

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022156.D
 Acq On : 05 May 2025 13:58
 Operator : SY/MD
 Sample : Q1938-04
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOWER-WALL-PILE-B

Quant Time: May 06 05:21:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

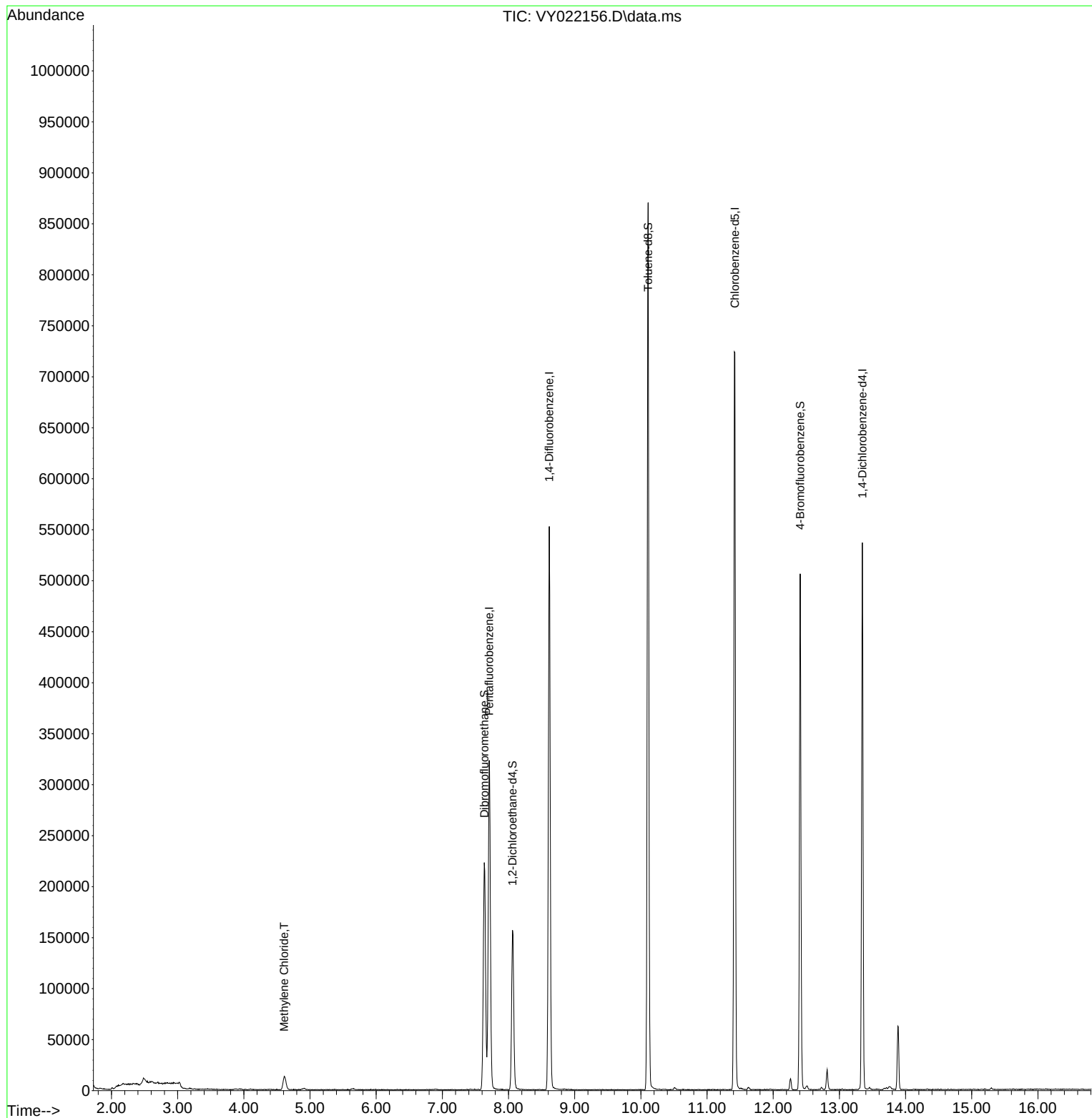
Internal Standards						
1) Pentafluorobenzene	7.707	168	247569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	475913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	407953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	135235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124108	54.273	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.540%
35) Dibromofluoromethane	7.634	113	159708	50.796	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.600%
50) Toluene-d8	10.109	98	571643	48.226	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.460%
62) 4-Bromofluorobenzene	12.407	95	148871	37.308	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.620%
Target Compounds						
20) Methylene Chloride	4.610	84	10455	3.616	ug/l	95

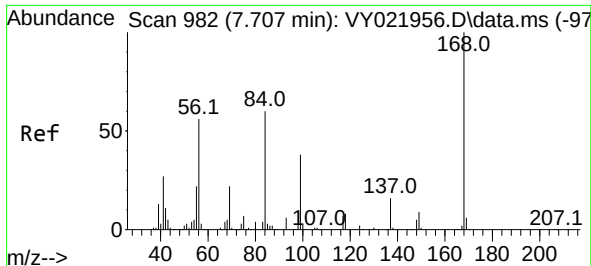
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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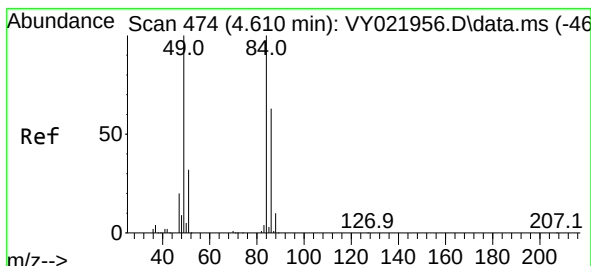
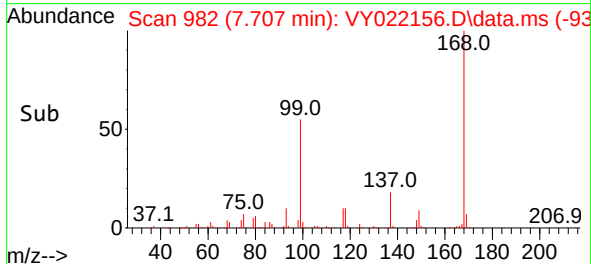
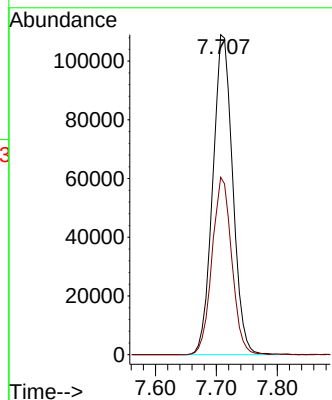
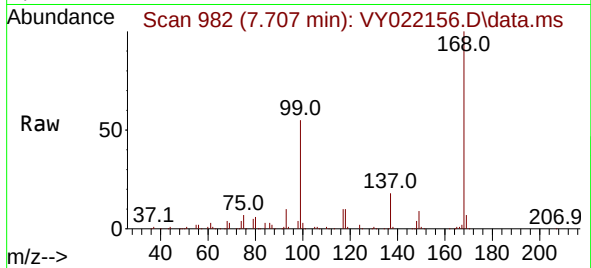




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

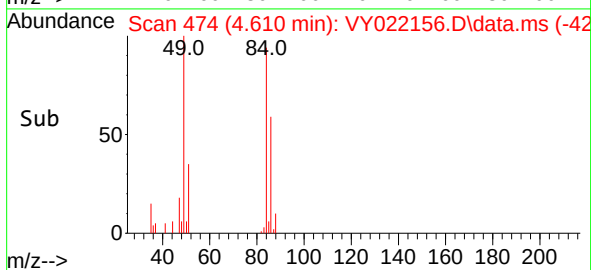
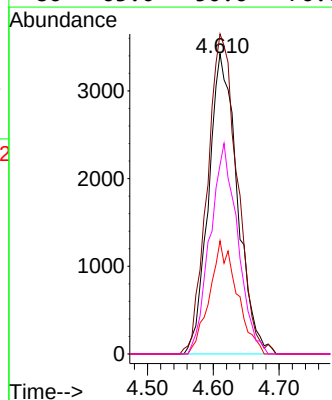
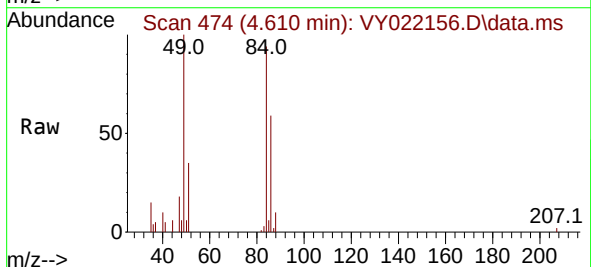
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

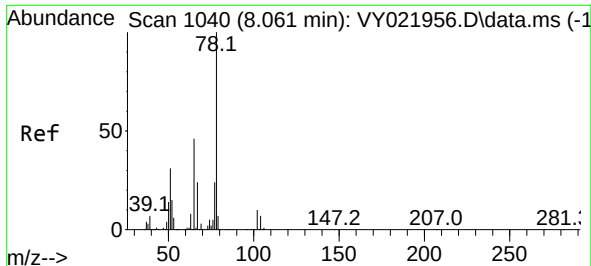
Tgt Ion:168 Resp: 247569
Ion Ratio Lower Upper
168 100
99 55.5 43.1 64.7



#20
Methylene Chloride
Concen: 3.616 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

Tgt Ion: 84 Resp: 10455
Ion Ratio Lower Upper
84 100
49 106.6 79.9 119.9
51 37.7 25.4 38.0
86 63.0 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 54.273 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022156.D

Acq: 05 May 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

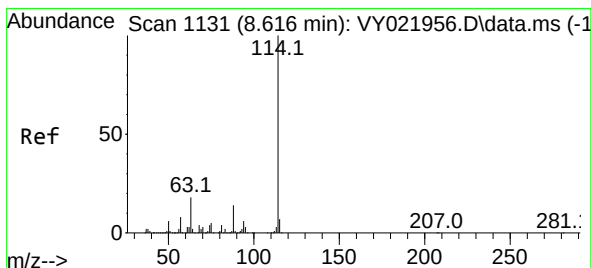
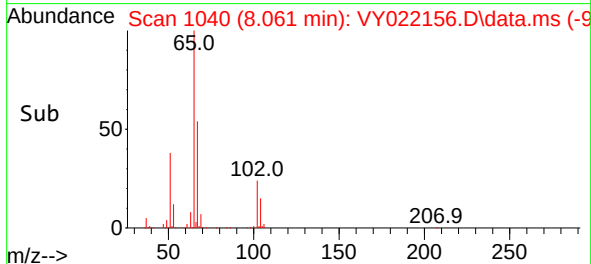
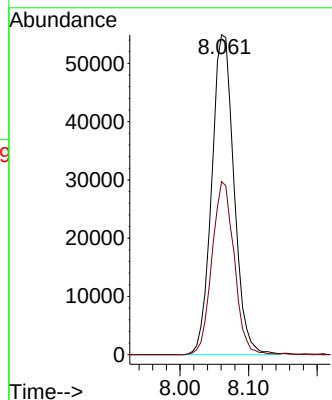
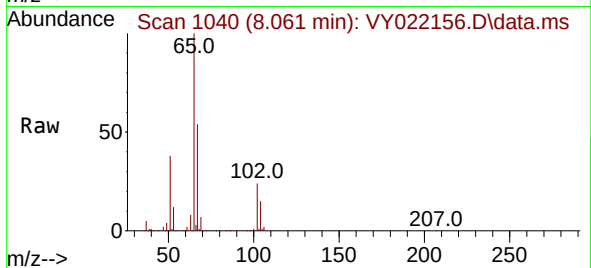
LOWER-WALL-PILE-B

Tgt Ion: 65 Resp: 124108

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022156.D

Acq: 05 May 2025 13:58

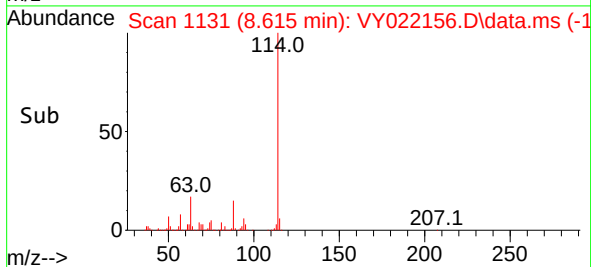
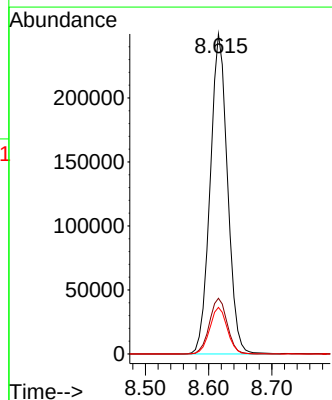
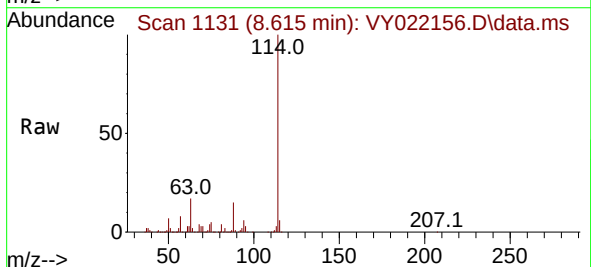
Tgt Ion: 114 Resp: 475913

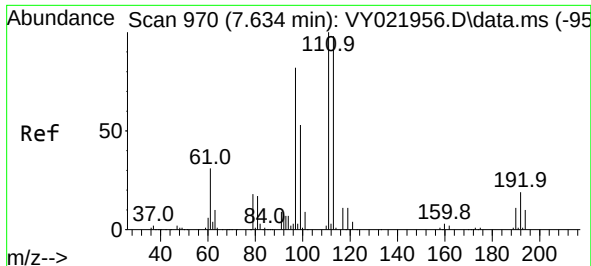
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.6 0.0 28.2

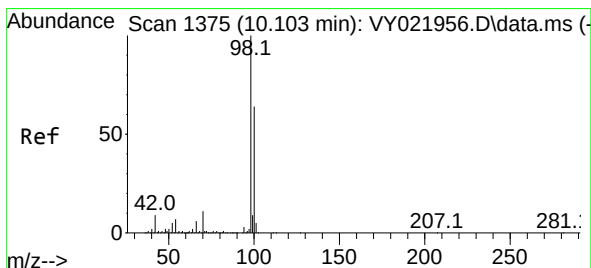
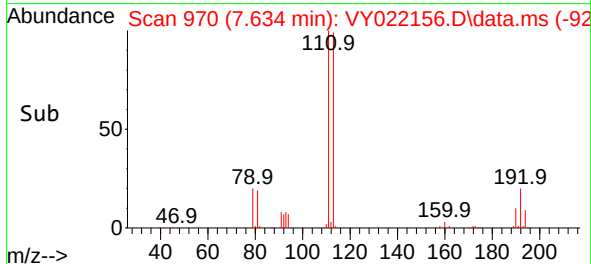
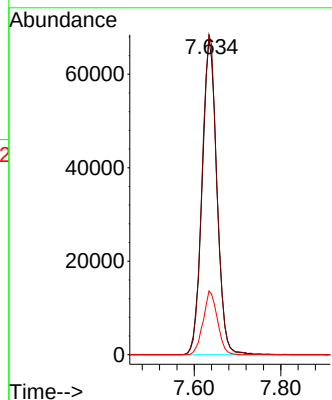
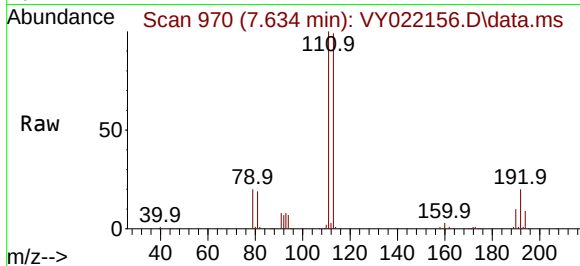




#35
Dibromofluoromethane
Concen: 50.796 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

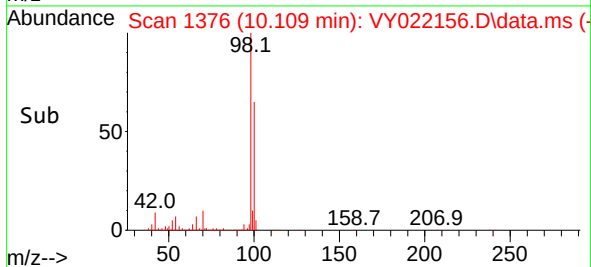
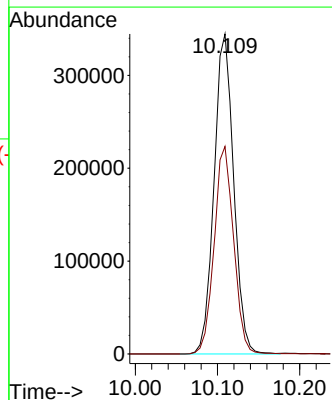
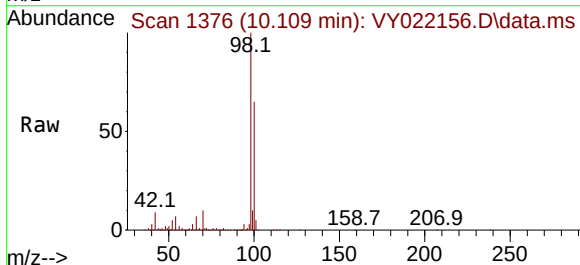
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

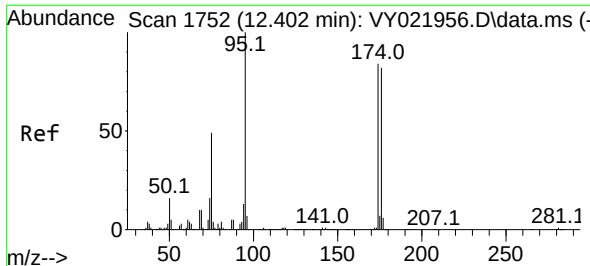
Tgt Ion:113 Resp: 159708
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.8
192 19.4 15.6 23.4



#50
Toluene-d8
Concen: 48.226 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

Tgt Ion: 98 Resp: 571643
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

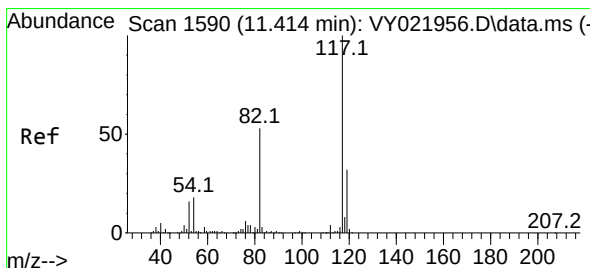
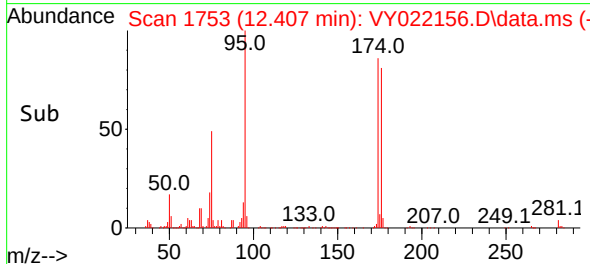
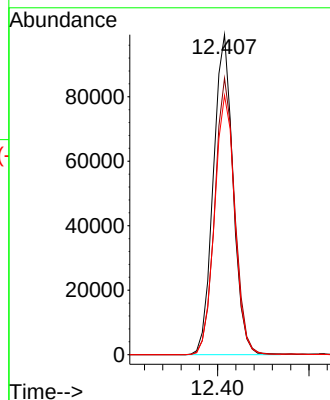
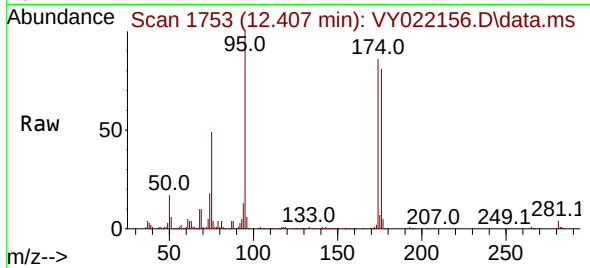




#62
4-Bromofluorobenzene
Concen: 37.308 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

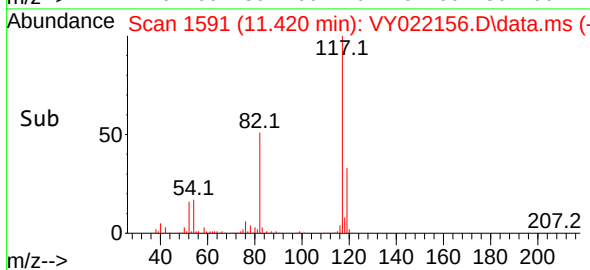
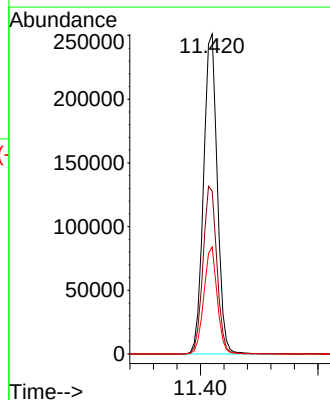
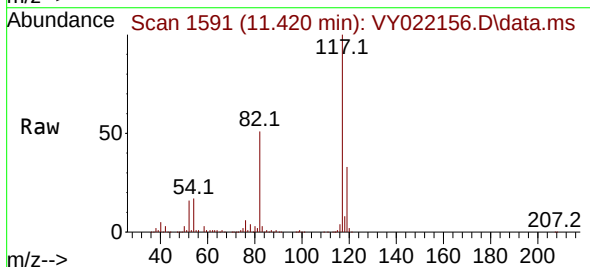
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

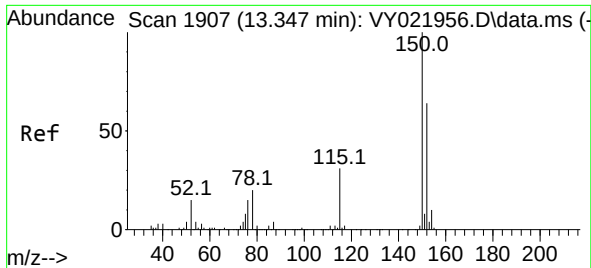
Tgt Ion: 95 Resp: 148871
Ion Ratio Lower Upper
95 100
174 87.4 0.0 179.0
176 83.2 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

Tgt Ion: 117 Resp: 407953
Ion Ratio Lower Upper
117 100
82 50.9 42.1 63.1
119 33.4 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022156.D

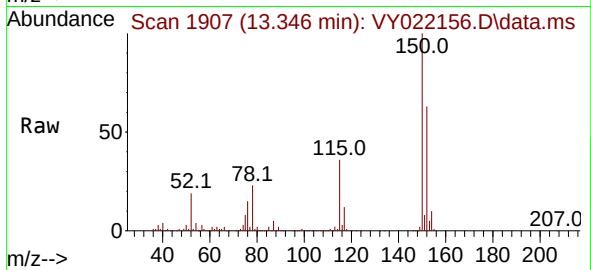
Acq: 05 May 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-B



Tgt Ion:152 Resp: 135235

Ion Ratio Lower Upper

152 100

115 57.2 28.0 84.0

150 157.8 0.0 345.6

