

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022362.D
 Acq On : 21 May 2025 13:11
 Operator : SY/MD
 Sample : Q2097-05
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251675

Quant Time: May 22 00:09:11 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	7.719	168	245276	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	436774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	342831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	123993	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	122445	45.678	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.360%
35) Dibromofluoromethane	7.640	113	128264	49.201	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.400%
50) Toluene-d8	10.115	98	519887	48.693	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.380%
62) 4-Bromofluorobenzene	12.408	95	129116	38.153	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.300%

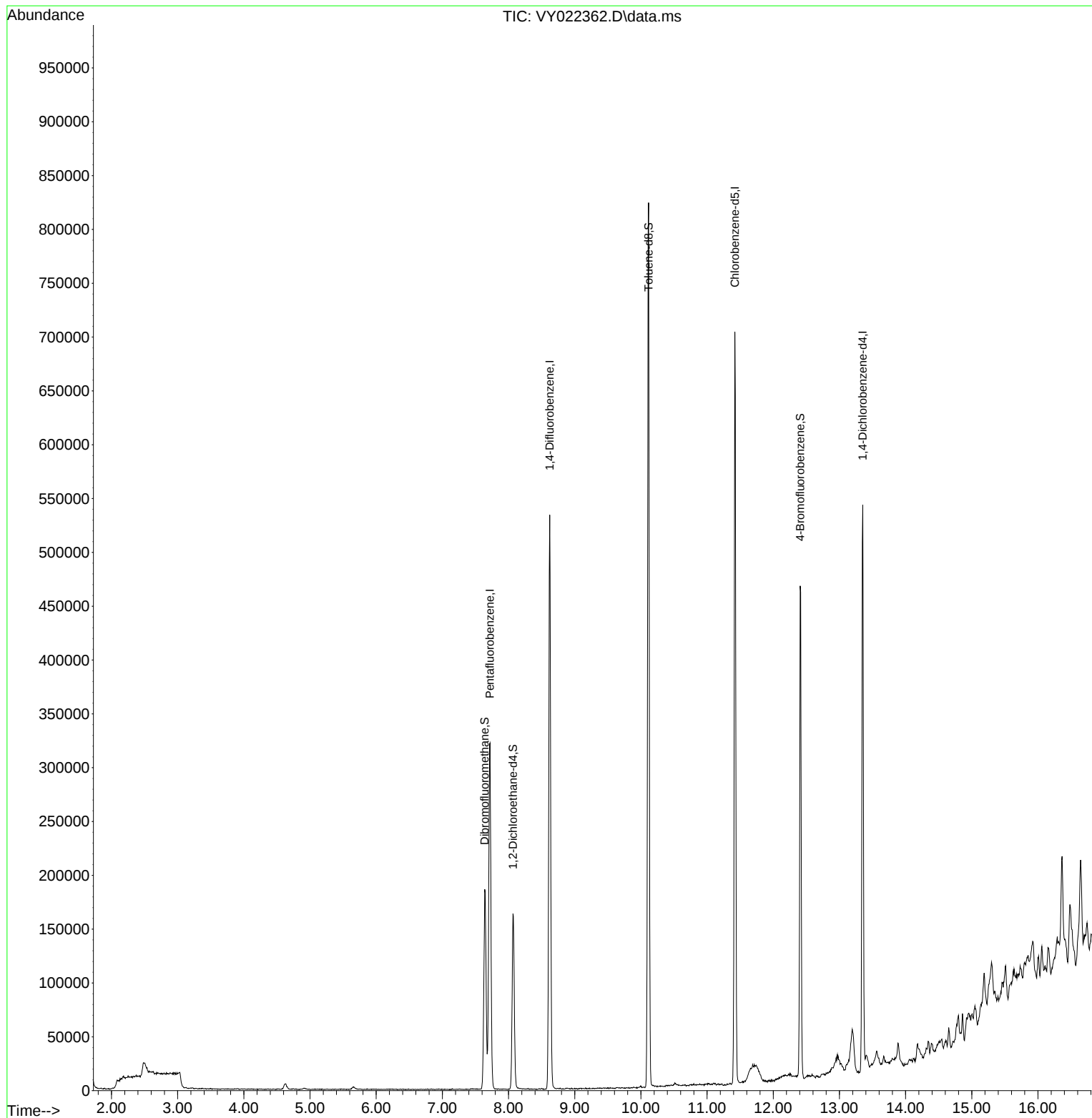
Target Compounds	Qvalue

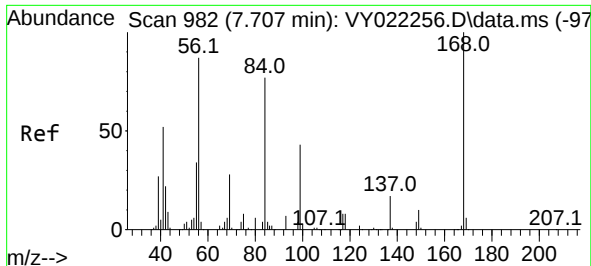
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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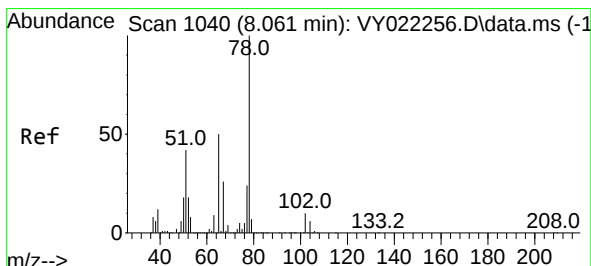
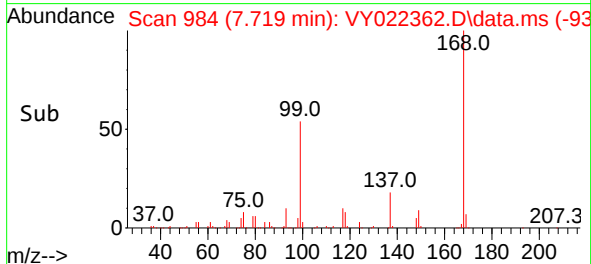
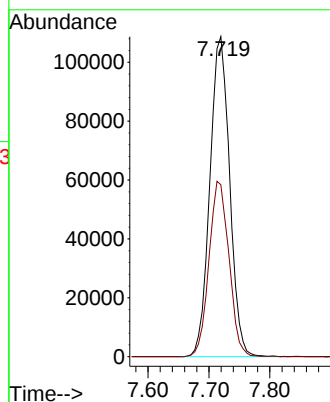
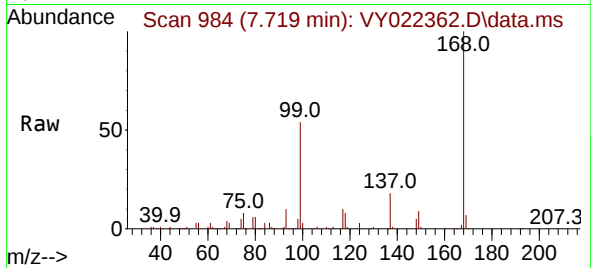




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

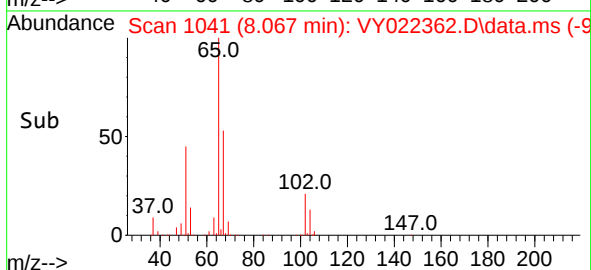
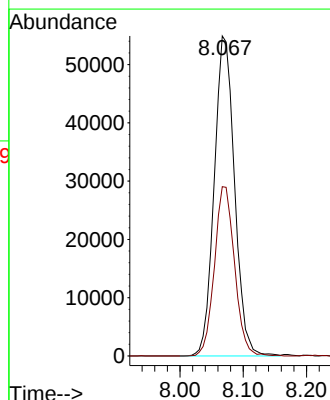
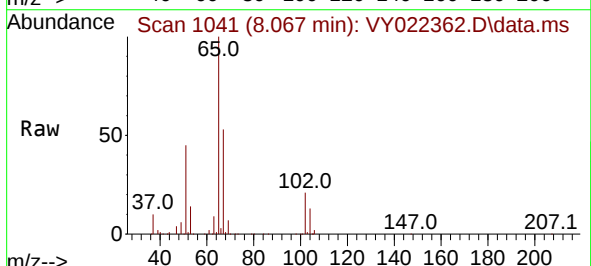
Instrument :
MSVOA_Y
ClientSampleId :
RBR251675

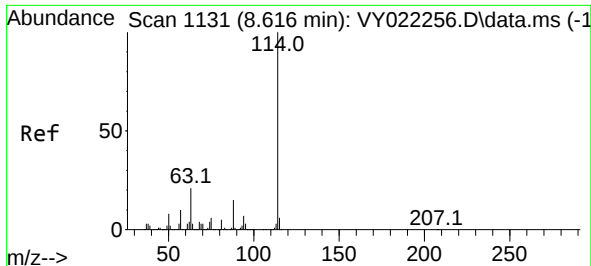
Tgt Ion:168 Resp: 245276
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 45.678 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

Tgt Ion: 65 Resp: 122445
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6

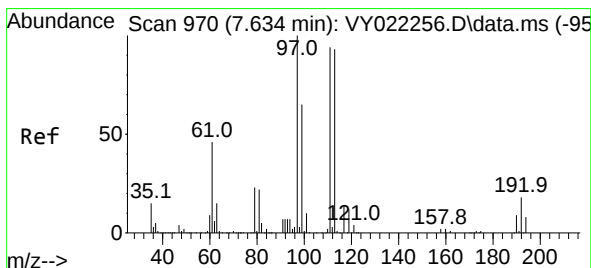
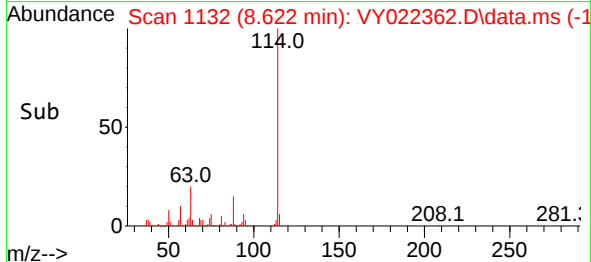
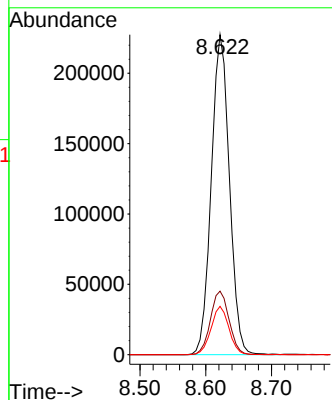
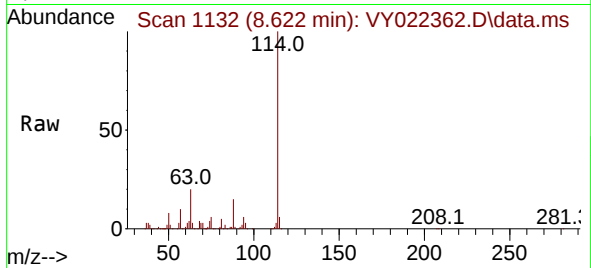




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

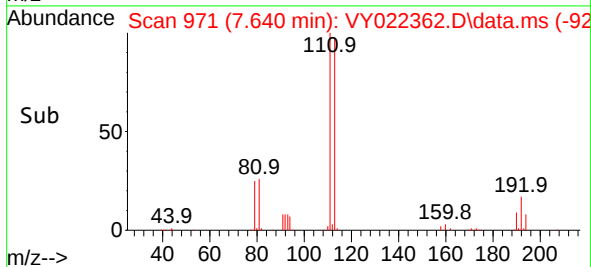
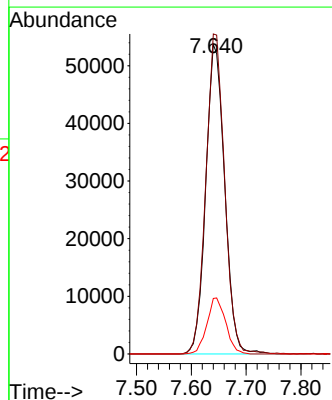
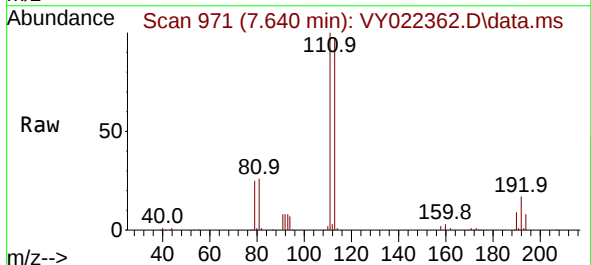
Instrument :
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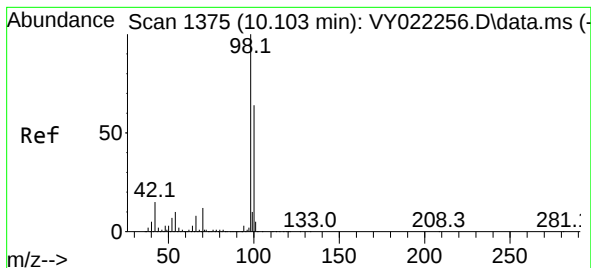
Tgt Ion:114 Resp: 436774
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.0
88 15.1 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.201 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

Tgt Ion:113 Resp: 128264
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 18.0 15.2 22.8

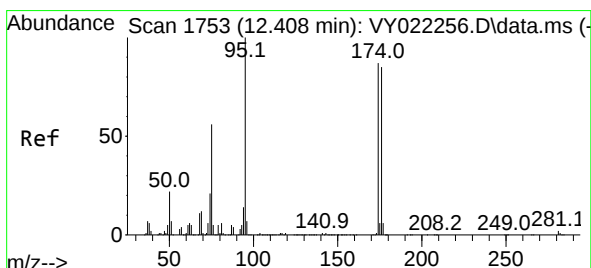
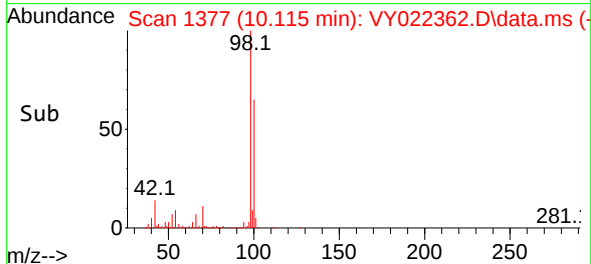
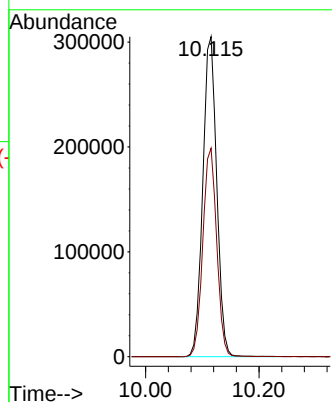
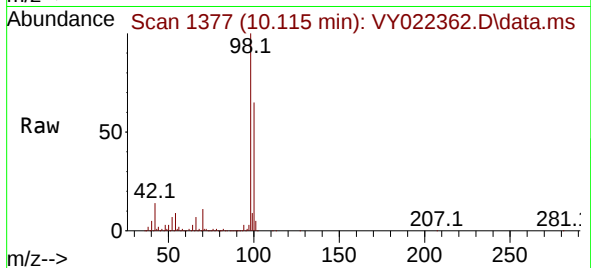




#50
Toluene-d8
Concen: 48.693 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

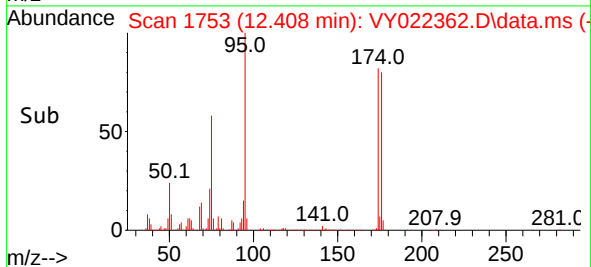
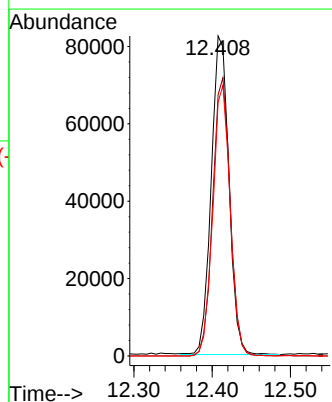
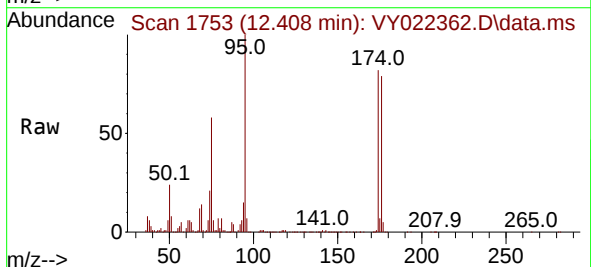
Instrument :
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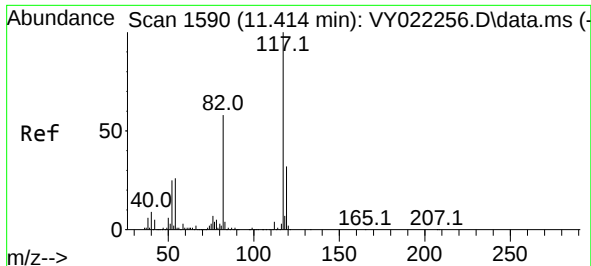
Tgt Ion: 98 Resp: 519887
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.153 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

Tgt Ion: 95 Resp: 129116
Ion Ratio Lower Upper
95 100
174 86.3 0.0 166.8
176 83.4 0.0 160.8

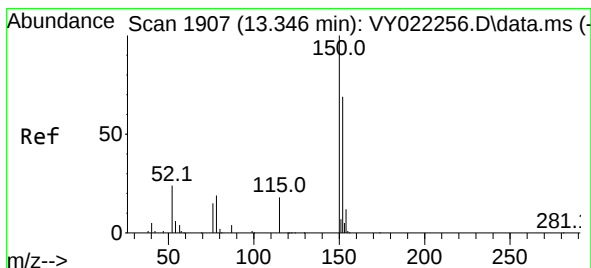
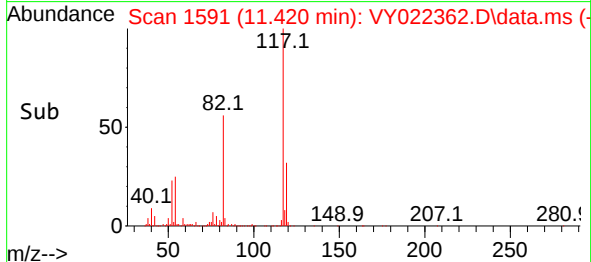
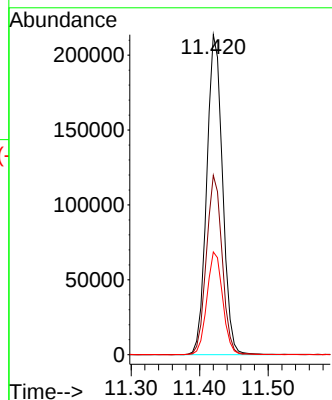
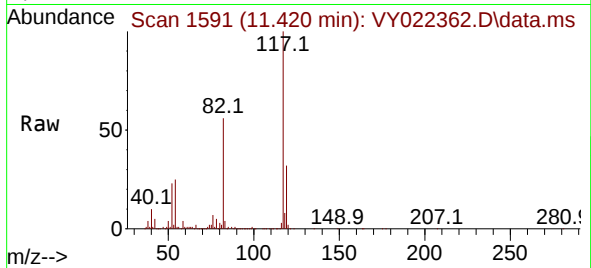




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
RBR251675

Tgt Ion:117 Resp: 342831
Ion Ratio Lower Upper
117 100
82 56.0 46.6 70.0
119 32.1 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: VY022362.D
Acq: 21 May 2025 13:11

Tgt Ion:152 Resp: 123993
Ion Ratio Lower Upper
152 100
115 56.0 29.4 88.2
150 155.5 0.0 353.8

