

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032476.D
 Acq On : 18 Nov 2025 13:18
 Operator : SY/MD
 Sample : Q3638-01
 Misc : 3.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0327

Quant Time: Nov 19 00:26:52 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)

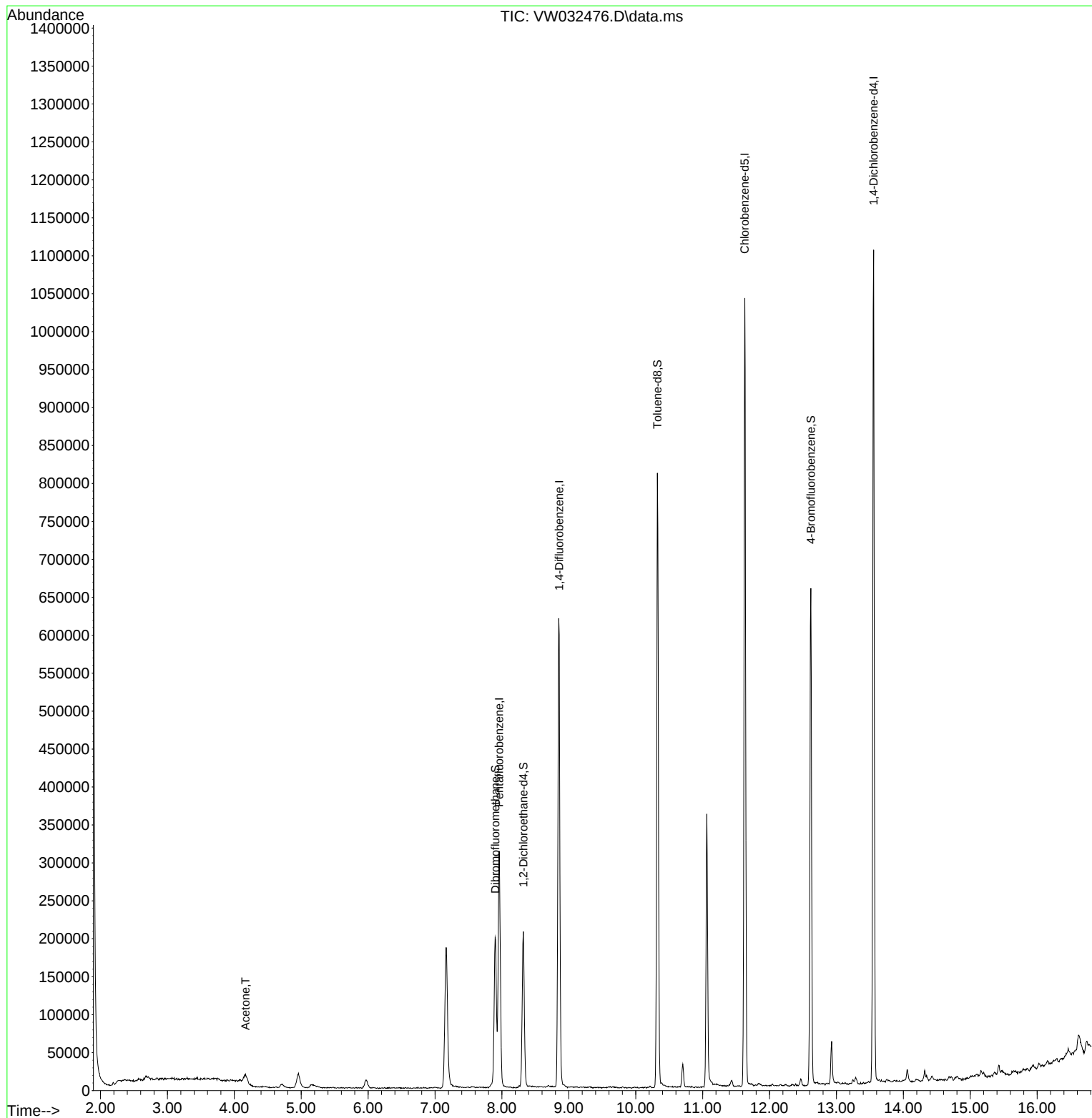
Internal Standards						
1) Pentafluorobenzene	7.959	168	217499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	524737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	560958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	282583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162272	57.870	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	115.740%
35) Dibromofluoromethane	7.898	113	150774	47.991	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.980%
50) Toluene-d8	10.325	98	528531	43.852	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	87.700%
62) 4-Bromofluorobenzene	12.617	95	236603	51.966	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	103.940%
Target Compounds						
16) Acetone	4.167	43	15949	19.012	ug/l	Qvalue 100

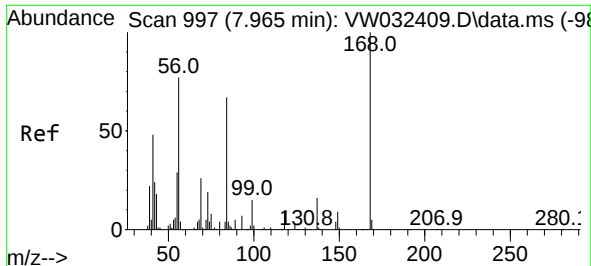
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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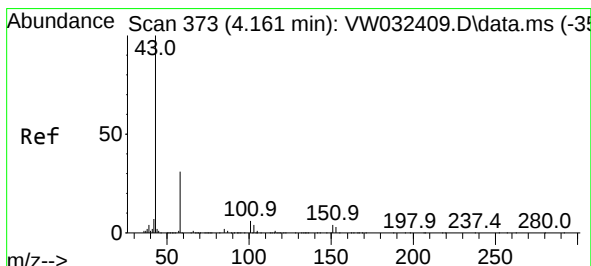
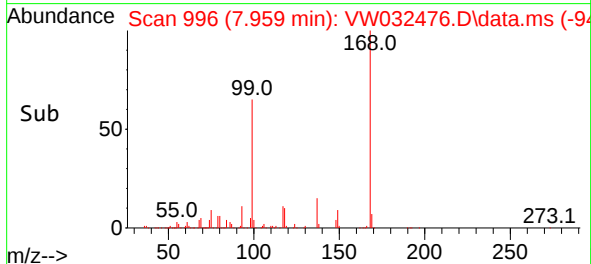
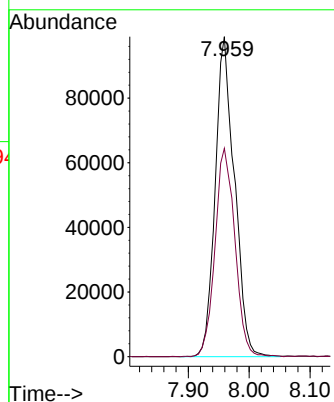
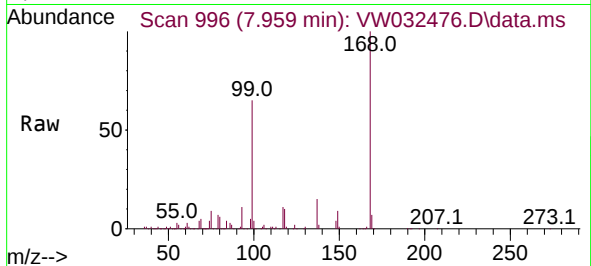




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032476.D
Acq: 18 Nov 2025 13:18

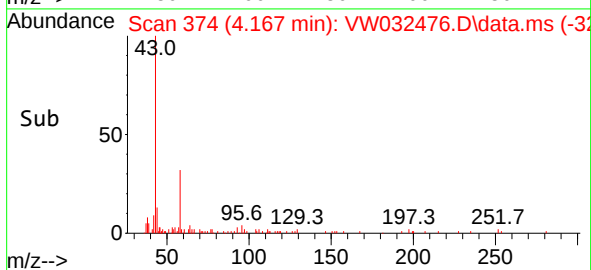
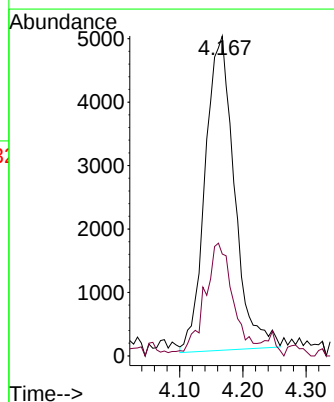
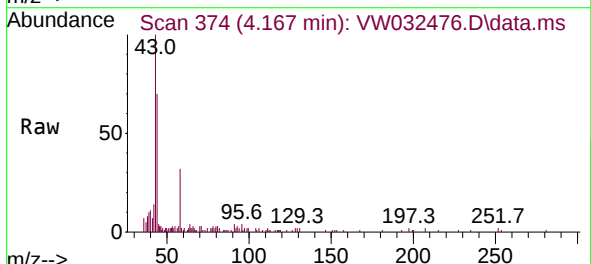
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0327

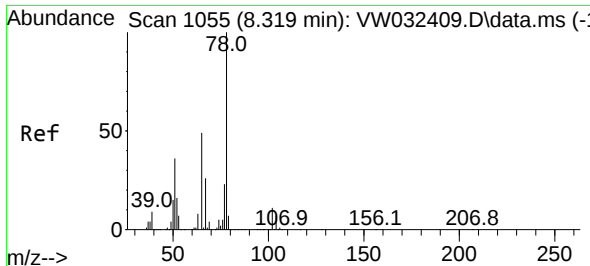
Tgt Ion:168 Resp: 217499
Ion Ratio Lower Upper
168 100
99 65.1 45.4 68.2



#16
Acetone
Concen: 19.012 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032476.D
Acq: 18 Nov 2025 13:18

Tgt Ion: 43 Resp: 15949
Ion Ratio Lower Upper
43 100
58 31.0 24.8 37.2





#33

1,2-Dichloroethane-d4

Concen: 57.870 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032476.D

Acq: 18 Nov 2025 13:18

Instrument :

MSVOA_W

ClientSampleId :

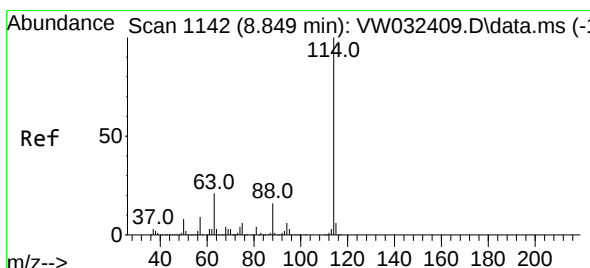
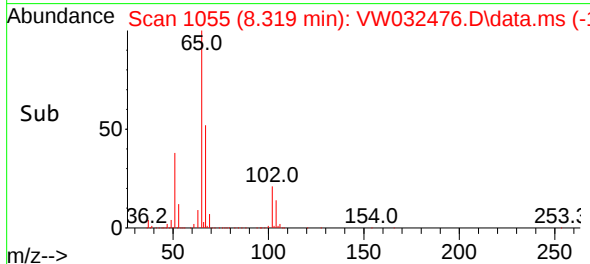
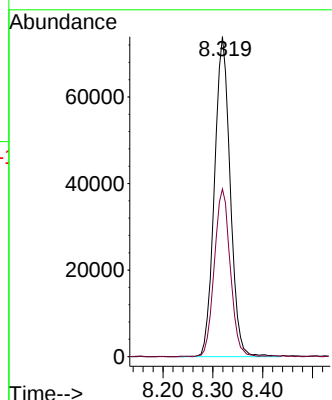
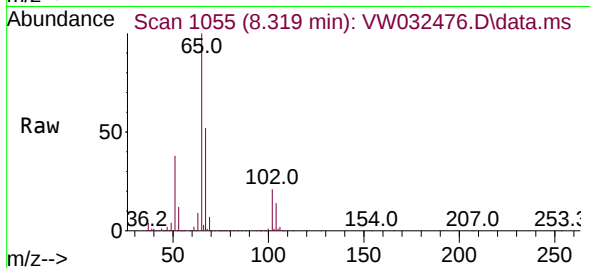
MOO-25-0327

Tgt Ion: 65 Resp: 162272

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032476.D

Acq: 18 Nov 2025 13:18

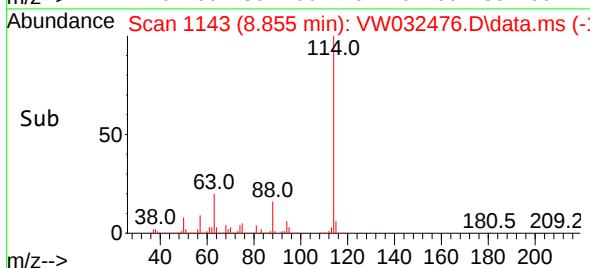
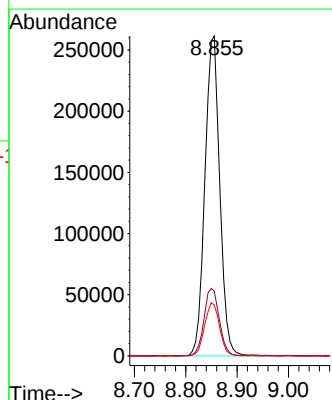
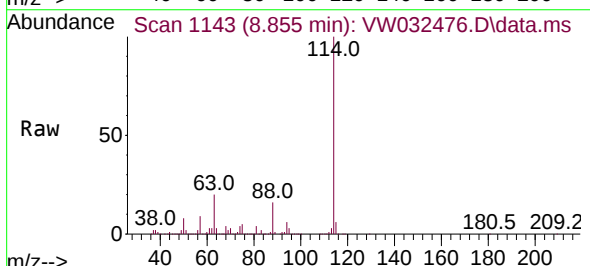
Tgt Ion: 114 Resp: 524737

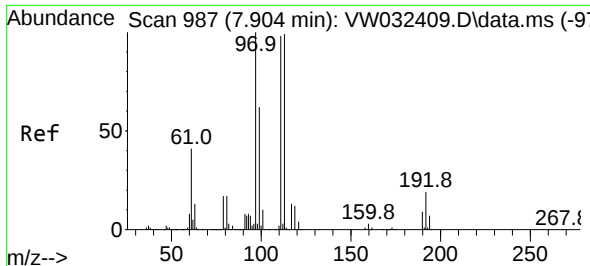
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.8

88 15.9 0.0 32.6

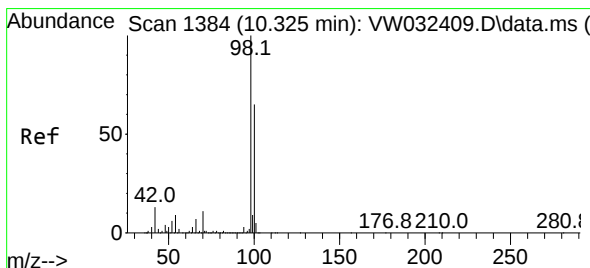
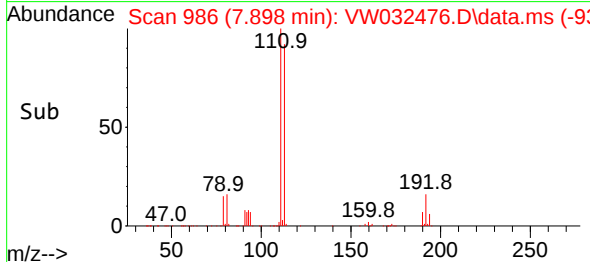
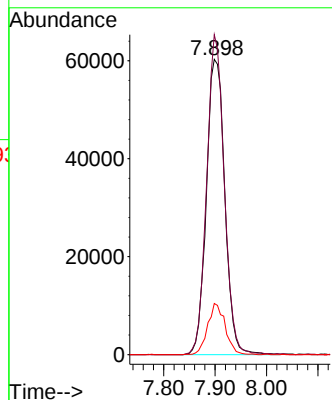
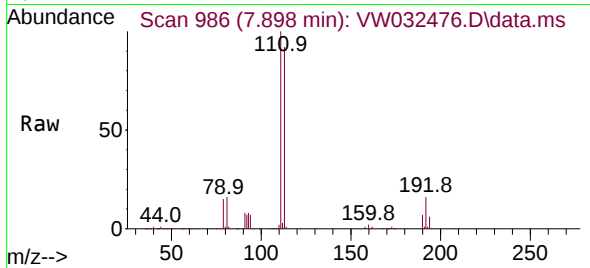




#35
Dibromofluoromethane
Concen: 47.991 ug/l
RT: 7.898 min Scan# 987
Delta R.T. -0.006 min
Lab File: VW032476.D
Acq: 18 Nov 2025 13:18

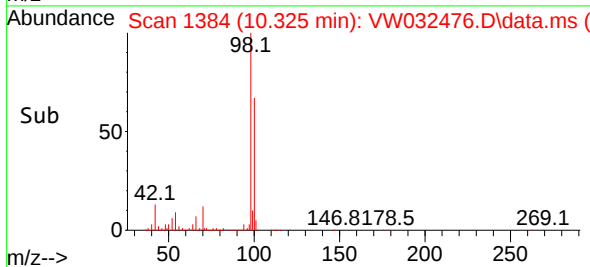
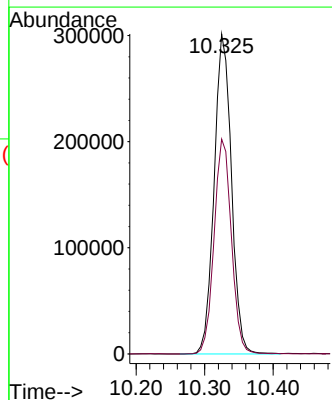
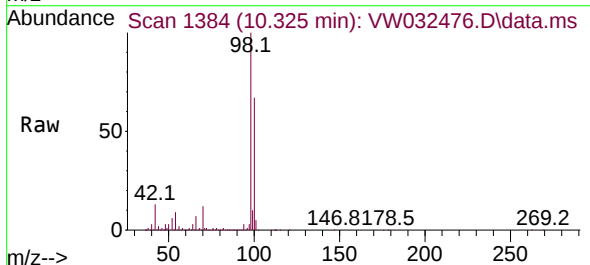
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0327

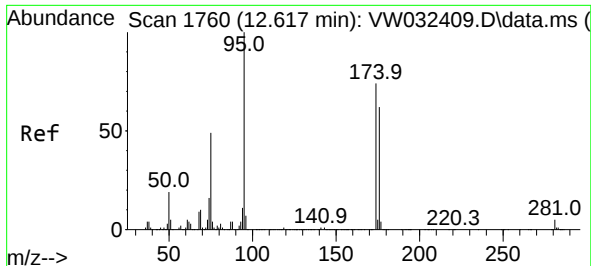
Tgt Ion:113 Resp: 150774
Ion Ratio Lower Upper
113 100
111 103.2 83.1 124.7
192 16.4 13.4 20.2



#50
Toluene-d8
Concen: 43.852 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032476.D
Acq: 18 Nov 2025 13:18

Tgt Ion: 98 Resp: 528531
Ion Ratio Lower Upper
98 100
100 67.2 53.3 79.9

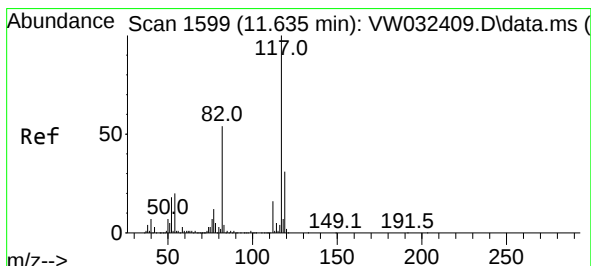
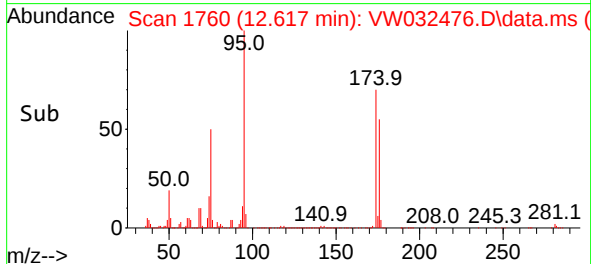
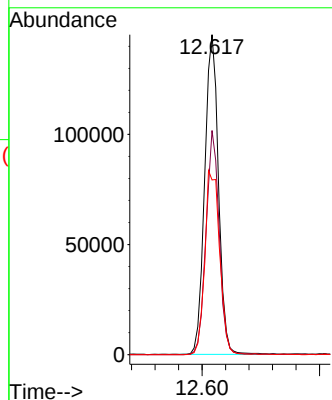
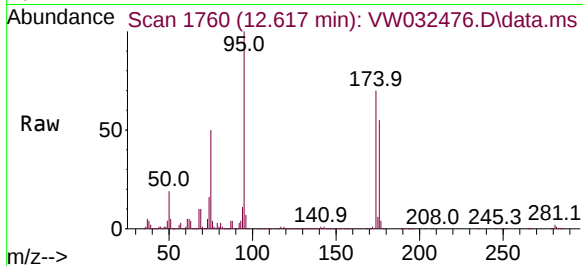




#62
4-Bromofluorobenzene
Concen: 51.966 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032476.D
Acq: 18 Nov 2025 13:18

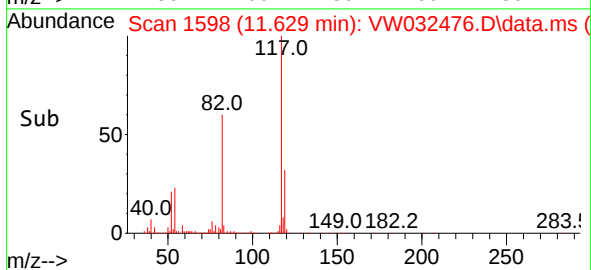
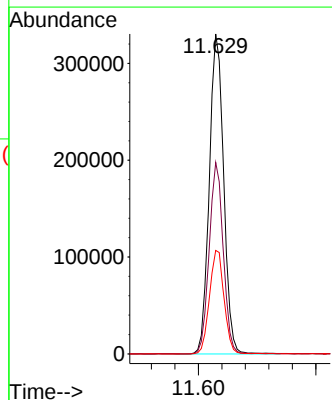
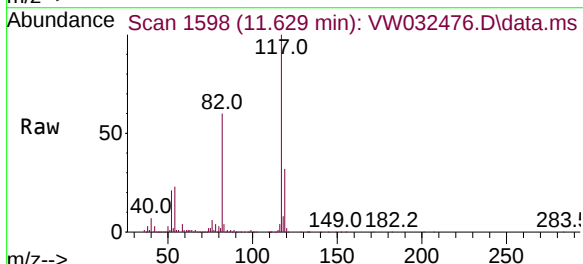
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0327

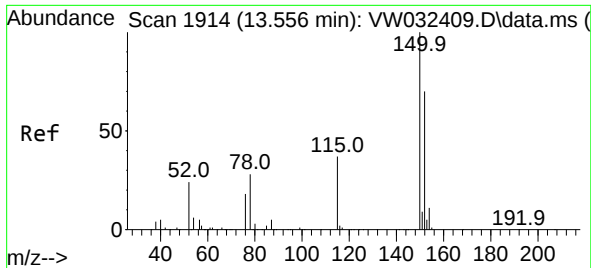
Tgt Ion: 95 Resp: 236603
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.4
176 61.9 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032476.D
Acq: 18 Nov 2025 13:18

Tgt Ion: 117 Resp: 560958
Ion Ratio Lower Upper
117 100
82 59.8 43.0 64.4
119 32.3 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: VW032476.D
 Acq: 18 Nov 2025 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0327

Tgt Ion:152 Resp: 282583
 Ion Ratio Lower Upper
 152 100
 115 64.1 32.8 98.3
 150 154.2 0.0 356.6

