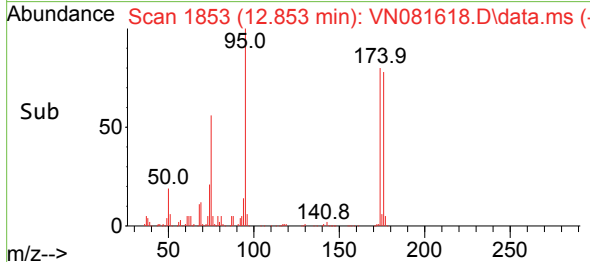
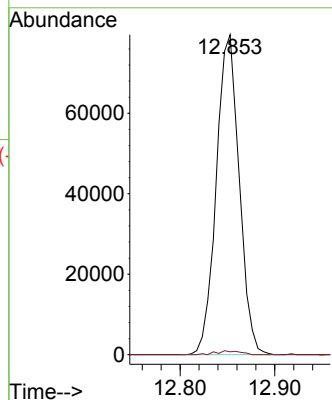
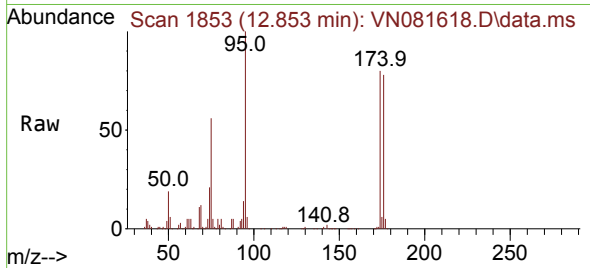




#76
1,2,3-Trichloropropane
Concen: 23.996 ug/l
RT: 12.853 min Scan# 1877
Delta R.T. -0.141 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

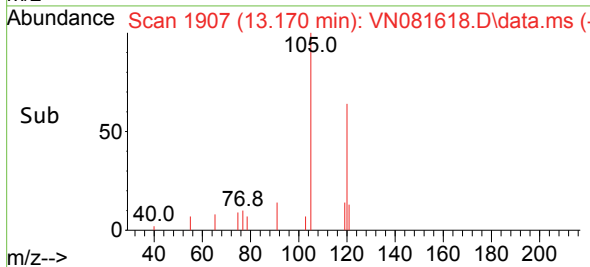
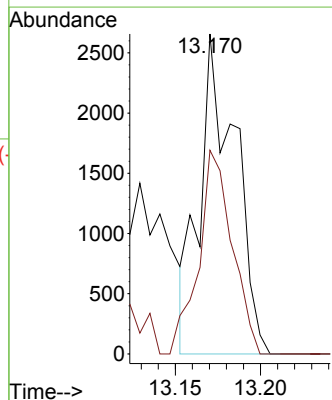
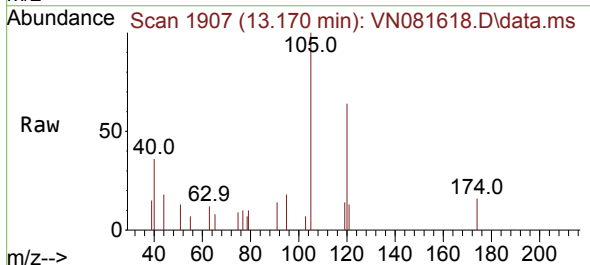
Instrument :
MSVOA_N
ClientSampleId :
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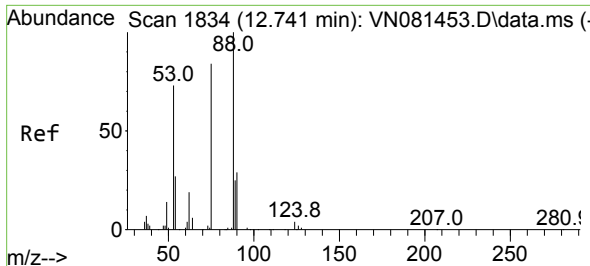
Tgt Ion: 75 Resp: 133786
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.235 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

Tgt Ion: 105 Resp: 3849
Ion Ratio Lower Upper
105 100
120 60.0 23.0 69.0

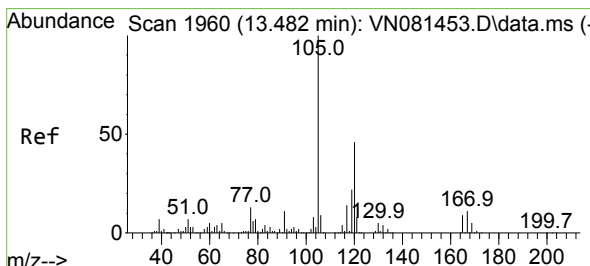
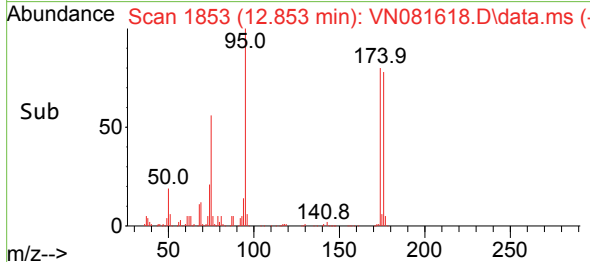
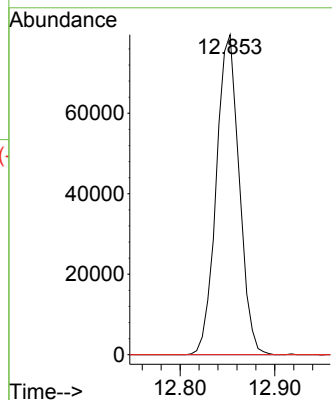
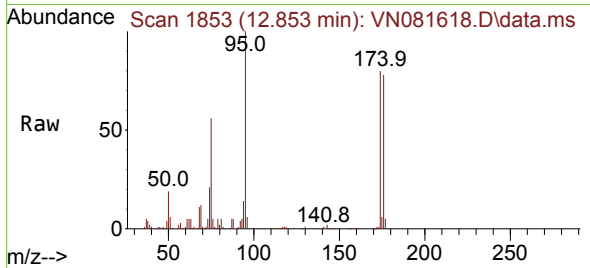




#81
trans-1,4-Dichloro-2-butene
Concen: 64.846 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

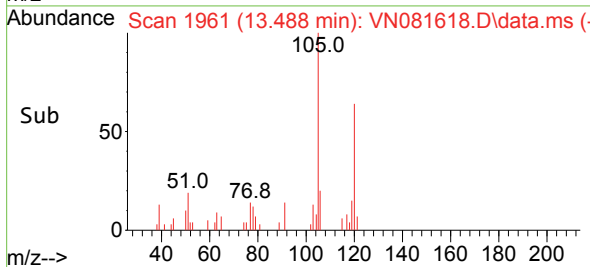
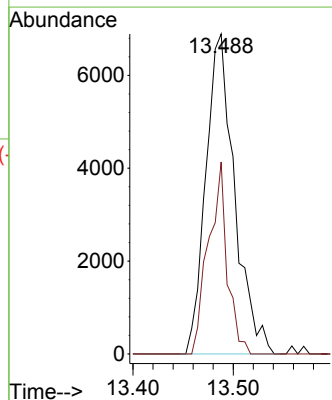
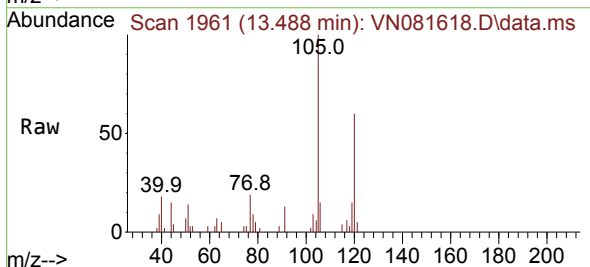
Instrument :
MSVOA_N
ClientSampleId :
S-17

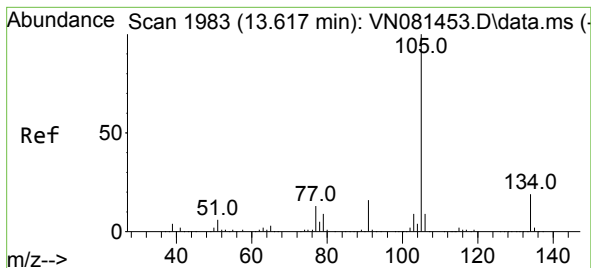
Tgt Ion: 75 Resp: 133786
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.833 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN081618.D
Acq: 29 Mar 2024 16:17

Tgt Ion: 105 Resp: 13738
Ion Ratio Lower Upper
105 100
120 39.3 20.9 62.7





#85

sec-Butylbenzene

Concen: 0.679 ug/l

RT: 13.488 min Scan# 1983

Delta R.T. -0.129 min

Lab File: VN081618.D

Acq: 29 Mar 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

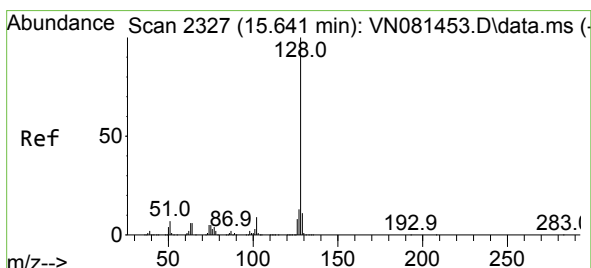
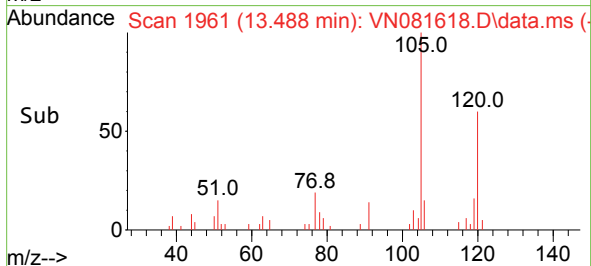
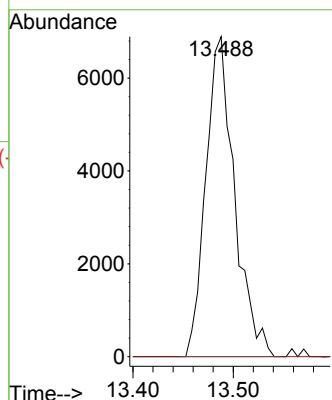
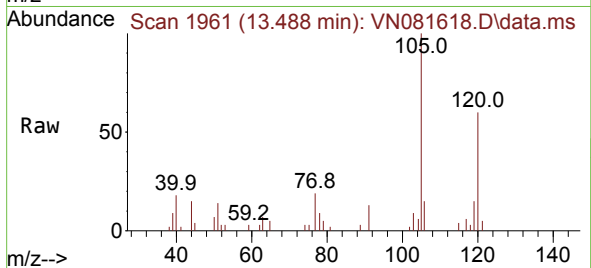
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Tgt Ion:105 Resp: 13738

Ion Ratio Lower Upper

105 100

134 0.0 8.6 25.8#



#95

Naphthalene

Concen: 7.731 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN081618.D

Acq: 29 Mar 2024 16:17

Tgt Ion:128 Resp: 125717

Ion Ratio Lower Upper

128 100

127 14.1 10.0 15.0

129 11.9 8.7 13.1

