

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022142.D
 Acq On : 02 May 2025 20:19
 Operator : SY/MD
 Sample : Q1936-02
 Misc : 6.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SMALL-PILE-A

Quant Time: May 03 02:53:55 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	328366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	625753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	546092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	207034	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159968	52.742	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.480%
35) Dibromofluoromethane	7.628	113	202976	49.098	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.200%
50) Toluene-d8	10.103	98	748442	48.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.040%
62) 4-Bromofluorobenzene	12.401	95	210607	40.141	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.280%

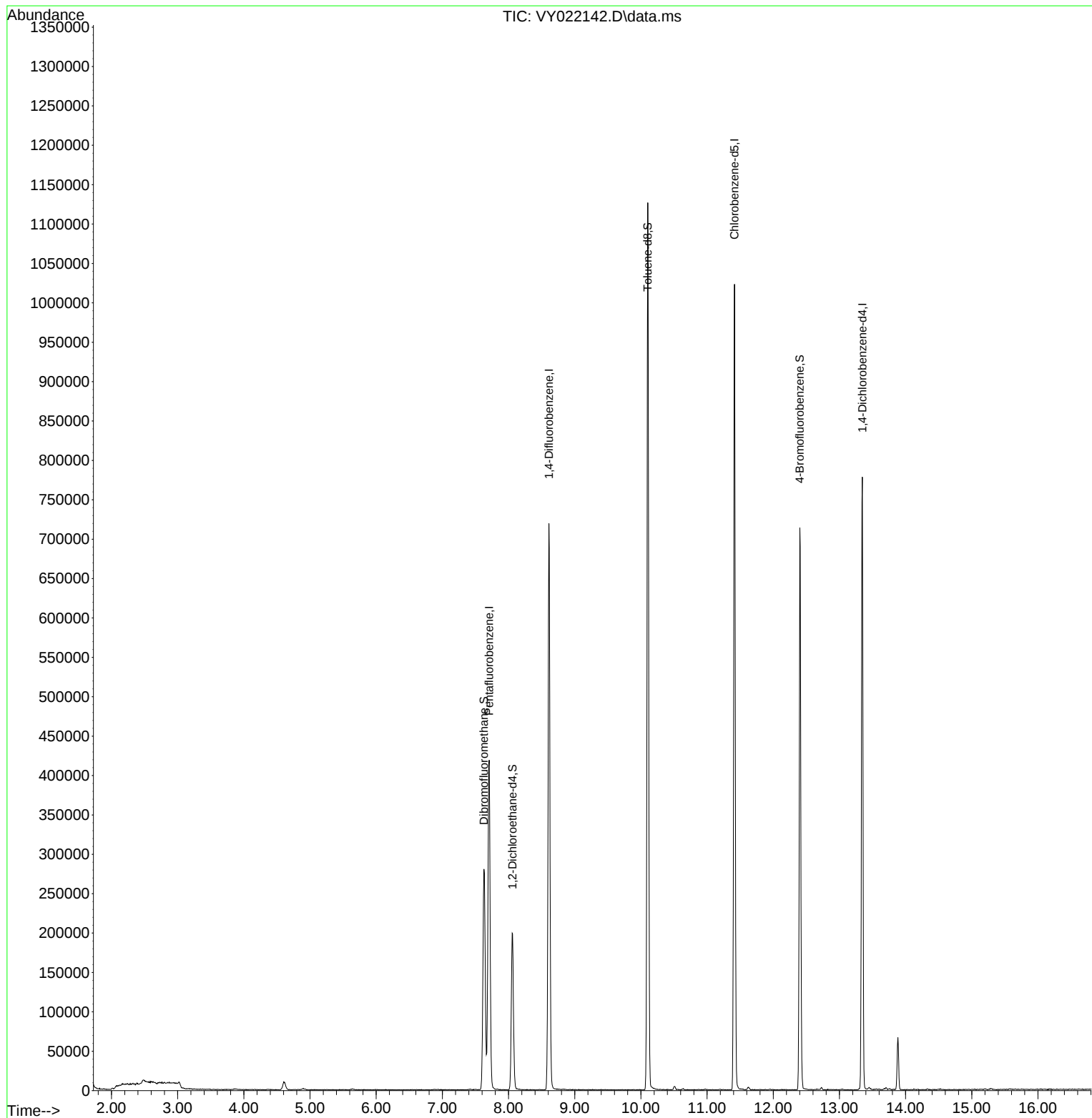
Target Compounds	Qvalue

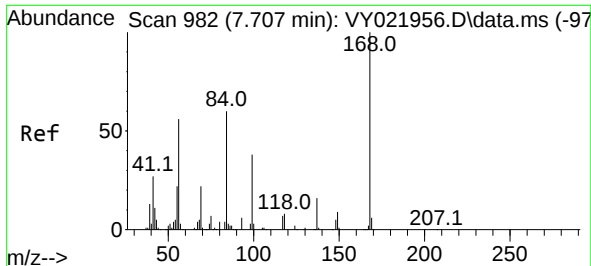
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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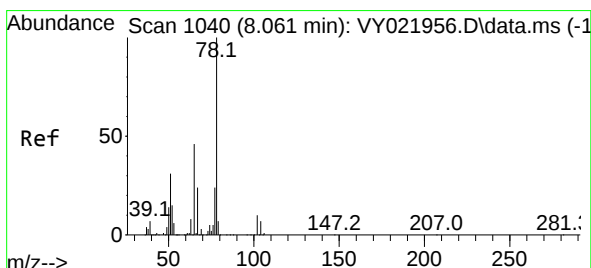
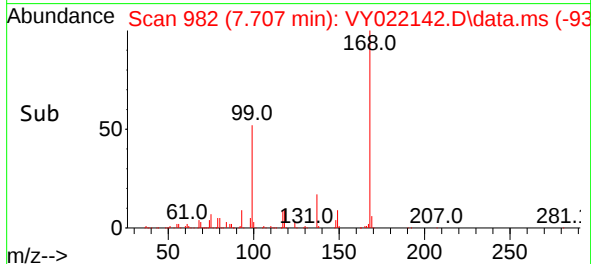
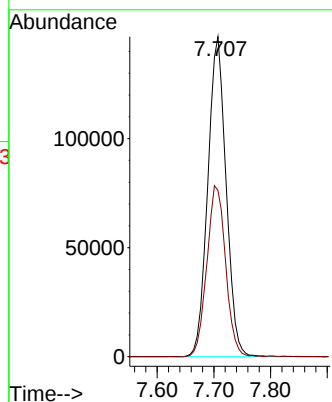
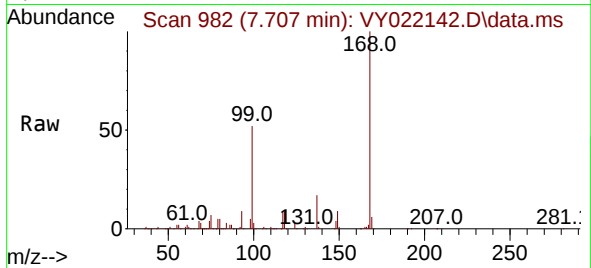




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022142.D
Acq: 02 May 2025 20:19

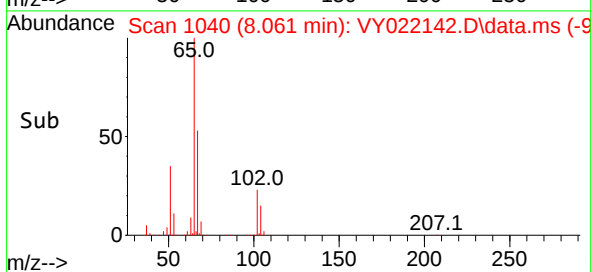
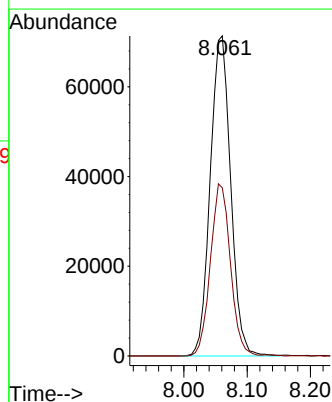
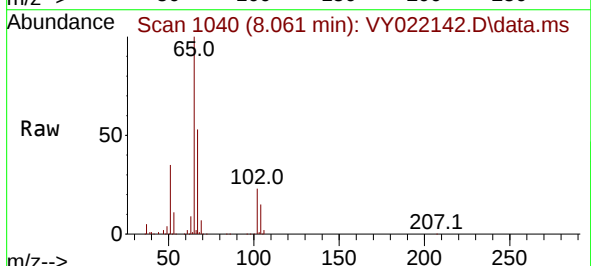
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-A

Tgt Ion:168 Resp: 328366
Ion Ratio Lower Upper
168 100
99 51.9 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 52.742 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022142.D
Acq: 02 May 2025 20:19

Tgt Ion: 65 Resp: 159968
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

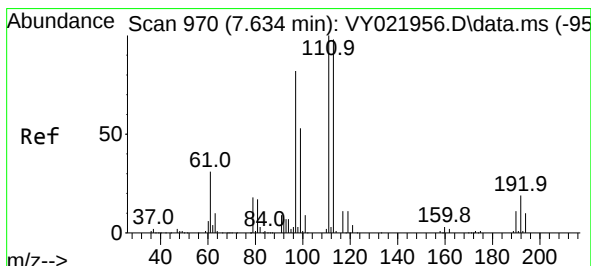
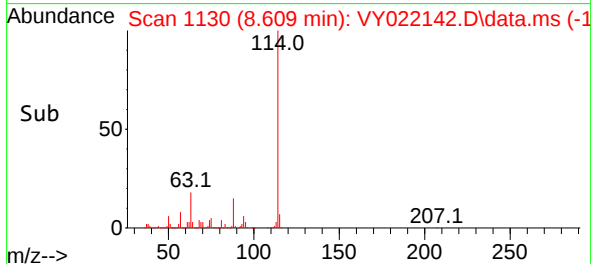
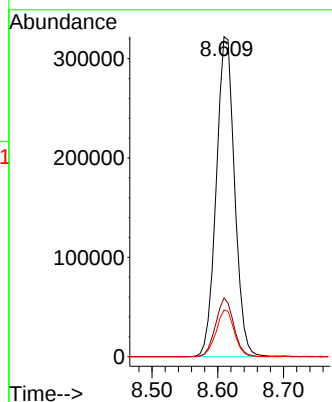
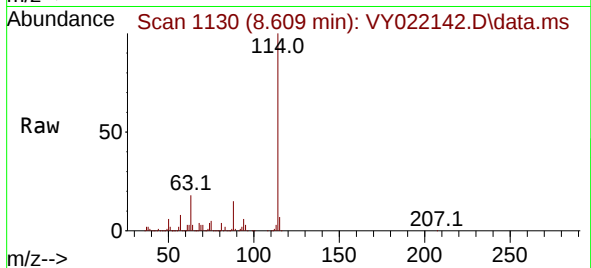




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022142.D
Acq: 02 May 2025 20:19

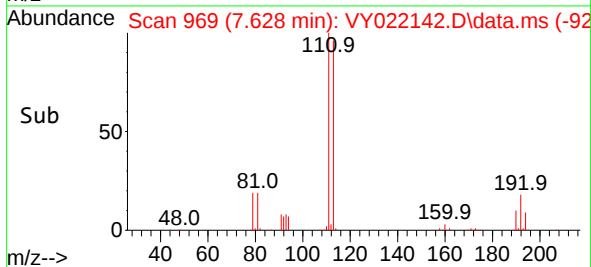
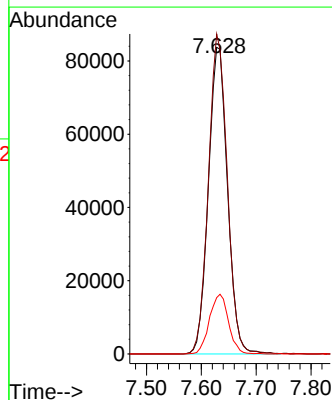
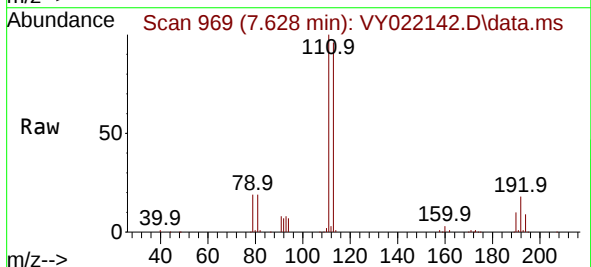
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-A

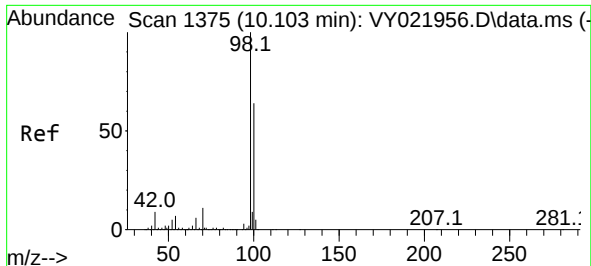
Tgt Ion:114 Resp: 625753
Ion Ratio Lower Upper
114 100
63 18.4 0.0 35.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 49.098 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022142.D
Acq: 02 May 2025 20:19

Tgt Ion:113 Resp: 202976
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.8
192 19.4 15.6 23.4

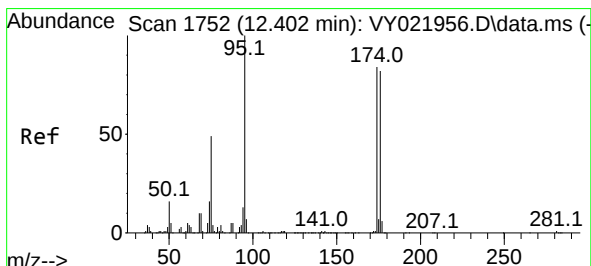
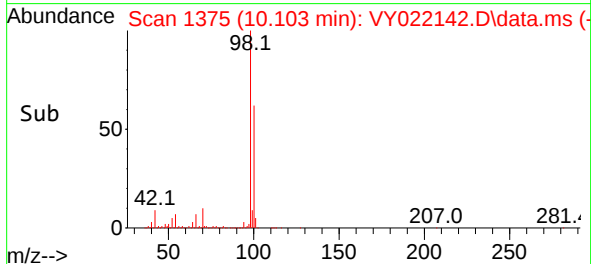
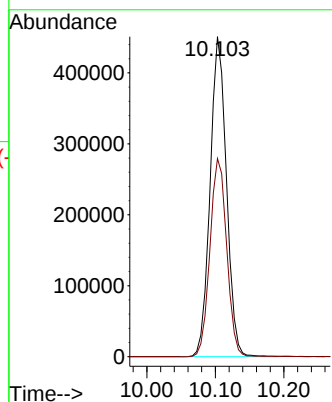
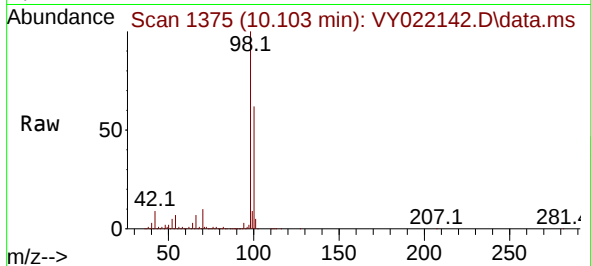




#50
Toluene-d8
Concen: 48.022 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022142.D
Acq: 02 May 2025 20:19

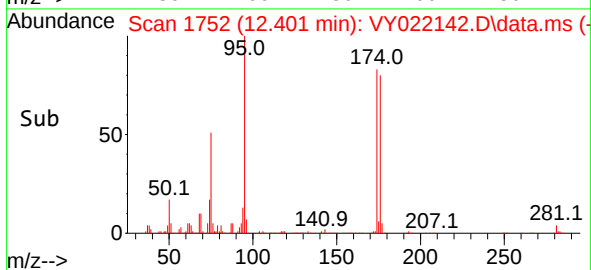
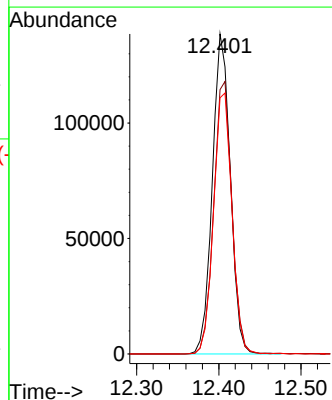
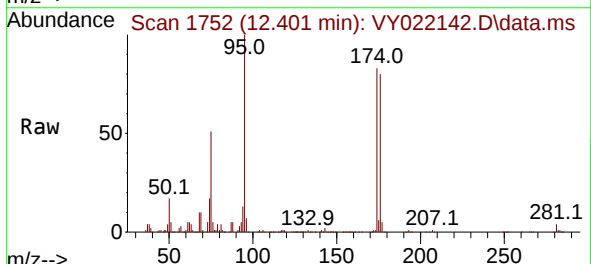
Instrument :
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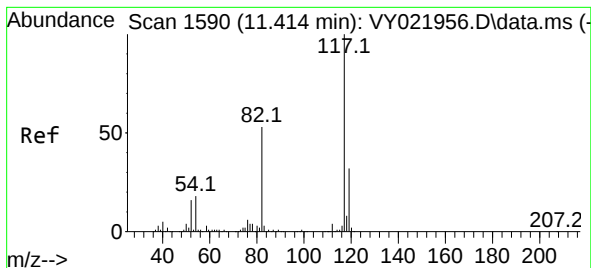
Tgt Ion: 98 Resp: 748442
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 40.141 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022142.D
Acq: 02 May 2025 20:19

Tgt Ion: 95 Resp: 210607
Ion Ratio Lower Upper
95 100
174 86.3 0.0 179.0
176 83.6 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: VY022142.D

Acq: 02 May 2025 20:19

Instrument :

MSVOA_Y

ClientSampleId :

SMALL-PILE-A

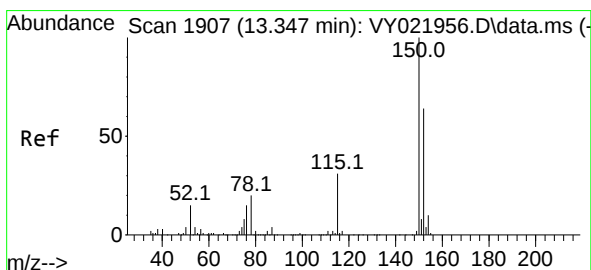
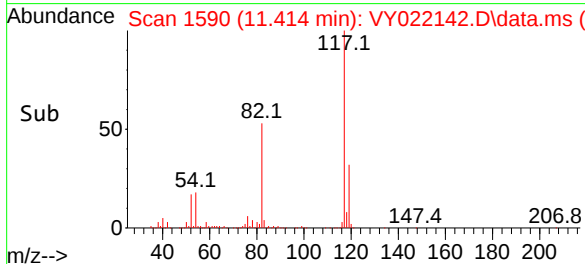
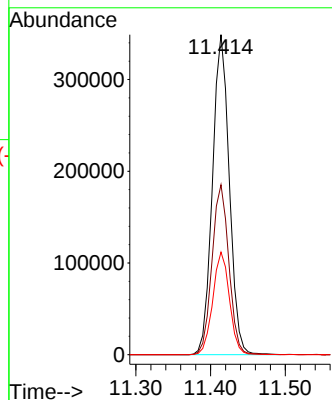
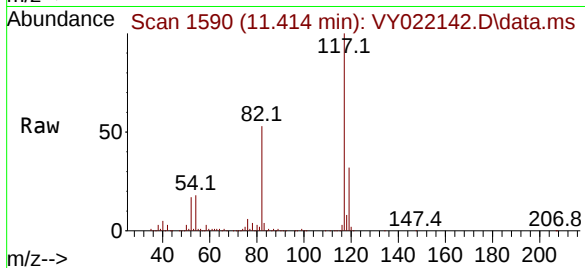
Tgt Ion:117 Resp: 546092

Ion Ratio Lower Upper

117 100

82 53.1 42.1 63.1

119 32.0 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: VY022142.D

Acq: 02 May 2025 20:19

Tgt Ion:152 Resp: 207034

Ion Ratio Lower Upper

152 100

115 56.6 28.0 84.0

150 154.9 0.0 345.6

