

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032634.D
 Acq On : 11 Dec 2025 15:43
 Operator : SY/MD
 Sample : Q3826-09
 Misc : 4.68g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

Quant Time: Dec 12 00:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	411770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	830597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	651895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	247338	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	392254	59.861	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	119.720%
35) Dibromofluoromethane	7.898	113	322009	54.106	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	108.220%
50) Toluene-d8	10.325	98	1088845	51.081	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	102.160%
62) 4-Bromofluorobenzene	12.617	95	335208	42.832	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	85.660%

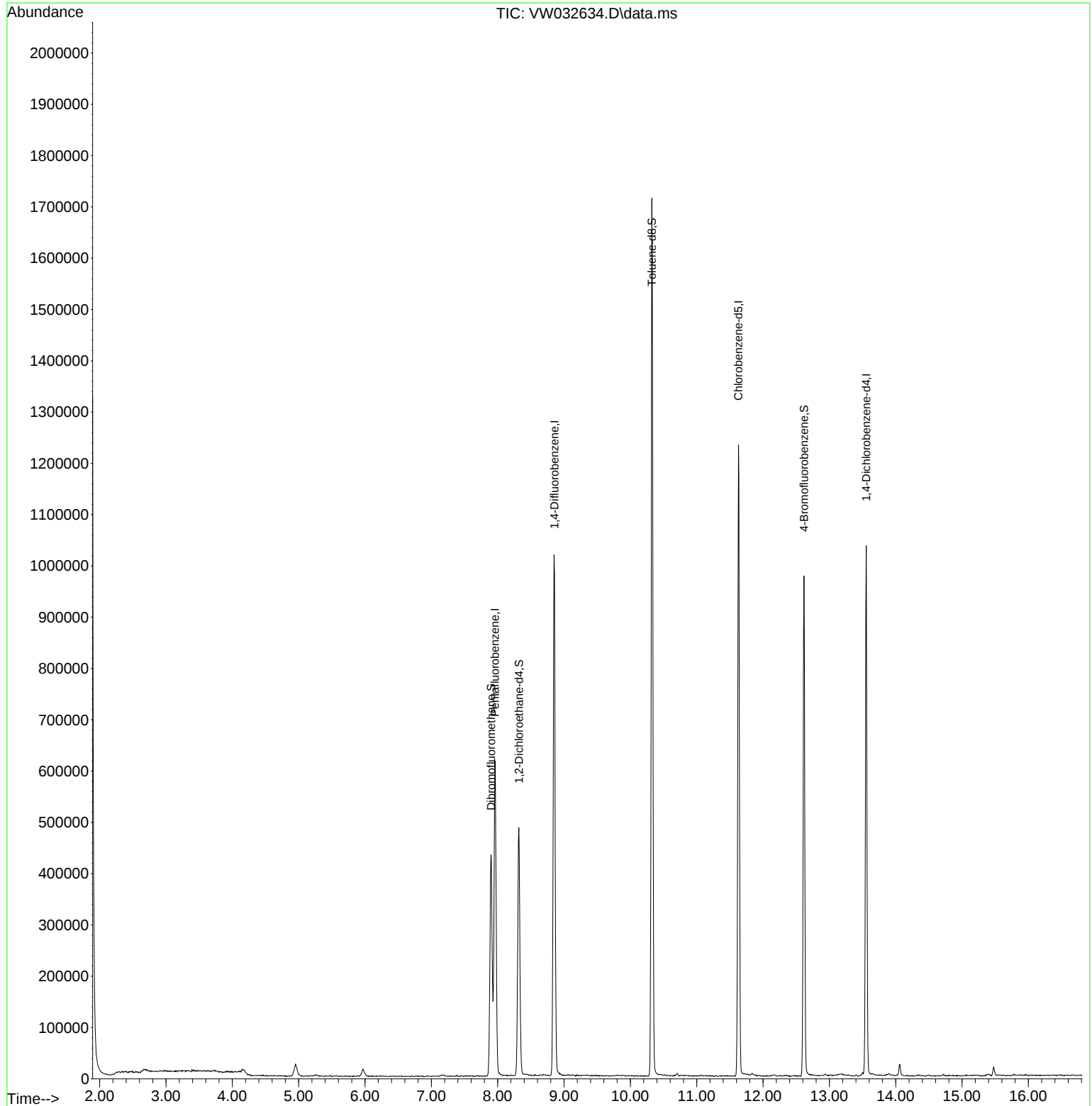
Target Compounds	Qvalue

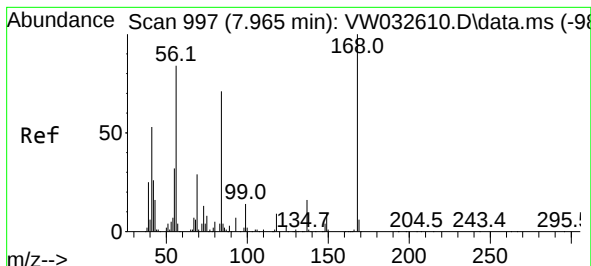
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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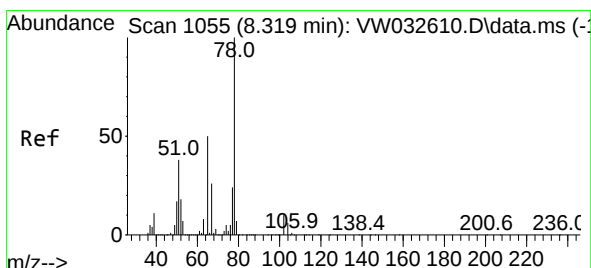
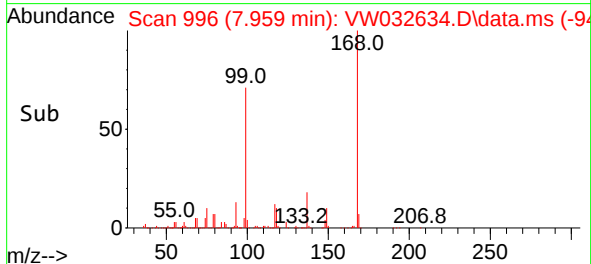
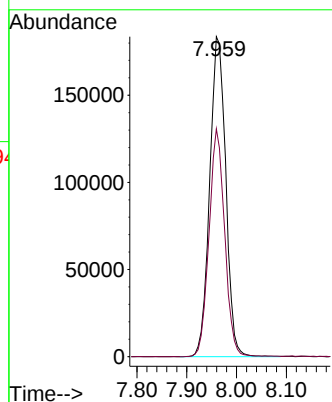
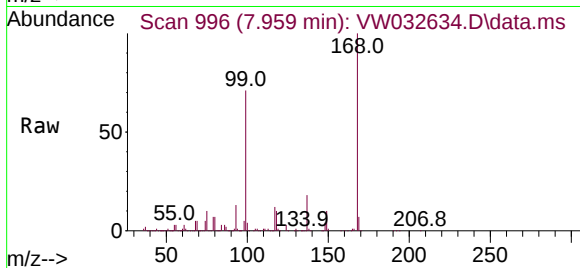




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

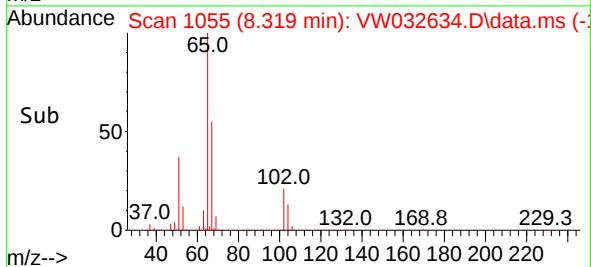
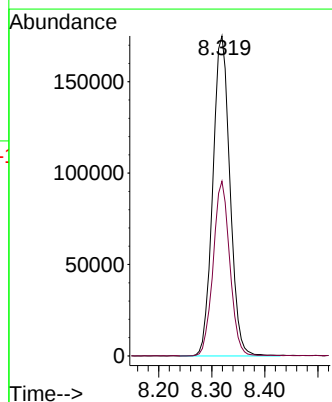
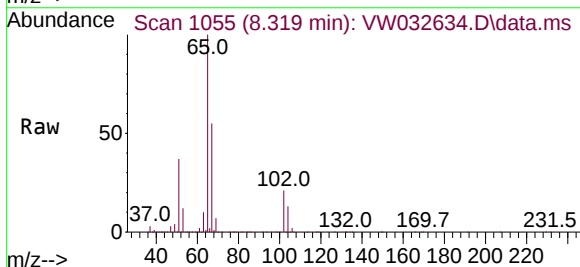
Instrument :
MSVOA_W
ClientSampleId :
TP-1

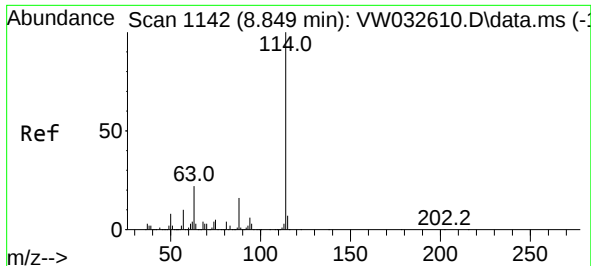
Tgt Ion:168 Resp: 411770
Ion Ratio Lower Upper
168 100
99 71.2 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 59.861 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

Tgt Ion: 65 Resp: 392254
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032634.D

Acq: 11 Dec 2025 15:43

Instrument :

MSVOA_W

ClientSampleId :

TP-1

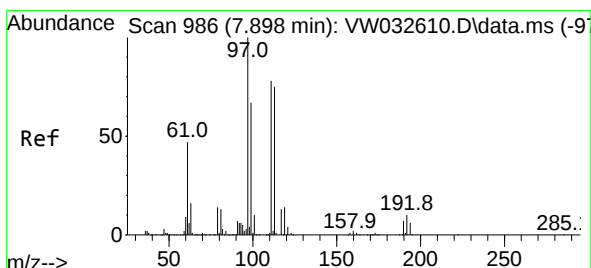
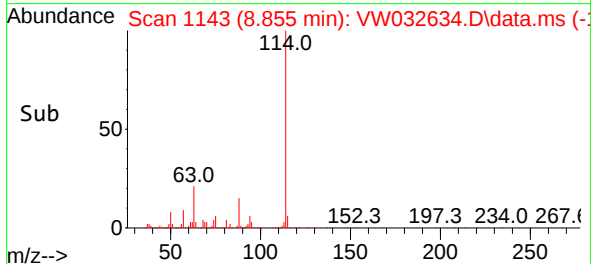
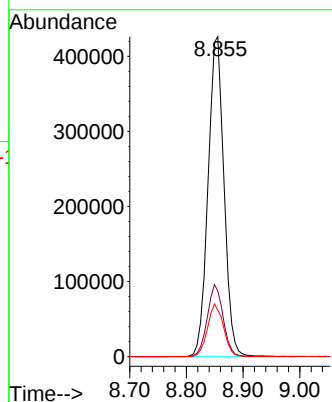
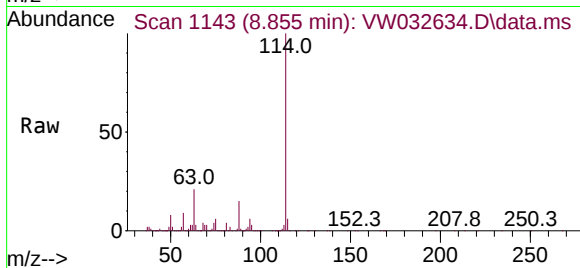
Tgt Ion:114 Resp: 830597

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.6

88 14.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.106 ug/l

RT: 7.898 min Scan# 986

Delta R.T. 0.000 min

Lab File: VW032634.D

Acq: 11 Dec 2025 15:43

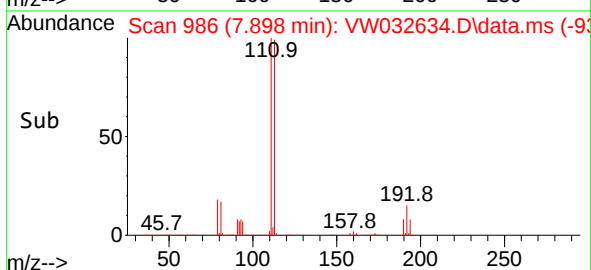
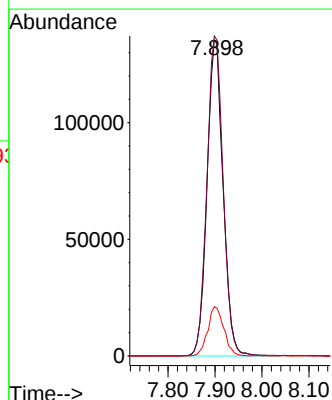
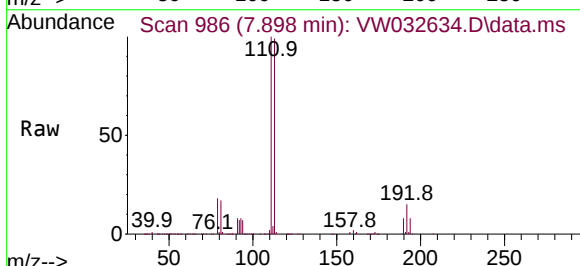
Tgt Ion:113 Resp: 322009

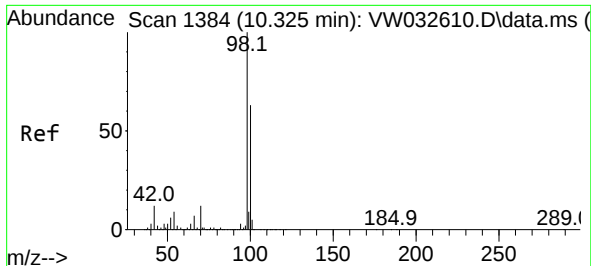
Ion Ratio Lower Upper

113 100

111 102.7 85.2 127.8

192 15.6 13.3 19.9

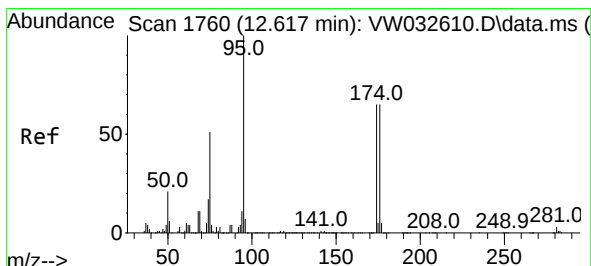
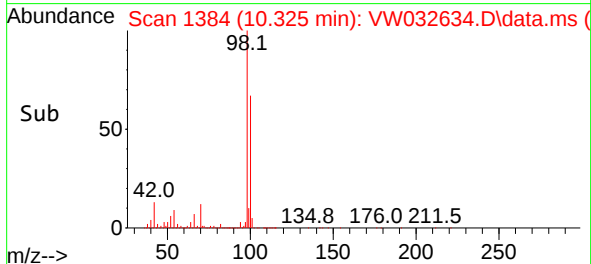
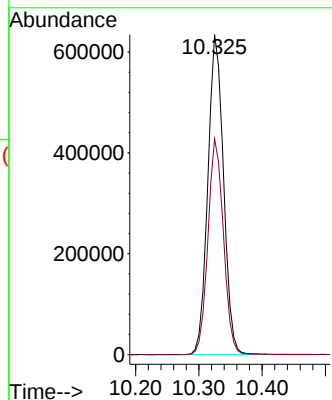
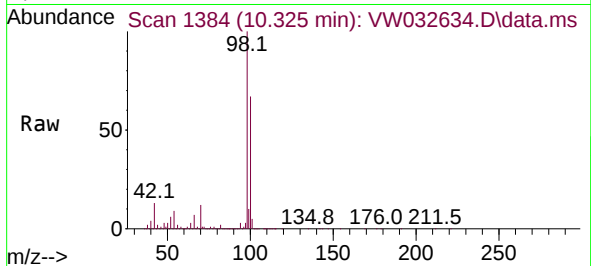




#50
Toluene-d8
Concen: 51.081 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

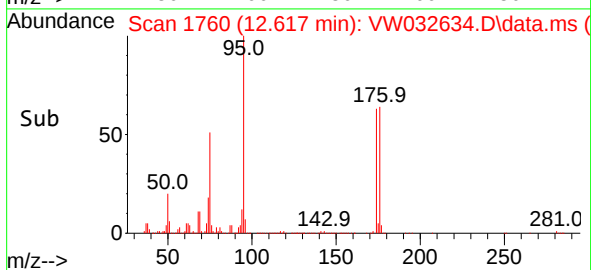
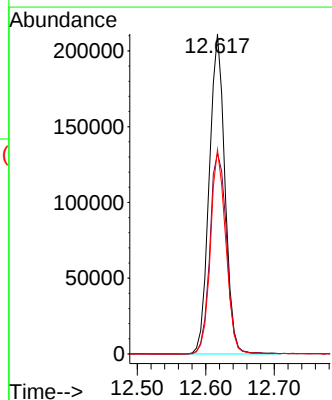
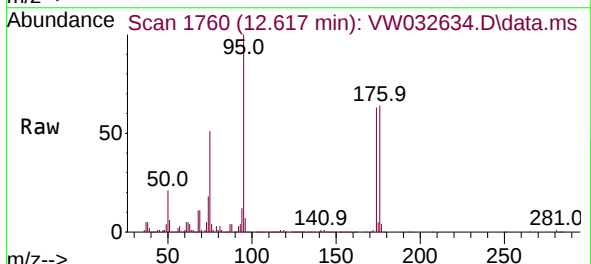
Instrument :
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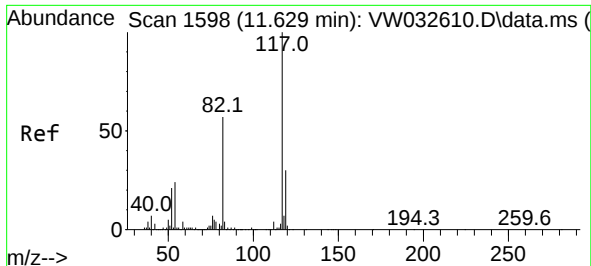
Tgt Ion: 98 Resp: 1088845
Ion Ratio Lower Upper
98 100
100 66.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 42.832 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

Tgt Ion: 95 Resp: 335208
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.0
176 62.4 0.0 123.4

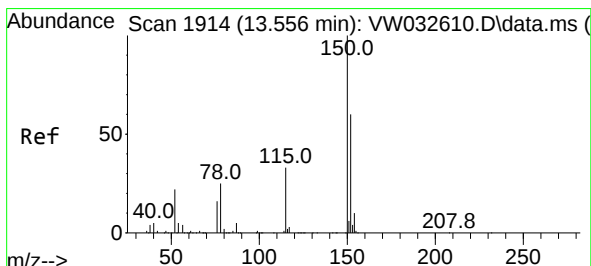
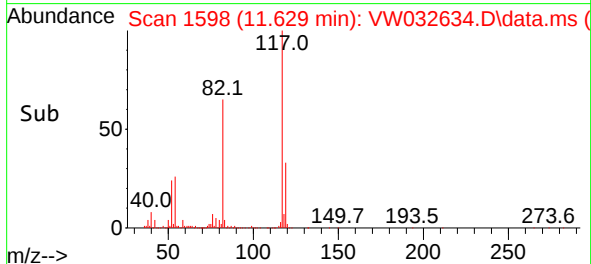
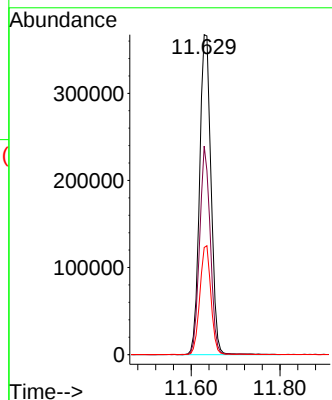
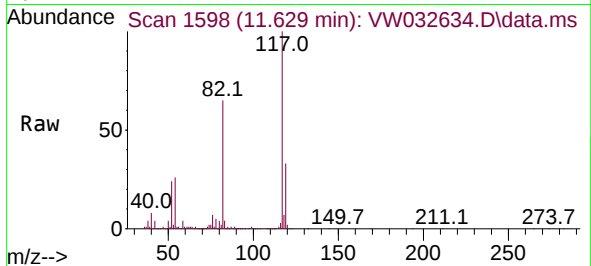




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

Instrument :
MSVOA_W
ClientSampleId :
TP-1

Tgt Ion:117 Resp: 651895
Ion Ratio Lower Upper
117 100
82 65.2 45.5 68.3
119 33.4 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032634.D
Acq: 11 Dec 2025 15:43

Tgt Ion:152 Resp: 247338
Ion Ratio Lower Upper
152 100
115 64.2 33.8 101.3
150 154.6 0.0 369.4

