

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021972.D
 Acq On : 23 Apr 2025 15:27
 Operator : SY/MD
 Sample : Q1853-01
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-04222025

Quant Time: Apr 24 03:46:33 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	100897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	162272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	126095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	38624	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41236	44.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.500%
35) Dibromofluoromethane	7.628	113	54724	51.046	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.100%
50) Toluene-d8	10.109	98	183375	45.371	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.740%
62) 4-Bromofluorobenzene	12.402	95	40281	29.606	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.220%

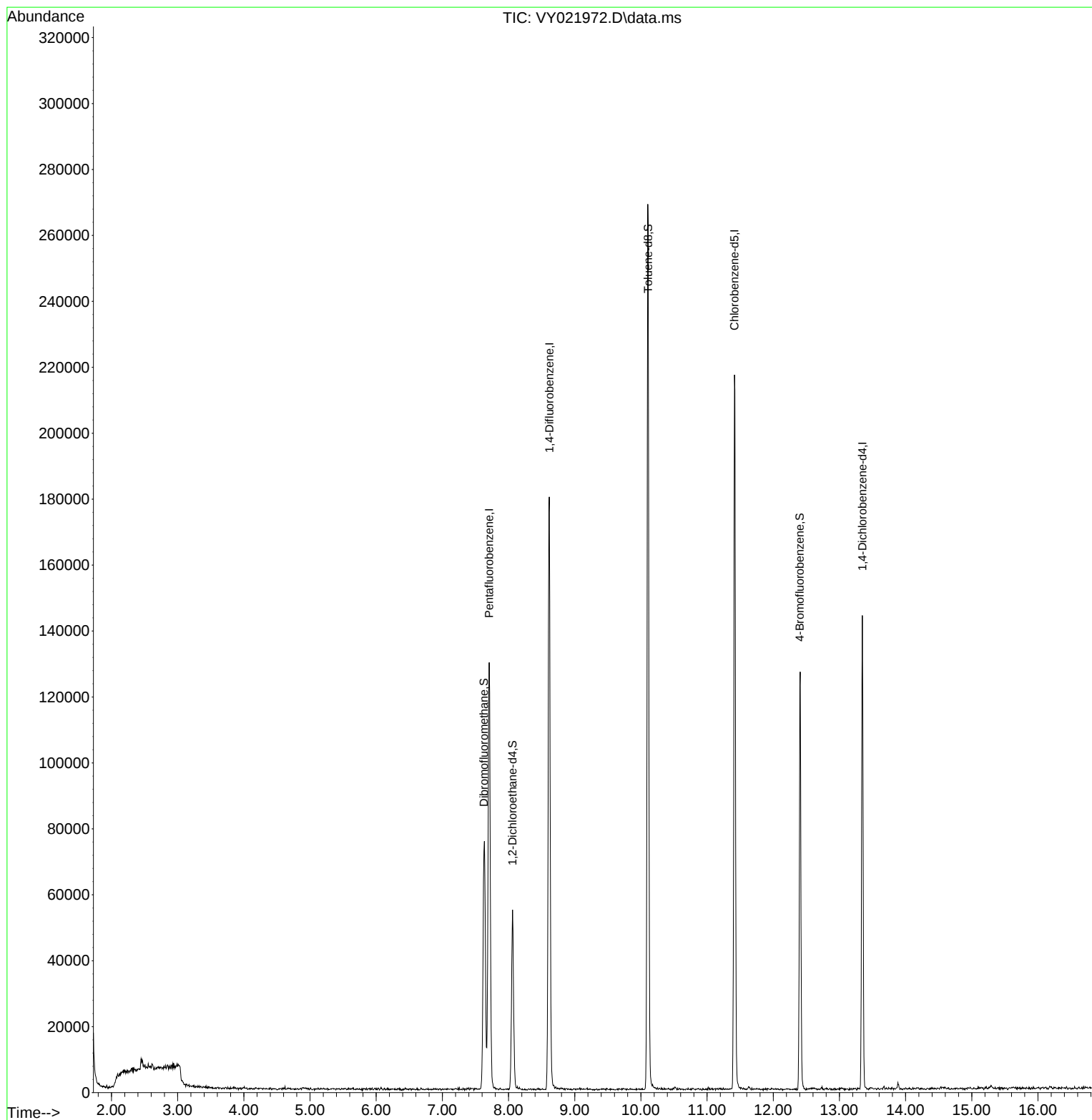
Target Compounds	Qvalue

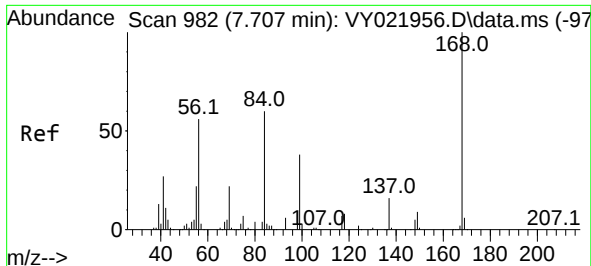
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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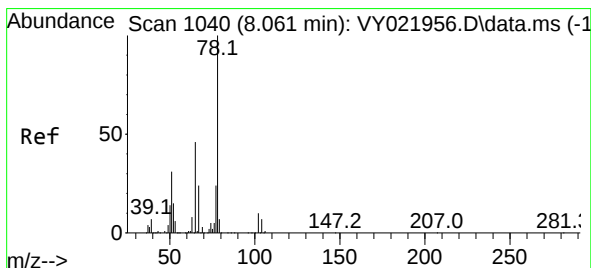
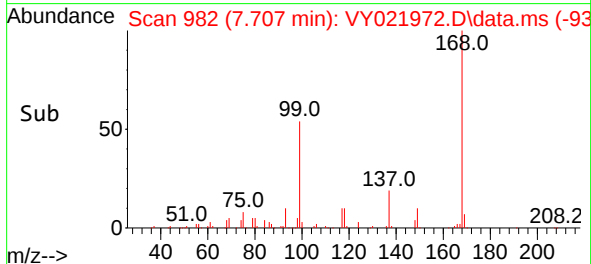
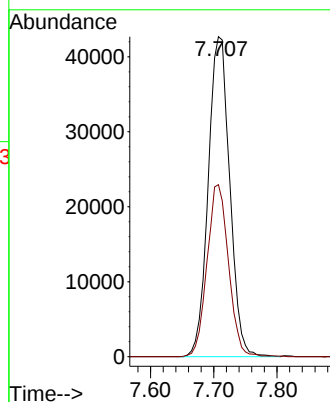
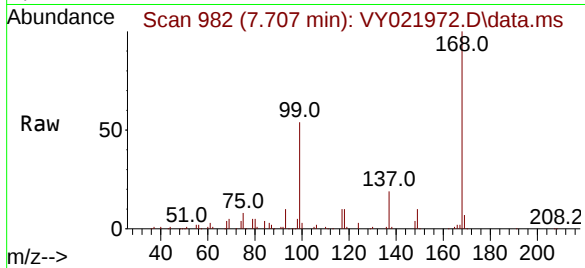




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

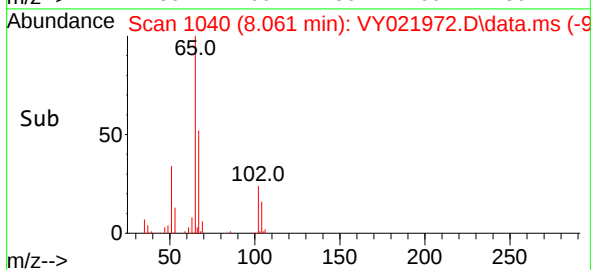
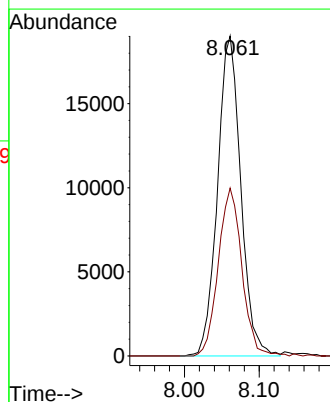
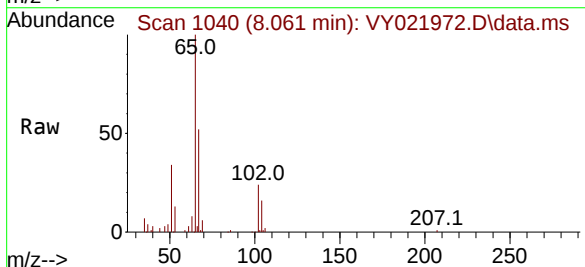
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-04222025

Tgt Ion:168 Resp: 100897
Ion Ratio Lower Upper
168 100
99 53.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 44.246 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

Tgt Ion: 65 Resp: 41236
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8

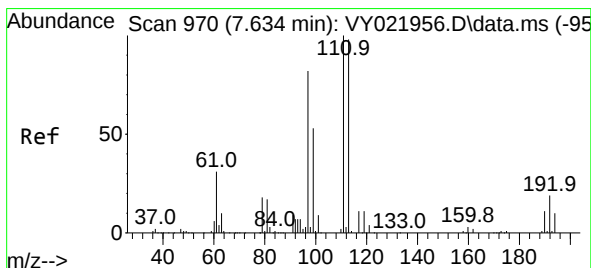
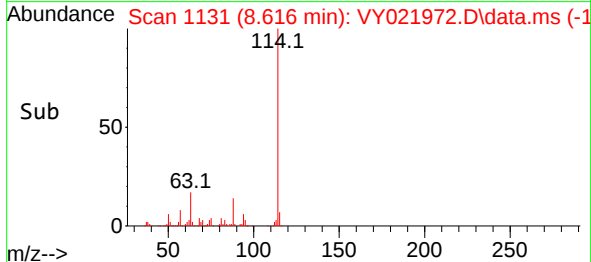
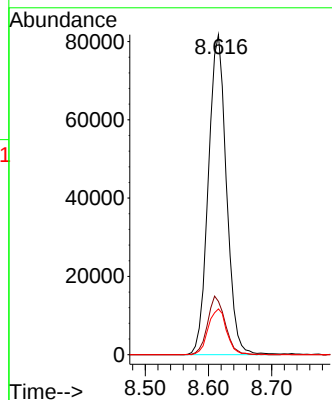
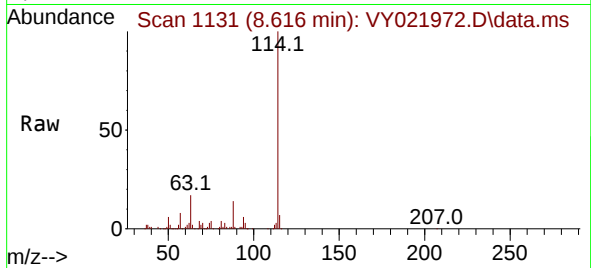




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

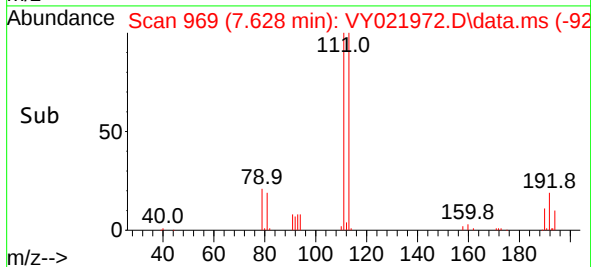
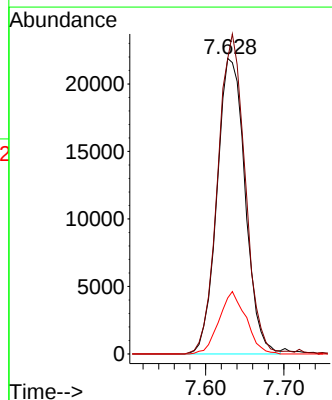
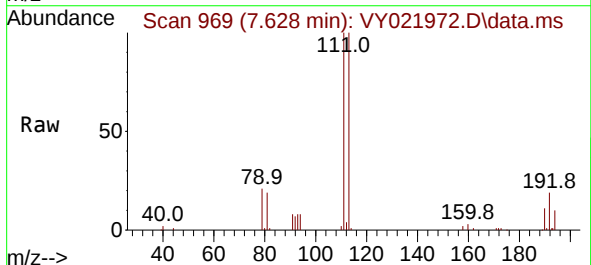
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-04222025

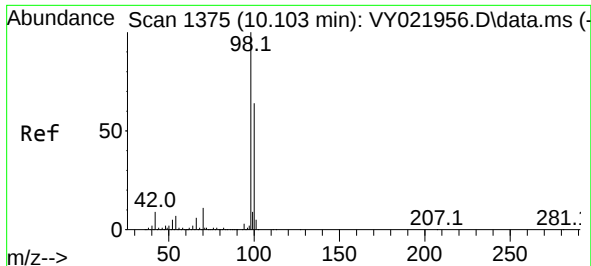
Tgt Ion:114 Resp: 162272
Ion Ratio Lower Upper
114 100
63 16.7 0.0 35.4
88 14.3 0.0 28.2



#35
Dibromofluoromethane
Concen: 51.046 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

Tgt Ion:113 Resp: 54724
Ion Ratio Lower Upper
113 100
111 105.4 81.8 122.8
192 20.2 15.6 23.4

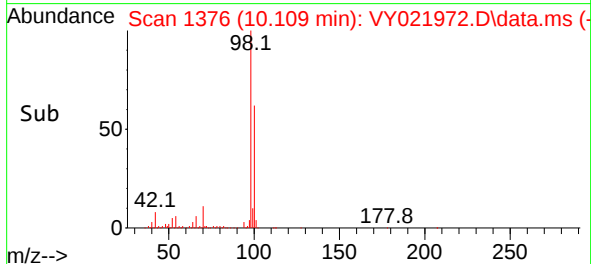
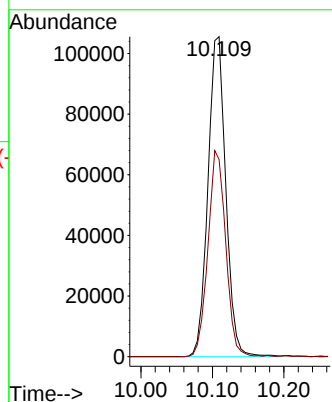
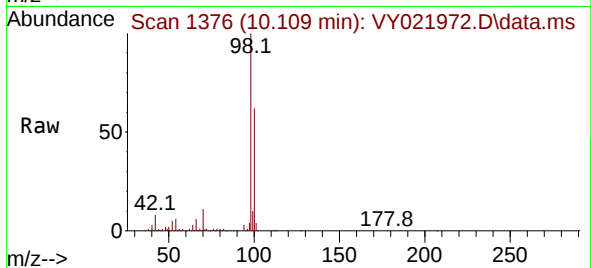




#50
Toluene-d8
Concen: 45.371 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

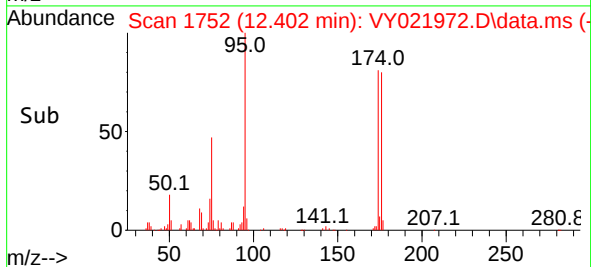
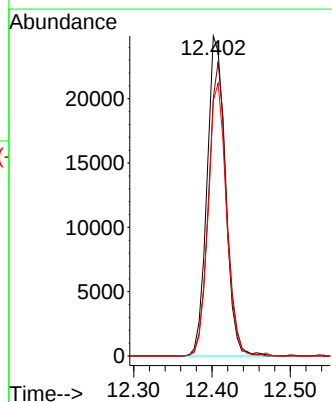
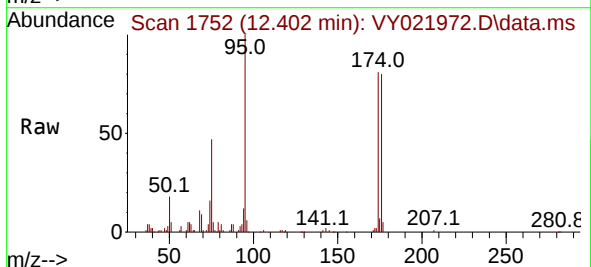
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-04222025

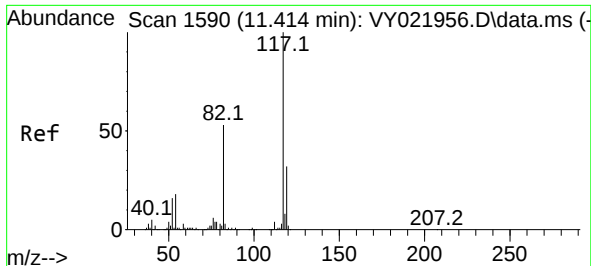
Tgt Ion: 98 Resp: 183375
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 29.606 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

Tgt Ion: 95 Resp: 40281
Ion Ratio Lower Upper
95 100
174 90.1 0.0 179.0
176 84.8 0.0 171.8

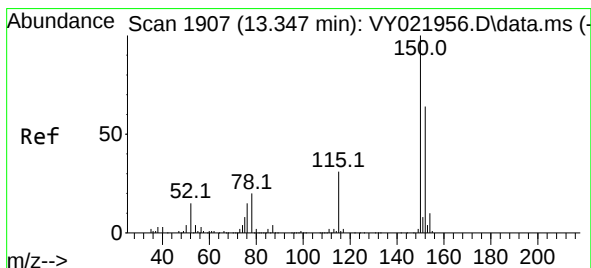
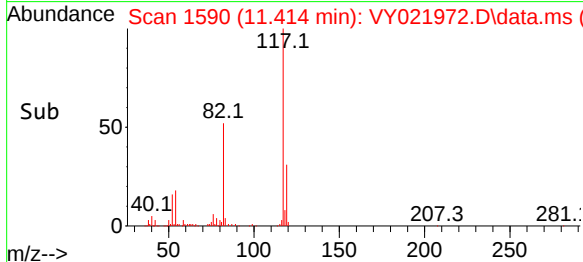
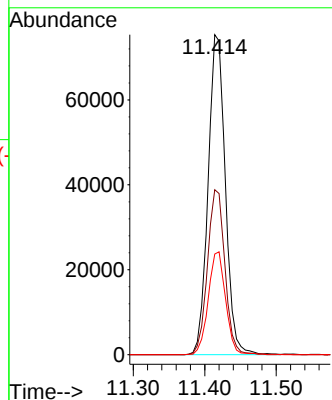
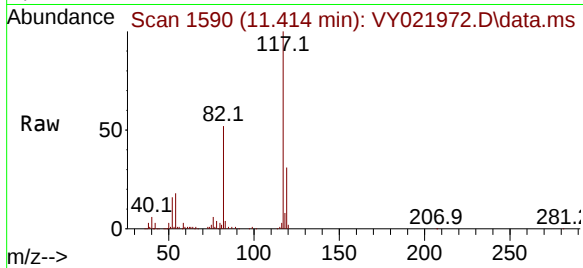




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY021972.D
Acq: 23 Apr 2025 15:27

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-04222025

Tgt Ion:	117	Resp:	126095
Ion Ratio	Lower	Upper	
117	100		
82	51.5	42.1	63.1
119	31.4	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: VY021972.D
Acq: 23 Apr 2025 15:27

Tgt Ion:	152	Resp:	38624
Ion Ratio	Lower	Upper	
152	100		
115	56.5	28.0	84.0
150	152.8	0.0	345.6

