

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022397.D
 Acq On : 22 May 2025 15:42
 Operator : SY/MD
 Sample : Q2100-01
 Misc : 6.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-16

Quant Time: May 23 03:39:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.720	168	18454	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	26326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	15957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	3421	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	6433	31.896	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	63.800%
35) Dibromofluoromethane	7.640	113	5839	37.161	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.320%
50) Toluene-d8	10.115	98	28992	45.051	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.100%
62) 4-Bromofluorobenzene	12.414	95	4758	23.326	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.660%

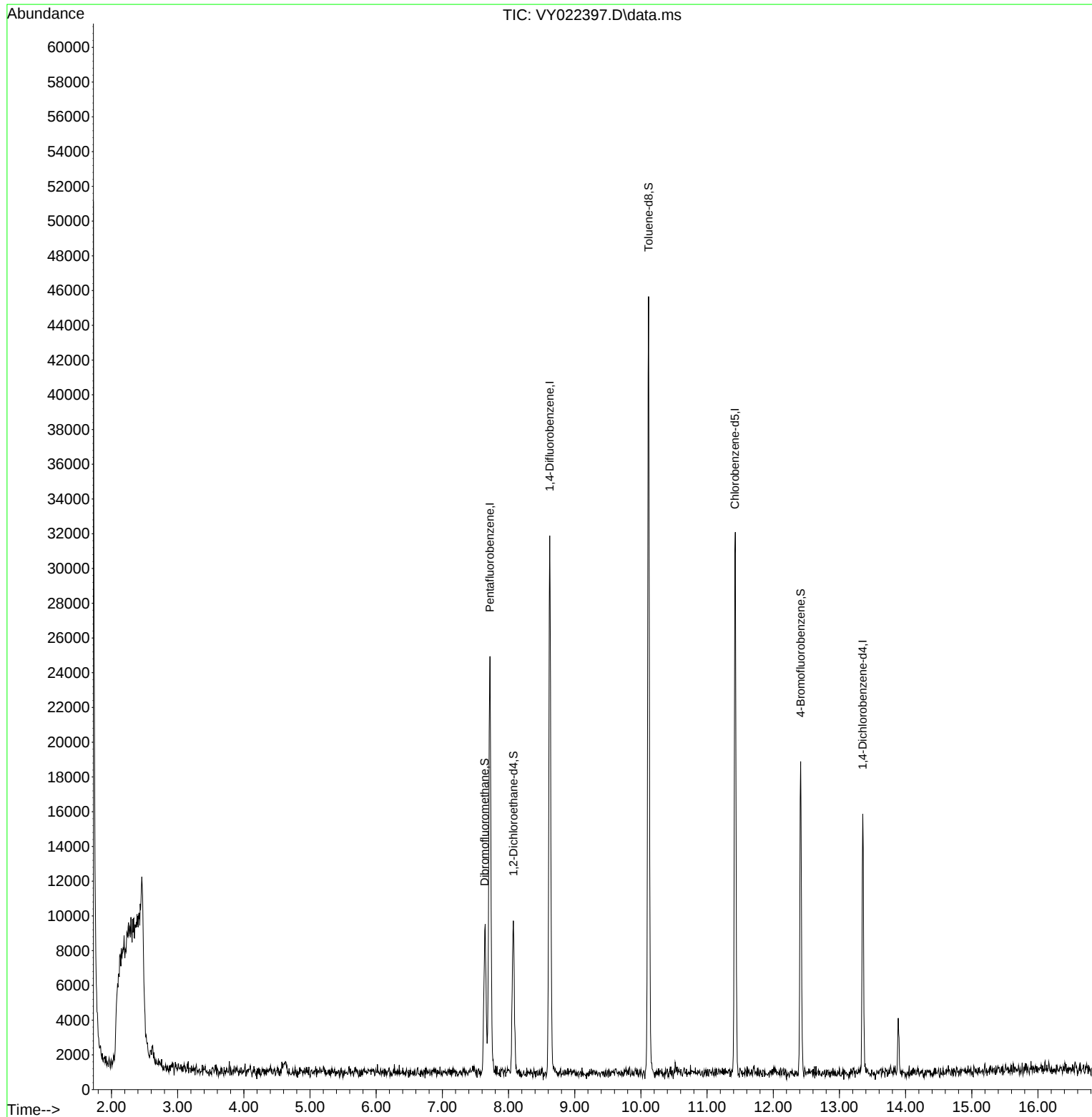
Target Compounds	Qvalue

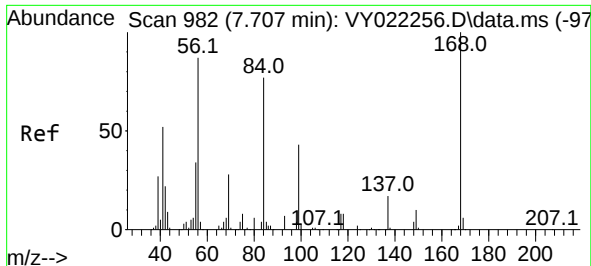
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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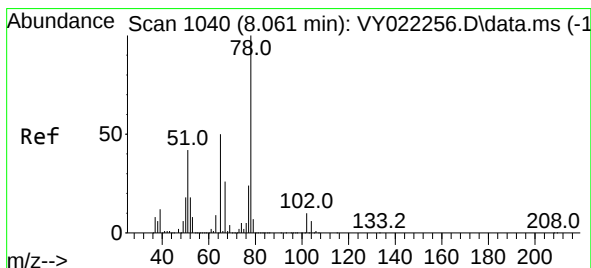
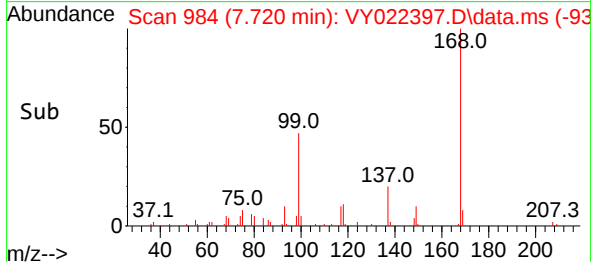
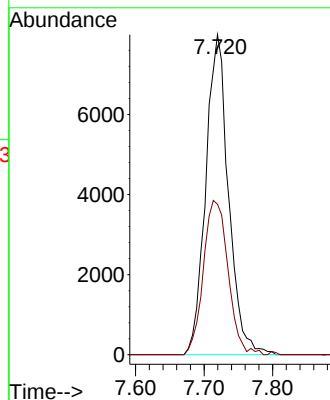
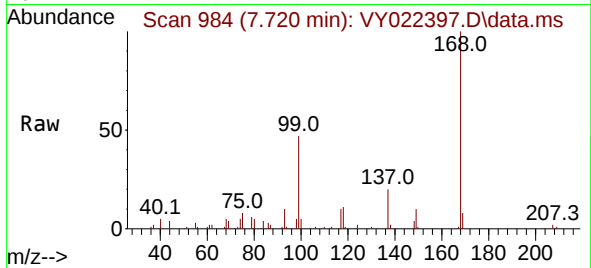




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 982
Delta R.T. 0.013 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

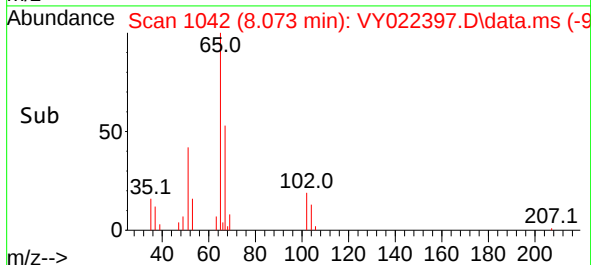
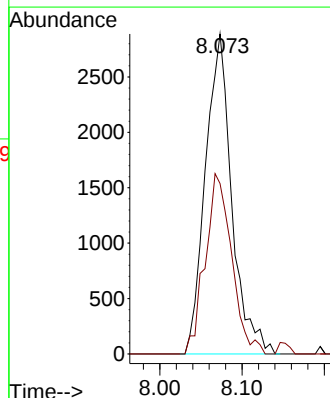
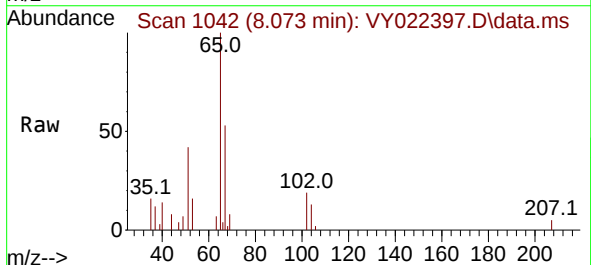
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

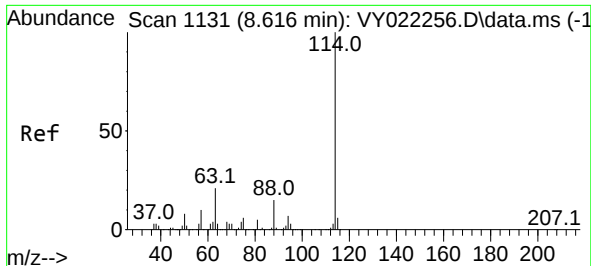
Tgt Ion:168 Resp: 18454
Ion Ratio Lower Upper
168 100
99 47.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 31.896 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Tgt Ion: 65 Resp: 6433
Ion Ratio Lower Upper
65 100
67 56.5 0.0 104.6

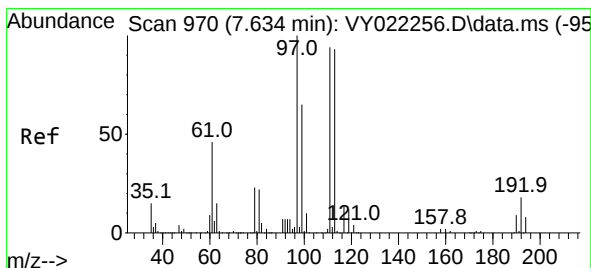
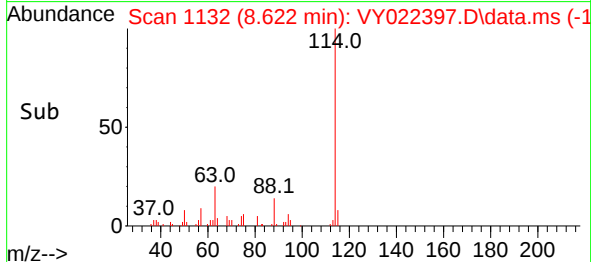
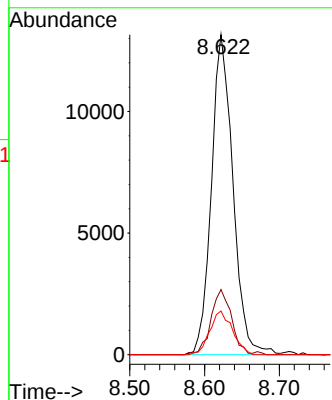
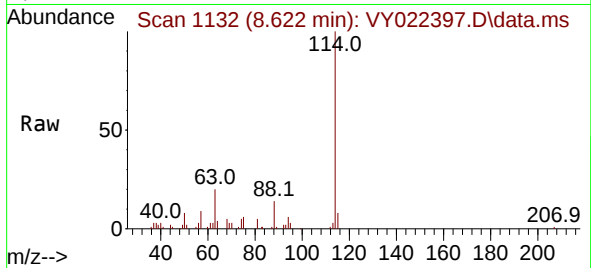




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

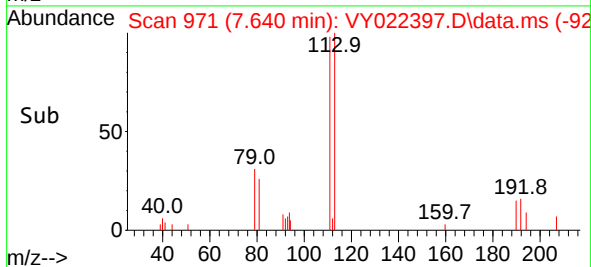
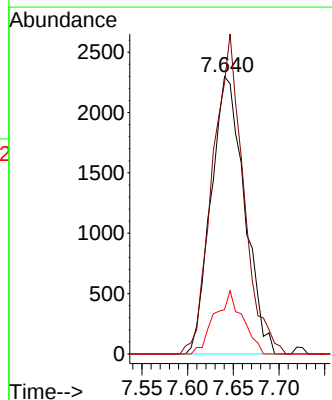
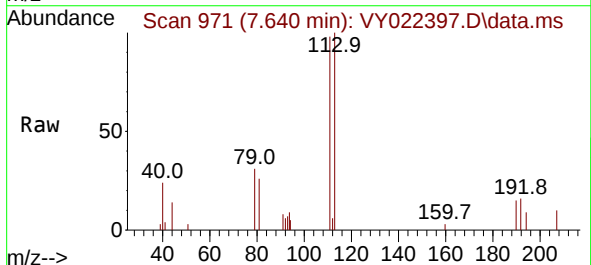
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

Tgt Ion:	114	Resp:	26326
Ion Ratio	Lower	Upper	
114	100		
63	20.4	0.0	41.0
88	13.6	0.0	29.4



#35
Dibromofluoromethane
Concen: 37.161 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Tgt Ion:	113	Resp:	5839
Ion Ratio	Lower	Upper	
113	100		
111	106.3	82.6	123.8
192	19.0	15.2	22.8

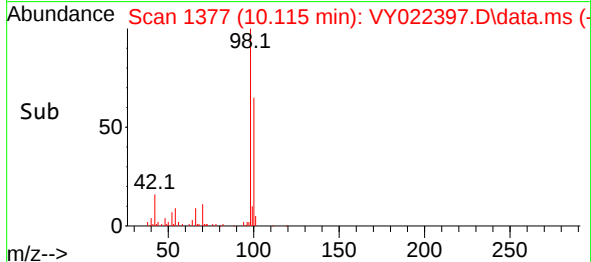
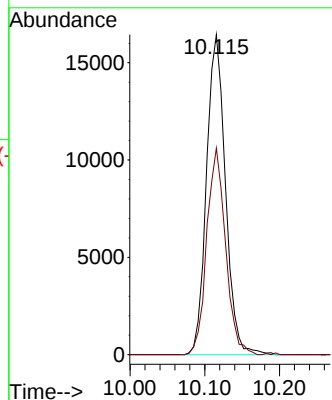
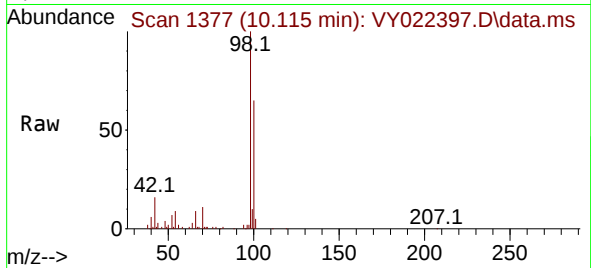




#50
Toluene-d8
Concen: 45.051 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

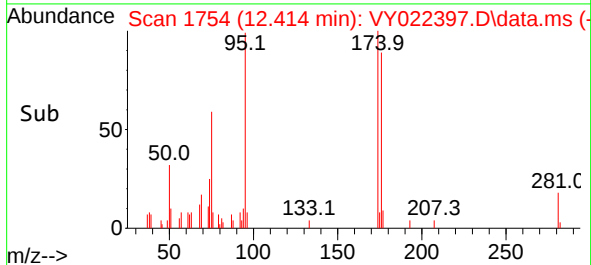
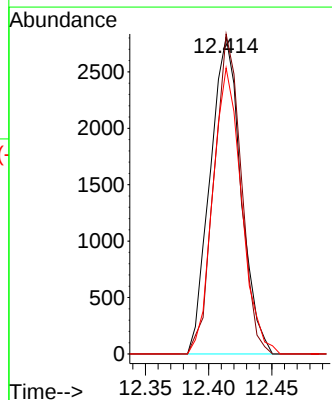
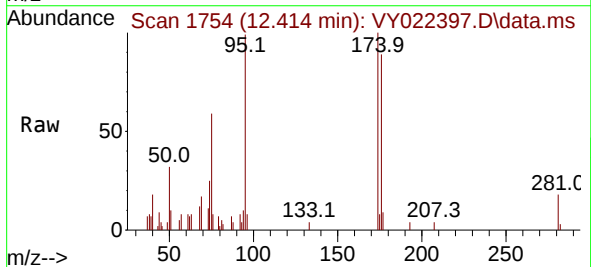
Instrument :
MSVOA_Y
ClientSampleId :
TP-16

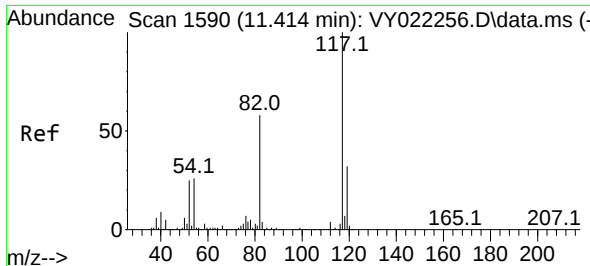
Tgt Ion: 98 Resp: 28992
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 23.326 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Tgt Ion: 95 Resp: 4758
Ion Ratio Lower Upper
95 100
174 88.5 0.0 166.8
176 84.2 0.0 160.8

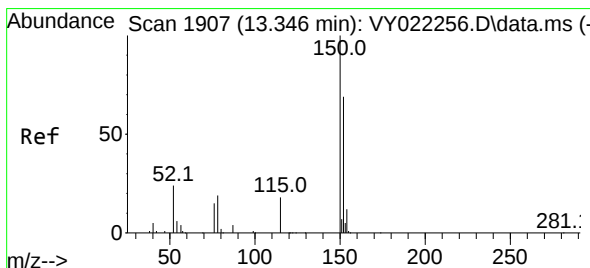
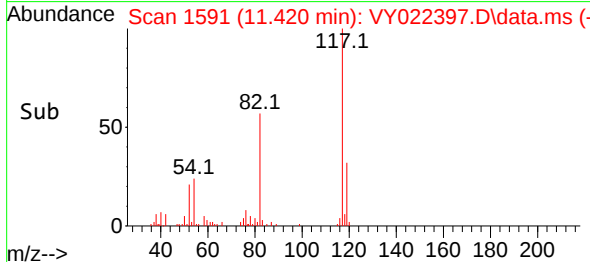
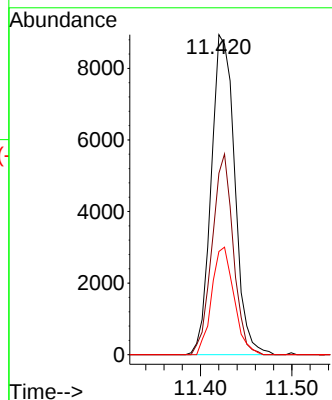
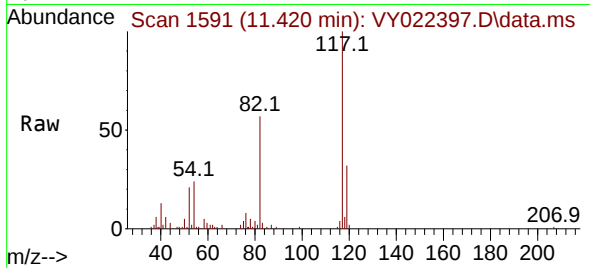




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Instrument :
MSVOA_Y
ClientSampleId :
TP-16

Tgt Ion:117	Resp:	15957
Ion Ratio	Lower	Upper
117	100	
82	56.7	46.6 70.0
119	32.2	25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022397.D
Acq: 22 May 2025 15:42

Tgt Ion:152	Resp:	3421
Ion Ratio	Lower	Upper
152	100	
115	65.2	29.4 88.2
150	159.1	0.0 353.8

