

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092225\
 Data File : VW032227.D
 Acq On : 22 Sep 2025 12:11
 Operator : SY/MD
 Sample : Q3150-02RE
 Misc : 4.14g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MER Rd Con EdRE

Quant Time: Sep 23 06:26:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	7560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	13104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	12413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	4044	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	6868	63.523	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	127.040%
35) Dibromofluoromethane	7.892	113	5036	54.777	ug/l	-0.01
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.560%
50) Toluene-d8	10.325	98	13265	41.101	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	82.200%
62) 4-Bromofluorobenzene	12.617	95	3574	29.947	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	59.900%

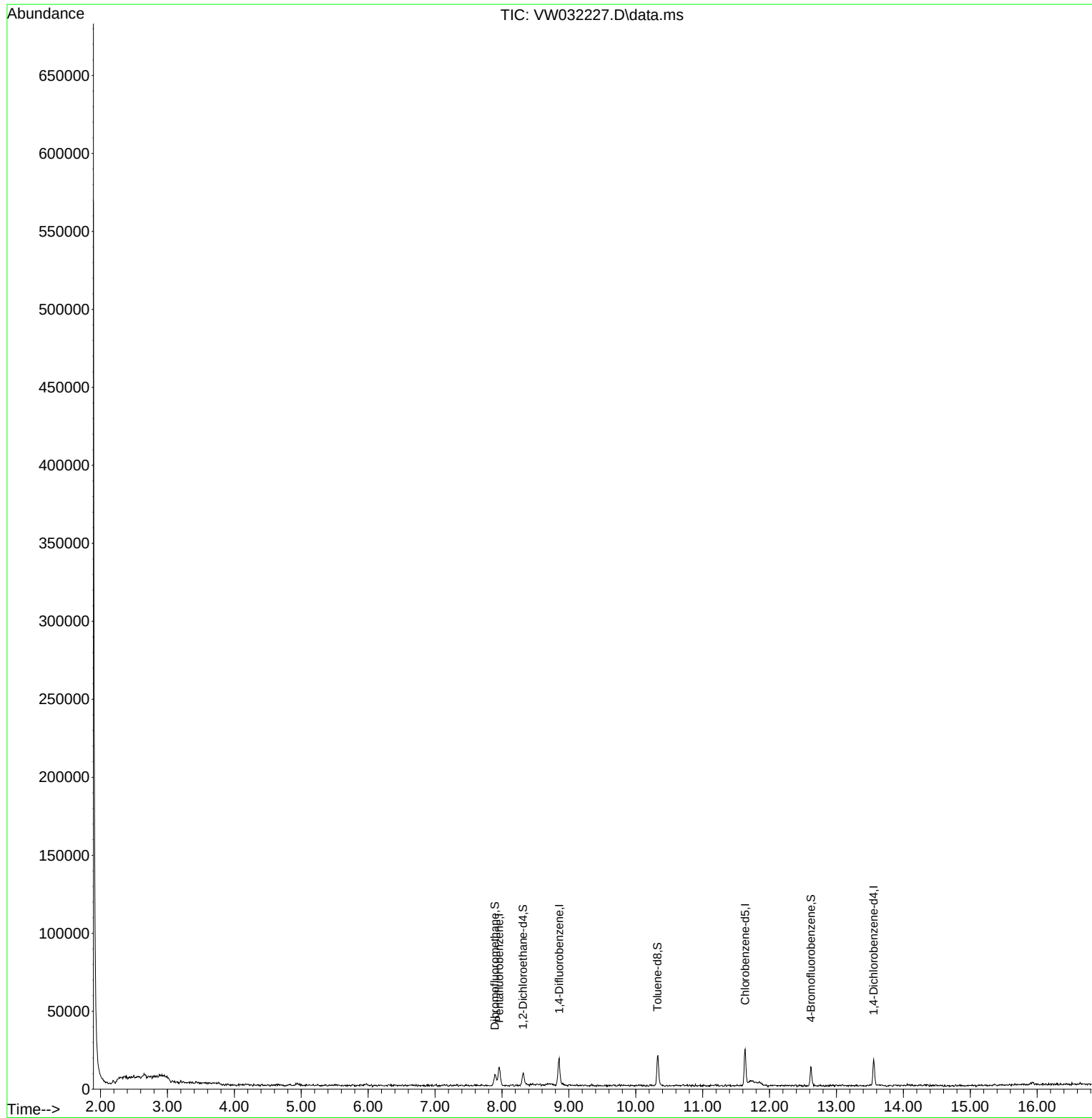
Target Compounds	Qvalue

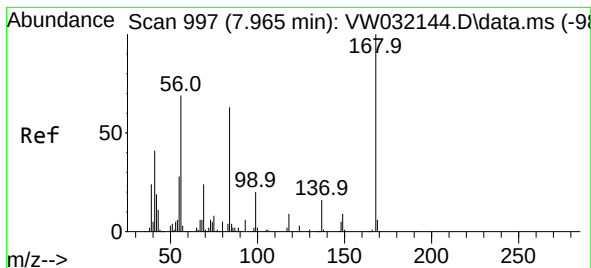
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW032227.D

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Instrument :

MSVOA_W

ClientSampleId :

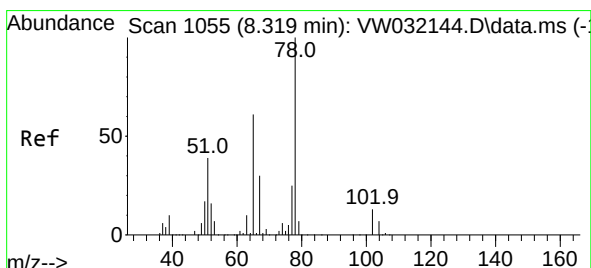
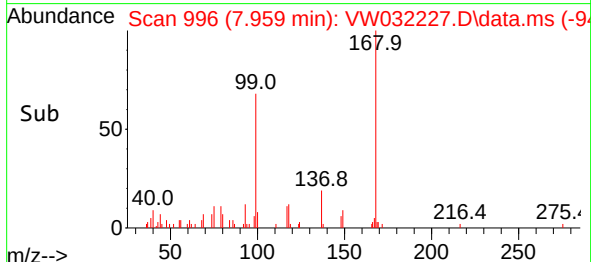
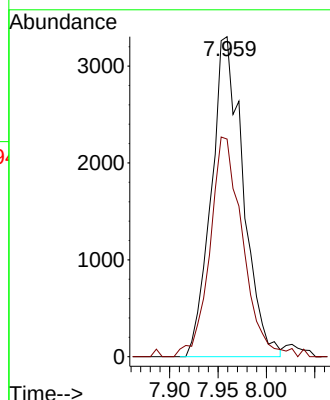
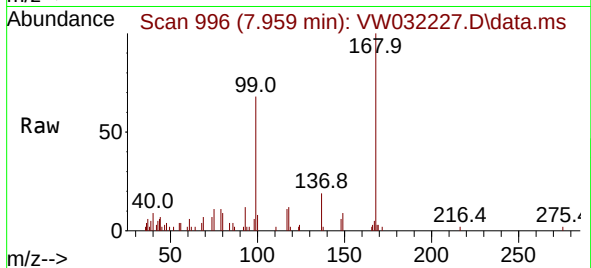
MER Rd Con EdRE

Tgt Ion:168 Resp: 7560

Ion Ratio Lower Upper

168 100

99 65.8 49.3 73.9



#33

1,2-Dichloroethane-d4

Concen: 63.523 ug/l

RT: 8.313 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VW032227.D

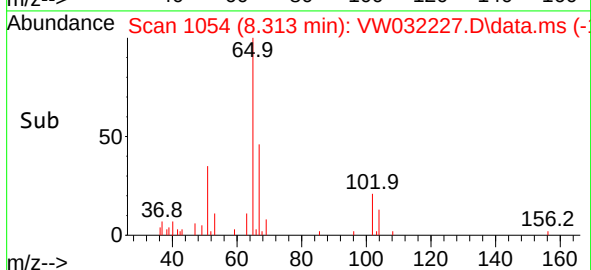
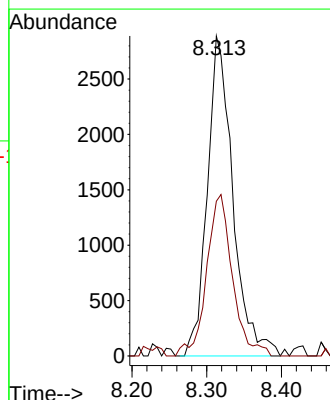
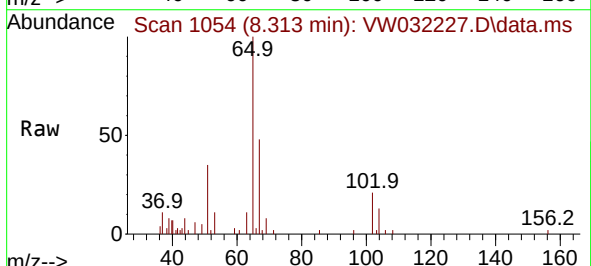
Acq: 22 Sep 2025 12:11

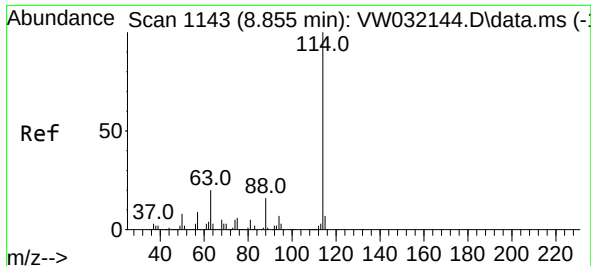
Tgt Ion: 65 Resp: 6868

Ion Ratio Lower Upper

65 100

67 51.0 0.0 99.6

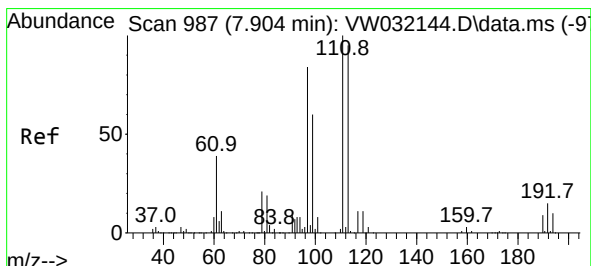
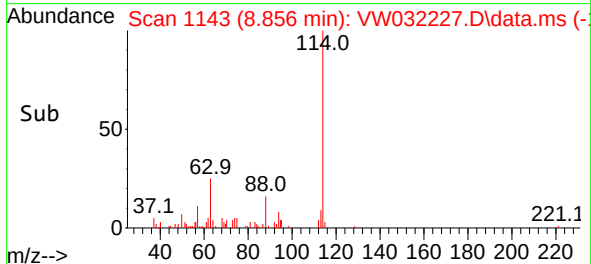
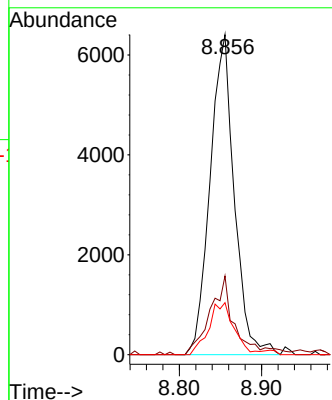
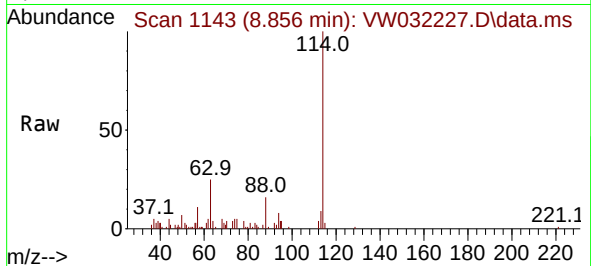




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032227.D
Acq: 22 Sep 2025 12:11

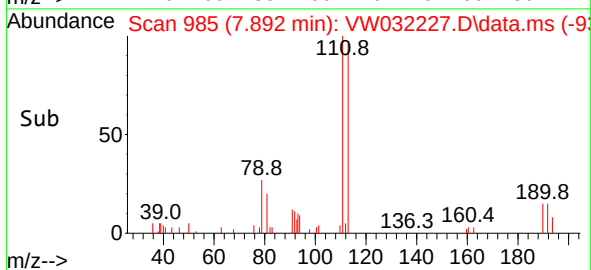
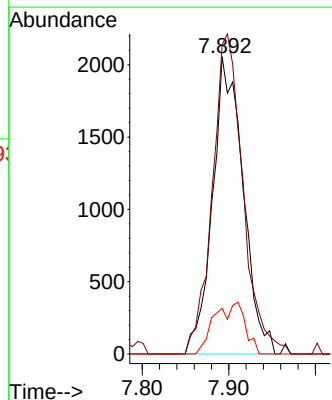
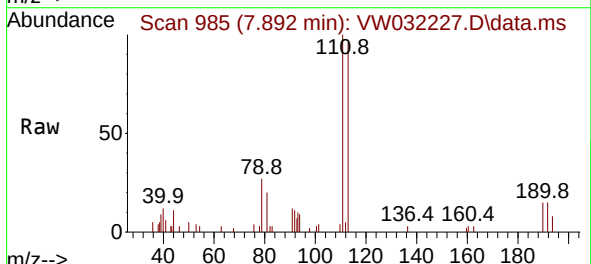
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MSVOA_W
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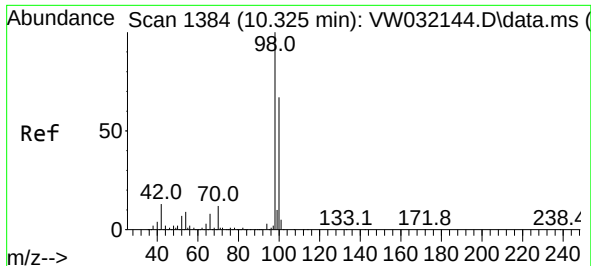
Tgt Ion:114	Resp:	13104
Ion Ratio	Lower	Upper
114	100	
63	24.6	0.0 40.4
88	16.3	0.0 32.0



#35
Dibromofluoromethane
Concen: 54.777 ug/l
RT: 7.892 min Scan# 985
Delta R.T. -0.012 min
Lab File: VW032227.D
Acq: 22 Sep 2025 12:11

Tgt Ion:113	Resp:	5036
Ion Ratio	Lower	Upper
113	100	
111	107.7	83.9 125.9
192	17.5	14.6 21.8

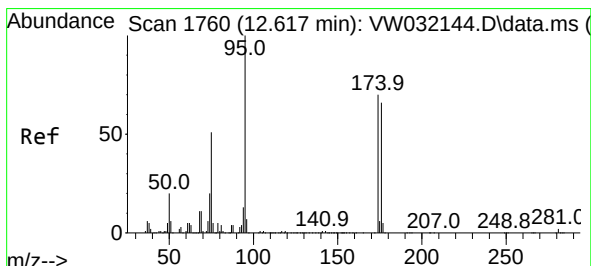
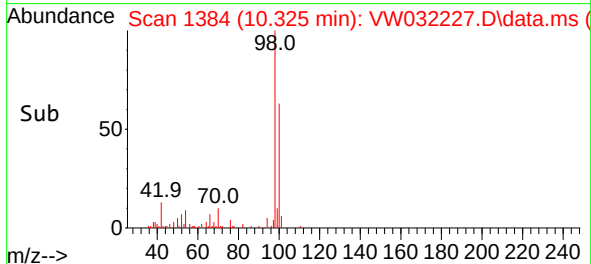
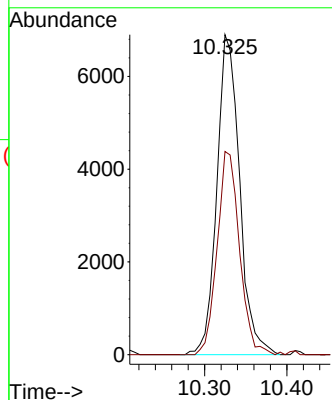
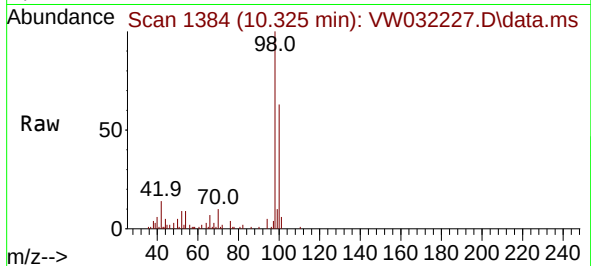




#50
Toluene-d8
Concen: 41.101 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032227.D
Acq: 22 Sep 2025 12:11

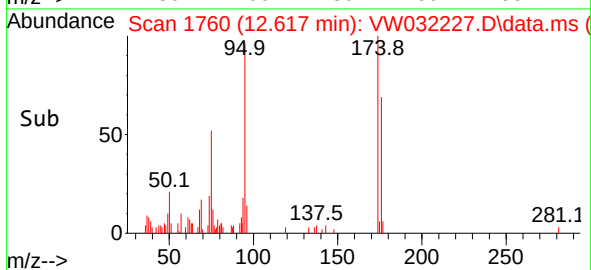
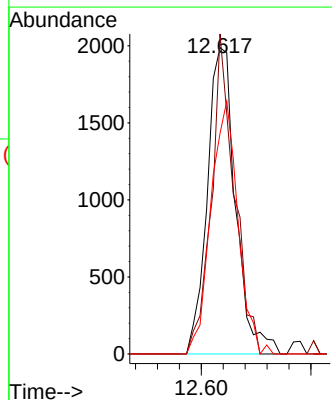
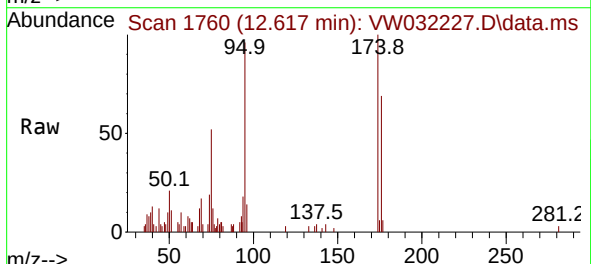
Instrument :
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ClientSampleId :
MER Rd Con EdRE

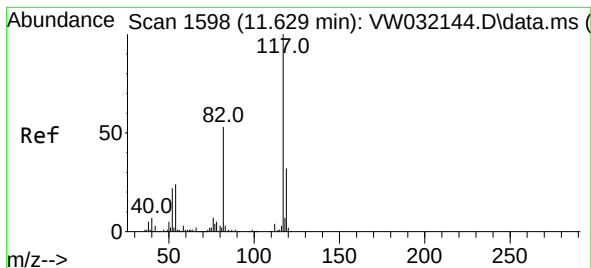
Tgt Ion: 98 Resp: 13265
Ion Ratio Lower Upper
98 100
100 62.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 29.947 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032227.D
Acq: 22 Sep 2025 12:11

Tgt Ion: 95 Resp: 3574
Ion Ratio Lower Upper
95 100
174 84.1 0.0 145.6
176 78.9 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032227.D

Acq: 22 Sep 2025 12:11

Instrument :

MSVOA_W

ClientSampleId :

MER Rd Con EdRE

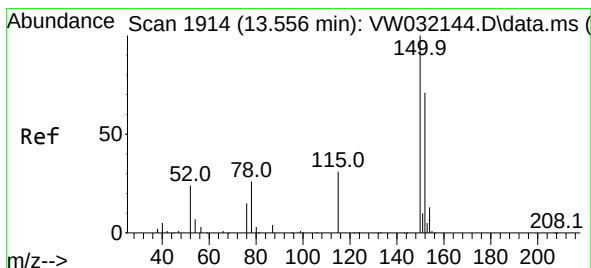
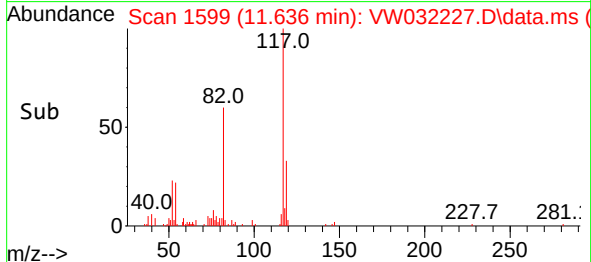
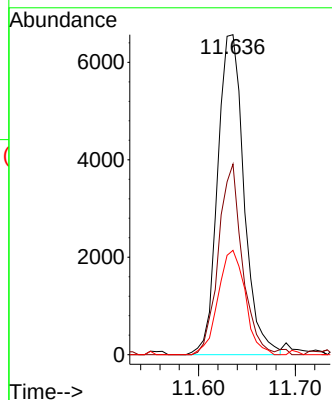
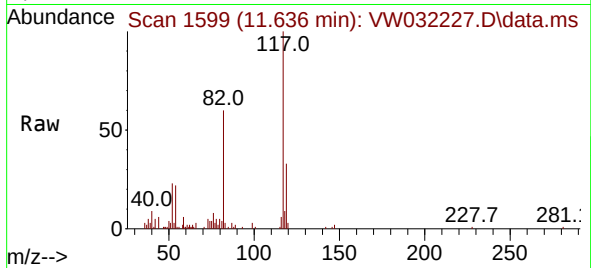
Tgt Ion:117 Resp: 12413

Ion Ratio Lower Upper

117 100

82 59.6 42.7 64.1

119 32.6 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032227.D

Acq: 22 Sep 2025 12:11

Tgt Ion:152 Resp: 4044

Ion Ratio Lower Upper

152 100

115 68.3 31.8 95.4

150 167.9 0.0 343.0

