

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
 Data File : VW032515.D
 Acq On : 20 Nov 2025 11:31
 Operator : SY/MD
 Sample : Q3664-03RE
 Misc : 5.02g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0013RE

Quant Time: Nov 21 01:20:25 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	209739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	498550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	535533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	252021	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	158820	58.734	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.460%
35) Dibromofluoromethane	7.898	113	79817	26.740	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	53.480%#
50) Toluene-d8	10.325	98	539045	47.073	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	94.140%
62) 4-Bromofluorobenzene	12.617	95	229645	53.087	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	106.180%

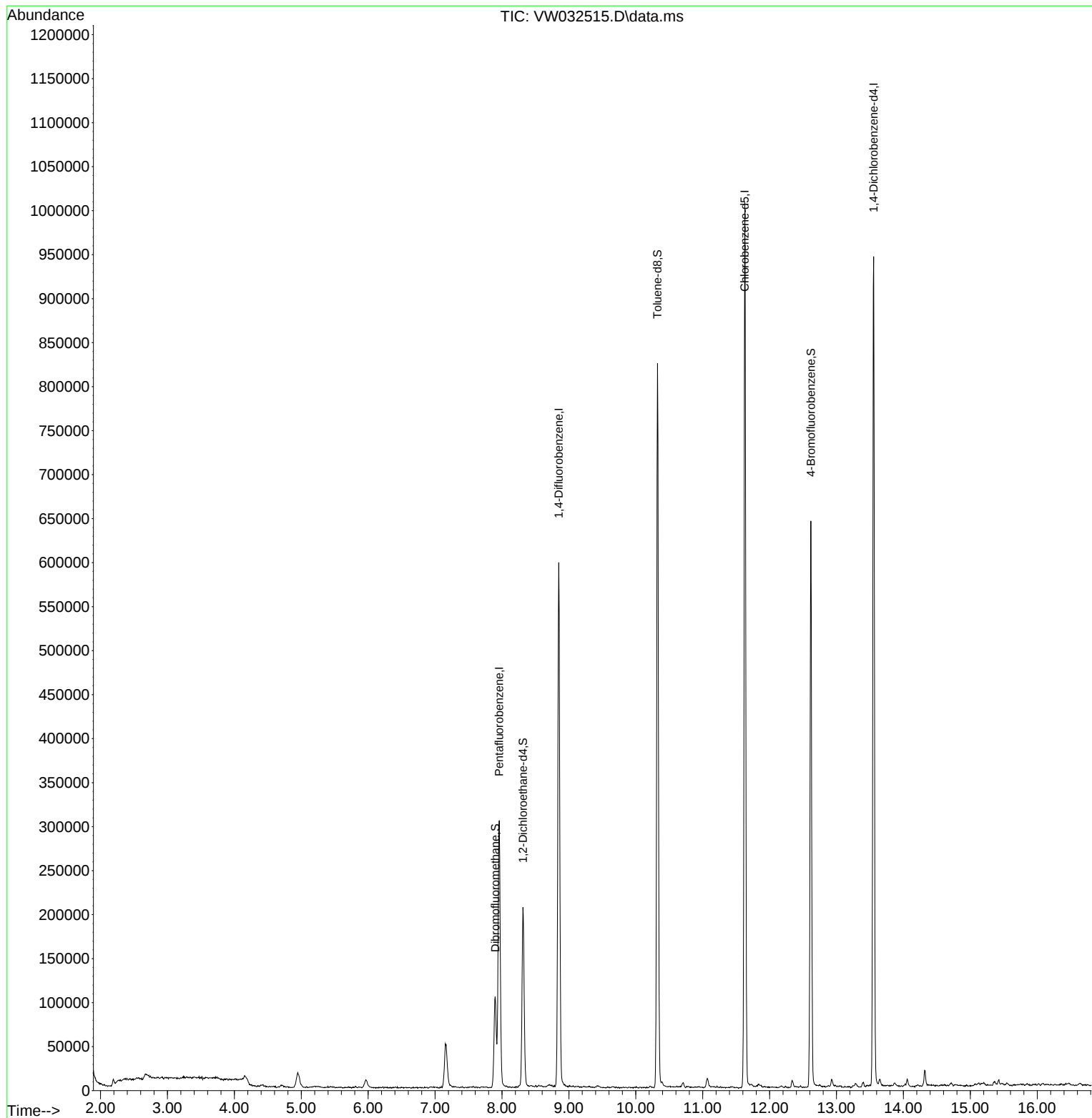
Target Compounds	Qvalue

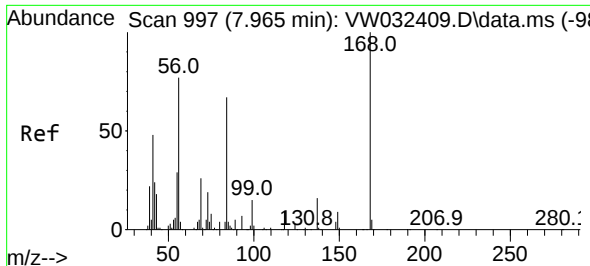
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032515.D
Acq On : 20 Nov 2025 11:31
Operator : SY/MD
Sample : Q3664-03RE
Misc : 5.02g/5mL/MSVOA_W/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ARS20-0013RE

Quant Time: Nov 21 01:20:25 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

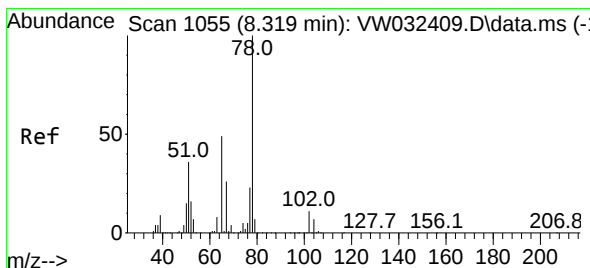
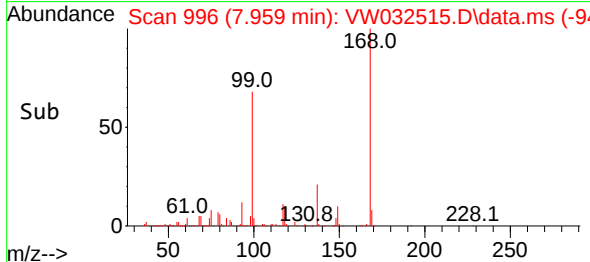
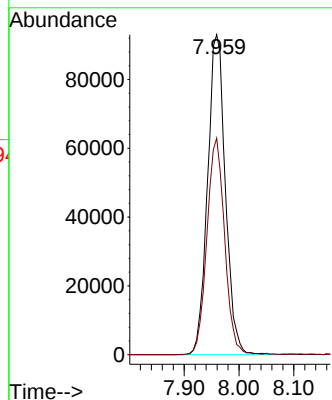
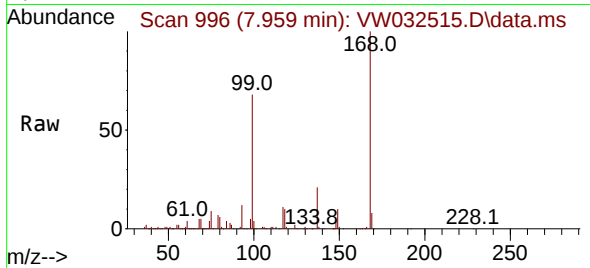




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032515.D
Acq: 20 Nov 2025 11:31

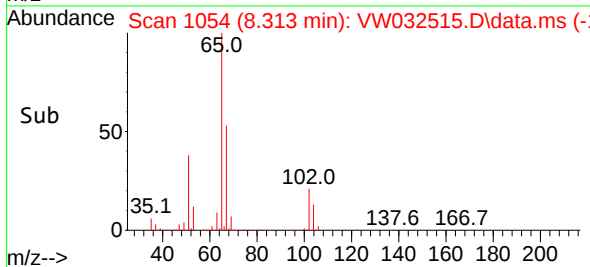
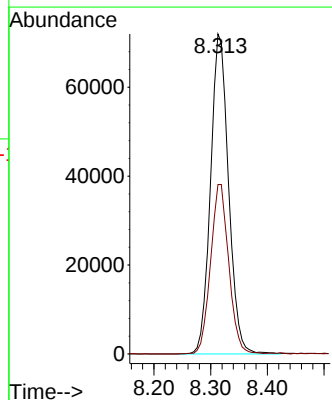
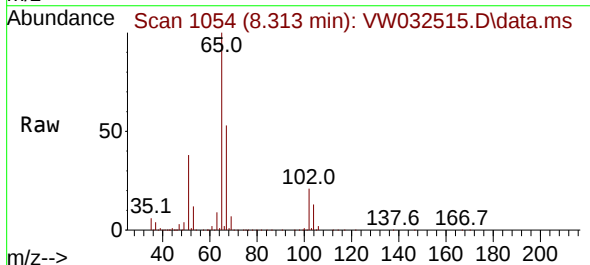
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0013RE

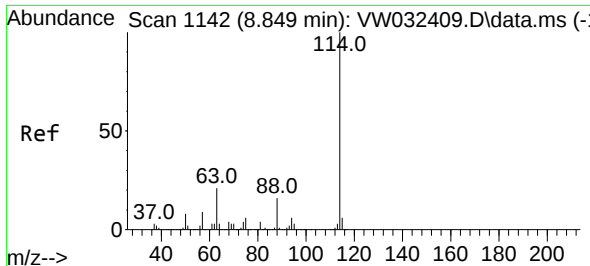
Tgt Ion:168 Resp: 209739
Ion Ratio Lower Upper
168 100
99 67.5 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 58.734 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032515.D
Acq: 20 Nov 2025 11:31

Tgt Ion: 65 Resp: 158820
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

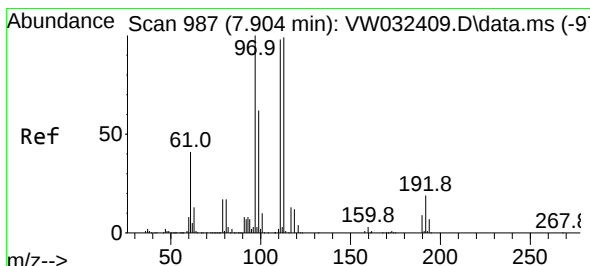
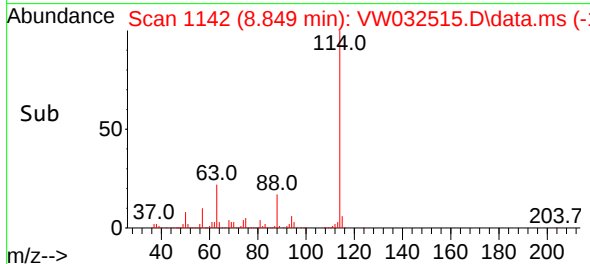
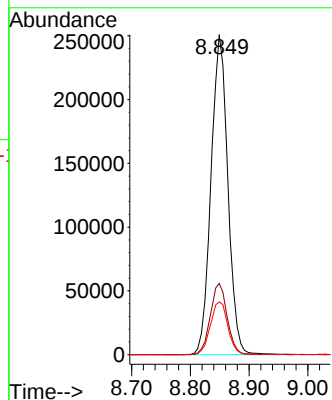
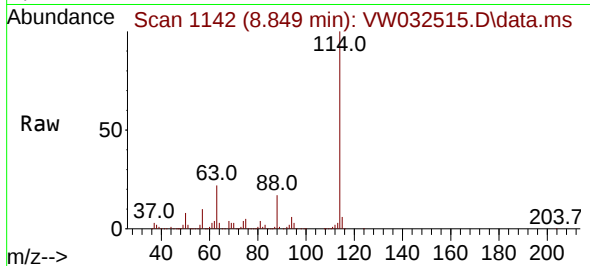




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032515.D
Acq: 20 Nov 2025 11:31

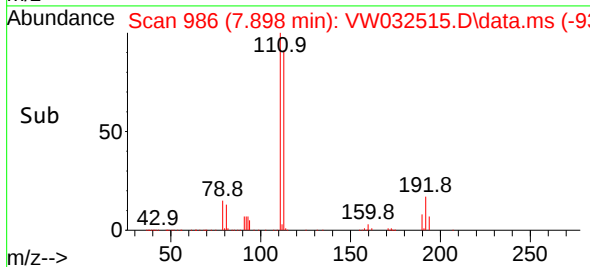
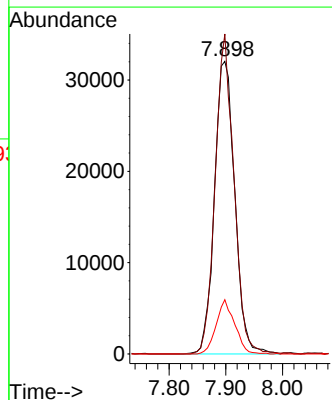
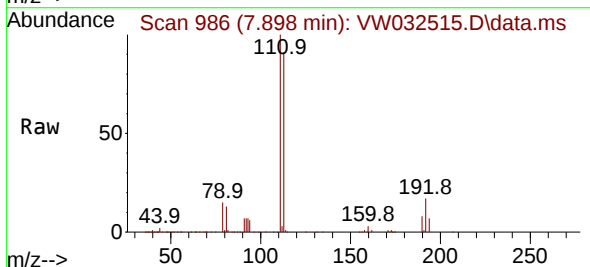
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0013RE

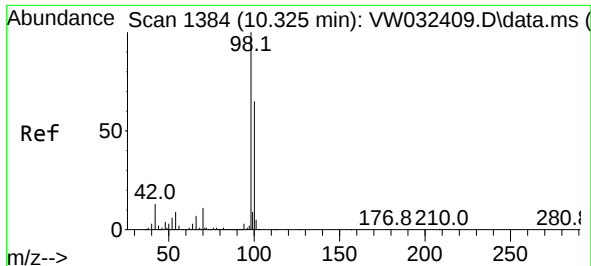
Tgt Ion:114 Resp: 498550
Ion Ratio Lower Upper
114 100
63 22.2 0.0 41.8
88 16.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 26.740 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032515.D
Acq: 20 Nov 2025 11:31

Tgt Ion:113 Resp: 79817
Ion Ratio Lower Upper
113 100
111 100.6 83.1 124.7
192 16.9 13.4 20.2

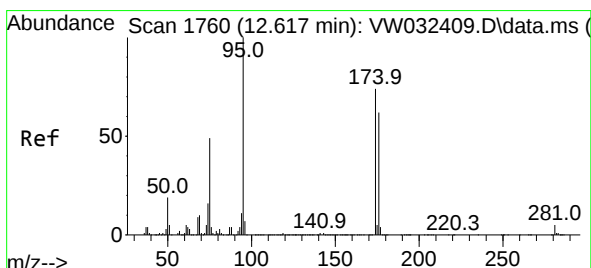
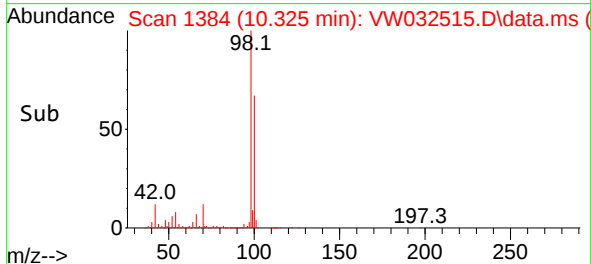
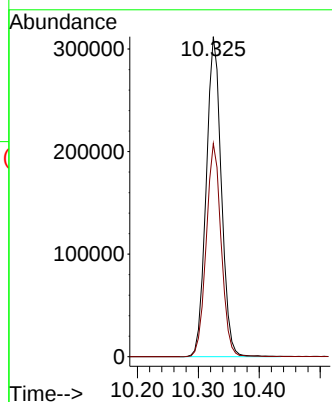
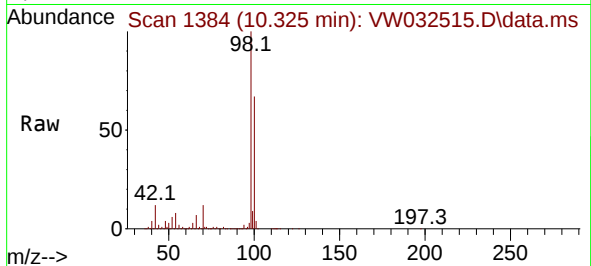




#50
Toluene-d8
Concen: 47.073 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032515.D
Acq: 20 Nov 2025 11:31

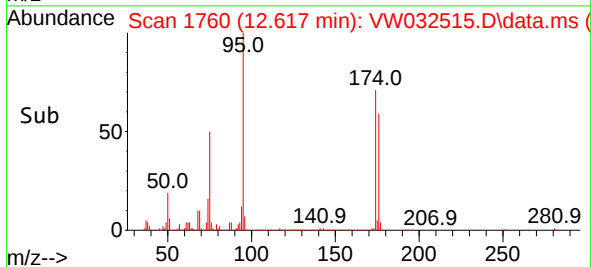
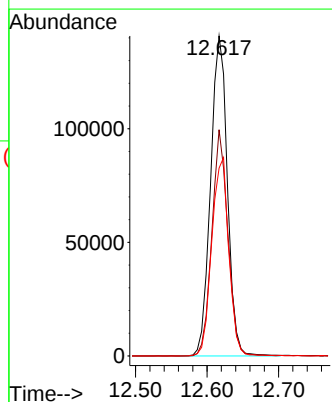
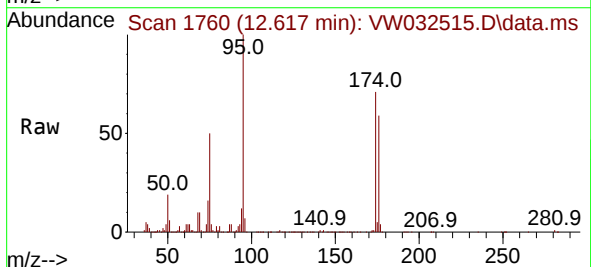
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0013RE

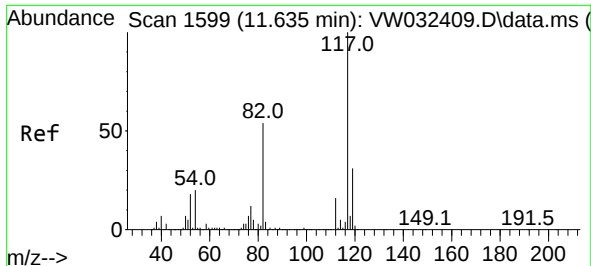
Tgt Ion: 98 Resp: 539045
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.087 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032515.D
Acq: 20 Nov 2025 11:31

Tgt Ion: 95 Resp: 229645
Ion Ratio Lower Upper
95 100
174 67.6 0.0 135.4
176 62.9 0.0 131.8

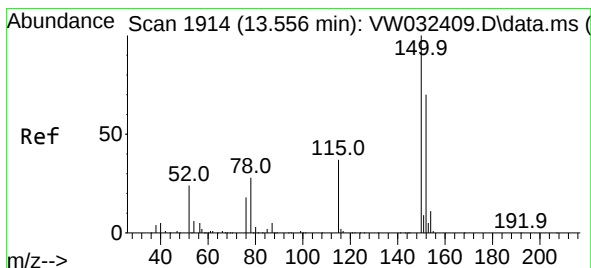
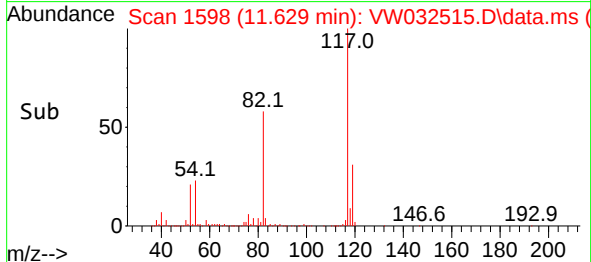
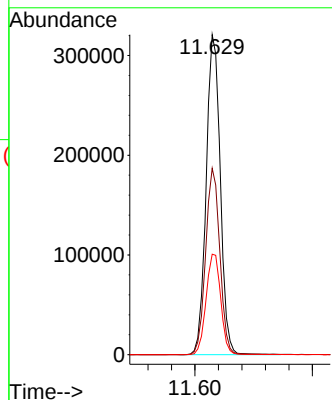
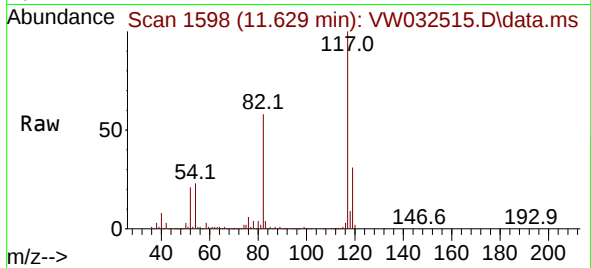




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032515.D
Acq: 20 Nov 2025 11:31

Instrument :
MSVOA_W
ClientSampleId :
ARS20-0013RE

Tgt Ion:117 Resp: 535533
Ion Ratio Lower Upper
117 100
82 58.2 43.0 64.4
119 31.4 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: VW032515.D
Acq: 20 Nov 2025 11:31

Tgt Ion:152 Resp: 252021
Ion Ratio Lower Upper
152 100
115 64.4 32.8 98.3
150 151.2 0.0 356.6

