

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022157.D
 Acq On : 05 May 2025 14:21
 Operator : SY/MD
 Sample : Q1938-06
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: May 06 05:21:45 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	7.713	168	236208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	393874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132998	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121736	55.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.600%
35) Dibromofluoromethane	7.634	113	154327	51.253	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.500%
50) Toluene-d8	10.109	98	553452	48.755	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.500%
62) 4-Bromofluorobenzene	12.408	95	141467	37.019	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.040%

Target Compounds	Qvalue

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

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Response via : Initial Calibration

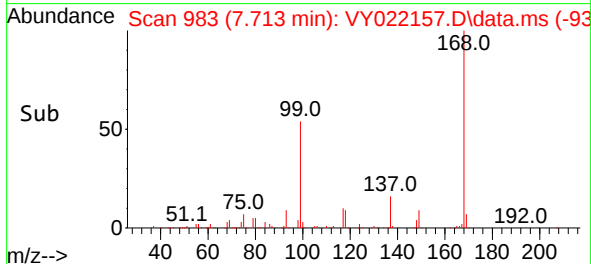
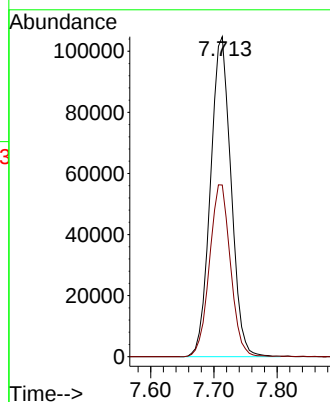
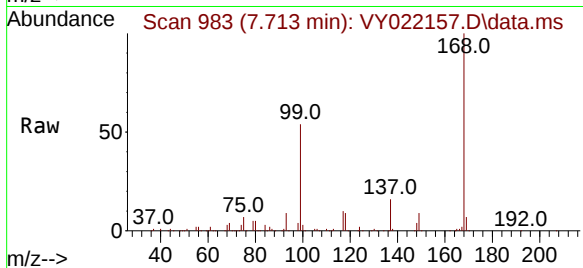




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

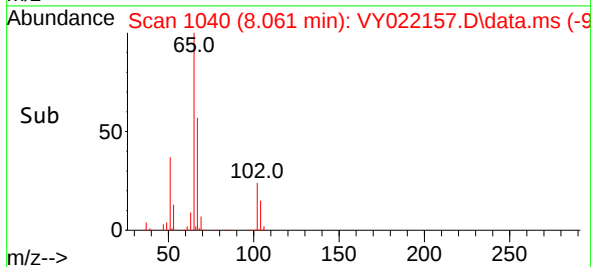
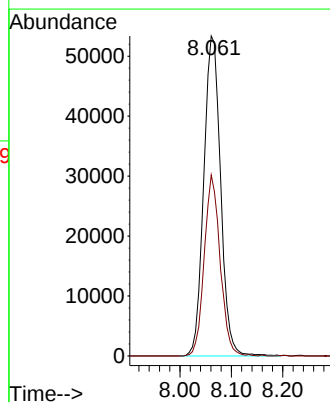
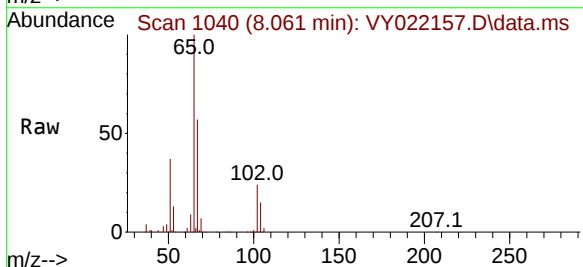
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

Tgt Ion:168 Resp: 236208
Ion Ratio Lower Upper
168 100
99 53.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 55.796 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Tgt Ion: 65 Resp: 121736
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8

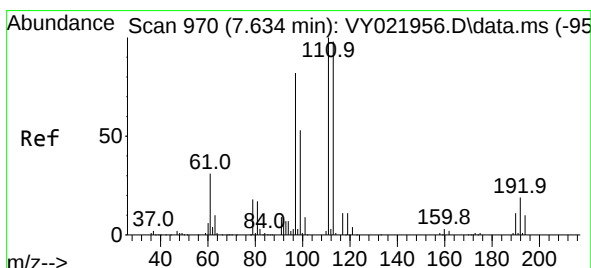
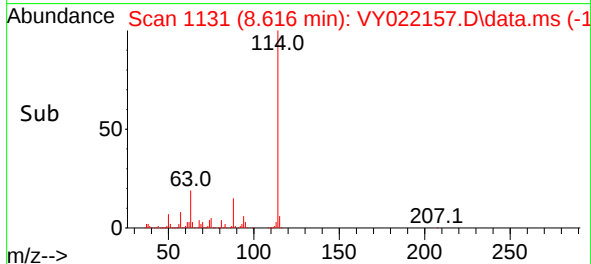
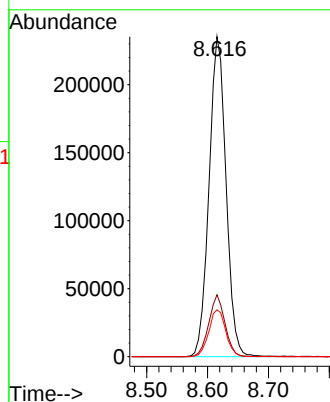
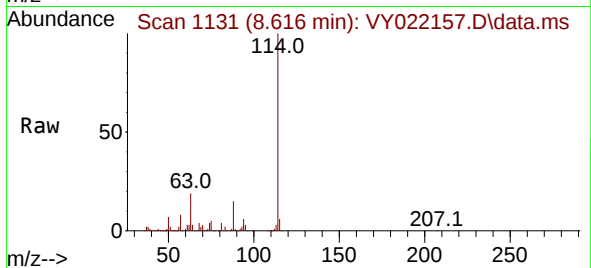




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

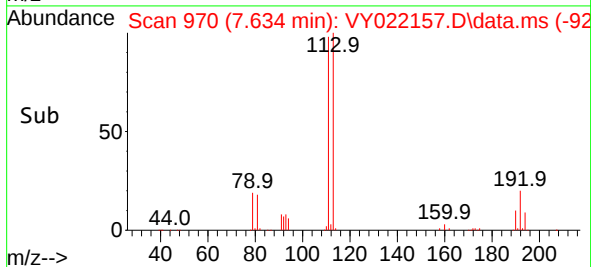
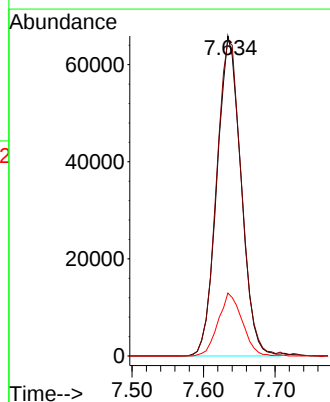
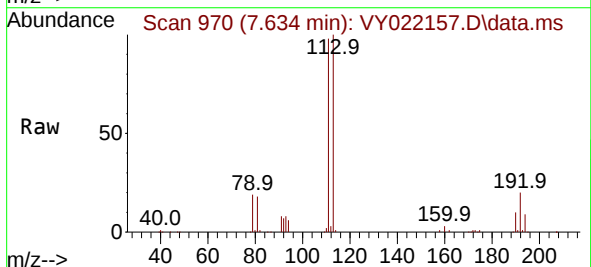
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

Tgt Ion:114 Resp: 455775
Ion Ratio Lower Upper
114 100
63 19.3 0.0 35.4
88 14.6 0.0 28.2



#35
Dibromofluoromethane
Concen: 51.253 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Tgt Ion:113 Resp: 154327
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 19.6 15.6 23.4

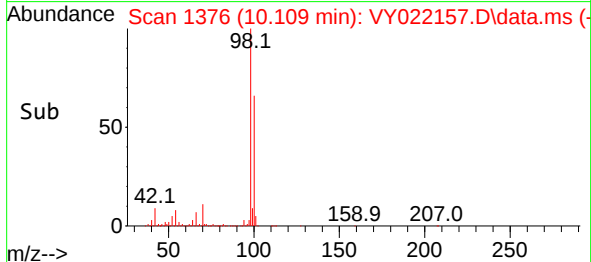
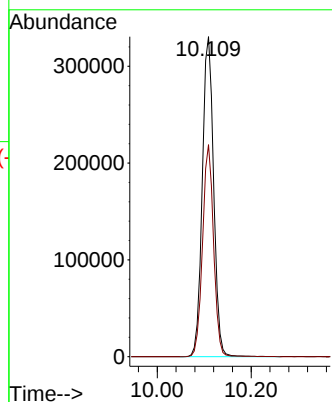
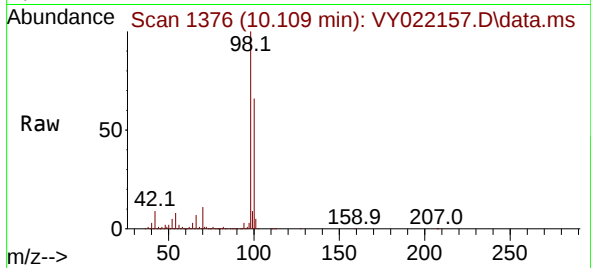




#50
Toluene-d8
Concen: 48.755 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

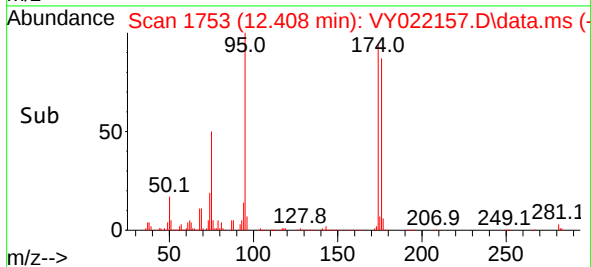
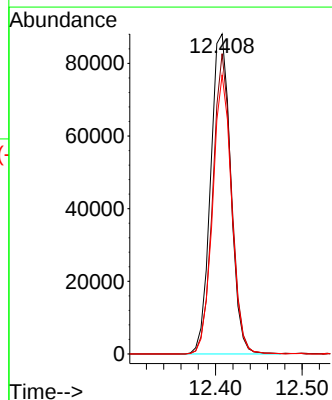
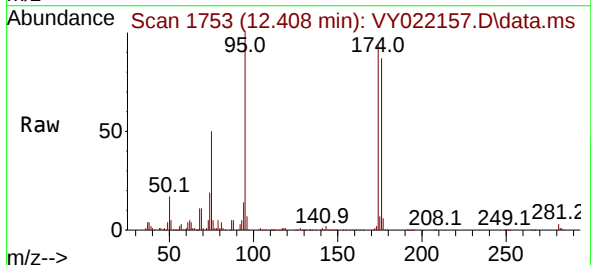
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

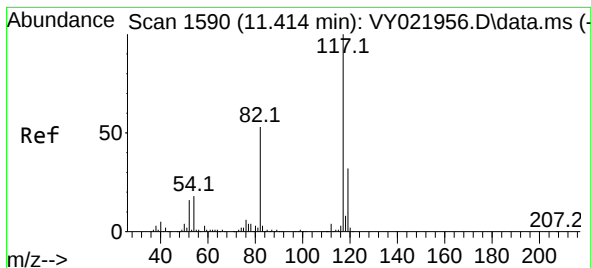
Tgt Ion: 98 Resp: 553452
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 37.019 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Tgt Ion: 95 Resp: 141467
Ion Ratio Lower Upper
95 100
174 88.0 0.0 179.0
176 82.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022157.D

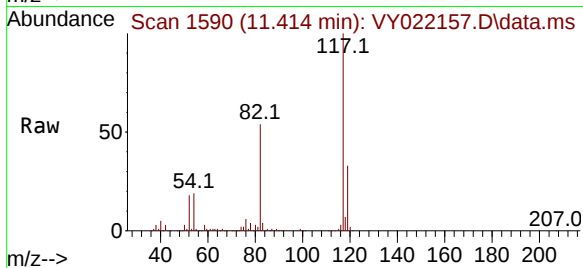
Acq: 05 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-C



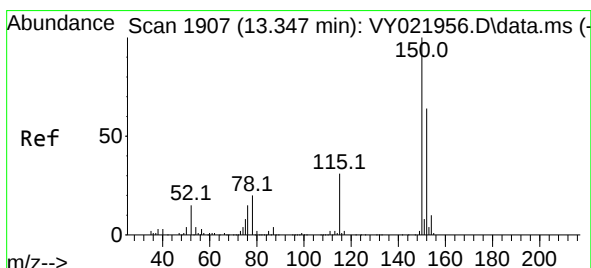
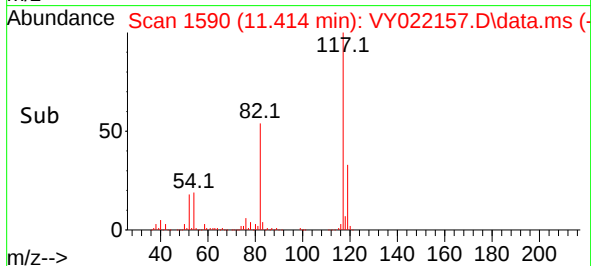
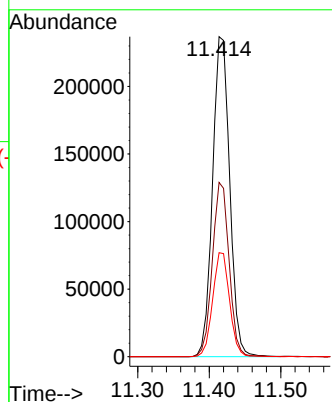
Tgt Ion:117 Resp: 393874

Ion Ratio Lower Upper

117 100

82 54.5 42.1 63.1

119 32.5 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: VY022157.D

Acq: 05 May 2025 14:21

Tgt Ion:152 Resp: 132998

Ion Ratio Lower Upper

152 100

115 57.0 28.0 84.0

150 159.7 0.0 345.6

