

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032479.D
 Acq On : 18 Nov 2025 14:24
 Operator : SY/MD
 Sample : Q3661-02
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

Quant Time: Nov 19 00:27:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	143859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	306233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	292701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	141349	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	70878	38.216	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	76.440%
35) Dibromofluoromethane	7.898	113	67502	36.816	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	73.640%
50) Toluene-d8	10.325	98	259912	36.951	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	73.900%#
62) 4-Bromofluorobenzene	12.617	95	134324	50.552	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.100%

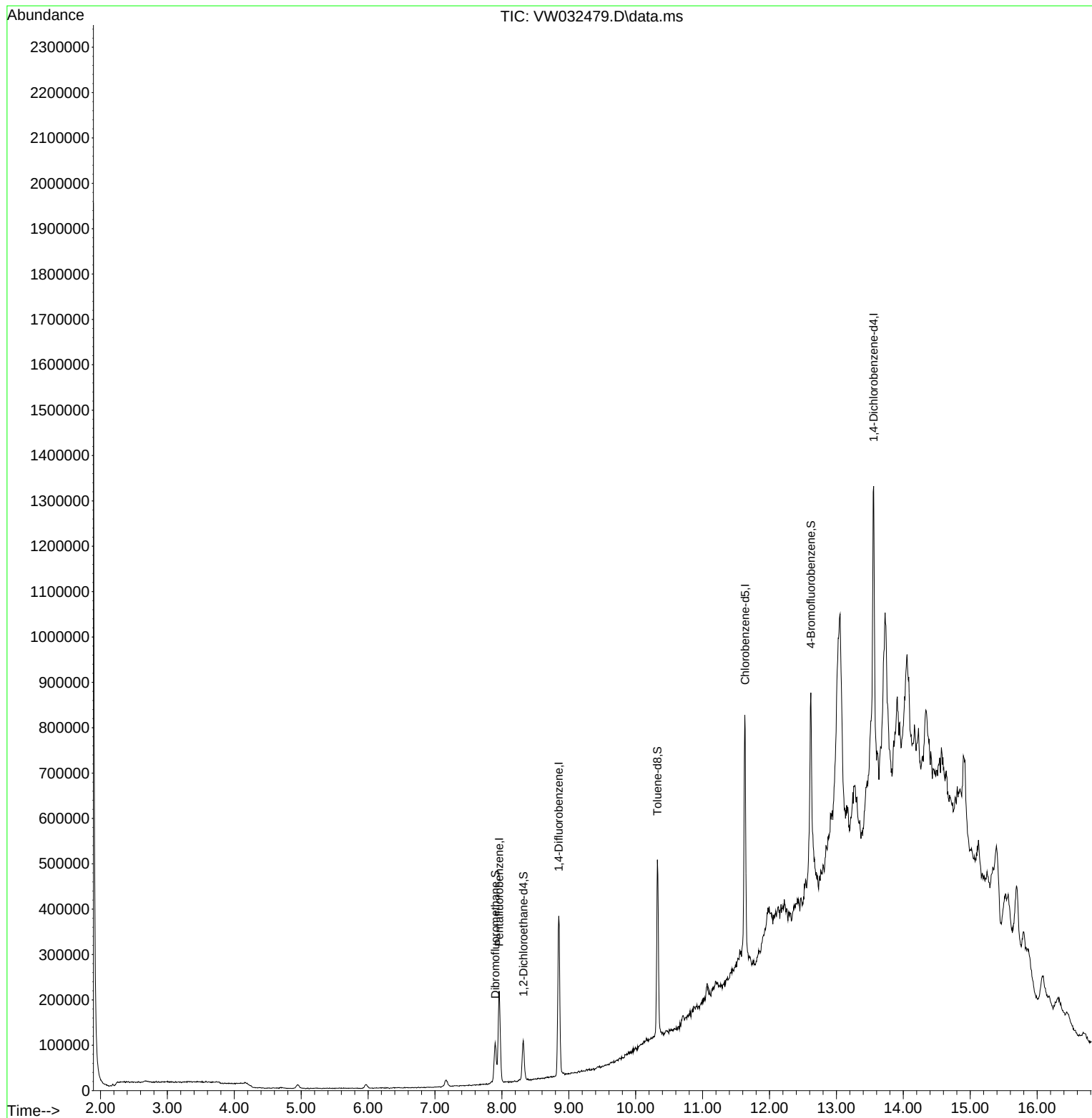
Target Compounds	Qvalue

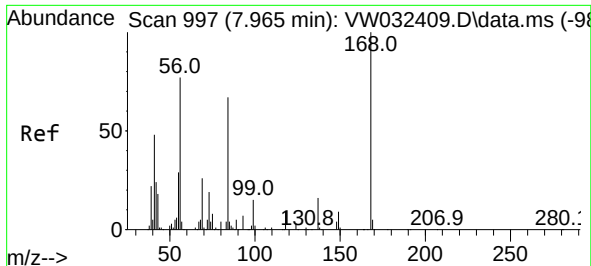
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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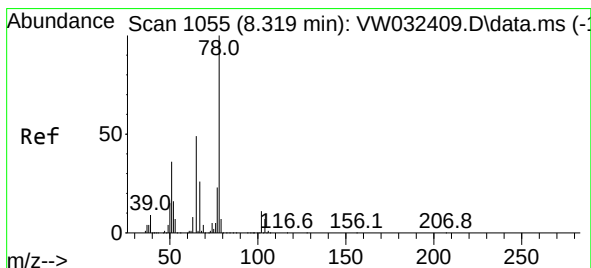
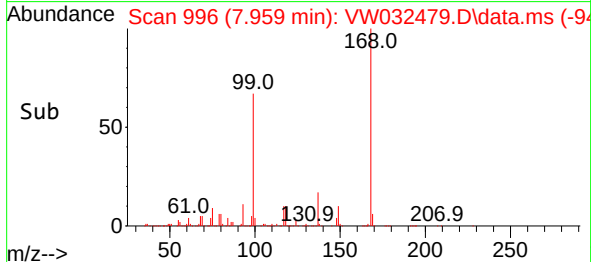
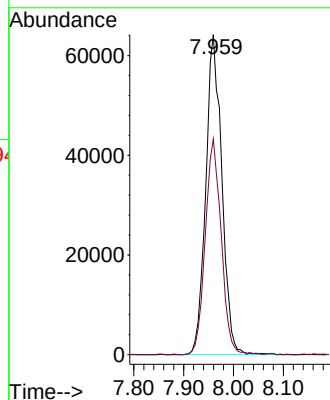
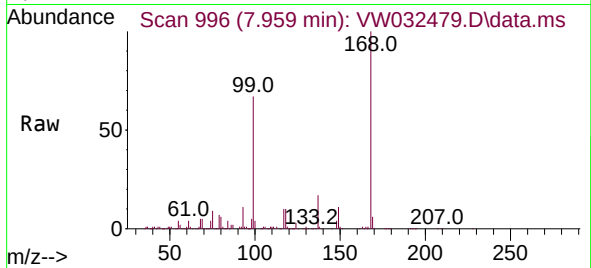




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032479.D
Acq: 18 Nov 2025 14:24

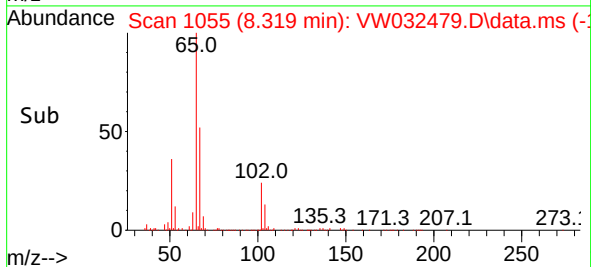
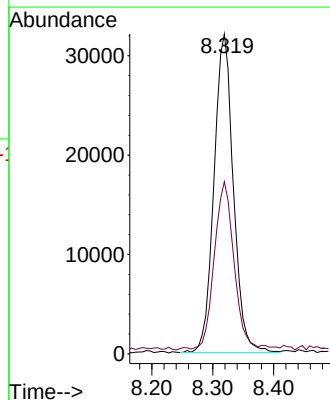
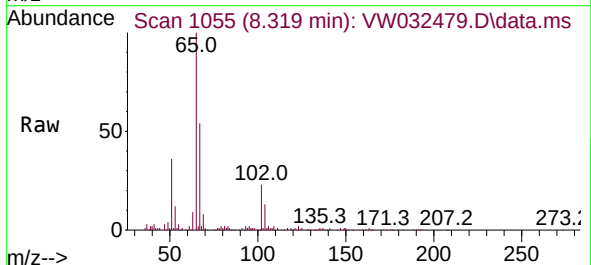
Instrument :
MSVOA_W
ClientSampleId :
VOC

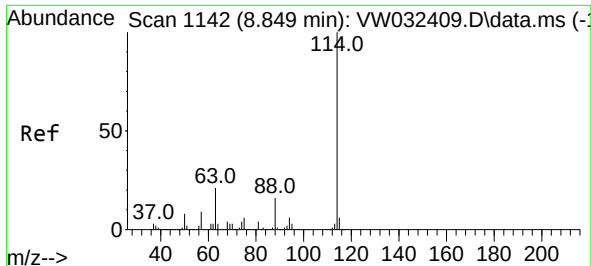
Tgt Ion:168 Resp: 143859
Ion Ratio Lower Upper
168 100
99 67.4 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 38.216 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032479.D
Acq: 18 Nov 2025 14:24

Tgt Ion: 65 Resp: 70878
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

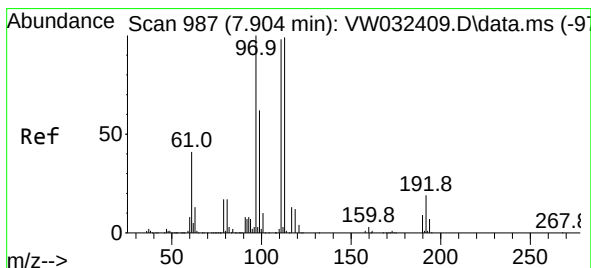
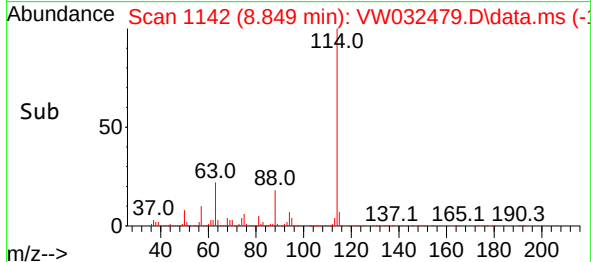
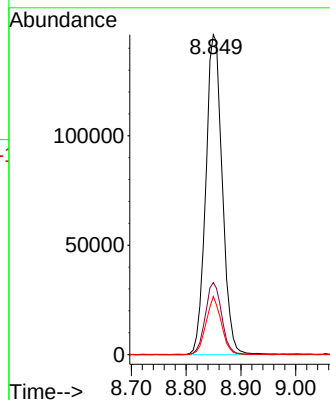
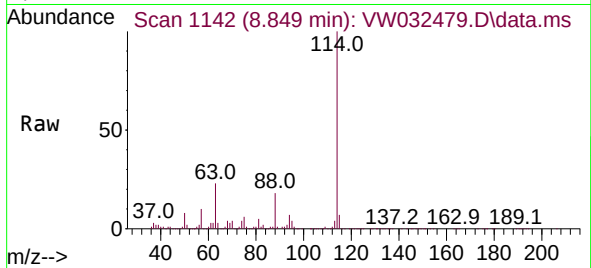




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032479.D
Acq: 18 Nov 2025 14:24

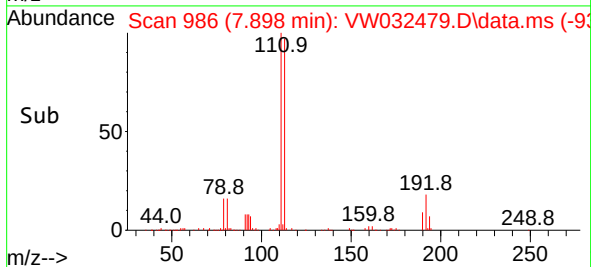
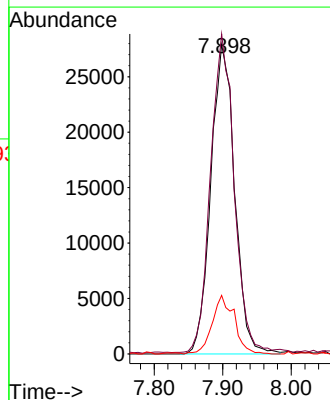
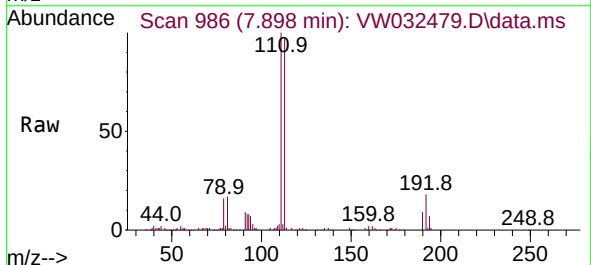
Instrument :
MSVOA_W
ClientSampleId :
VOC

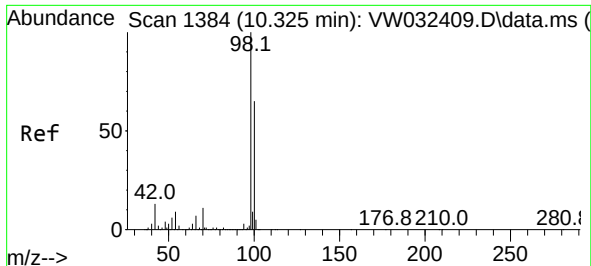
Tgt Ion:114 Resp: 306233
Ion Ratio Lower Upper
114 100
63 22.4 0.0 41.8
88 18.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 36.816 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032479.D
Acq: 18 Nov 2025 14:24

Tgt Ion:113 Resp: 67502
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 17.5 13.4 20.2

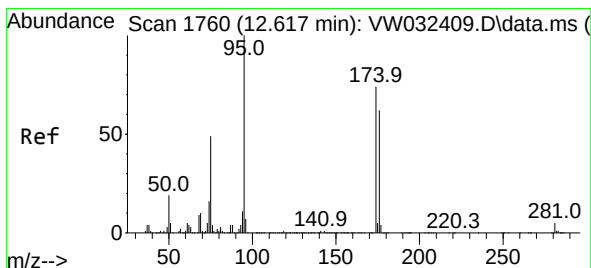
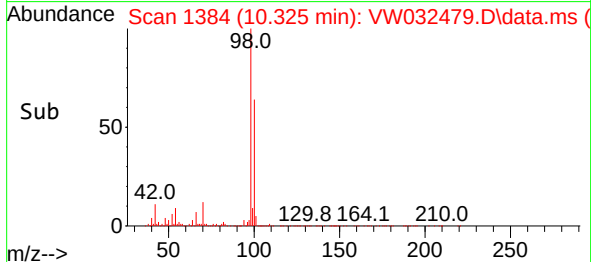
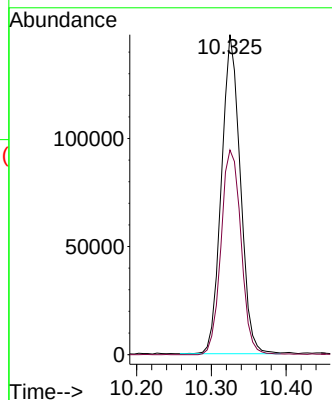
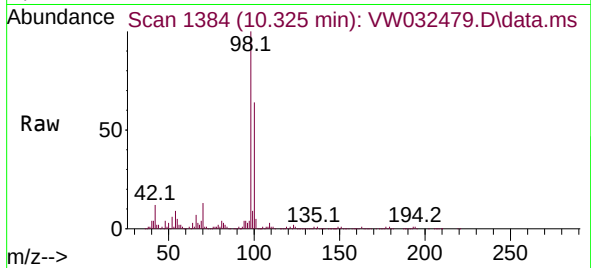




#50
Toluene-d8
Concen: 36.951 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032479.D
Acq: 18 Nov 2025 14:24

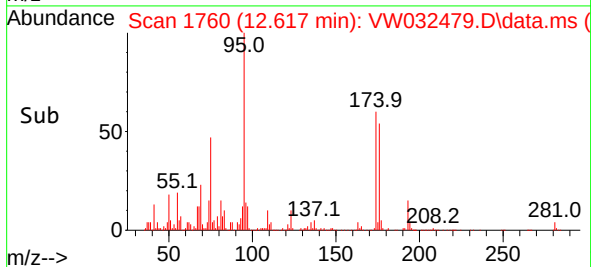
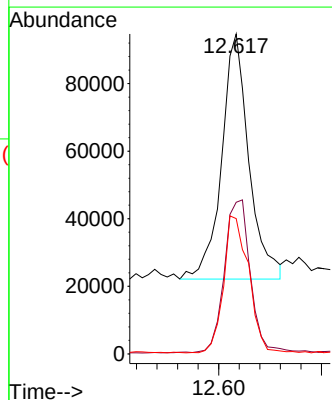
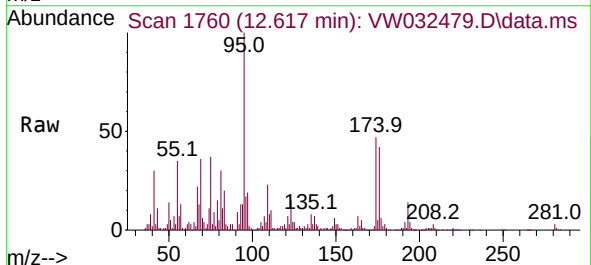
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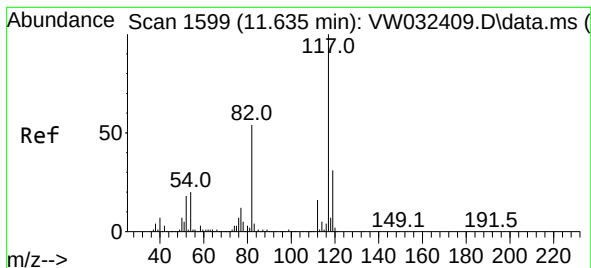
Tgt Ion: 98 Resp: 259912
Ion Ratio Lower Upper
98 100
100 68.0 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.552 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032479.D
Acq: 18 Nov 2025 14:24

Tgt Ion: 95 Resp: 134324
Ion Ratio Lower Upper
95 100
174 59.5 0.0 135.4
176 51.4 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032479.D

Acq: 18 Nov 2025 14:24

Instrument :

MSVOA_W

ClientSampleId :

VOC

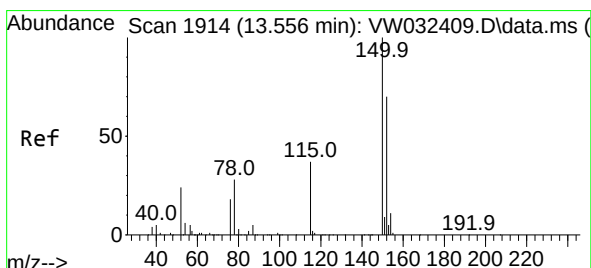
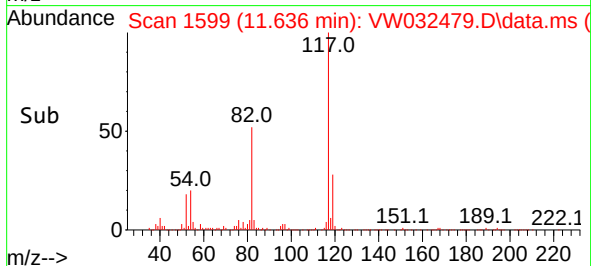
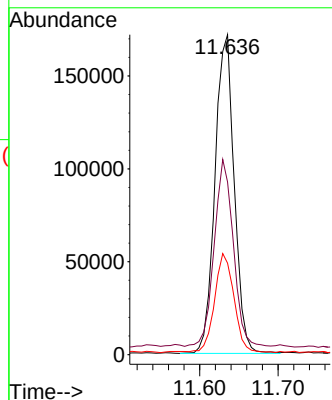
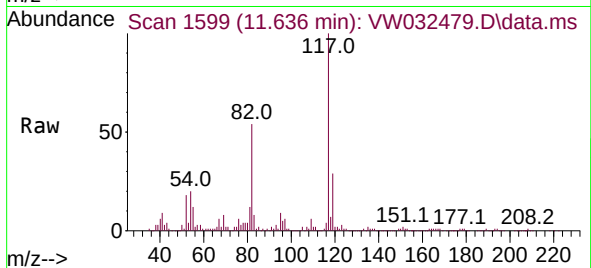
Tgt Ion:117 Resp: 292701

Ion Ratio Lower Upper

117 100

82 51.2 43.0 64.4

119 27.7 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032479.D

Acq: 18 Nov 2025 14:24

Tgt Ion:152 Resp: 141349

Ion Ratio Lower Upper

152 100

115 61.1 32.8 98.3

150 151.0 0.0 356.6

