

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121225\
 Data File : VW032645.D
 Acq On : 12 Dec 2025 11:09
 Operator : SY/MD
 Sample : Q3846-02
 Misc : 4.96g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BU-02-12112025

Quant Time: Dec 13 00:07:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	494555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	955997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	816354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	363606	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	433364	55.338	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.680%
35) Dibromofluoromethane	7.898	113	355711	52.062	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.120%
50) Toluene-d8	10.325	98	1298808	52.938	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.880%
62) 4-Bromofluorobenzene	12.617	95	451172	50.087	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	100.180%

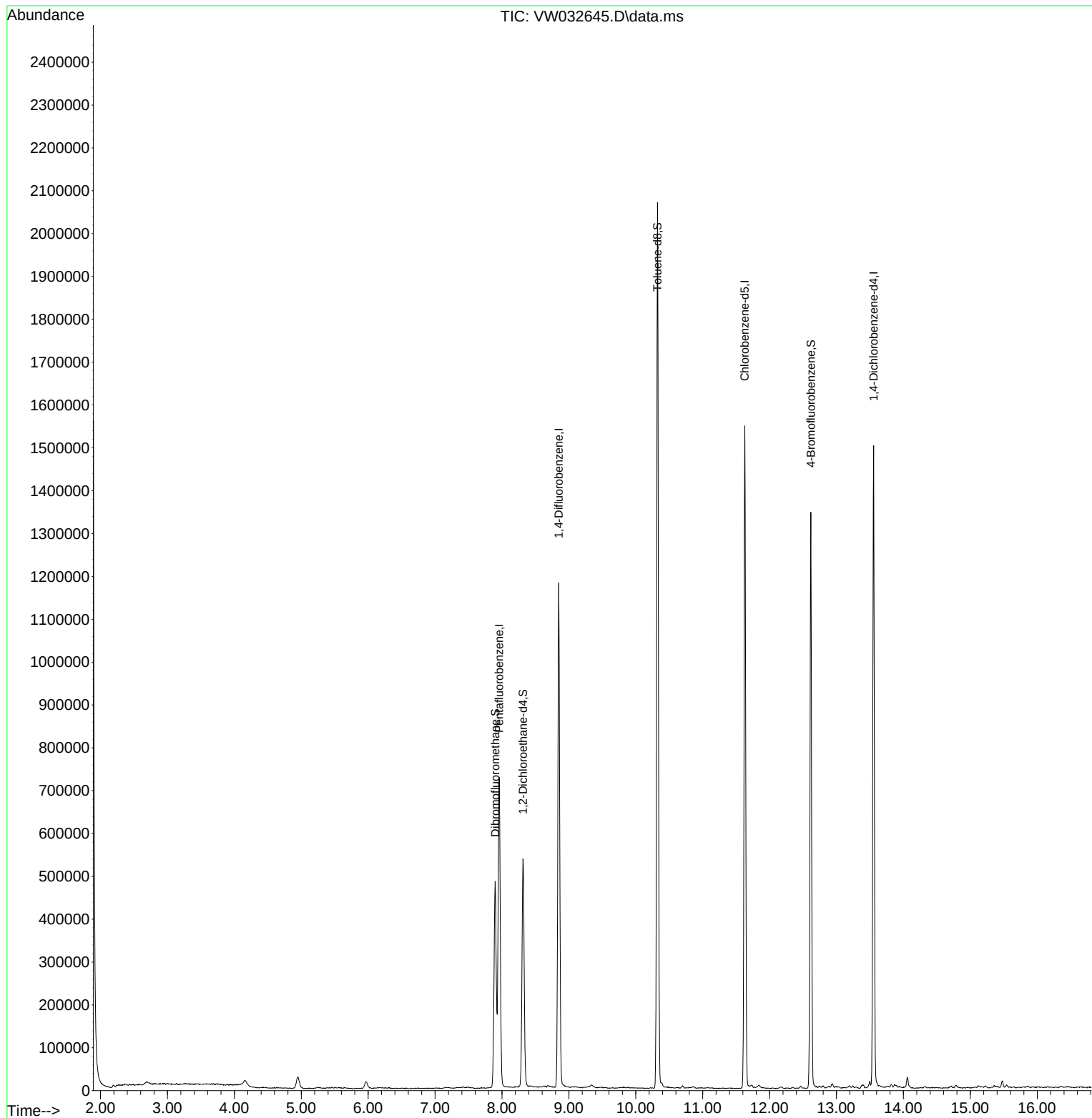
Target Compounds	Qvalue

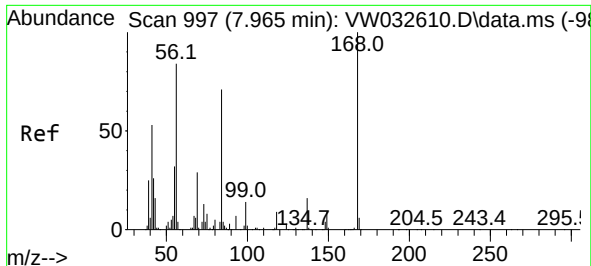
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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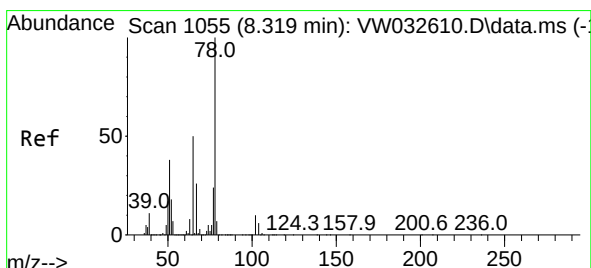
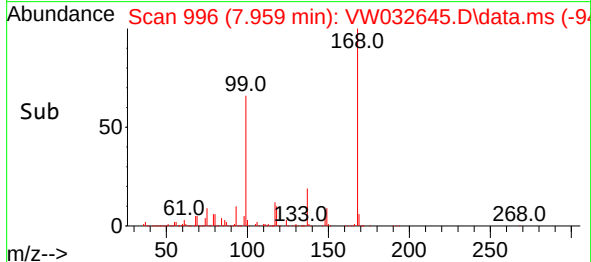
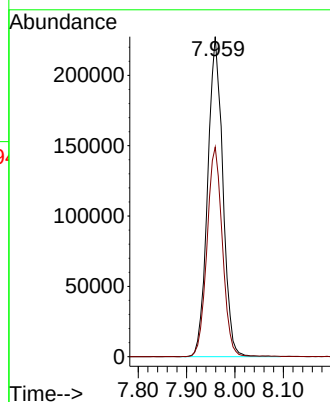
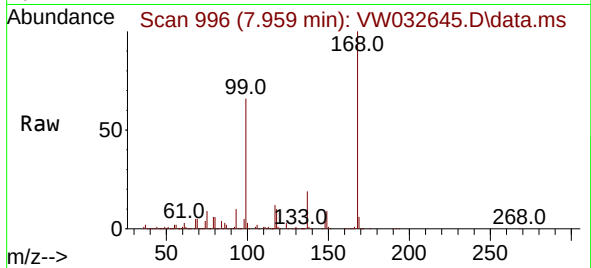




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032645.D
Acq: 12 Dec 2025 11:09

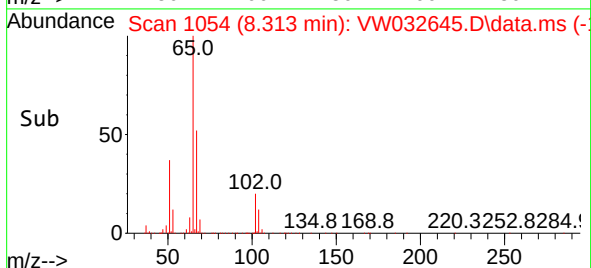
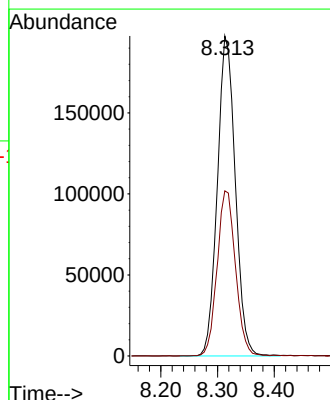
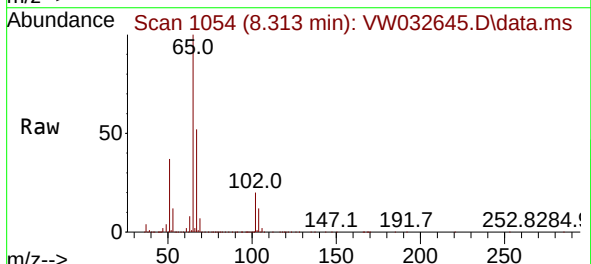
Instrument :
MSVOA_W
ClientSampleId :
BU-02-12112025

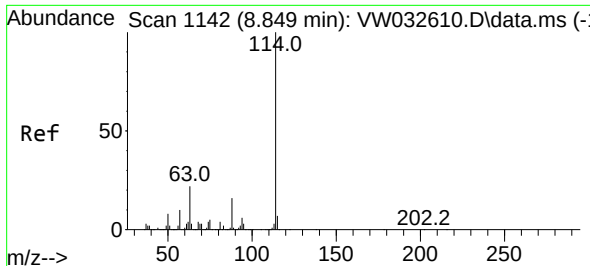
Tgt Ion:168 Resp: 494555
Ion Ratio Lower Upper
168 100
99 65.5 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 55.338 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032645.D
Acq: 12 Dec 2025 11:09

Tgt Ion: 65 Resp: 433364
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6

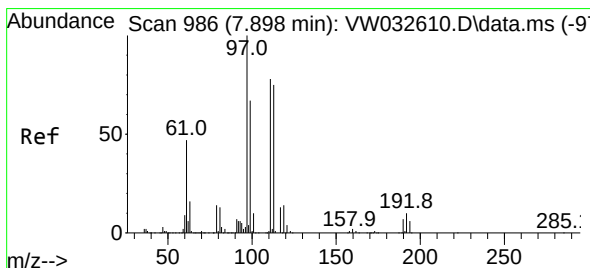
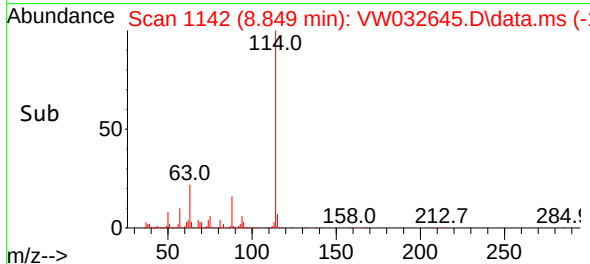
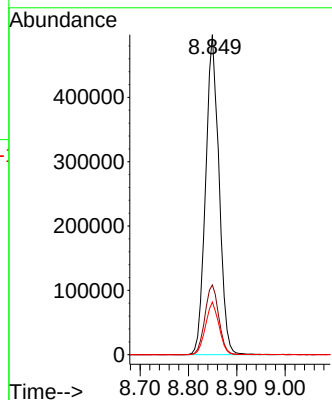
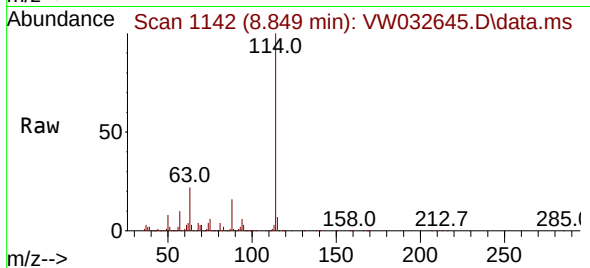




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032645.D
Acq: 12 Dec 2025 11:09

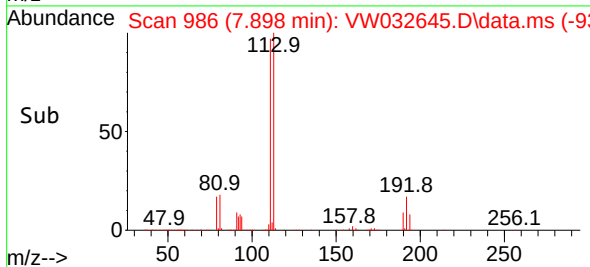
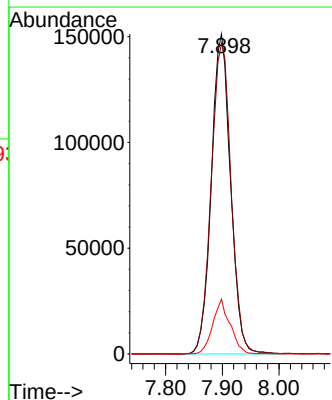
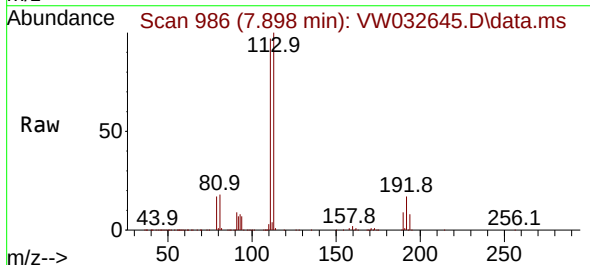
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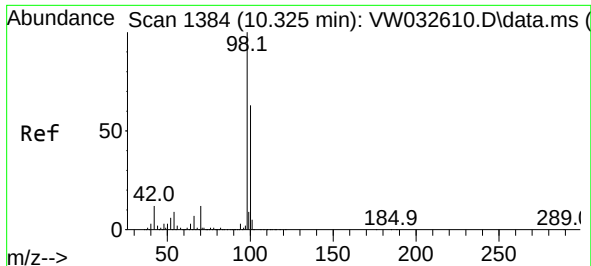
Tgt Ion:114 Resp: 955997
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.6
88 16.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.062 ug/l
RT: 7.898 min Scan# 986
Delta R.T. 0.000 min
Lab File: VW032645.D
Acq: 12 Dec 2025 11:09

Tgt Ion:113 Resp: 355711
Ion Ratio Lower Upper
113 100
111 100.9 85.2 127.8
192 15.6 13.3 19.9

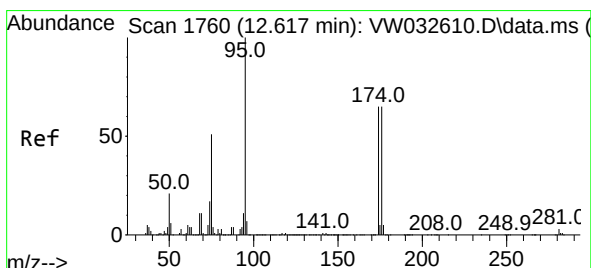
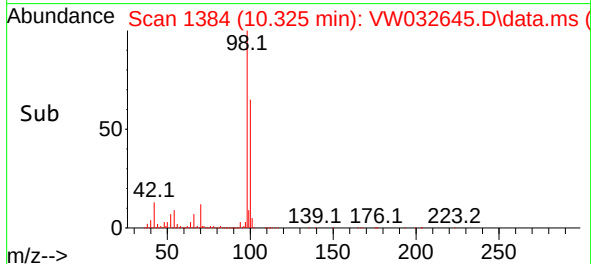
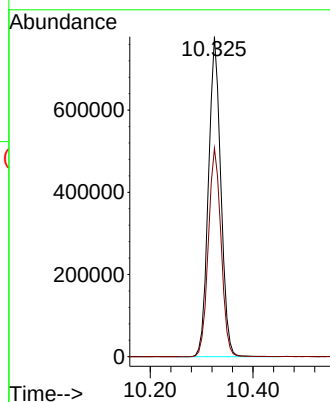
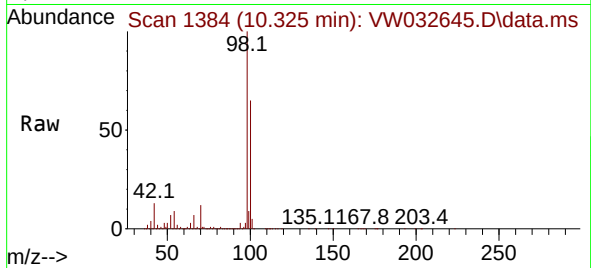




#50
Toluene-d8
Concen: 52.938 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032645.D
Acq: 12 Dec 2025 11:09

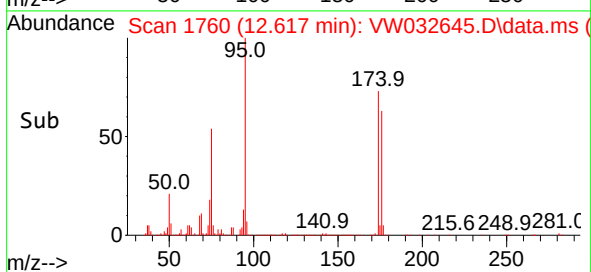
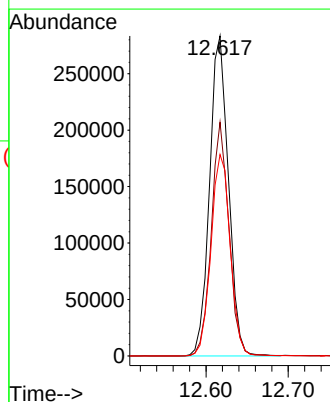
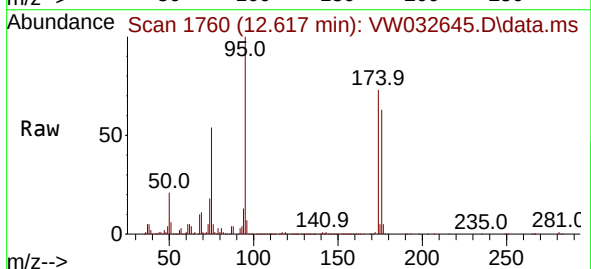
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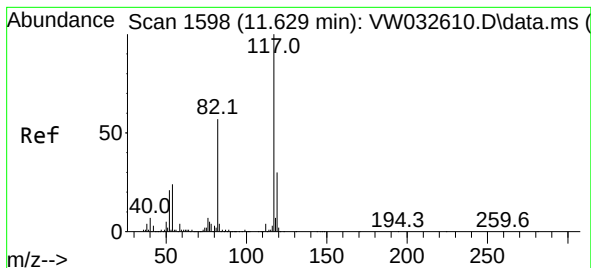
Tgt Ion: 98 Resp: 1298808
Ion Ratio Lower Upper
98 100
100 66.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 50.087 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032645.D
Acq: 12 Dec 2025 11:09

Tgt Ion: 95 Resp: 451172
Ion Ratio Lower Upper
95 100
174 68.7 0.0 135.0
176 64.5 0.0 123.4

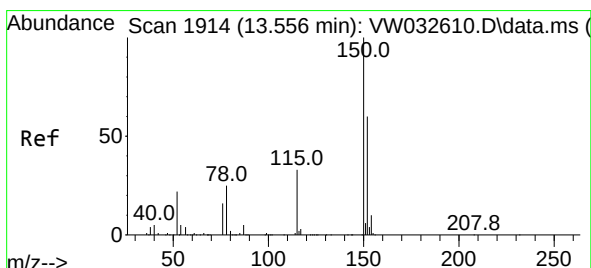
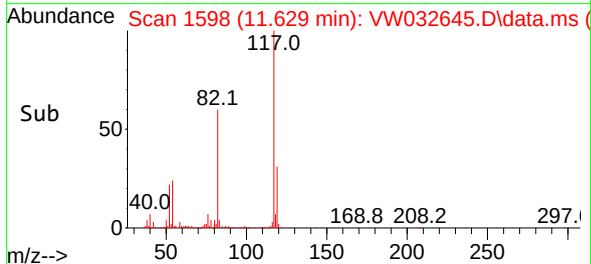
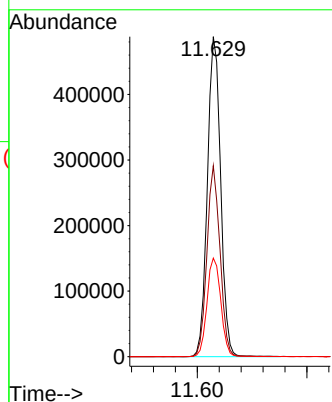
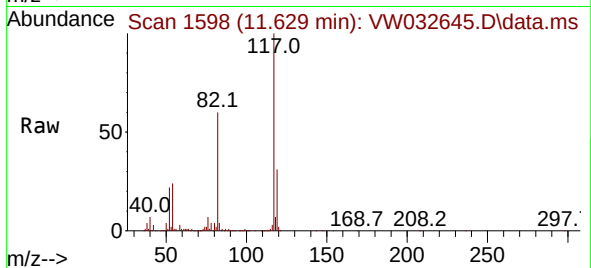




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032645.D
Acq: 12 Dec 2025 11:09

Instrument :
MSVOA_W
ClientSampleId :
BU-02-12112025

Tgt Ion:117 Resp: 816354
Ion Ratio Lower Upper
117 100
82 59.7 45.5 68.3
119 30.8 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032645.D
Acq: 12 Dec 2025 11:09

Tgt Ion:152 Resp: 363606
Ion Ratio Lower Upper
152 100
115 65.4 33.8 101.3
150 159.0 0.0 369.4

