

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022136.D
 Acq On : 02 May 2025 17:58
 Operator : SY/MD
 Sample : Q1937-02
 Misc : 7.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LARGE-PILE-A

Quant Time: May 03 02:52:47 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	351658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	661746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	586767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	229557	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	177565	54.666	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.340%
35) Dibromofluoromethane	7.634	113	220287	50.388	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.780%
50) Toluene-d8	10.103	98	784729	47.612	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.220%
62) 4-Bromofluorobenzene	12.401	95	234873	42.331	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.660%

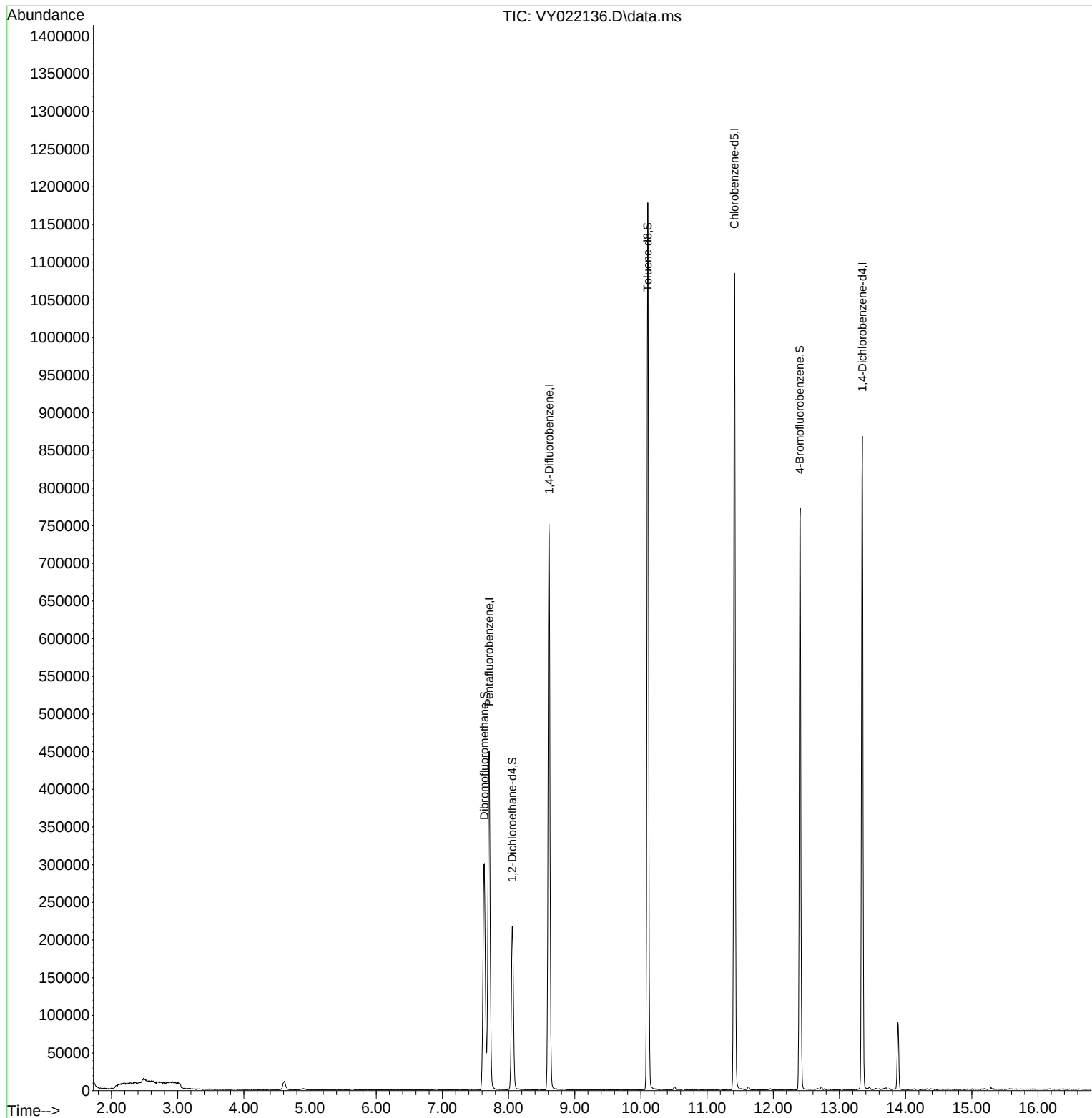
Target Compounds	Qvalue

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

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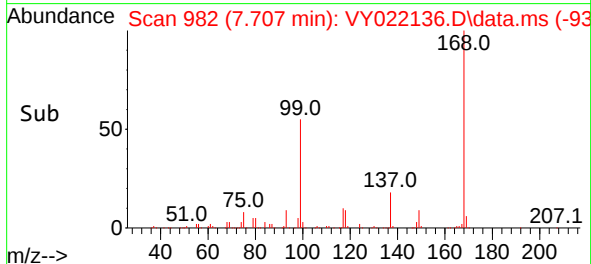
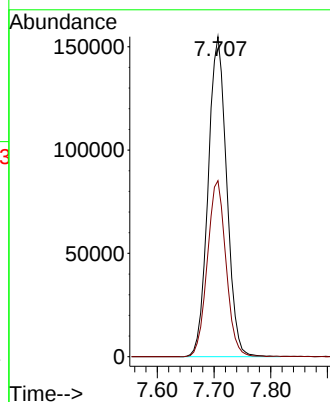
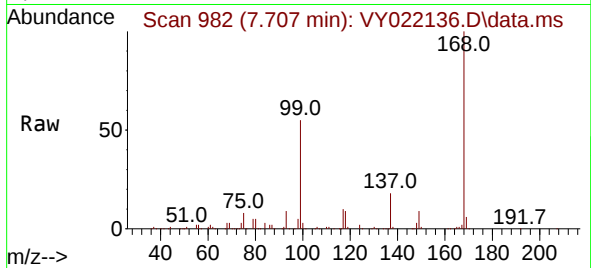




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022136.D
Acq: 02 May 2025 17:58

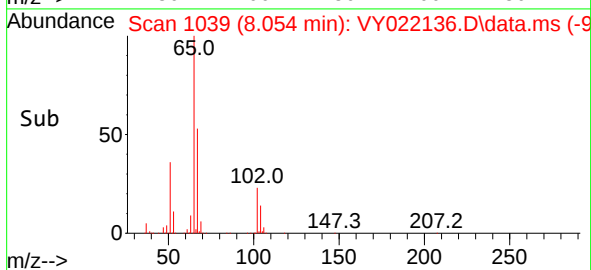
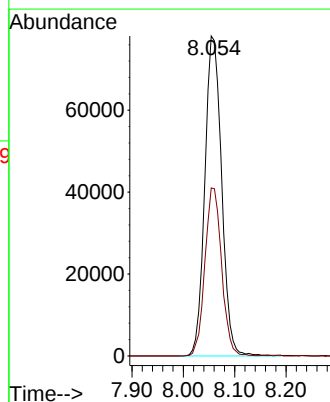
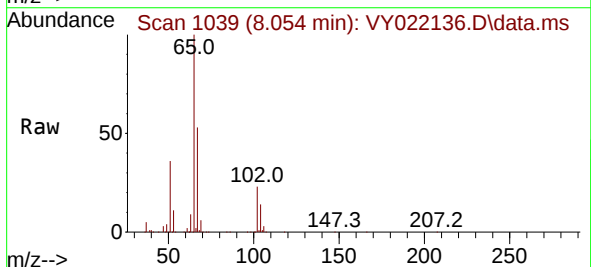
Instrument :
MSVOA_Y
ClientSampleId :
LARGE-PILE-A

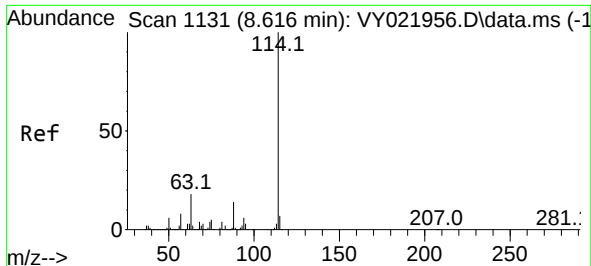
Tgt Ion:168 Resp: 351658
Ion Ratio Lower Upper
168 100
99 55.0 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 54.666 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. -0.007 min
Lab File: VY022136.D
Acq: 02 May 2025 17:58

Tgt Ion: 65 Resp: 177565
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.8

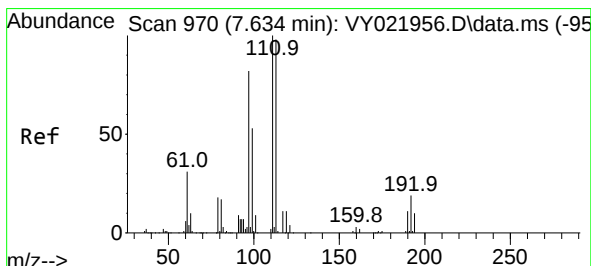
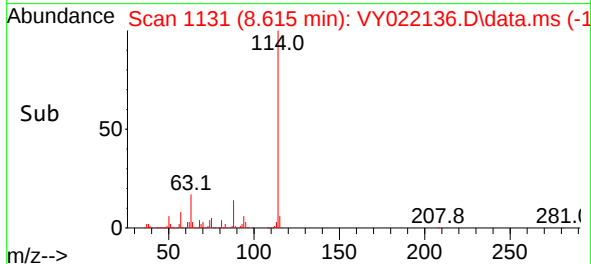
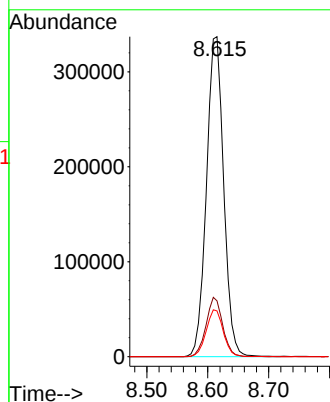
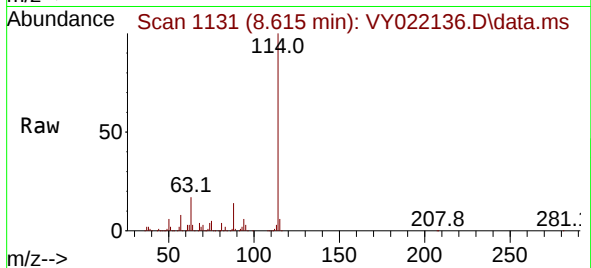




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022136.D
Acq: 02 May 2025 17:58

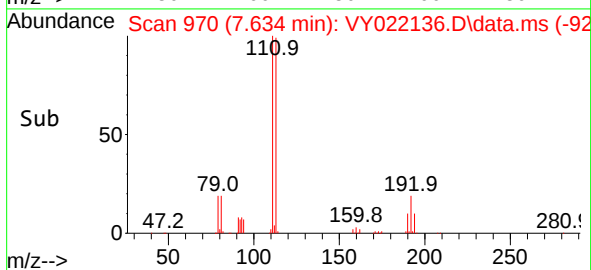
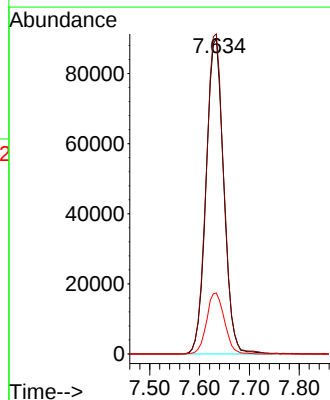
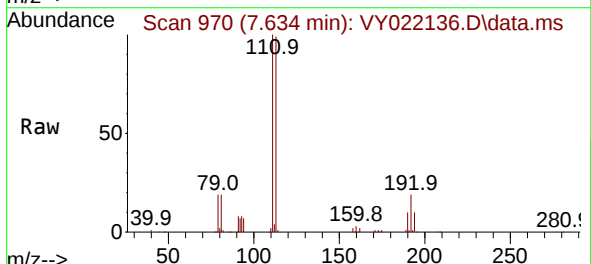
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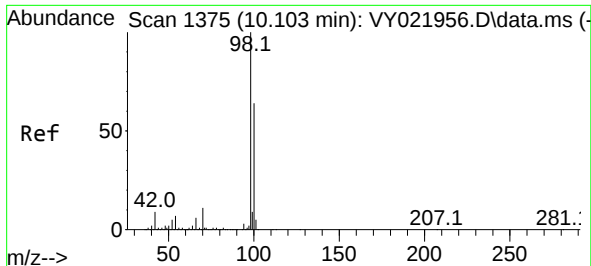
Tgt Ion:114 Resp: 661746
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.4
88 14.3 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.388 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022136.D
Acq: 02 May 2025 17:58

Tgt Ion:113 Resp: 220287
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 19.6 15.6 23.4

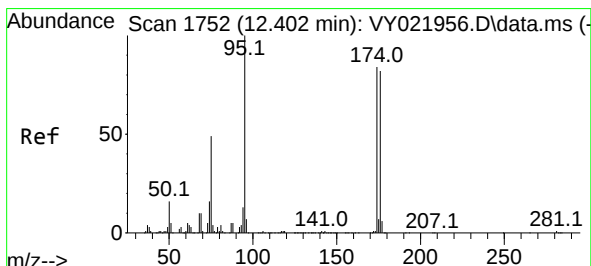
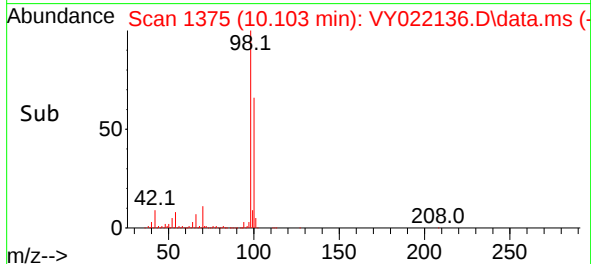
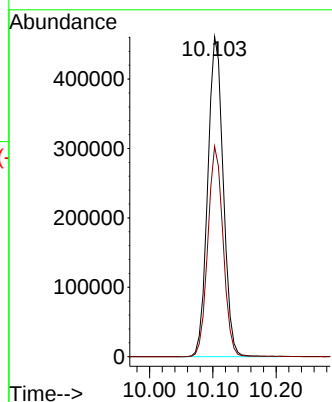
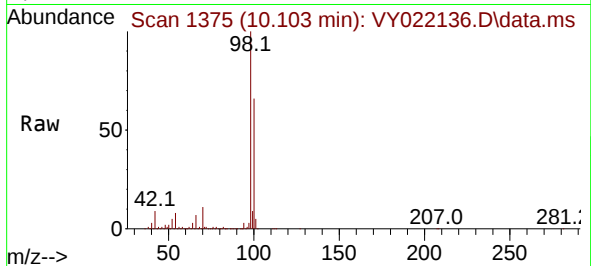




#50
Toluene-d8
Concen: 47.612 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022136.D
Acq: 02 May 2025 17:58

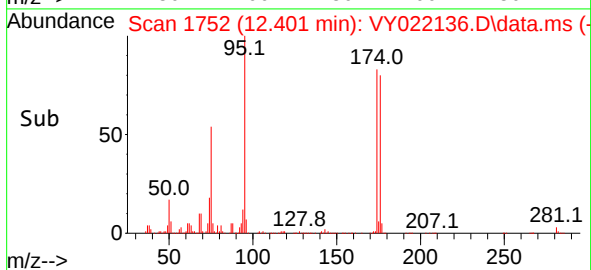
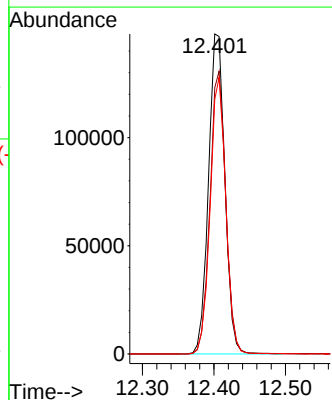
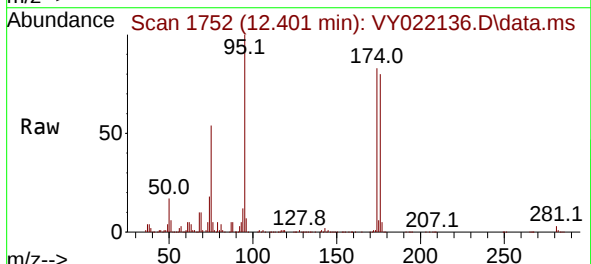
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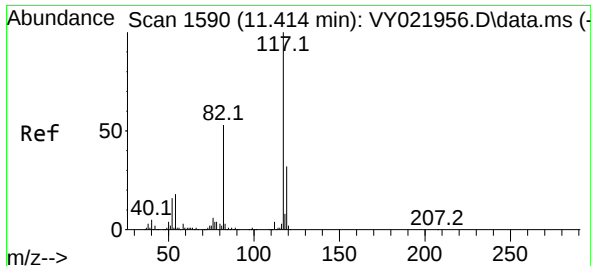
Tgt Ion: 98 Resp: 784729
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 42.331 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022136.D
Acq: 02 May 2025 17:58

Tgt Ion: 95 Resp: 234873
Ion Ratio Lower Upper
95 100
174 85.6 0.0 179.0
176 82.6 0.0 171.8

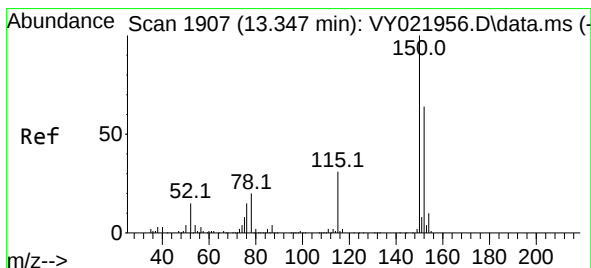
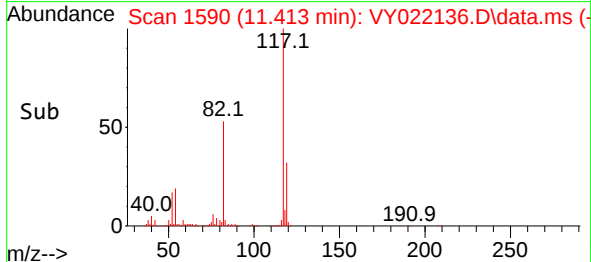
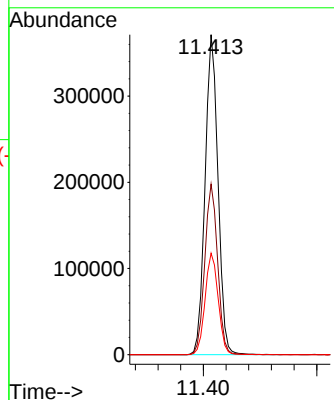
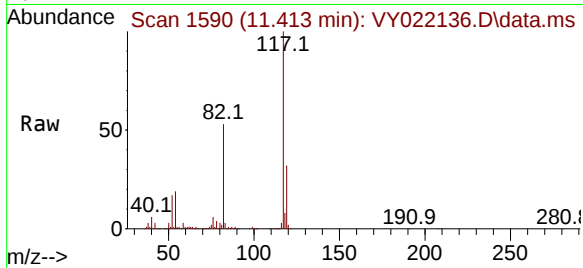




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022136.D
Acq: 02 May 2025 17:58

Instrument :
MSVOA_Y
ClientSampleId :
LARGE-PILE-A

Tgt Ion:117 Resp: 586767
Ion Ratio Lower Upper
117 100
82 53.3 42.1 63.1
119 31.7 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: VY022136.D
Acq: 02 May 2025 17:58

Tgt Ion:152 Resp: 229557
Ion Ratio Lower Upper
152 100
115 56.7 28.0 84.0
150 157.3 0.0 345.6

