

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014159.D
 Acq On : 14 Jun 2023 17:26
 Operator : KP/MD
 Sample : 03154-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24051RE

Quant Time: Jun 15 01:44:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

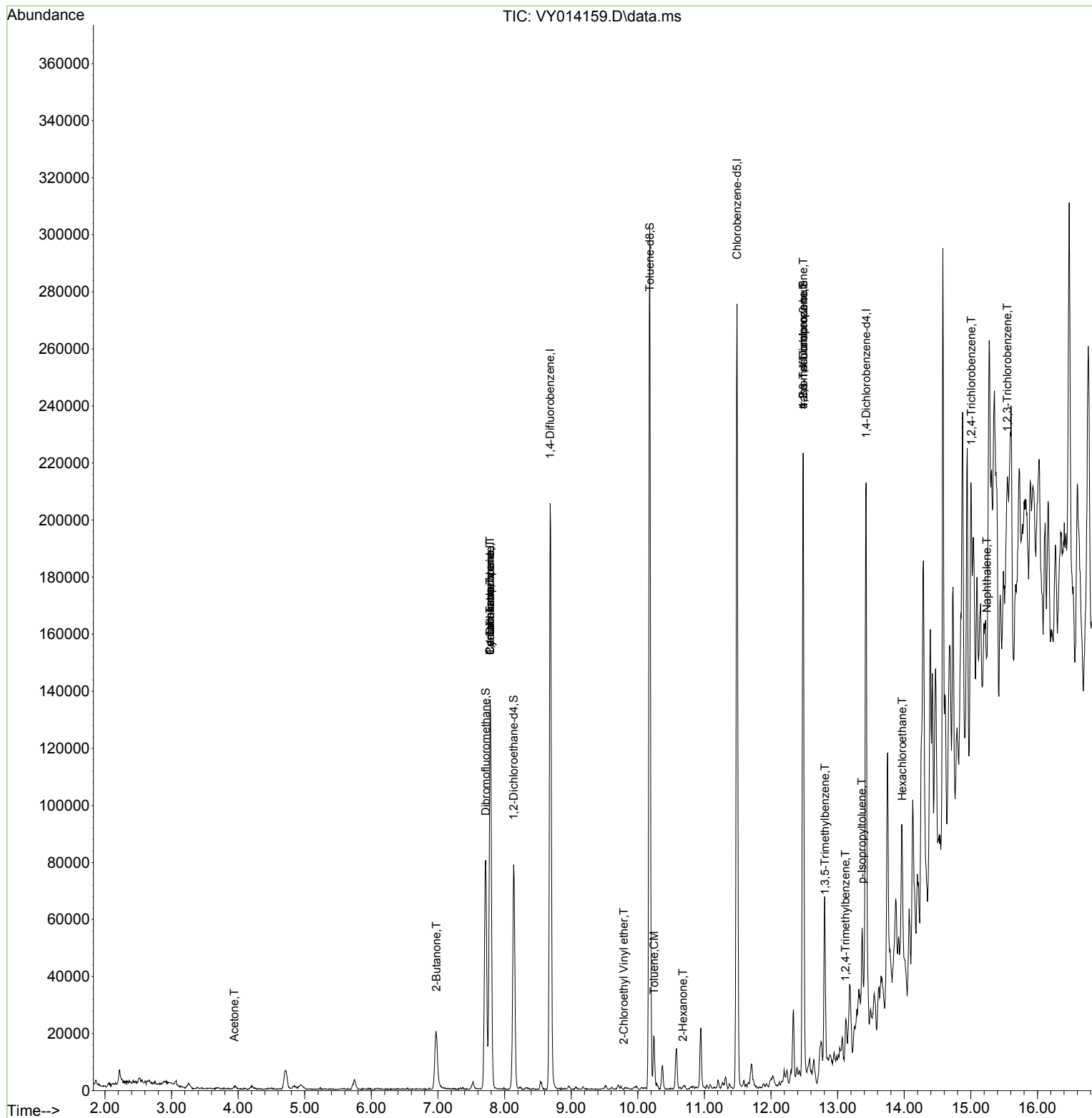
Internal Standards						
1) Pentafluorobenzene	7.783	168	107187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	170562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	145039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	65194	43.678	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.360%		
35) Dibromofluoromethane	7.716	113	55103	45.555	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.120%		
50) Toluene-d8	10.179	98	190743	42.180	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	84.360%		
62) 4-Bromofluorobenzene	12.483	95	53349	33.210	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	66.420%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	2858	Below Cal	#	91
16) Acetone	3.942	43	1641	3.647	ug/l #	82
25) 2-Butanone	6.978	43	1415	2.555	ug/l #	88
31) Cyclohexane	7.783	56	2423	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8188	4.342	ug/l #	51
38) Carbon Tetrachloride	7.783	117	10438	4.797	ug/l #	18
52) Toluene	10.246	92	6684	1.923	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.789	63	22	28.647	ug/l #	48
59) 2-Hexanone	10.679	43	1074	1.200	ug/l	65
76) 1,2,3-Trichloropropane	12.483	75	30559	45.061	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	3411	1.010	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.483	75	30559	97.404	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	4650	1.391	ug/l	99
86) p-Isopropyltoluene	13.367	119	18546	5.195	ug/l	92
90) Hexachloroethane	13.971	117	794	1.116	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.007	180	5400	4.796	ug/l #	39
95) Naphthalene	15.239	128	3697	1.618	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.550	180	1354	1.331	ug/l	65

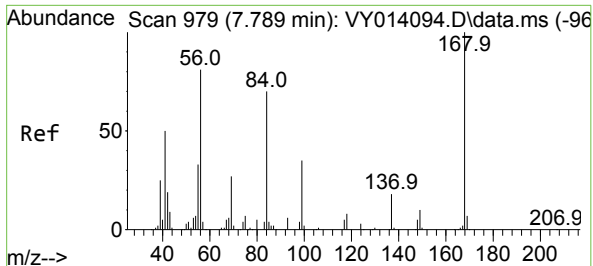
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 2023
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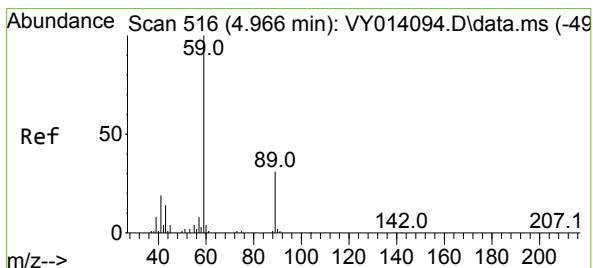
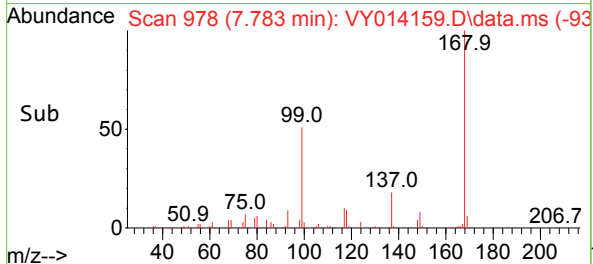
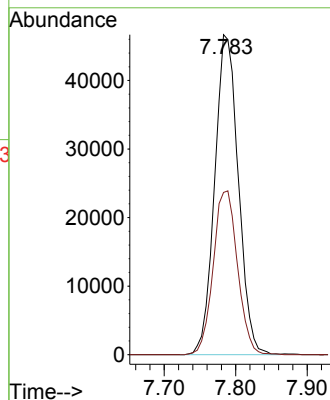
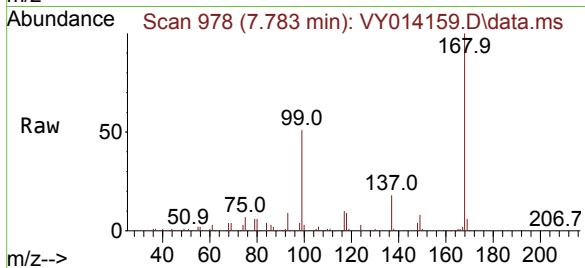




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

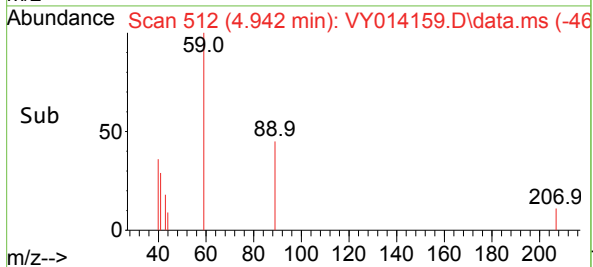
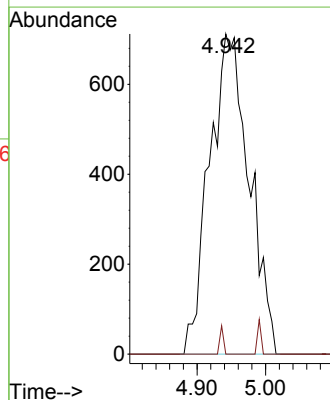
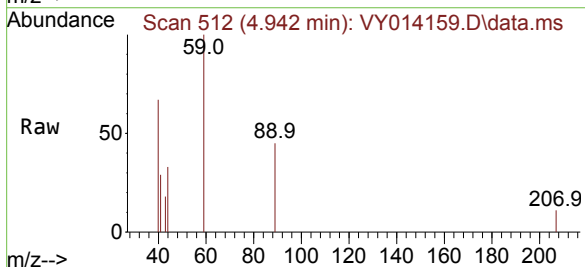
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051RE

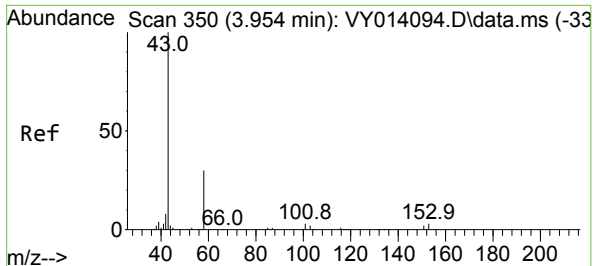
Tgt Ion:168 Resp: 107187
Ion Ratio Lower Upper
168 100
99 50.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

Tgt Ion: 59 Resp: 2858
Ion Ratio Lower Upper
59 100
57 0.8 3.0 4.4#

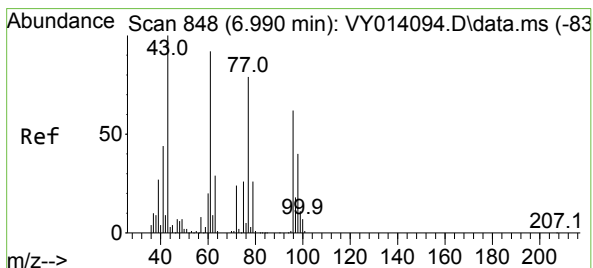
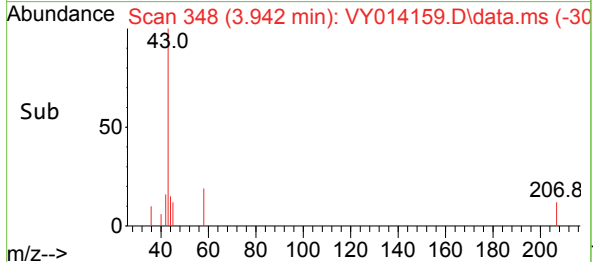
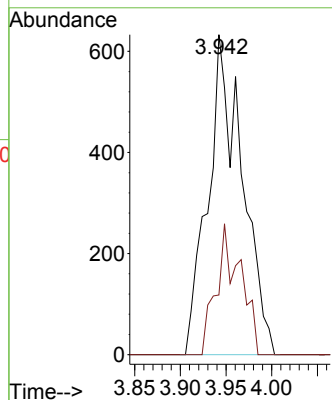
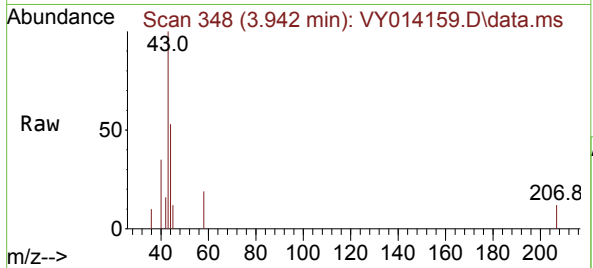




#16
Acetone
Concen: 3.647 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

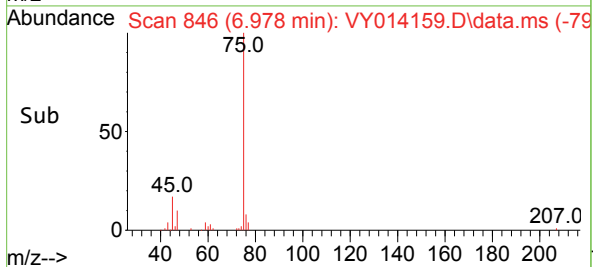
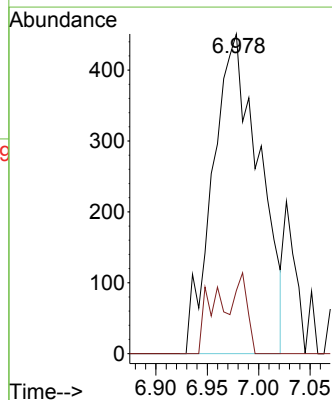
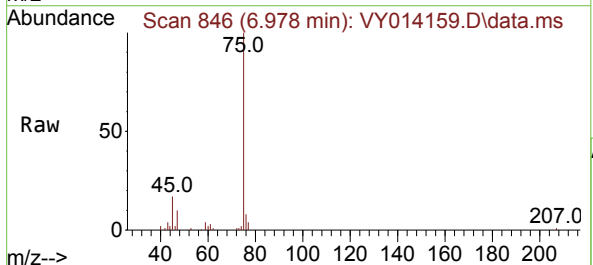
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051RE

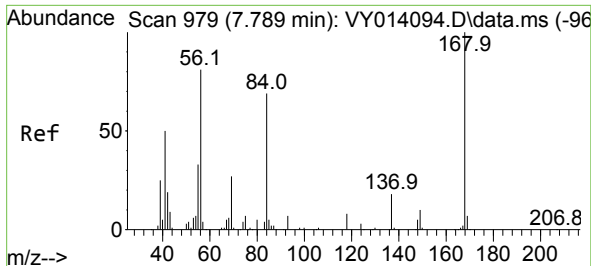
Tgt Ion: 43 Resp: 1641
Ion Ratio Lower Upper
43 100
58 18.6 22.7 34.1#



#25
2-Butanone
Concen: 2.555 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
72 19.7 20.5 30.7#

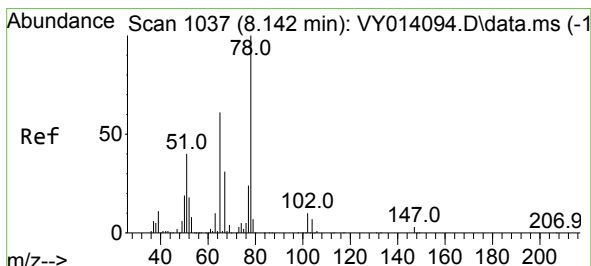
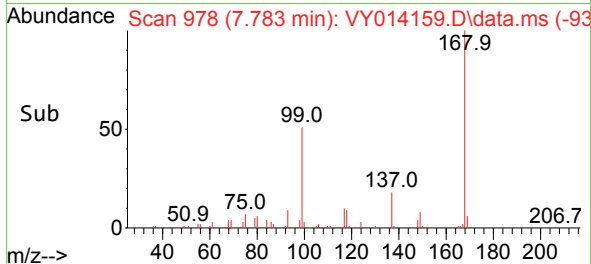
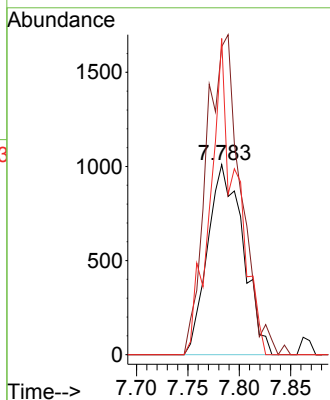
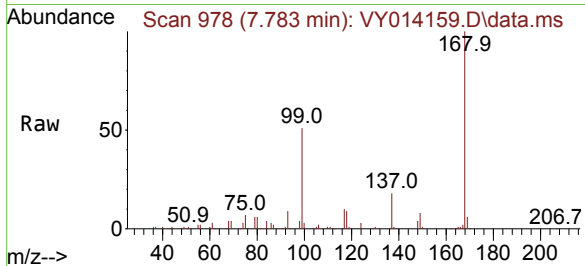




#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

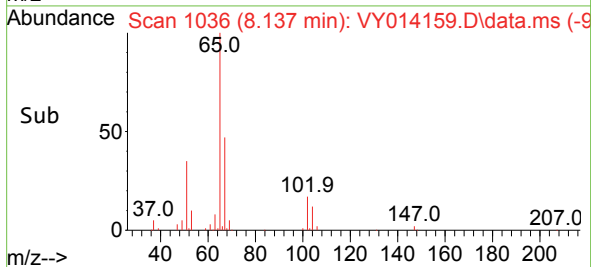
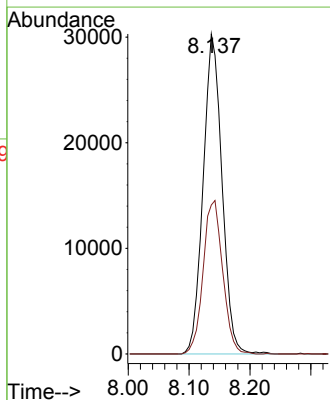
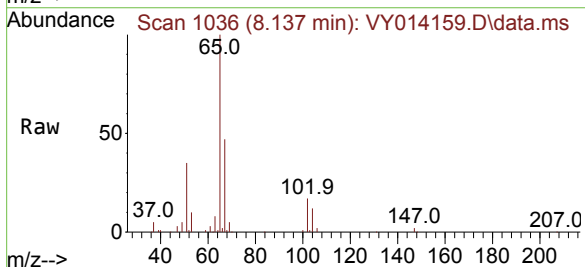
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051RE

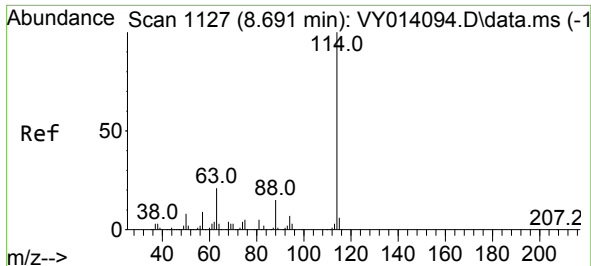
Tgt Ion: 56 Resp: 2423
Ion Ratio Lower Upper
56 100
69 162.0 27.8 41.6#
84 166.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 43.678 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

Tgt Ion: 65 Resp: 65194
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.8

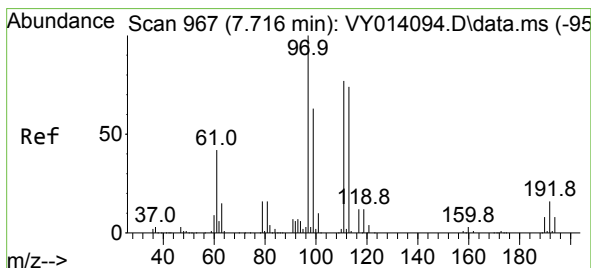
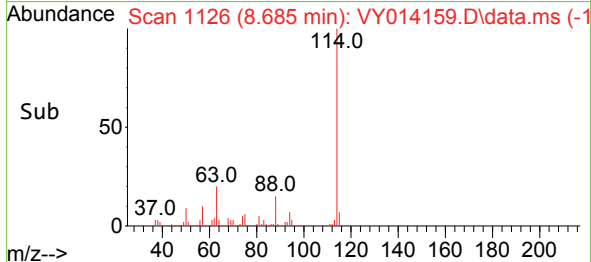
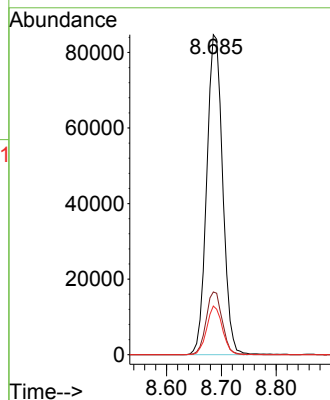
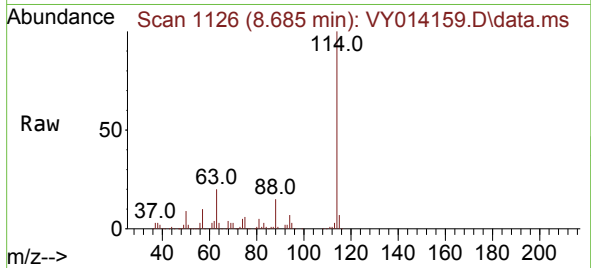




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

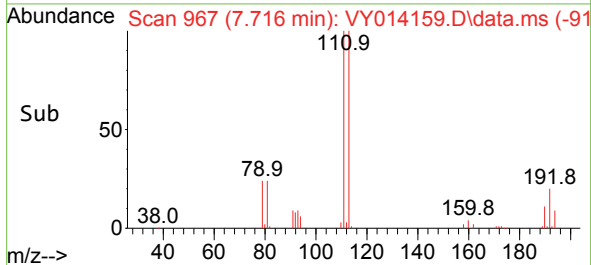
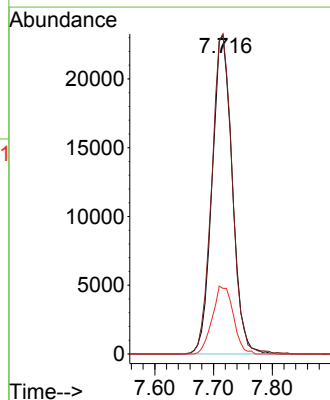
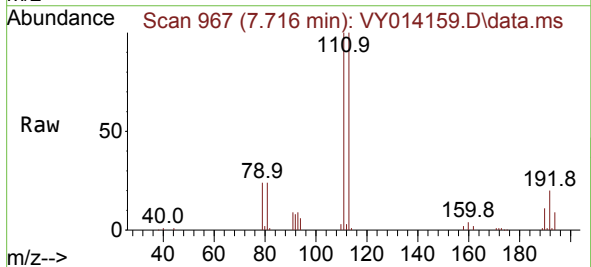
Instrument :
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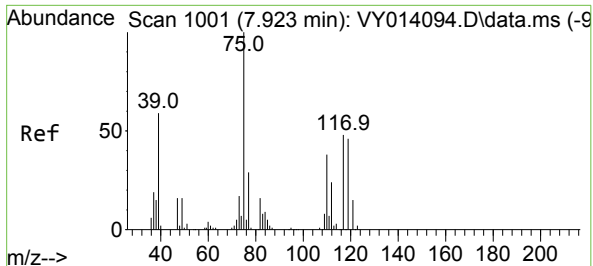
Tgt Ion:114 Resp: 170562
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.555 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

Tgt Ion:113 Resp: 55103
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 22.2 16.9 25.3

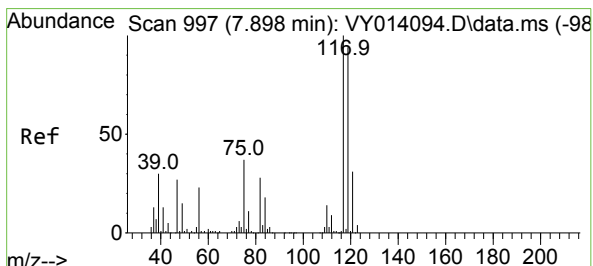
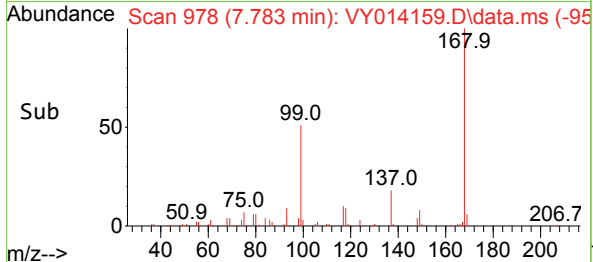
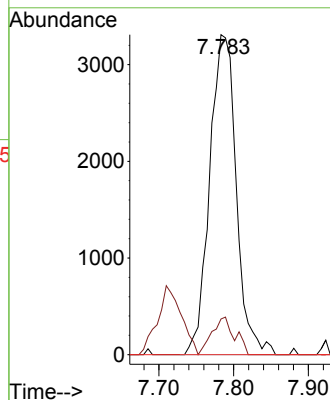
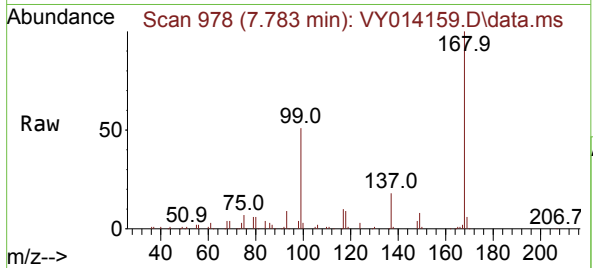




#36
1,1-Dichloropropene
Concen: 4.342 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

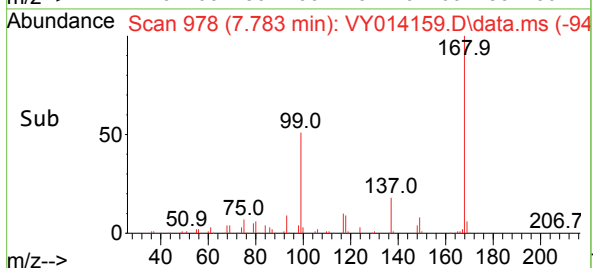
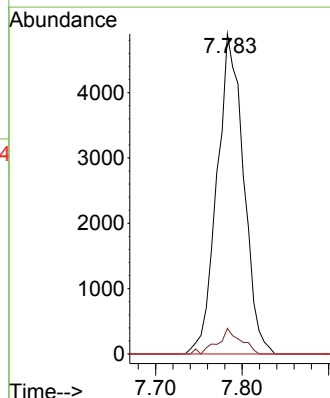
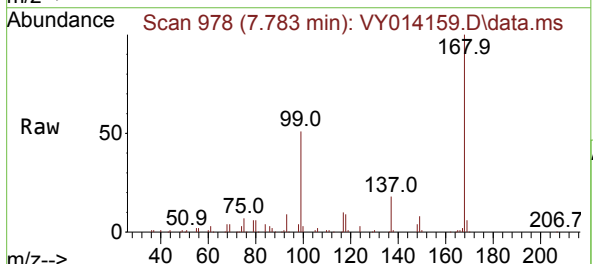
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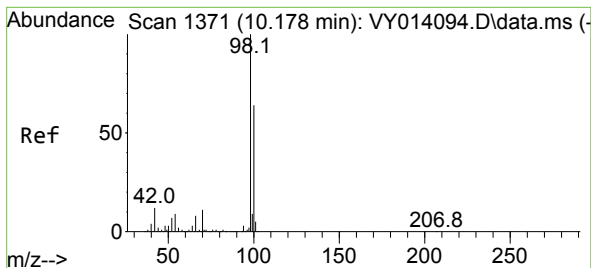
Tgt Ion: 75 Resp: 8188
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.797 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.115 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

Tgt Ion: 117 Resp: 10438
Ion Ratio Lower Upper
117 100
119 8.0 76.4 114.6#
121 0.0 25.8 38.6#

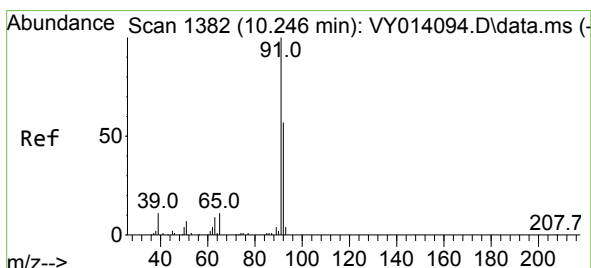
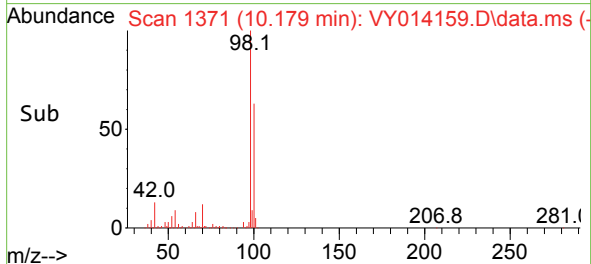
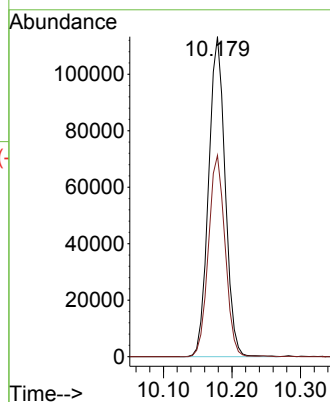
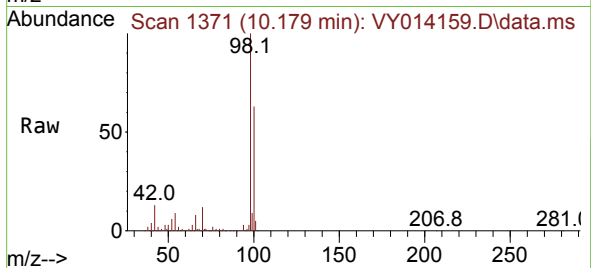




#50
Toluene-d8
Concen: 42.180 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

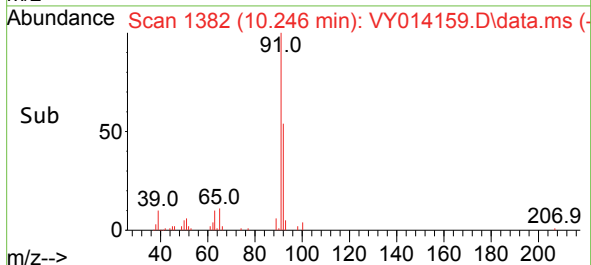
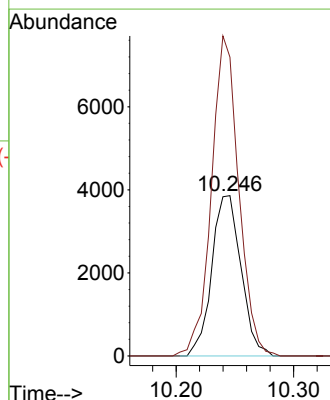
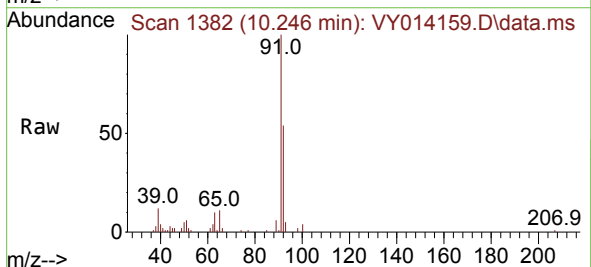
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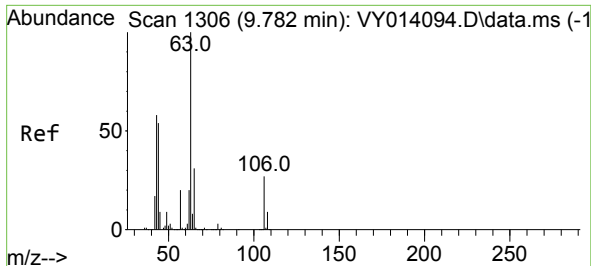
Tgt Ion: 98 Resp: 190743
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1



#52
Toluene
Concen: 1.923 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

Tgt Ion: 92 Resp: 6684
Ion Ratio Lower Upper
92 100
91 186.3 143.8 215.6

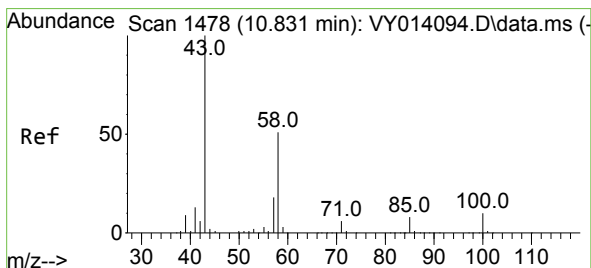
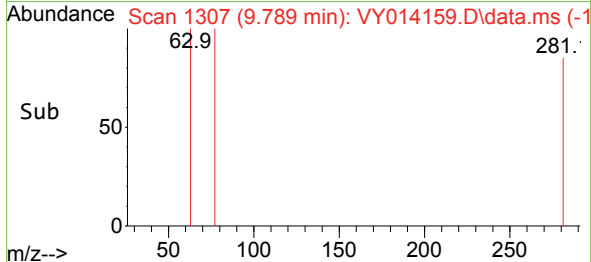
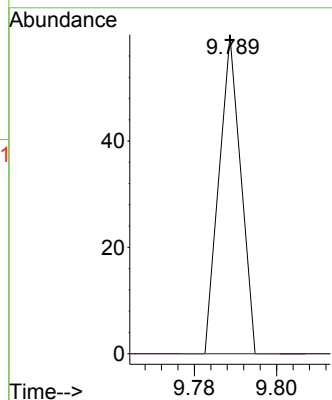
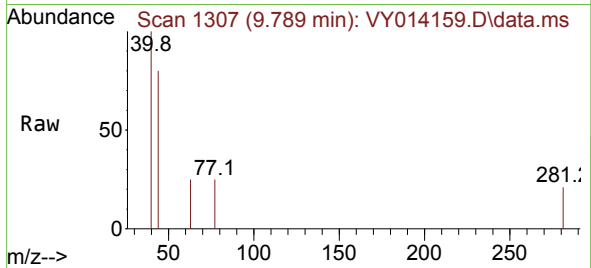




#58
2-Chloroethyl Vinyl ether
Concen: 28.647 ug/l
RT: 9.789 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

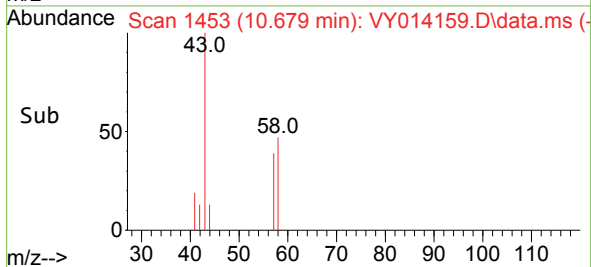
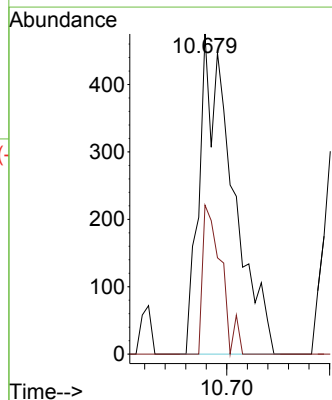
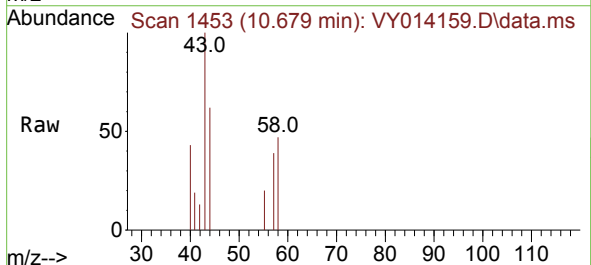
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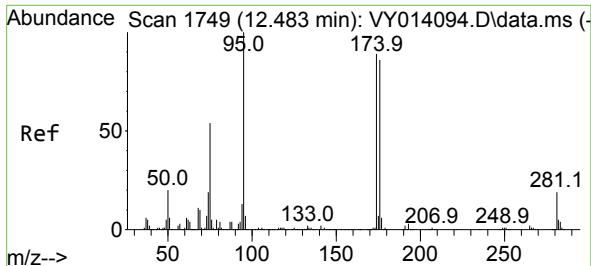
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#59
2-Hexanone
Concen: 1.200 ug/l
RT: 10.679 min Scan# 1453
Delta R.T. -0.152 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
58 25.7 25.1 75.3

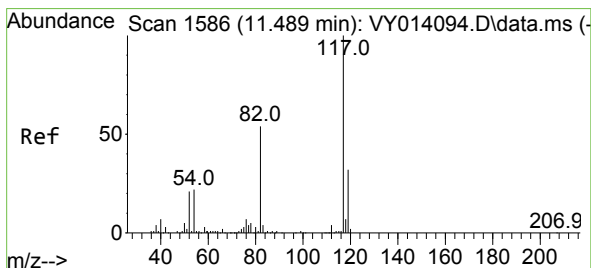
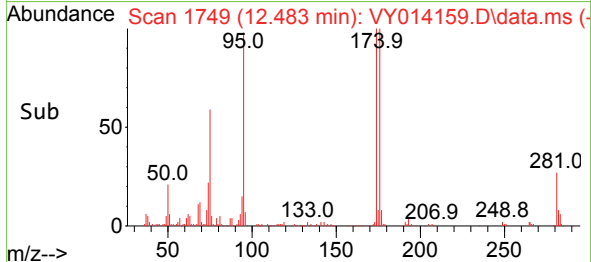
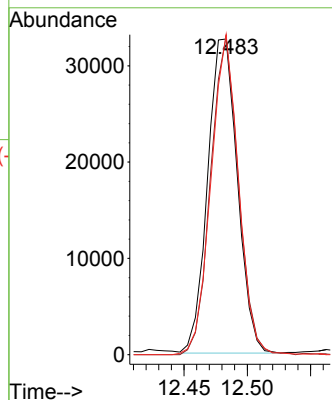
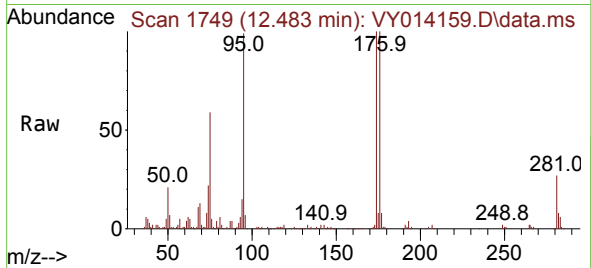




#62
4-Bromofluorobenzene
Concen: 33.210 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

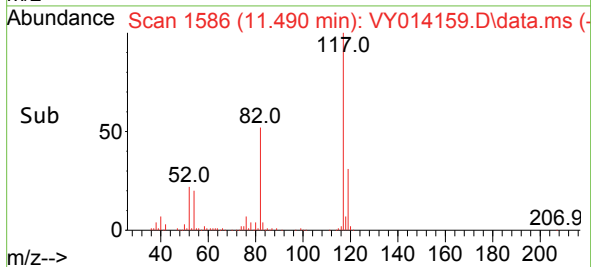
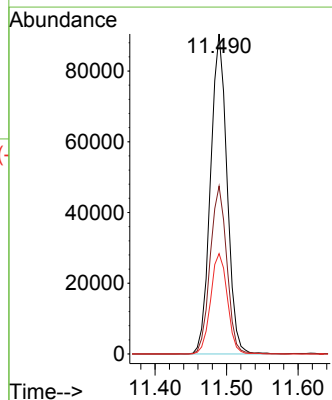
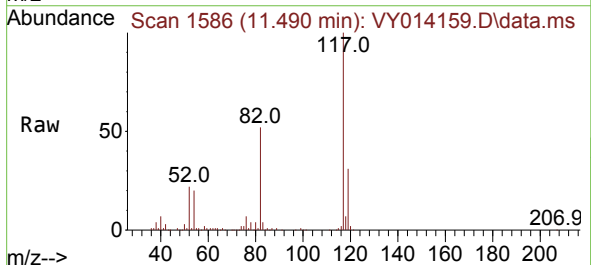
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051RE

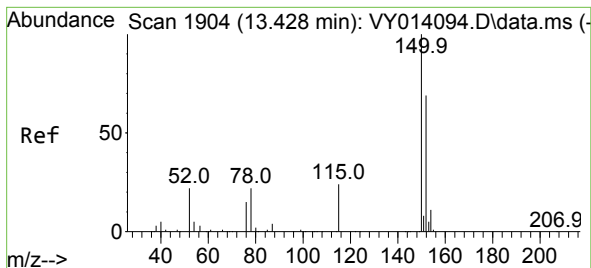
Tgt Ion: 95 Resp: 53349
Ion Ratio Lower Upper
95 100
174 94.5 0.0 178.2
176 94.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014159.D
Acq: 14 Jun 2023 17:26

Tgt Ion: 117 Resp: 145039
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 31.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014159.D

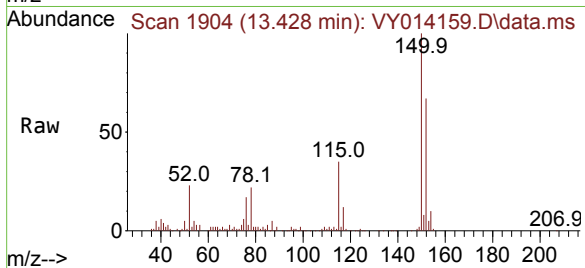
Acq: 14 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24051RE



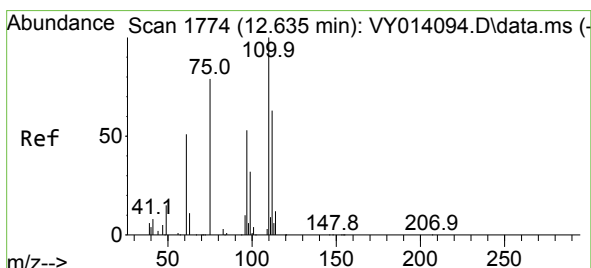
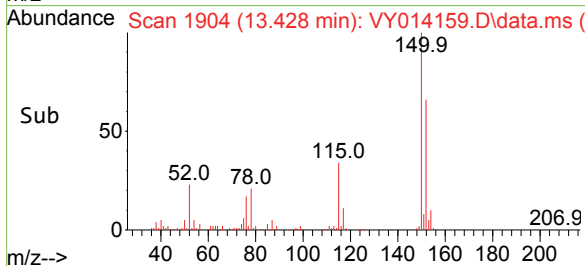
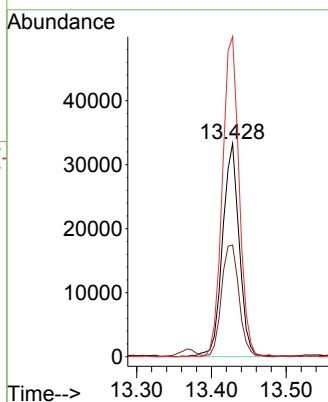
Tgt Ion:152 Resp: 51691

Ion Ratio Lower Upper

152 100

115 55.1 28.8 86.5

150 151.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 45.061 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014159.D

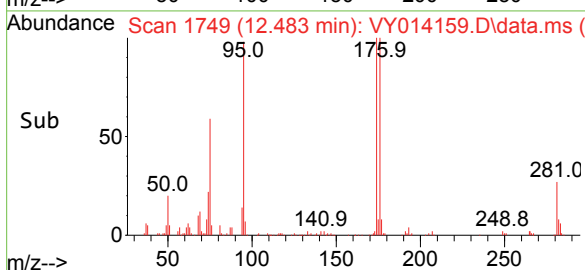
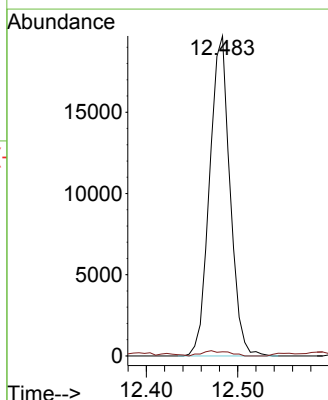
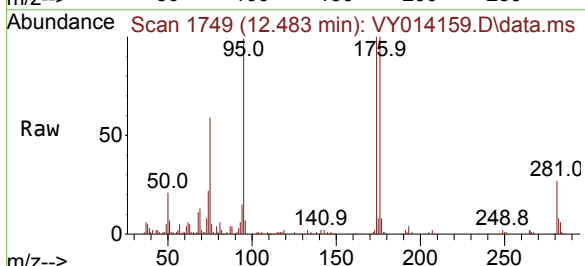
Acq: 14 Jun 2023 17:26

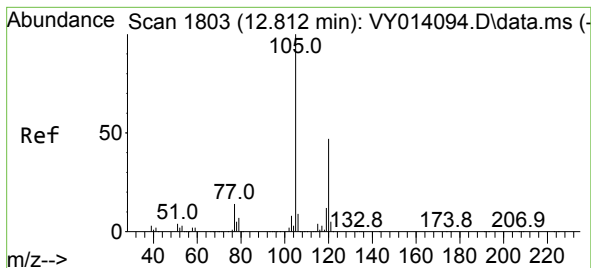
Tgt Ion: 75 Resp: 30559

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.010 ug/l

RT: 12.813 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

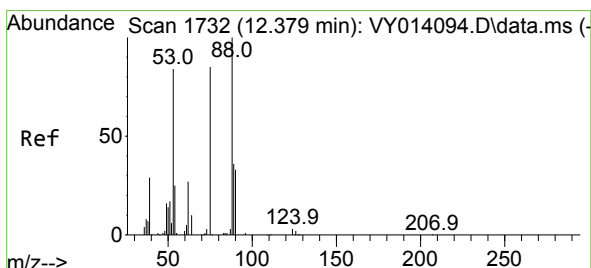
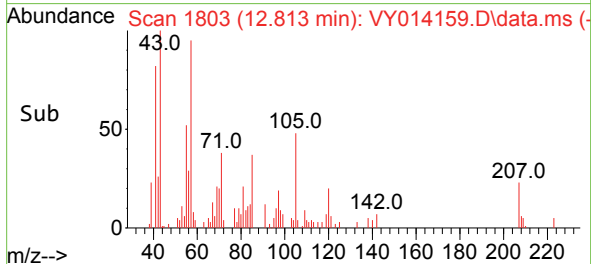
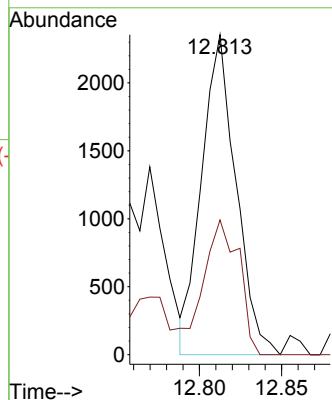
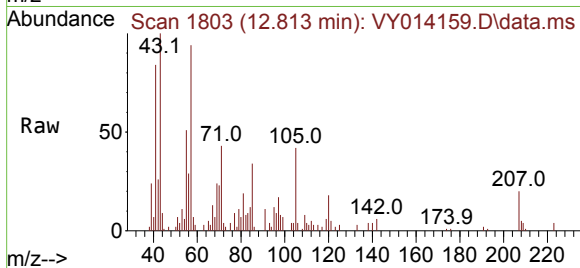
CHRT-24051RE

Tgt Ion:105 Resp: 3411

Ion Ratio Lower Upper

105 100

120 41.2 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 97.404 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

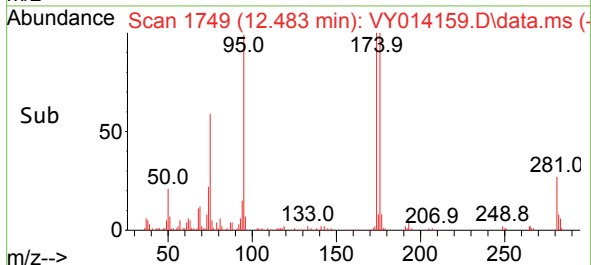
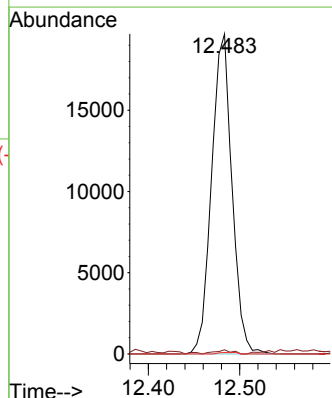
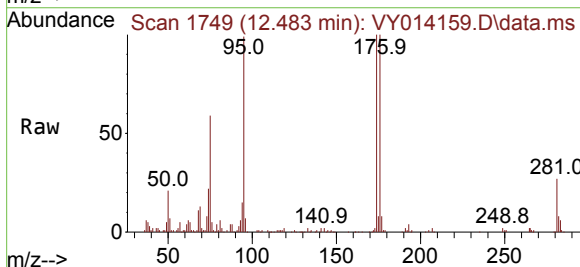
Tgt Ion: 75 Resp: 30559

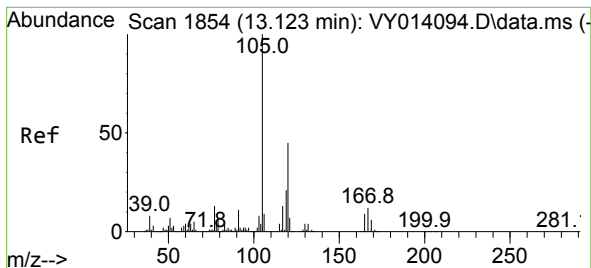
Ion Ratio Lower Upper

75 100

53 1.1 77.8 116.8#

89 0.4 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.391 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

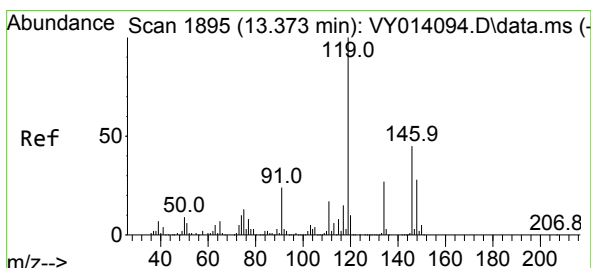
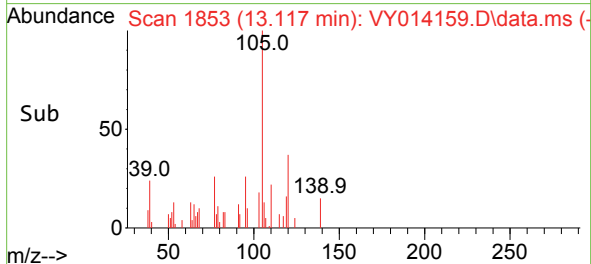
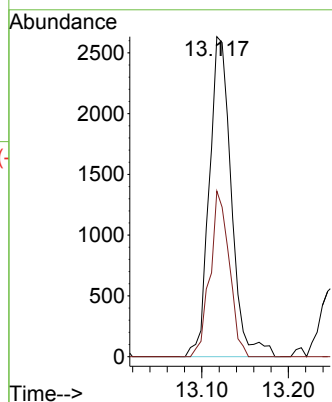
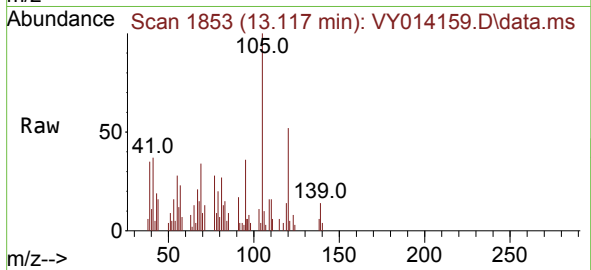
CHRT-24051RE

Tgt Ion:105 Resp: 4650

Ion Ratio Lower Upper

105 100

120 45.0 22.2 66.6



#86

p-Isopropyltoluene

Concen: 5.195 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

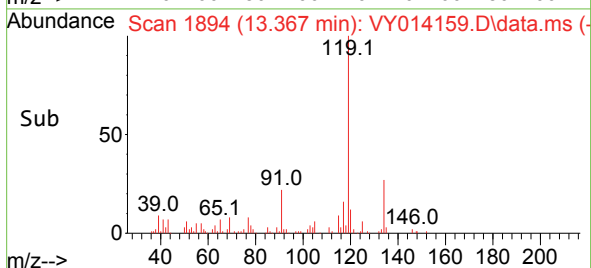
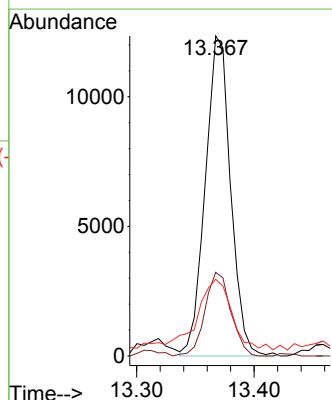
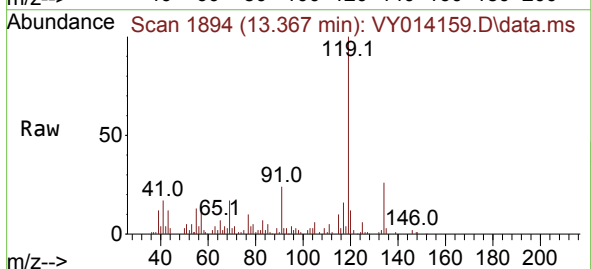
Tgt Ion:119 Resp: 18546

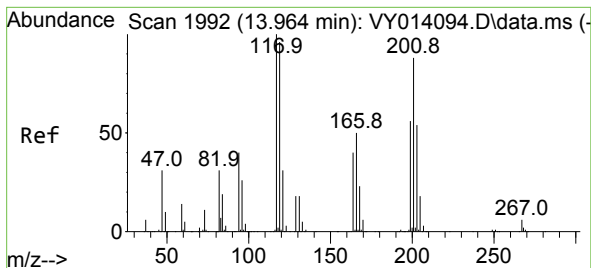
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 33.4 12.4 37.4





#90

Hexachloroethane

Concen: 1.116 ug/l

RT: 13.971 min Scan# 1992

Delta R.T. 0.007 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

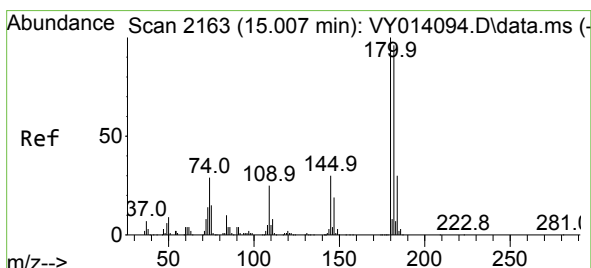
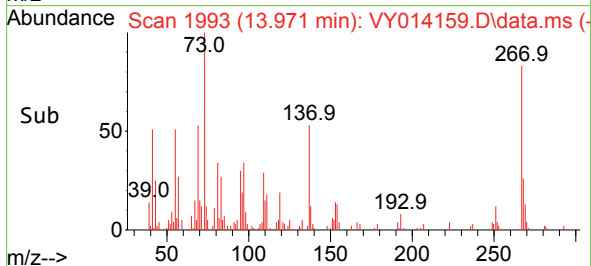
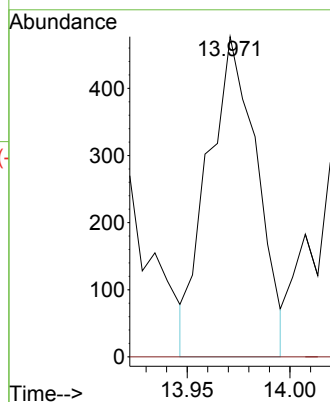
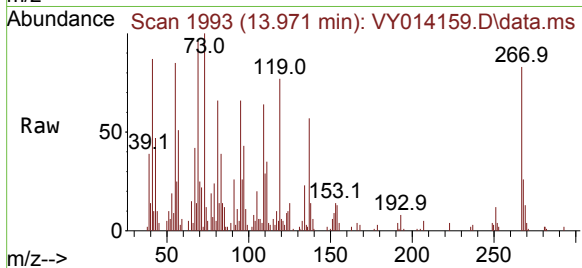
CHRT-24051RE

Tgt Ion:117 Resp: 794

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#93

1,2,4-Trichlorobenzene

Concen: 4.796 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

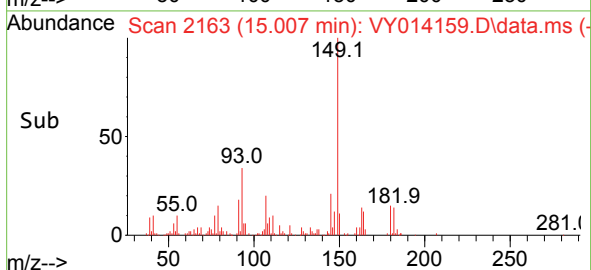
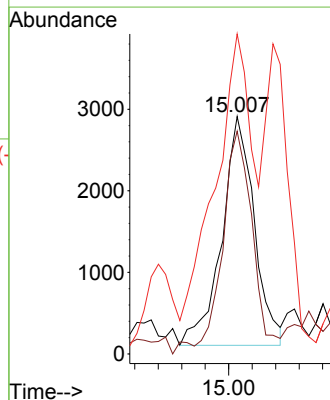
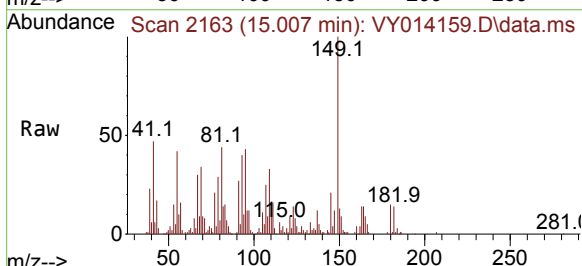
Tgt Ion:180 Resp: 5400

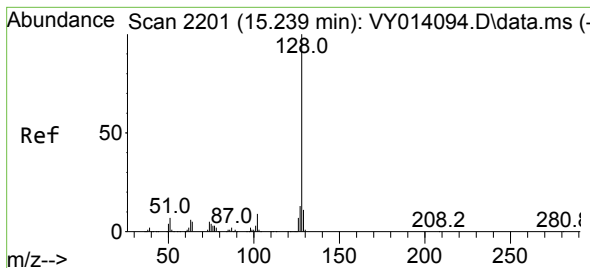
Ion Ratio Lower Upper

180 100

182 91.3 47.0 141.2

145 163.2 14.5 43.5#





#95

Naphthalene

Concen: 1.618 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24051RE

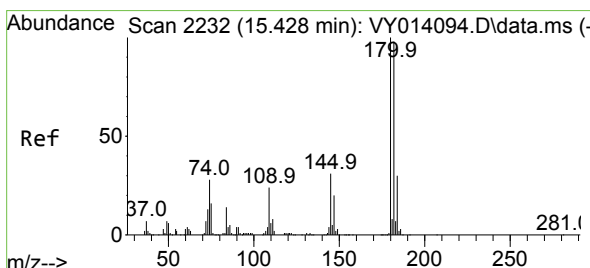
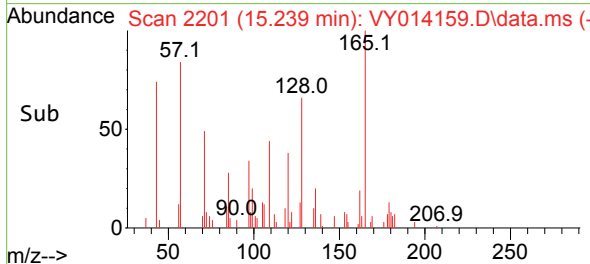
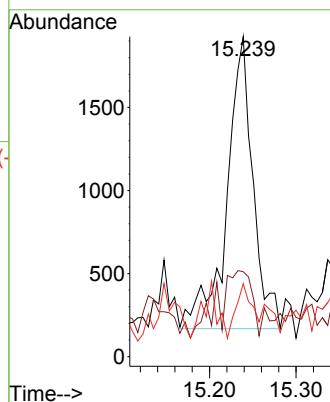
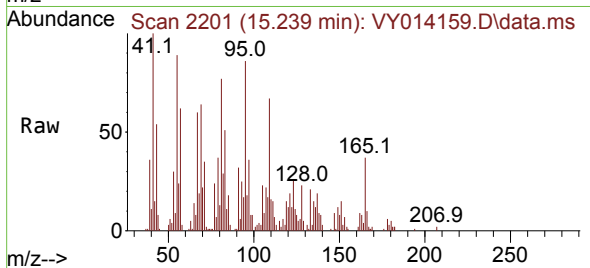
Tgt Ion:128 Resp: 3697

Ion Ratio Lower Upper

128 100

127 29.5 10.8 16.2#

129 11.7 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.331 ug/l

RT: 15.550 min Scan# 2252

Delta R.T. 0.122 min

Lab File: VY014159.D

Acq: 14 Jun 2023 17:26

Tgt Ion:180 Resp: 1354

Ion Ratio Lower Upper

180 100

182 49.9 47.3 141.8

145 32.3 15.4 46.2

