

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022366.D
 Acq On : 21 May 2025 14:44
 Operator : SY/MD
 Sample : Q2097-13
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251372

Quant Time: May 22 00:10:51 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	7.713	168	259523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	452832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	361760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137753	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	125101	44.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.220%
35) Dibromofluoromethane	7.640	113	129725	47.997	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.000%
50) Toluene-d8	10.109	98	543681	49.116	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.240%
62) 4-Bromofluorobenzene	12.408	95	137995	39.330	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.660%

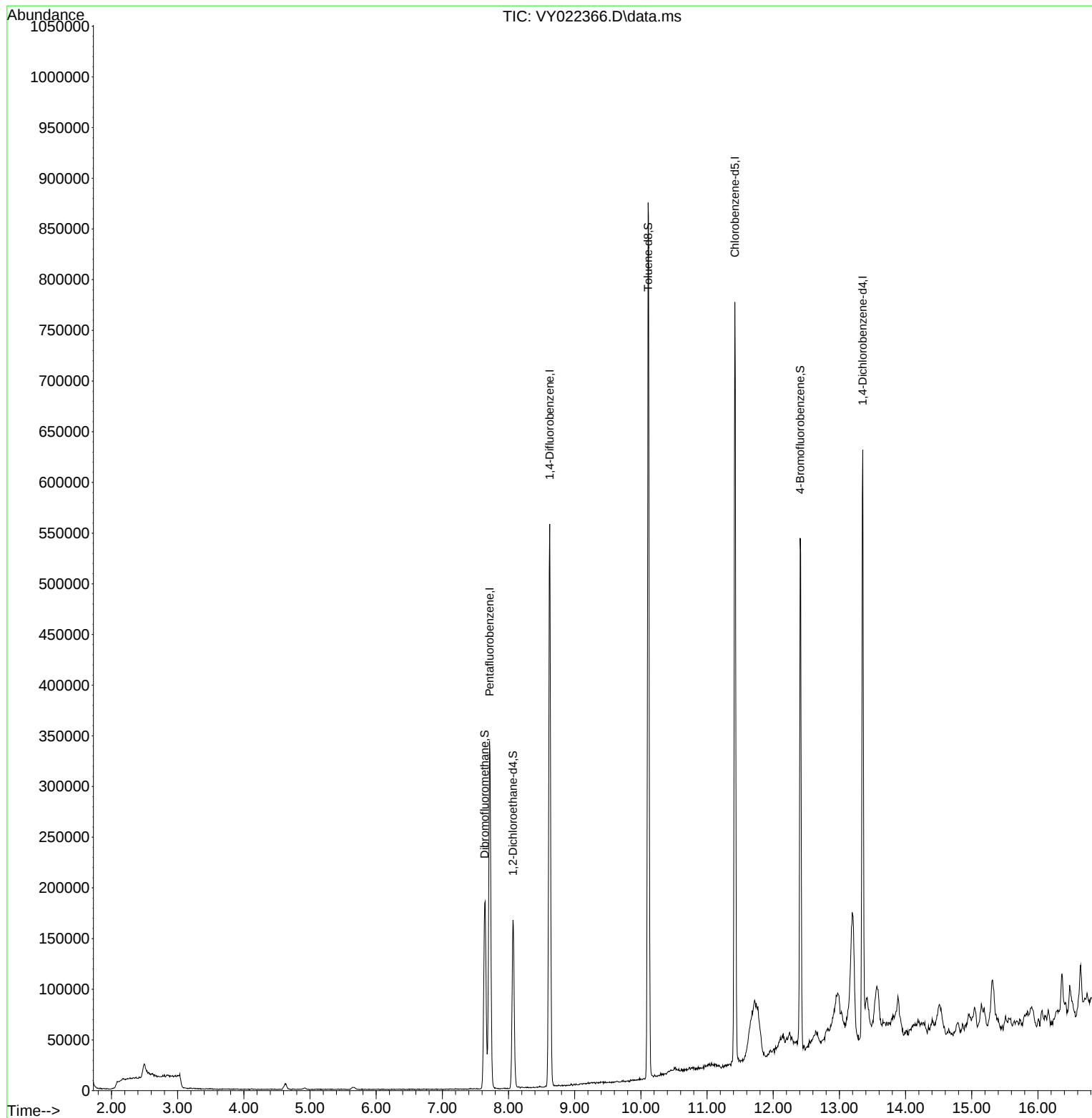
Target Compounds	Qvalue

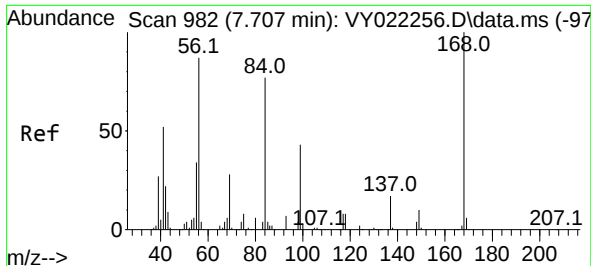
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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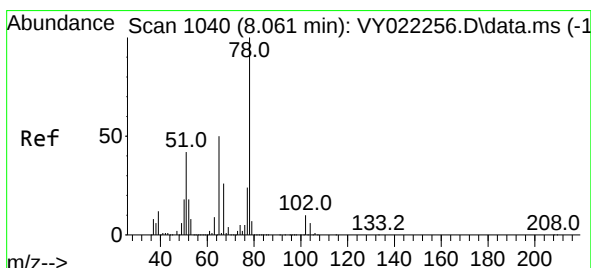
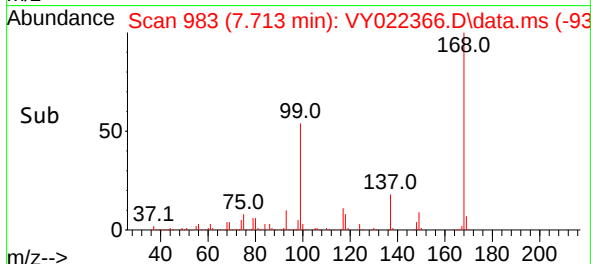
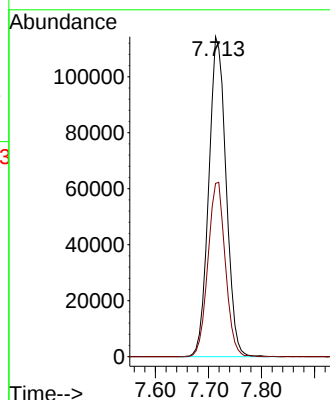
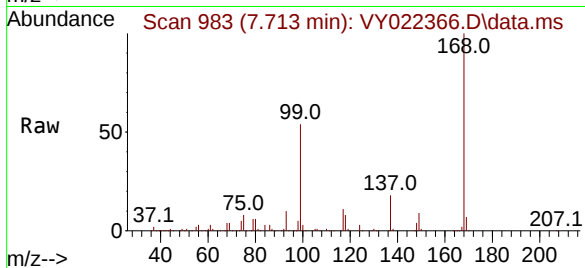




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

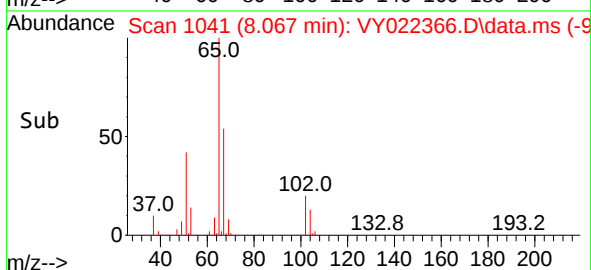
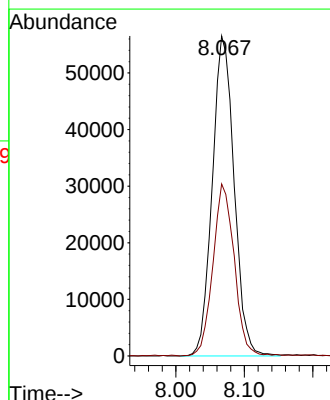
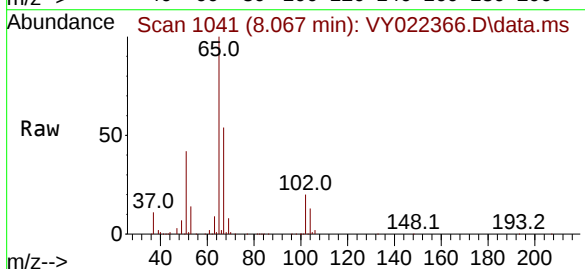
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

Tgt Ion:168 Resp: 259523
Ion Ratio Lower Upper
168 100
99 54.2 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 44.106 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Tgt Ion: 65 Resp: 125101
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6

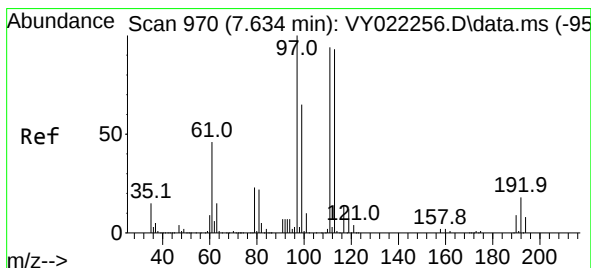
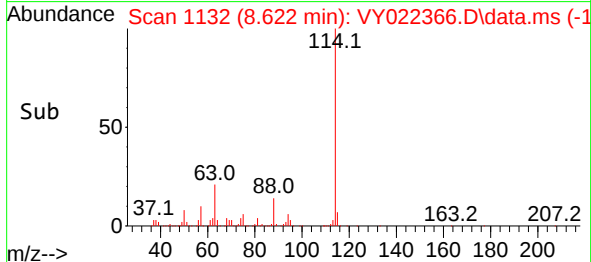
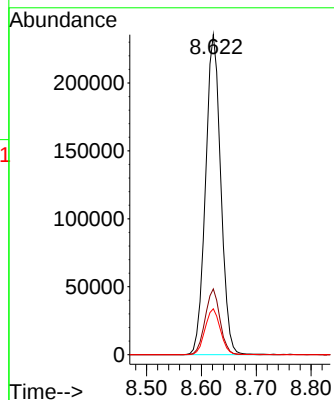
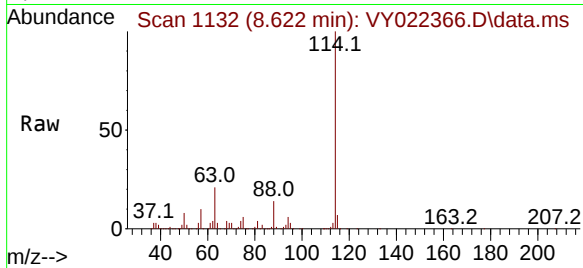




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

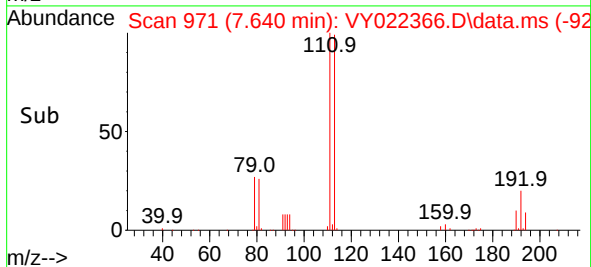
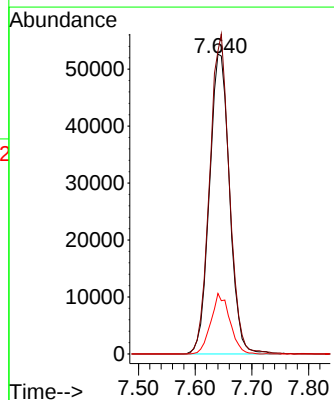
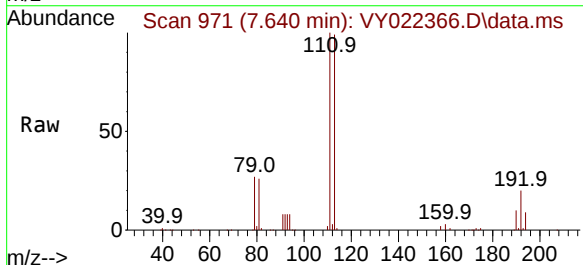
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

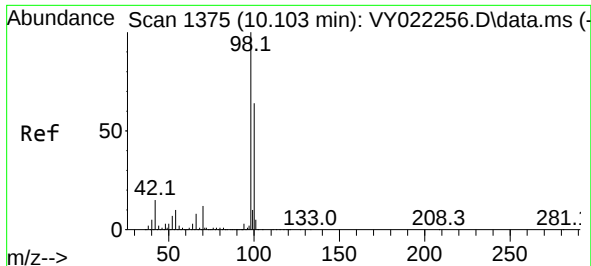
Tgt Ion:114 Resp: 452832
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.0
88 14.3 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.997 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Tgt Ion:113 Resp: 129725
Ion Ratio Lower Upper
113 100
111 104.7 82.6 123.8
192 19.0 15.2 22.8

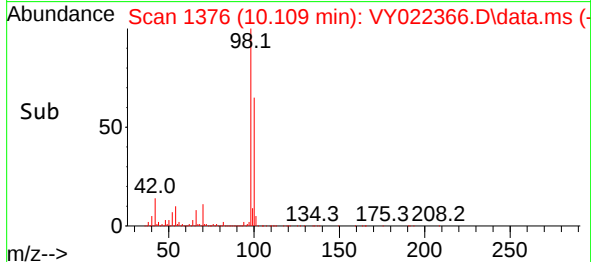
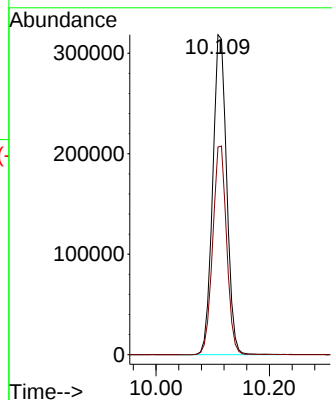
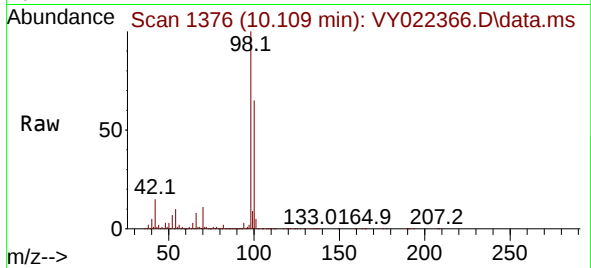




#50
Toluene-d8
Concen: 49.116 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

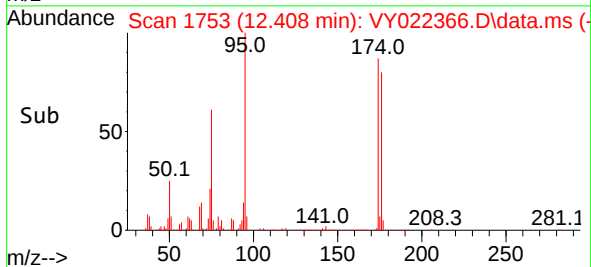
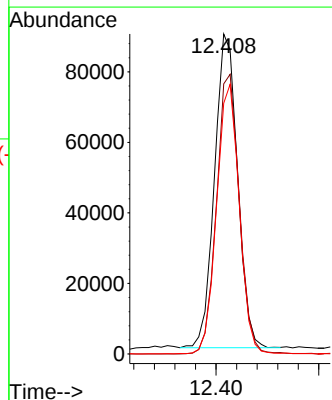
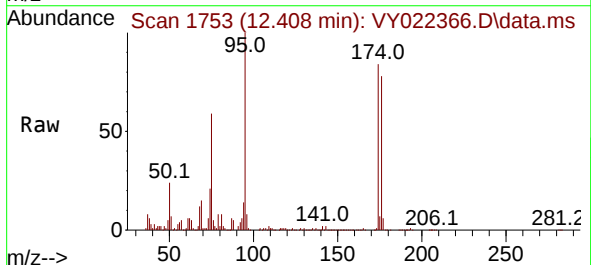
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

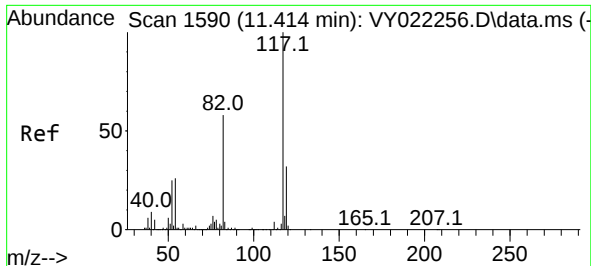
Tgt Ion: 98 Resp: 543681
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.330 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Tgt Ion: 95 Resp: 137995
Ion Ratio Lower Upper
95 100
174 88.8 0.0 166.8
176 84.7 0.0 160.8

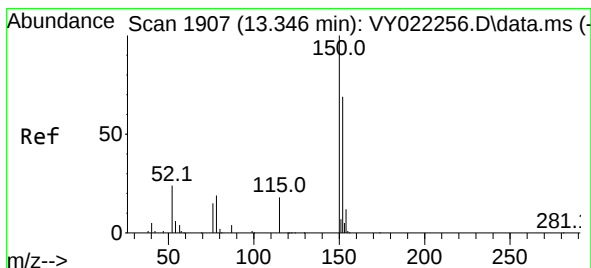
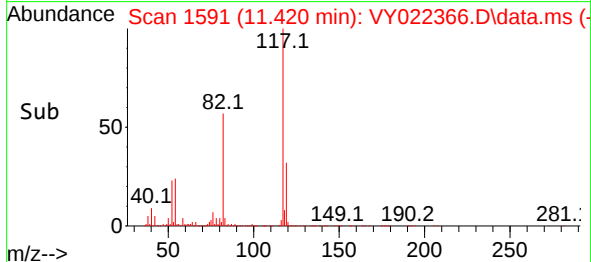
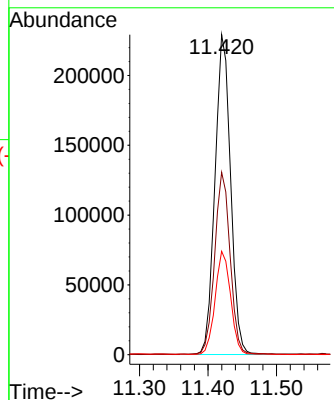
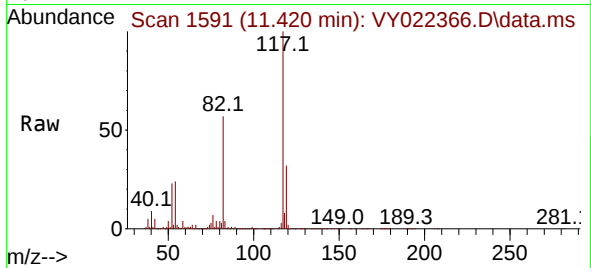




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

Tgt Ion:117 Resp: 361760
Ion Ratio Lower Upper
117 100
82 56.9 46.6 70.0
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Tgt Ion:152 Resp: 137753
Ion Ratio Lower Upper
152 100
115 57.1 29.4 88.2
150 154.6 0.0 353.8

