

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022359.D
 Acq On : 21 May 2025 12:00
 Operator : SY/MD
 Sample : Q2071-11
 Misc : 2.83g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-9-VOC

Quant Time: May 22 00:07:57 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	252049	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	448816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	355456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	128660	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	133230	48.365	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.740%
35) Dibromofluoromethane	7.646	113	132680	49.530	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.060%
50) Toluene-d8	10.115	98	534912	48.756	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.520%
62) 4-Bromofluorobenzene	12.408	95	132745	38.173	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.340%

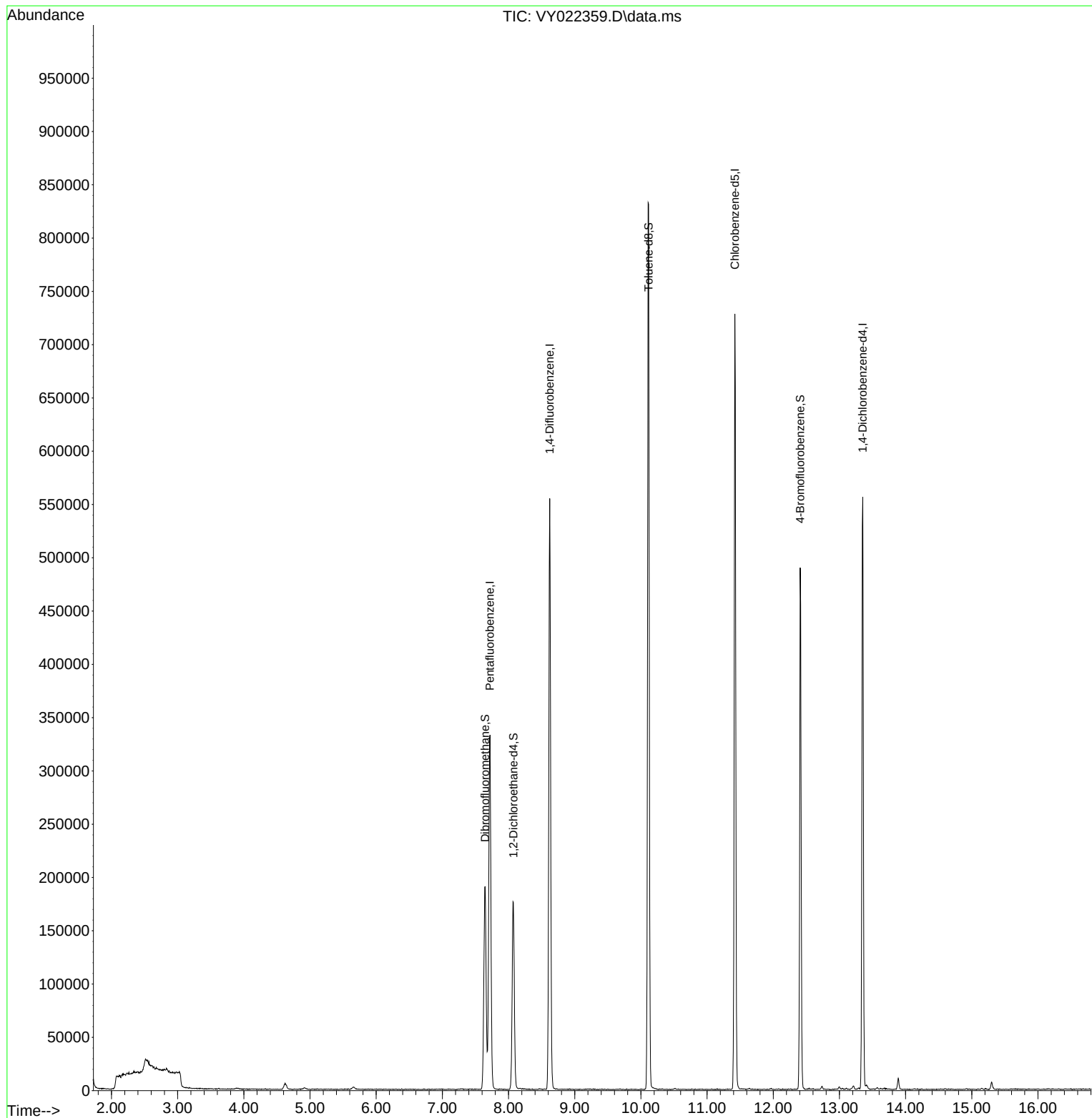
Target Compounds	Qvalue

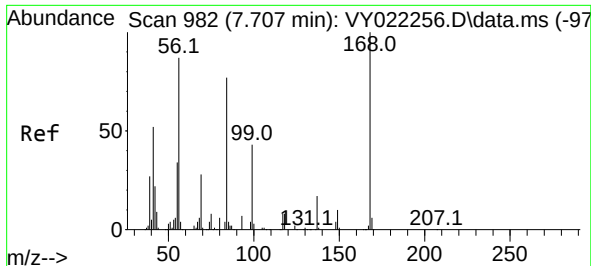
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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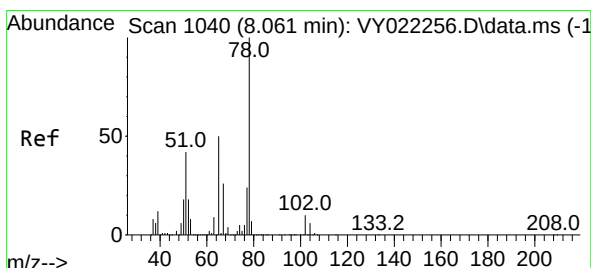
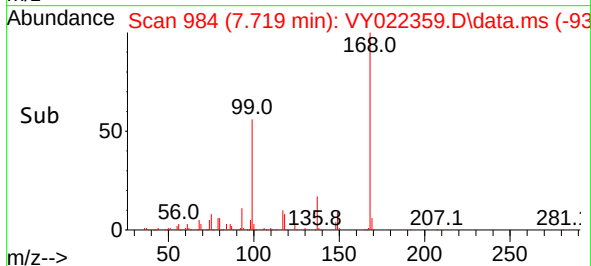
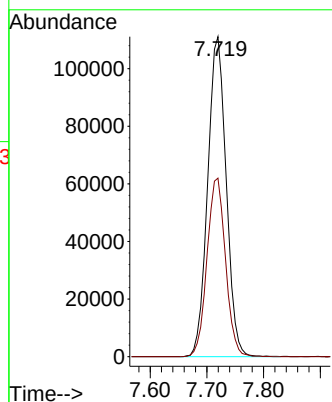
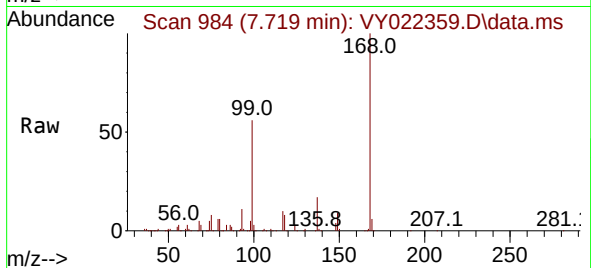




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

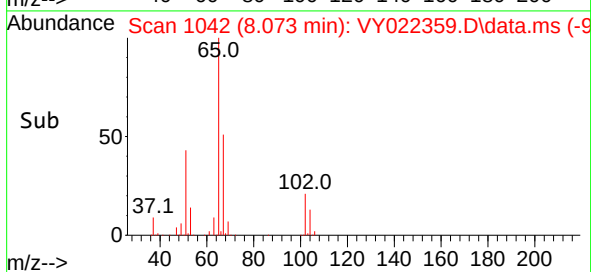
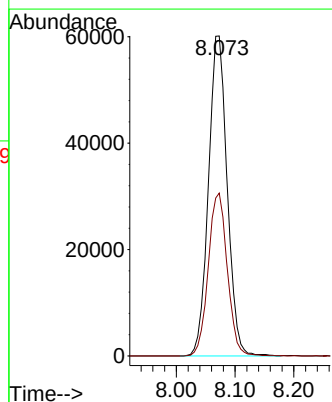
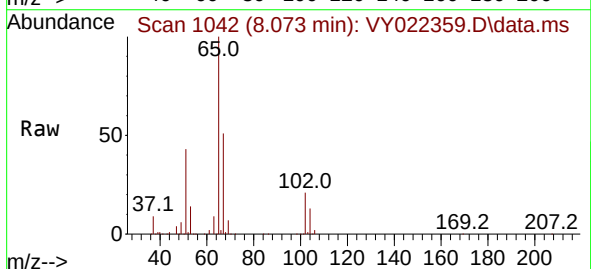
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-9-VOC

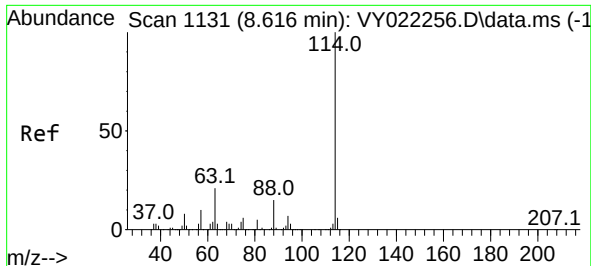
Tgt Ion:168 Resp: 252049
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.365 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

Tgt Ion: 65 Resp: 133230
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6

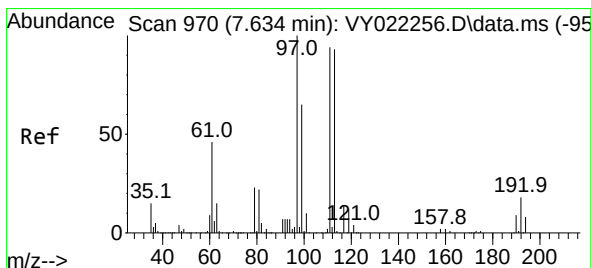
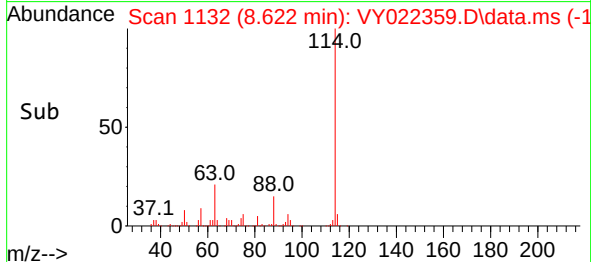
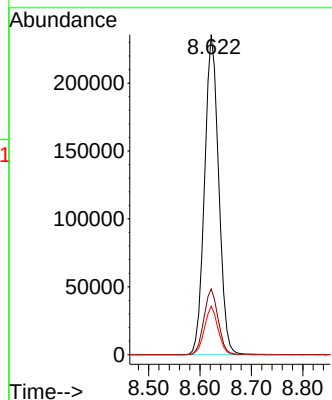
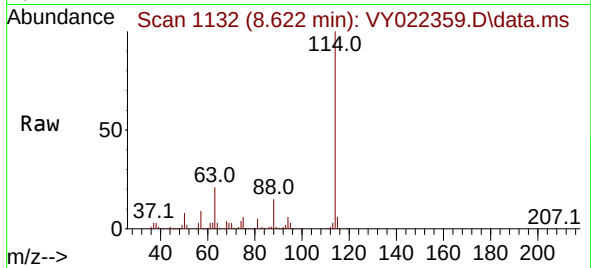




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

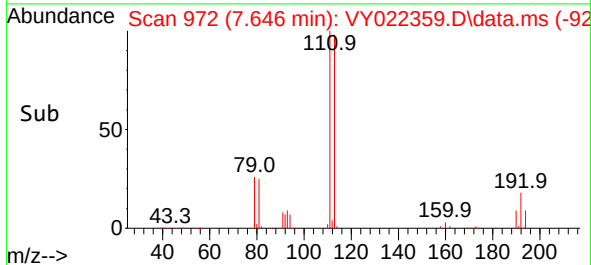
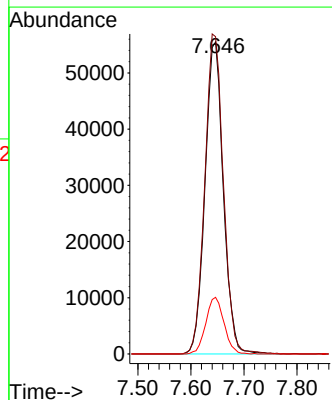
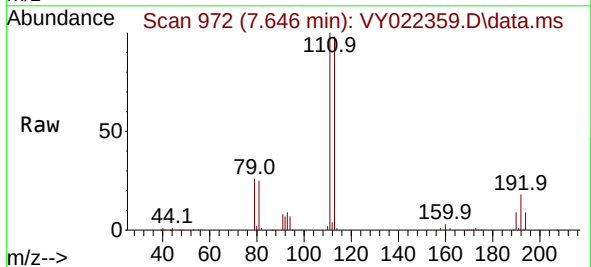
Instrument :
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ClientSampleId :
L1-WC-9-VOC

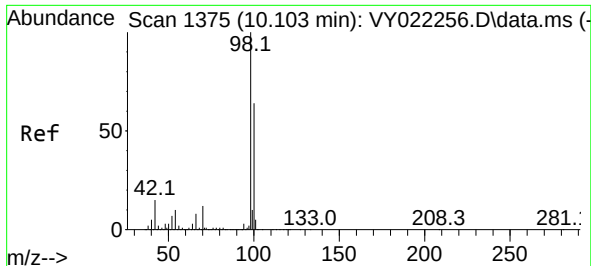
Tgt Ion:114 Resp: 448816
Ion Ratio Lower Upper
114 100
63 20.6 0.0 41.0
88 15.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.530 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

Tgt Ion:113 Resp: 132680
Ion Ratio Lower Upper
113 100
111 104.4 82.6 123.8
192 18.0 15.2 22.8

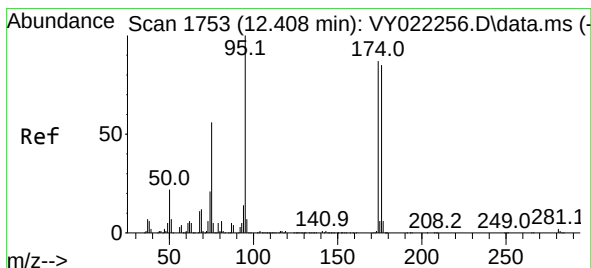
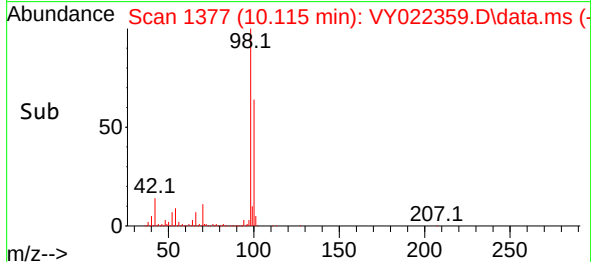
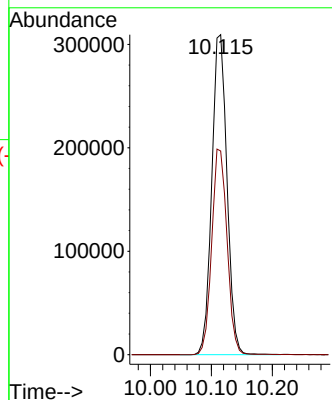
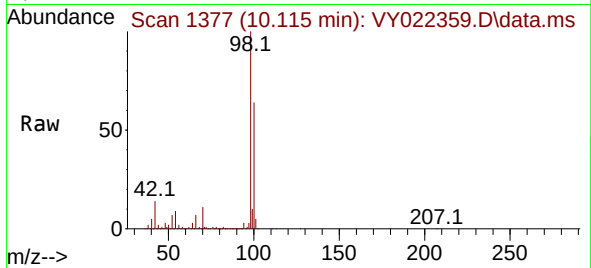




#50
Toluene-d8
Concen: 48.756 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

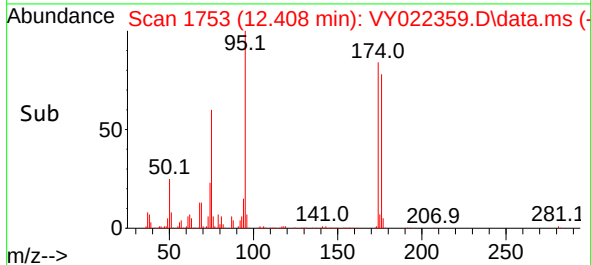
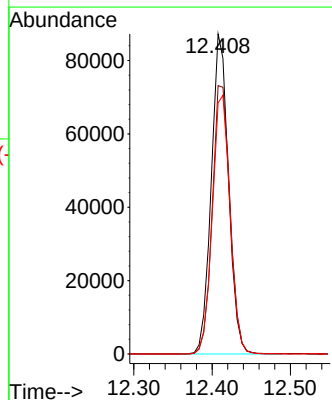
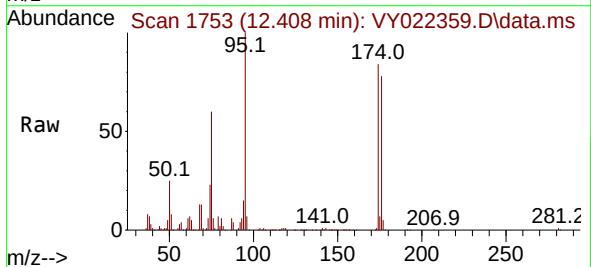
Instrument :
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ClientSampleId :
L1-WC-9-VOC

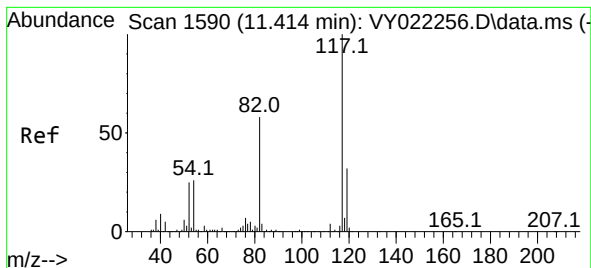
Tgt Ion: 98 Resp: 534912
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.173 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

Tgt Ion: 95 Resp: 132745
Ion Ratio Lower Upper
95 100
174 87.1 0.0 166.8
176 83.6 0.0 160.8

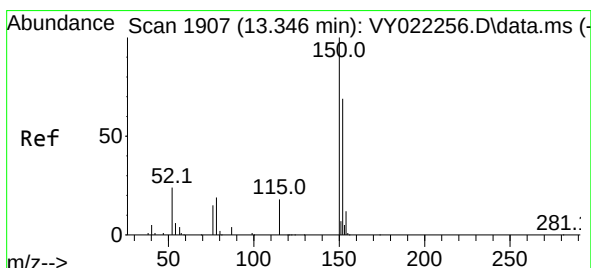
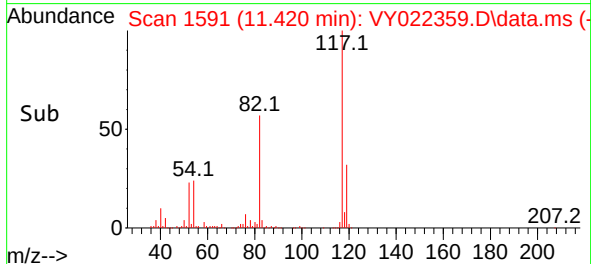
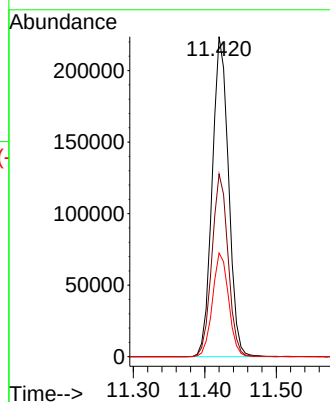
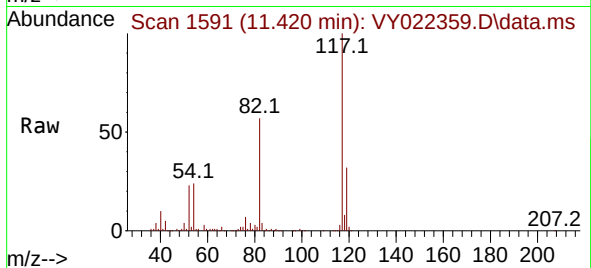




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-9-VOC

Tgt Ion:117 Resp: 355456
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 32.4 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: VY022359.D
Acq: 21 May 2025 12:00

Tgt Ion:152 Resp: 128660
Ion Ratio Lower Upper
152 100
115 57.8 29.4 88.2
150 157.6 0.0 353.8

