

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
 Data File : VW032518.D
 Acq On : 20 Nov 2025 12:37
 Operator : SY/MD
 Sample : Q3678-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMPOSITE-STONE

Quant Time: Nov 21 01:21:27 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	237513	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	564484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	618499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	309463	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162945	53.213	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	106.420%
35) Dibromofluoromethane	7.898	113	154780	45.797	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	91.600%
50) Toluene-d8	10.325	98	581112	44.819	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.640%
62) 4-Bromofluorobenzene	12.617	95	279199	57.004	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	114.000%

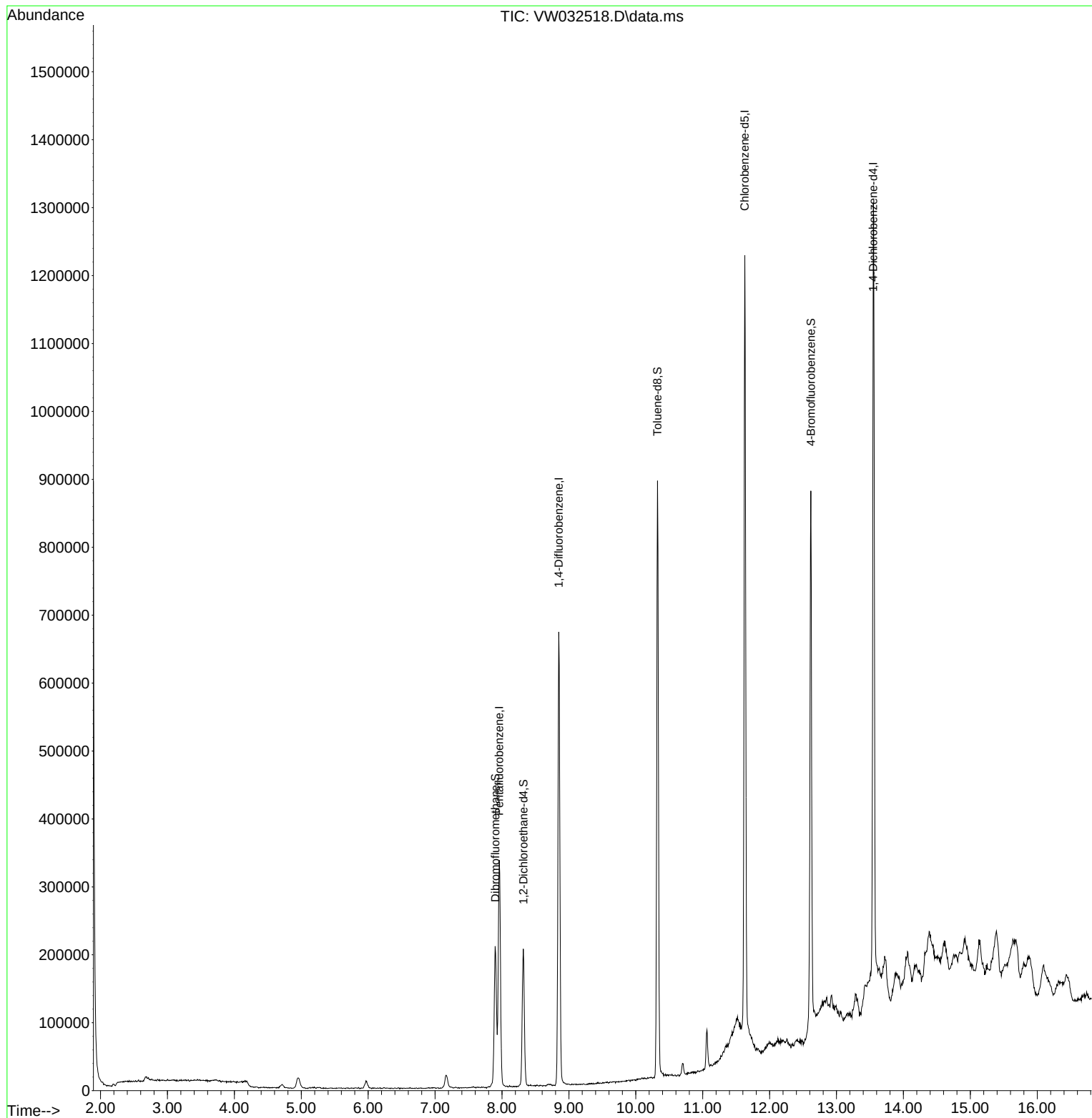
Target Compounds	Qvalue

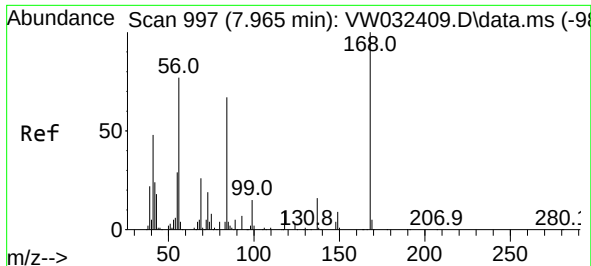
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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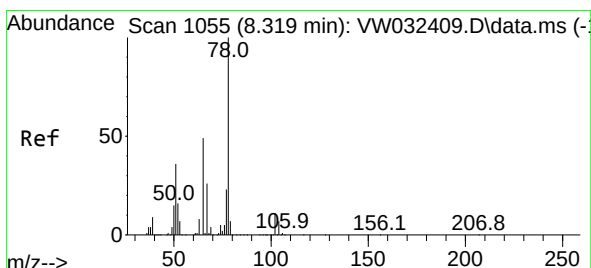
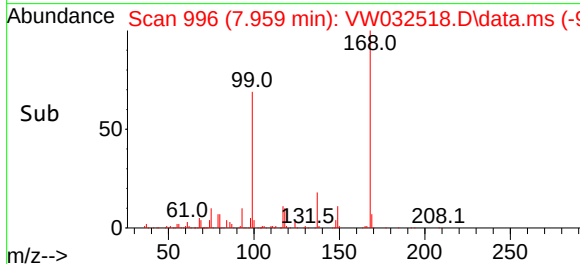
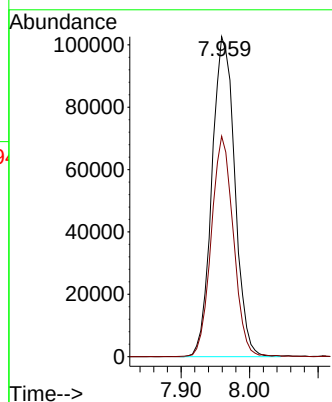
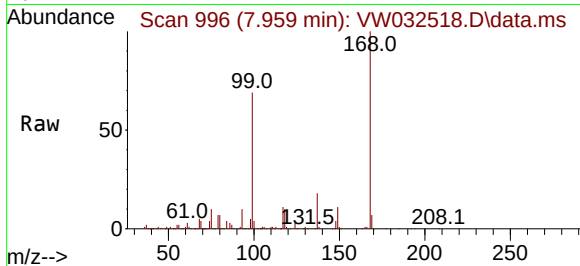




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

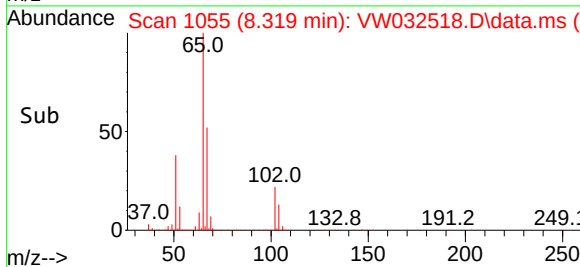
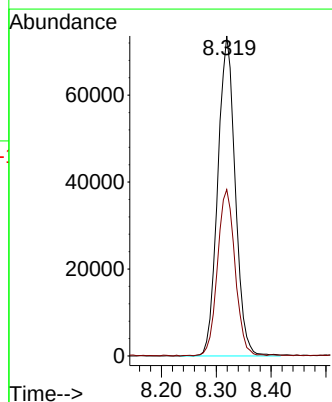
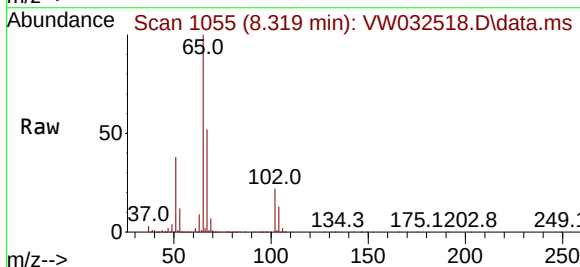
Instrument :
MSVOA_W
ClientSampleId :
COMPOSITE-STONE

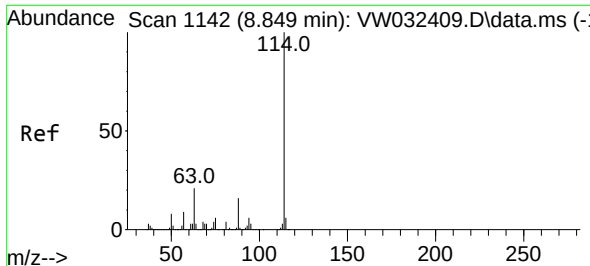
Tgt Ion:168 Resp: 237513
Ion Ratio Lower Upper
168 100
99 68.8 45.4 68.2#



#33
1,2-Dichloroethane-d4
Concen: 53.213 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion: 65 Resp: 162945
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8

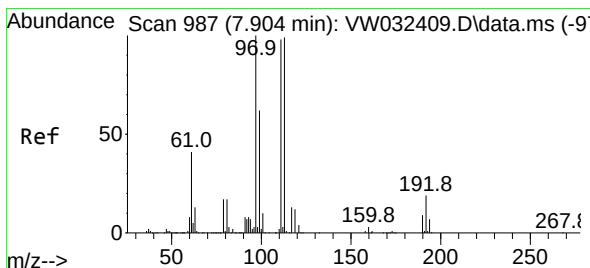
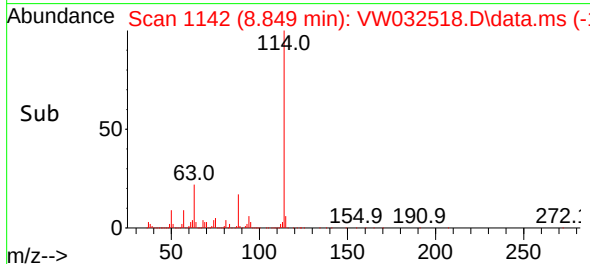
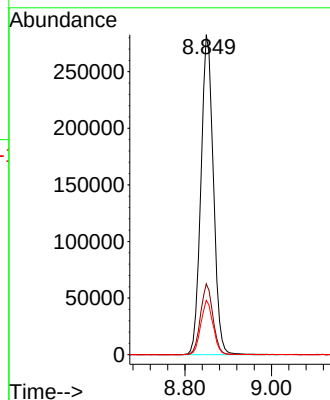
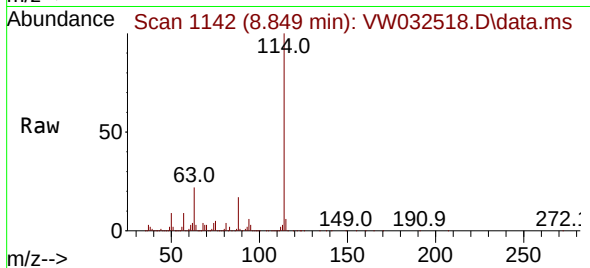




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

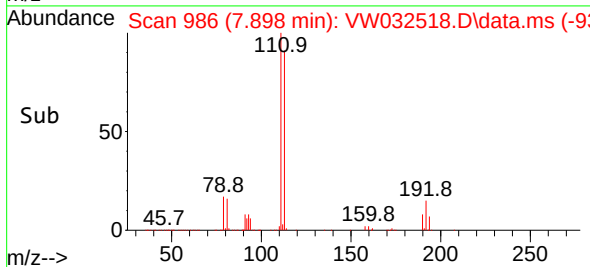
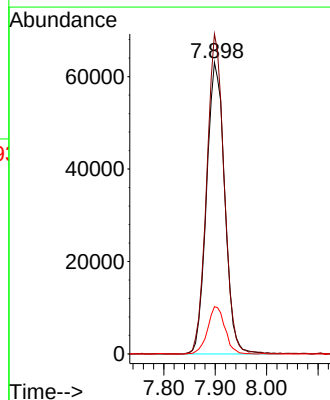
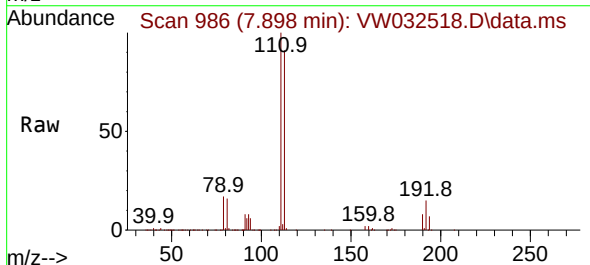
Instrument :
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ClientSampleId :
COMPOSITE-STONE

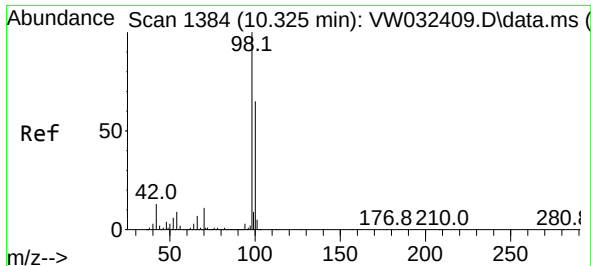
Tgt Ion:114 Resp: 564484
Ion Ratio Lower Upper
114 100
63 22.1 0.0 41.8
88 17.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 45.797 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion:113 Resp: 154780
Ion Ratio Lower Upper
113 100
111 105.6 83.1 124.7
192 15.5 13.4 20.2

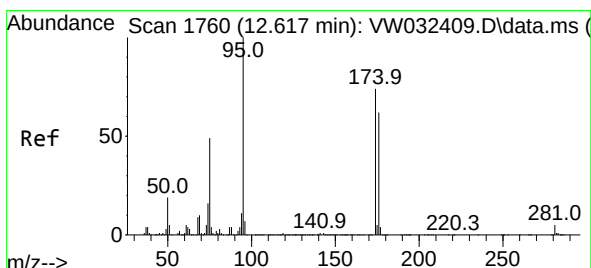
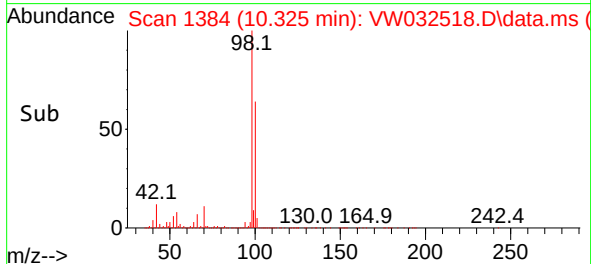
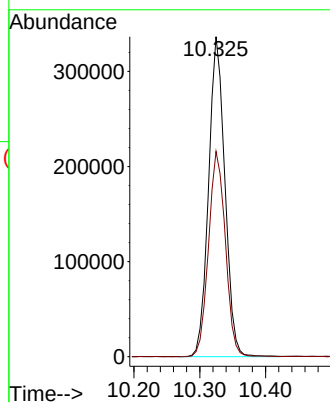
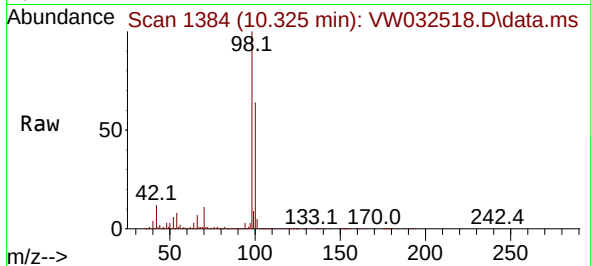




#50
Toluene-d8
Concen: 44.819 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

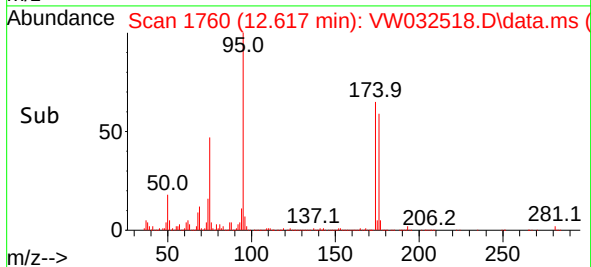
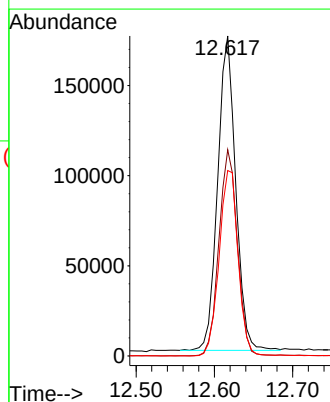
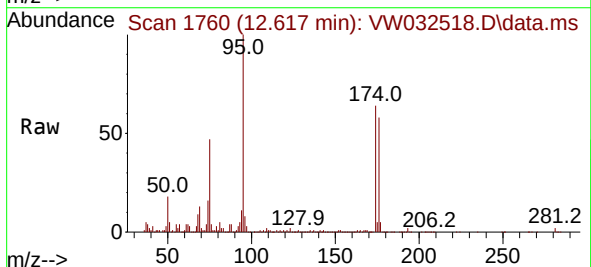
Instrument :
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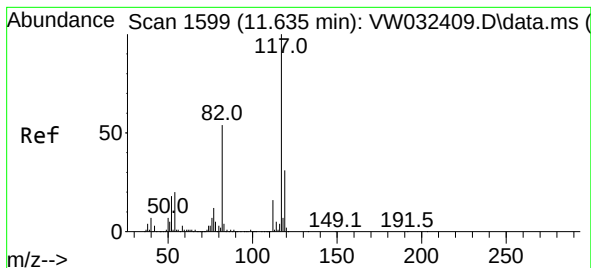
Tgt Ion: 98 Resp: 581112
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 57.004 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion: 95 Resp: 279199
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.4
176 62.4 0.0 131.8

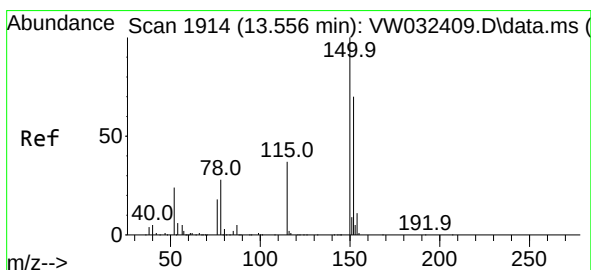
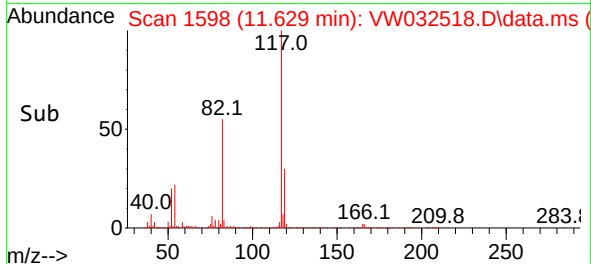
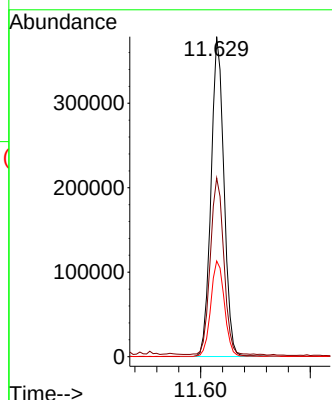
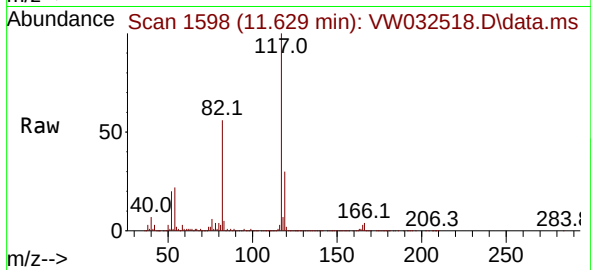




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Instrument :
MSVOA_W
ClientSampleId :
COMPOSITE-STONE

Tgt Ion:117 Resp: 618499
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 29.8 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.550 min Scan# 1913
Delta R.T. -0.006 min
Lab File: VW032518.D
Acq: 20 Nov 2025 12:37

Tgt Ion:152 Resp: 309463
Ion Ratio Lower Upper
152 100
115 64.4 32.8 98.3
150 149.2 0.0 356.6

