

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092225\
 Data File : VW032229.D
 Acq On : 22 Sep 2025 12:55
 Operator : SY/MD
 Sample : Q3159-01
 Misc : 4.57g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-245

Quant Time: Sep 23 06:06:53 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	133738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	274205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	283703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	140855	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	109389	57.193	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	114.380%
35) Dibromofluoromethane	7.898	113	90626	47.108	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.220%
50) Toluene-d8	10.331	98	298959	44.267	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.540%
62) 4-Bromofluorobenzene	12.617	95	98566	39.469	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	78.940%

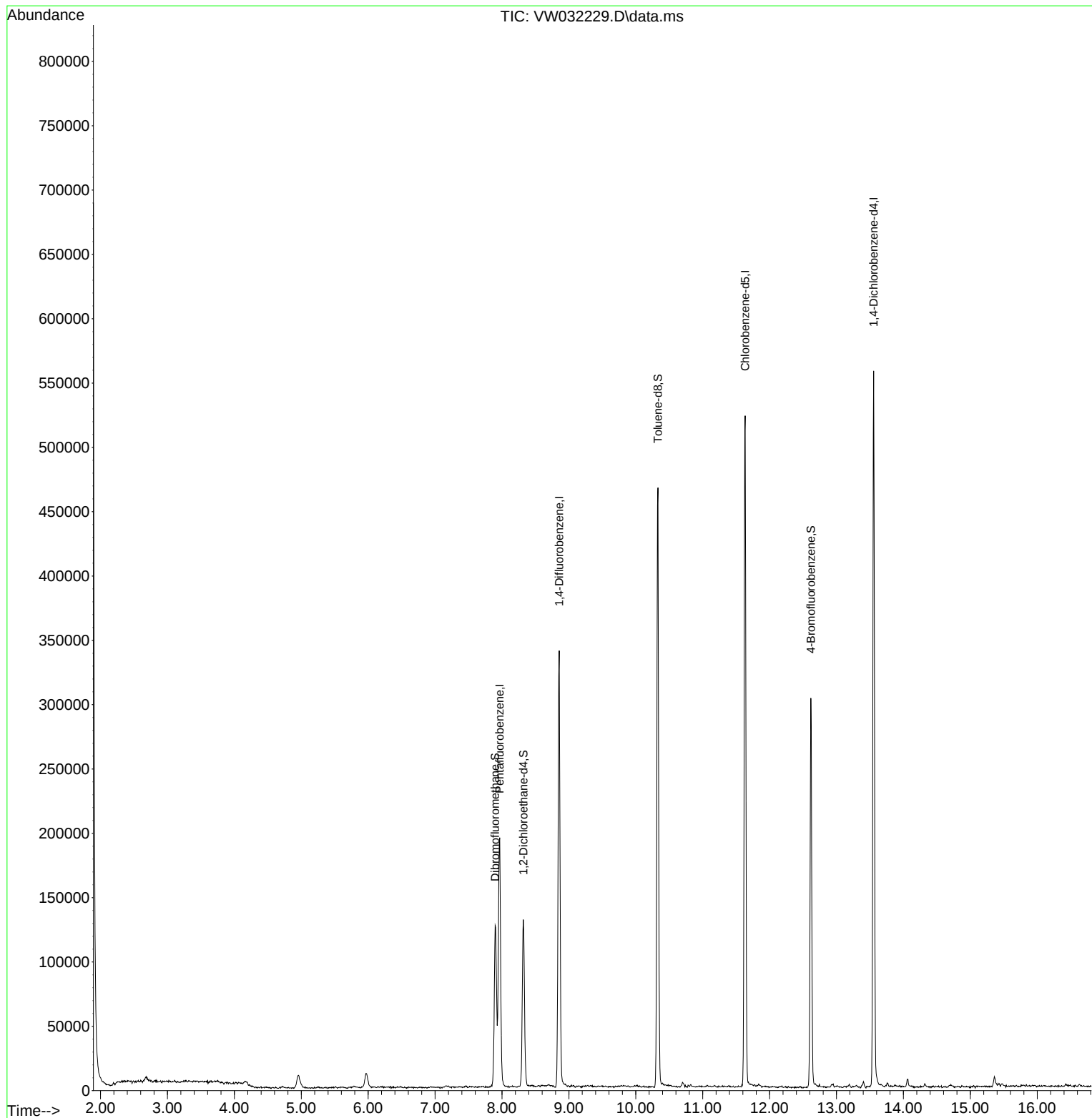
Target Compounds	Qvalue

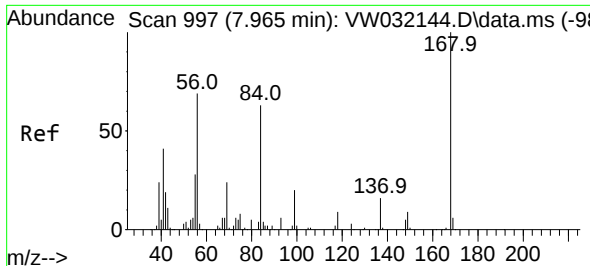
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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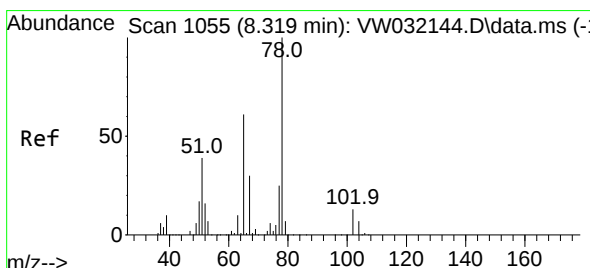
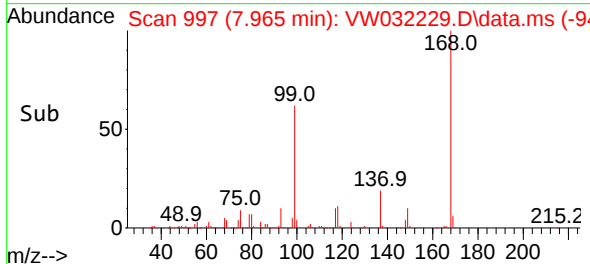
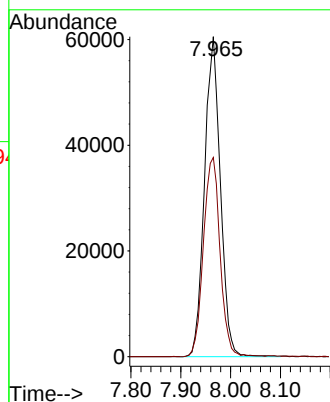
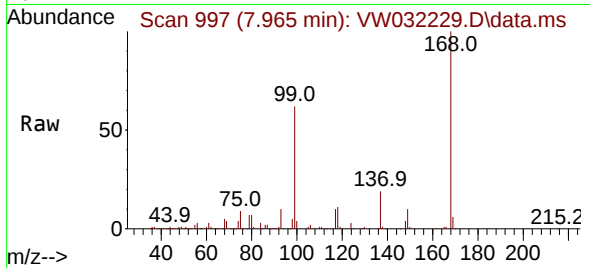




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

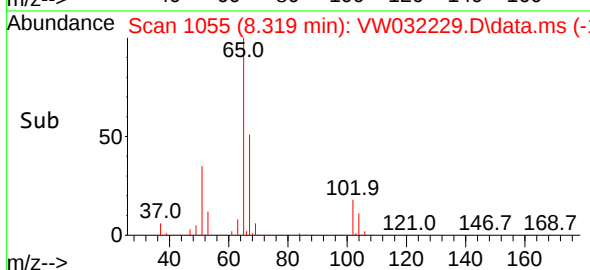
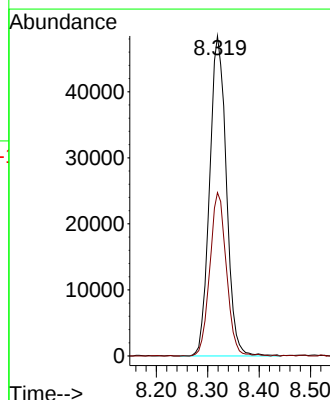
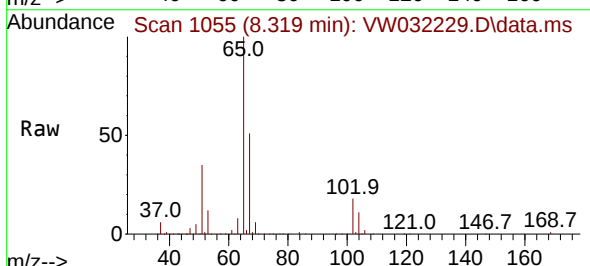
Instrument :
MSVOA_W
ClientSampleId :
VNJ-245

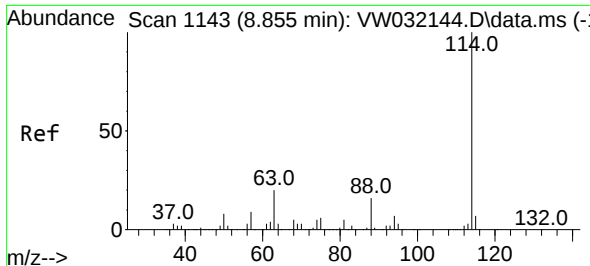
Tgt Ion:168 Resp: 133738
Ion Ratio Lower Upper
168 100
99 62.3 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 57.193 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

Tgt Ion: 65 Resp: 109389
Ion Ratio Lower Upper
65 100
67 50.4 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: VW032229.D

Acq: 22 Sep 2025 12:55

Instrument :

MSVOA_W

ClientSampleId :

VNJ-245

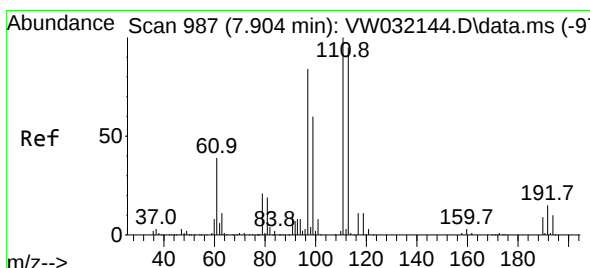
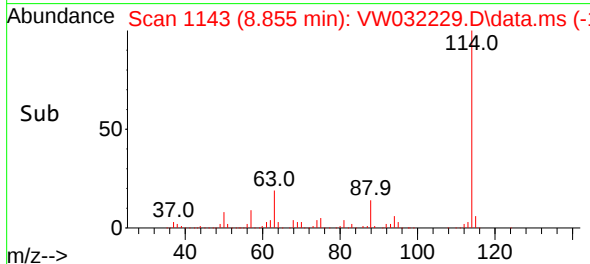
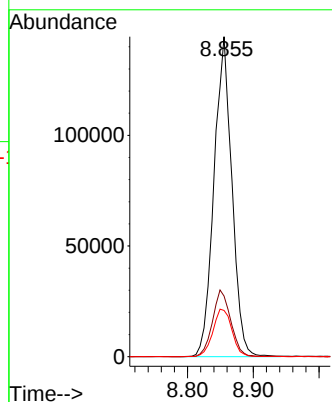
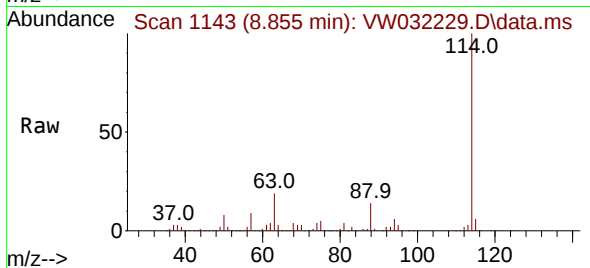
Tgt Ion:114 Resp: 274205

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.4

88 14.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.108 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032229.D

Acq: 22 Sep 2025 12:55

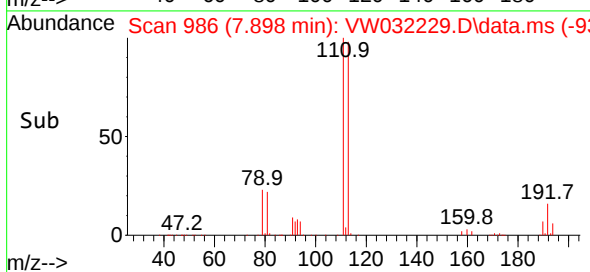
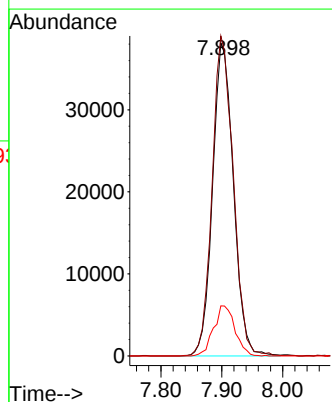
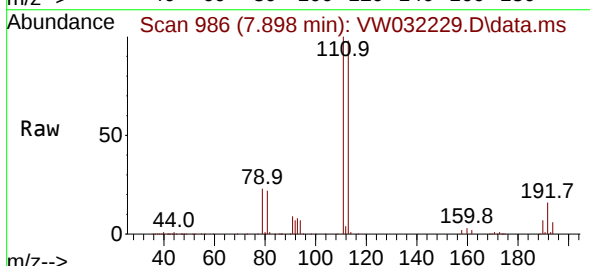
Tgt Ion:113 Resp: 90626

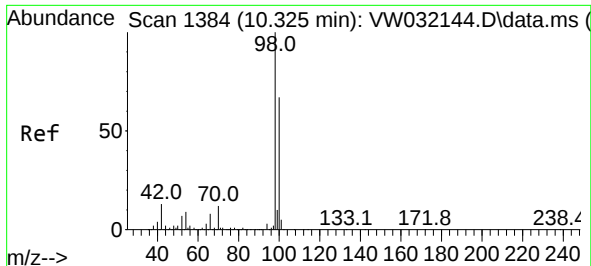
Ion Ratio Lower Upper

113 100

111 103.4 83.9 125.9

192 16.4 14.6 21.8

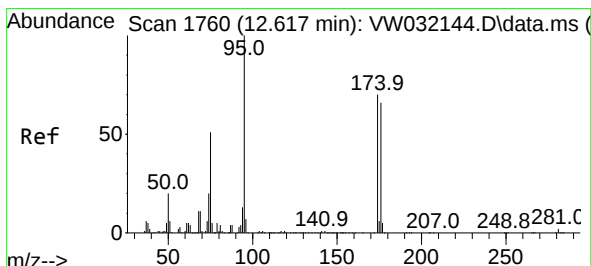
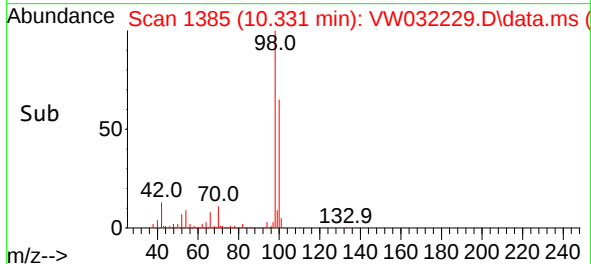
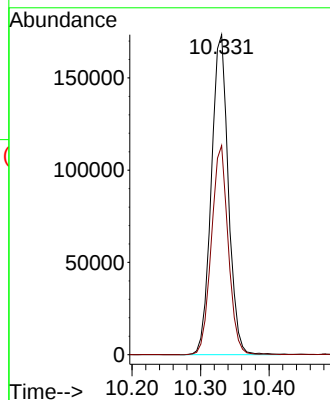
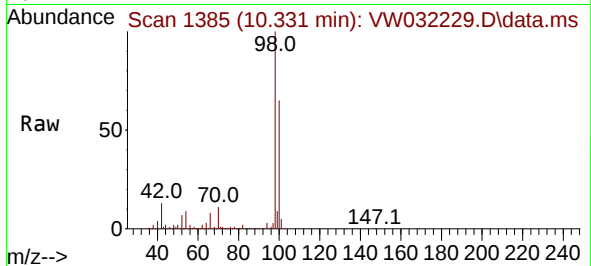




#50
Toluene-d8
Concen: 44.267 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

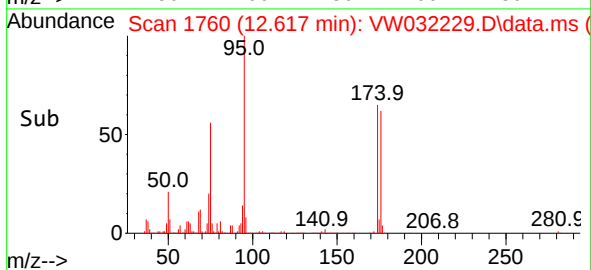
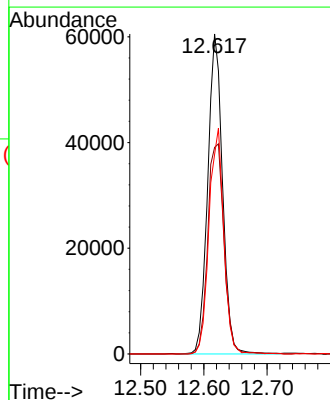
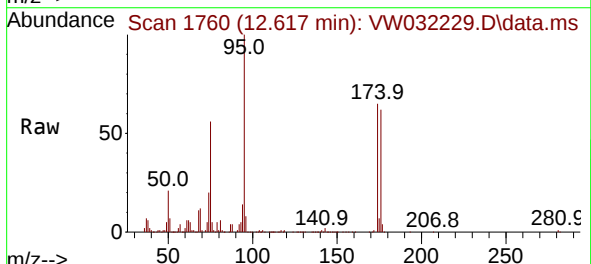
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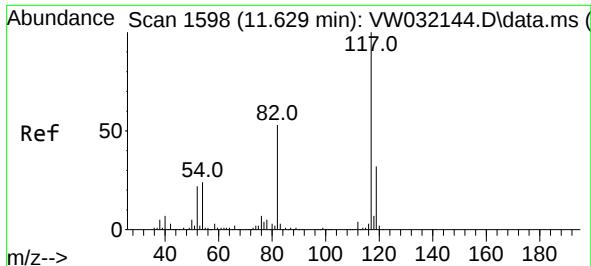
Tgt Ion: 98 Resp: 298959
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 39.469 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

Tgt Ion: 95 Resp: 98566
Ion Ratio Lower Upper
95 100
174 72.1 0.0 145.6
176 70.3 0.0 140.8

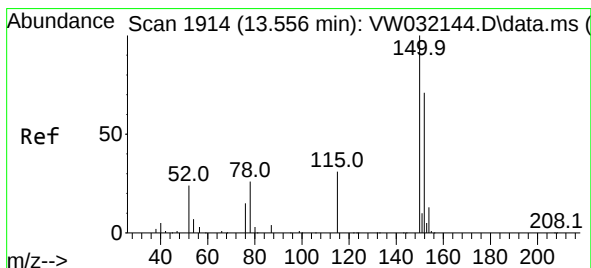
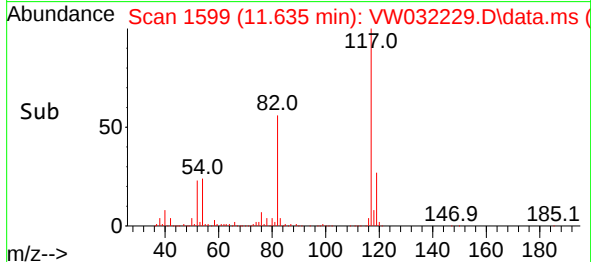
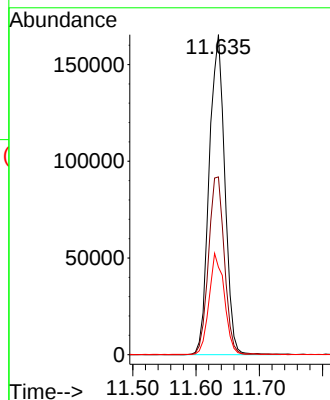
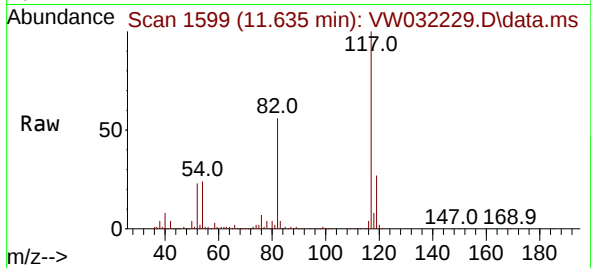




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032229.D
Acq: 22 Sep 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VNJ-245

Tgt Ion:117 Resp: 283703
Ion Ratio Lower Upper
117 100
82 55.6 42.7 64.1
119 27.3 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: VW032229.D
Acq: 22 Sep 2025 12:55

Tgt Ion:152 Resp: 140855
Ion Ratio Lower Upper
152 100
115 60.6 31.8 95.4
150 155.0 0.0 343.0

