

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013470.D
 Acq On : 26 Apr 2023 13:56
 Operator : KP/MD
 Sample : 02401-01
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230200-2-2

Quant Time: Apr 27 01:32:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

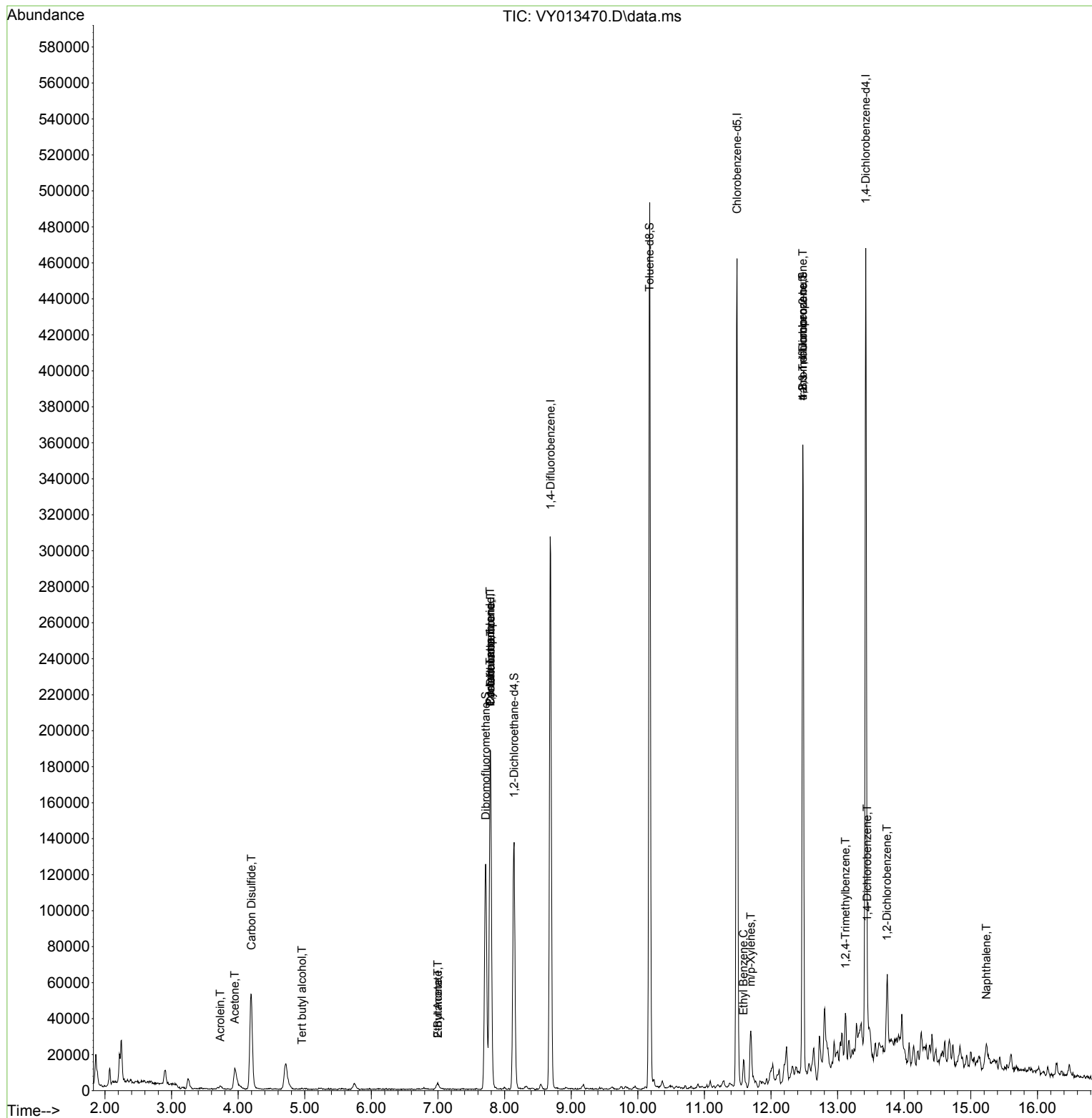
Internal Standards						
1) Pentafluorobenzene	7.789	168	137915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	242206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	226324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	104581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106174	70.228	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.460%			
35) Dibromofluoromethane	7.716	113	86346	56.681	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.360%			
50) Toluene-d8	10.179	98	298783	55.134	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.260%			
62) 4-Bromofluorobenzene	12.477	95	101815	55.729	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.460%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	321	2.530	ug/l #	89
13) Acrolein	3.729	56	1796	4.916	ug/l #	57
16) Acetone	3.948	43	24733	41.541	ug/l	98
17) Carbon Disulfide	4.198	76	107130	23.009	ug/l	98
20) Methylene Chloride	4.722	84	9730	Below Cal	#	84
25) 2-Butanone	6.996	43	5176	6.855	ug/l	90
31) Cyclohexane	7.789	56	4433	1.638	ug/l #	60
36) 1,1-Dichloropropene	7.789	75	12177	4.816	ug/l #	48
37) Ethyl Acetate	6.996	43	5176	2.721	ug/l #	69
38) Carbon Tetrachloride	7.783	117	13817	5.214	ug/l #	16
67) Ethyl Benzene	11.587	91	10007	1.156	ug/l #	87
68) m/p-Xylenes	11.697	106	8055	2.447	ug/l	100
76) 1,2,3-Trichloropropane	12.477	75	55634	39.446	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	55634	80.688	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	13971	2.226	ug/l	97
88) 1,4-Dichlorobenzene	13.447	146	5281	1.432	ug/l #	60
91) 1,2-Dichlorobenzene	13.739	146	5740	1.741	ug/l	89
95) Naphthalene	15.233	128	8970	2.103	ug/l #	95

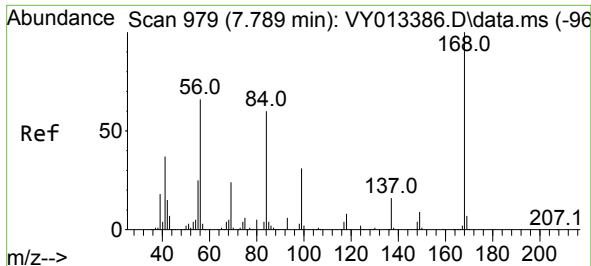
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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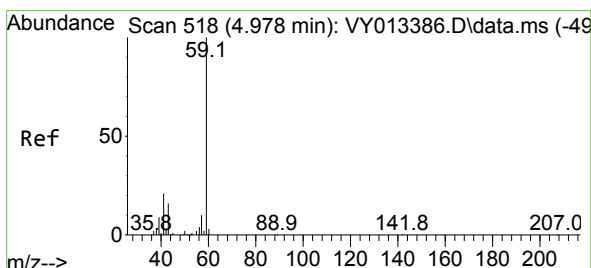
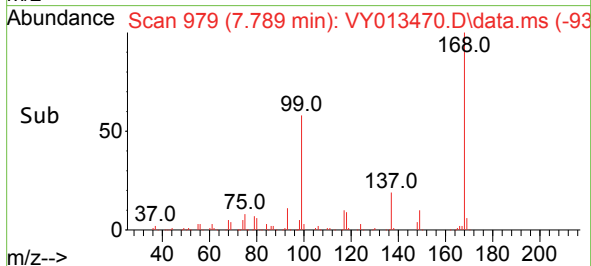
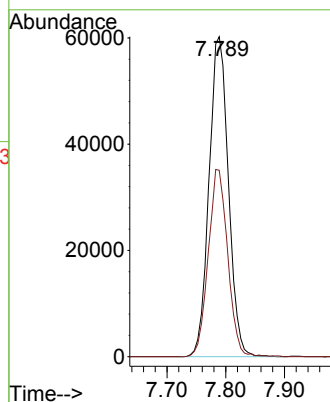
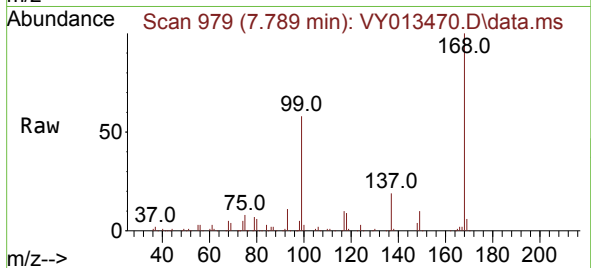




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

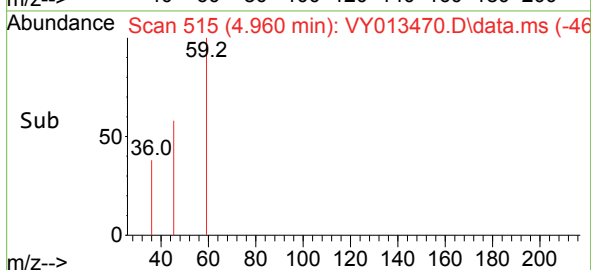
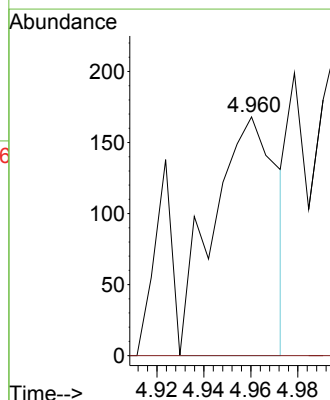
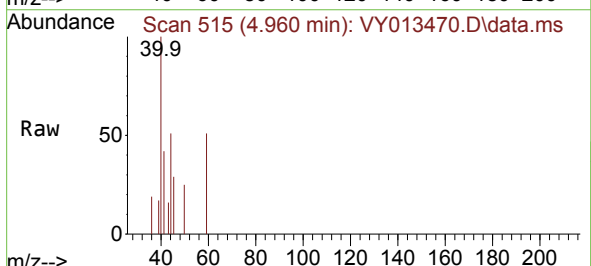
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ClientSampleId :
20230200-2-2

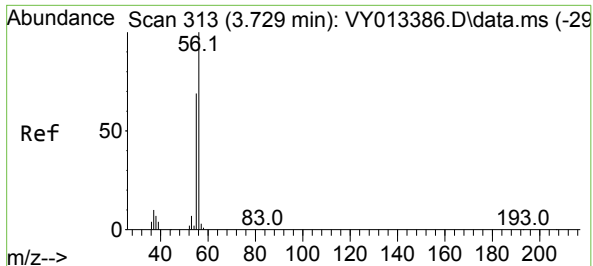
Tgt Ion:168 Resp: 137915
Ion Ratio Lower Upper
168 100
99 58.3 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.530 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion: 59 Resp: 321
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

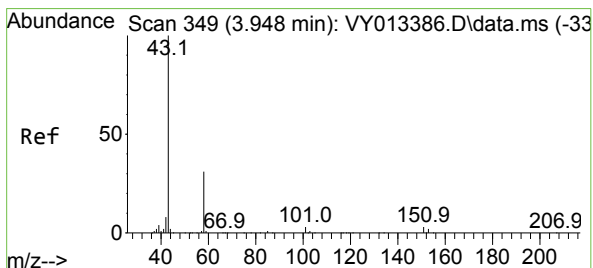
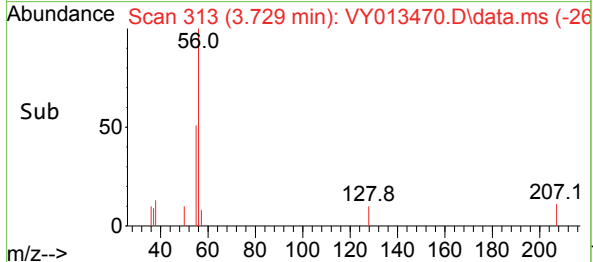
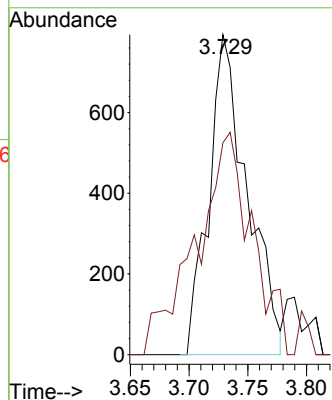
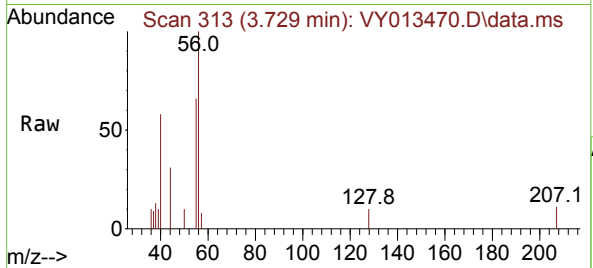




#13
Acrolein
Concen: 4.916 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

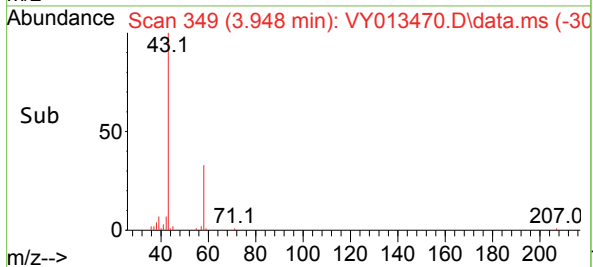
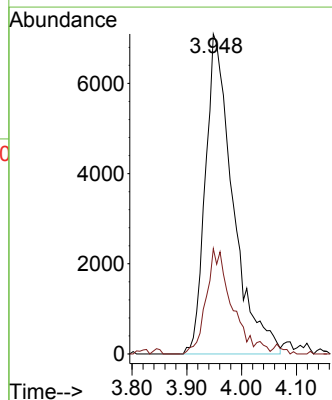
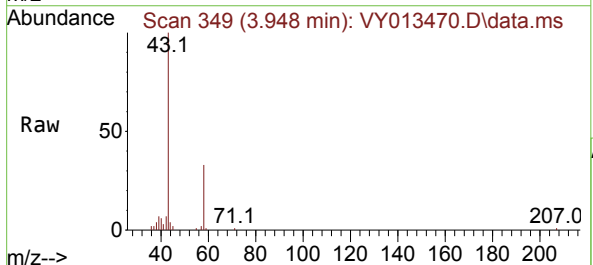
Instrument :
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ClientSampleId :
20230200-2-2

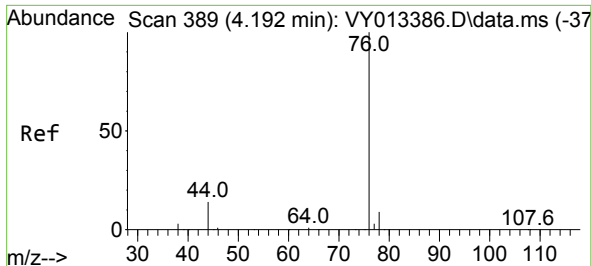
Tgt Ion: 56 Resp: 1796
Ion Ratio Lower Upper
56 100
55 102.2 54.1 81.1#



#16
Acetone
Concen: 41.541 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion: 43 Resp: 24733
Ion Ratio Lower Upper
43 100
58 32.9 25.4 38.0

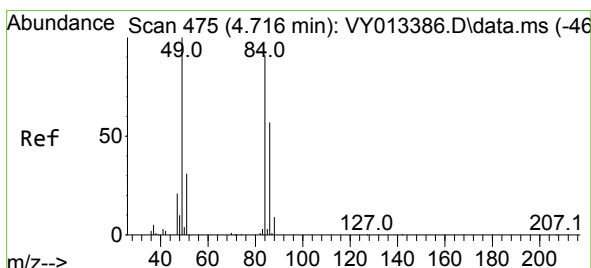
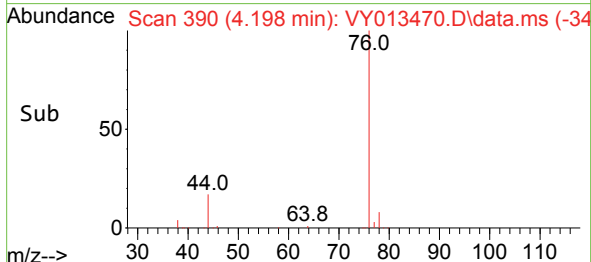
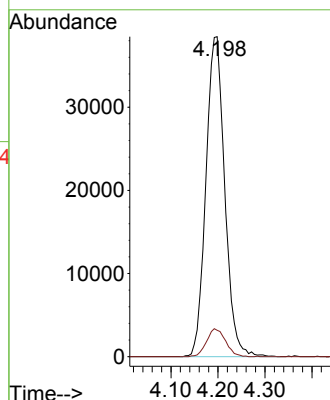
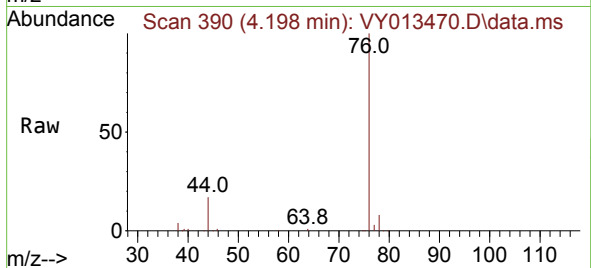




#17
Carbon Disulfide
Concen: 23.009 ug/l
RT: 4.198 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

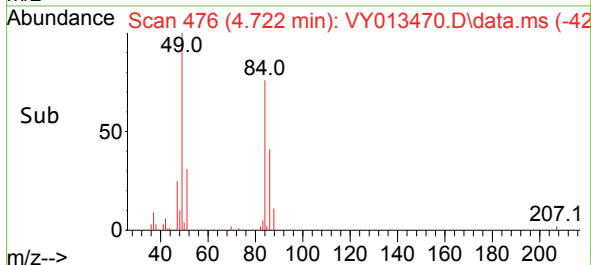
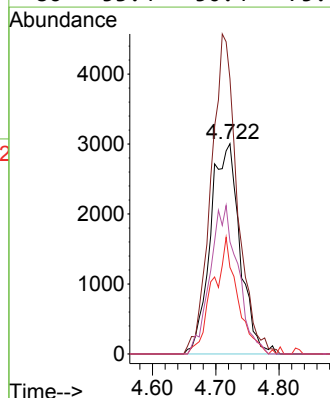
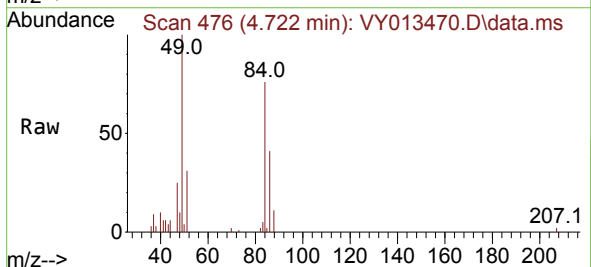
Instrument :
MSVOA_Y
ClientSampleId :
20230200-2-2

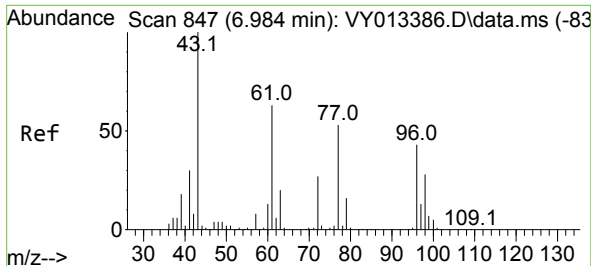
Tgt Ion: 76 Resp: 107130
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion: 84 Resp: 9730
Ion Ratio Lower Upper
84 100
49 130.9 88.0 132.0
51 41.2 27.4 41.0#
86 53.4 50.4 75.6

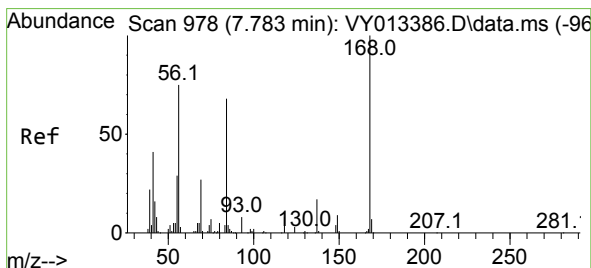
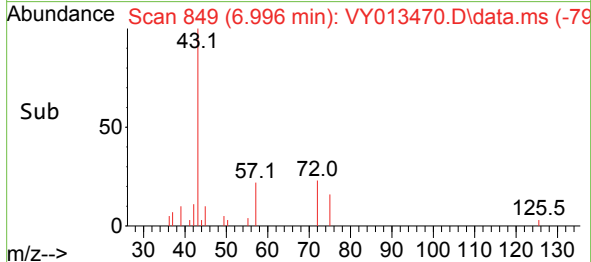
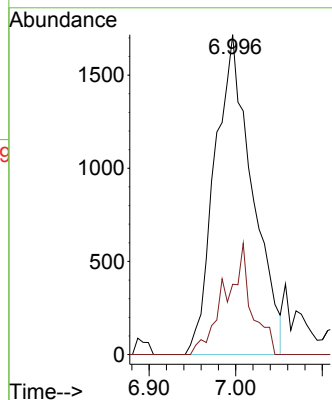
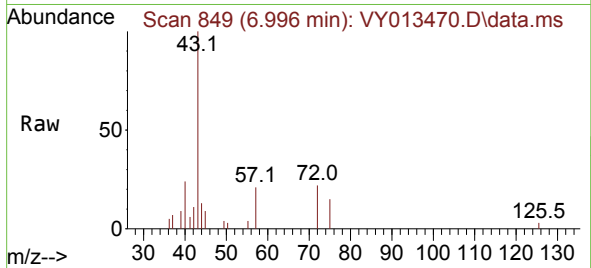




#25
2-Butanone
Concen: 6.855 ug/l
RT: 6.996 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

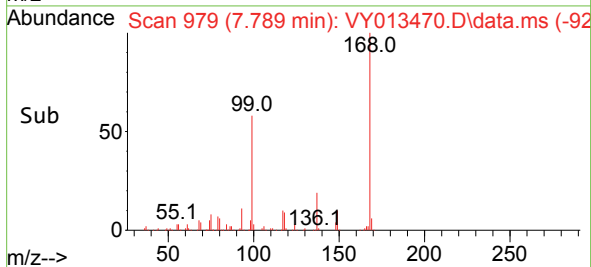
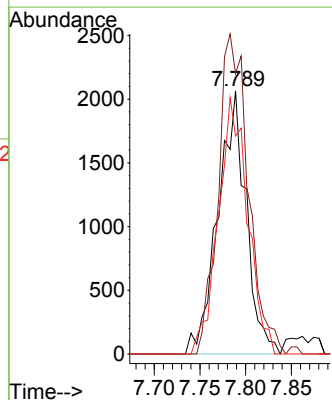
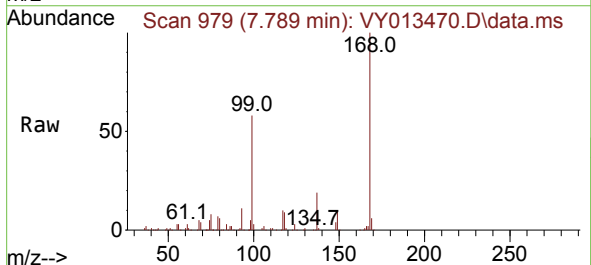
Instrument :
MSVOA_Y
ClientSampleId :
20230200-2-2

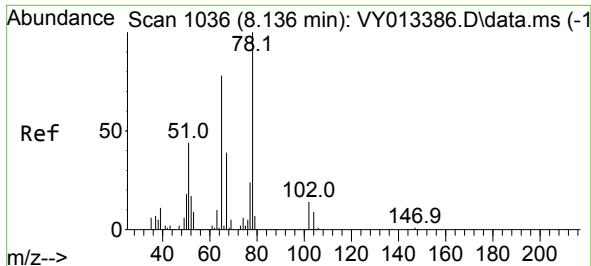
Tgt Ion: 43 Resp: 5176
Ion Ratio Lower Upper
43 100
72 22.0 21.9 32.9



#31
Cyclohexane
Concen: 1.638 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion: 56 Resp: 4433
Ion Ratio Lower Upper
56 100
69 106.5 29.2 43.8#
84 82.9 73.0 109.6

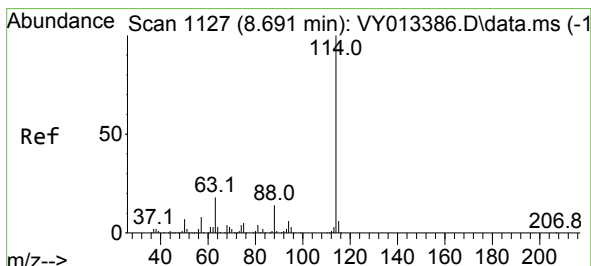
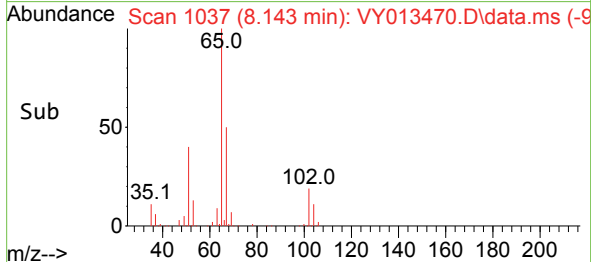
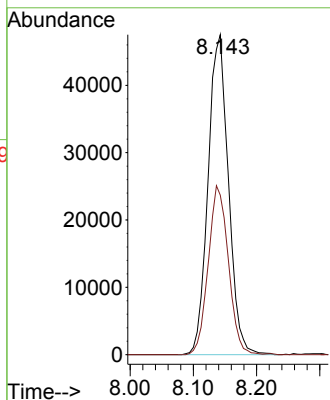
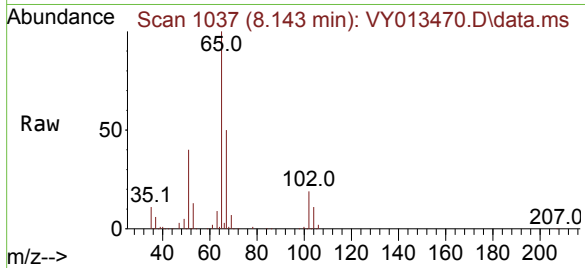




#33
1,2-Dichloroethane-d4
Concen: 70.228 ug/l
RT: 8.143 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

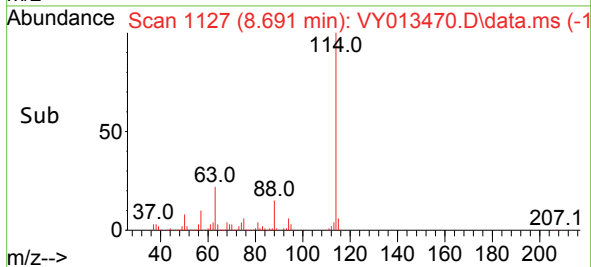
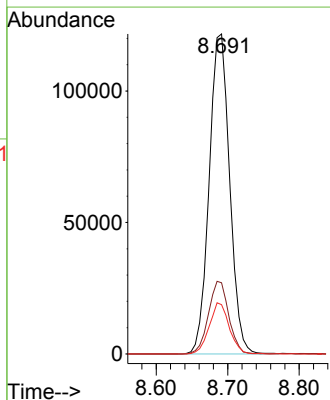
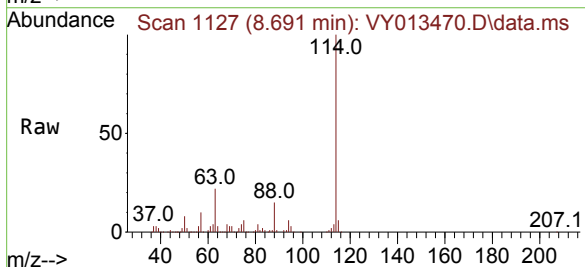
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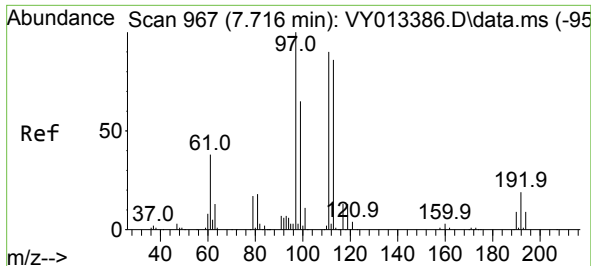
Tgt Ion: 65 Resp: 106174
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion: 114 Resp: 242206
Ion Ratio Lower Upper
114 100
63 22.3 0.0 36.6
88 15.4 0.0 28.8

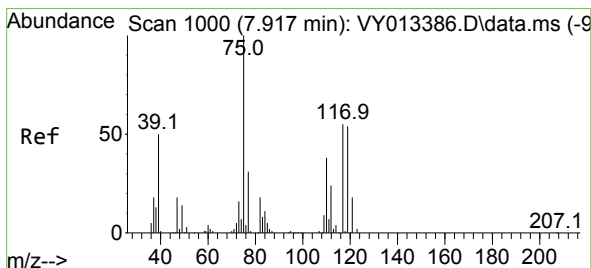
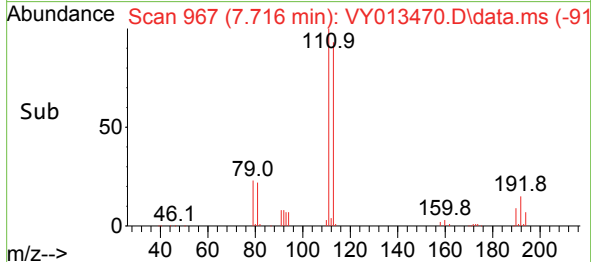
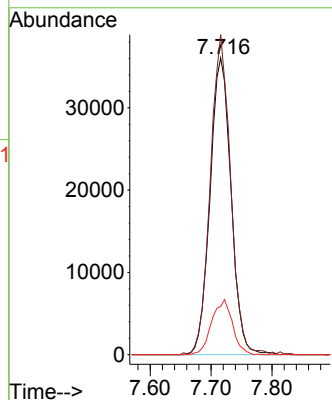
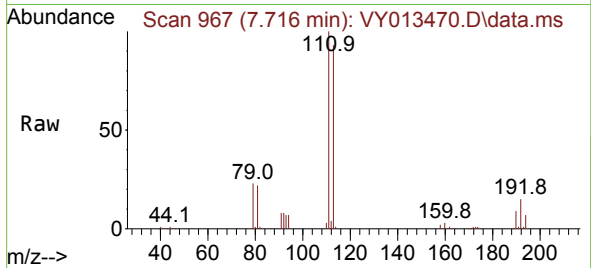




#35
 Dibromofluoromethane
 Concen: 56.681 ug/l
 RT: 7.716 min Scan# 910
 Delta R.T. -0.000 min
 Lab File: VY013470.D
 Acq: 26 Apr 2023 13:56

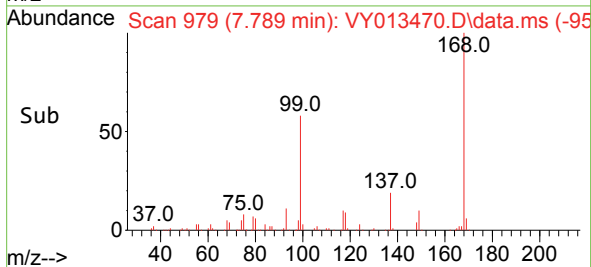
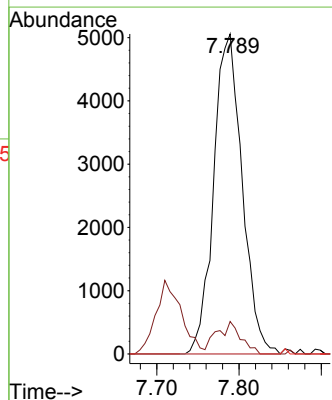
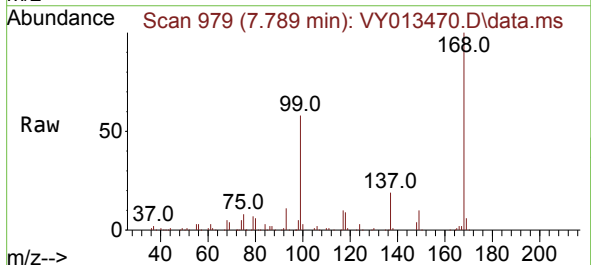
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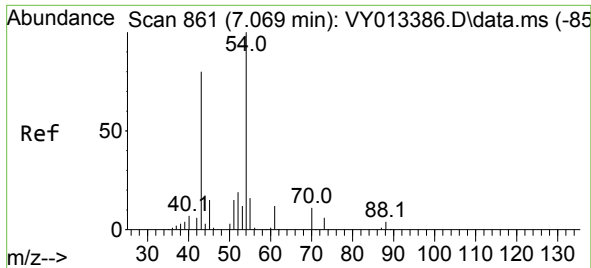
Tgt Ion:113 Resp: 86346
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.2 123.2
 192 18.4 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.816 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY013470.D
 Acq: 26 Apr 2023 13:56

Tgt Ion: 75 Resp: 12177
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.7 56.1#
 77 0.0 24.6 37.0#

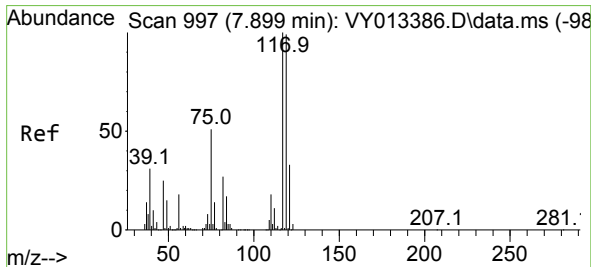
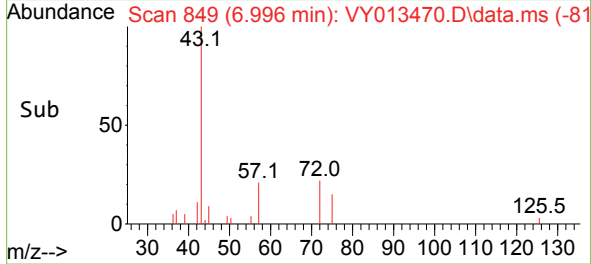
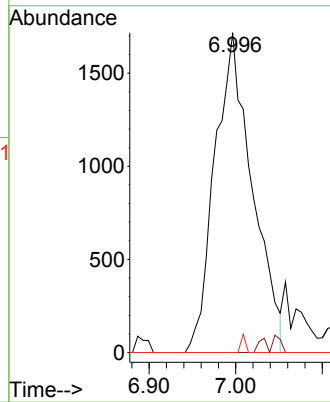
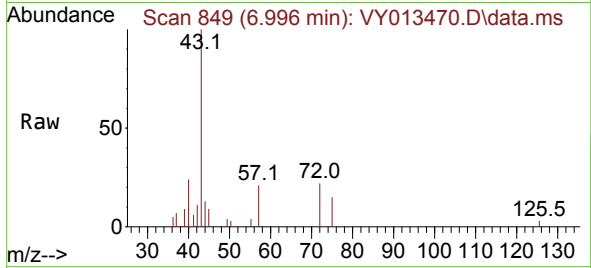




#37
Ethyl Acetate
Concen: 2.721 ug/l
RT: 6.996 min Scan# 841
Delta R.T. -0.073 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

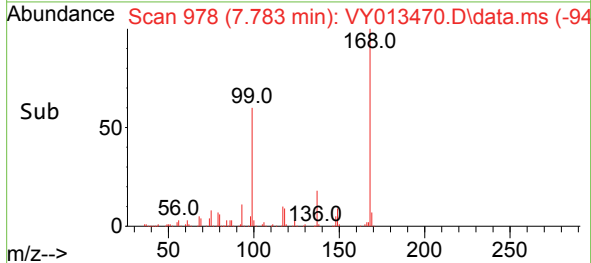
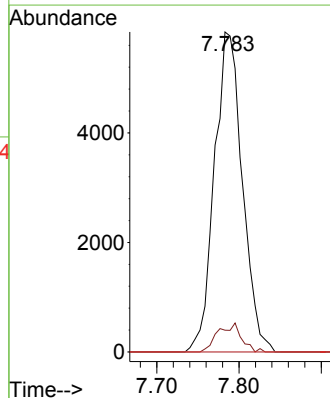
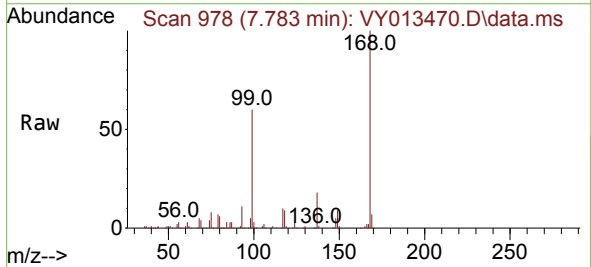
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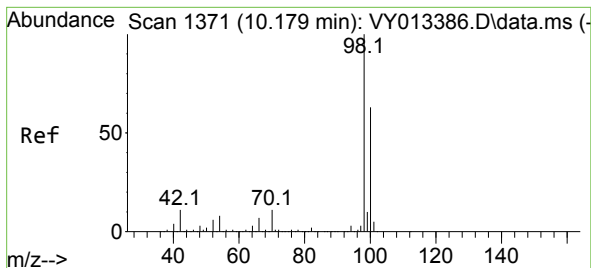
Tgt Ion: 43 Resp: 5176
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.7 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.214 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion: 117 Resp: 13817
Ion Ratio Lower Upper
117 100
119 6.8 79.0 118.6#
121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 55.134 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013470.D

Acq: 26 Apr 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

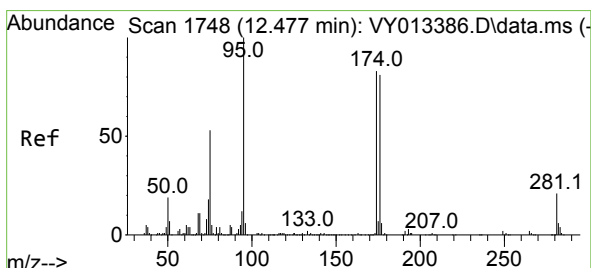
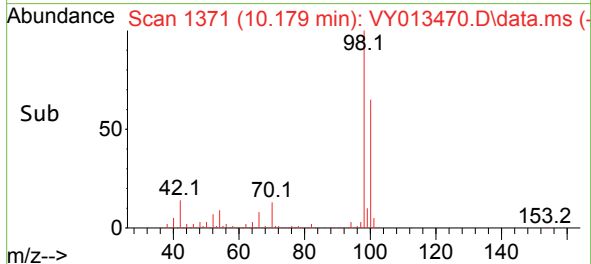
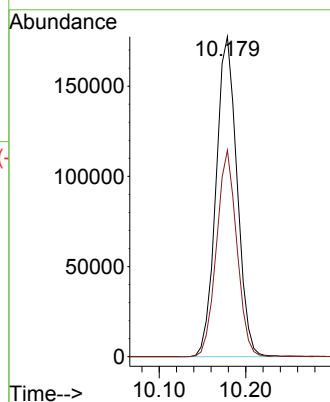
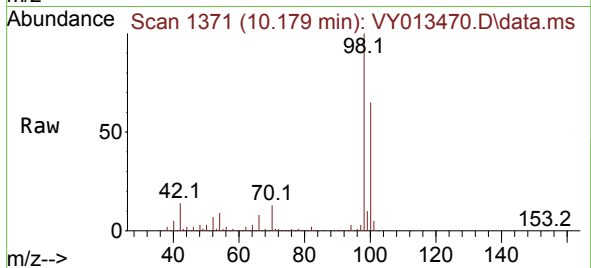
20230200-2-2

Tgt Ion: 98 Resp: 298783

Ion Ratio Lower Upper

98 100

100 62.3 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 55.729 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013470.D

Acq: 26 Apr 2023 13:56

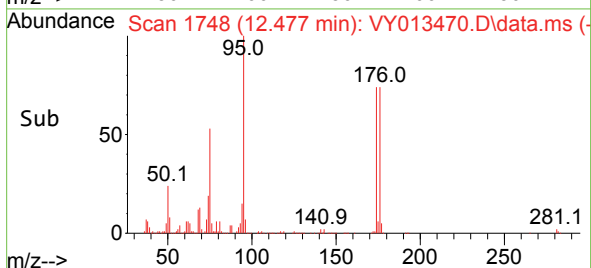
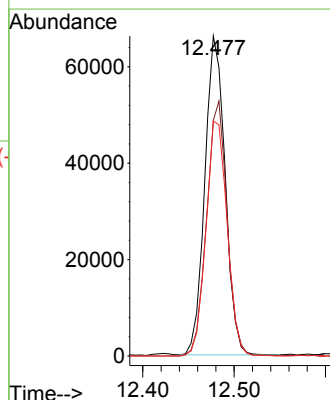
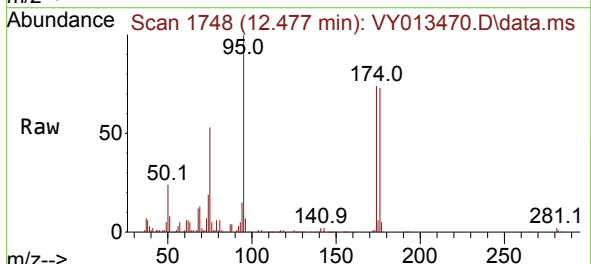
Tgt Ion: 95 Resp: 101815

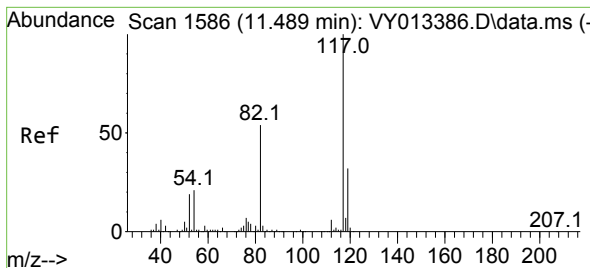
Ion Ratio Lower Upper

95 100

174 80.4 0.0 182.0

176 77.1 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013470.D

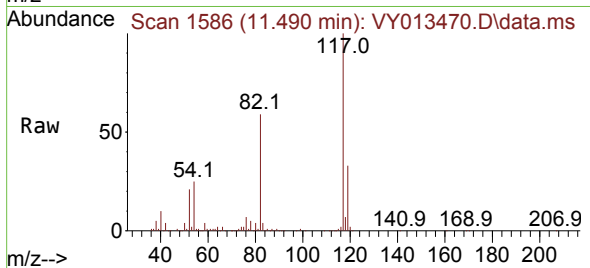
Acq: 26 Apr 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

20230200-2-2



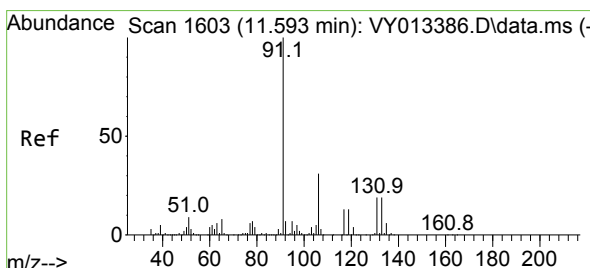
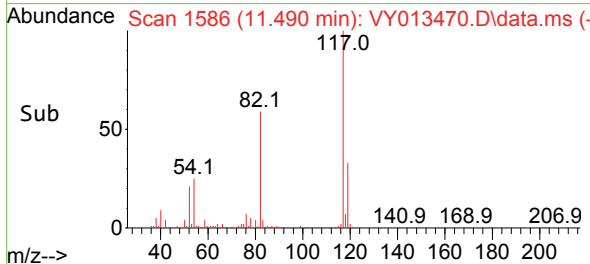
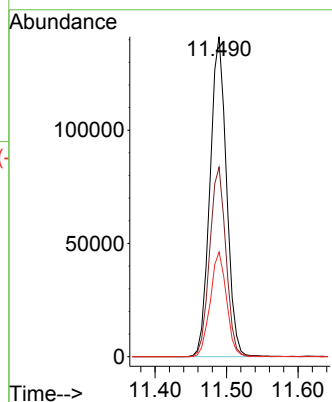
Tgt Ion:117 Resp: 226324

Ion Ratio Lower Upper

117 100

82 59.2 43.0 64.6

119 32.7 25.5 38.3



#67

Ethyl Benzene

Concen: 1.156 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY013470.D

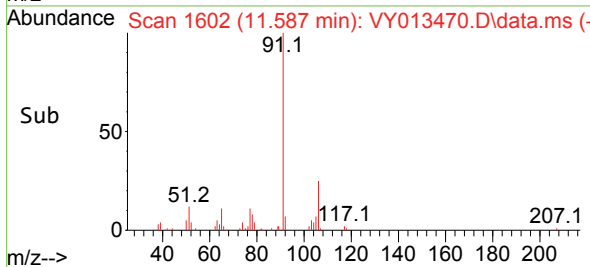
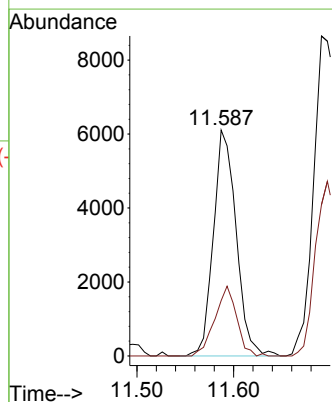
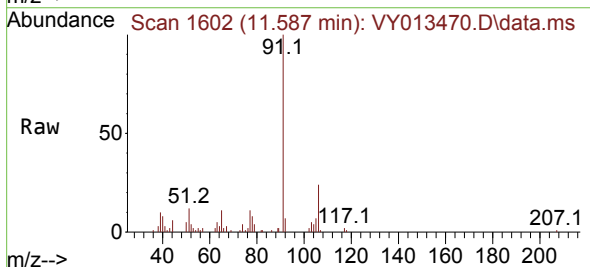
Acq: 26 Apr 2023 13:56

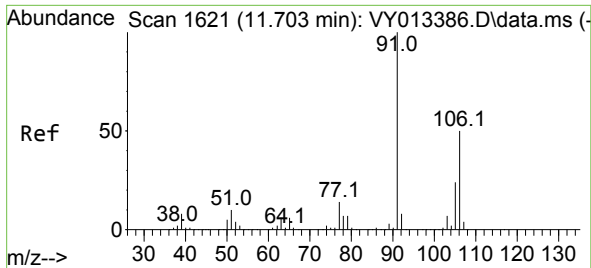
Tgt Ion: 91 Resp: 10007

Ion Ratio Lower Upper

91 100

106 24.5 25.1 37.7#

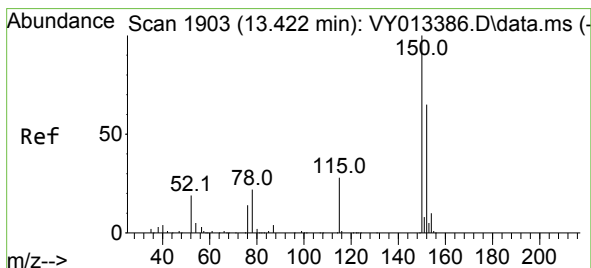
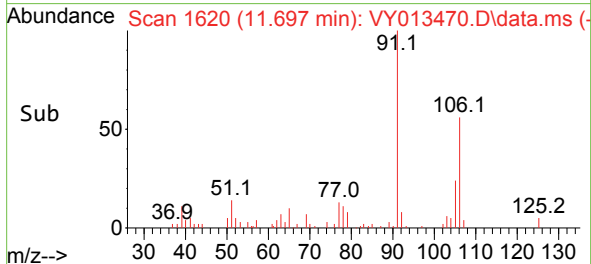
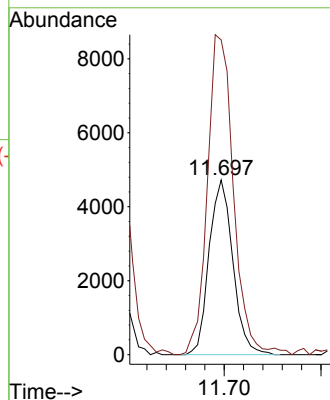
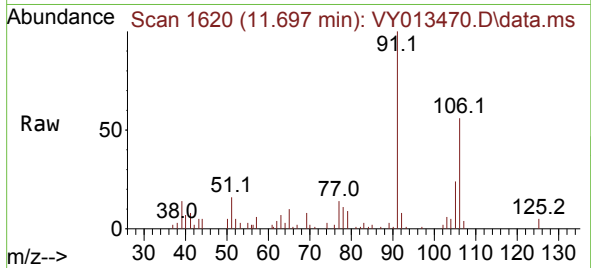




#68
m/p-Xylenes
Concen: 2.447 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

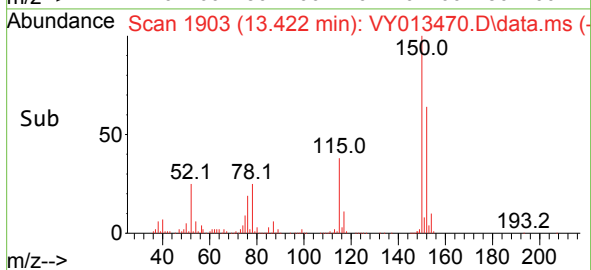
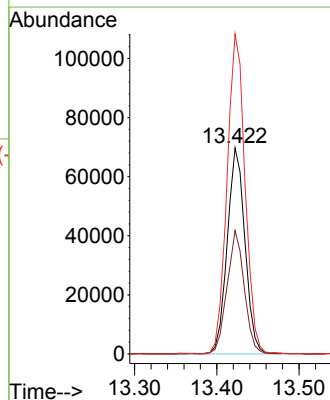
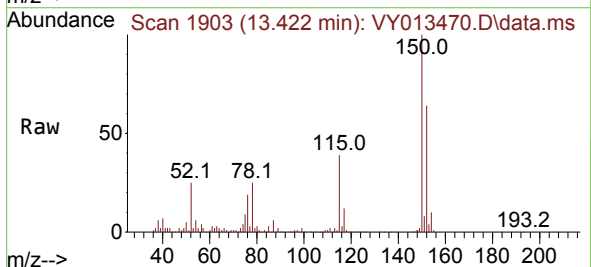
Instrument :
MSVOA_Y
ClientSampleId :
20230200-2-2

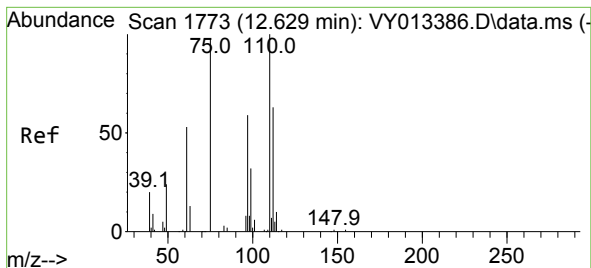
Tgt Ion:106 Resp: 8055
Ion Ratio Lower Upper
106 100
91 201.0 160.9 241.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion:152 Resp: 104581
Ion Ratio Lower Upper
152 100
115 58.5 28.1 84.2
150 158.0 0.0 352.0

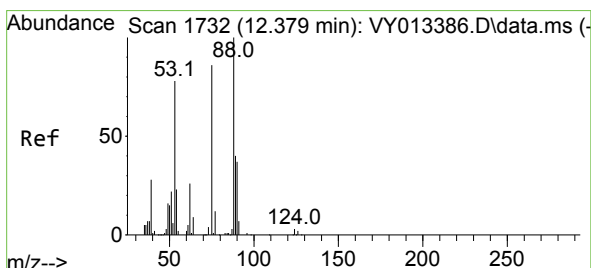
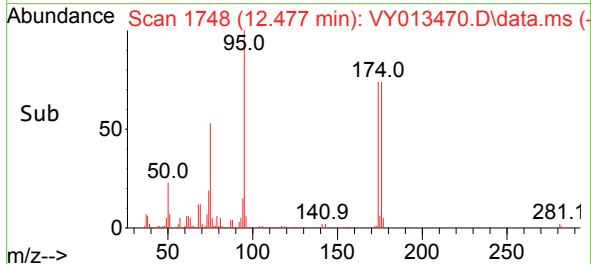
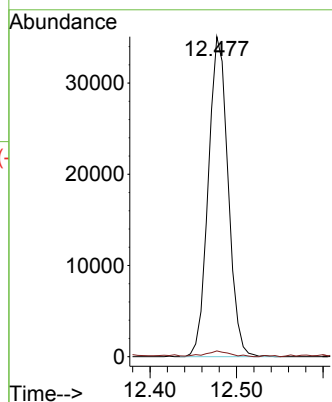
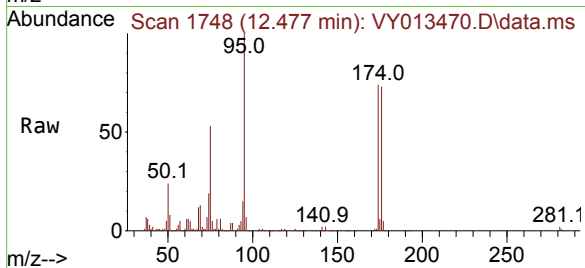




#76
1,2,3-Trichloropropane
Concen: 39.446 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

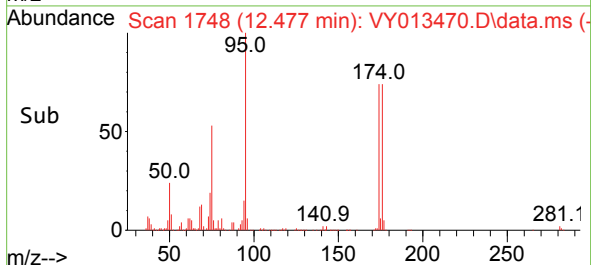
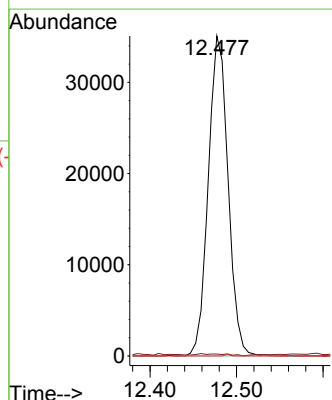
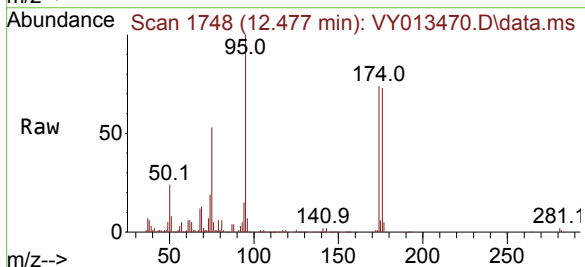
Instrument :
MSVOA_Y
ClientSampleId :
20230200-2-2

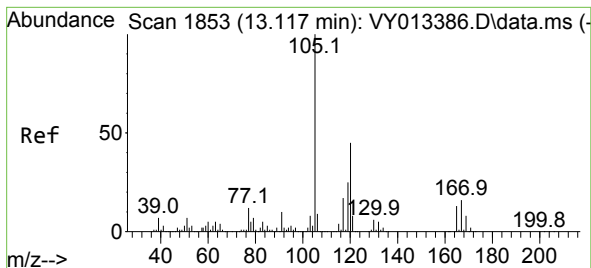
Tgt Ion: 75 Resp: 55634
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.688 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013470.D
Acq: 26 Apr 2023 13:56

Tgt Ion: 75 Resp: 55634
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.1 38.0 57.0#





#84

1,2,4-Trimethylbenzene

Concen: 2.226 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013470.D

Acq: 26 Apr 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

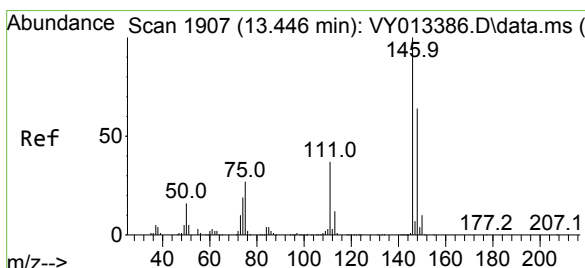
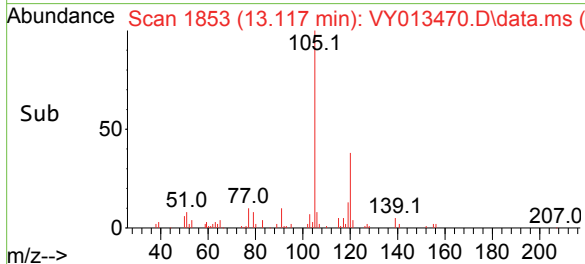
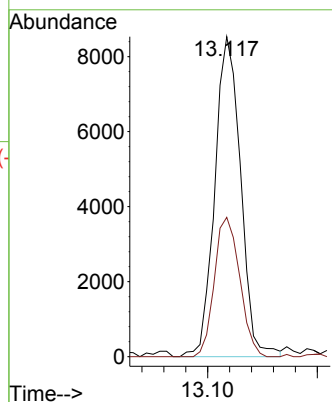
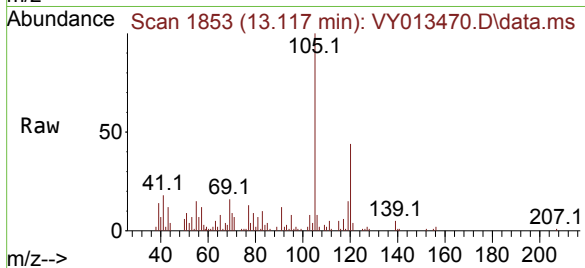
20230200-2-2

Tgt Ion:105 Resp: 13971

Ion Ratio Lower Upper

105 100

120 42.7 22.3 66.9



#88

1,4-Dichlorobenzene

Concen: 1.432 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.001 min

Lab File: VY013470.D

Acq: 26 Apr 2023 13:56

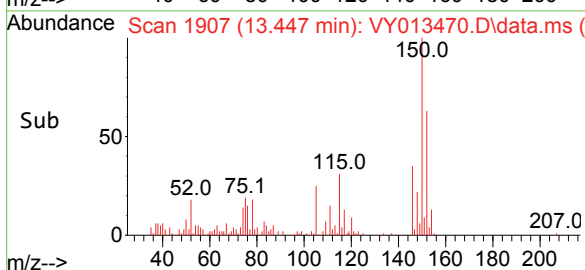
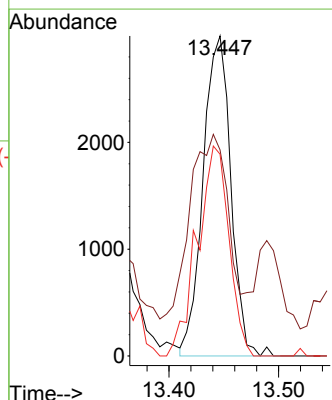
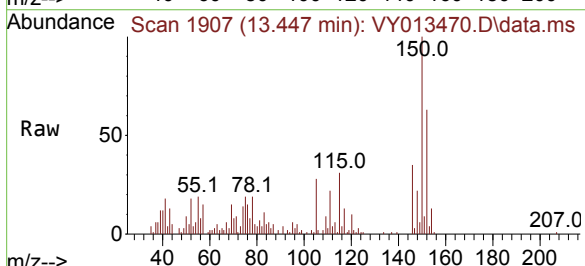
Tgt Ion:146 Resp: 5281

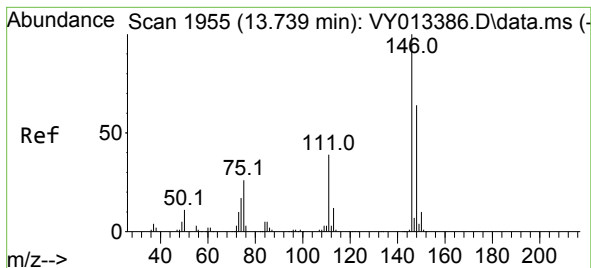
Ion Ratio Lower Upper

146 100

111 87.4 18.9 56.5

148 74.8 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 1.741 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013470.D

Acq: 26 Apr 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

20230200-2-2

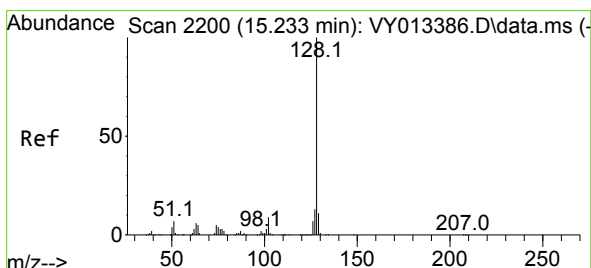
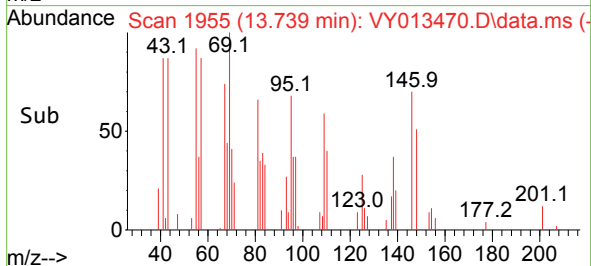
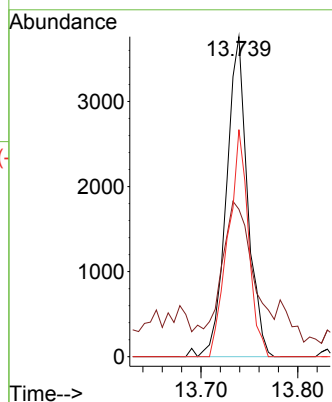
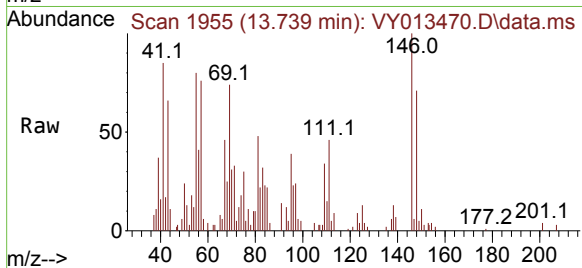
Tgt Ion:146 Resp: 5740

Ion Ratio Lower Upper

146 100

111 51.7 19.8 59.4

148 67.7 31.8 95.4



#95

Naphthalene

Concen: 2.103 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY013470.D

Acq: 26 Apr 2023 13:56

Tgt Ion:128 Resp: 8970

Ion Ratio Lower Upper

128 100

127 16.1 10.7 16.1#

129 9.9 8.8 13.2

