

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
 Data File : VW032517.D
 Acq On : 20 Nov 2025 12:15
 Operator : SY/MD
 Sample : Q3686-01
 Misc : 5.43g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FAIRLAWN-GRAVEL

Quant Time: Nov 21 01:21:07 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	199182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	461971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	508856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	233600	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	151051	58.822	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.640%
35) Dibromofluoromethane	7.898	113	144295	52.169	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.340%
50) Toluene-d8	10.325	98	471320	44.418	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.840%
62) 4-Bromofluorobenzene	12.617	95	220258	54.949	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	109.900%

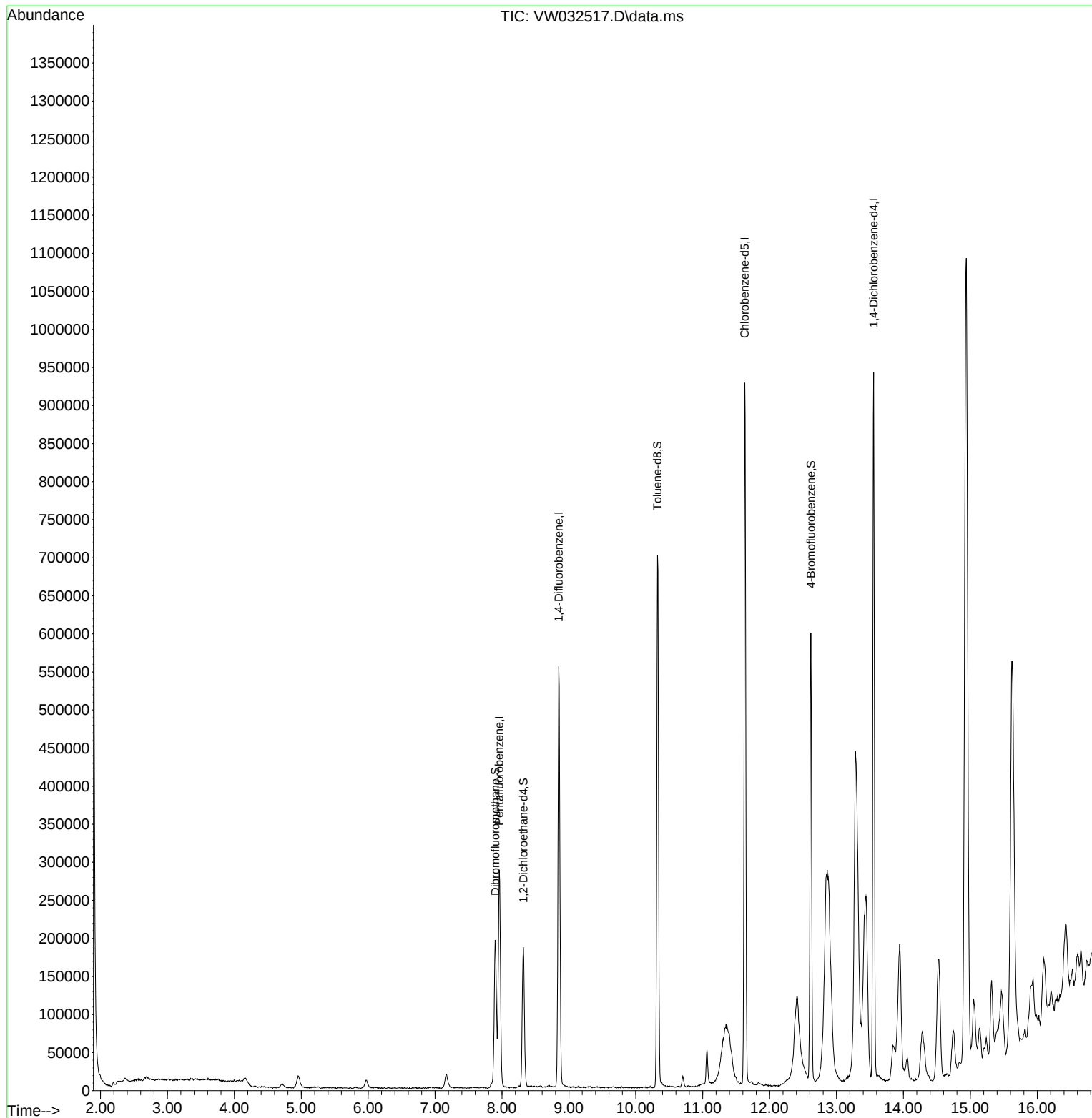
Target Compounds	Qvalue

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

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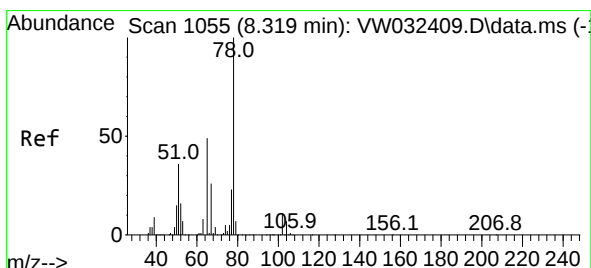
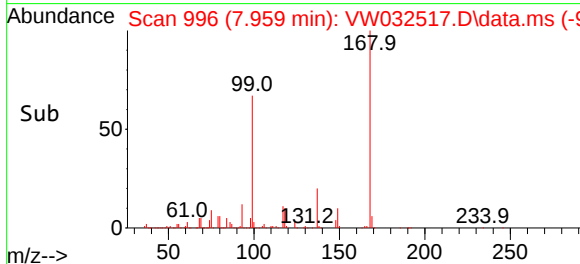
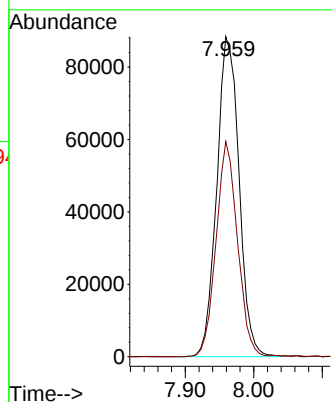
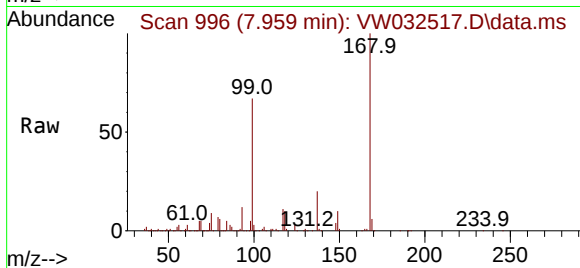




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032517.D
Acq: 20 Nov 2025 12:15

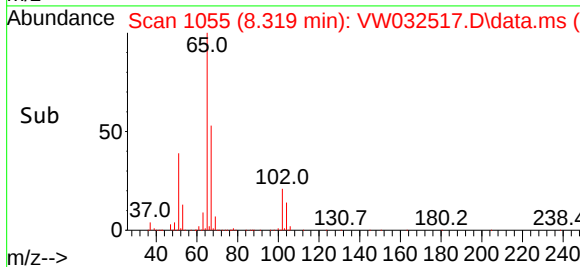
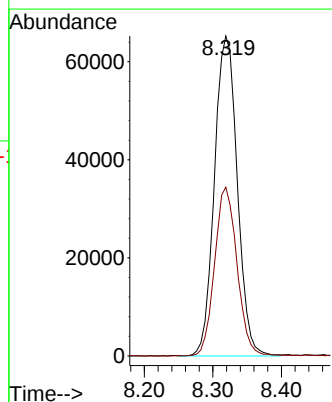
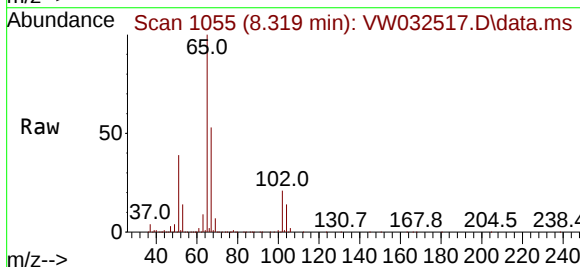
Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

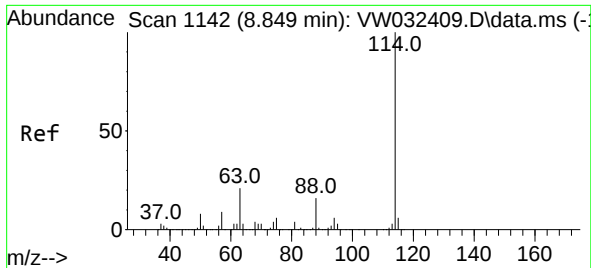
Tgt Ion:168 Resp: 199182
Ion Ratio Lower Upper
168 100
99 67.2 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 58.822 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032517.D
Acq: 20 Nov 2025 12:15

Tgt Ion: 65 Resp: 151051
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.8

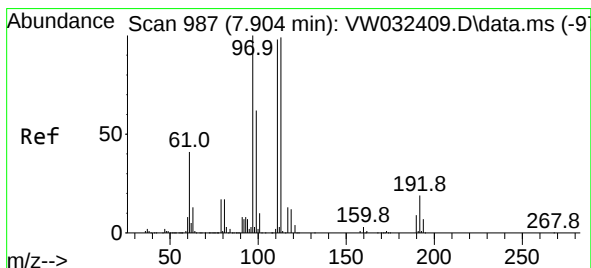
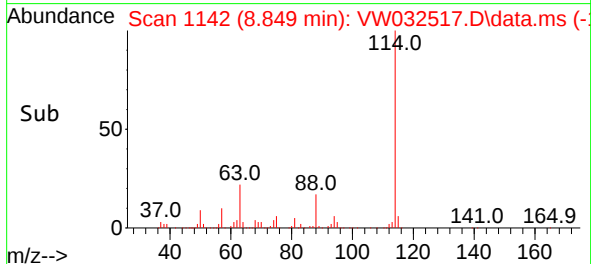
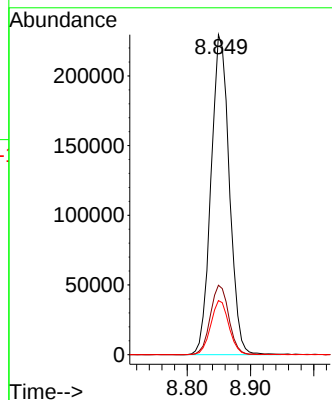
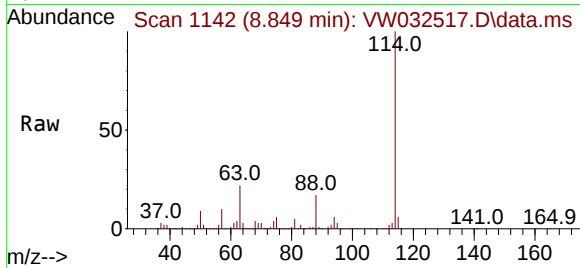




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032517.D
 Acq: 20 Nov 2025 12:15

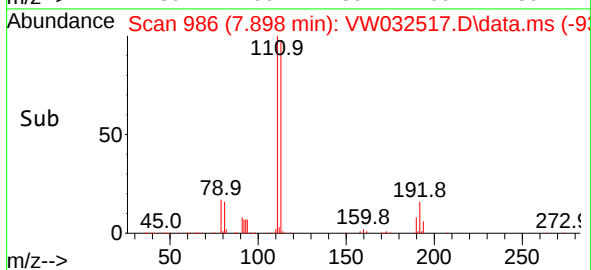
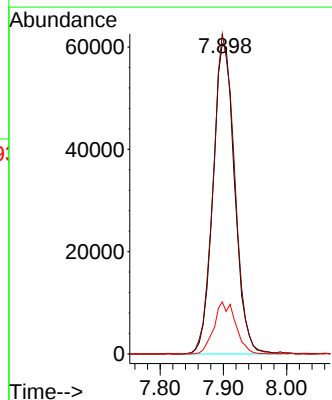
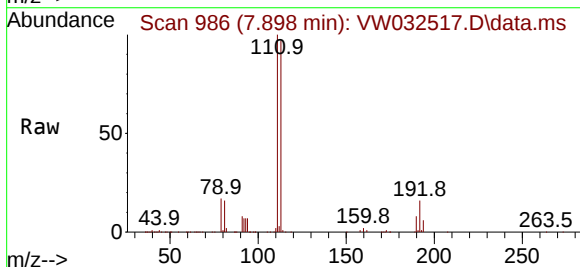
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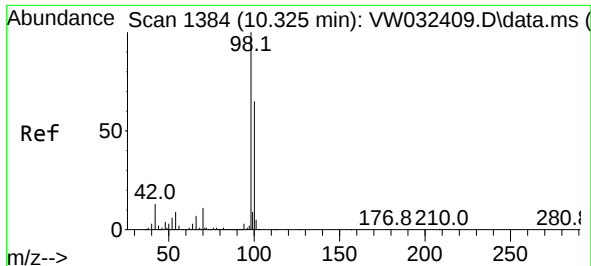
Tgt Ion:	114	Resp:	461971
Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	16.9	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 52.169 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032517.D
 Acq: 20 Nov 2025 12:15

Tgt Ion:	113	Resp:	144295
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.1	124.7
192	16.8	13.4	20.2

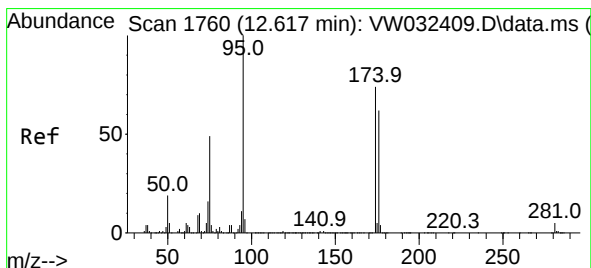
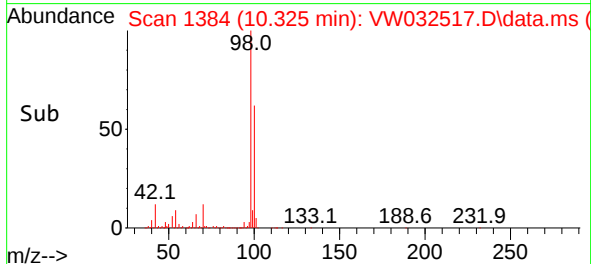
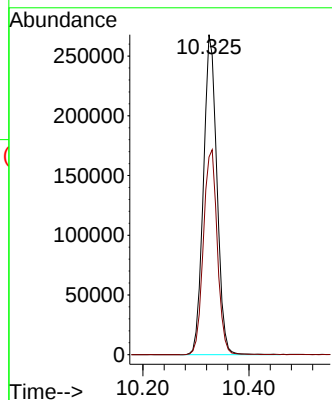
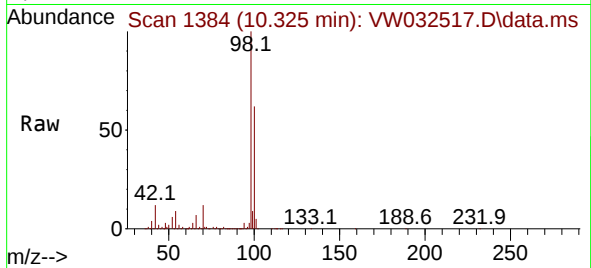




#50
Toluene-d8
Concen: 44.418 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032517.D
Acq: 20 Nov 2025 12:15

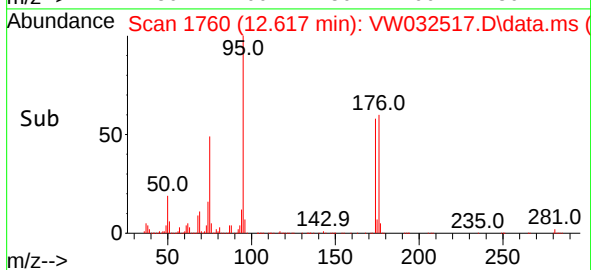
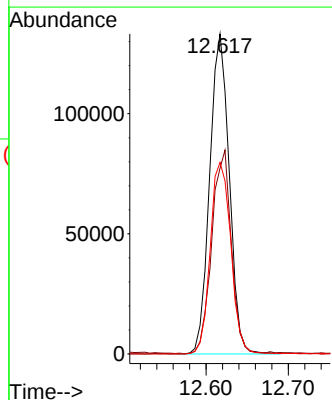
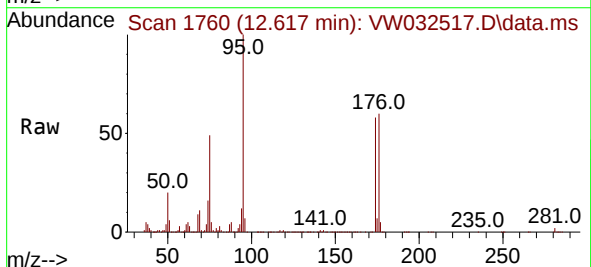
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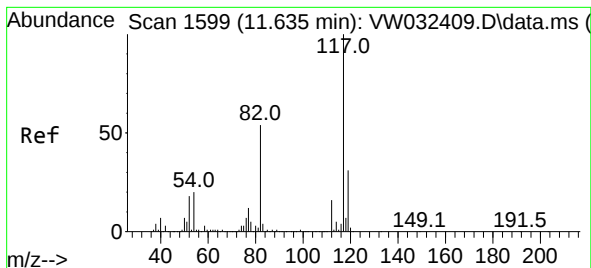
Tgt Ion: 98 Resp: 471320
Ion Ratio Lower Upper
98 100
100 66.0 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 54.949 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032517.D
Acq: 20 Nov 2025 12:15

Tgt Ion: 95 Resp: 220258
Ion Ratio Lower Upper
95 100
174 63.3 0.0 135.4
176 62.8 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: VW032517.D

Acq: 20 Nov 2025 12:15

Instrument :

MSVOA_W

ClientSampleId :

FAIRLAWN-GRAVEL

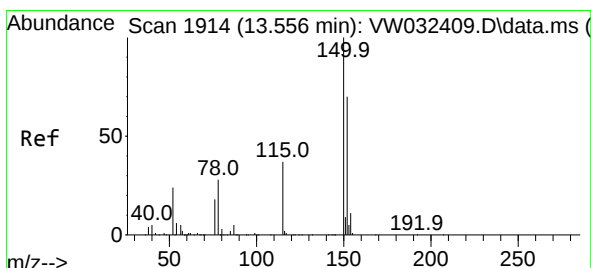
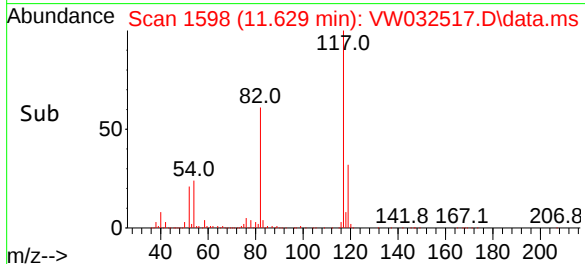
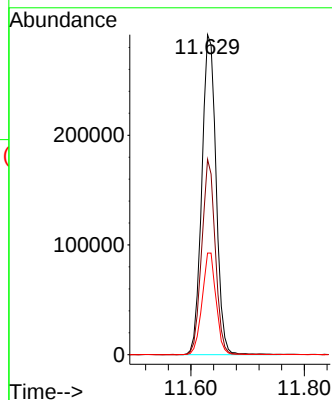
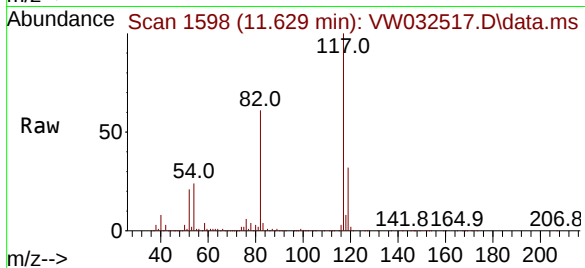
Tgt Ion:117 Resp: 508856

Ion Ratio Lower Upper

117 100

82 61.0 43.0 64.4

119 31.7 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: VW032517.D

Acq: 20 Nov 2025 12:15

Tgt Ion:152 Resp: 233600

Ion Ratio Lower Upper

152 100

115 66.1 32.8 98.3

150 161.0 0.0 356.6

