

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032156.D
 Acq On : 28 Aug 2025 13:42
 Operator : SY/MD
 Sample : Q2971-13
 Misc : 5.32g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP5

Quant Time: Aug 29 01:18:48 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	7.965	168	161838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	325264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	323816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	156418	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	124565	53.819	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	107.640%
35) Dibromofluoromethane	7.898	113	110974	48.630	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.260%
50) Toluene-d8	10.325	98	383853	47.915	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.840%
62) 4-Bromofluorobenzene	12.617	95	141396	47.731	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.460%

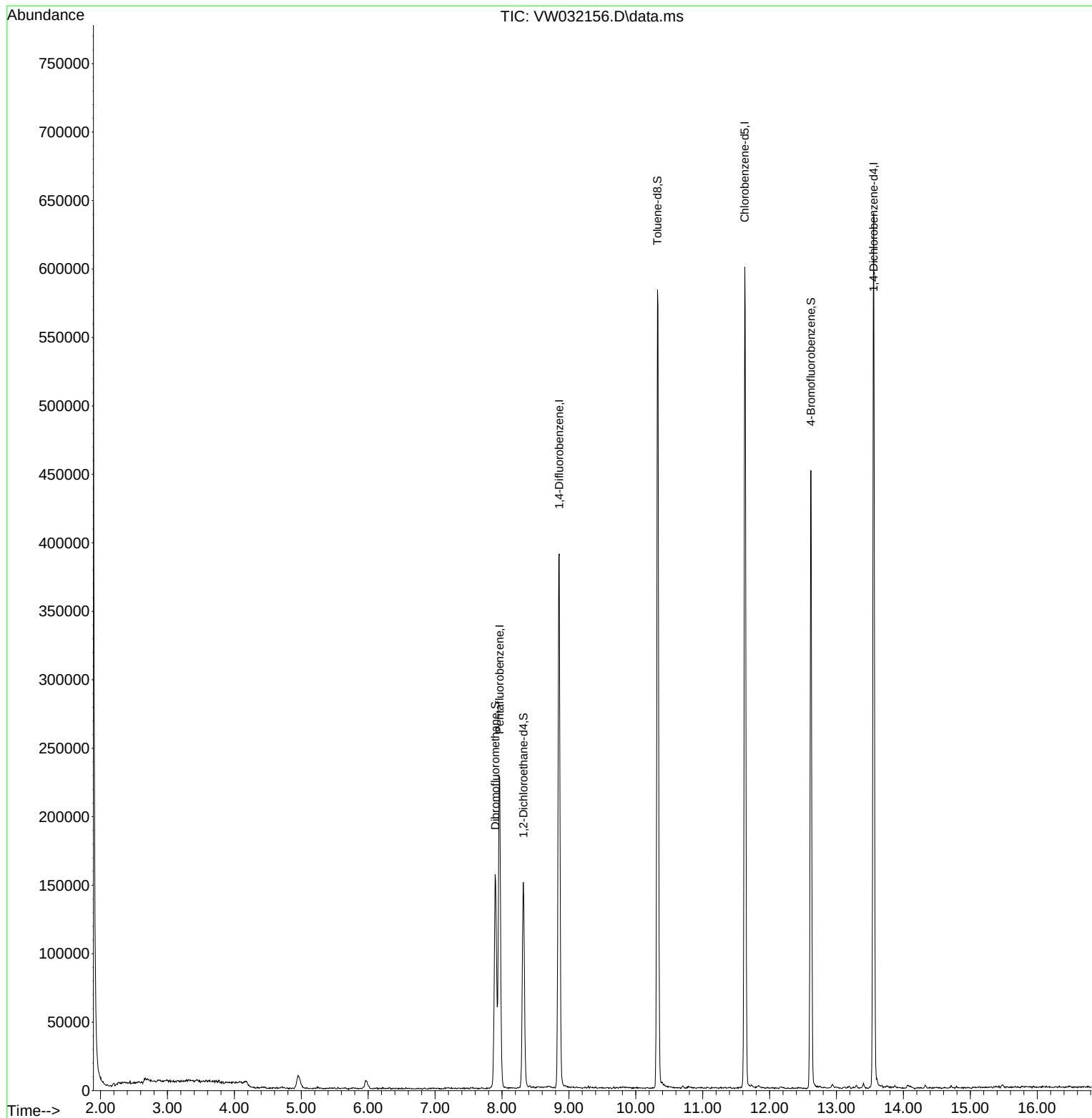
Target Compounds	Qvalue

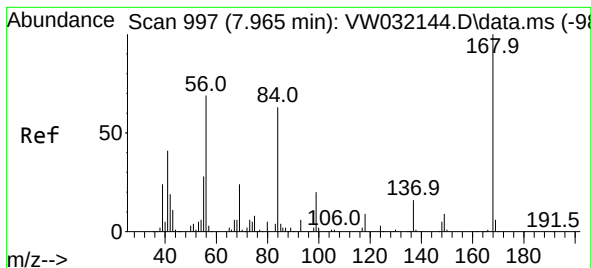
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 997

Delta R.T. 0.000 min

Lab File: VW032156.D

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Instrument :

MSVOA_W

ClientSampleId :

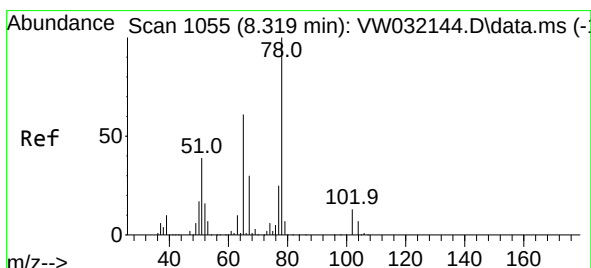
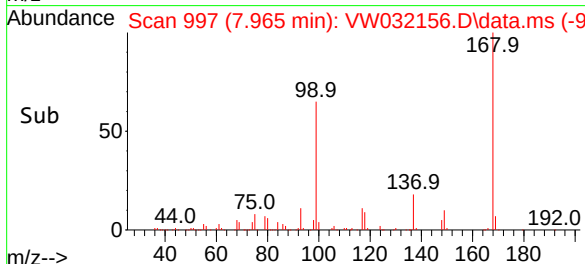
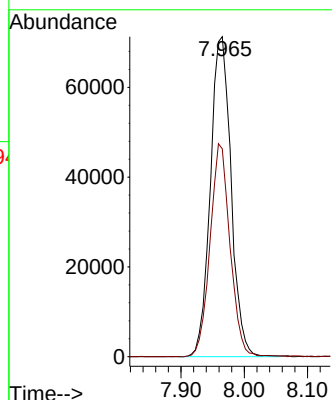
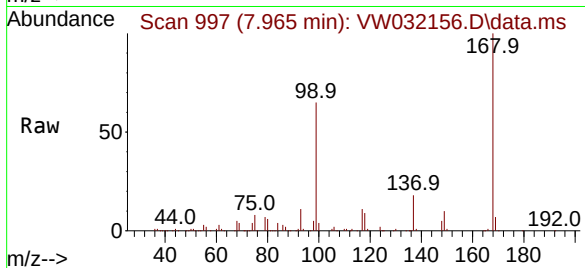
TP5

Tgt Ion:168 Resp: 161838

Ion Ratio Lower Upper

168 100

99 64.9 49.3 73.9



#33

1,2-Dichloroethane-d4

Concen: 53.819 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032156.D

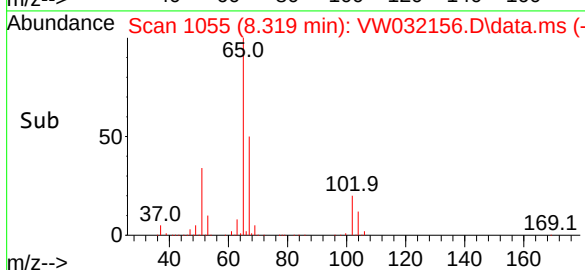
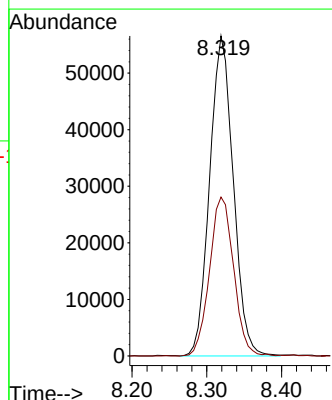
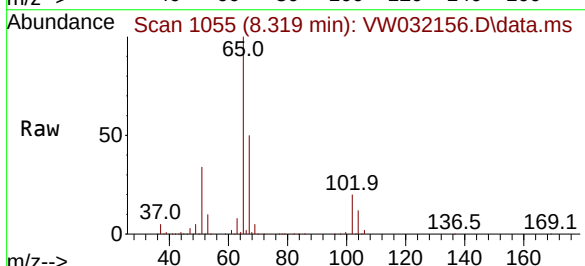
Acq: 28 Aug 2025 13:42

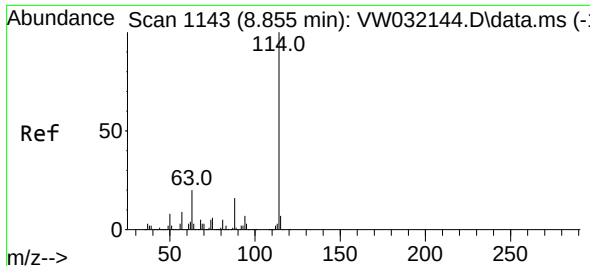
Tgt Ion: 65 Resp: 124565

Ion Ratio Lower Upper

65 100

67 50.6 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032156.D

Acq: 28 Aug 2025 13:42

Instrument :

MSVOA_W

ClientSampleId :

TP5

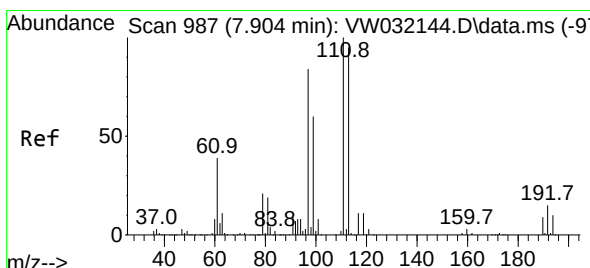
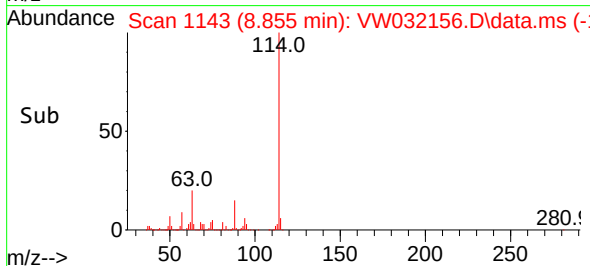
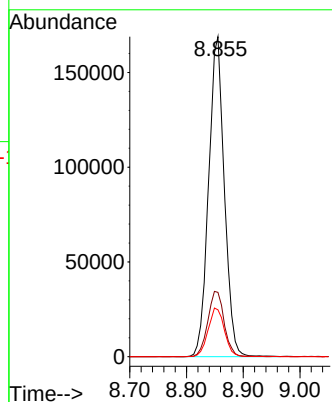
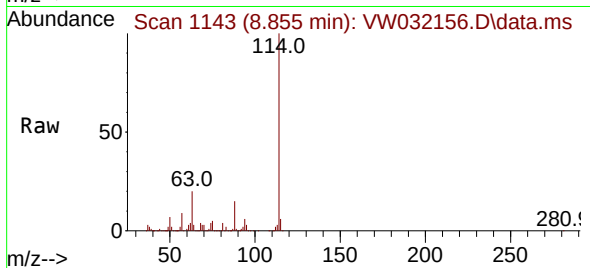
Tgt Ion:114 Resp: 325264

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.4

88 14.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 48.630 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032156.D

Acq: 28 Aug 2025 13:42

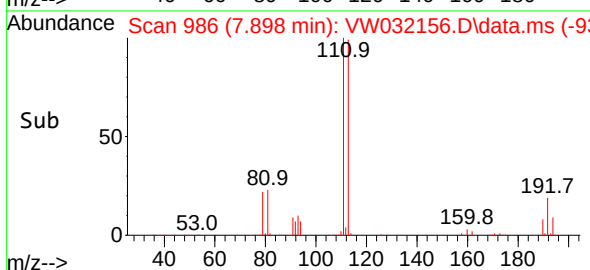
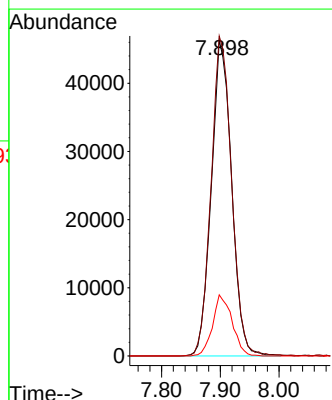
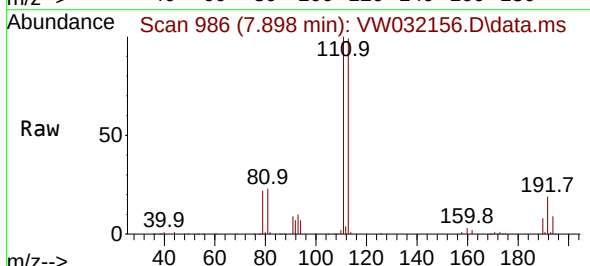
Tgt Ion:113 Resp: 110974

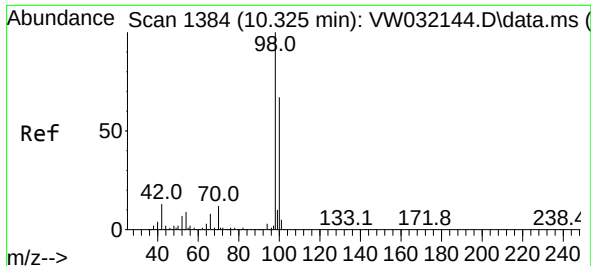
Ion Ratio Lower Upper

113 100

111 102.6 83.9 125.9

192 18.6 14.6 21.8

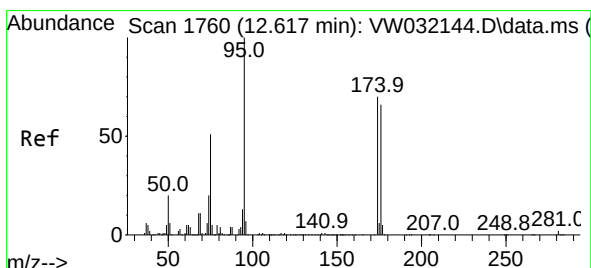
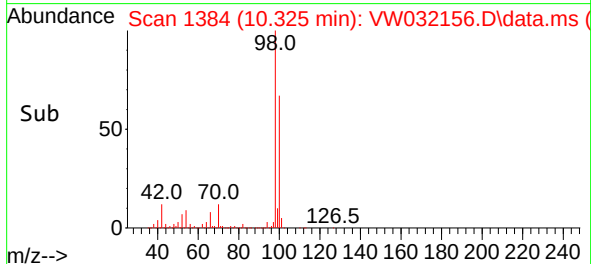
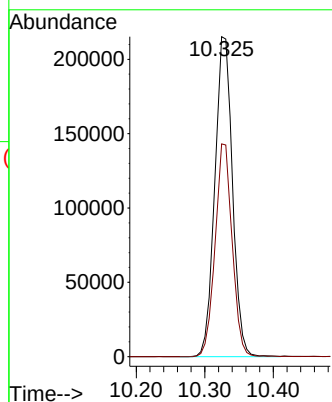
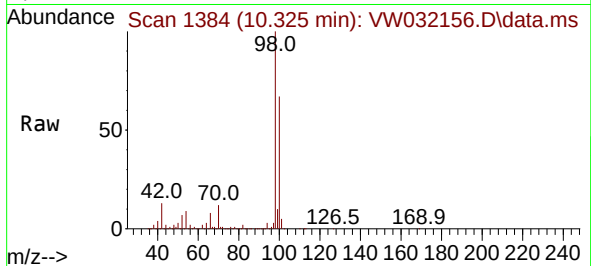




#50
Toluene-d8
Concen: 47.915 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032156.D
Acq: 28 Aug 2025 13:42

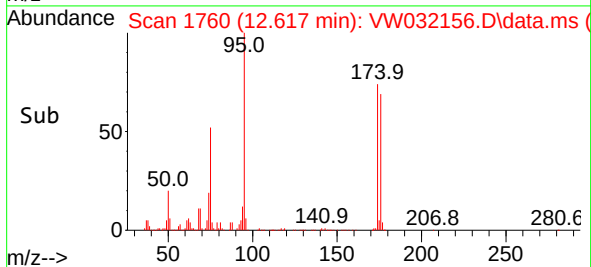
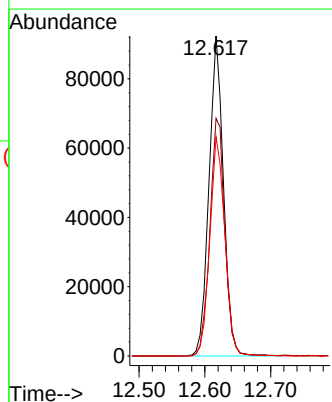
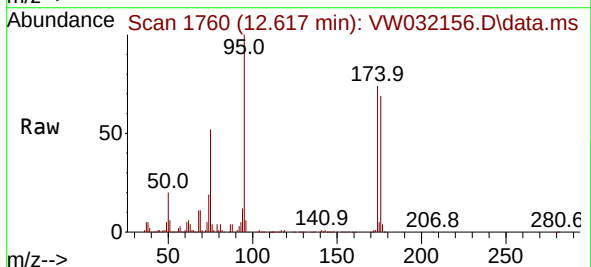
Instrument :
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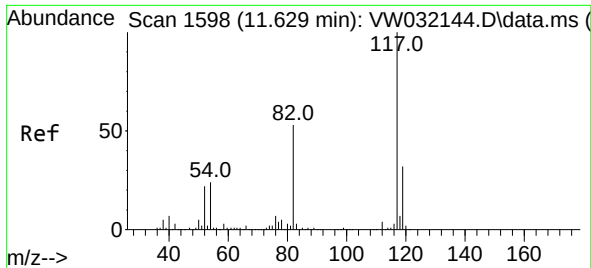
Tgt Ion: 98 Resp: 383853
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 47.731 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032156.D
Acq: 28 Aug 2025 13:42

Tgt Ion: 95 Resp: 141396
Ion Ratio Lower Upper
95 100
174 77.1 0.0 145.6
176 71.3 0.0 140.8

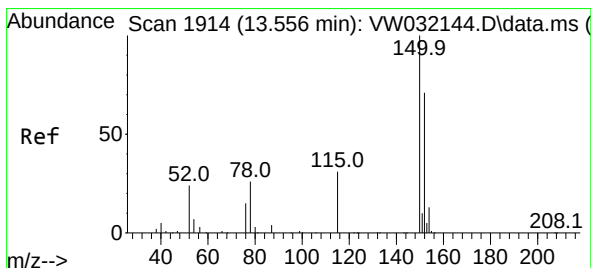
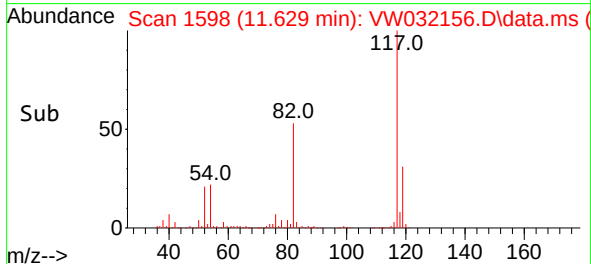
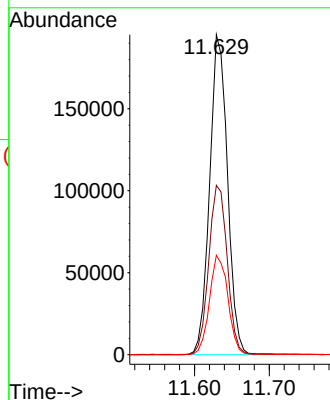
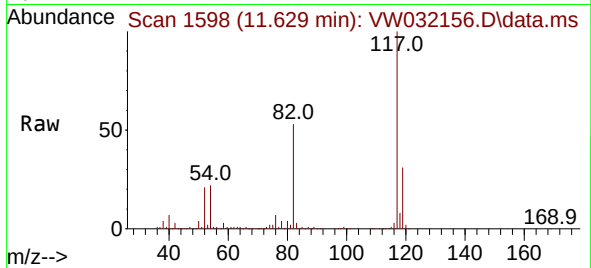




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032156.D
Acq: 28 Aug 2025 13:42

Instrument :
MSVOA_W
ClientSampleId :
TP5

Tgt Ion:117 Resp: 323816
Ion Ratio Lower Upper
117 100
82 52.9 42.7 64.1
119 31.0 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: VW032156.D
Acq: 28 Aug 2025 13:42

Tgt Ion:152 Resp: 156418
Ion Ratio Lower Upper
152 100
115 63.7 31.8 95.4
150 162.6 0.0 343.0

