

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080725\
 Data File : VW032045.D
 Acq On : 07 Aug 2025 15:10
 Operator : SY/MD
 Sample : Q2793-02RE
 Misc : 5.09g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-231RE

Quant Time: Aug 08 04:10:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	71562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	136533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	127283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	54243	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	49653	45.867	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	91.740%
35) Dibromofluoromethane	7.898	113	44270	47.717	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.440%
50) Toluene-d8	10.331	98	156383	44.537	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.080%
62) 4-Bromofluorobenzene	12.617	95	55895	41.457	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	82.920%

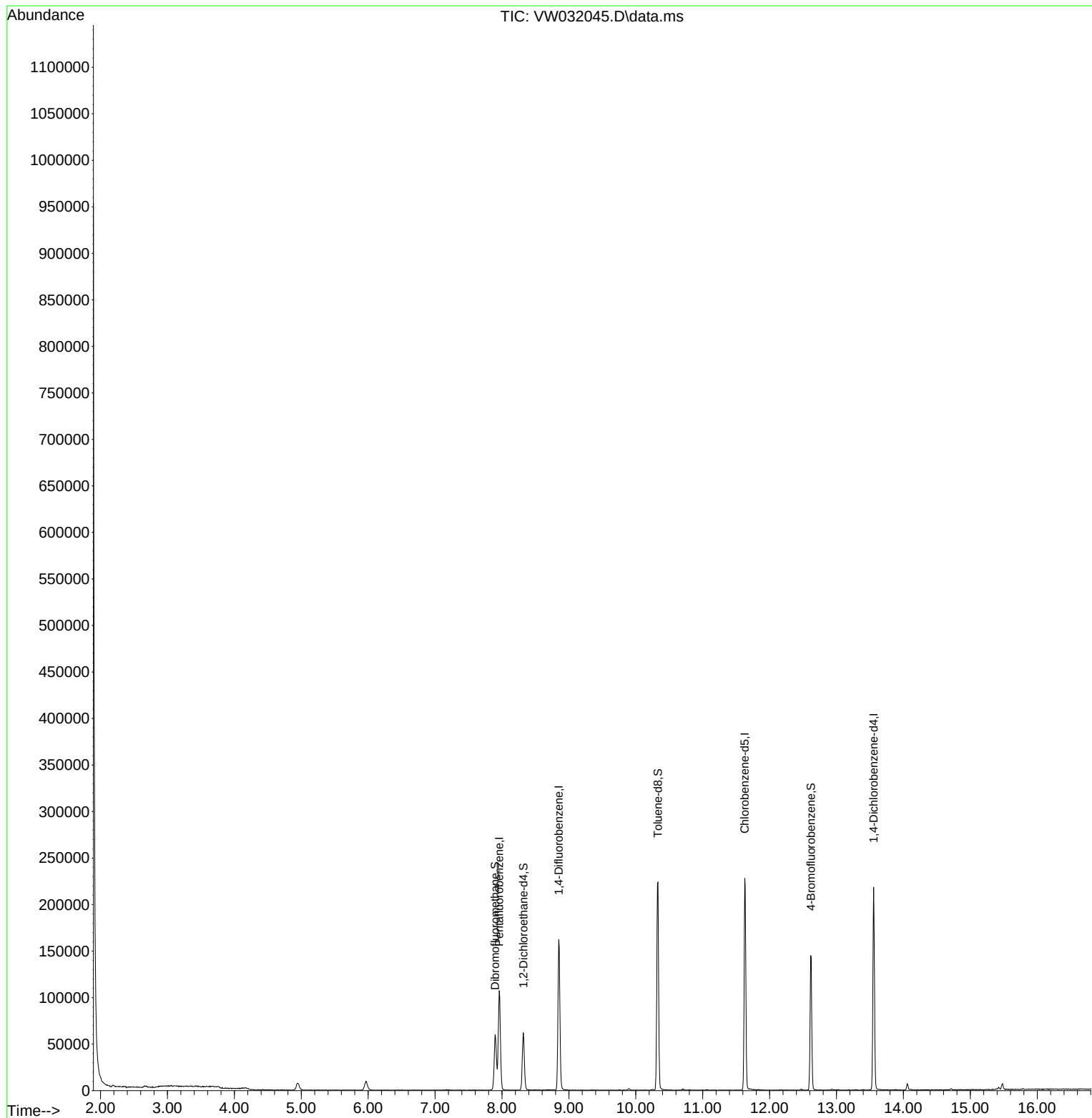
Target Compounds	Qvalue

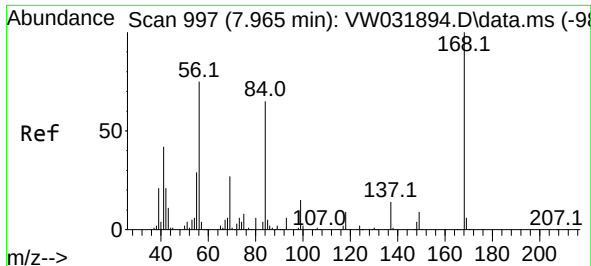
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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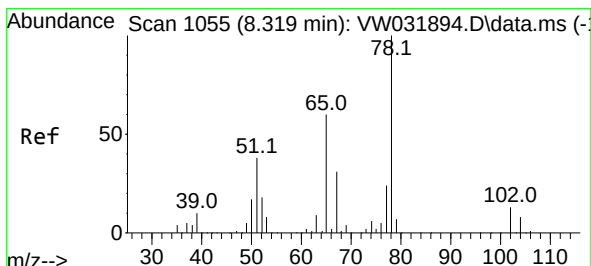
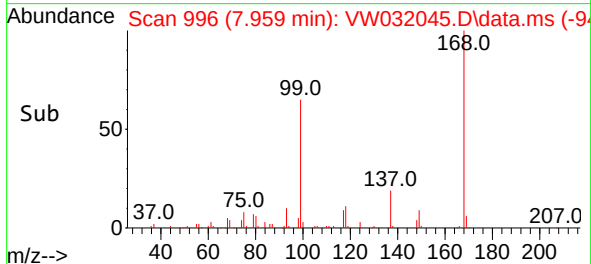
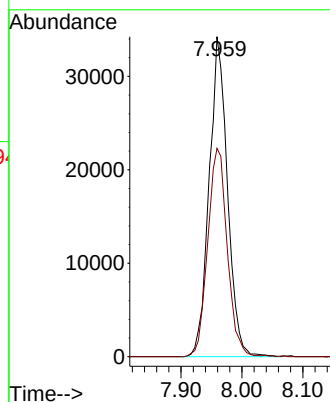
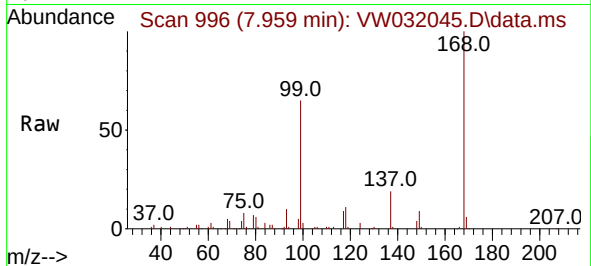




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032045.D
Acq: 07 Aug 2025 15:10

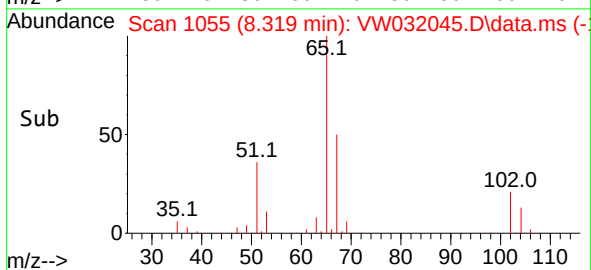
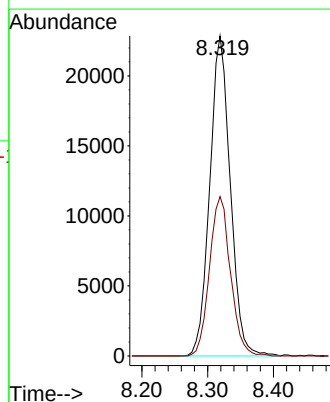
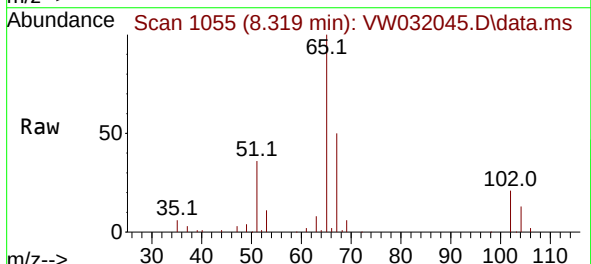
Instrument :
MSVOA_W
ClientSampleId :
VNJ-231RE

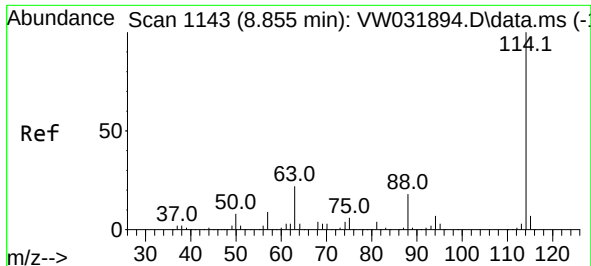
Tgt Ion:168 Resp: 71562
Ion Ratio Lower Upper
168 100
99 65.1 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 45.867 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032045.D
Acq: 07 Aug 2025 15:10

Tgt Ion: 65 Resp: 49653
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.4

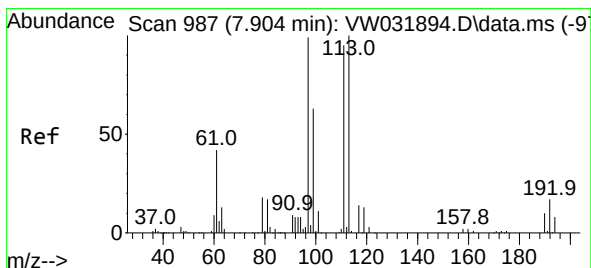
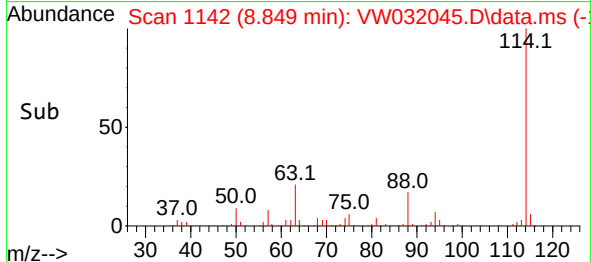
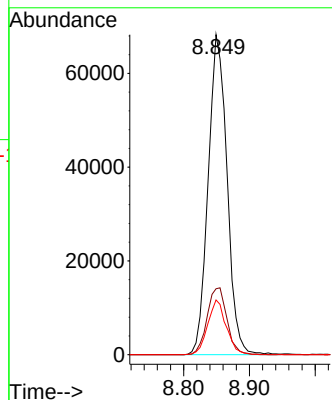
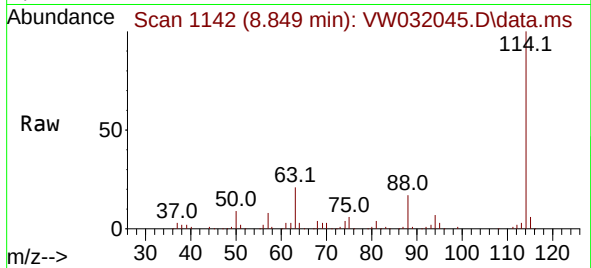




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032045.D
Acq: 07 Aug 2025 15:10

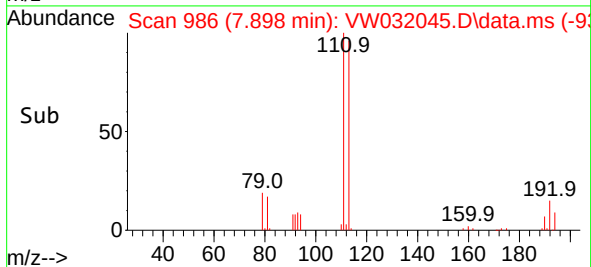
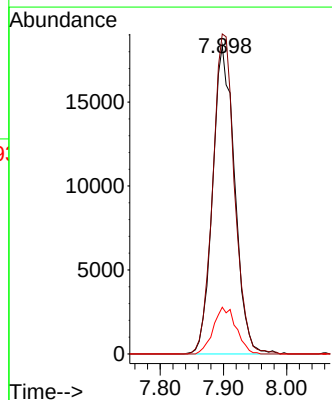
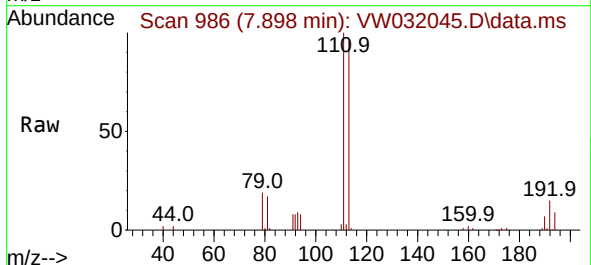
Instrument :
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ClientSampleId :
VNJ-231RE

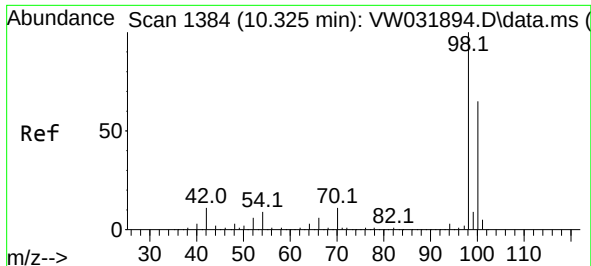
Tgt Ion:114 Resp: 136533
Ion Ratio Lower Upper
114 100
63 20.6 0.0 44.2
88 17.1 0.0 35.6



#35
Dibromofluoromethane
Concen: 47.717 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032045.D
Acq: 07 Aug 2025 15:10

Tgt Ion:113 Resp: 44270
Ion Ratio Lower Upper
113 100
111 103.0 79.9 119.9
192 15.8 12.6 19.0

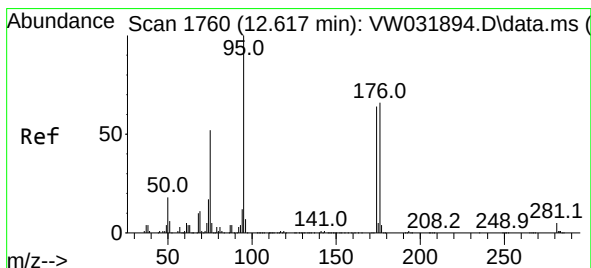
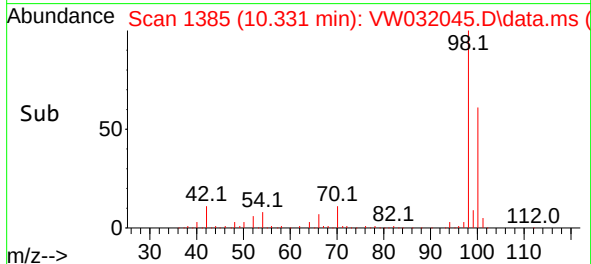
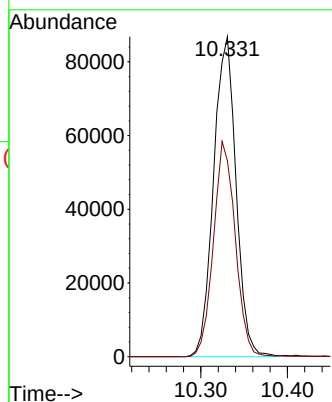
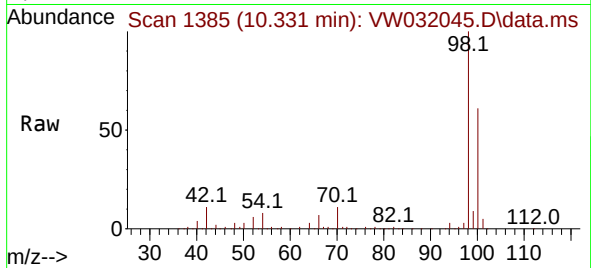




#50
Toluene-d8
Concen: 44.537 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032045.D
Acq: 07 Aug 2025 15:10

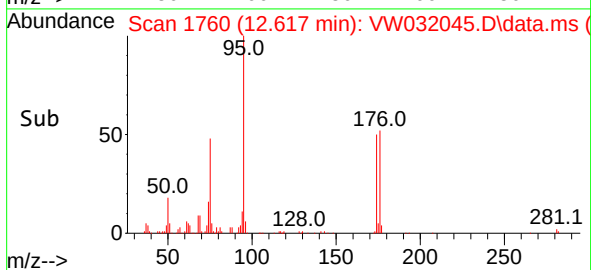
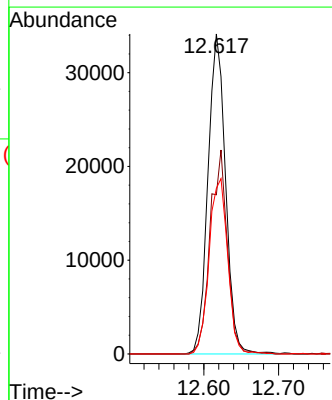
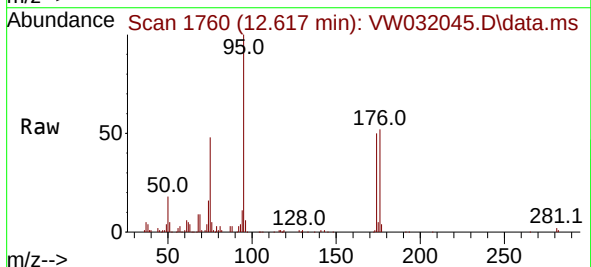
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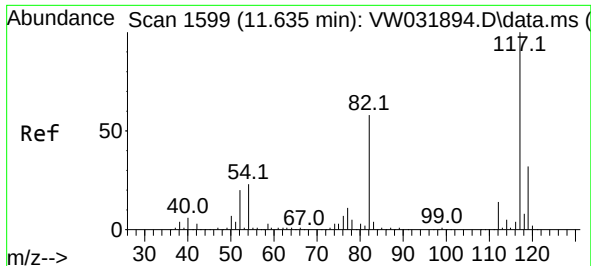
Tgt Ion: 98 Resp: 156383
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 41.457 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032045.D
Acq: 07 Aug 2025 15:10

Tgt Ion: 95 Resp: 55895
Ion Ratio Lower Upper
95 100
174 62.6 0.0 129.8
176 57.9 0.0 130.4

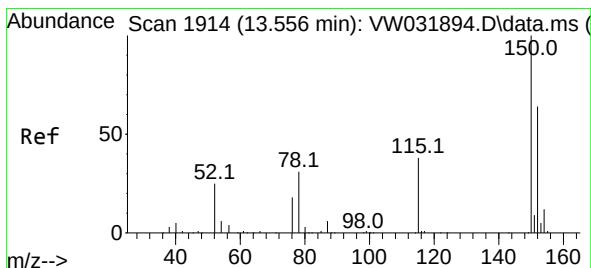
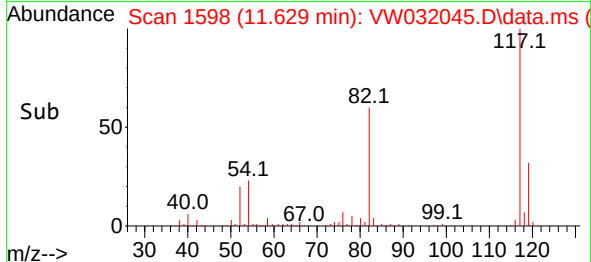
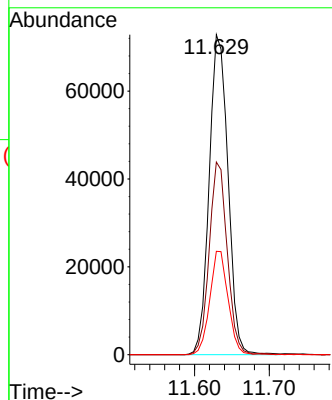
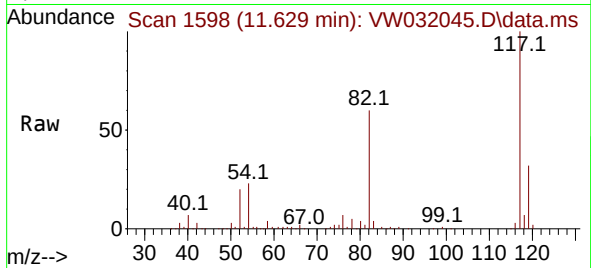




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032045.D
Acq: 07 Aug 2025 15:10

Instrument :
MSVOA_W
ClientSampleId :
VNJ-231RE

Tgt Ion:117 Resp: 127283
Ion Ratio Lower Upper
117 100
82 60.2 46.5 69.7
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032045.D
Acq: 07 Aug 2025 15:10

Tgt Ion:152 Resp: 54243
Ion Ratio Lower Upper
152 100
115 67.1 33.4 100.1
150 158.8 0.0 352.2

