

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032205.D
 Acq On : 19 Sep 2025 10:08
 Operator : SY/MD
 Sample : VW0919SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBL01

Quant Time: Sep 19 23:04:17 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	128568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	281974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	287563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	136277	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107935	58.702	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.400%
35) Dibromofluoromethane	7.898	113	95858	48.454	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.900%
50) Toluene-d8	10.325	98	310434	44.700	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.400%
62) 4-Bromofluorobenzene	12.617	95	121634	47.364	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.720%

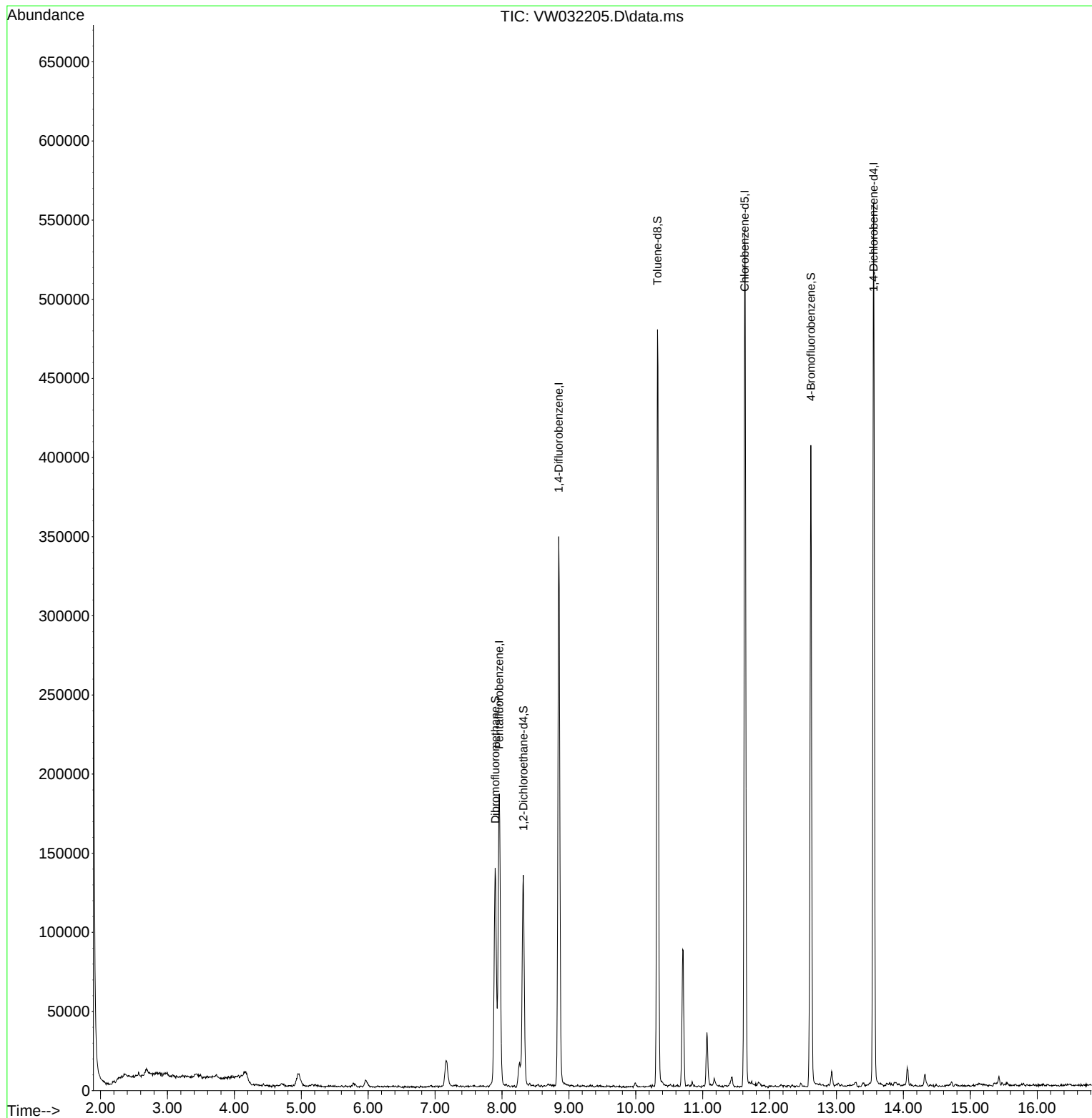
Target Compounds	Qvalue

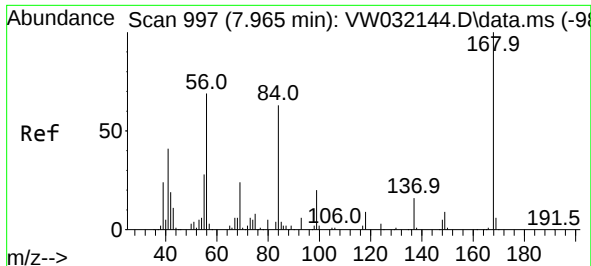
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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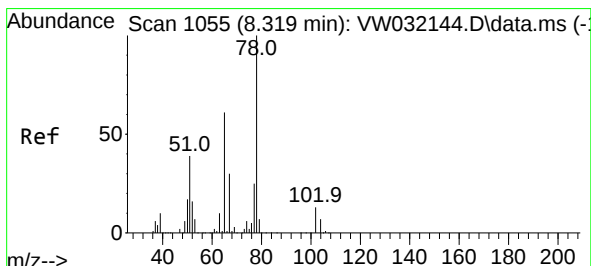
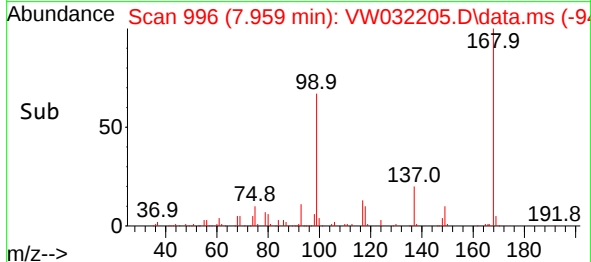
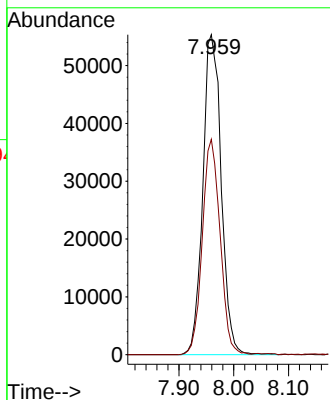
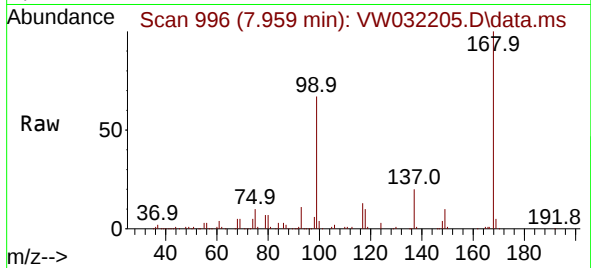




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

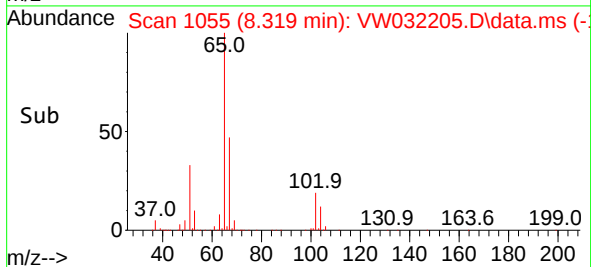
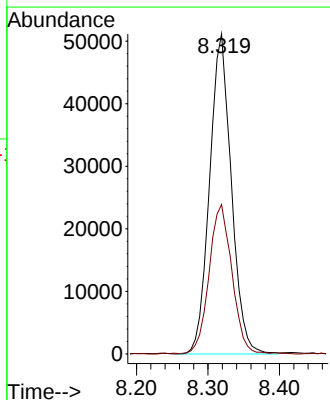
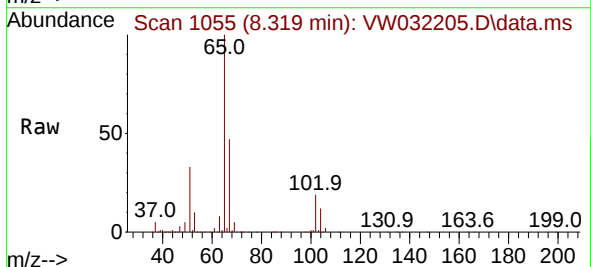
Instrument :
MSVOA_W
ClientSampleId :
VW0919SBL01

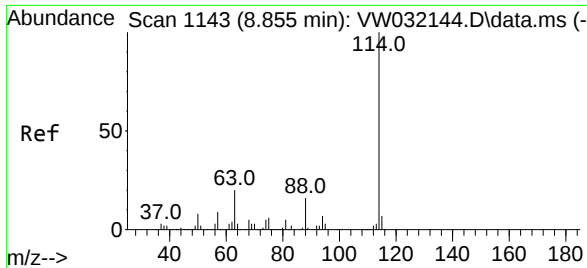
Tgt Ion:168 Resp: 128568
Ion Ratio Lower Upper
168 100
99 67.3 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 58.702 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

Tgt Ion: 65 Resp: 107935
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.6

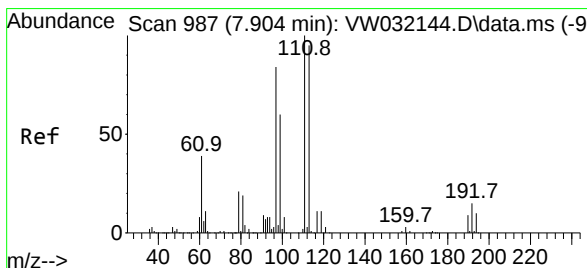
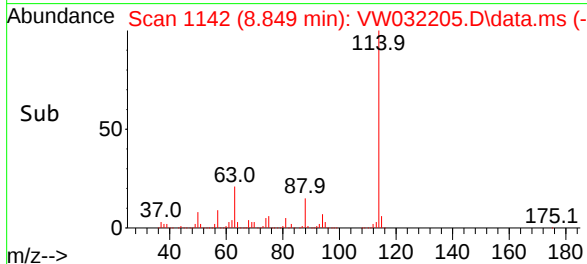
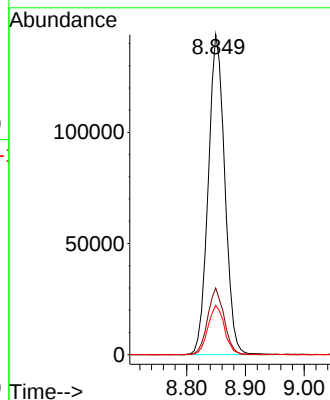
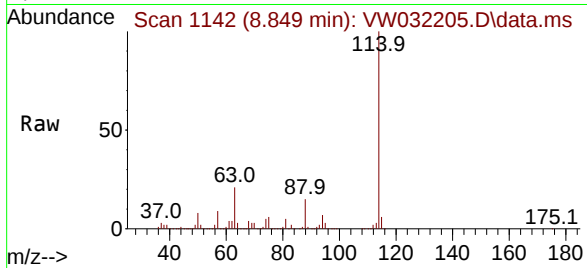




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032205.D
 Acq: 19 Sep 2025 10:08

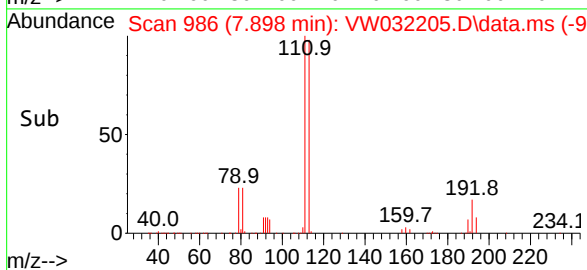
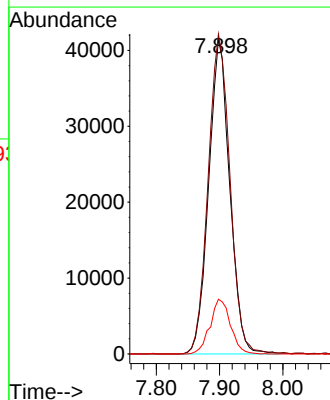
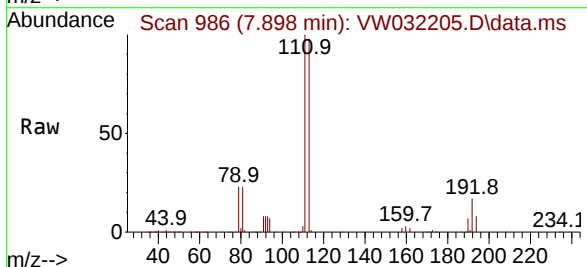
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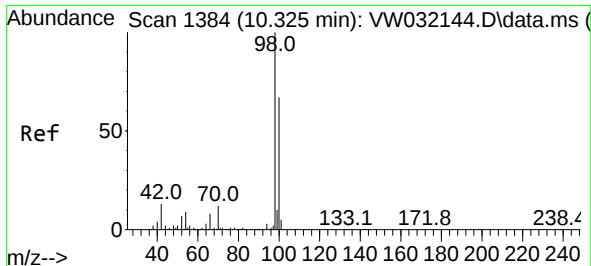
Tgt Ion:	114	Resp:	281974
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.4
88	15.4	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 48.454 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032205.D
 Acq: 19 Sep 2025 10:08

Tgt Ion:	113	Resp:	95858
Ion	Ratio	Lower	Upper
113	100		
111	105.4	83.9	125.9
192	16.9	14.6	21.8

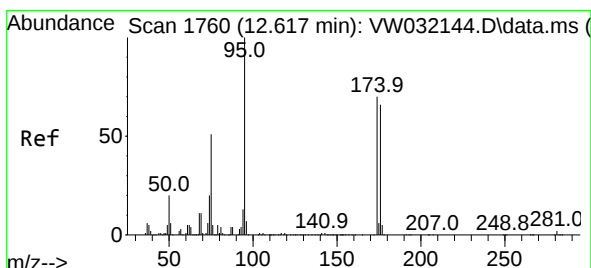
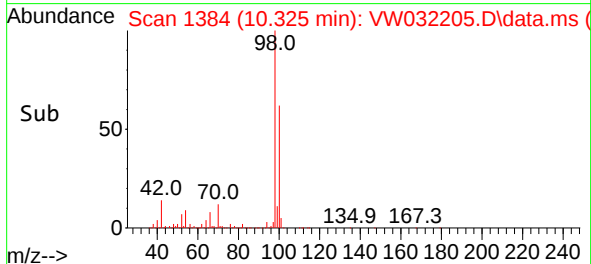
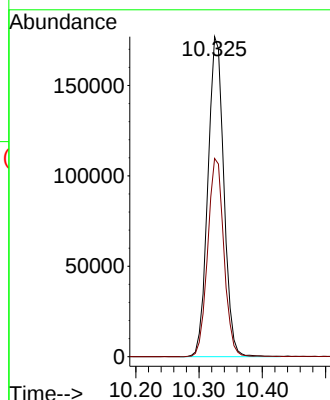
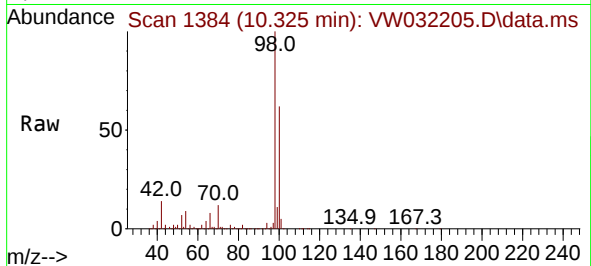




#50
Toluene-d8
Concen: 44.700 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

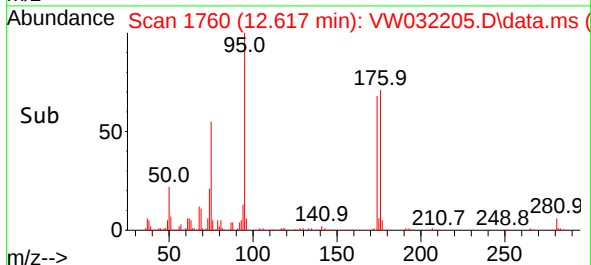
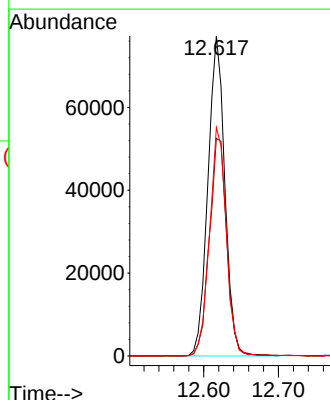
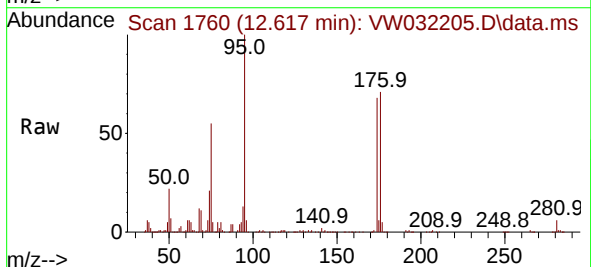
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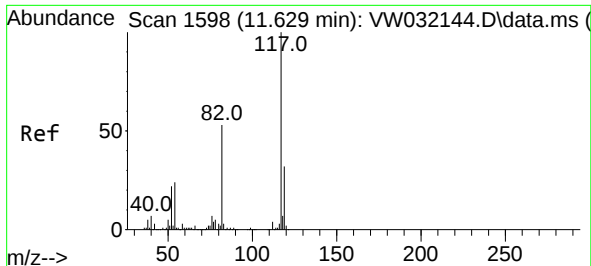
Tgt Ion: 98 Resp: 310434
Ion Ratio Lower Upper
98 100
100 62.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 47.364 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

Tgt Ion: 95 Resp: 121634
Ion Ratio Lower Upper
95 100
174 70.3 0.0 145.6
176 70.8 0.0 140.8

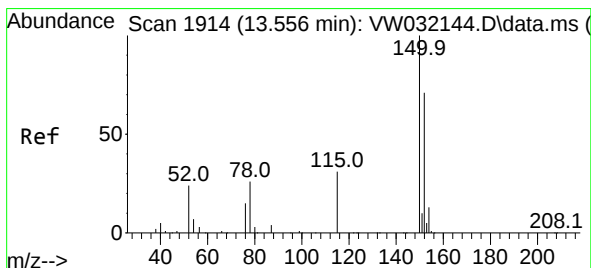
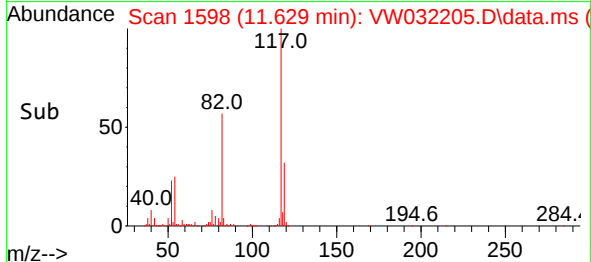
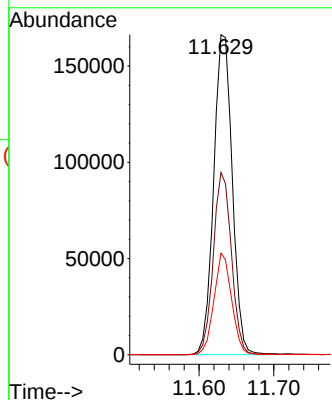
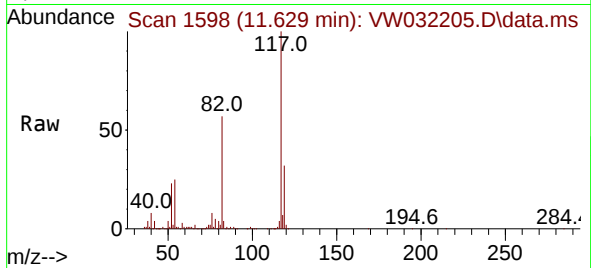




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032205.D
Acq: 19 Sep 2025 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBL01

Tgt Ion:117 Resp: 287563
Ion Ratio Lower Upper
117 100
82 56.9 42.7 64.1
119 31.7 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: VW032205.D
Acq: 19 Sep 2025 10:08

Tgt Ion:152 Resp: 136277
Ion Ratio Lower Upper
152 100
115 61.1 31.8 95.4
150 154.2 0.0 343.0

