

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032248.D
 Acq On : 24 Sep 2025 16:52
 Operator : SY/MD
 Sample : Q3178-01
 Misc : 4.57g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EME-TS14-01

Quant Time: Sep 25 08:15:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	146358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	286861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	284291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	137171	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135734	64.848	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	129.700%
35) Dibromofluoromethane	7.904	113	115864	57.569	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	115.140%
50) Toluene-d8	10.331	98	379852	53.764	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	107.520%
62) 4-Bromofluorobenzene	12.617	95	126755	48.517	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.040%

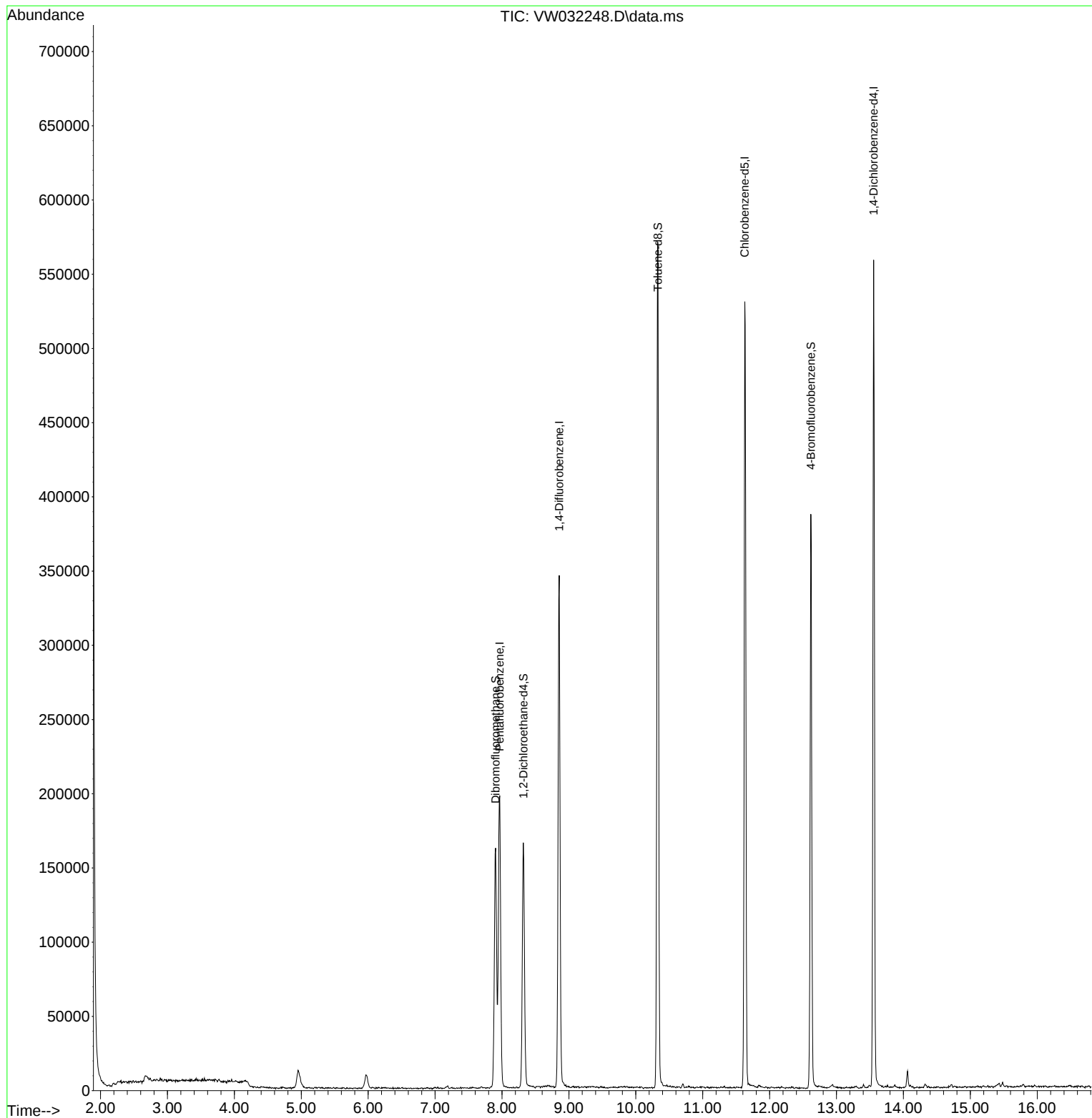
Target Compounds	Qvalue

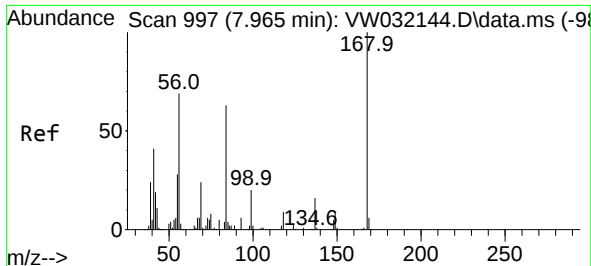
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
Data File : VW032248.D
Acq On : 24 Sep 2025 16:52
Operator : SY/MD
Sample : Q3178-01
Misc : 4.57g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-01

Quant Time: Sep 25 08:15:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

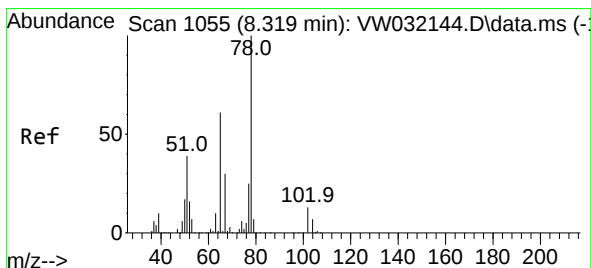
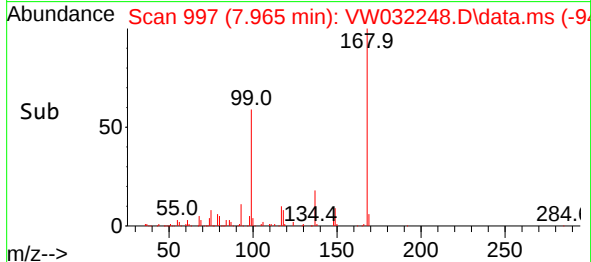
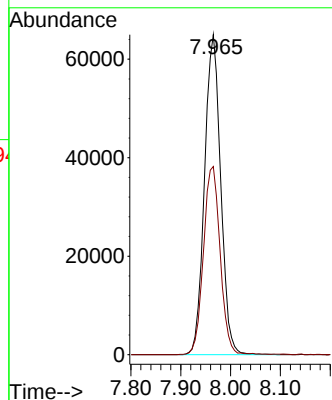
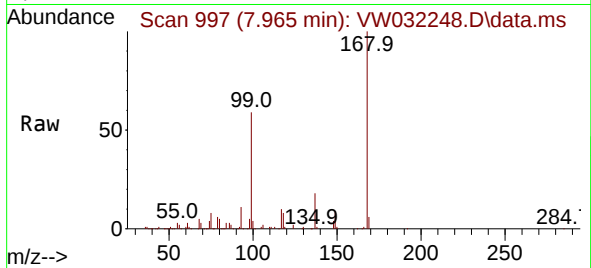




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

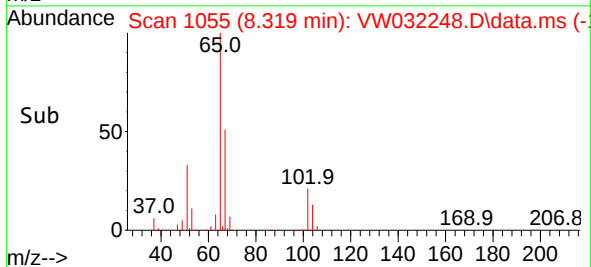
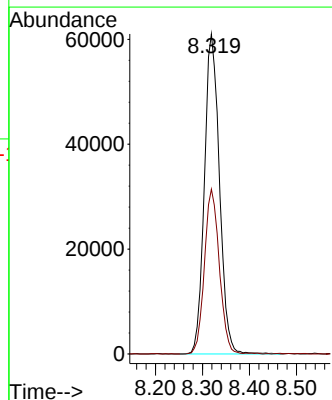
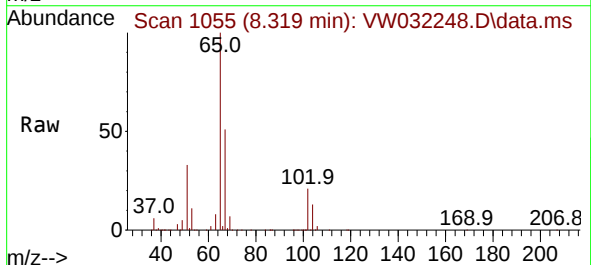
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-01

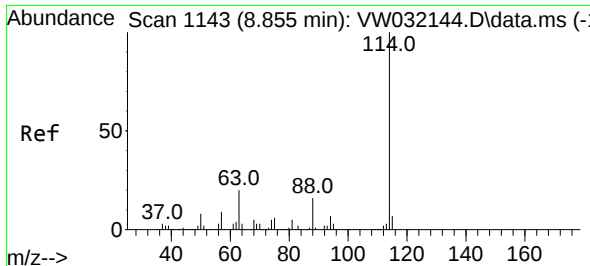
Tgt Ion:168 Resp: 146358
Ion Ratio Lower Upper
168 100
99 58.7 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 64.848 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

Tgt Ion: 65 Resp: 135734
Ion Ratio Lower Upper
65 100
67 50.8 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032248.D

Acq: 24 Sep 2025 16:52

Instrument :

MSVOA_W

ClientSampleId :

EME-TS14-01

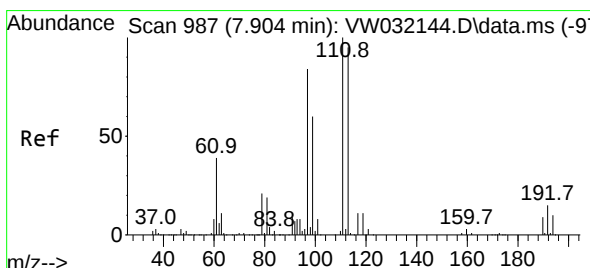
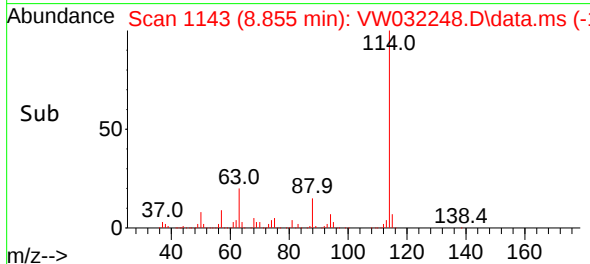
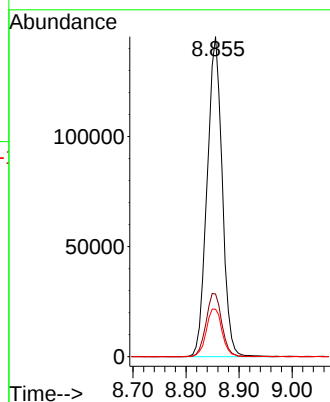
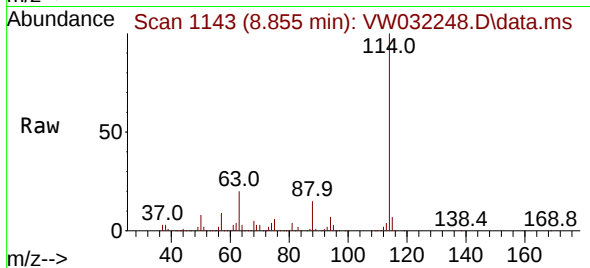
Tgt Ion:114 Resp: 286861

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.4

88 14.9 0.0 32.0



#35

Dibromofluoromethane

Concen: 57.569 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032248.D

Acq: 24 Sep 2025 16:52

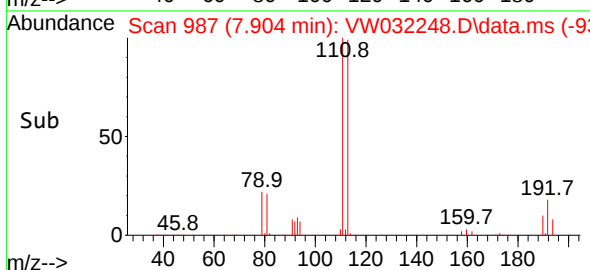
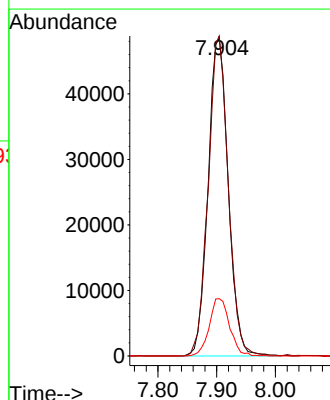
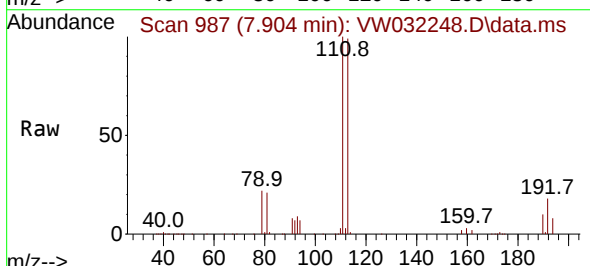
Tgt Ion:113 Resp: 115864

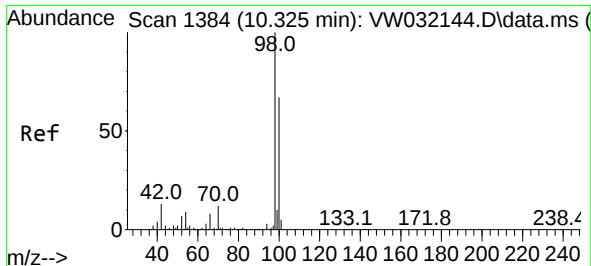
Ion Ratio Lower Upper

113 100

111 99.9 83.9 125.9

192 18.2 14.6 21.8

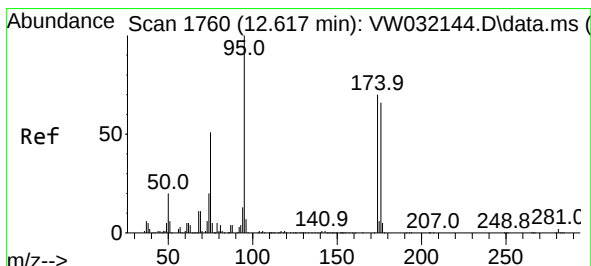
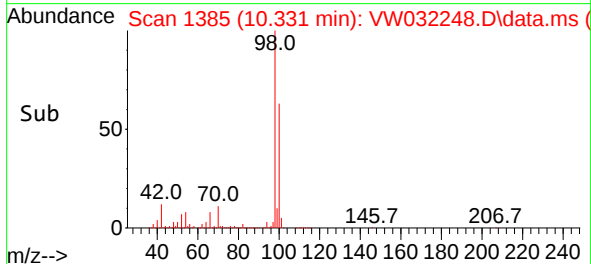
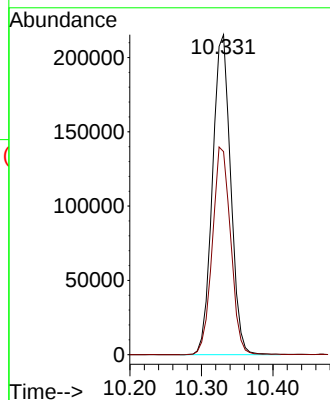
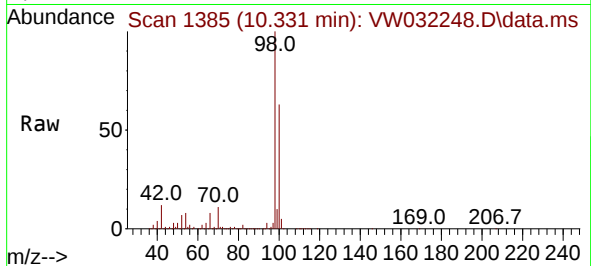




#50
Toluene-d8
Concen: 53.764 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

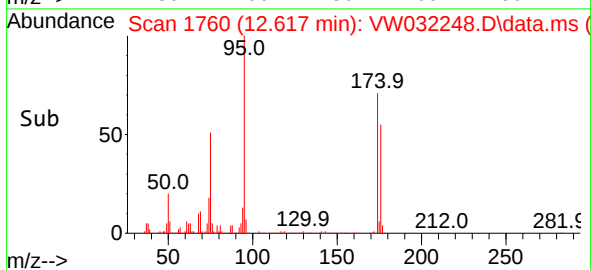
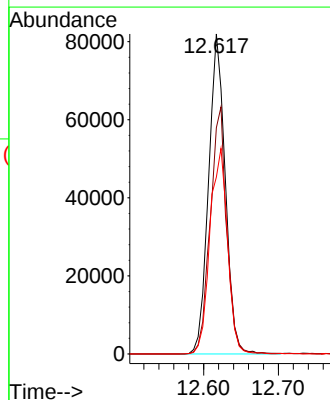
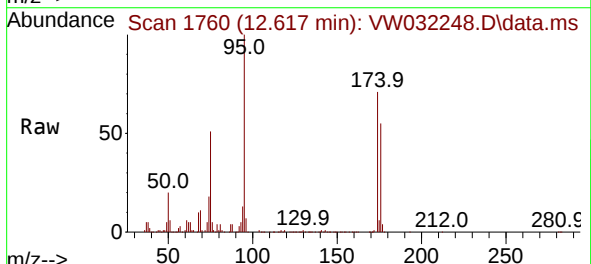
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-01

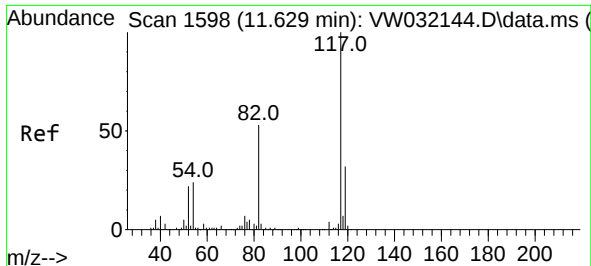
Tgt Ion: 98 Resp: 379852
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.517 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

Tgt Ion: 95 Resp: 126755
Ion Ratio Lower Upper
95 100
174 76.7 0.0 145.6
176 68.0 0.0 140.8

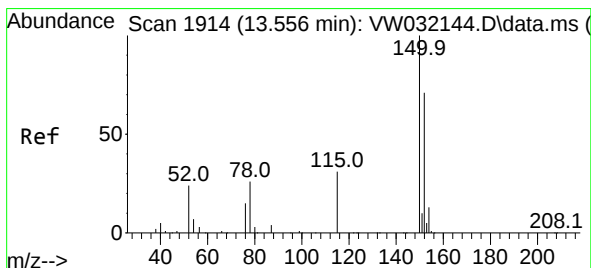
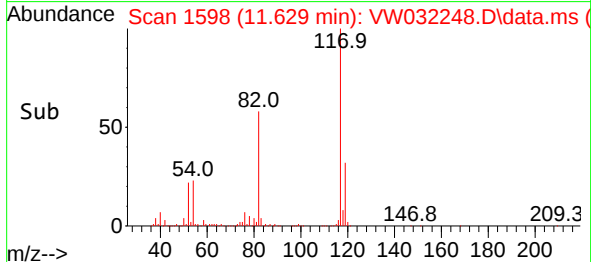
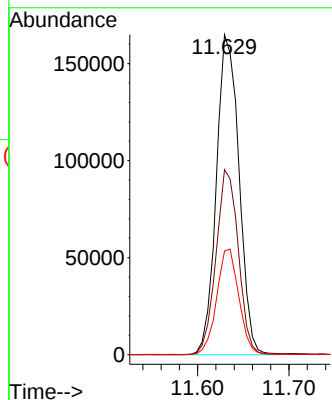
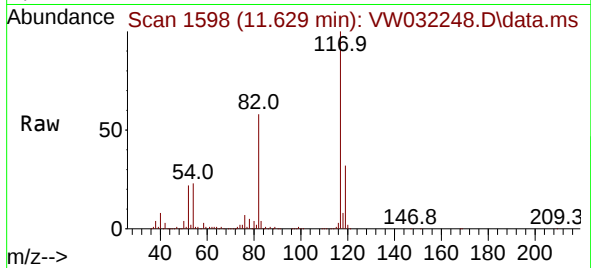




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-01

Tgt Ion:117 Resp: 284291
Ion Ratio Lower Upper
117 100
82 57.9 42.7 64.1
119 32.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032248.D
Acq: 24 Sep 2025 16:52

Tgt Ion:152 Resp: 137171
Ion Ratio Lower Upper
152 100
115 60.4 31.8 95.4
150 159.5 0.0 343.0

