

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032473.D
 Acq On : 18 Nov 2025 12:12
 Operator : SY/MD
 Sample : Q3656-01
 Misc : 5.85g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-GRAVEL

Quant Time: Nov 19 00:26:33 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	220334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	521704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	506344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	202274	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169437	59.648	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	119.300%
35) Dibromofluoromethane	7.904	113	156925	50.239	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.480%
50) Toluene-d8	10.325	98	509446	42.514	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	85.020%
62) 4-Bromofluorobenzene	12.617	95	200985	44.400	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	88.800%

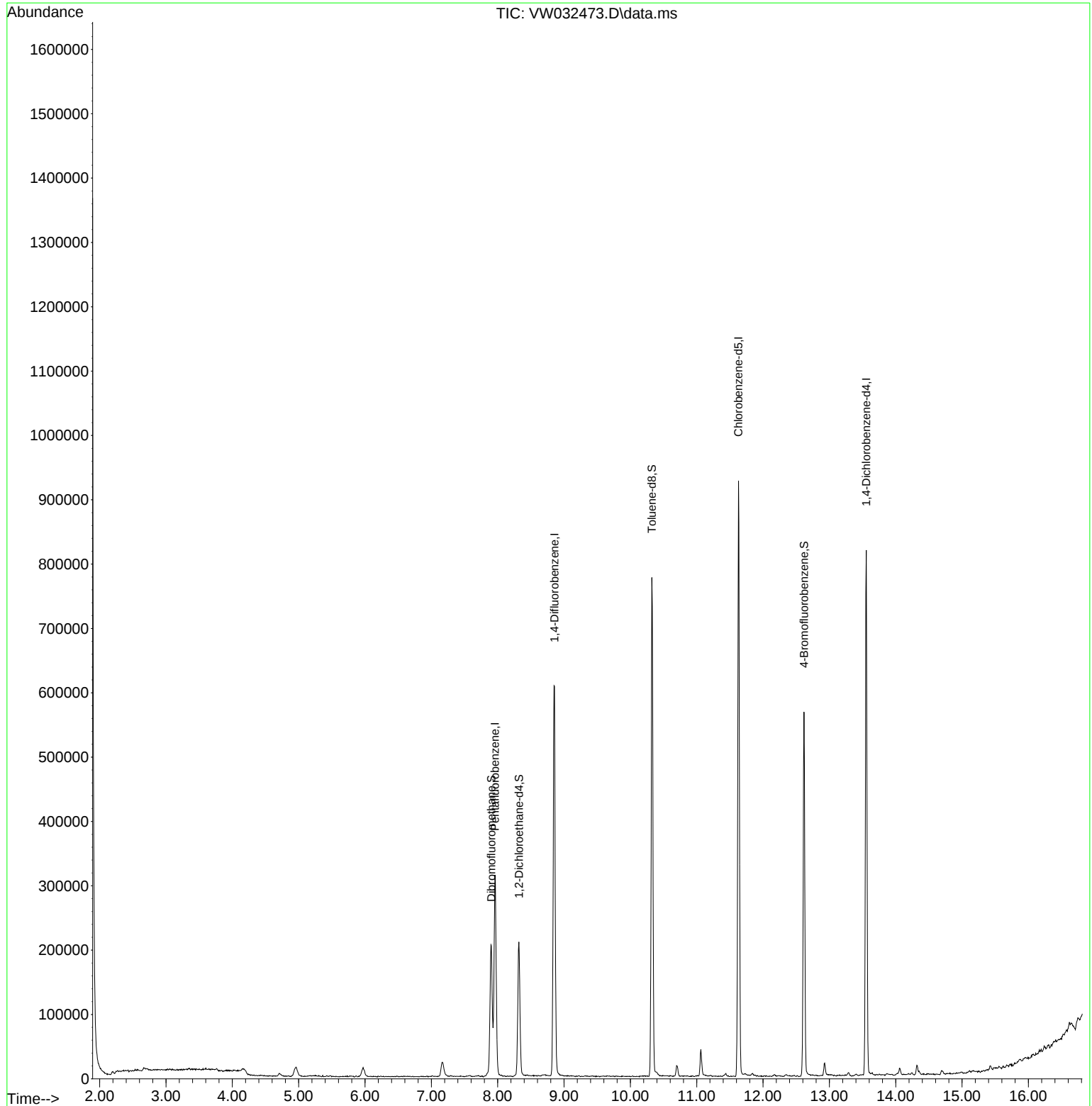
Target Compounds	Qvalue

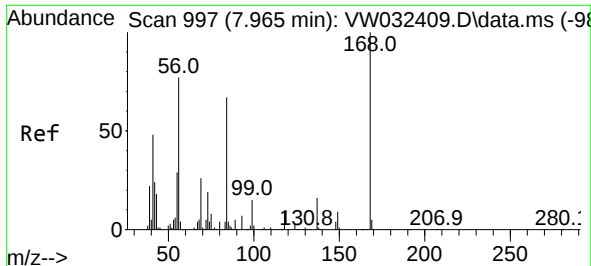
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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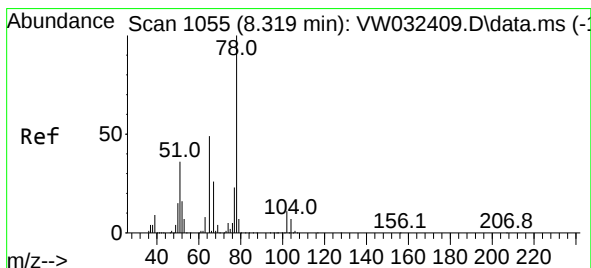
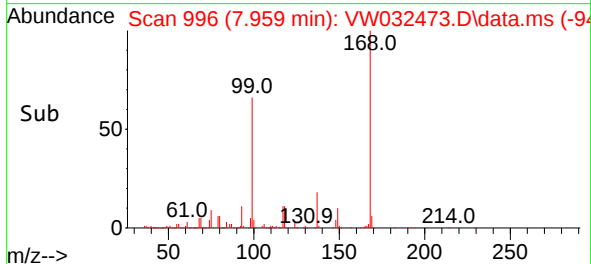
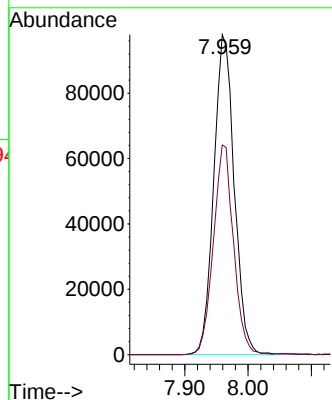
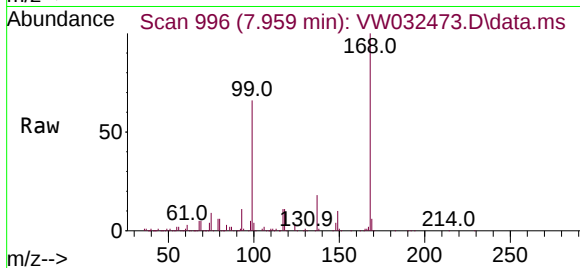




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

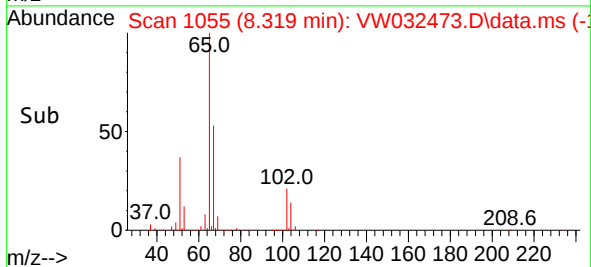
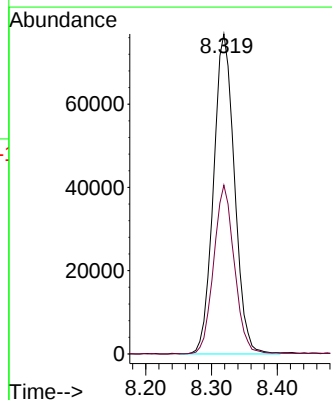
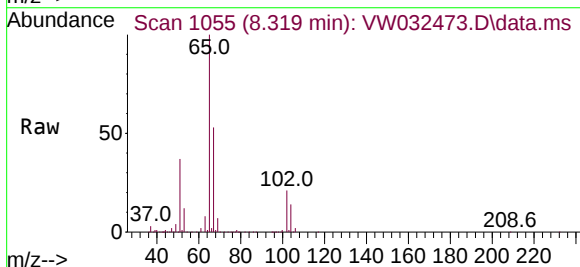
Instrument :
MSVOA_W
ClientSampleId :
T2-GRAVEL

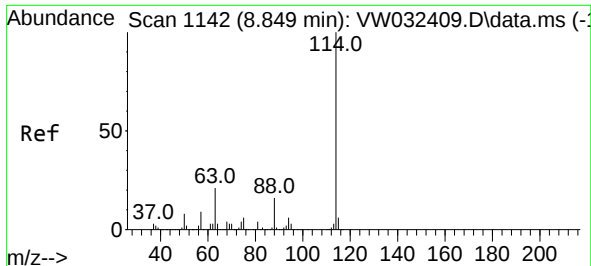
Tgt Ion:168 Resp: 220334
Ion Ratio Lower Upper
168 100
99 65.5 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 59.648 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Tgt Ion: 65 Resp: 169437
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.8

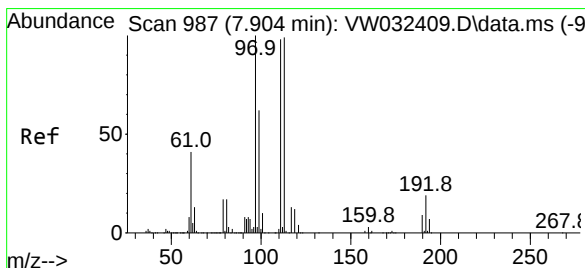
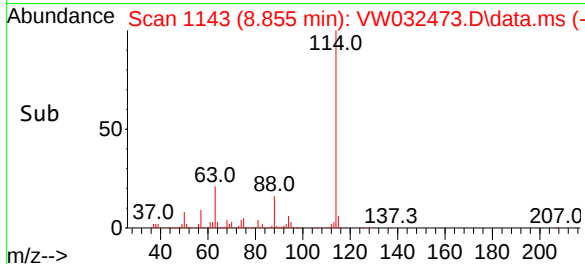
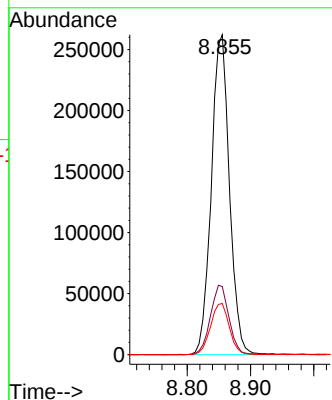
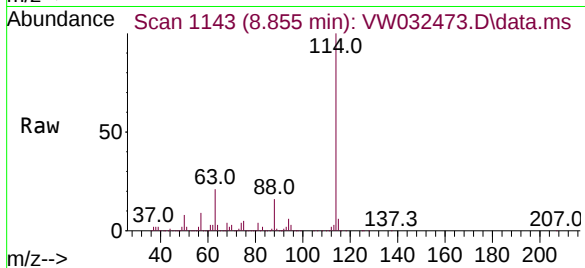




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

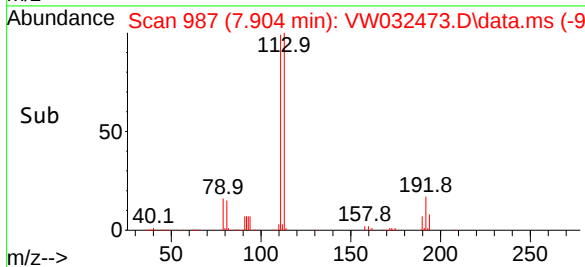
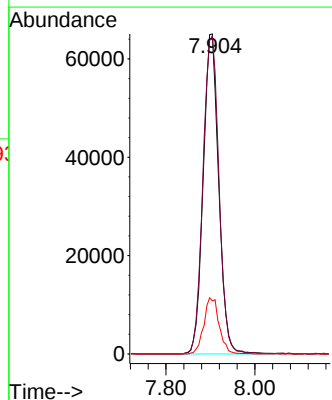
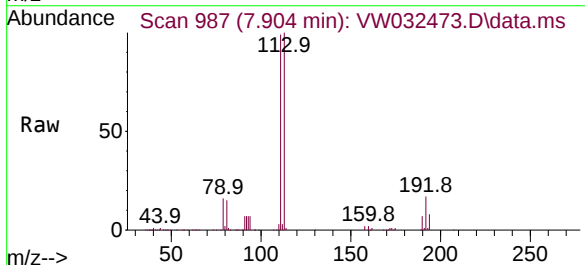
Instrument :
MSVOA_W
ClientSampleId :
T2-GRAVEL

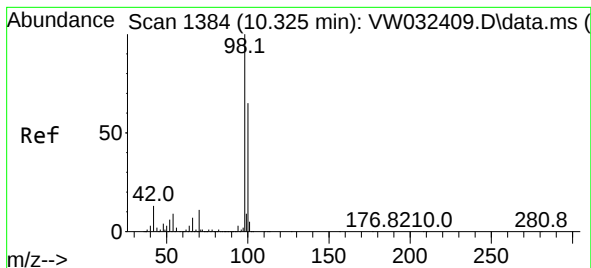
Tgt Ion:114 Resp: 521704
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.8
88 16.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.239 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Tgt Ion:113 Resp: 156925
Ion Ratio Lower Upper
113 100
111 102.7 83.1 124.7
192 17.3 13.4 20.2

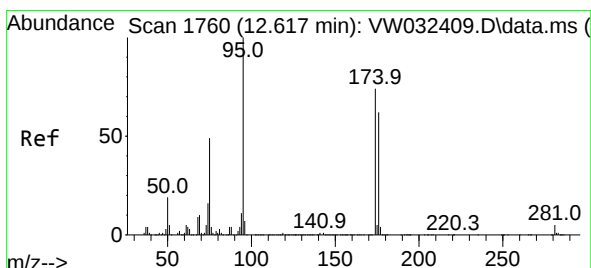
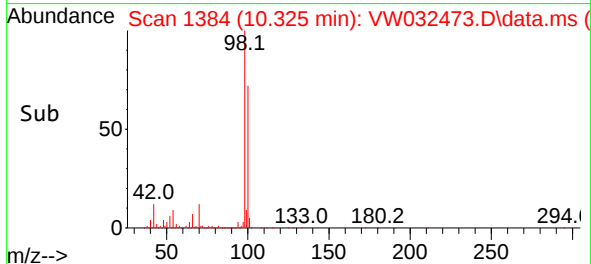
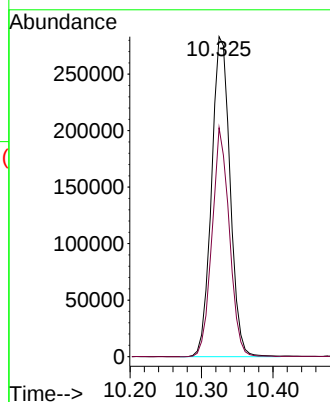
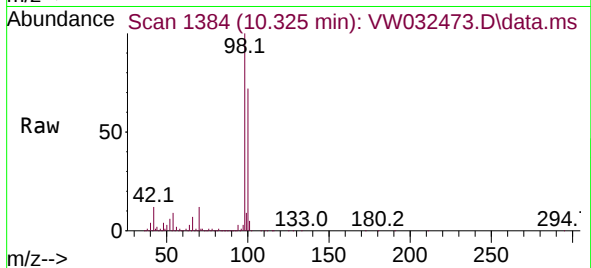




#50
Toluene-d8
Concen: 42.514 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

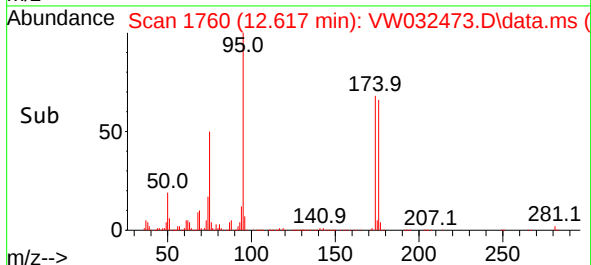
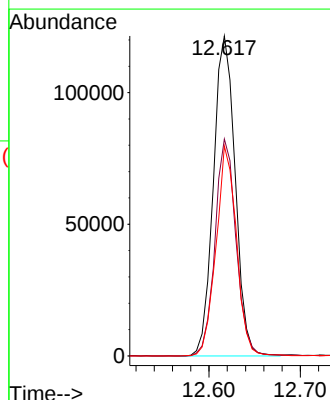
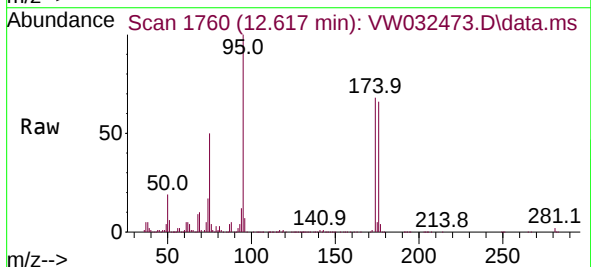
Instrument :
MSVOA_W
ClientSampleId :
T2-GRAVEL

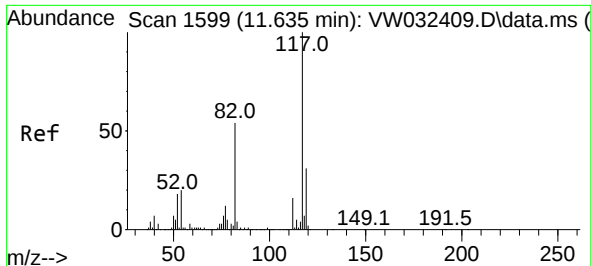
Tgt Ion: 98 Resp: 509446
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.400 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Tgt Ion: 95 Resp: 200985
Ion Ratio Lower Upper
95 100
174 65.7 0.0 135.4
176 61.5 0.0 131.8

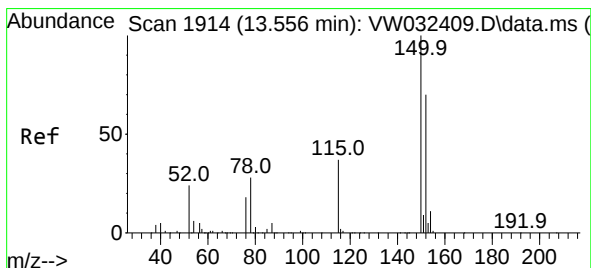
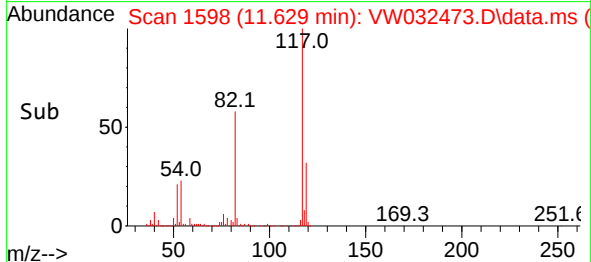
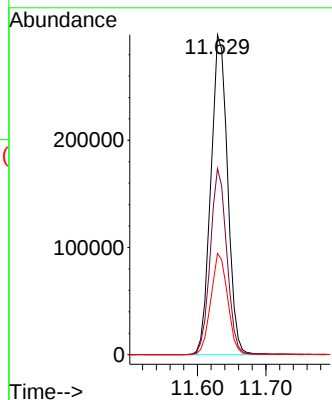
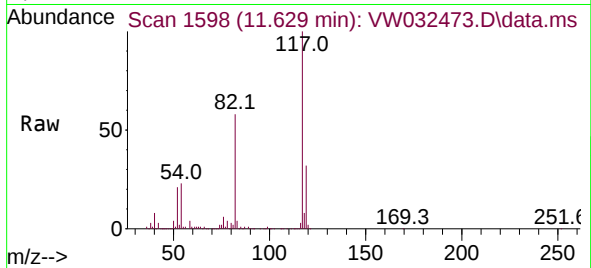




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032473.D
Acq: 18 Nov 2025 12:12

Instrument :
MSVOA_W
ClientSampleId :
T2-GRAVEL

Tgt Ion:117 Resp: 506344
Ion Ratio Lower Upper
117 100
82 58.2 43.0 64.4
119 31.6 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: VW032473.D
Acq: 18 Nov 2025 12:12

Tgt Ion:152 Resp: 202274
Ion Ratio Lower Upper
152 100
115 66.8 32.8 98.3
150 163.8 0.0 356.6

