

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013103.D
 Acq On : 27 Mar 2023 19:38
 Operator : KP/MD
 Sample : 02109-01
 Misc : 8.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-30-SB01

Quant Time: Mar 28 01:48:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

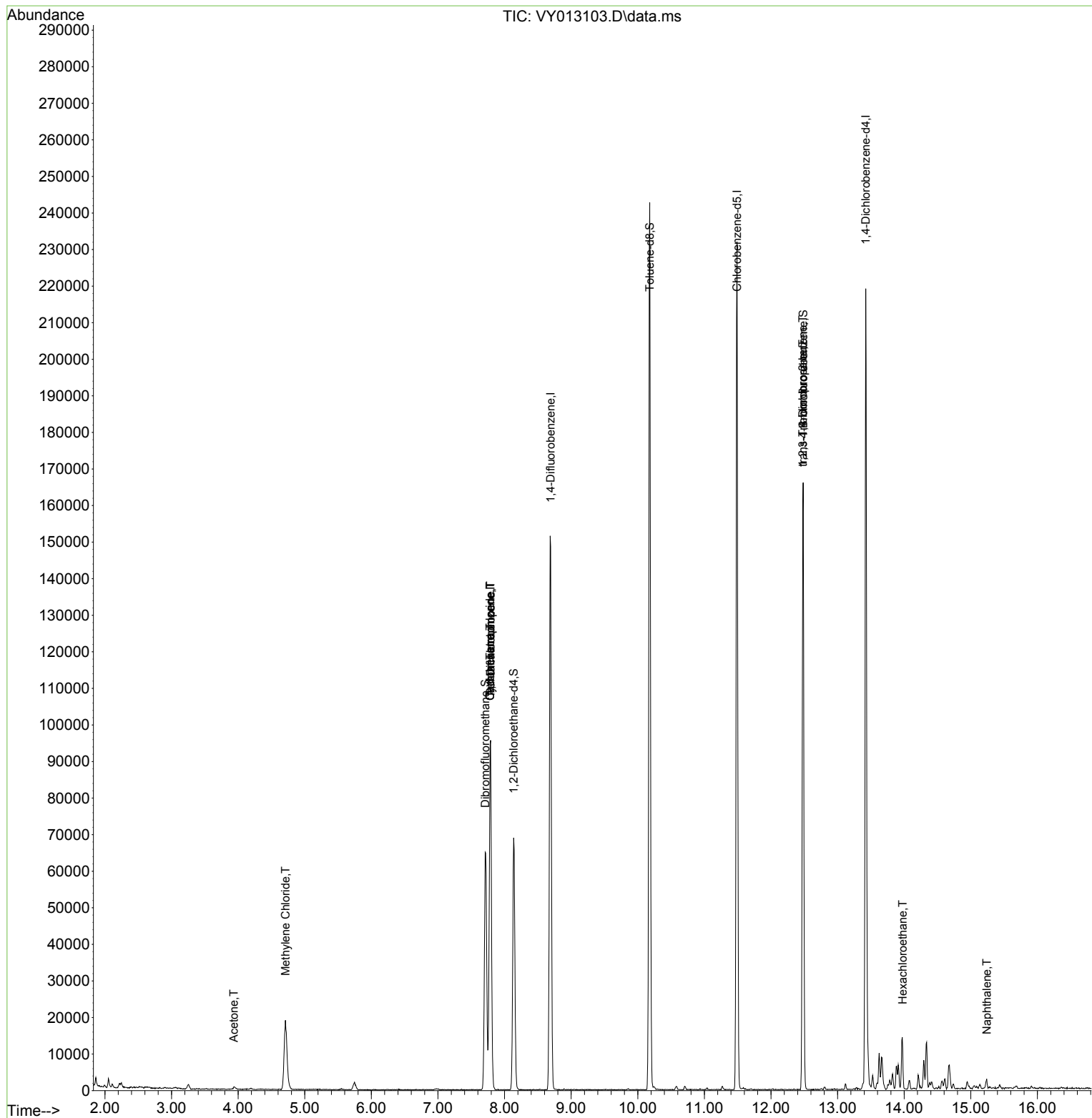
Internal Standards						
1) Pentafluorobenzene	7.789	168	74314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	129133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	121514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	53109	71.979	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.960%			
35) Dibromofluoromethane	7.710	113	46099	59.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.300%			
50) Toluene-d8	10.179	98	157167	55.165	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.340%			
62) 4-Bromofluorobenzene	12.483	95	47611	49.511	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.020%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	52	Below Cal	#	74
16) Acetone	3.936	43	1235	4.264	ug/l #	86
20) Methylene Chloride	4.710	84	12593	9.945	ug/l	90
31) Cyclohexane	7.783	56	1569	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5851	4.480	ug/l #	50
38) Carbon Tetrachloride	7.783	117	7216	5.351	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	24859	37.522	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	24859	77.746	ug/l #	13
90) Hexachloroethane	13.977	117	764	1.050	ug/l #	10
95) Naphthalene	15.239	128	2155	1.049	ug/l	96

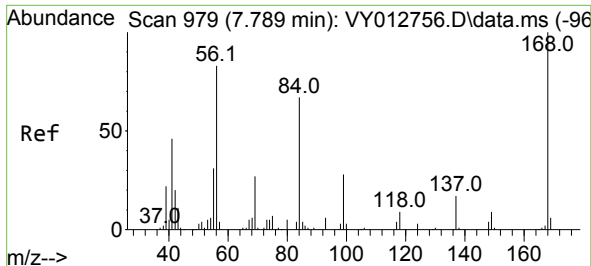
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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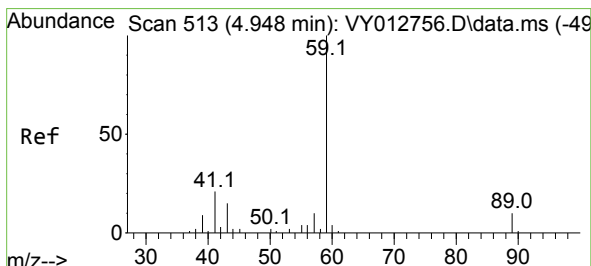
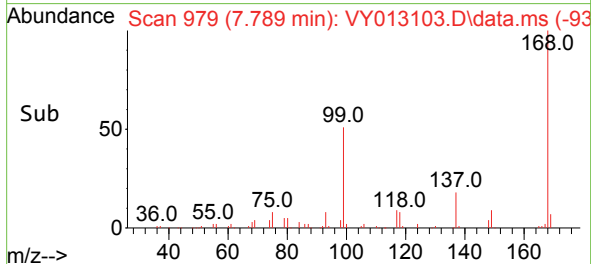
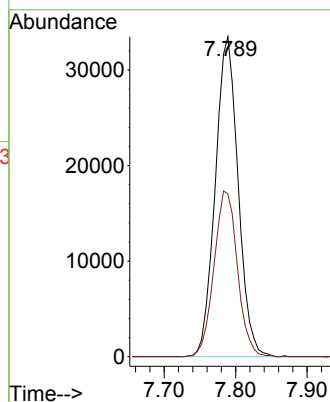
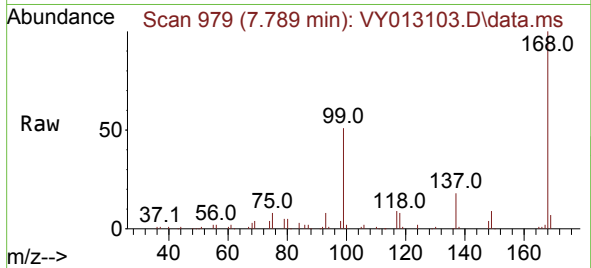




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013103.D
Acq: 27 Mar 2023 19:38

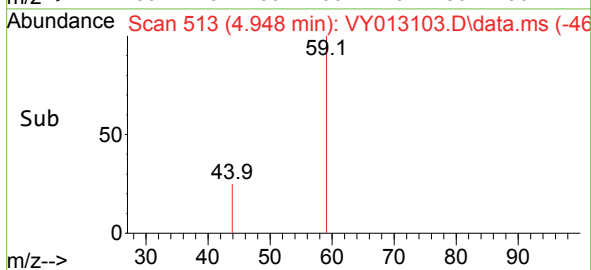
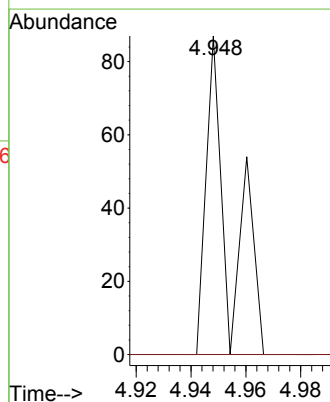
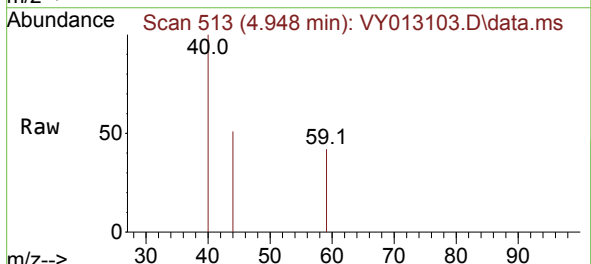
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB01

Tgt Ion:168 Resp: 74314
Ion Ratio Lower Upper
168 100
99 50.8 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY013103.D
Acq: 27 Mar 2023 19:38

Tgt Ion: 59 Resp: 52
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 4.264 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

Instrument :

MSVOA_Y

ClientSampleId :

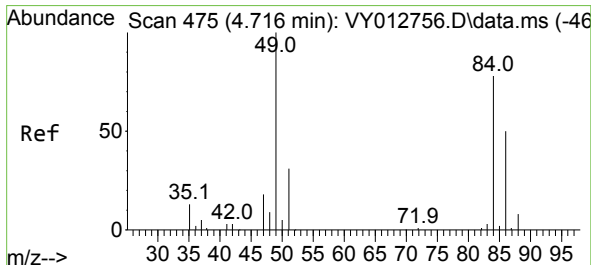
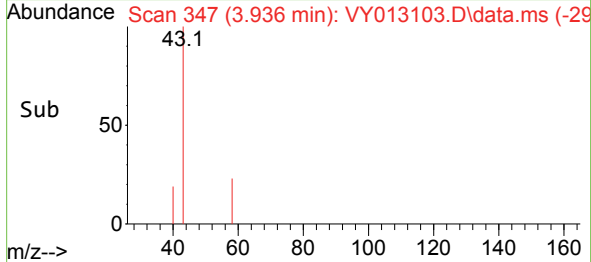
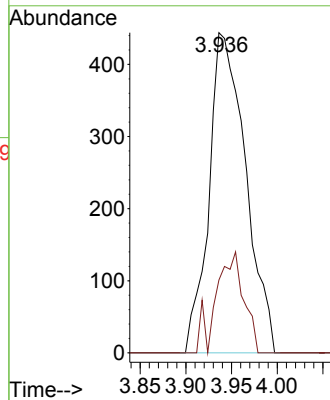
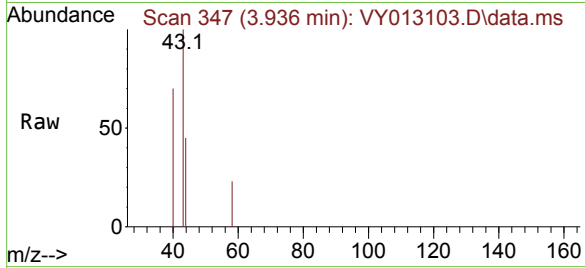
B-30-SB01

Tgt Ion: 43 Resp: 1235

Ion Ratio Lower Upper

43 100

58 22.7 24.2 36.2#



#20

Methylene Chloride

Concen: 9.945 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

Tgt Ion: 84 Resp: 12593

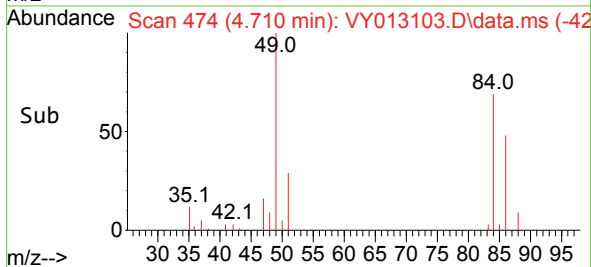
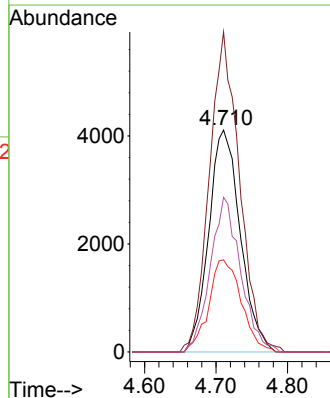
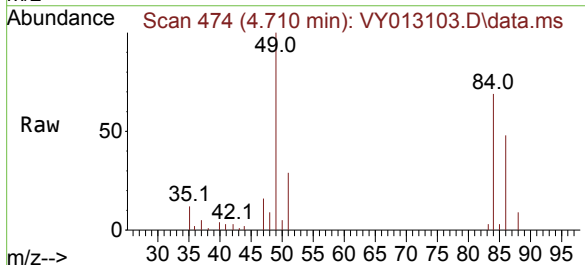
Ion Ratio Lower Upper

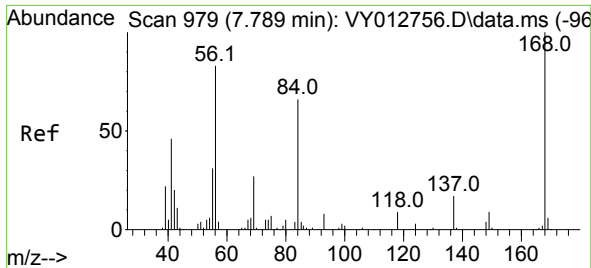
84 100

49 144.2 102.6 154.0

51 41.5 31.9 47.9

86 69.8 51.0 76.6

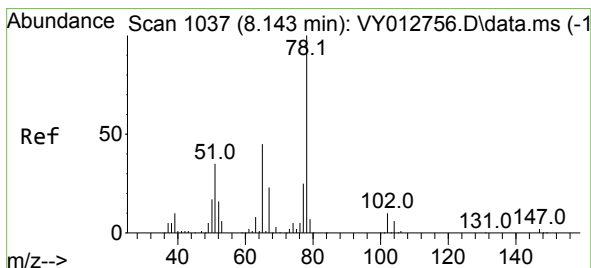
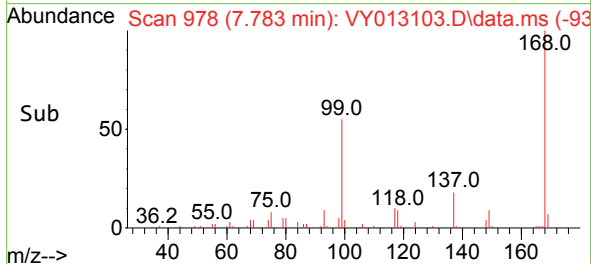
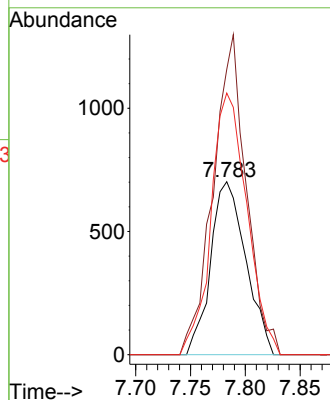
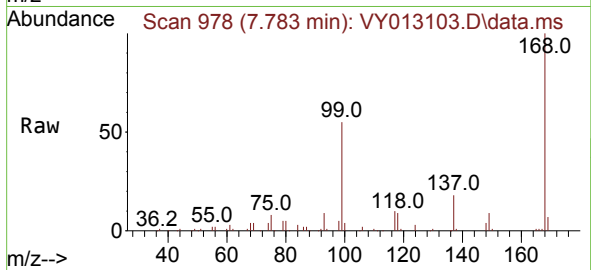




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013103.D
Acq: 27 Mar 2023 19:38

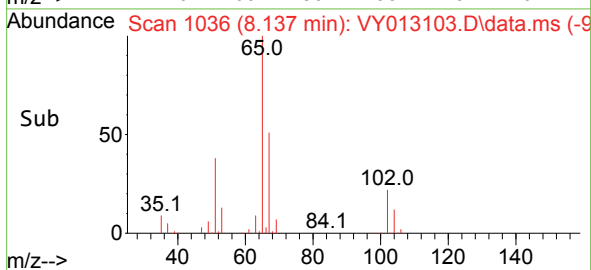
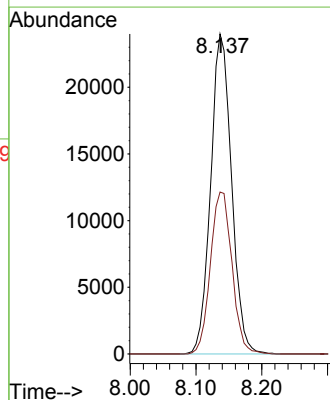
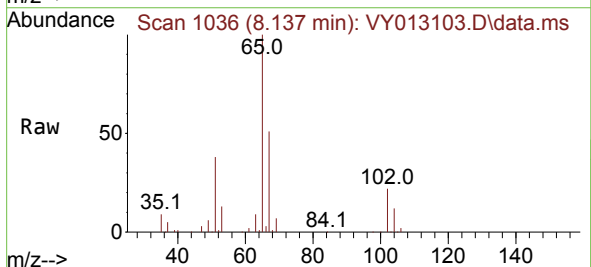
Instrument :
MSVOA_Y
ClientSampleId :
B-30-SB01

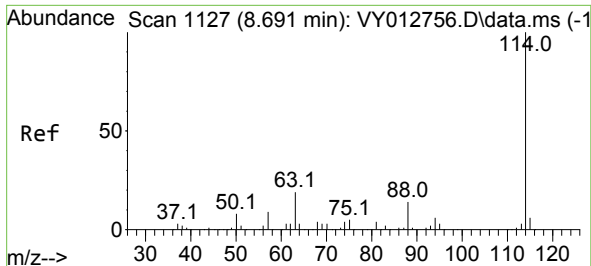
Tgt Ion: 56 Resp: 1569
Ion Ratio Lower Upper
56 100
69 165.0 25.7 38.5#
84 151.3 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 71.979 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY013103.D
Acq: 27 Mar 2023 19:38

Tgt Ion: 65 Resp: 53109
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

Instrument :

MSVOA_Y

ClientSampleId :

B-30-SB01

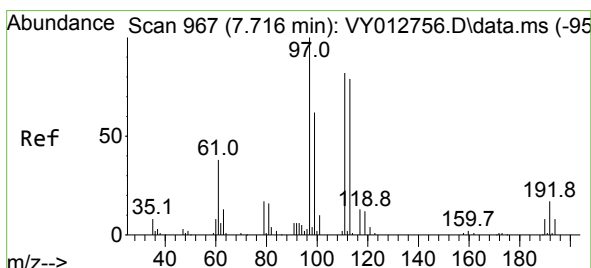
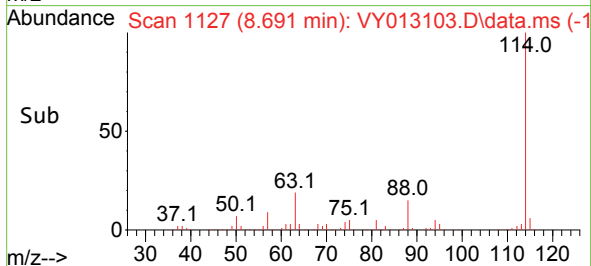
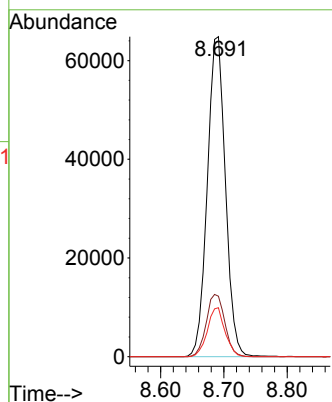
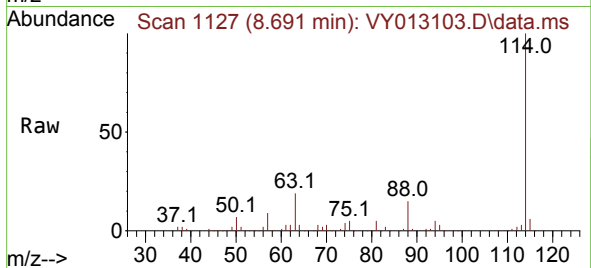
Tgt Ion:114 Resp: 129133

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

88 15.3 0.0 28.6



#35

Dibromofluoromethane

Concen: 59.153 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

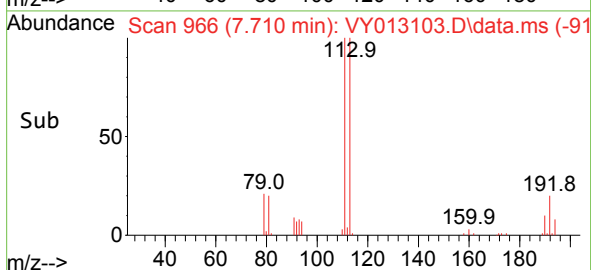
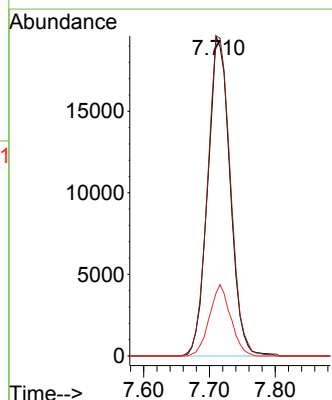
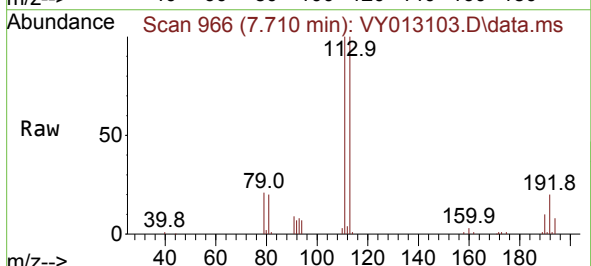
Tgt Ion:113 Resp: 46099

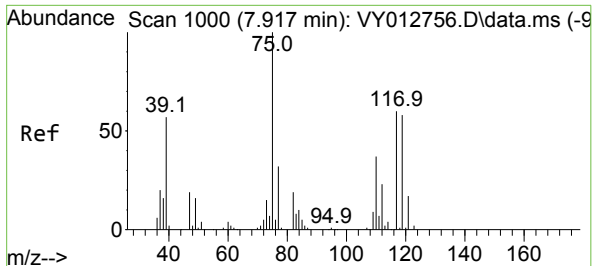
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 21.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.480 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

Instrument :

MSVOA_Y

ClientSampleId :

B-30-SB01

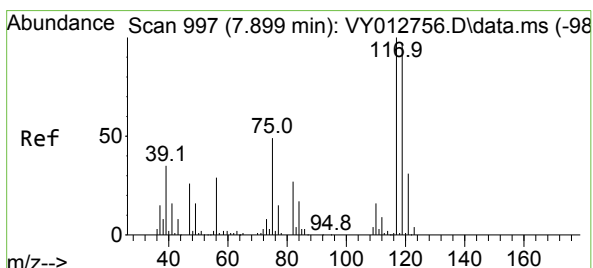
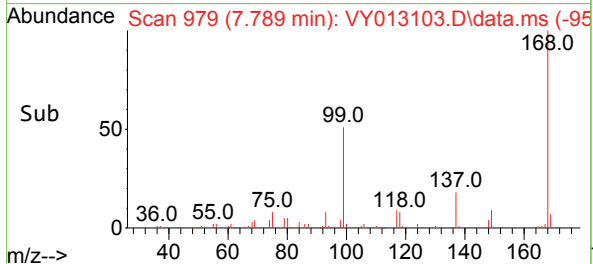
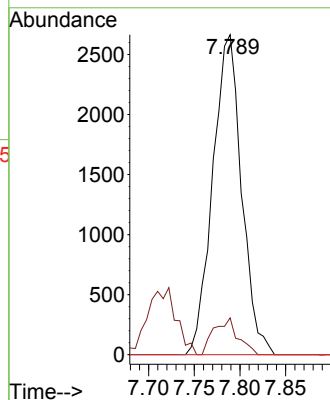
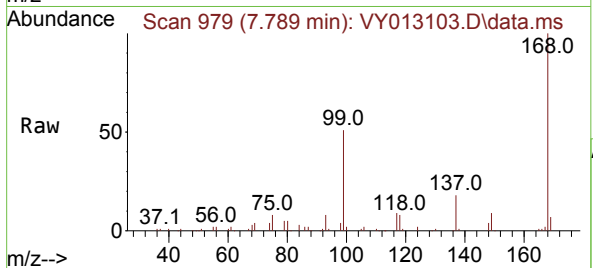
Tgt Ion: 75 Resp: 5851

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.351 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

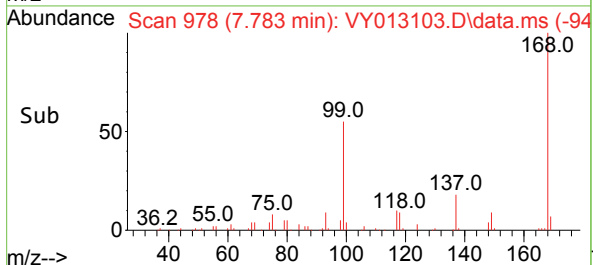
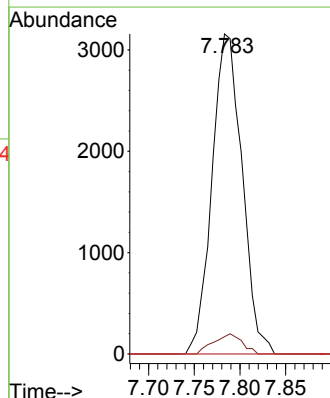
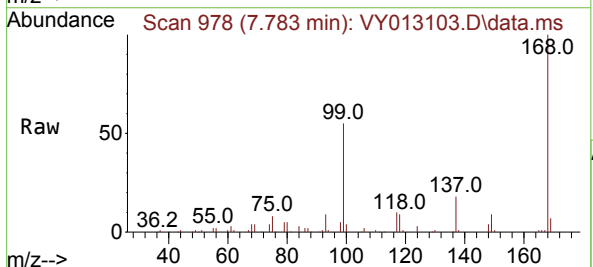
Tgt Ion: 117 Resp: 7216

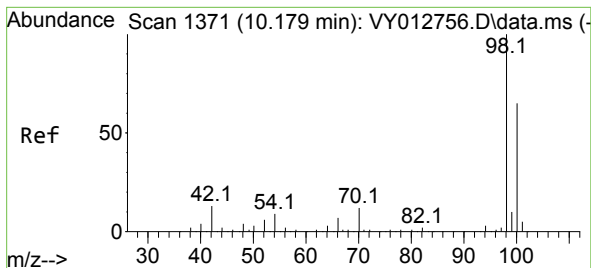
Ion Ratio Lower Upper

117 100

119 5.4 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 55.165 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

Instrument :

MSVOA_Y

ClientSampleId :

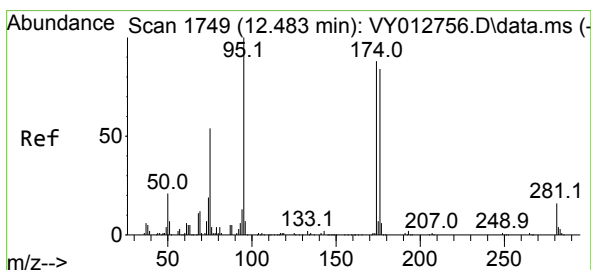
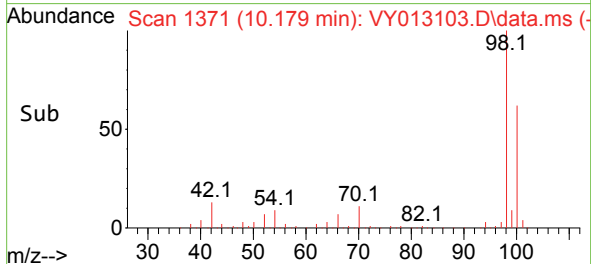
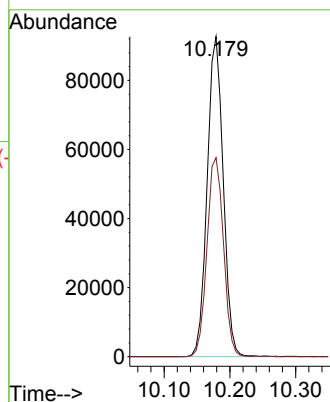
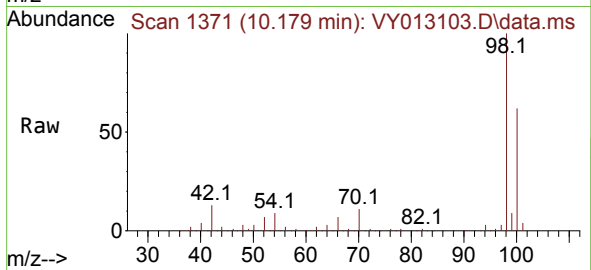
B-30-SB01

Tgt Ion: 98 Resp: 157167

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 49.511 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

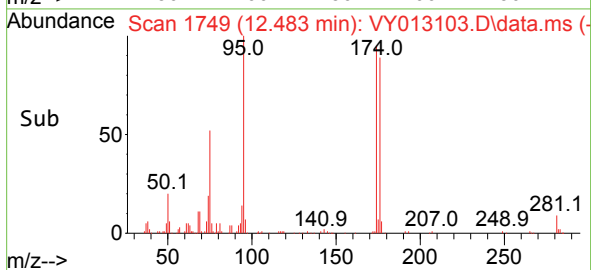
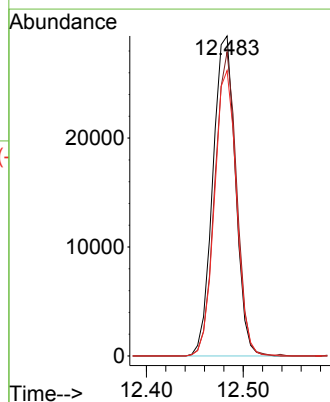
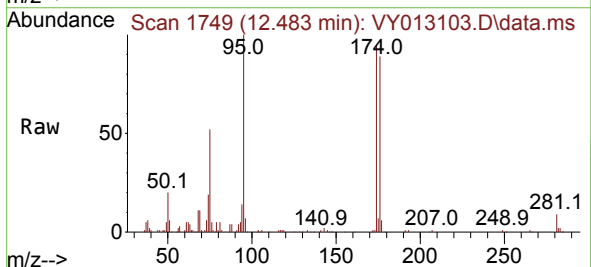
Tgt Ion: 95 Resp: 47611

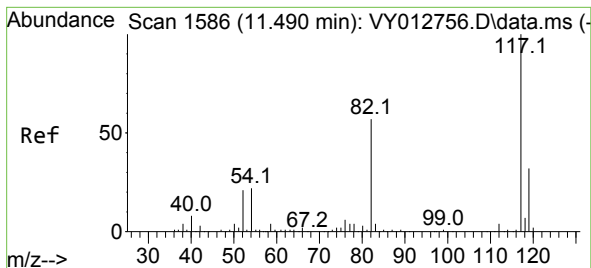
Ion Ratio Lower Upper

95 100

174 91.9 0.0 176.6

176 87.5 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

Instrument :

MSVOA_Y

ClientSampleId :

B-30-SB01

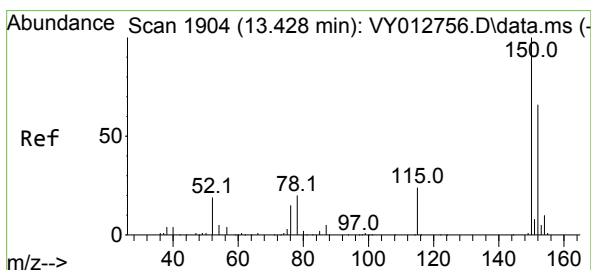
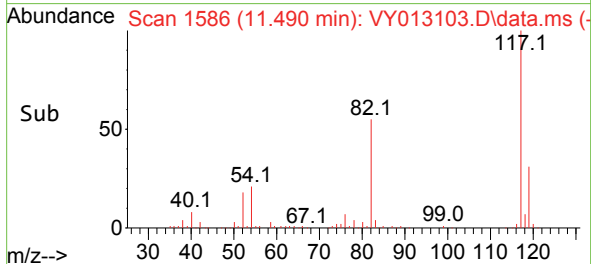
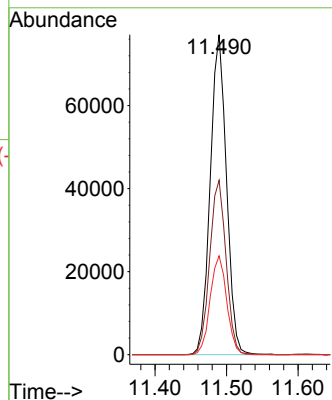
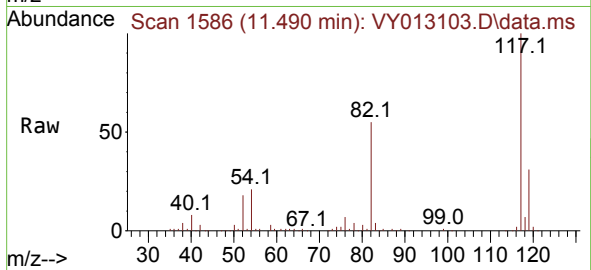
Tgt Ion:117 Resp: 121514

Ion Ratio Lower Upper

117 100

82 54.5 45.4 68.0

119 30.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

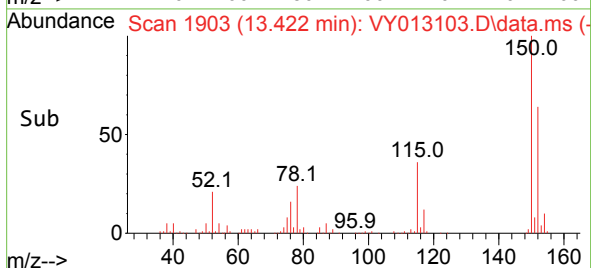
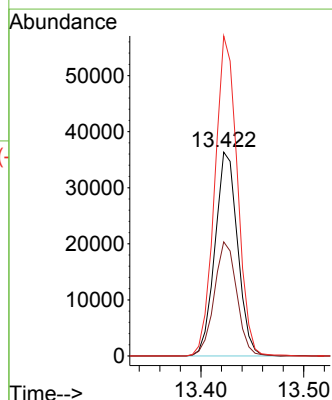
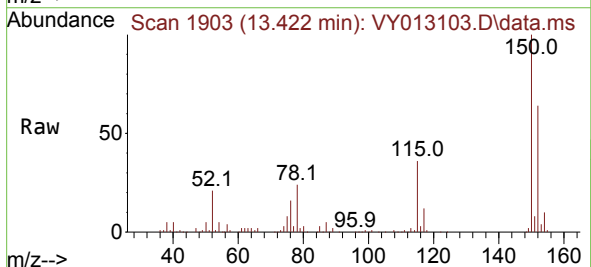
Tgt Ion:152 Resp: 55480

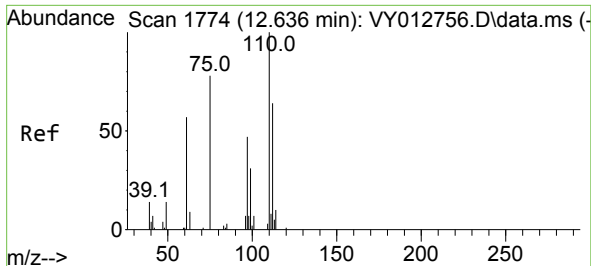
Ion Ratio Lower Upper

152 100

115 55.7 27.1 81.3

150 156.8 0.0 347.8

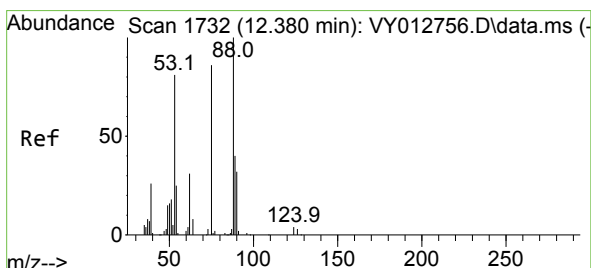
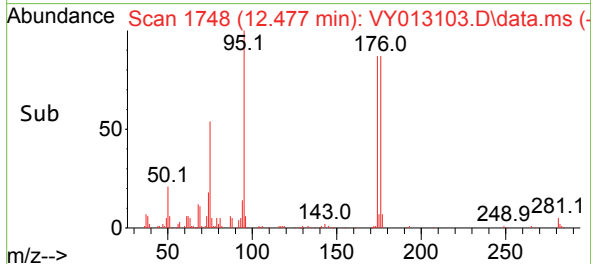
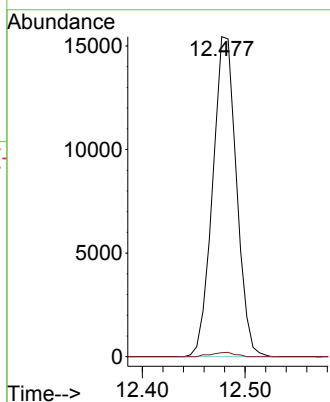
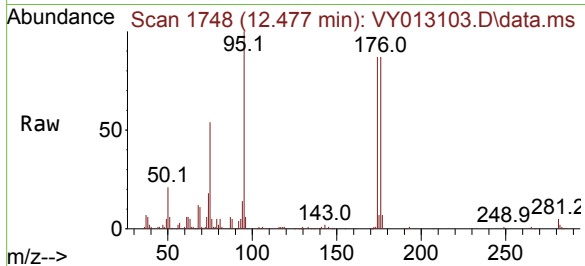




#76
1,2,3-Trichloropropane
Concen: 37.522 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013103.D
Acq: 27 Mar 2023 19:38

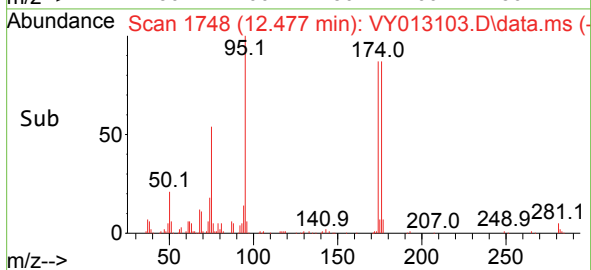
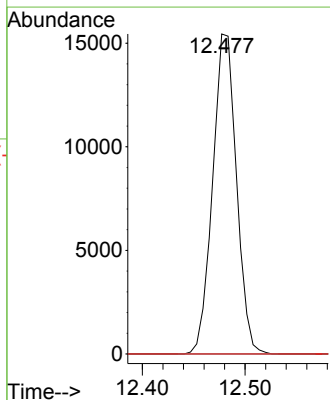
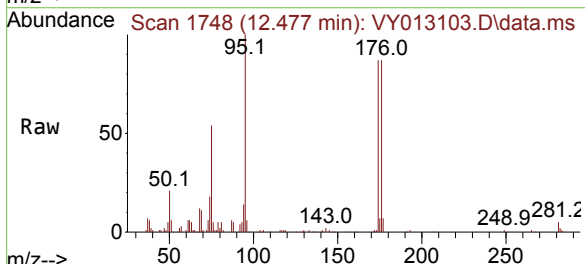
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MSVOA_Y
ClientSampleId :
B-30-SB01

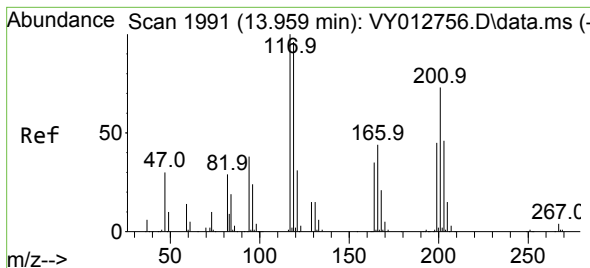
Tgt Ion: 75 Resp: 24859
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.746 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013103.D
Acq: 27 Mar 2023 19:38

Tgt Ion: 75 Resp: 24859
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#





#90

Hexachloroethane

Concen: 1.050 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.018 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

Instrument :

MSVOA_Y

ClientSampleId :

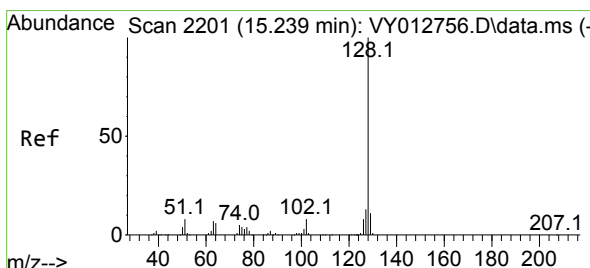
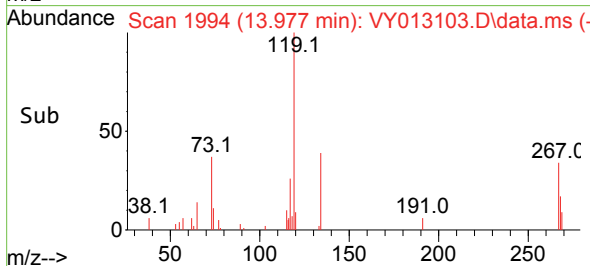
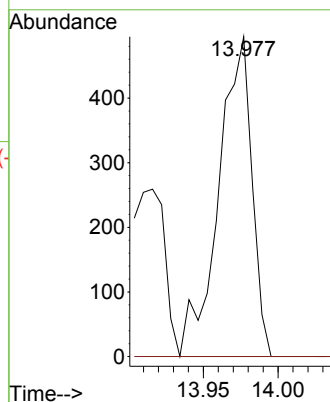
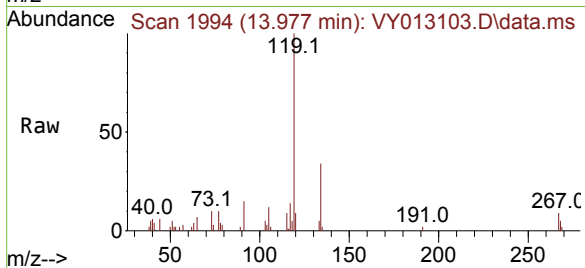
B-30-SB01

Tgt Ion:117 Resp: 764

Ion Ratio Lower Upper

117 100

201 0.0 39.4 118.1#



#95

Naphthalene

Concen: 1.049 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY013103.D

Acq: 27 Mar 2023 19:38

Tgt Ion:128 Resp: 2155

Ion Ratio Lower Upper

128 100

127 15.4 10.3 15.5

129 10.0 8.6 13.0

