

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031813.D
 Acq On : 10 Jul 2025 18:53
 Operator : SY/MD
 Sample : Q2558-01
 Misc : 4.84g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jul 11 02:26:00 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	163572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	353977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	311203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	115898	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131087	55.842	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	111.680%
35) Dibromofluoromethane	7.904	113	112062	48.515	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.020%
50) Toluene-d8	10.330	98	389564	45.320	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.640%
62) 4-Bromofluorobenzene	12.617	95	128810	40.720	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	81.440%

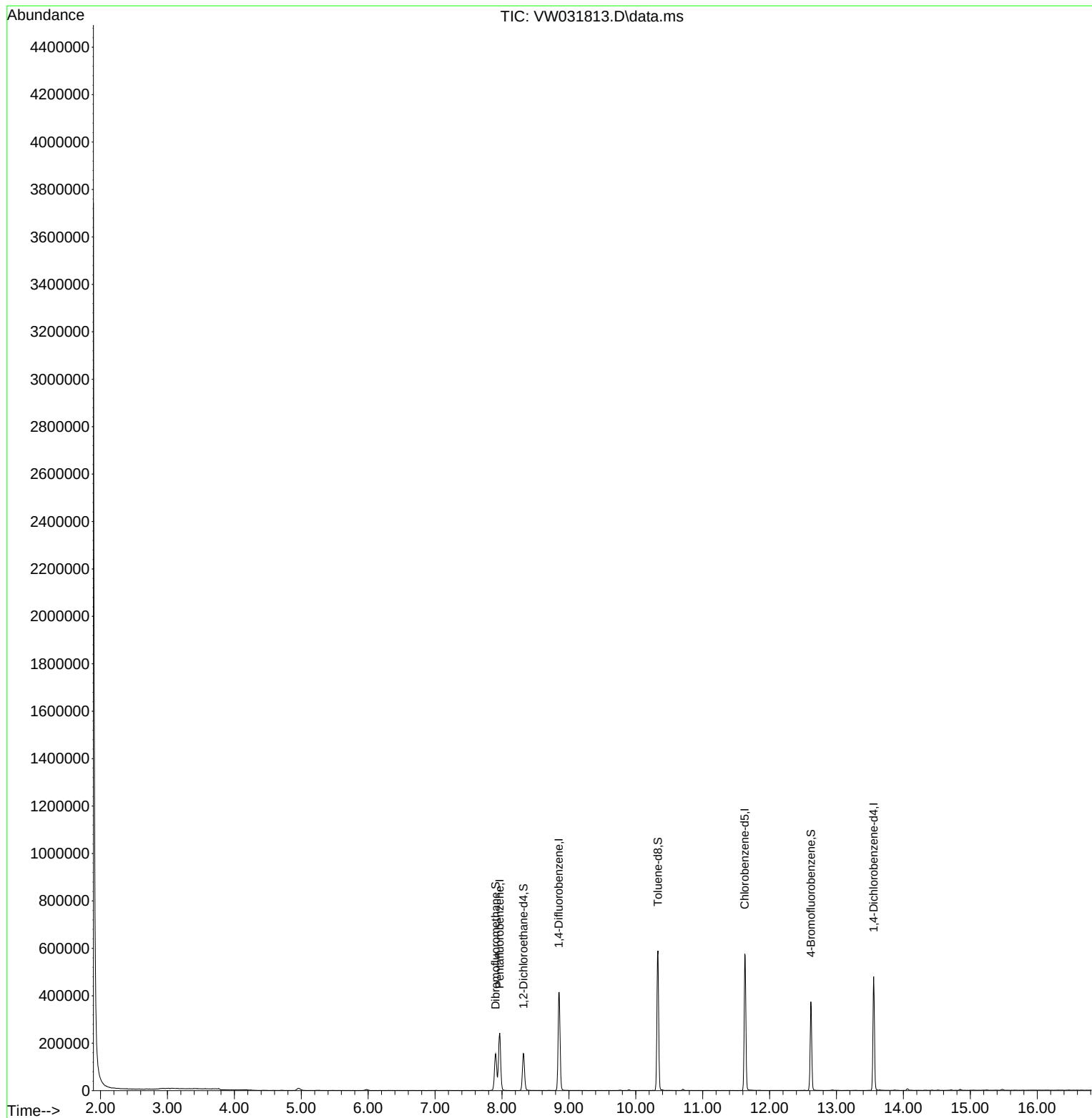
Target Compounds	Qvalue

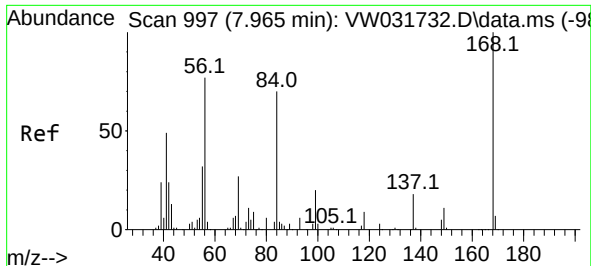
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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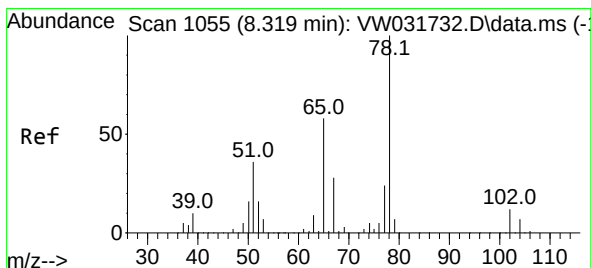
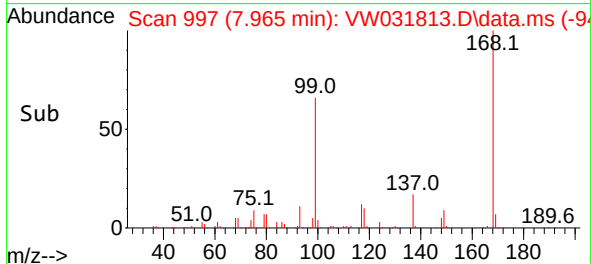
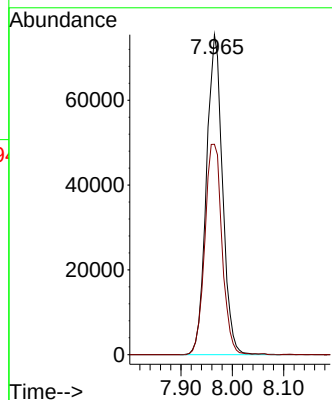
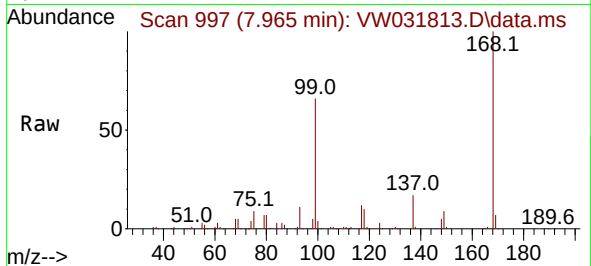




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

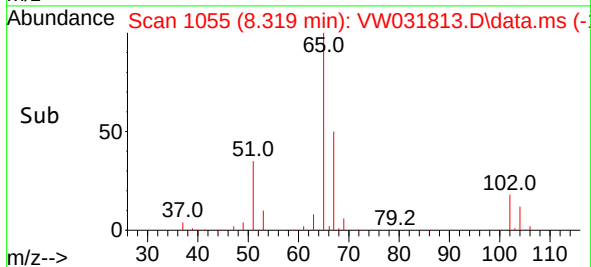
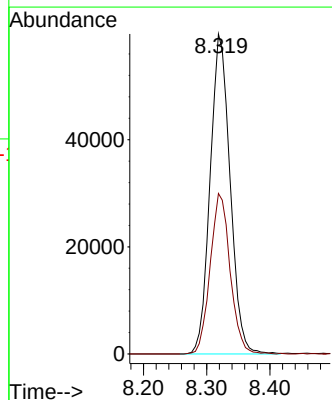
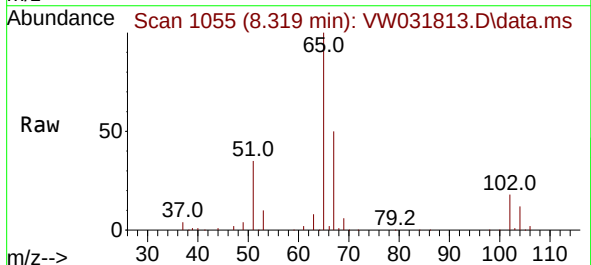
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Denali-070925

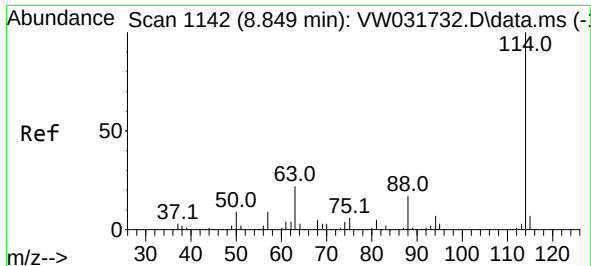
Tgt Ion:168 Resp: 163572
Ion Ratio Lower Upper
168 100
99 65.8 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 55.842 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Tgt Ion: 65 Resp: 131087
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.4

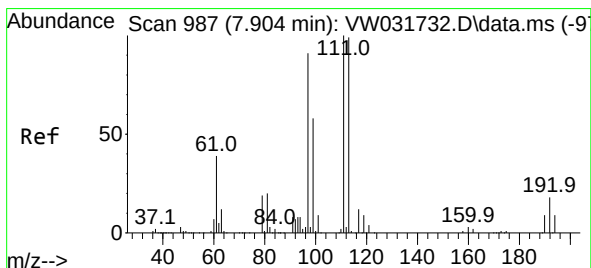
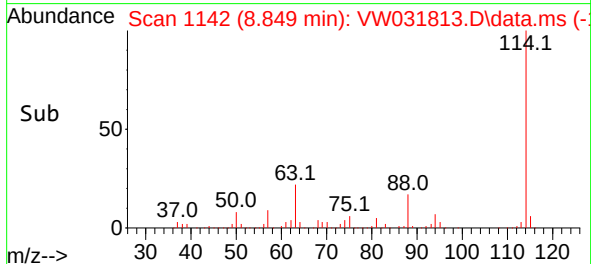
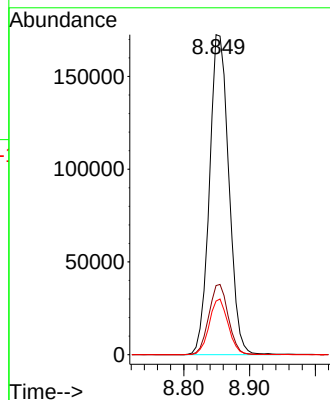
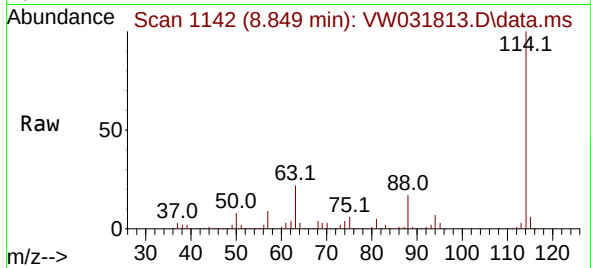




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

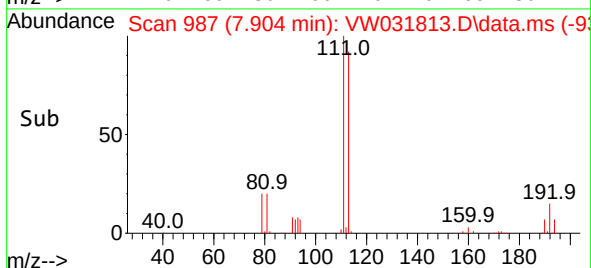
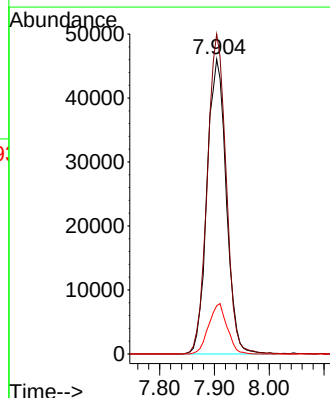
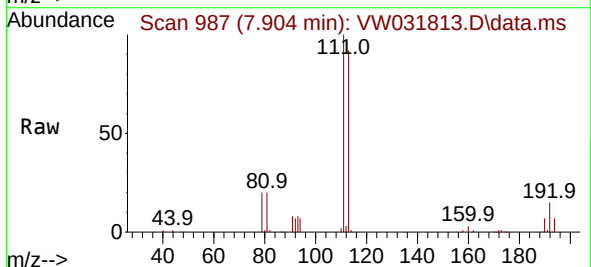
Instrument :
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ClientSampleId :
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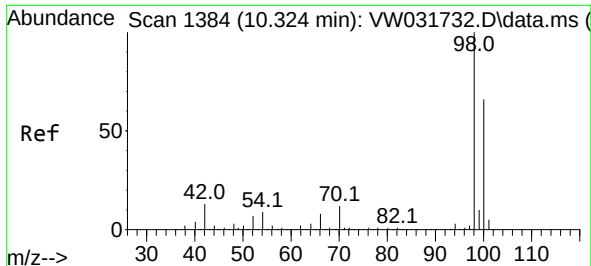
Tgt Ion:114 Resp: 353977
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.6
88 16.8 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.515 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Tgt Ion:113 Resp: 112062
Ion Ratio Lower Upper
113 100
111 106.2 82.1 123.1
192 16.3 13.8 20.6

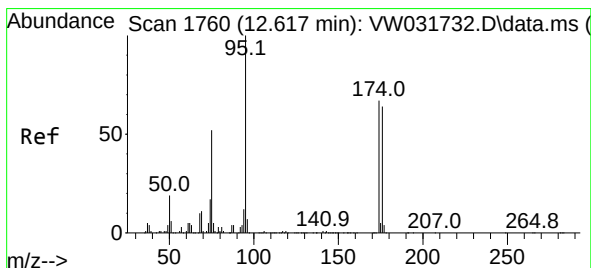
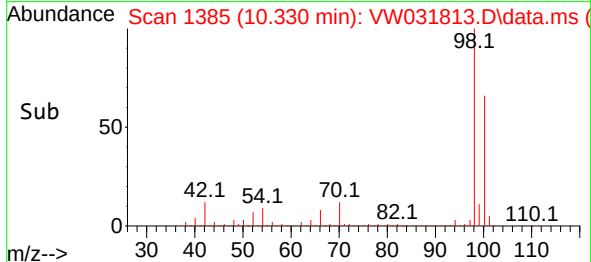
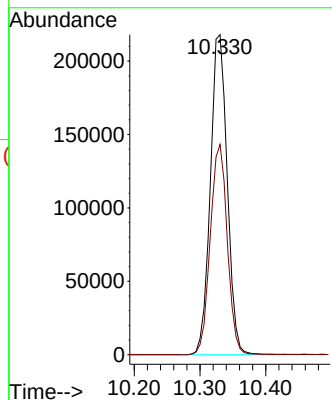
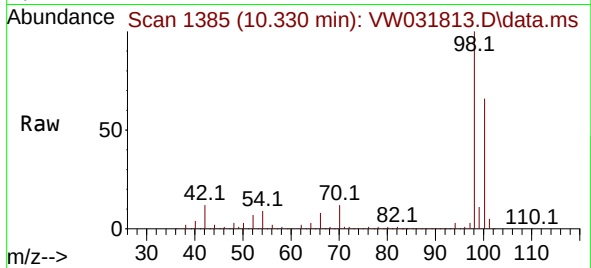




#50
Toluene-d8
Concen: 45.320 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

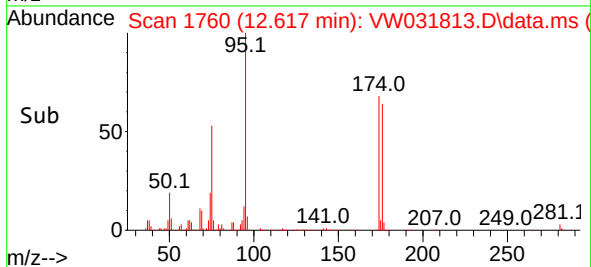
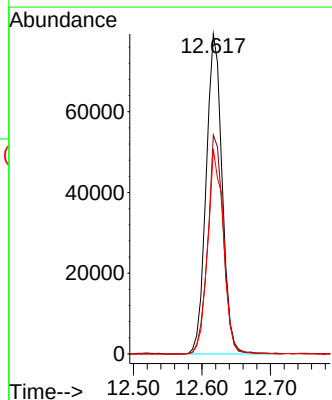
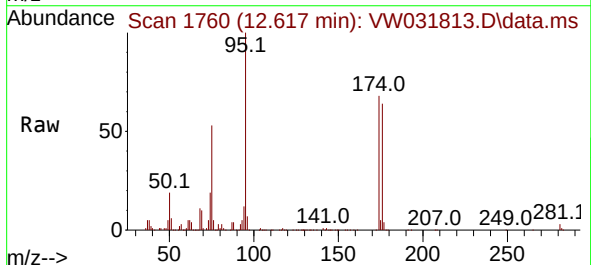
Instrument :
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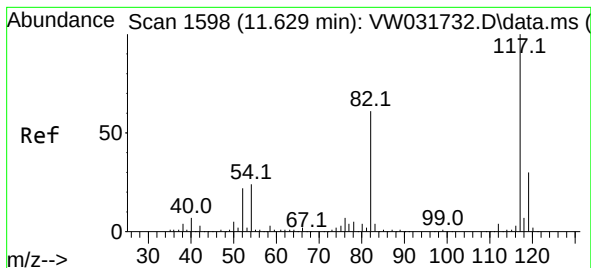
Tgt Ion: 98 Resp: 389564
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 40.720 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Tgt Ion: 95 Resp: 128810
Ion Ratio Lower Upper
95 100
174 66.7 0.0 133.8
176 63.3 0.0 126.0

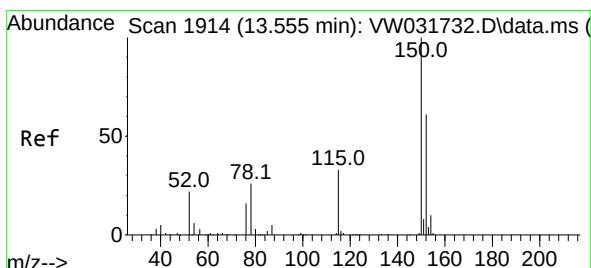
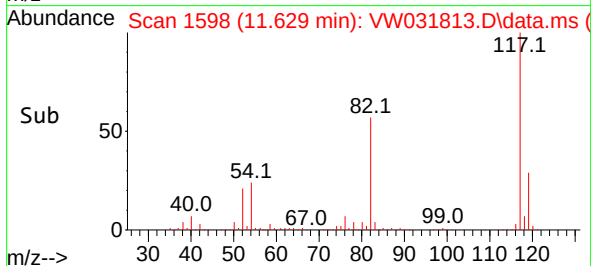
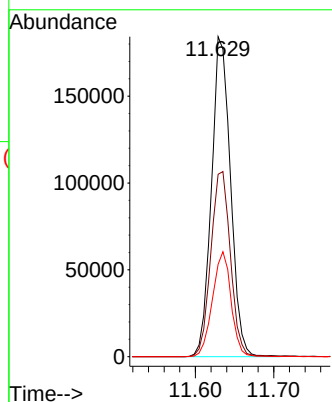
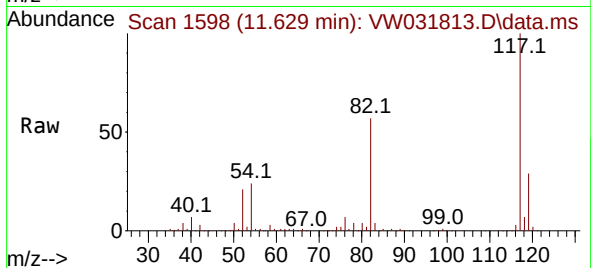




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

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

Tgt Ion:117 Resp: 311203
Ion Ratio Lower Upper
117 100
82 57.0 48.6 72.8
119 28.9 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Tgt Ion:152 Resp: 115898
Ion Ratio Lower Upper
152 100
115 65.7 31.9 95.7
150 157.0 0.0 356.4

