

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022140.D
 Acq On : 02 May 2025 19:32
 Operator : SY/MD
 Sample : Q1937-10
 Misc : 6.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LARGE-PILE-E

Quant Time: May 03 02:53:33 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	351968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	664953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	590080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	226299	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	169781	52.223	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.440%
35) Dibromofluoromethane	7.628	113	215168	48.979	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.960%
50) Toluene-d8	10.103	98	800400	48.328	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.660%
62) 4-Bromofluorobenzene	12.402	95	230850	41.406	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.820%

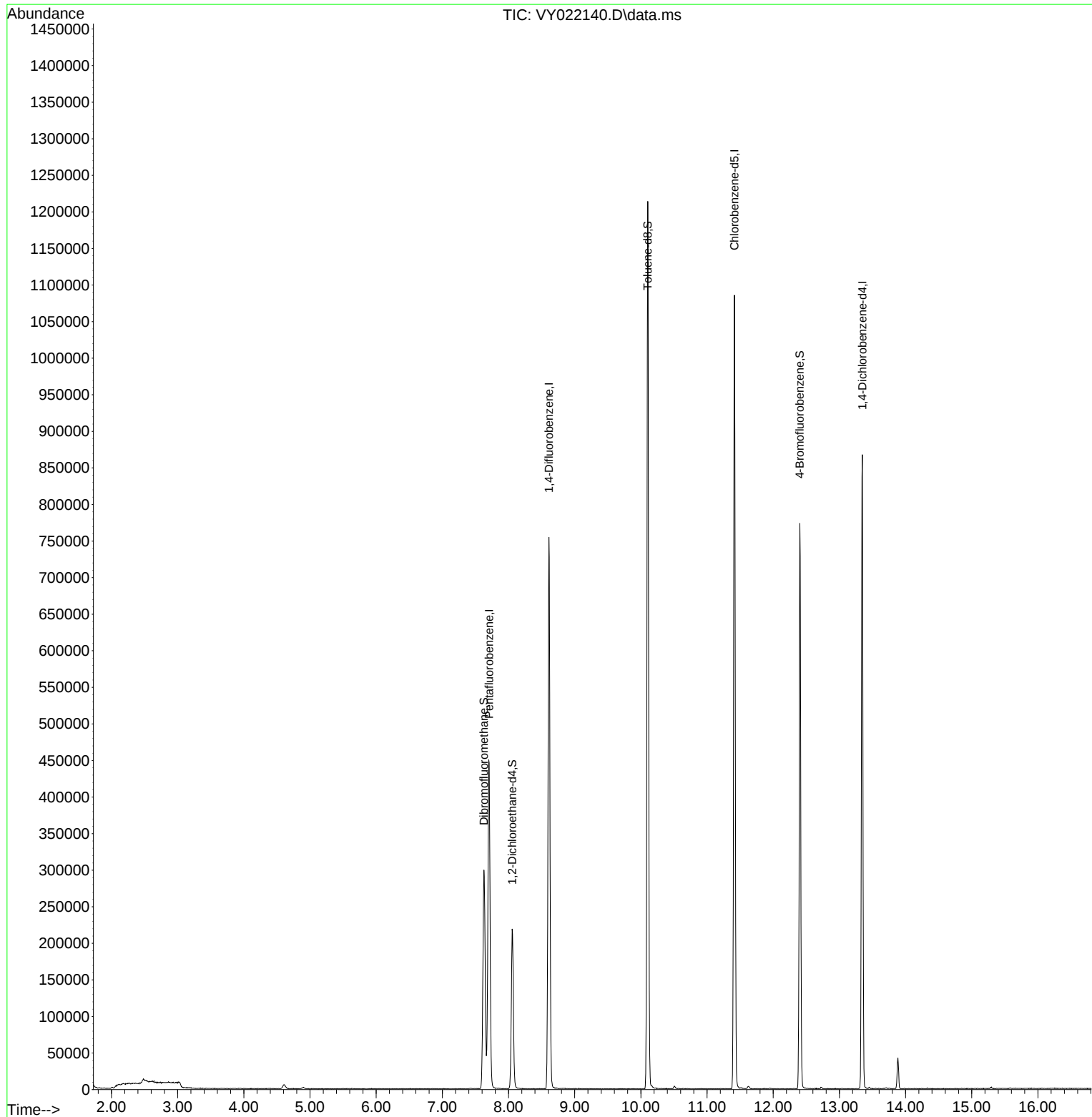
Target Compounds	Qvalue

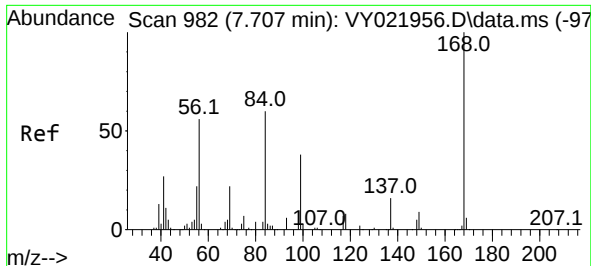
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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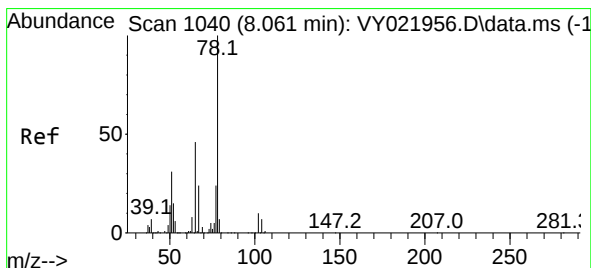
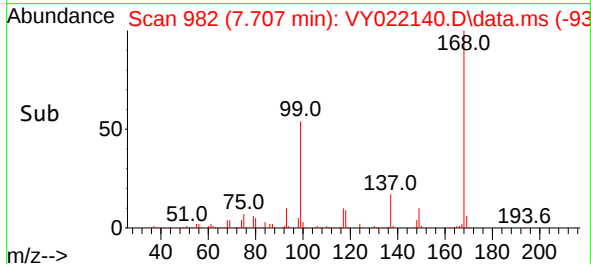
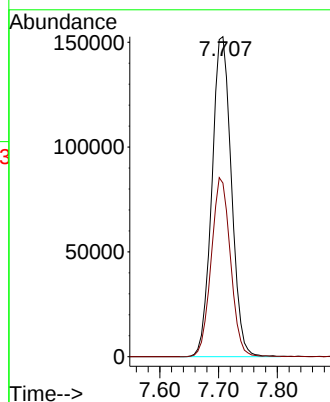
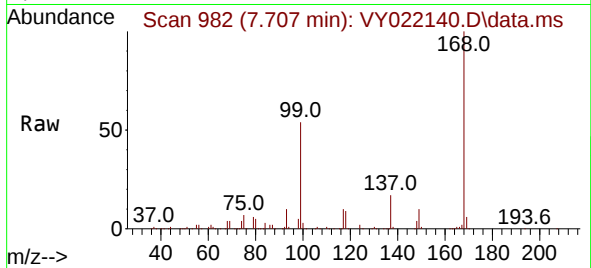




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022140.D
Acq: 02 May 2025 19:32

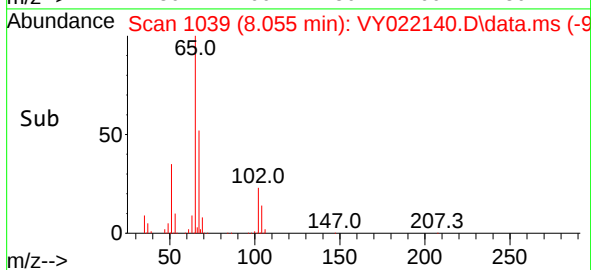
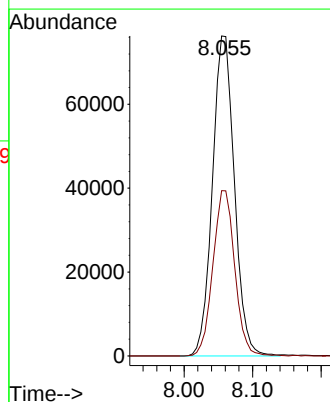
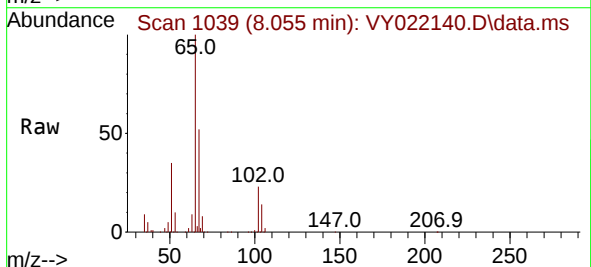
Instrument :
MSVOA_Y
ClientSampleId :
LARGE-PILE-E

Tgt Ion:168 Resp: 351968
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 52.223 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022140.D
Acq: 02 May 2025 19:32

Tgt Ion: 65 Resp: 169781
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022140.D

Acq: 02 May 2025 19:32

Instrument :

MSVOA_Y

ClientSampleId :

LARGE-PILE-E

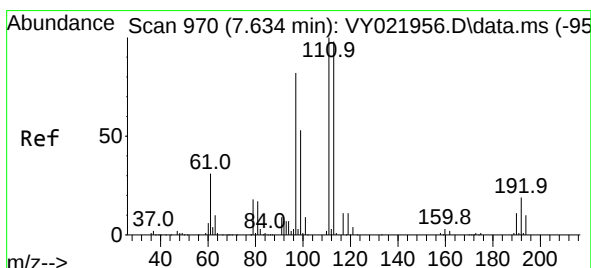
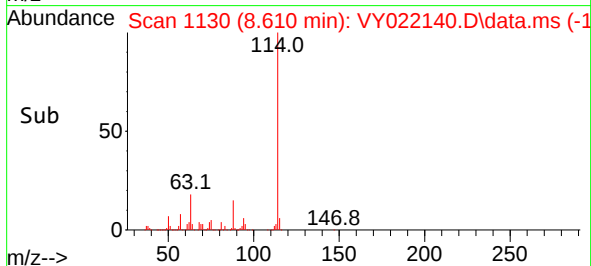
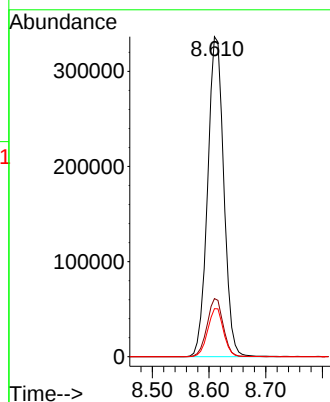
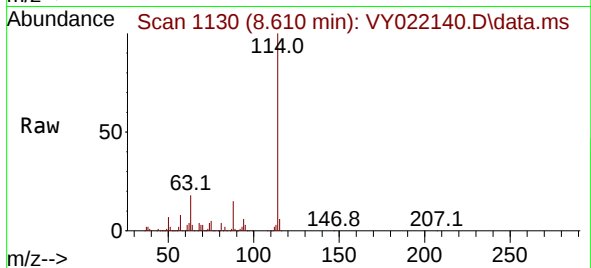
Tgt Ion:114 Resp: 664953

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

88 15.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 48.979 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022140.D

Acq: 02 May 2025 19:32

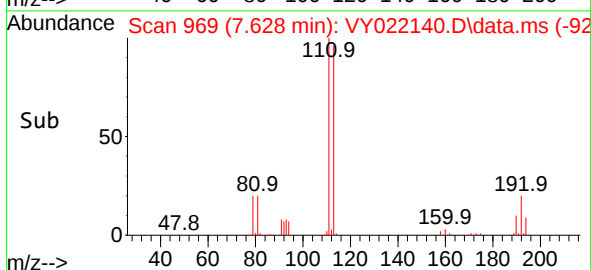
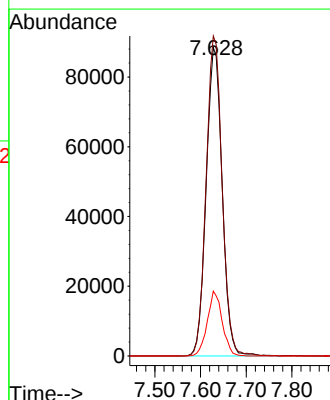
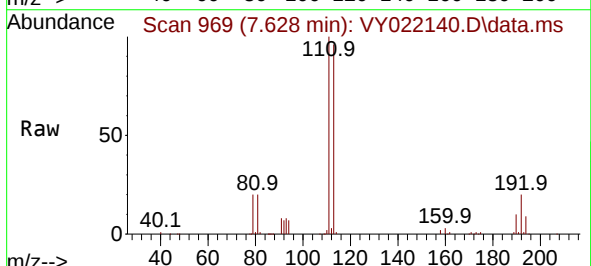
Tgt Ion:113 Resp: 215168

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

192 19.6 15.6 23.4

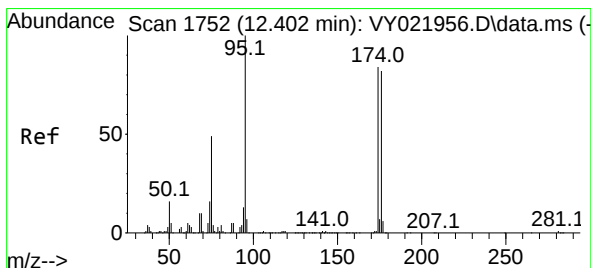
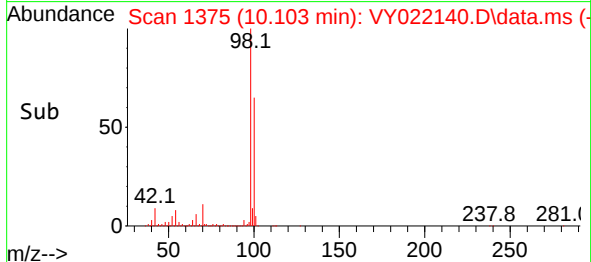
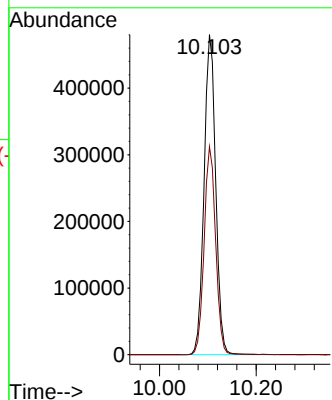
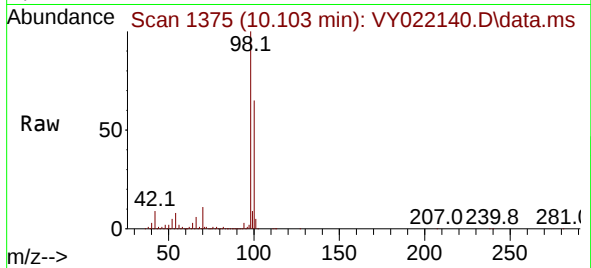




#50
Toluene-d8
Concen: 48.328 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022140.D
Acq: 02 May 2025 19:32

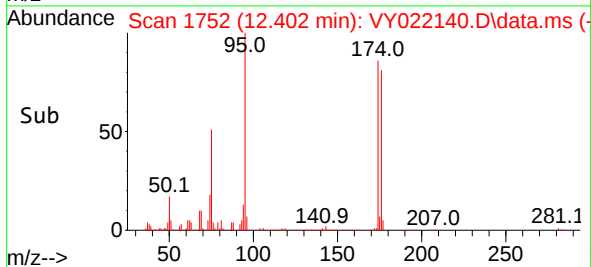
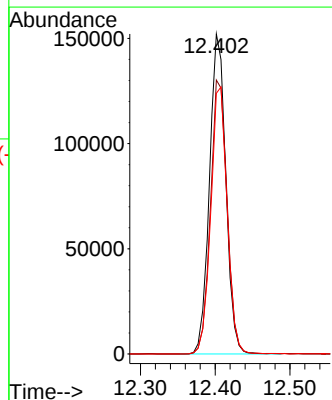
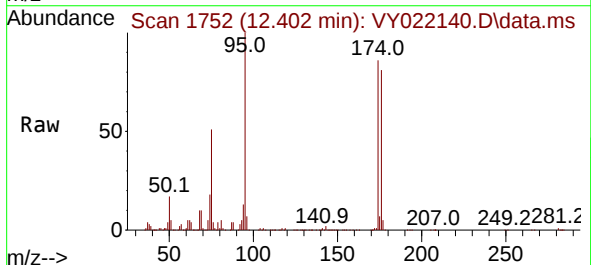
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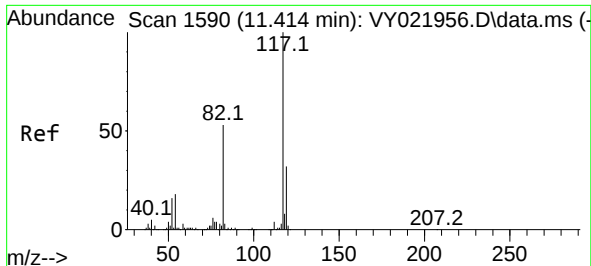
Tgt Ion: 98 Resp: 800400
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 41.406 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022140.D
Acq: 02 May 2025 19:32

Tgt Ion: 95 Resp: 230850
Ion Ratio Lower Upper
95 100
174 87.1 0.0 179.0
176 84.0 0.0 171.8

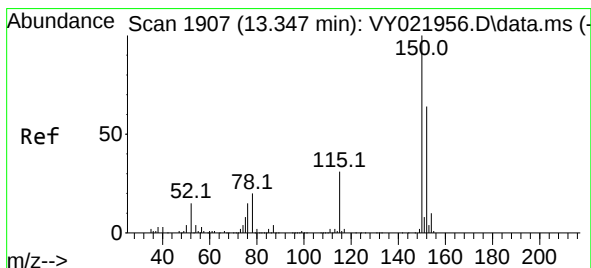
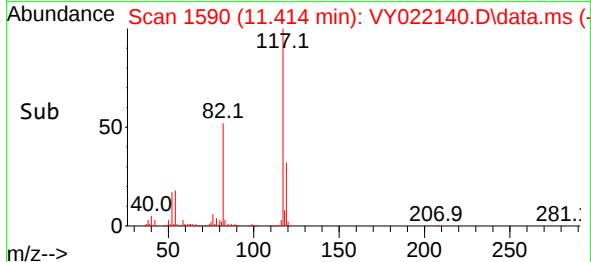
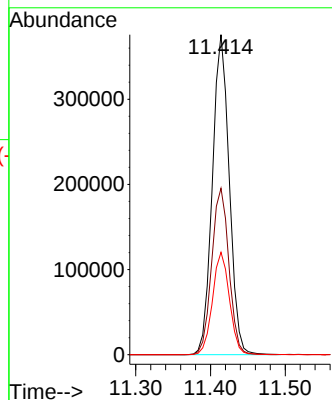
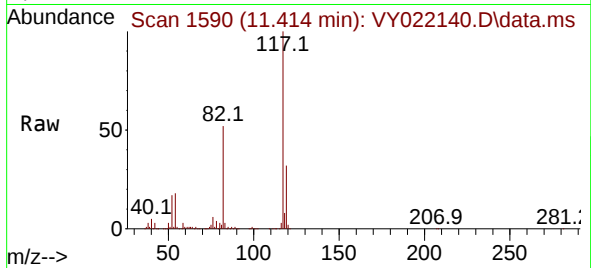




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022140.D
Acq: 02 May 2025 19:32

Instrument :
MSVOA_Y
ClientSampleId :
LARGE-PILE-E

Tgt Ion:117 Resp: 590080
Ion Ratio Lower Upper
117 100
82 52.0 42.1 63.1
119 32.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022140.D
Acq: 02 May 2025 19:32

Tgt Ion:152 Resp: 226299
Ion Ratio Lower Upper
152 100
115 57.7 28.0 84.0
150 157.8 0.0 345.6

