

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032498.D
 Acq On : 19 Nov 2025 13:36
 Operator : SY/MD
 Sample : Q3661-02RE
 Misc : 5.00g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOCRE

Quant Time: Nov 20 01:18:20 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	7.965	168	150105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	333057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	362725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	159149	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107350	55.472	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.940%
35) Dibromofluoromethane	7.904	113	96628	48.457	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.920%
50) Toluene-d8	10.331	98	326263	42.649	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	85.300%
62) 4-Bromofluorobenzene	12.617	95	140963	48.778	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.560%

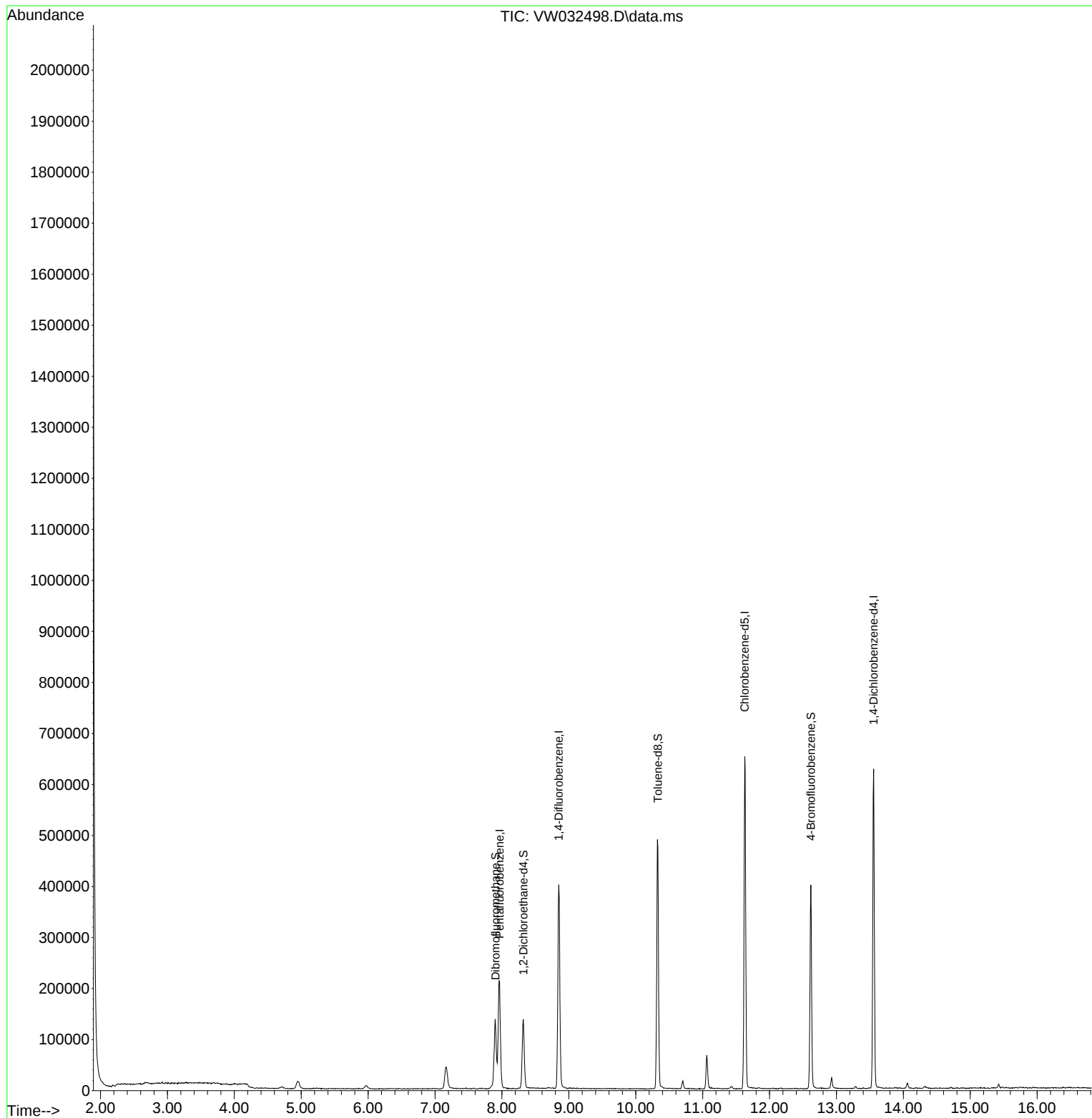
Target Compounds	Qvalue

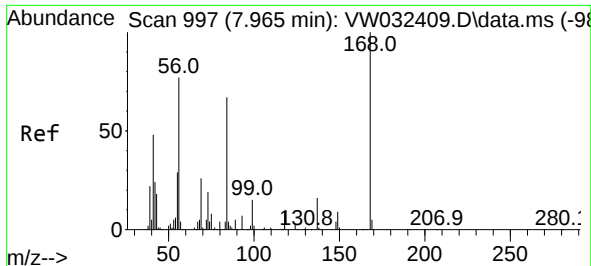
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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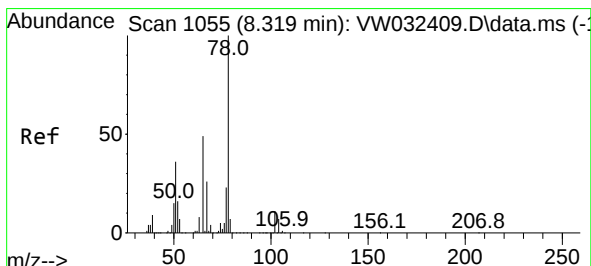
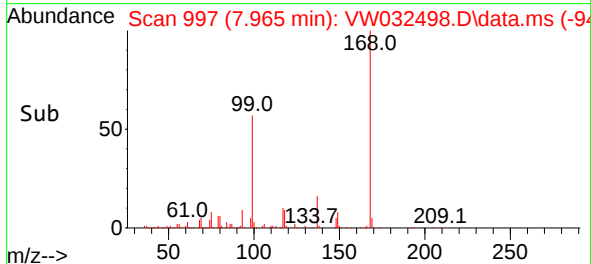
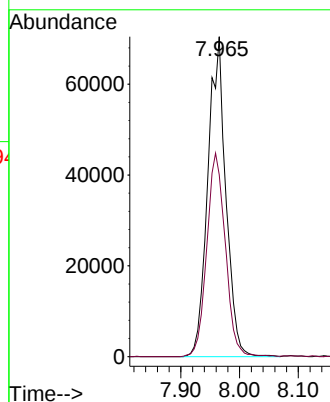
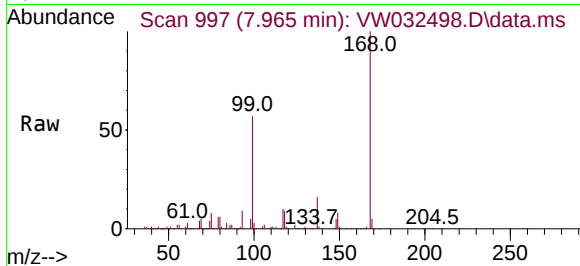




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

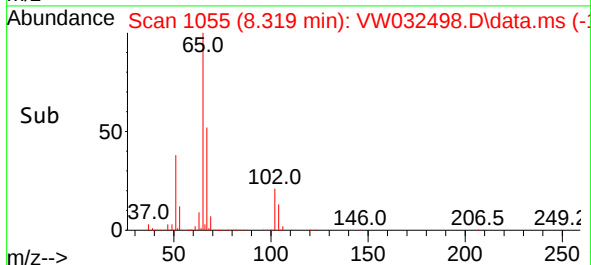
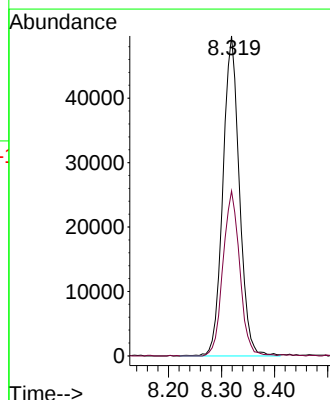
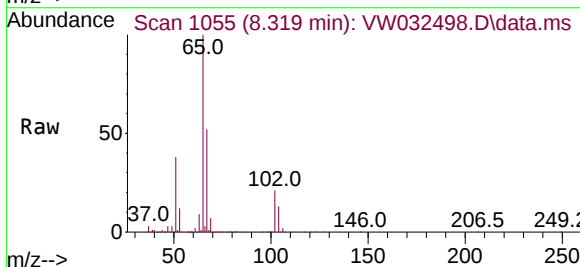
Instrument :
MSVOA_W
ClientSampleId :
VOCRE

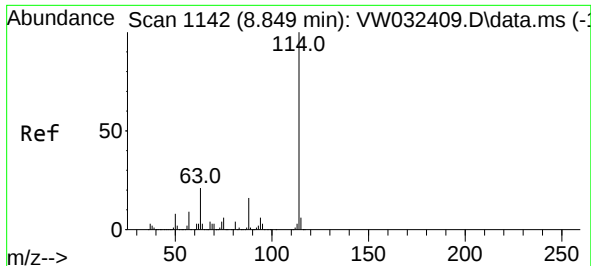
Tgt Ion:168 Resp: 150105
Ion Ratio Lower Upper
168 100
99 56.8 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 55.472 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

Tgt Ion: 65 Resp: 107350
Ion Ratio Lower Upper
65 100
67 52.3 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: VW032498.D

Acq: 19 Nov 2025 13:36

Instrument :

MSVOA_W

ClientSampleId :

VOCRE

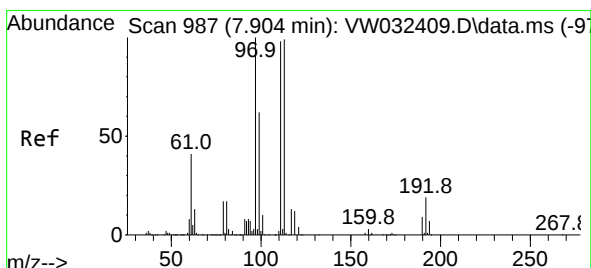
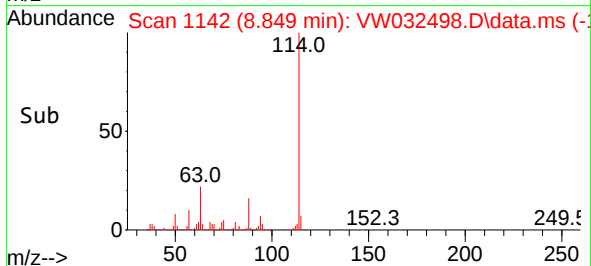
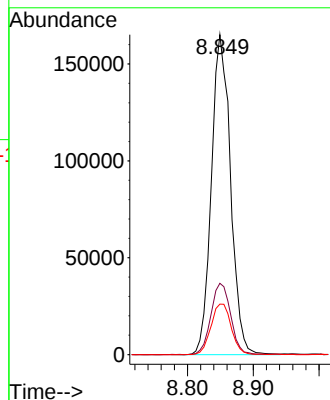
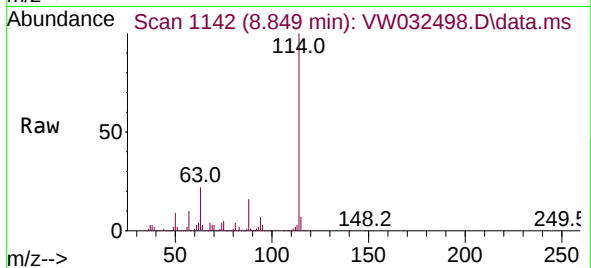
Tgt Ion:114 Resp: 333057

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.457 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032498.D

Acq: 19 Nov 2025 13:36

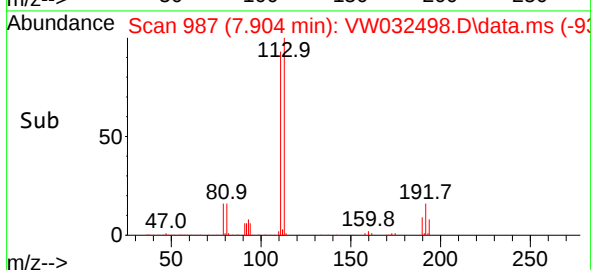
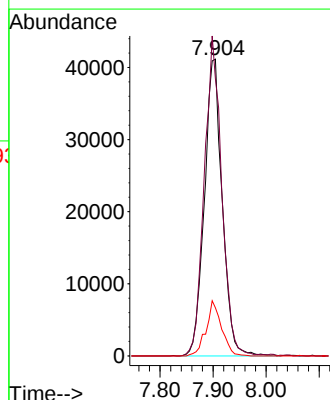
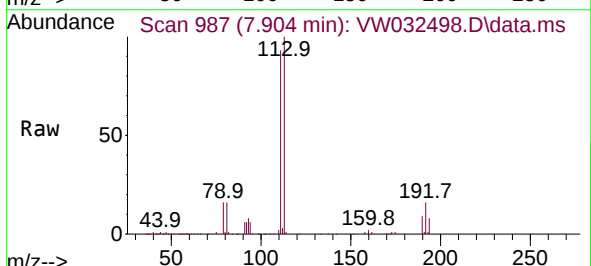
Tgt Ion:113 Resp: 96628

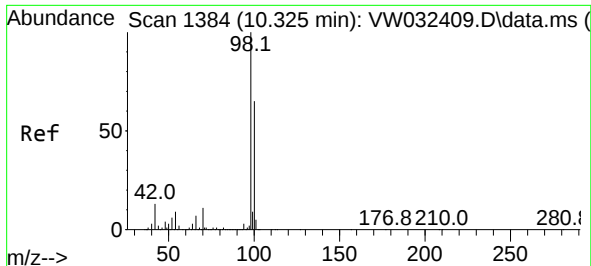
Ion Ratio Lower Upper

113 100

111 105.1 83.1 124.7

192 16.0 13.4 20.2

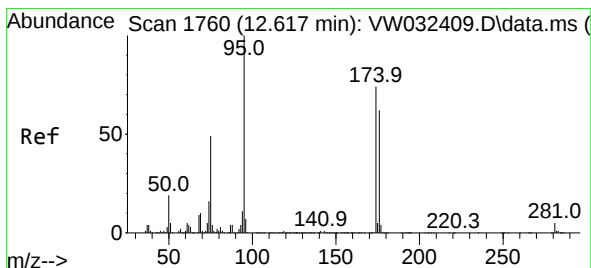
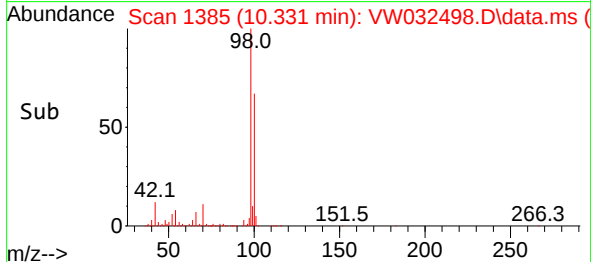
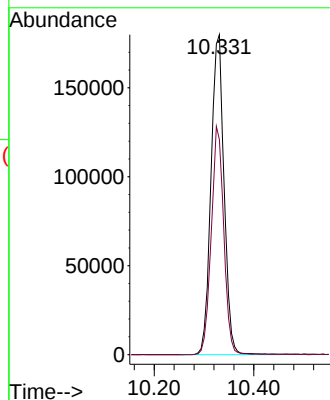
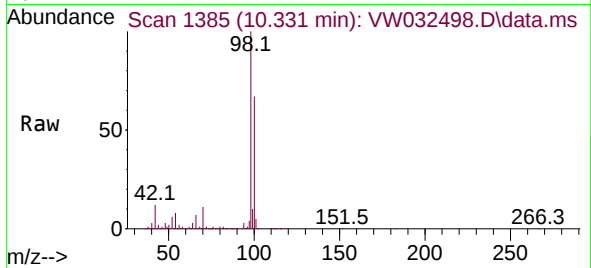




#50
Toluene-d8
Concen: 42.649 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

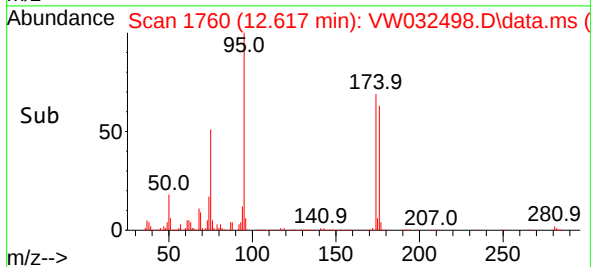
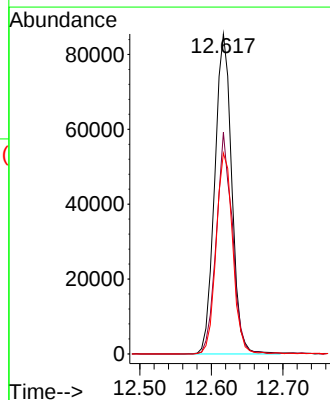
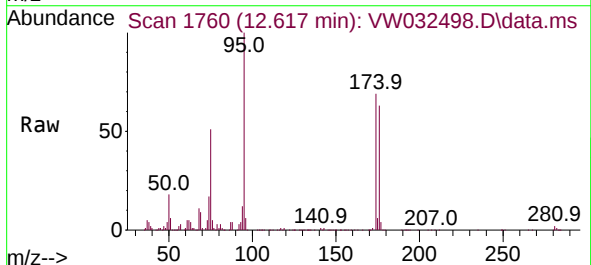
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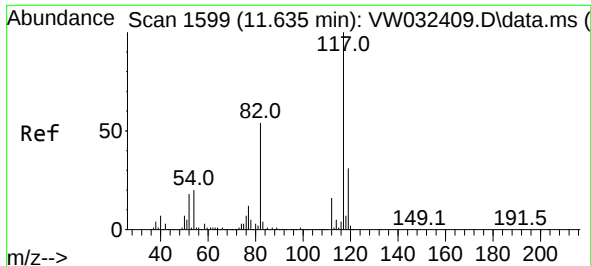
Tgt Ion: 98 Resp: 326263
Ion Ratio Lower Upper
98 100
100 68.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 48.778 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

Tgt Ion: 95 Resp: 140963
Ion Ratio Lower Upper
95 100
174 65.3 0.0 135.4
176 61.1 0.0 131.8

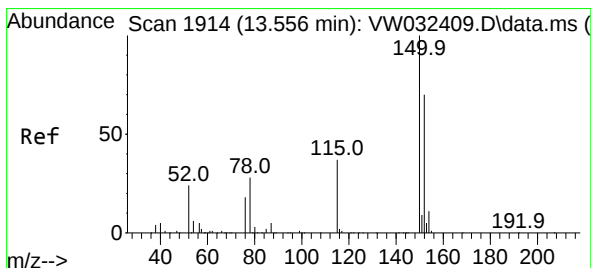
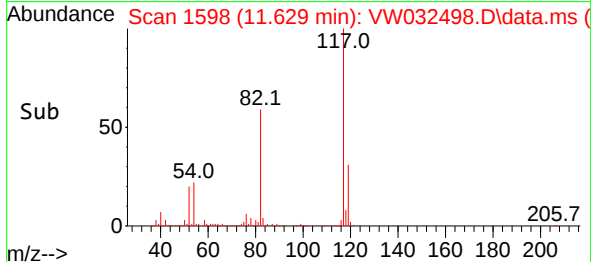
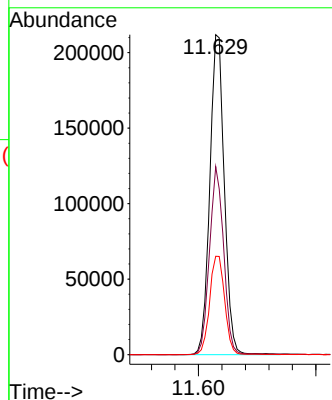
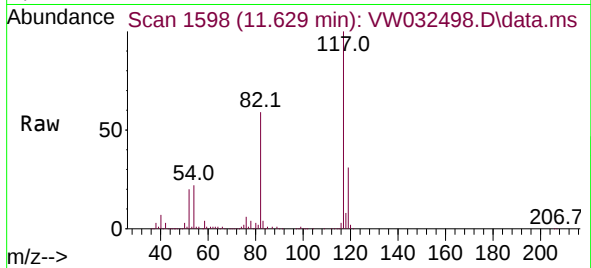




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

Instrument :
MSVOA_W
ClientSampleId :
VOCRE

Tgt Ion:117 Resp: 362725
Ion Ratio Lower Upper
117 100
82 58.7 43.0 64.4
119 30.7 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: VW032498.D
Acq: 19 Nov 2025 13:36

Tgt Ion:152 Resp: 159149
Ion Ratio Lower Upper
152 100
115 65.6 32.8 98.3
150 158.9 0.0 356.6

