

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031805.D
 Acq On : 10 Jul 2025 15:58
 Operator : SY/MD
 Sample : Q2555-03
 Misc : 4.30g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-30-070925

Quant Time: Jul 11 02:22:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	164102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	356847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	318986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	145135	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	129914	55.164	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.320%
35) Dibromofluoromethane	7.904	113	109107	46.856	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.720%
50) Toluene-d8	10.331	98	398020	45.931	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.617	95	148223	46.480	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.960%

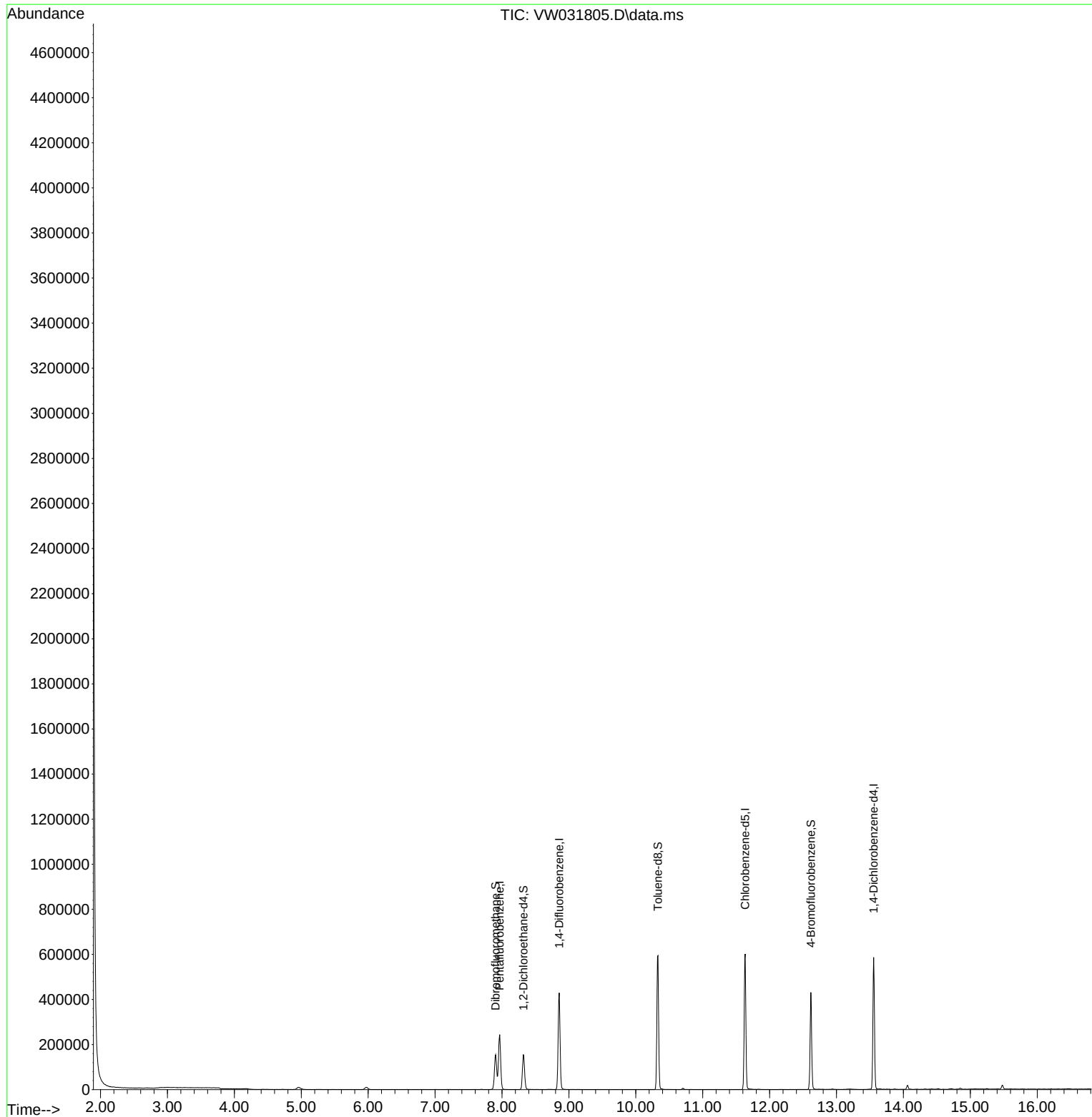
Target Compounds	Qvalue

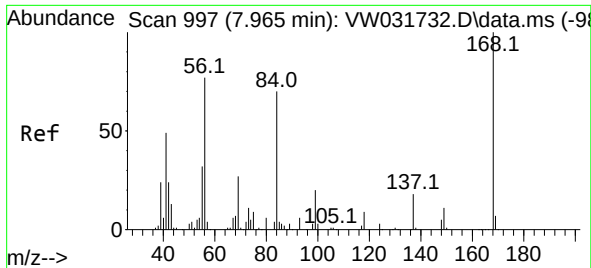
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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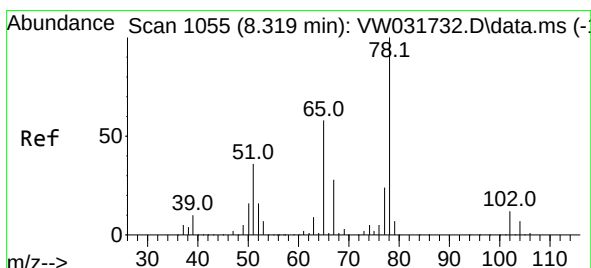
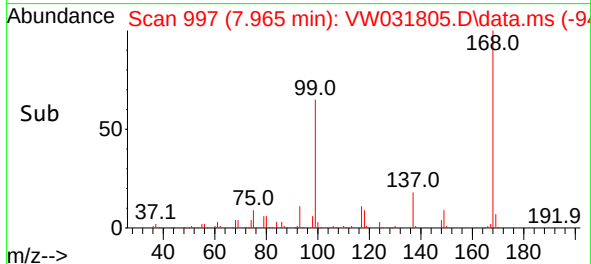
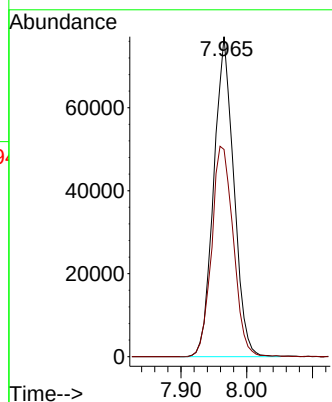
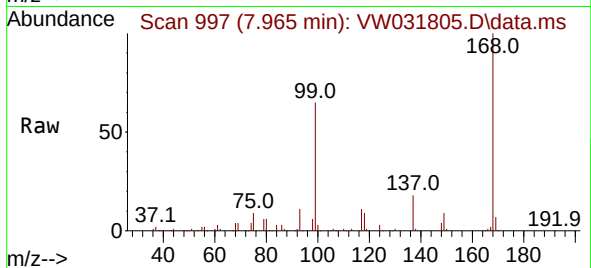




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

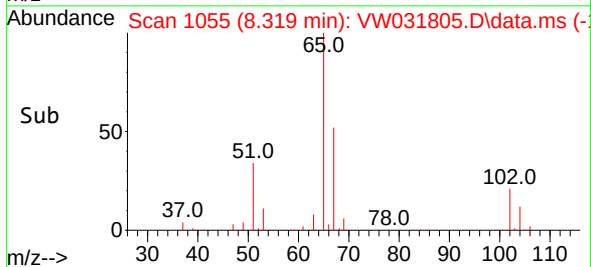
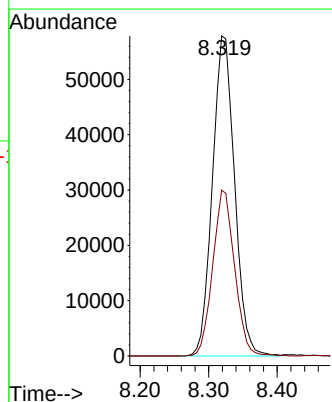
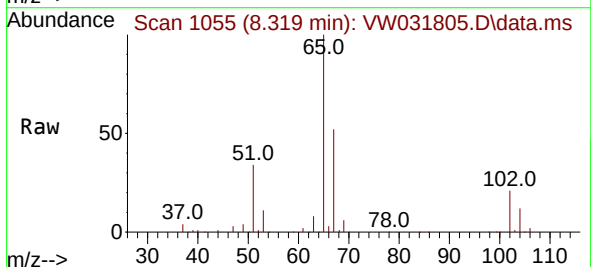
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-30-070925

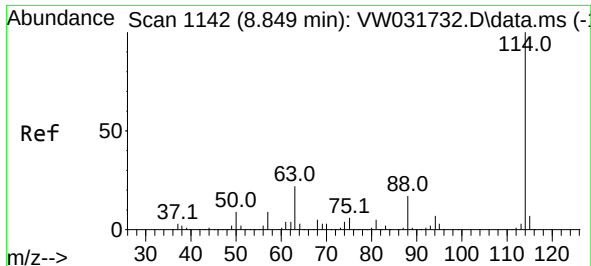
Tgt Ion:168 Resp: 164102
Ion Ratio Lower Upper
168 100
99 64.7 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 55.164 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

Tgt Ion: 65 Resp: 129914
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.4

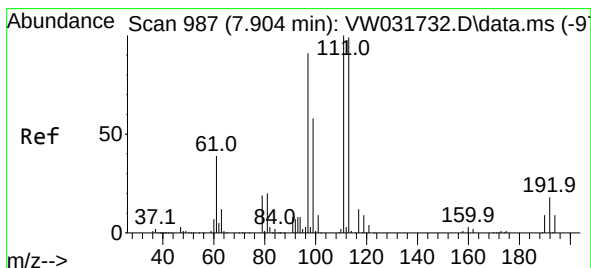
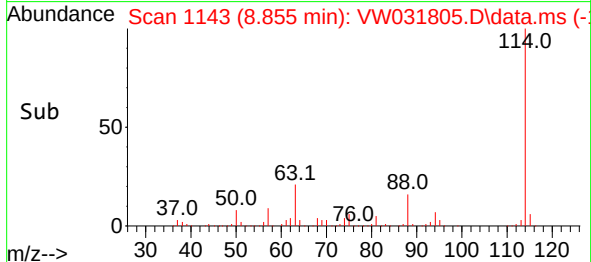
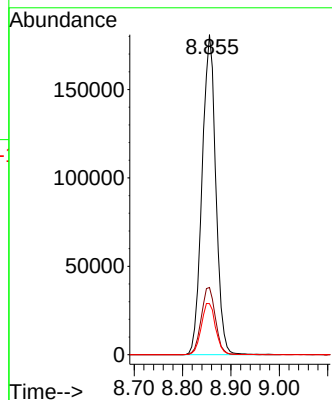
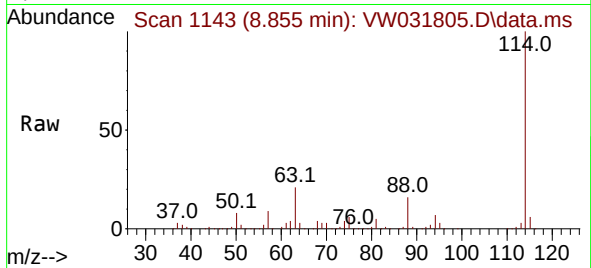




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

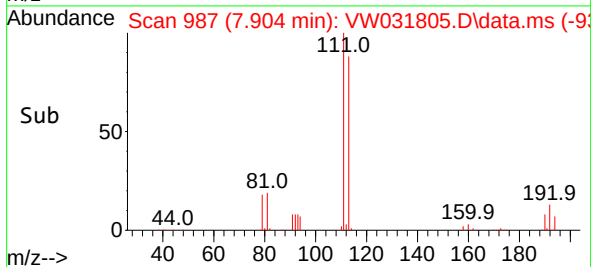
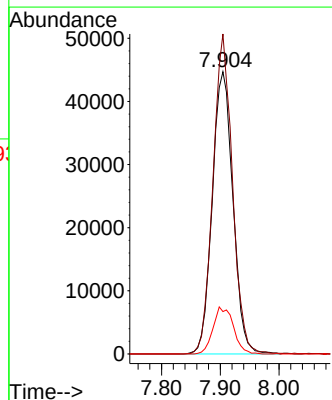
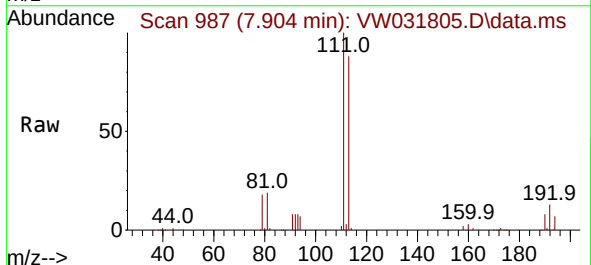
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-30-070925

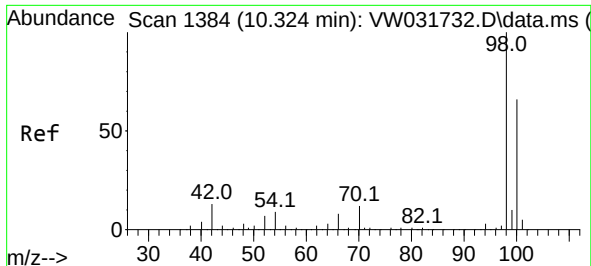
Tgt Ion:114 Resp: 356847
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.6
88 16.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 46.856 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

Tgt Ion:113 Resp: 109107
Ion Ratio Lower Upper
113 100
111 106.7 82.1 123.1
192 16.4 13.8 20.6

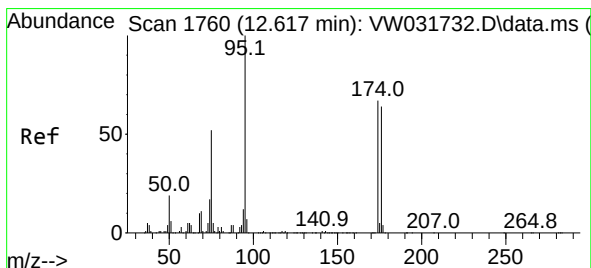
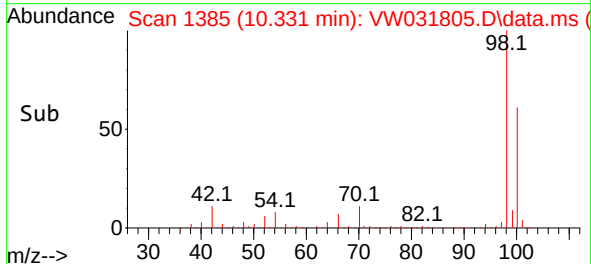
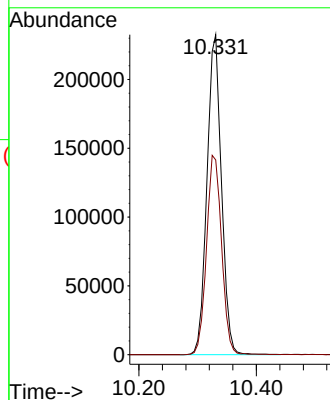
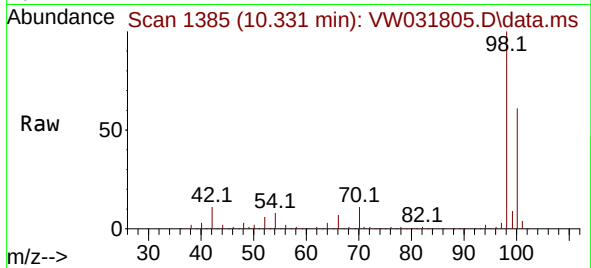




#50
Toluene-d8
Concen: 45.931 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

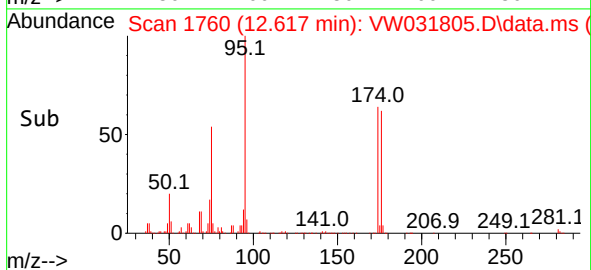
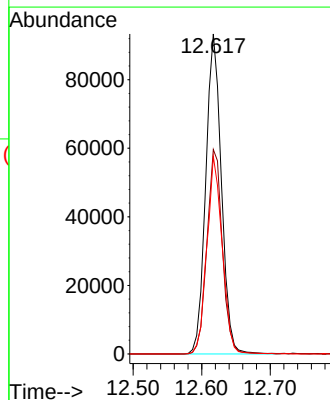
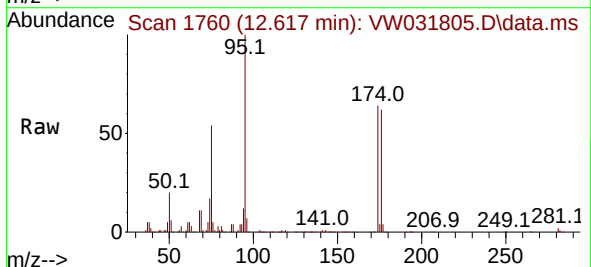
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-30-070925

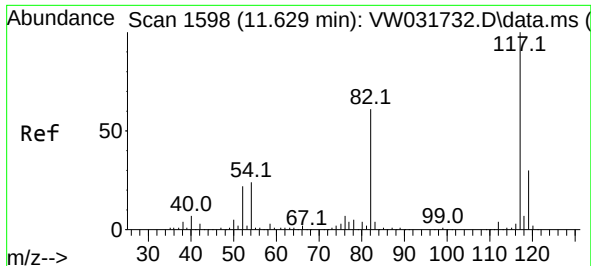
Tgt Ion: 98 Resp: 398020
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.480 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

Tgt Ion: 95 Resp: 148223
Ion Ratio Lower Upper
95 100
174 63.2 0.0 133.8
176 60.7 0.0 126.0

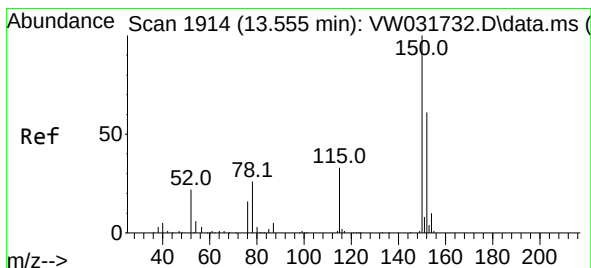
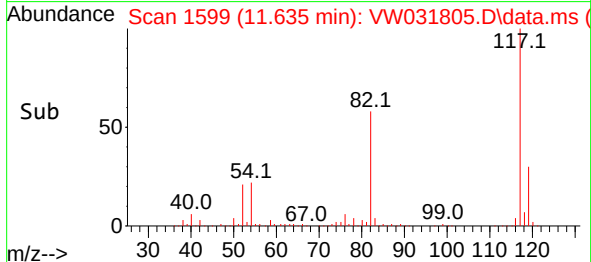
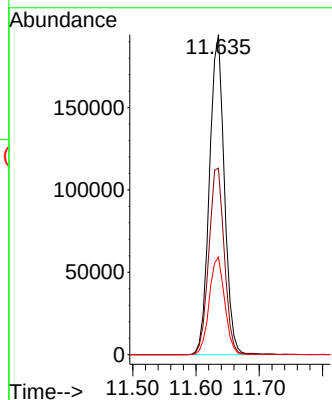
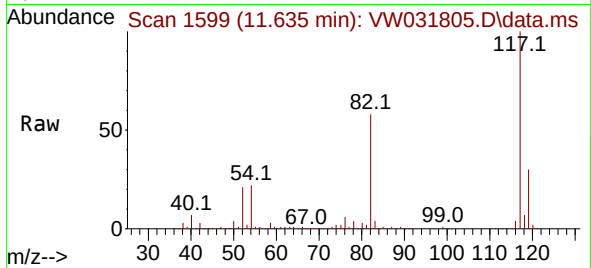




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:117	Resp: 318986		
Ion Ratio	Lower	Upper	
117 100			
82 58.3	48.6	72.8	
119 30.5	23.9	35.9	



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031805.D
Acq: 10 Jul 2025 15:58

Tgt Ion:152	Resp: 145135
Ion Ratio	Lower Upper
152 100	
115 64.6	31.9 95.7
150 156.8	0.0 356.4

