

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032629.D
 Acq On : 11 Dec 2025 13:54
 Operator : SY/MD
 Sample : Q3814-15
 Misc : 4.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4

Quant Time: Dec 12 00:43:48 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	446893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	891925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	788965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	345758	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	417019	58.708	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.420%
35) Dibromofluoromethane	7.898	113	333297	52.271	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.540%
50) Toluene-d8	10.325	98	1201993	52.511	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.020%
62) 4-Bromofluorobenzene	12.617	95	415273	49.414	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.820%

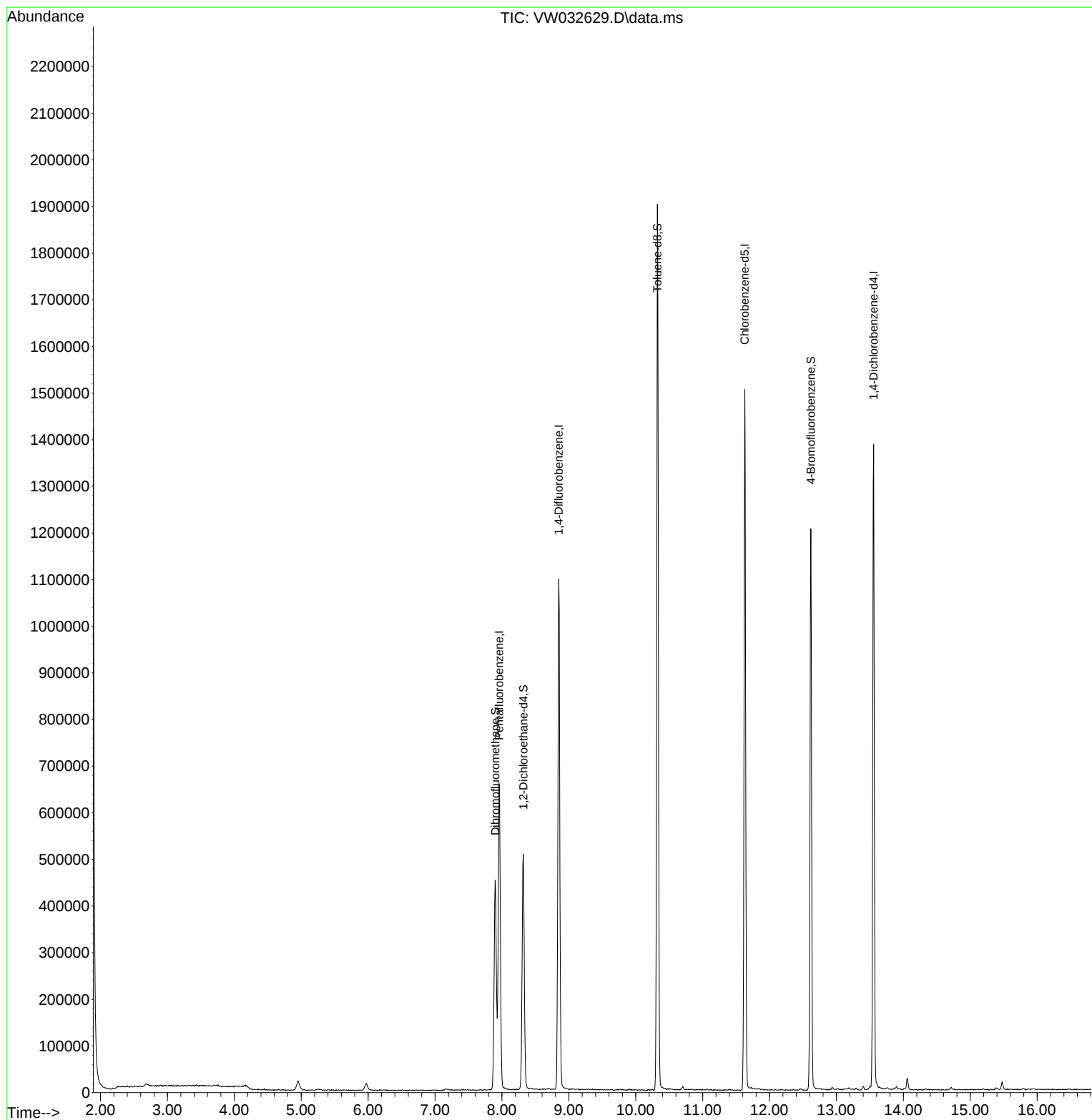
Target Compounds	Qvalue

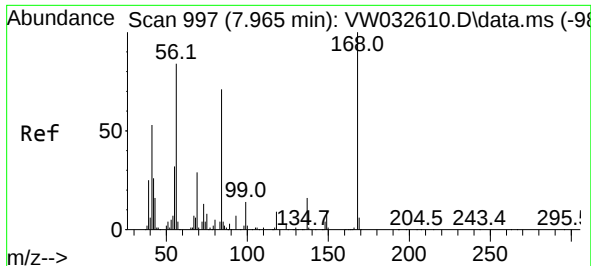
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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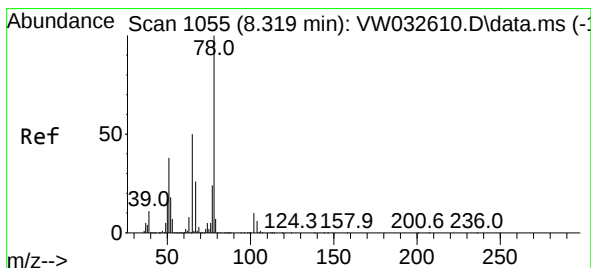
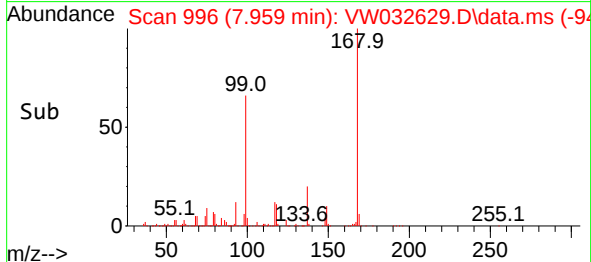
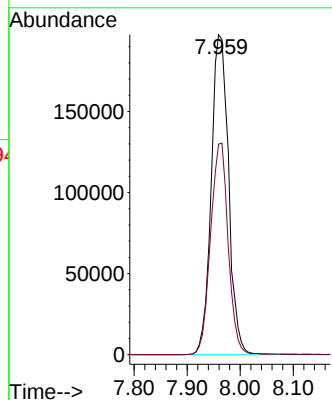
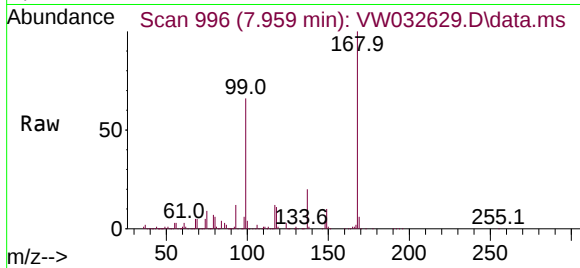




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

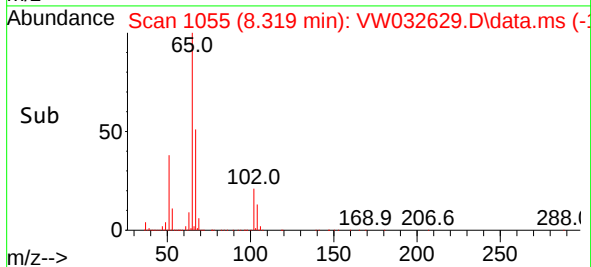
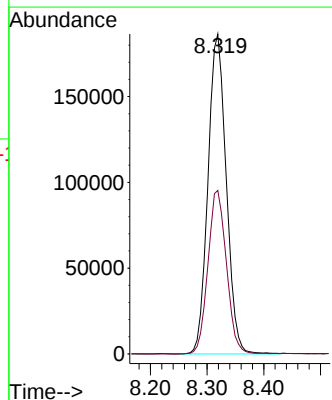
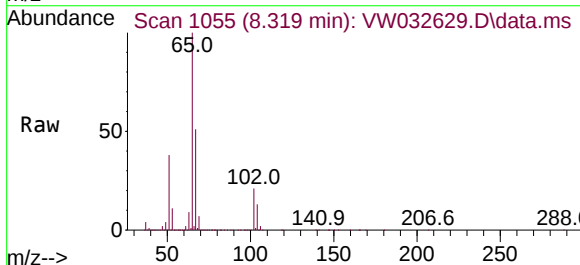
Instrument :
MSVOA_W
ClientSampleId :
TP-4

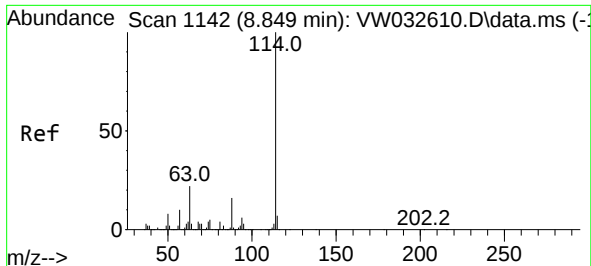
Tgt Ion:168 Resp: 446893
Ion Ratio Lower Upper
168 100
99 65.7 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 58.708 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Tgt Ion: 65 Resp: 417019
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.6

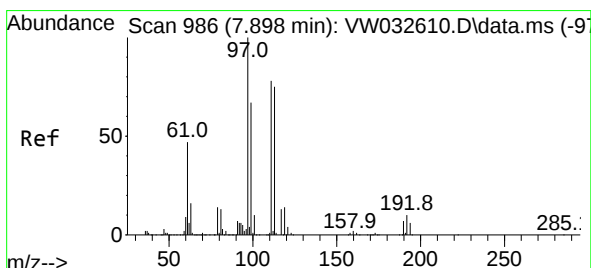
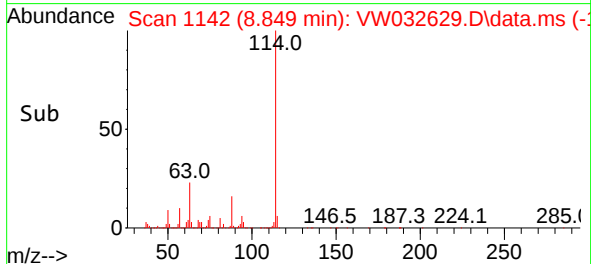
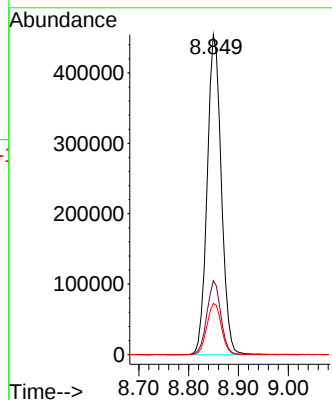
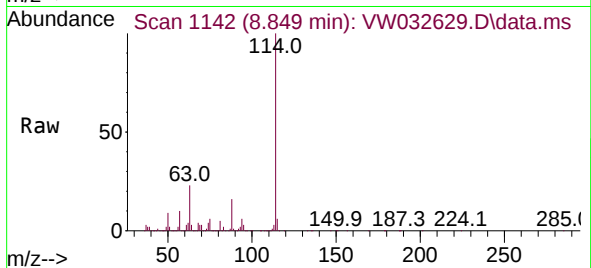




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

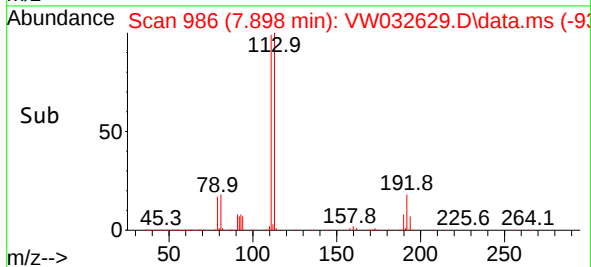
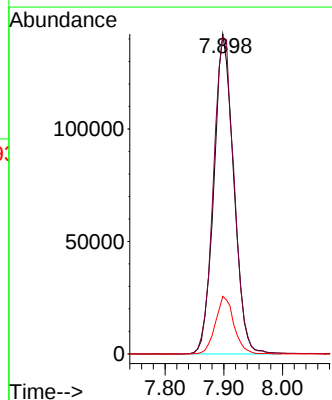
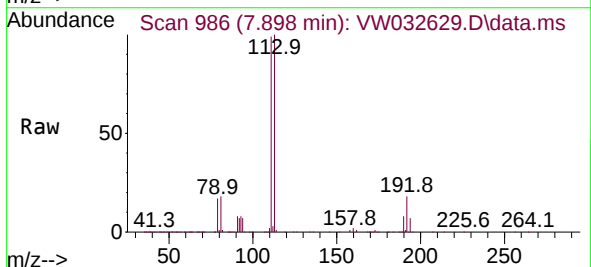
Instrument :
MSVOA_W
ClientSampleId :
TP-4

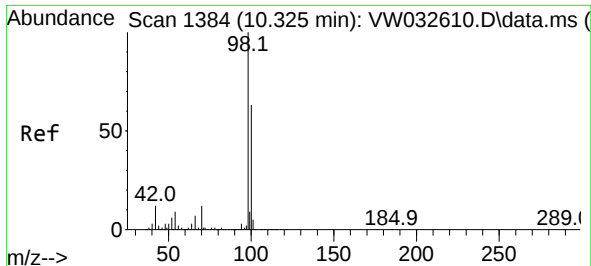
Tgt Ion:	114	Resp:	891925
Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	44.6
88	16.0	0.0	31.8



#35
Dibromofluoromethane
Concen: 52.271 ug/l
RT: 7.898 min Scan# 986
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Tgt Ion:	113	Resp:	333297
Ion	Ratio	Lower	Upper
113	100		
111	103.1	85.2	127.8
192	16.7	13.3	19.9

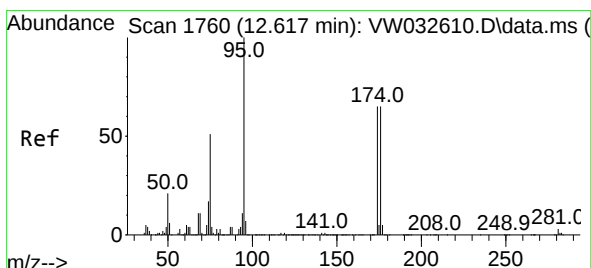
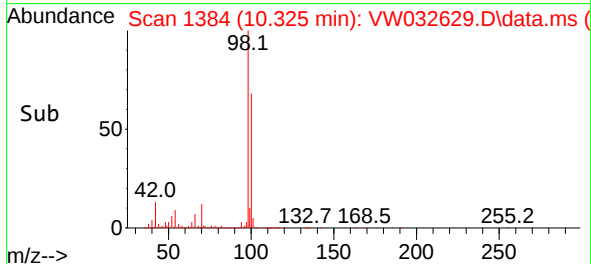
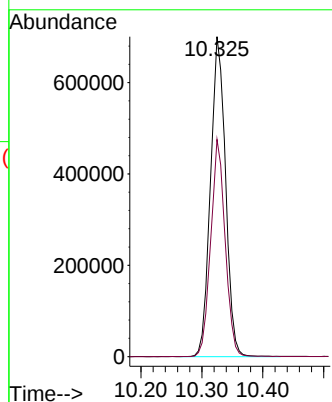
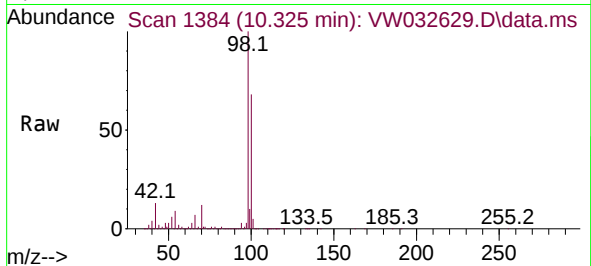




#50
Toluene-d8
Concen: 52.511 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

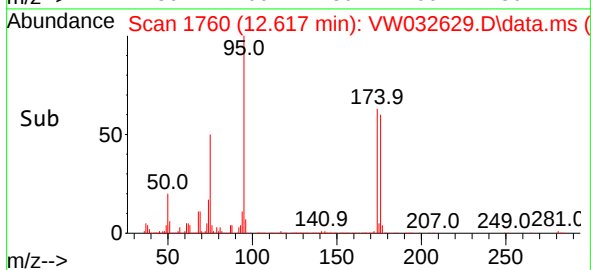
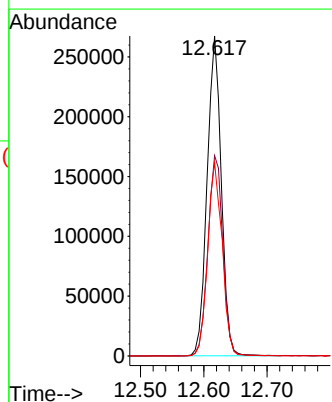
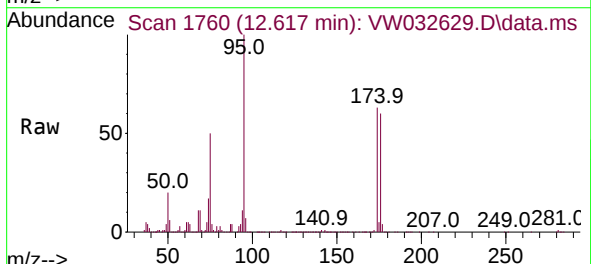
Instrument :
MSVOA_W
ClientSampleId :
TP-4

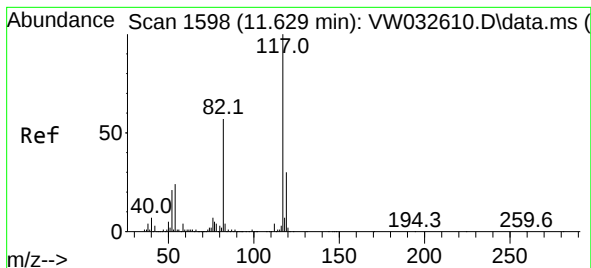
Tgt Ion: 98 Resp: 1201993
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 49.414 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Tgt Ion: 95 Resp: 415273
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.0
176 61.8 0.0 123.4

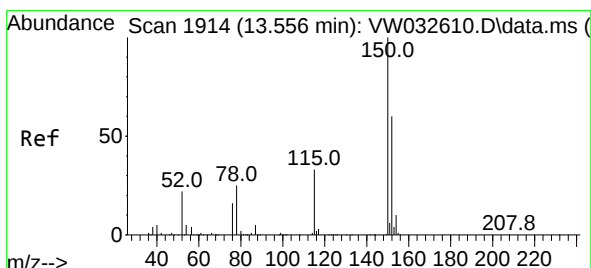
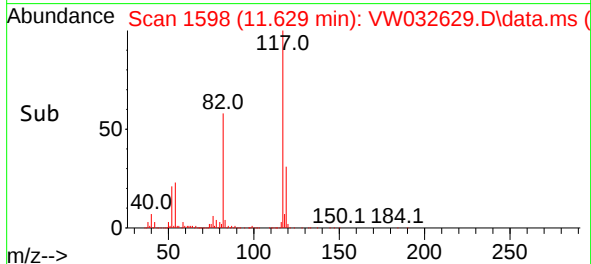
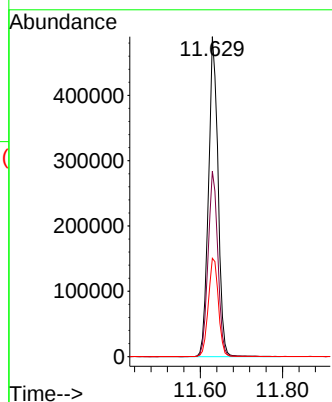
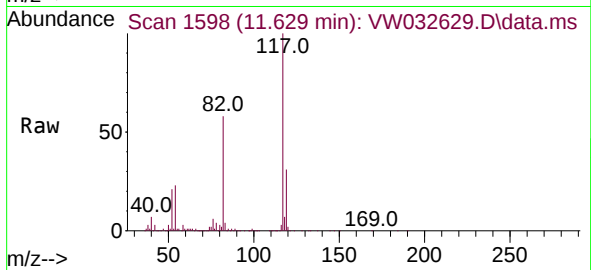




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032629.D
Acq: 11 Dec 2025 13:54

Instrument :
MSVOA_W
ClientSampleId :
TP-4

Tgt Ion:117 Resp: 788965
Ion Ratio Lower Upper
117 100
82 57.9 45.5 68.3
119 30.7 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: VW032629.D
Acq: 11 Dec 2025 13:54

Tgt Ion:152 Resp: 345758
Ion Ratio Lower Upper
152 100
115 64.9 33.8 101.3
150 157.0 0.0 369.4

