

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031826.D
 Acq On : 11 Jul 2025 17:38
 Operator : SY/MD
 Sample : Q2564-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0030

Quant Time: Jul 11 22:51:53 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	7.959	168	171485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	357281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	343067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162406	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	138241	56.173	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	112.340%
35) Dibromofluoromethane	7.904	113	116059	49.781	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.560%
50) Toluene-d8	10.325	98	389631	44.908	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.820%
62) 4-Bromofluorobenzene	12.617	95	154385	48.354	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.700%

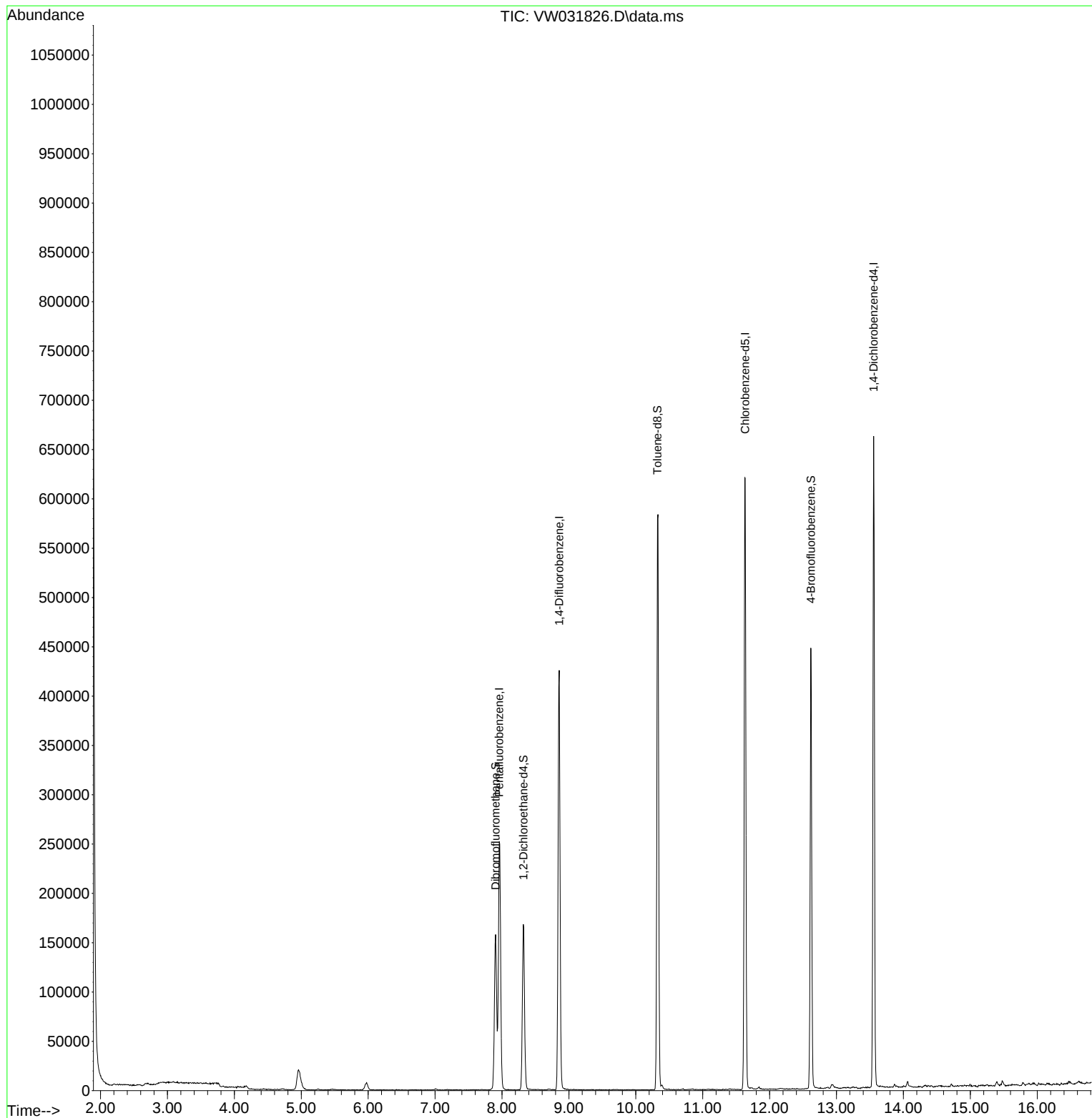
Target Compounds	Qvalue

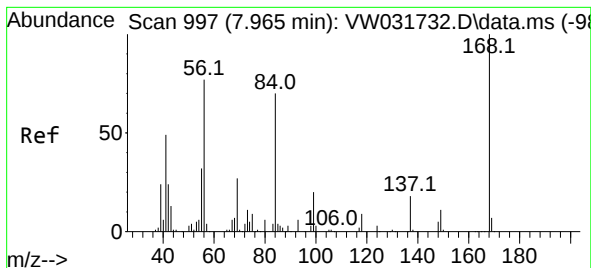
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 99

Delta R.T. -0.006 min

Lab File: VW031826.D

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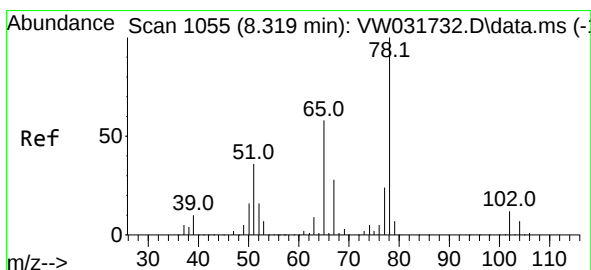
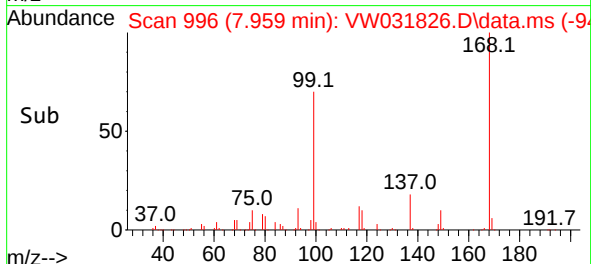
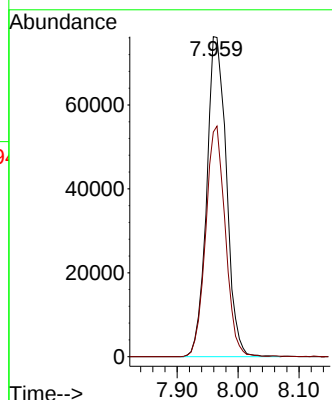
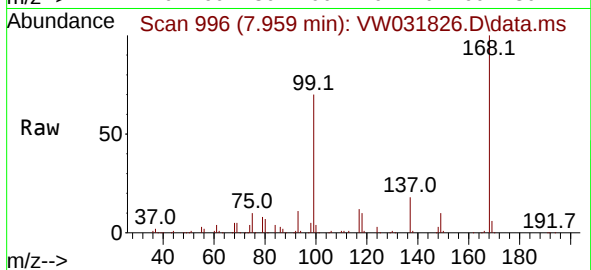
ARS20-0030

Tgt Ion:168 Resp: 171485

Ion Ratio Lower Upper

168 100

99 70.2 49.4 74.2



#33

1,2-Dichloroethane-d4

Concen: 56.173 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031826.D

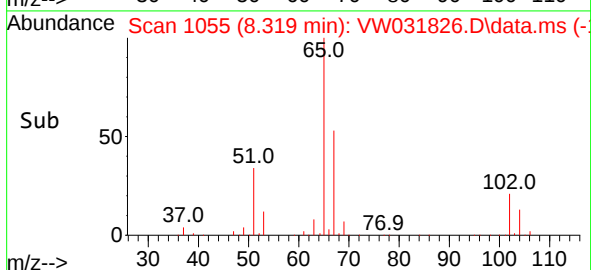
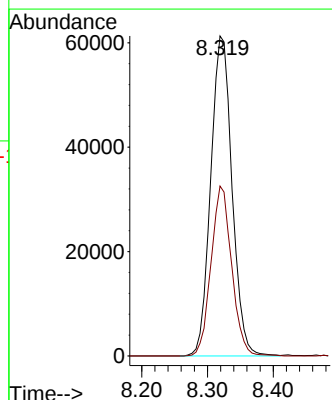
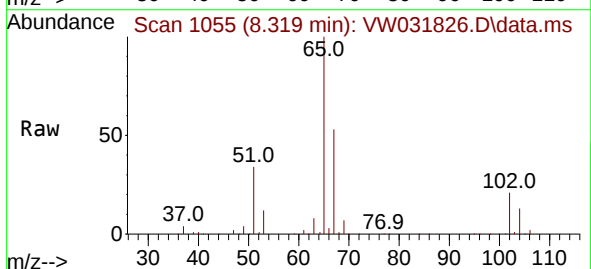
Acq: 11 Jul 2025 17:38

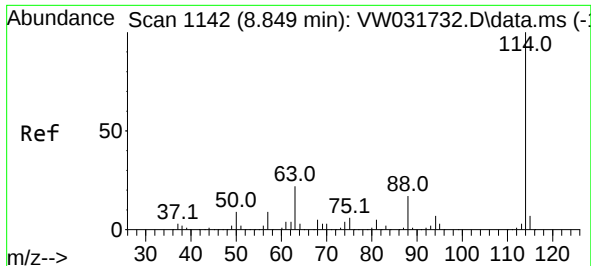
Tgt Ion: 65 Resp: 138241

Ion Ratio Lower Upper

65 100

67 51.4 0.0 99.4

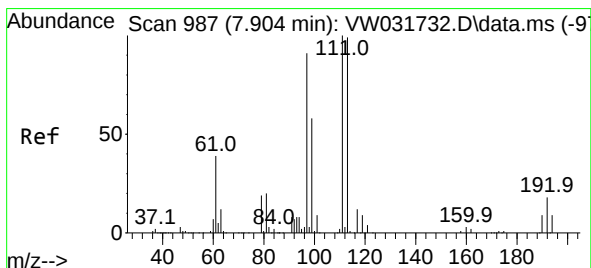
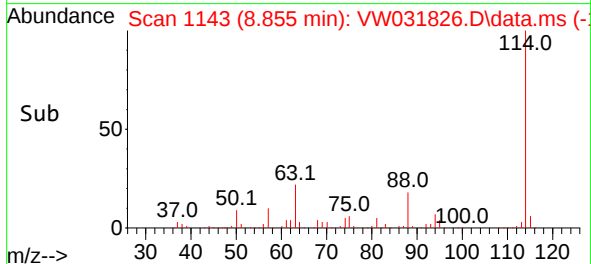
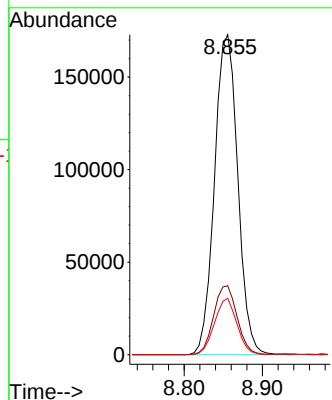
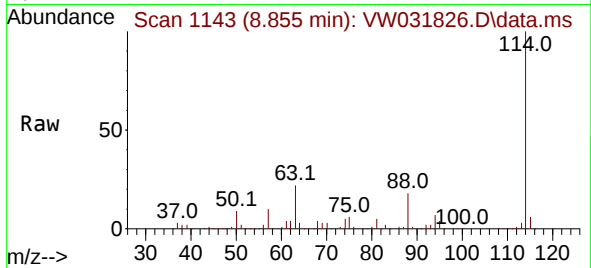




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

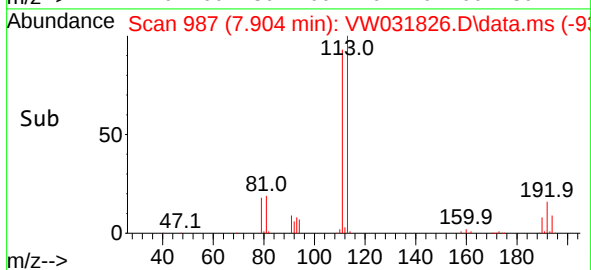
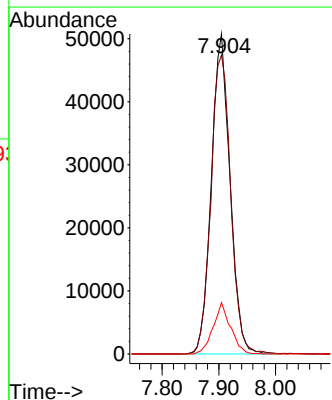
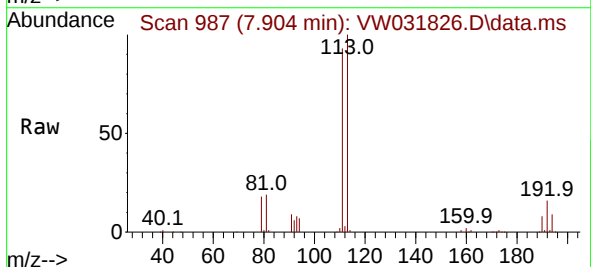
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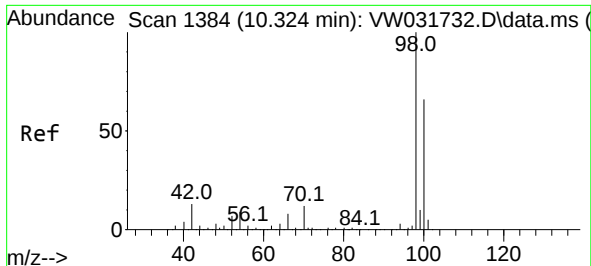
Tgt Ion:114 Resp: 357281
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.6
88 17.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.781 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

Tgt Ion:113 Resp: 116059
Ion Ratio Lower Upper
113 100
111 99.2 82.1 123.1
192 15.0 13.8 20.6

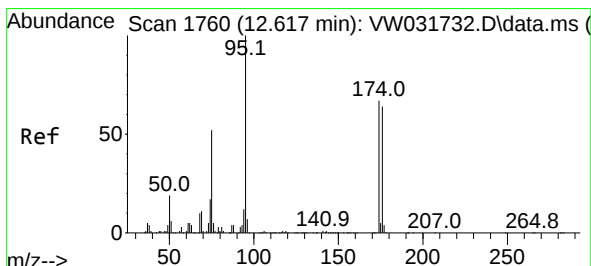
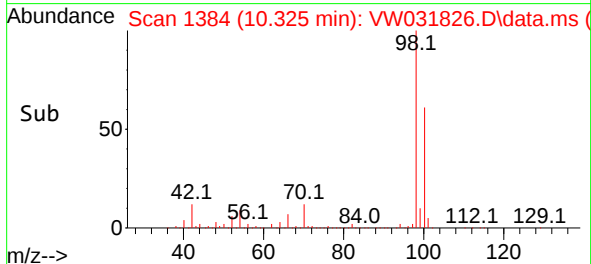
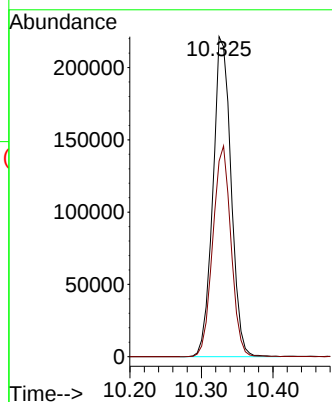
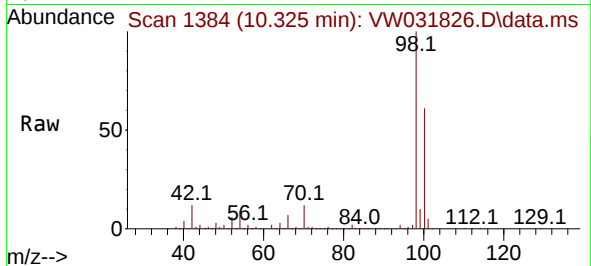




#50
Toluene-d8
Concen: 44.908 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

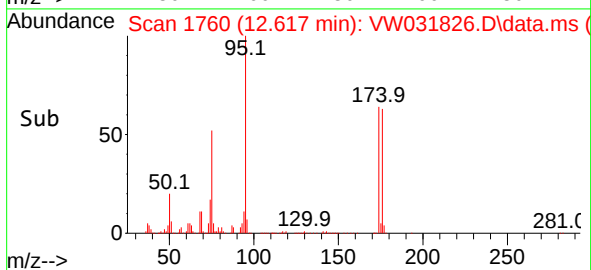
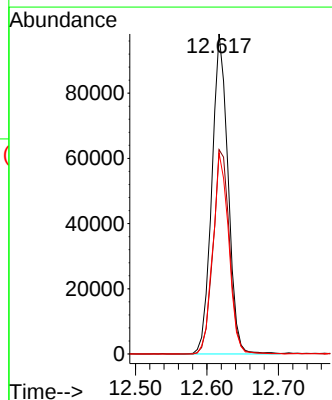
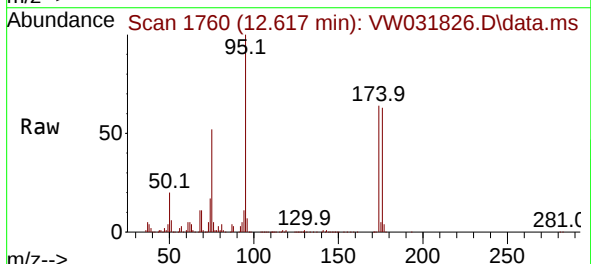
Instrument :
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ClientSampleId :
ARS20-0030

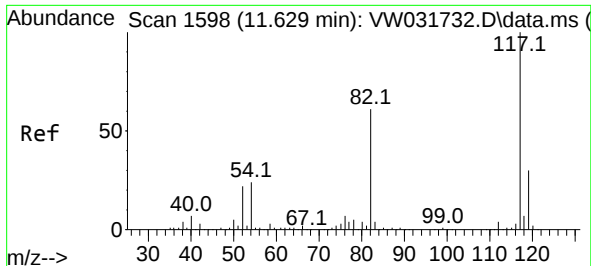
Tgt Ion: 98 Resp: 389631
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.354 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

Tgt Ion: 95 Resp: 154385
Ion Ratio Lower Upper
95 100
174 64.7 0.0 133.8
176 61.6 0.0 126.0

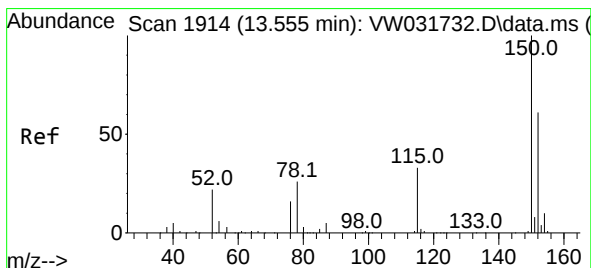
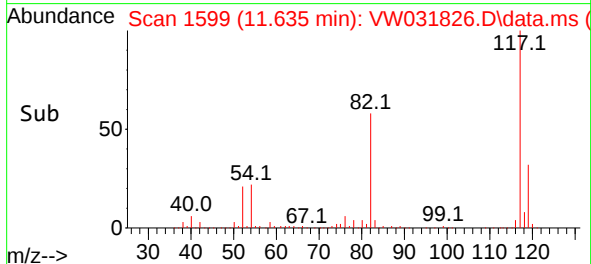
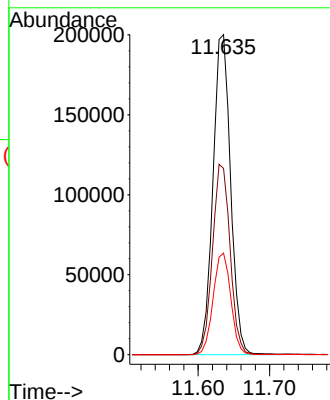
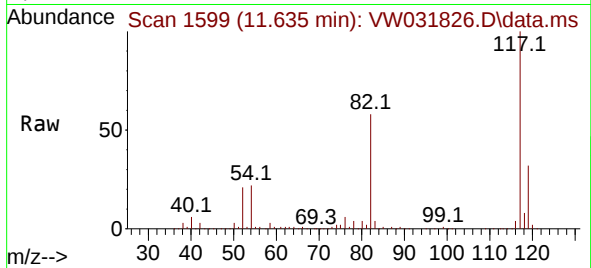




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031826.D
Acq: 11 Jul 2025 17:38

Instrument :
MSVOA_W
ClientSampleId :
ARS20-0030

Tgt Ion:117 Resp: 343067
Ion Ratio Lower Upper
117 100
82 58.2 48.6 72.8
119 31.7 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: VW031826.D
Acq: 11 Jul 2025 17:38

Tgt Ion:152 Resp: 162406
Ion Ratio Lower Upper
152 100
115 63.9 31.9 95.7
150 154.9 0.0 356.4

