

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031723\
 Data File : VY012998.D
 Acq On : 17 Mar 2023 19:43
 Operator : KP/MD
 Sample : 01998-07
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 05:49:53 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)

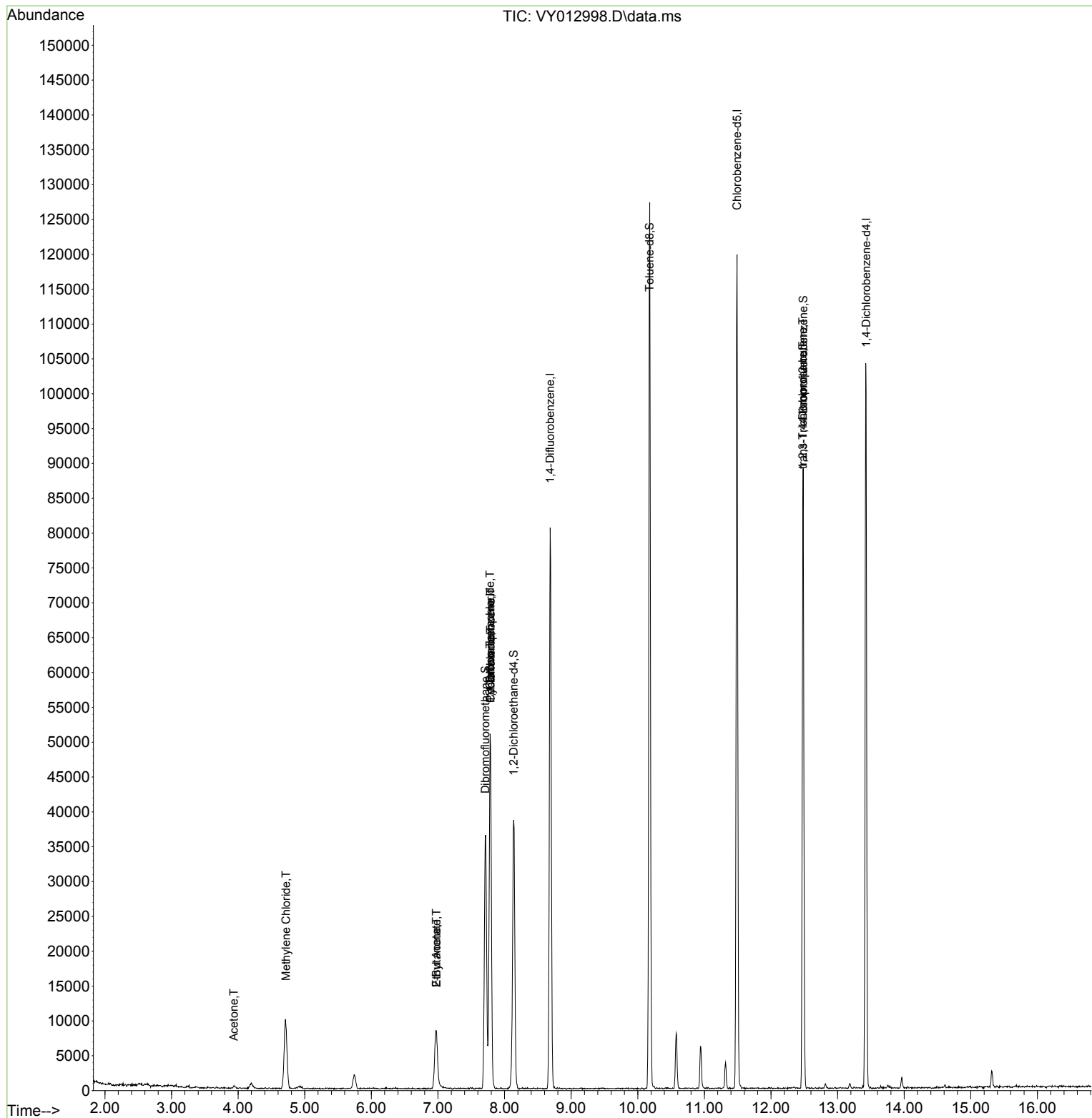
Internal Standards						
1) Pentafluorobenzene	7.789	168	40482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	67780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	63801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	27033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	29773	74.074	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.140%			
35) Dibromofluoromethane	7.710	113	25717	62.870	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.740%			
50) Toluene-d8	10.179	98	81740	54.661	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.320%			
62) 4-Bromofluorobenzene	12.483	95	24598	48.734	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.460%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.930	59	145	Below Cal	#	74
16) Acetone	3.936	43	466	2.954	ug/l	89
20) Methylene Chloride	4.716	84	7012	10.299	ug/l	92
25) 2-Butanone	6.978	43	597	3.055	ug/l #	49
31) Cyclohexane	7.789	56	987	1.282	ug/l #	10
36) 1,1-Dichloropropene	7.789	75	3021	4.407	ug/l #	50
37) Ethyl Acetate	6.978	43	597	1.382	ug/l #	1
38) Carbon Tetrachloride	7.783	117	4033	5.697	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	12699	39.338	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	12699	81.510	ug/l #	13

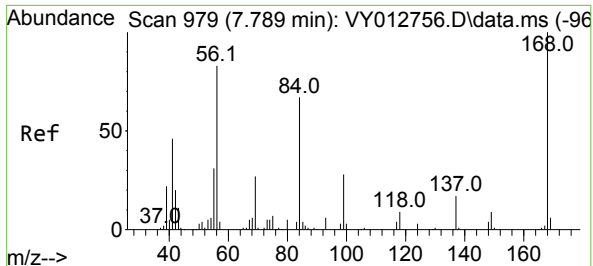
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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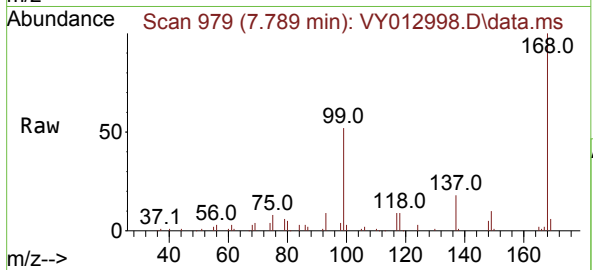
Quant Time: Mar 18 05:49:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration



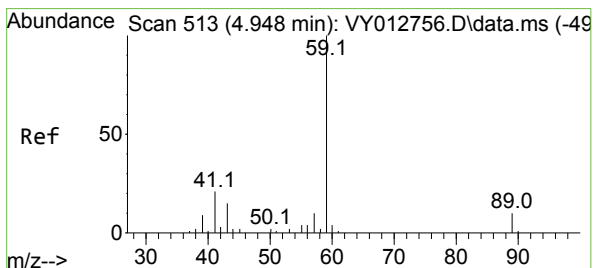
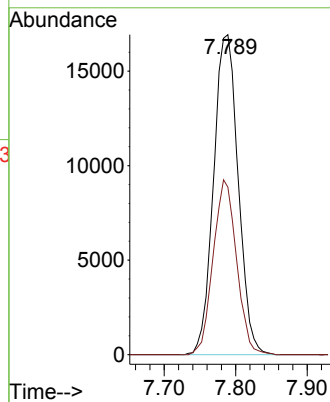
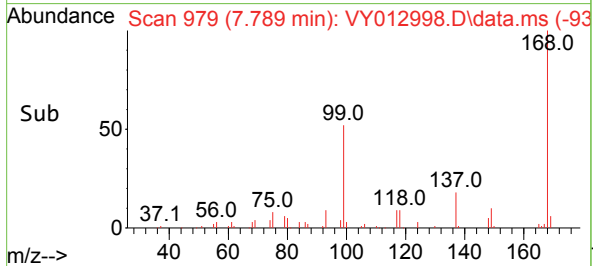


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :

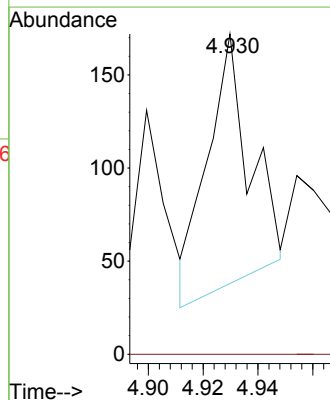
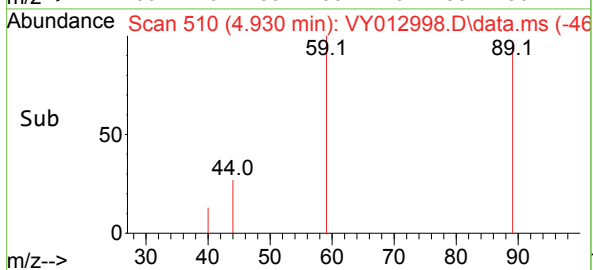
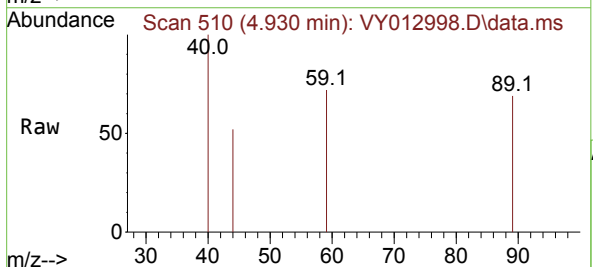


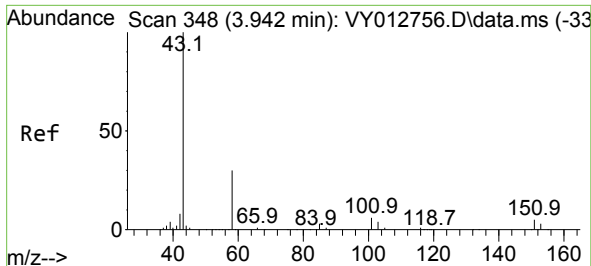
Tgt Ion:168 Resp: 40482
Ion Ratio Lower Upper
168 100
99 52.4 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

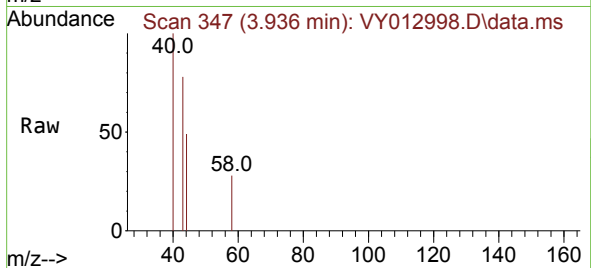
Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



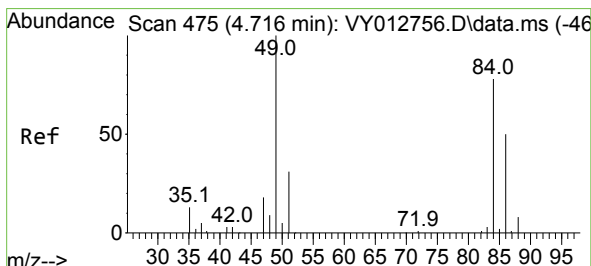
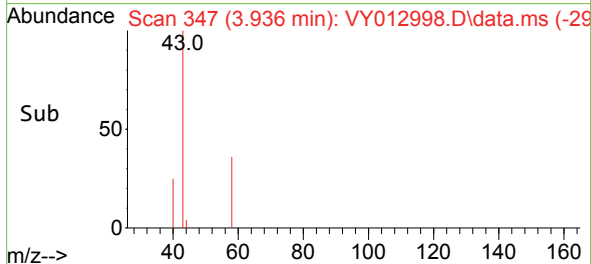
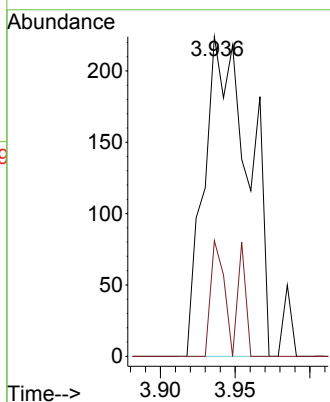


#16
Acetone
Concen: 2.954 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :

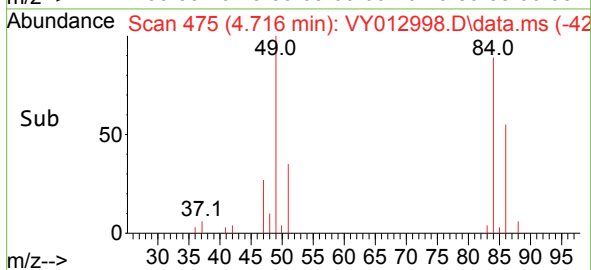
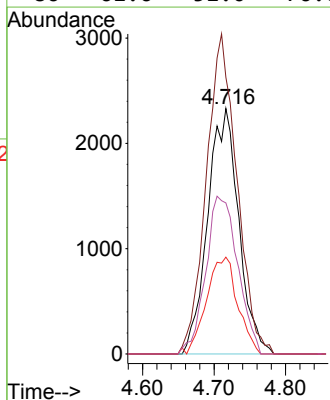
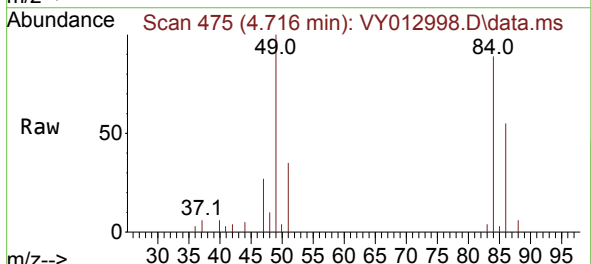


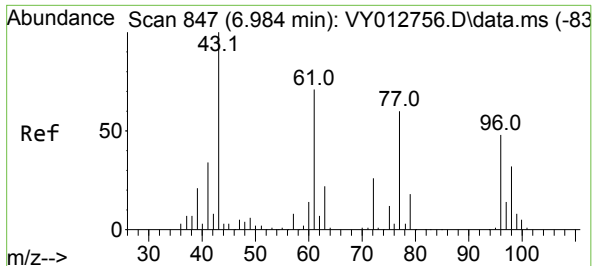
Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
58 36.2 24.2 36.2



#20
Methylene Chloride
Concen: 10.299 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

Tgt Ion: 84 Resp: 7012
Ion Ratio Lower Upper
84 100
49 112.7 102.6 154.0
51 39.4 31.9 47.9
86 61.6 51.0 76.6





#25

2-Butanone

Concen: 3.055 ug/l

RT: 6.978 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY012998.D

Acq: 17 Mar 2023 19:43

Instrument :

MSVOA_Y

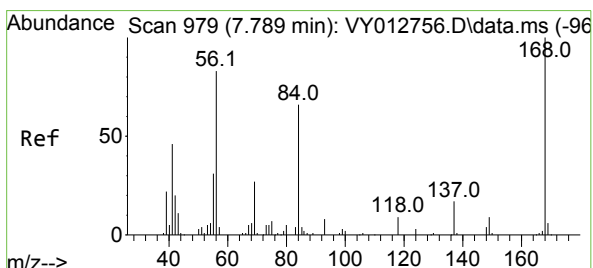
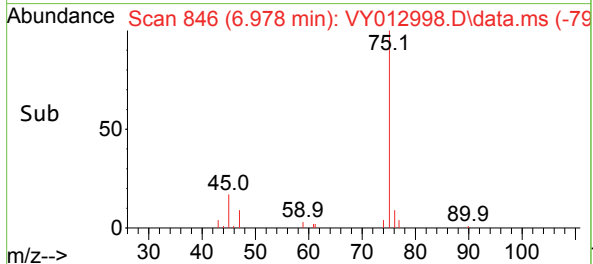
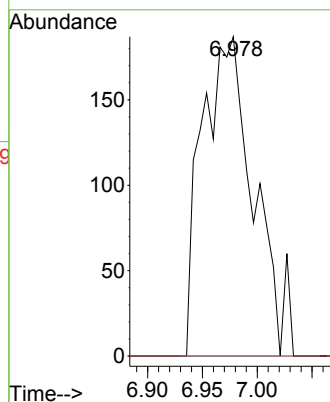
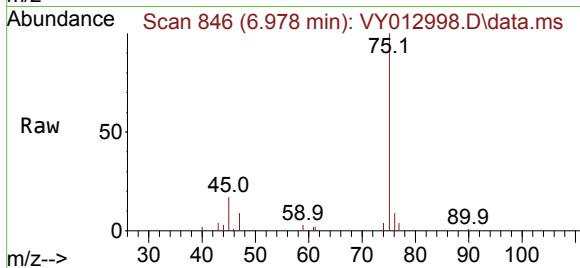
ClientSampleId :

Tgt Ion: 43 Resp: 597

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.282 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY012998.D

Acq: 17 Mar 2023 19:43

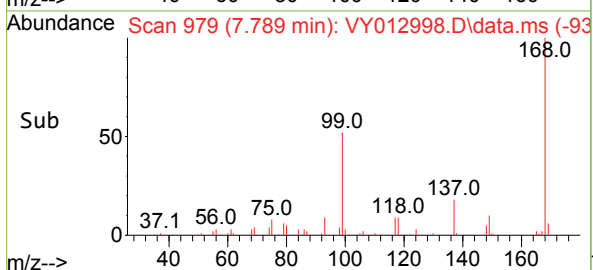
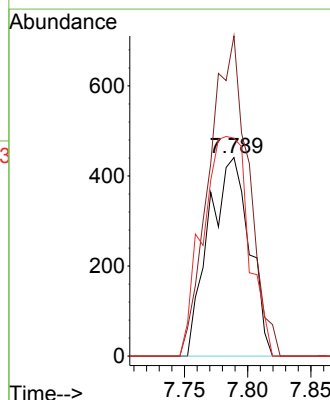
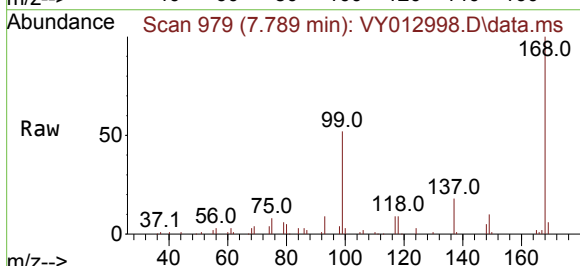
Tgt Ion: 56 Resp: 987

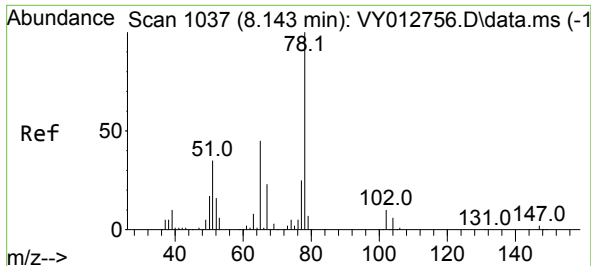
Ion Ratio Lower Upper

56 100

69 161.2 25.7 38.5#

84 109.8 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 74.074 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012998.D

Acq: 17 Mar 2023 19:43

Instrument :

MSVOA_Y

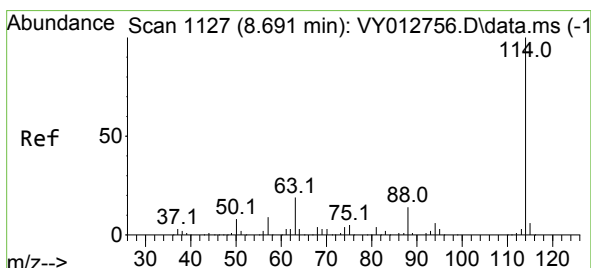
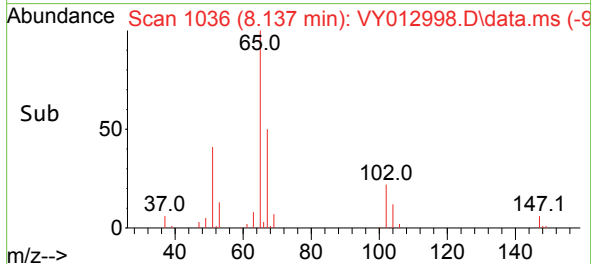
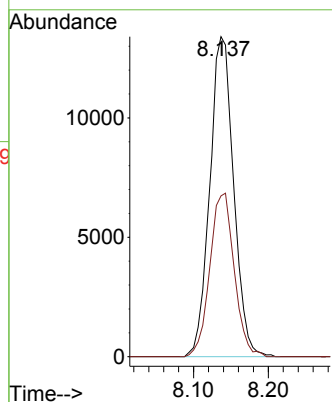
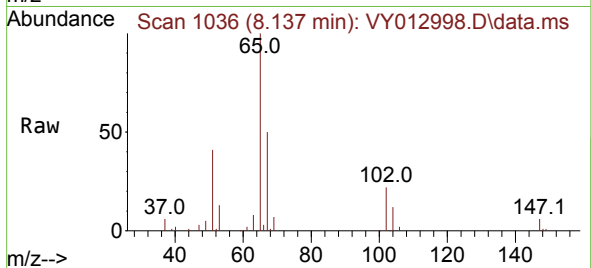
ClientSampleId :

Tgt Ion: 65 Resp: 29773

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012998.D

Acq: 17 Mar 2023 19:43

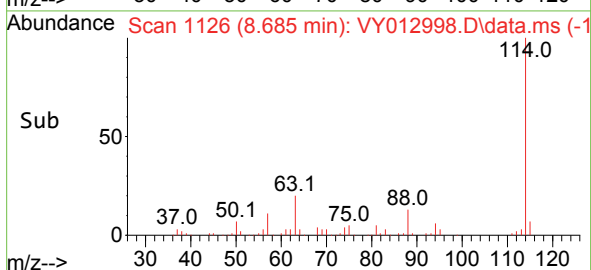
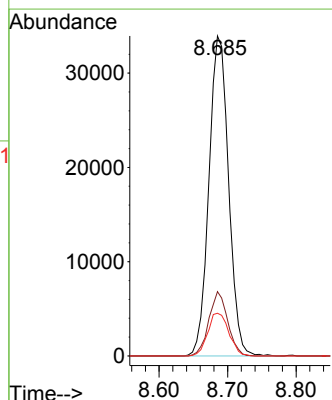
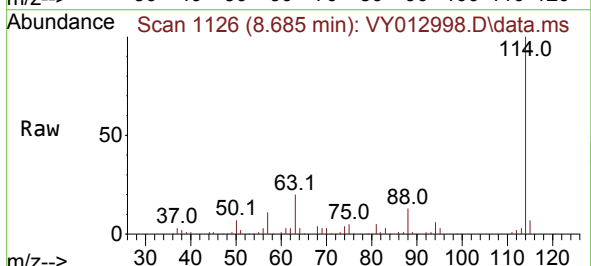
Tgt Ion: 114 Resp: 67780

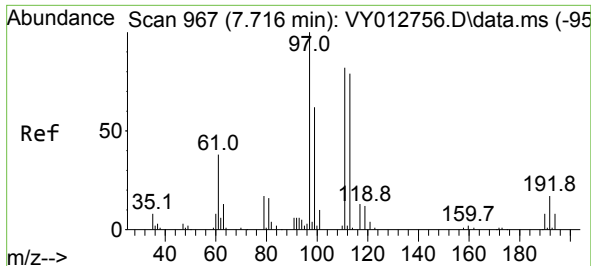
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

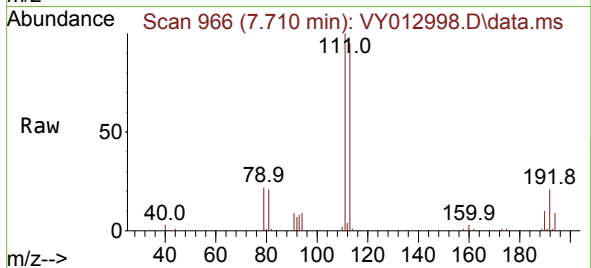
88 13.3 0.0 28.6



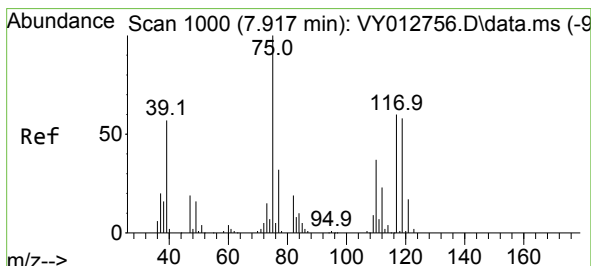
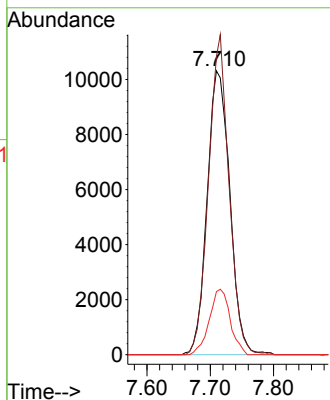
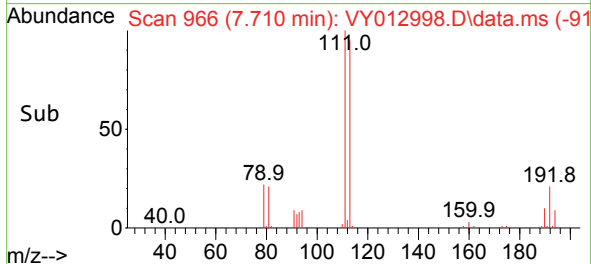


#35
Dibromofluoromethane
Concen: 62.870 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :

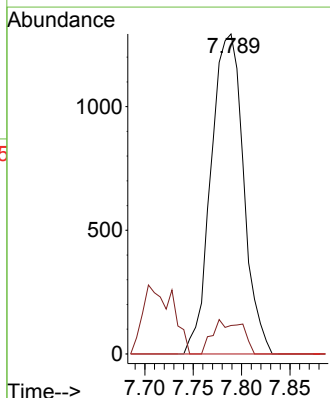
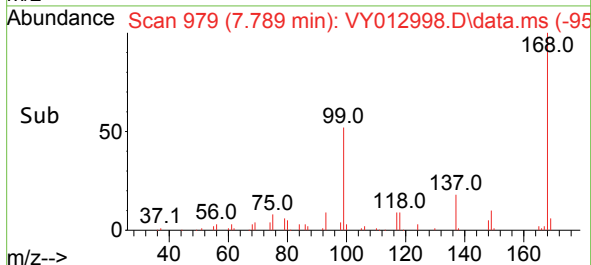
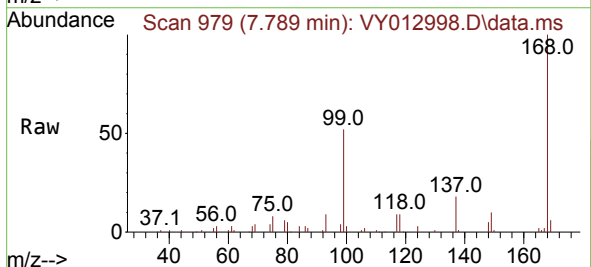


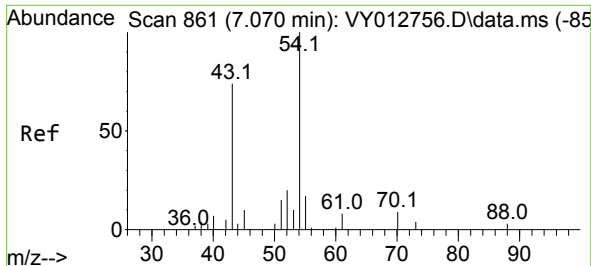
Tgt Ion:113 Resp: 25717
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 21.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.407 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

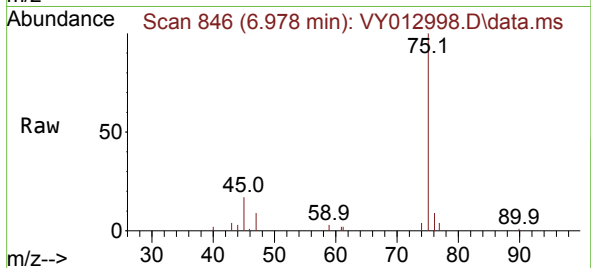
Tgt Ion: 75 Resp: 3021
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 25.0 37.4#



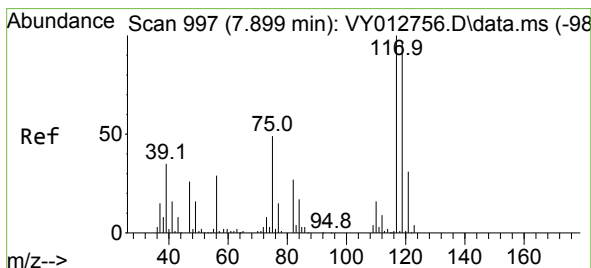
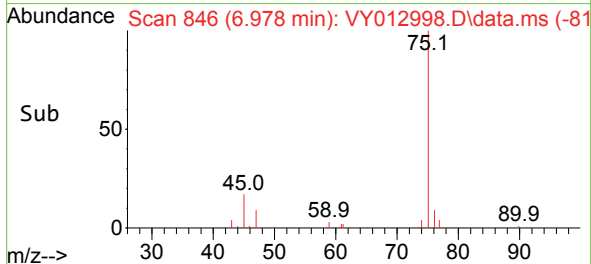
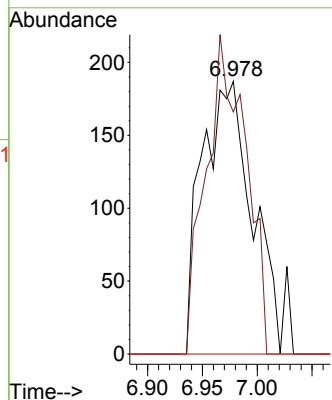


#37
Ethyl Acetate
Concen: 1.382 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.091 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :

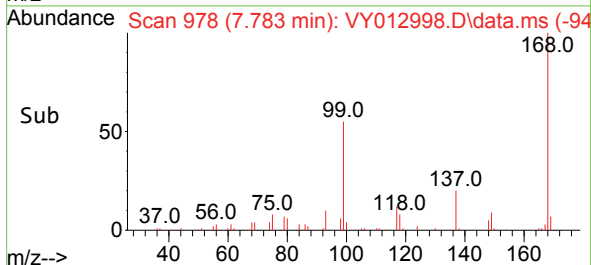
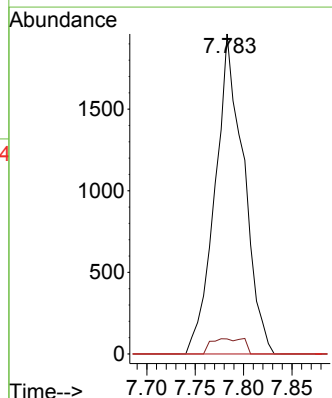
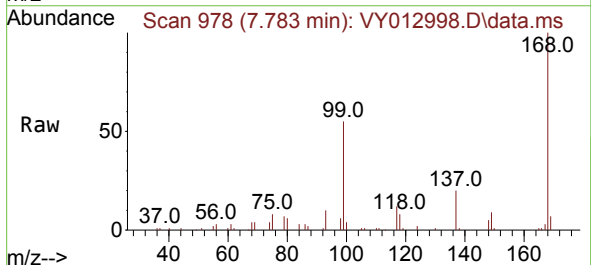


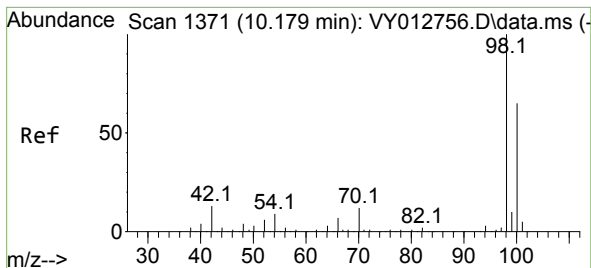
Tgt Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
61 93.0 10.7 16.1#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

Tgt Ion: 117 Resp: 4033
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 54.661 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012998.D

Acq: 17 Mar 2023 19:43

Instrument :

MSVOA_Y

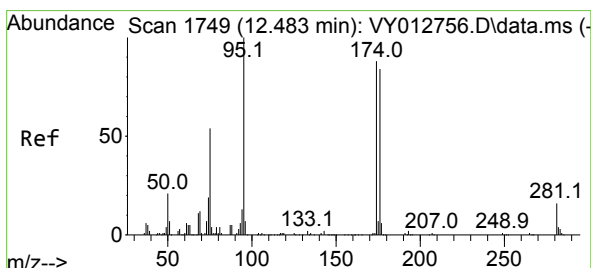
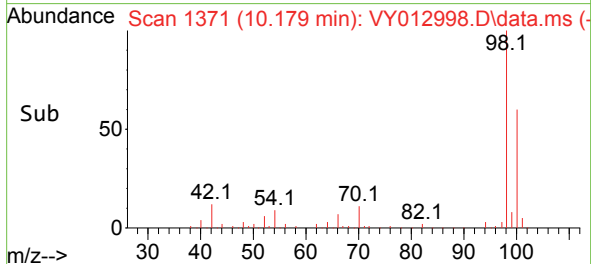
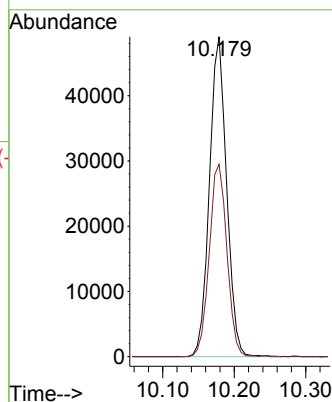
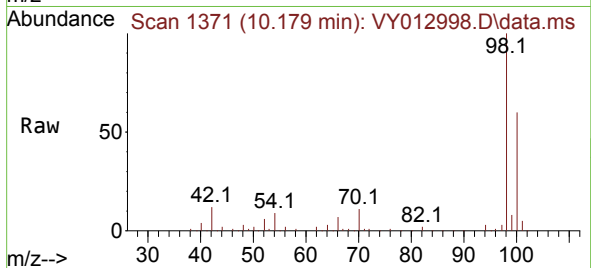
ClientSampleId :

Tgt Ion: 98 Resp: 81740

Ion Ratio Lower Upper

98 100

100 61.8 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 48.734 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012998.D

Acq: 17 Mar 2023 19:43

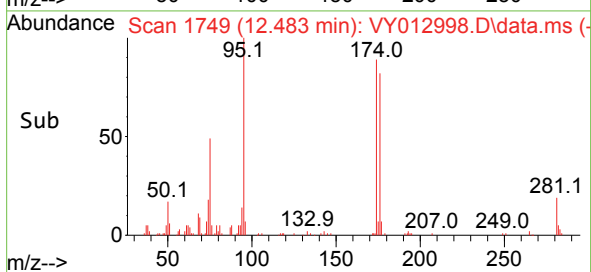
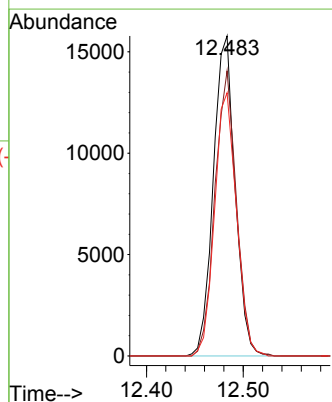
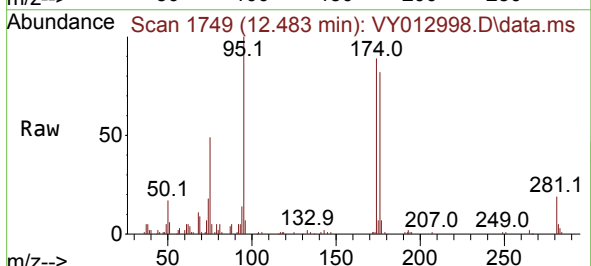
Tgt Ion: 95 Resp: 24598

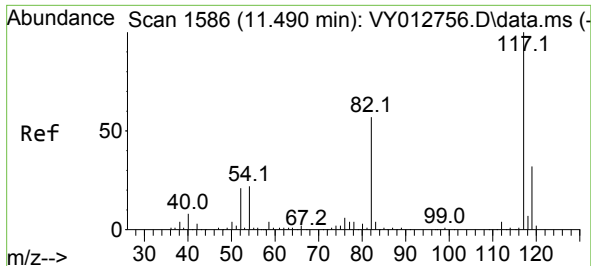
Ion Ratio Lower Upper

95 100

174 88.2 0.0 176.6

176 83.2 0.0 170.2

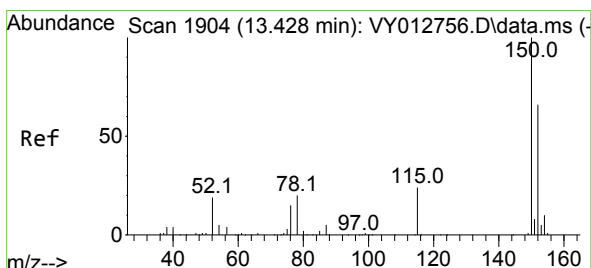
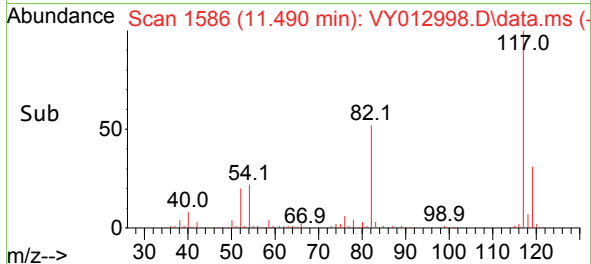
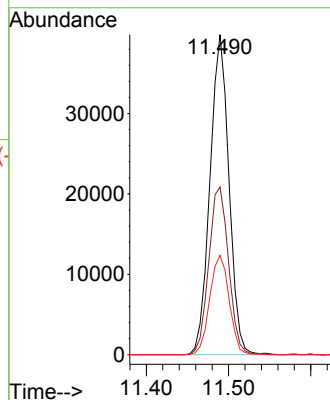
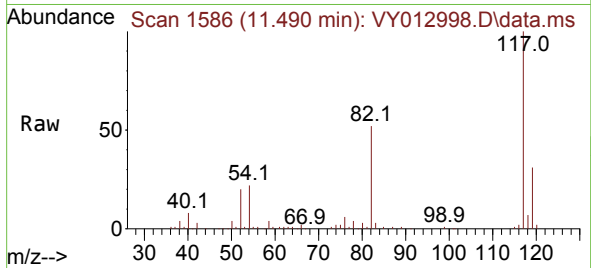




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

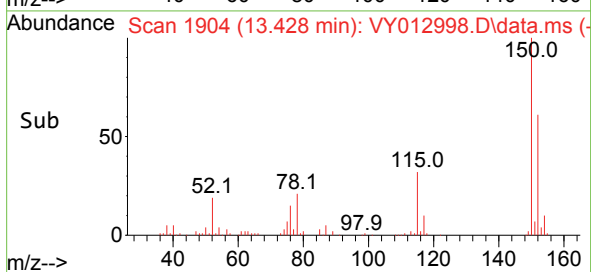
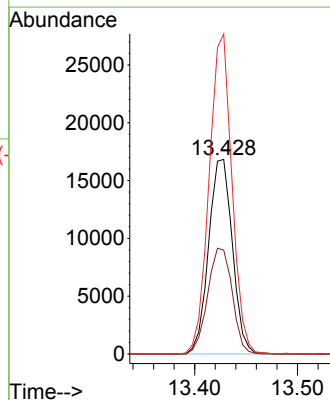
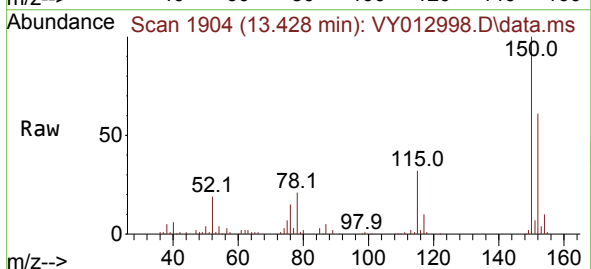
Instrument :
MSVOA_Y
ClientSampleId :

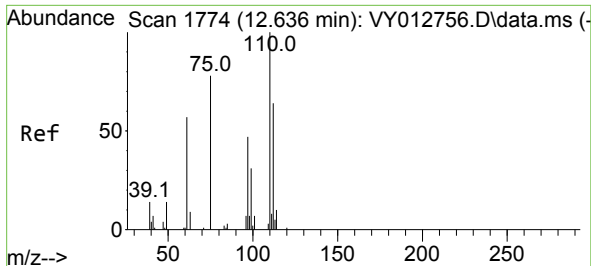
Tgt Ion:117 Resp: 63801
Ion Ratio Lower Upper
117 100
82 52.4 45.4 68.0
119 31.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

Tgt Ion:152 Resp: 27033
Ion Ratio Lower Upper
152 100
115 56.0 27.1 81.3
150 157.4 0.0 347.8

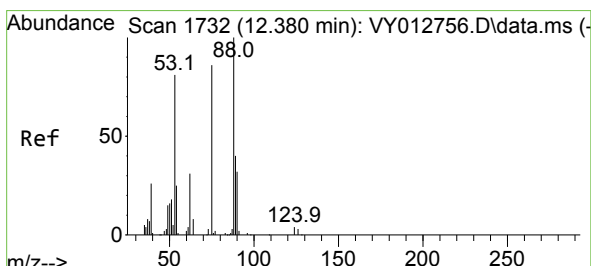
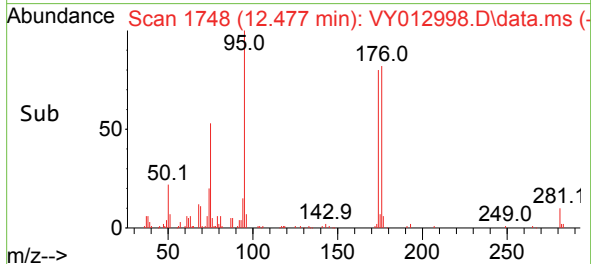
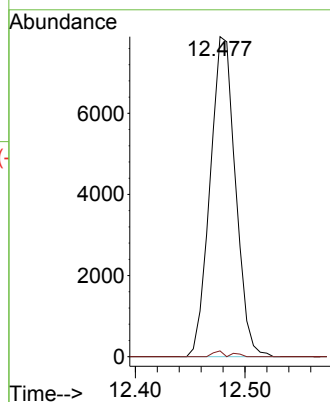
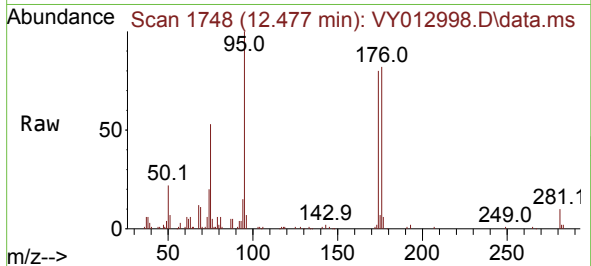




#76
1,2,3-Trichloropropane
Concen: 39.338 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 12699
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.510 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012998.D
Acq: 17 Mar 2023 19:43

Tgt Ion: 75 Resp: 12699
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

