

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023909.D
 Acq On : 09 Dec 2025 15:30
 Operator : SY/MD
 Sample : Q3795-07
 Misc : 4.40g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200059-VOC

Quant Time: Dec 10 02:29:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	767353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1305014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1158137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	490208	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	362462	47.218	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.440%
35) Dibromofluoromethane	7.646	113	412908	49.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.660%
50) Toluene-d8	10.115	98	1489561	45.733	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.460%
62) 4-Bromofluorobenzene	12.408	95	450811	40.580	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.160%

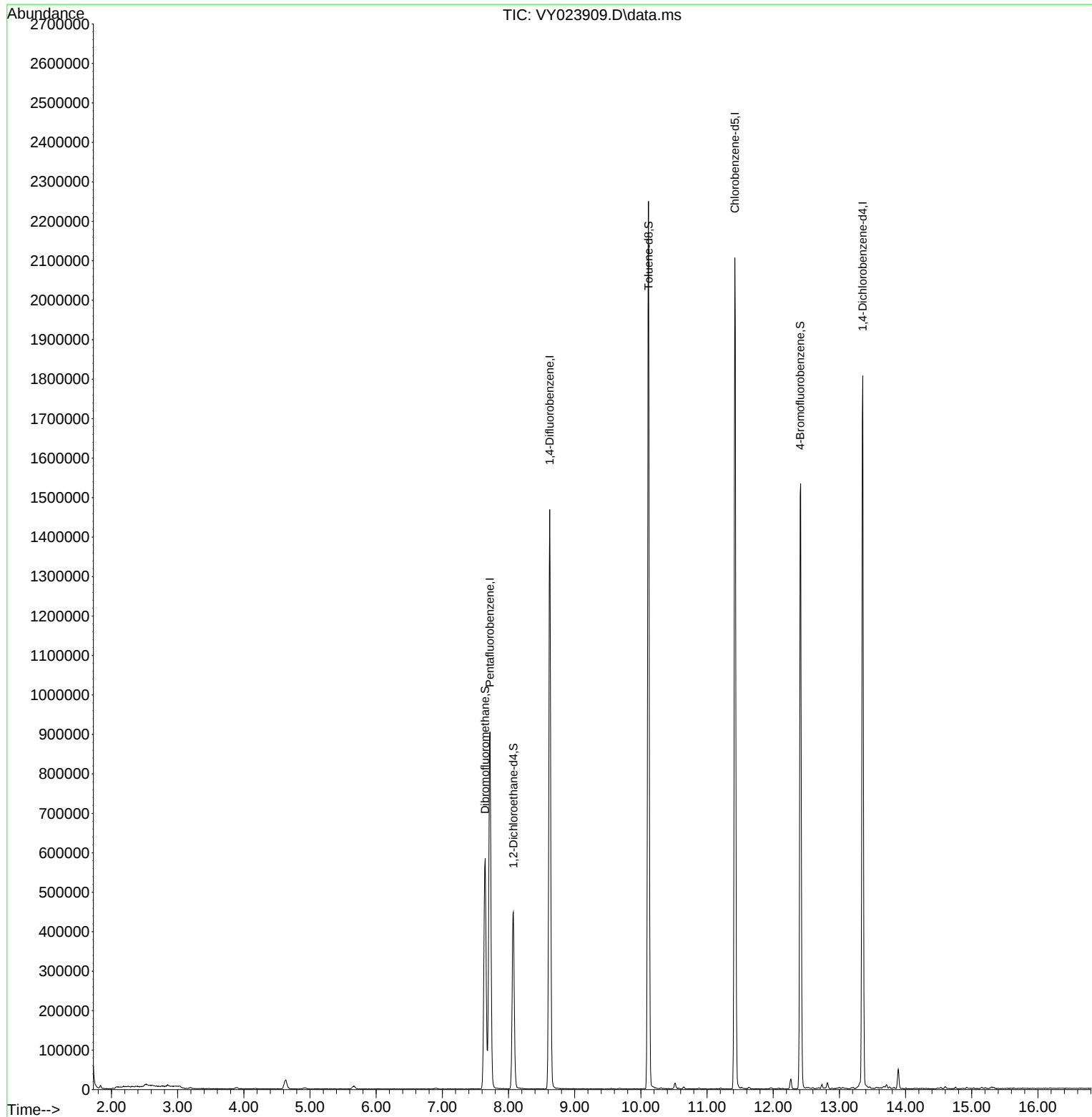
Target Compounds	Qvalue

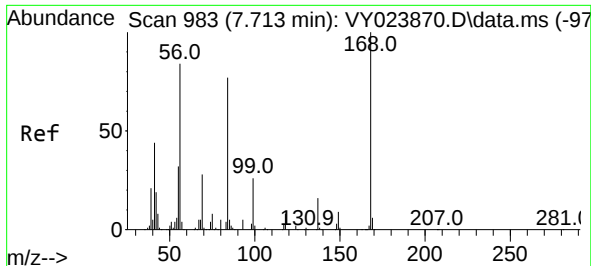
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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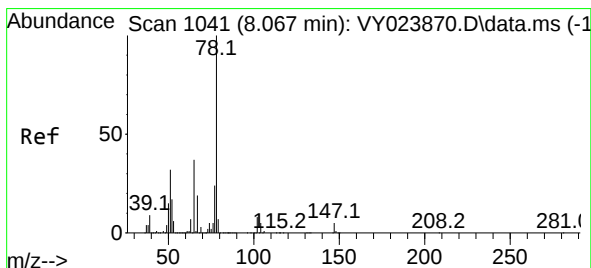
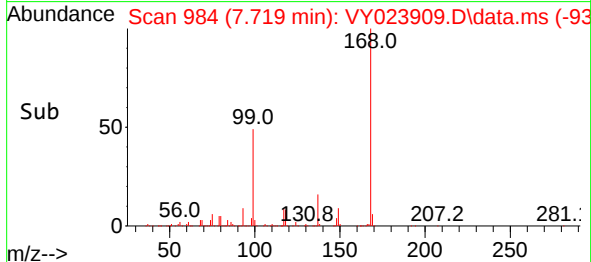
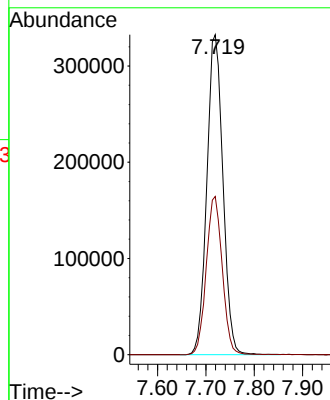
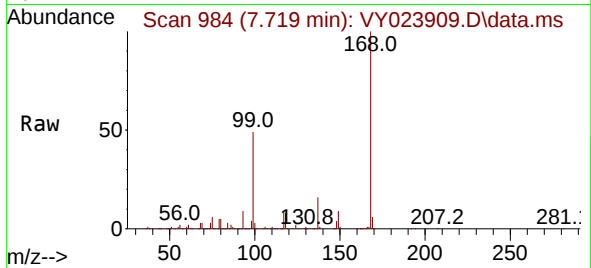




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

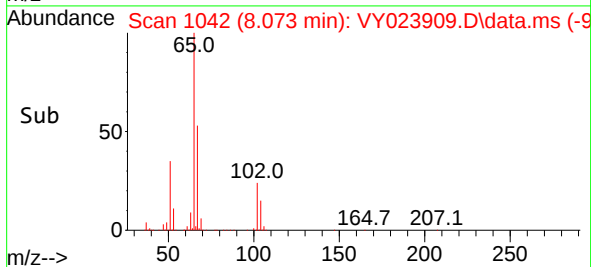
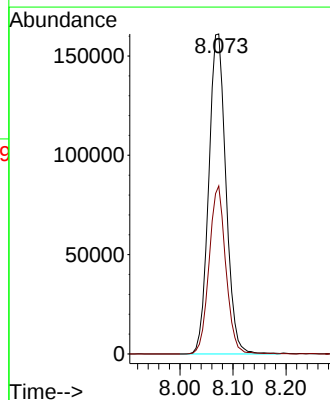
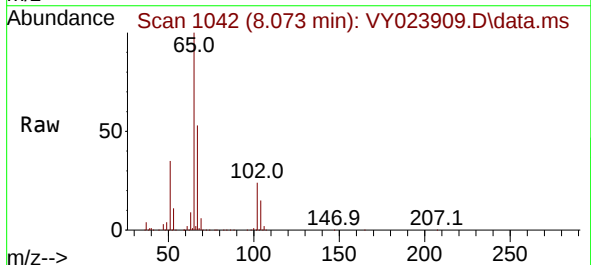
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200059-VOC

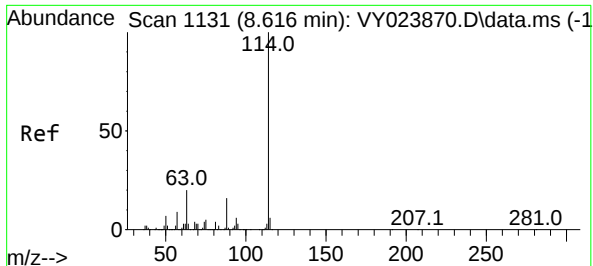
Tgt Ion:168 Resp: 767353
Ion Ratio Lower Upper
168 100
99 49.5 42.5 63.7



#33
1,2-Dichloroethane-d4
Concen: 47.218 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion: 65 Resp: 362462
Ion Ratio Lower Upper
65 100
67 51.1 0.0 107.2

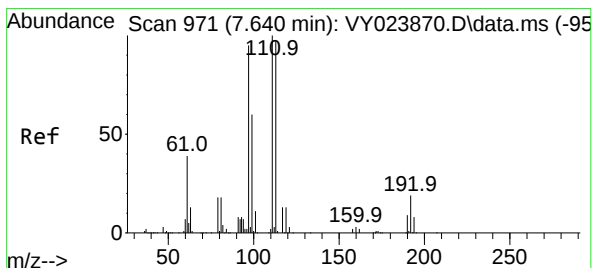
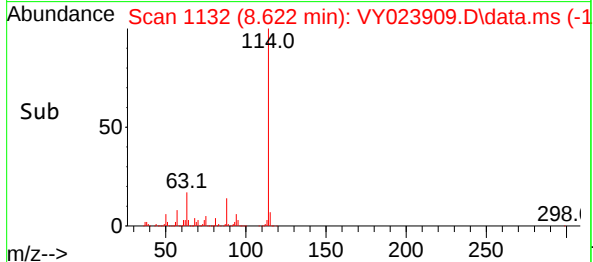
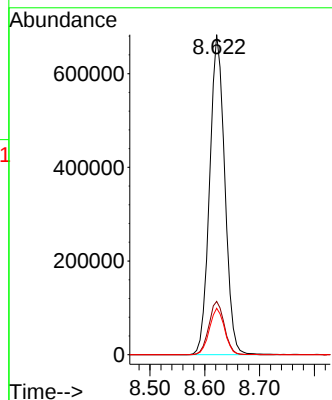
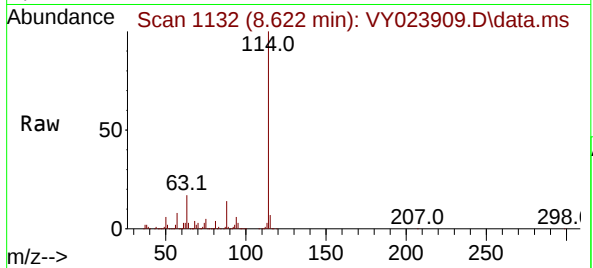




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

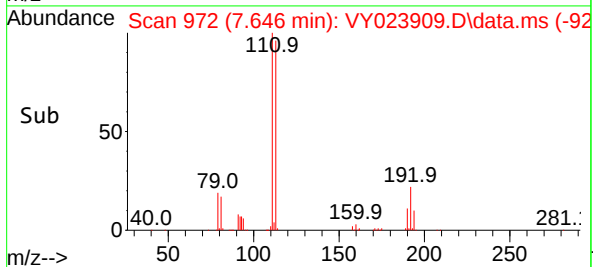
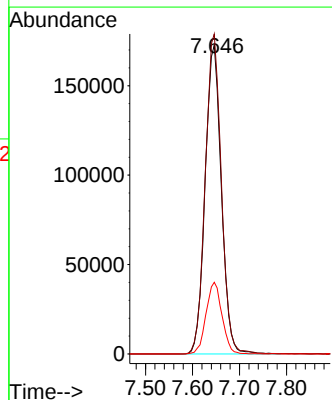
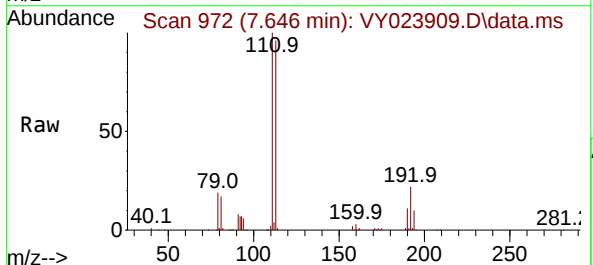
Instrument :
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ClientSampleId :
RBR-200059-VOC

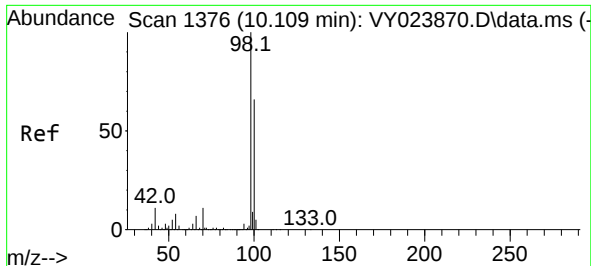
Tgt Ion:114 Resp: 1305014
Ion Ratio Lower Upper
114 100
63 16.6 0.0 39.2
88 14.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.332 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion:113 Resp: 412908
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 22.8 15.8 23.8

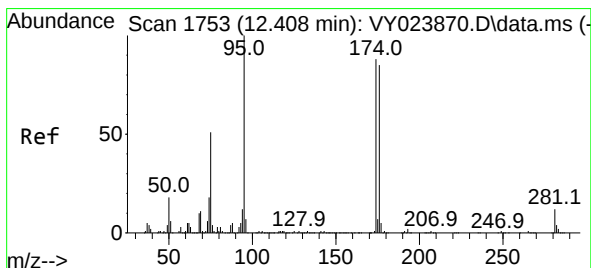
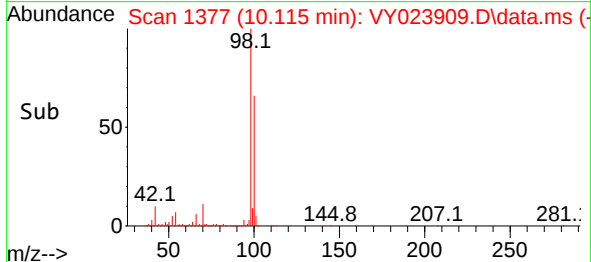
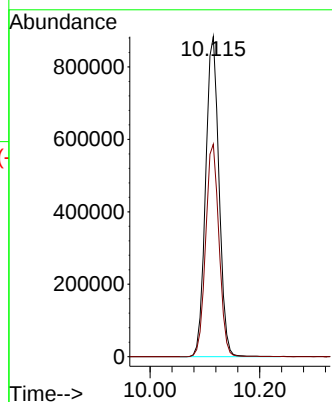
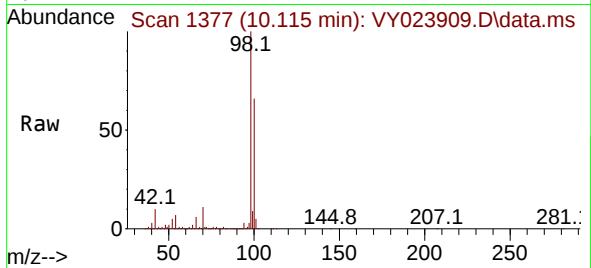




#50
Toluene-d8
Concen: 45.733 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

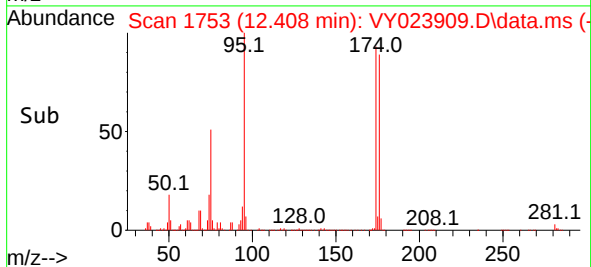
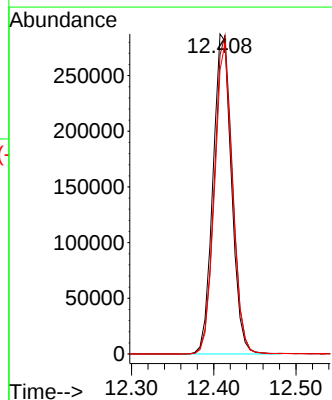
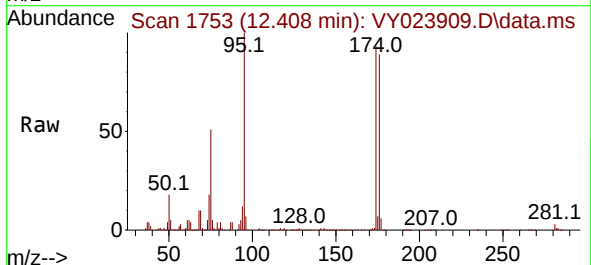
Instrument :
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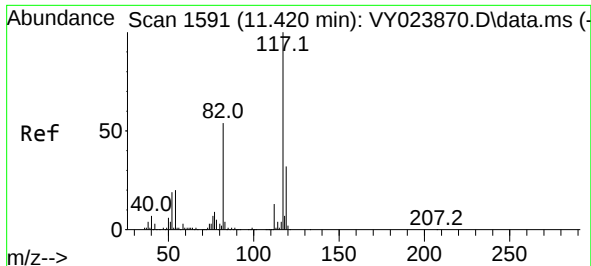
Tgt Ion: 98 Resp: 1489561
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 40.580 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion: 95 Resp: 450811
Ion Ratio Lower Upper
95 100
174 98.2 0.0 169.6
176 93.7 0.0 164.4

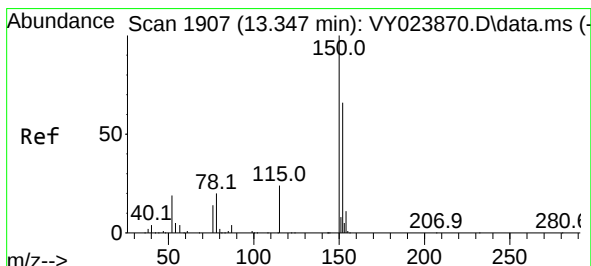
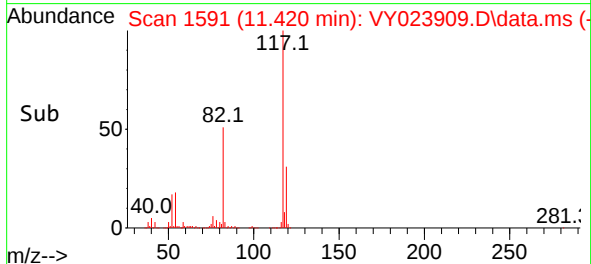
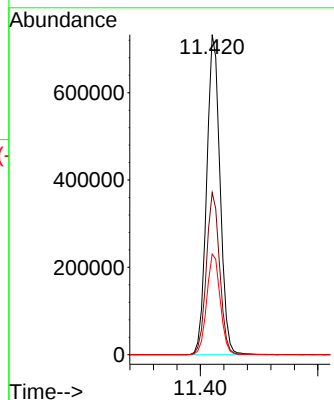
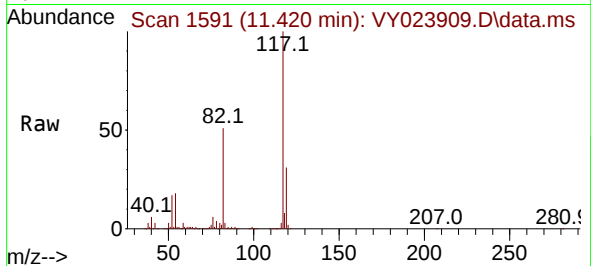




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200059-VOC

Tgt Ion:117 Resp: 1158137
Ion Ratio Lower Upper
117 100
82 50.7 43.1 64.7
119 31.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023909.D
Acq: 09 Dec 2025 15:30

Tgt Ion:152 Resp: 490208
Ion Ratio Lower Upper
152 100
115 53.8 28.8 86.4
150 157.5 0.0 352.2

