

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032122.D
 Acq On : 22 Aug 2025 19:24
 Operator : SY/MD
 Sample : Q2949-01
 Misc : 5.50g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 367

Quant Time: Aug 25 04:02:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	184727	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	361968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	365942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	187573	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130947	49.013	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.020%
35) Dibromofluoromethane	7.898	113	119021	50.897	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.800%
50) Toluene-d8	10.325	98	421063	48.682	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.360%
62) 4-Bromofluorobenzene	12.617	95	174736	54.821	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	109.640%

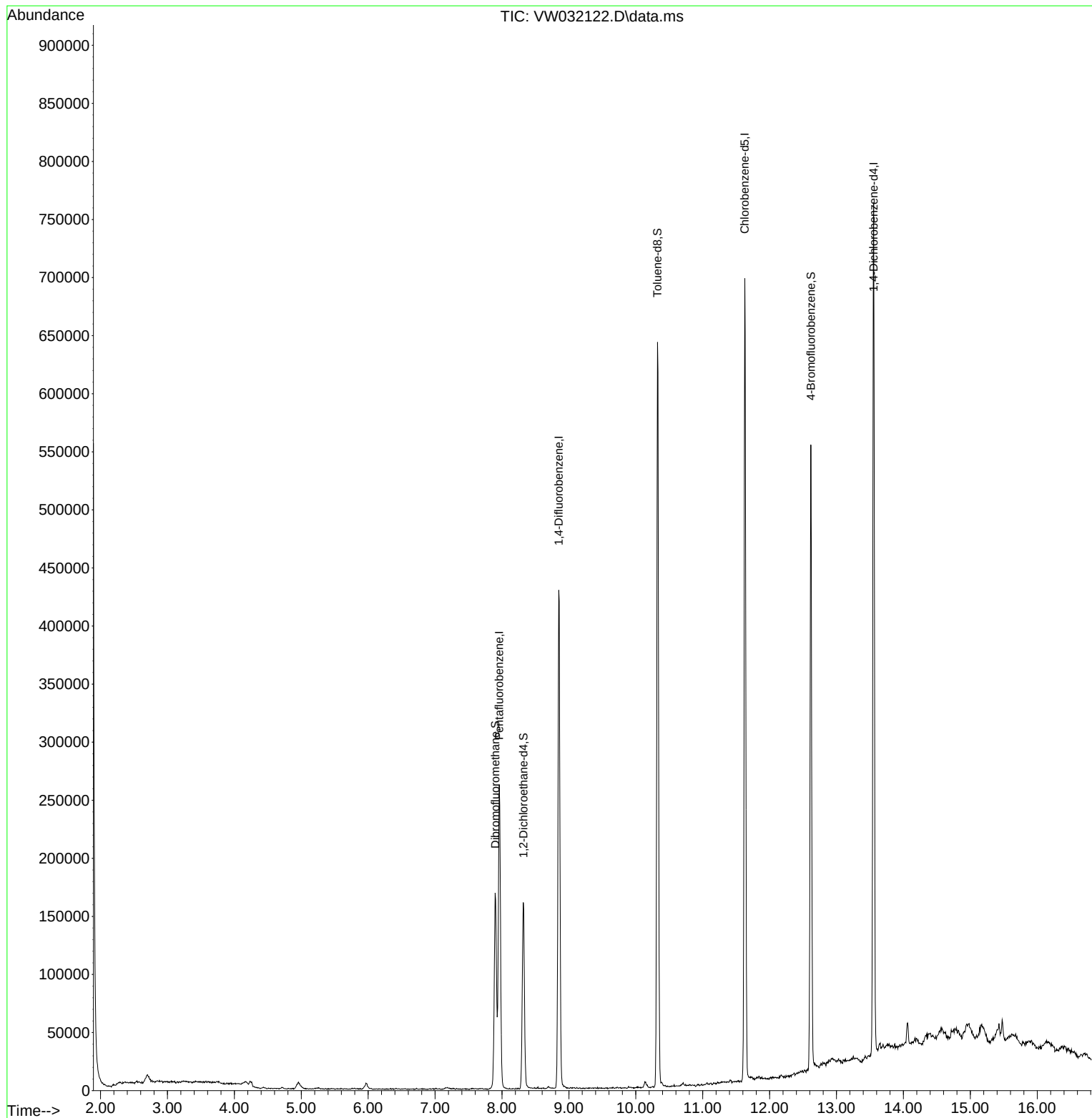
Target Compounds	Qvalue

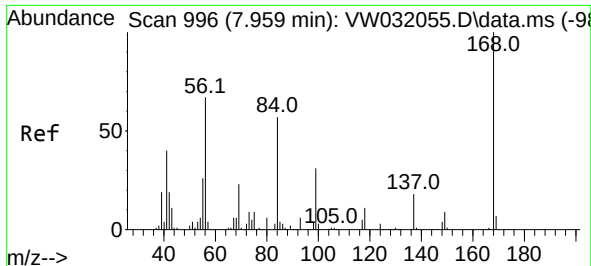
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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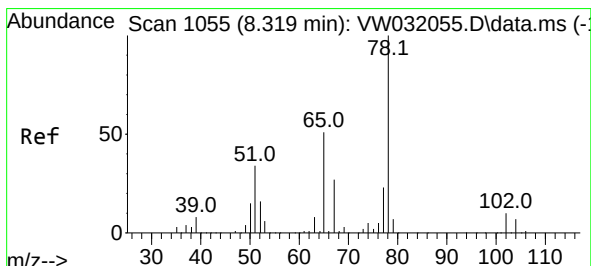
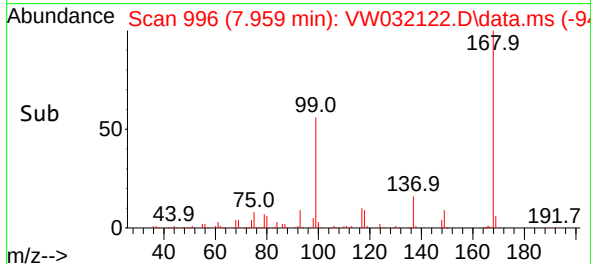
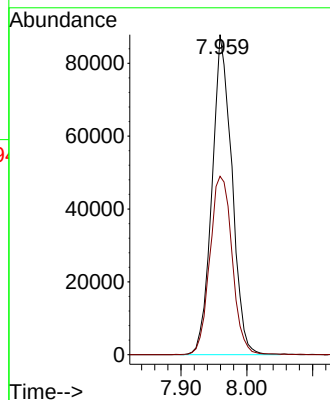
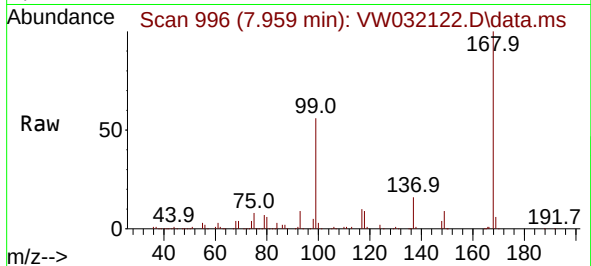




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

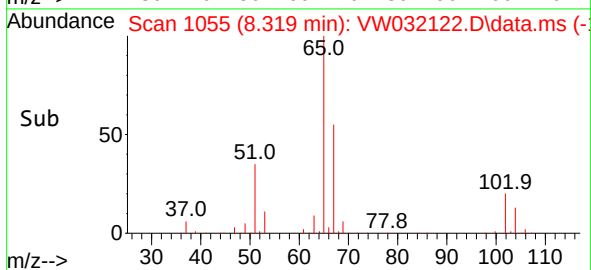
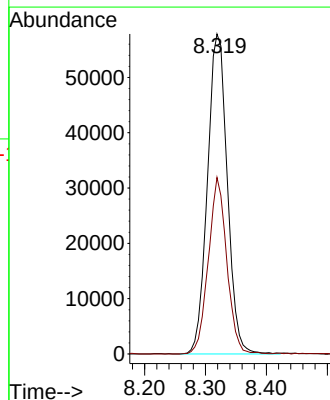
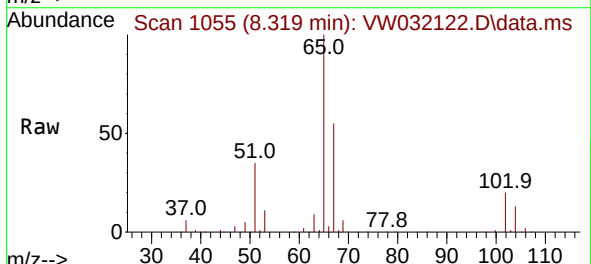
Instrument :
MSVOA_W
ClientSampleId :
367

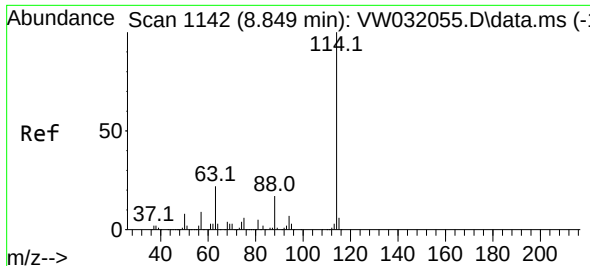
Tgt Ion:168 Resp: 184727
Ion Ratio Lower Upper
168 100
99 55.7 56.0 84.0#



#33
1,2-Dichloroethane-d4
Concen: 49.013 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Tgt Ion: 65 Resp: 130947
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.4

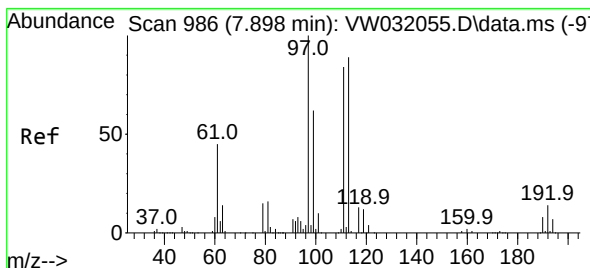
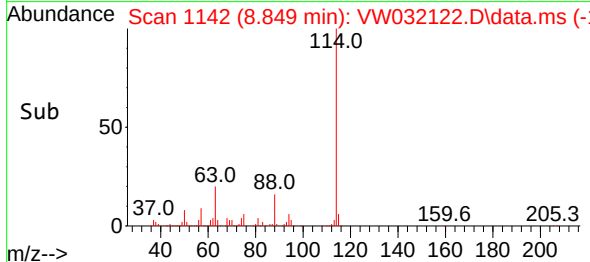
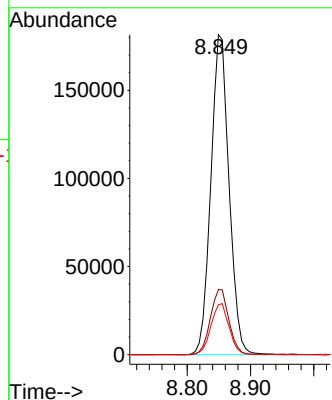
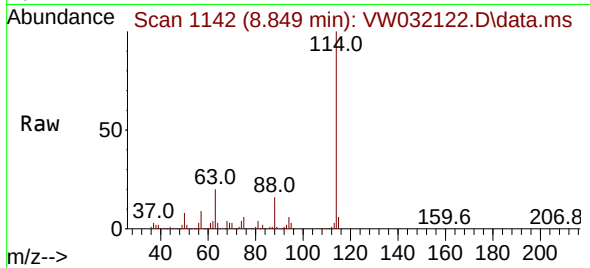




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032122.D
 Acq: 22 Aug 2025 19:24

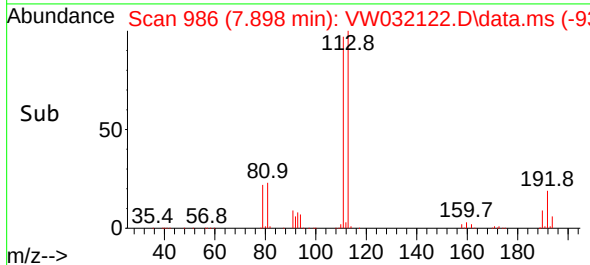
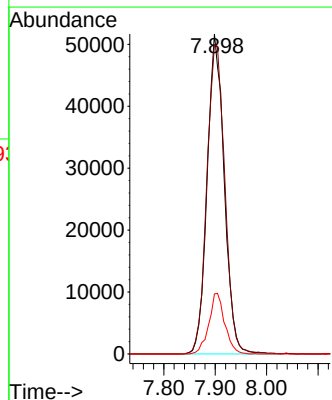
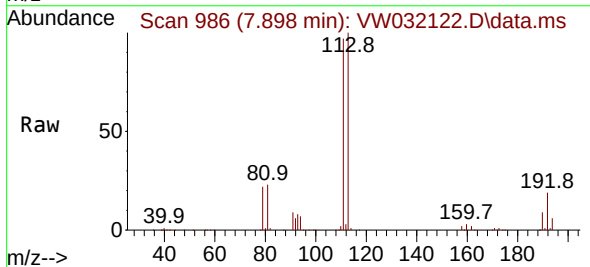
Instrument :
 MSVOA_W
 ClientSampleId :
 367

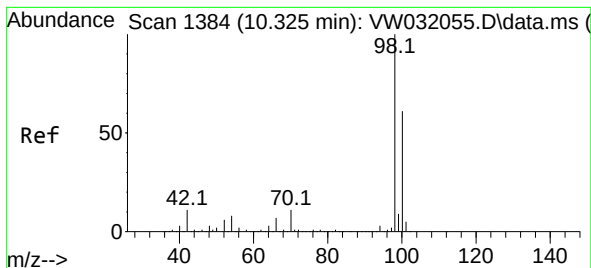
Tgt Ion:	114	Resp:	361968
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	43.0
88	15.6	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 50.897 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.000 min
 Lab File: VW032122.D
 Acq: 22 Aug 2025 19:24

Tgt Ion:	113	Resp:	119021
Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.1	120.1
192	17.7	13.1	19.7

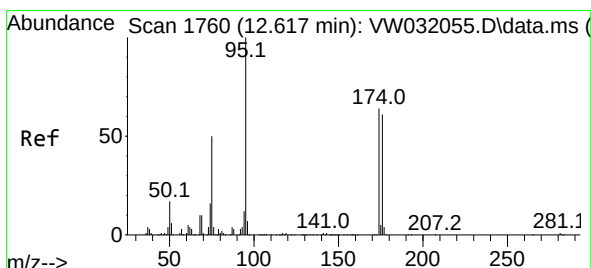
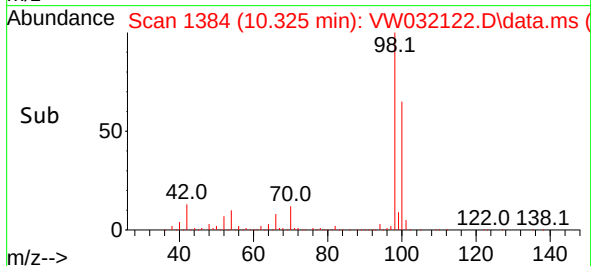
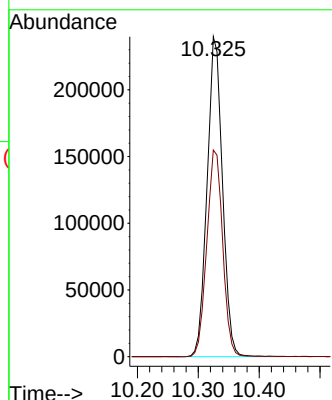
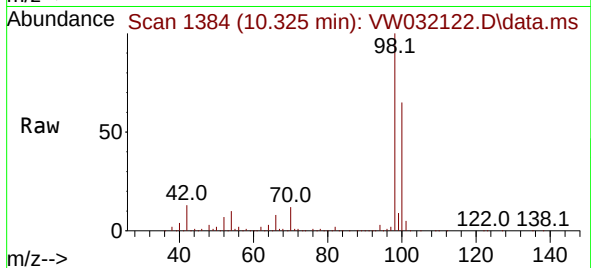




#50
Toluene-d8
Concen: 48.682 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

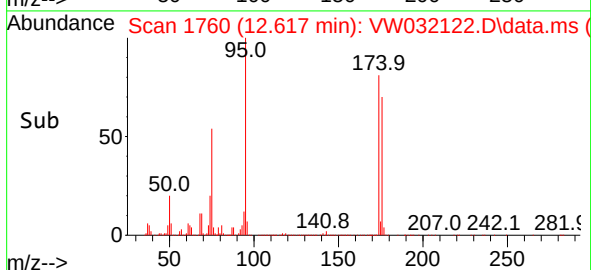
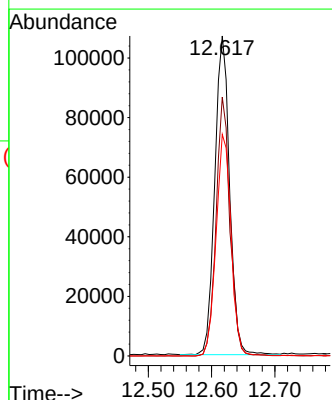
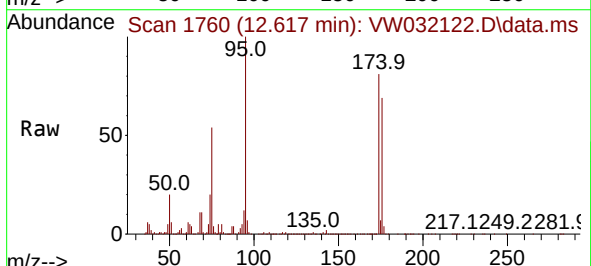
Instrument :
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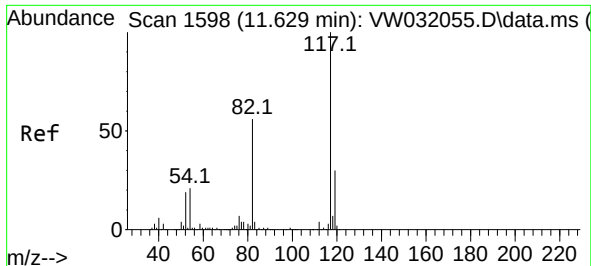
Tgt Ion: 98 Resp: 421063
Ion Ratio Lower Upper
98 100
100 66.6 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 54.821 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Tgt Ion: 95 Resp: 174736
Ion Ratio Lower Upper
95 100
174 76.3 0.0 129.0
176 70.2 0.0 124.6

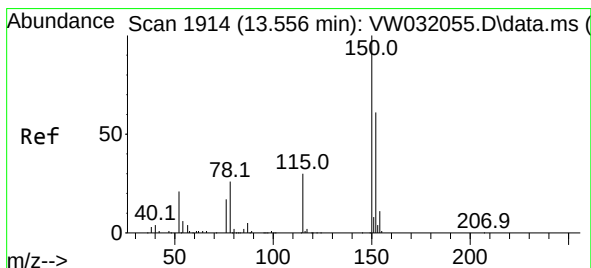
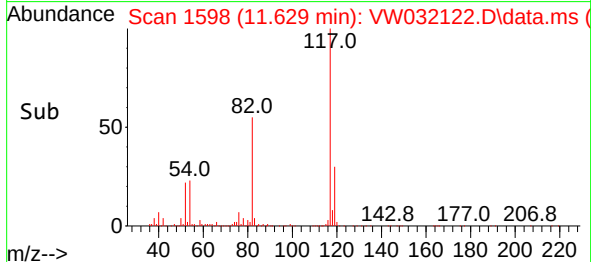
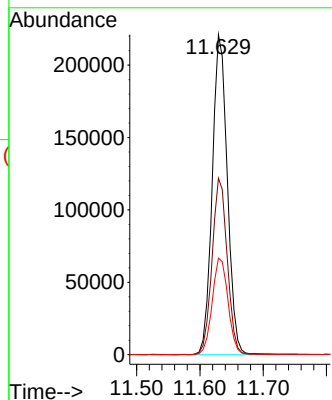
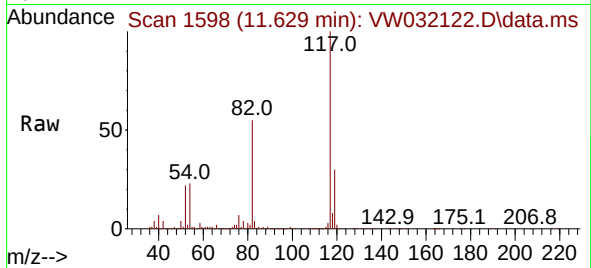




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Instrument :
MSVOA_W
ClientSampleId :
367

Tgt Ion:117 Resp: 365942
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 30.2 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032122.D
Acq: 22 Aug 2025 19:24

Tgt Ion:152 Resp: 187573
Ion Ratio Lower Upper
152 100
115 64.8 32.6 97.8
150 157.5 0.0 359.4

