

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032630.D
 Acq On : 11 Dec 2025 14:16
 Operator : SY/MD
 Sample : Q3826-01
 Misc : 3.91g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-13

Quant Time: Dec 12 00:44:08 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	476100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	906477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	820426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	352212	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	454011	59.920	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	119.840%
35) Dibromofluoromethane	7.898	113	362821	55.754	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	111.500%
50) Toluene-d8	10.325	98	1299346	55.853	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	111.700%
62) 4-Bromofluorobenzene	12.617	95	459080	53.749	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	107.500%

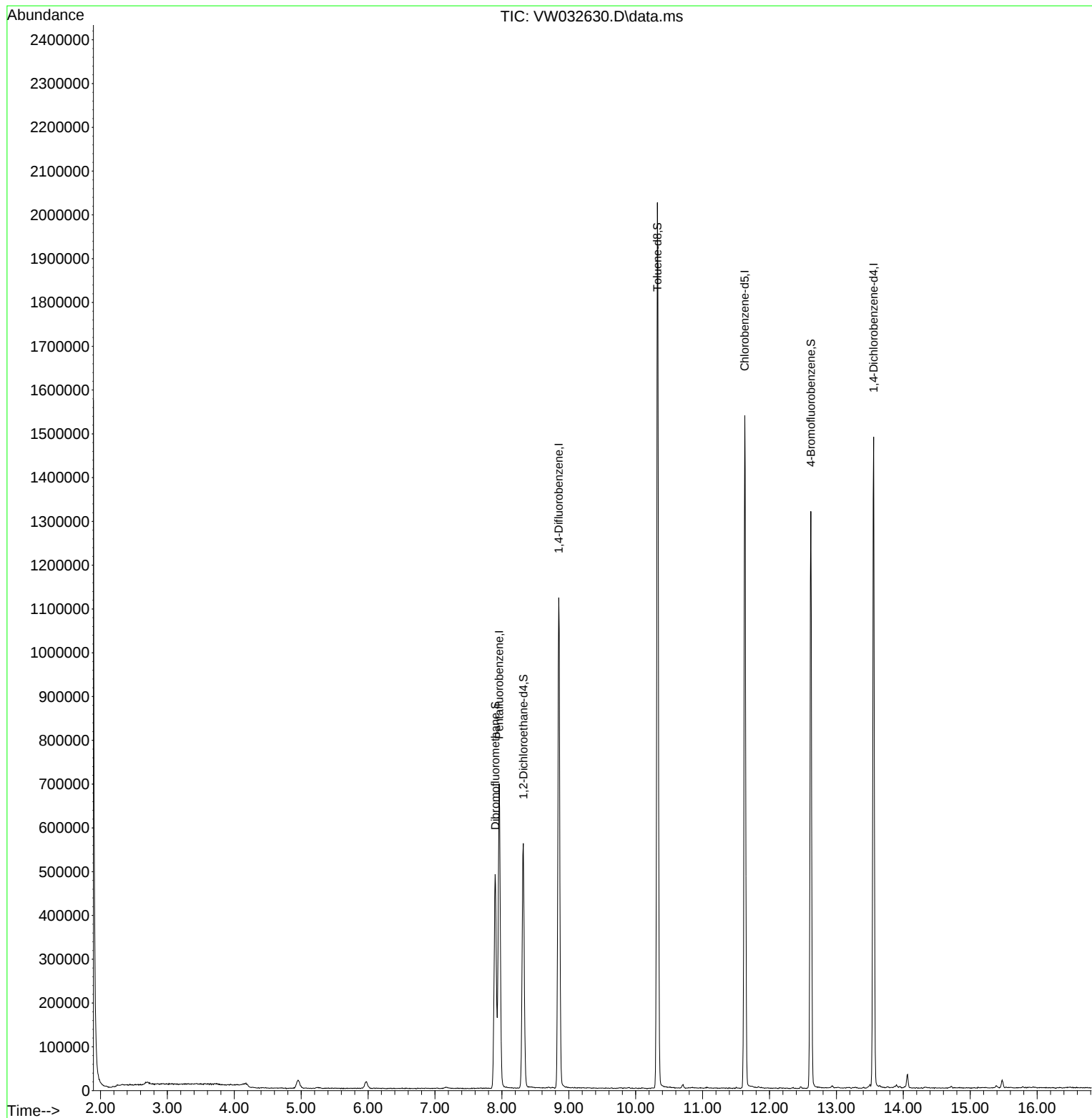
Target Compounds	Qvalue

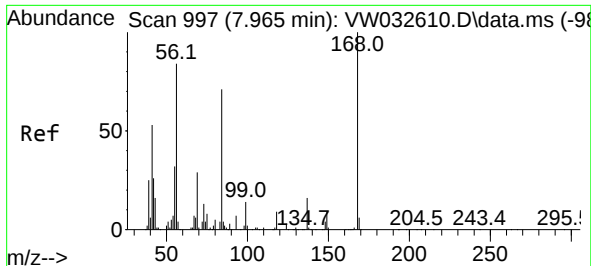
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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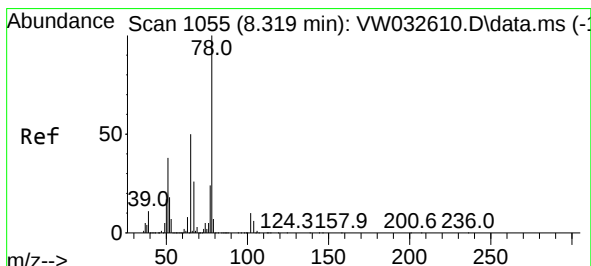
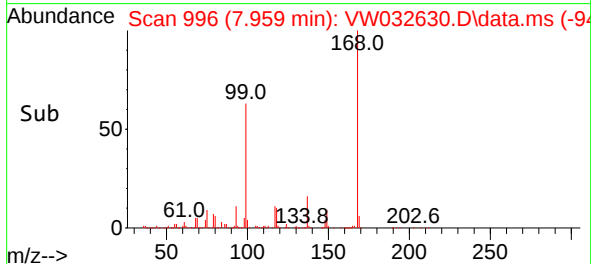
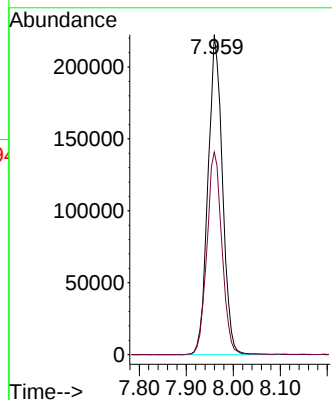
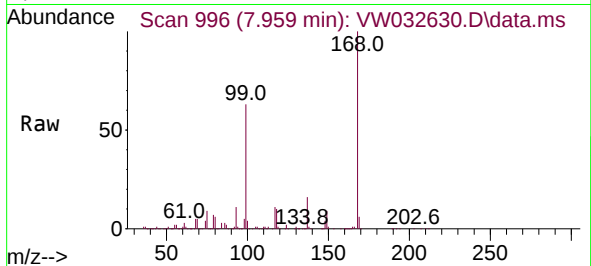




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032630.D
Acq: 11 Dec 2025 14:16

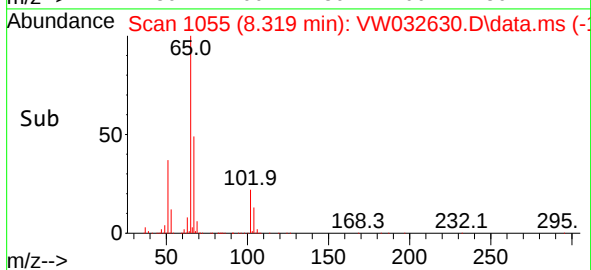
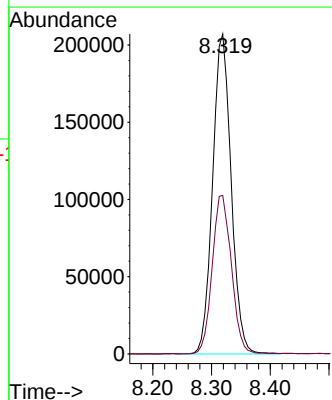
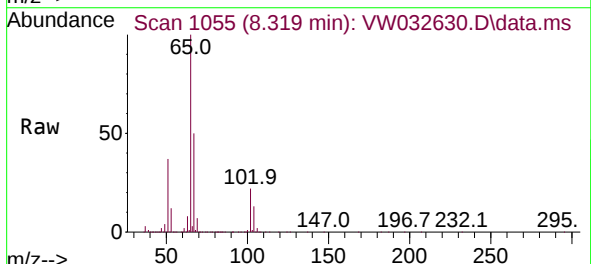
Instrument :
MSVOA_W
ClientSampleId :
TP-13

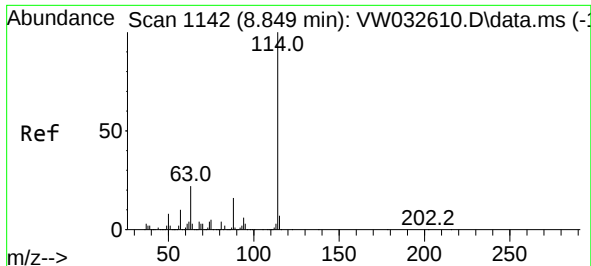
Tgt Ion:168 Resp: 476100
Ion Ratio Lower Upper
168 100
99 63.3 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 59.920 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032630.D
Acq: 11 Dec 2025 14:16

Tgt Ion: 65 Resp: 454011
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.6

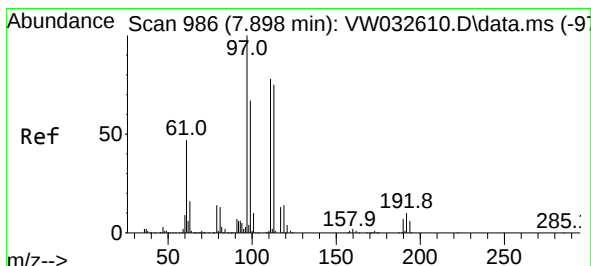
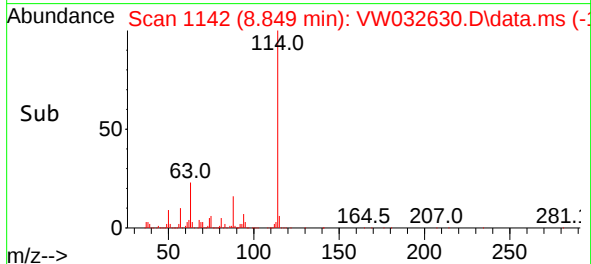
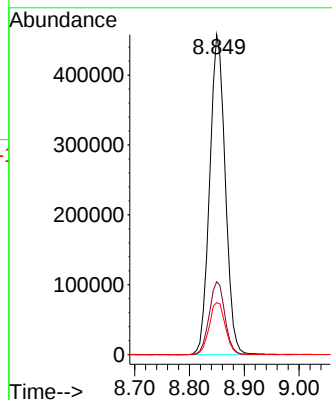
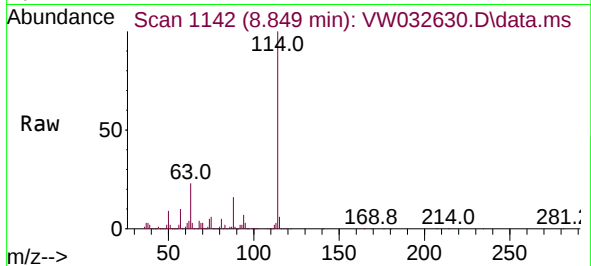




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032630.D
 Acq: 11 Dec 2025 14:16

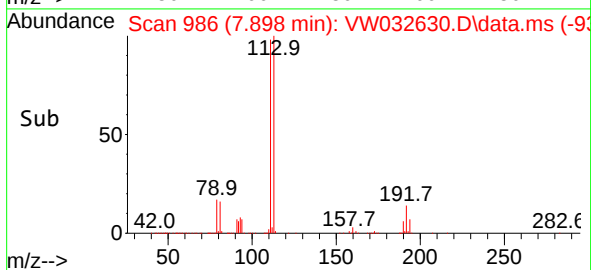
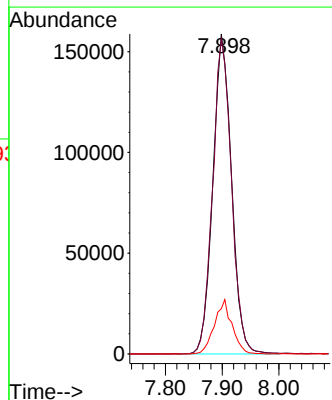
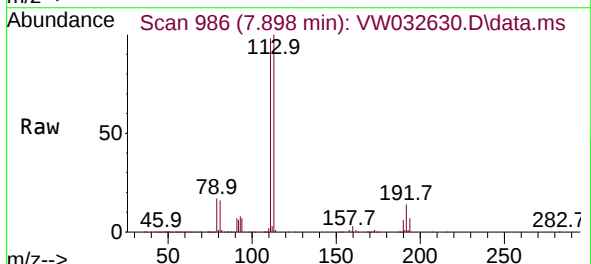
Instrument :
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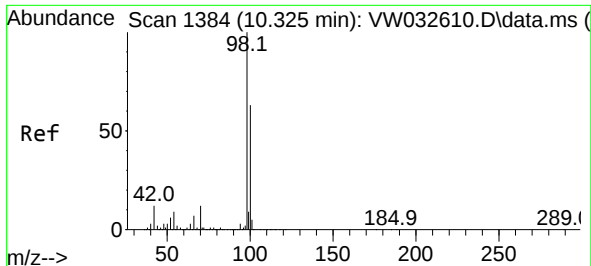
Tgt Ion:114 Resp: 906477
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.6
 88 16.2 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 55.754 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. 0.000 min
 Lab File: VW032630.D
 Acq: 11 Dec 2025 14:16

Tgt Ion:113 Resp: 362821
 Ion Ratio Lower Upper
 113 100
 111 99.8 85.2 127.8
 192 16.0 13.3 19.9

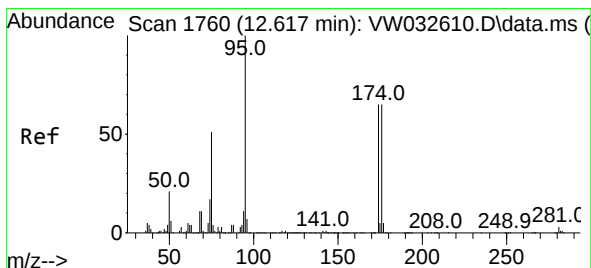
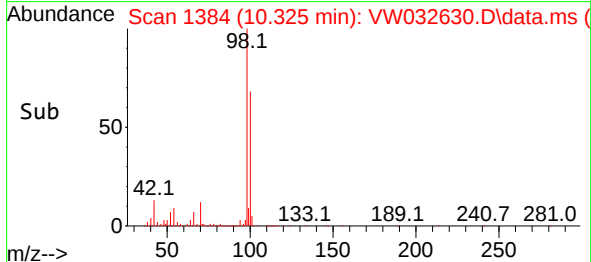
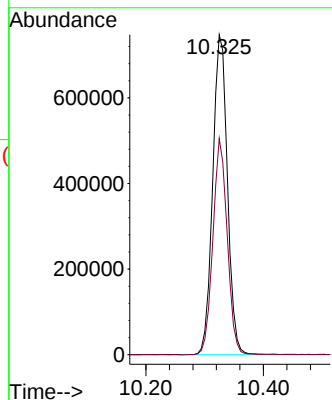
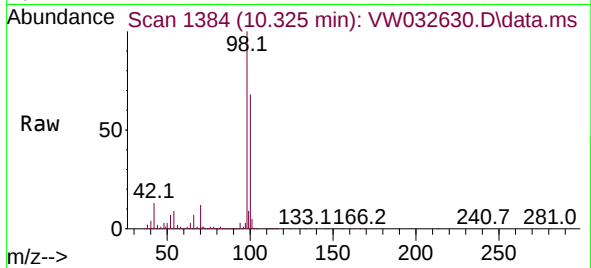




#50
Toluene-d8
Concen: 55.853 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032630.D
Acq: 11 Dec 2025 14:16

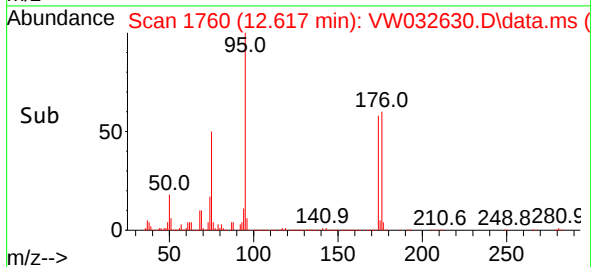
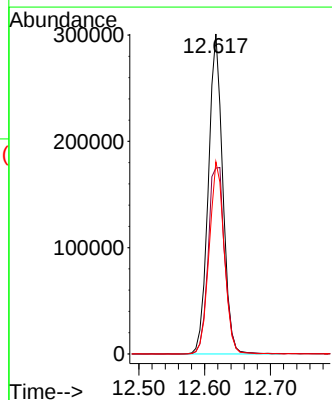
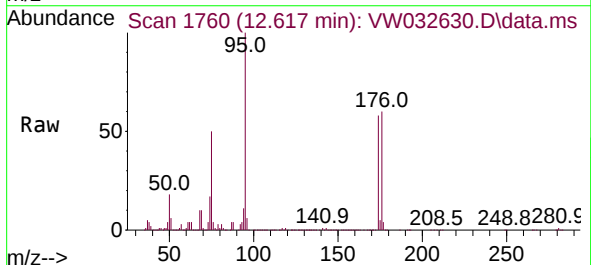
Instrument :
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TP-13

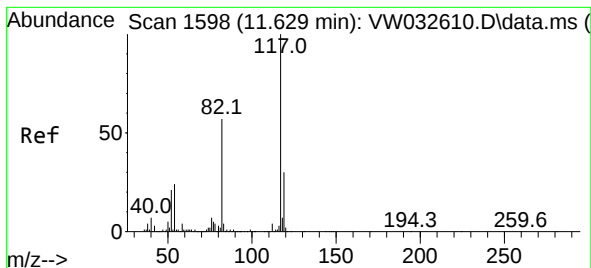
Tgt Ion: 98 Resp: 1299346
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 53.749 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032630.D
Acq: 11 Dec 2025 14:16

Tgt Ion: 95 Resp: 459080
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.0
176 62.3 0.0 123.4

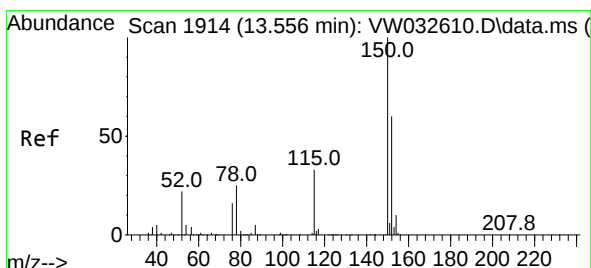
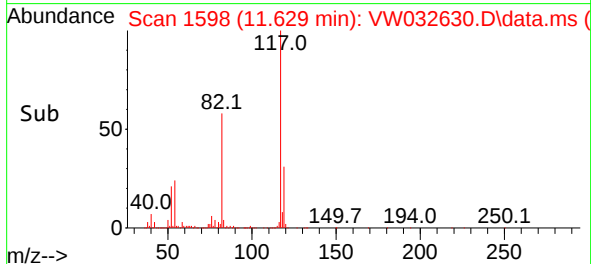
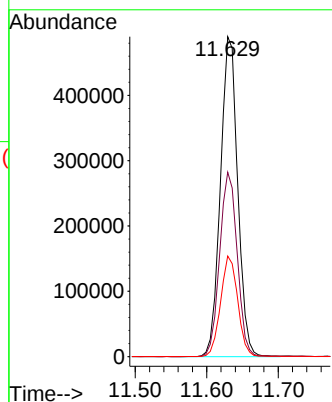
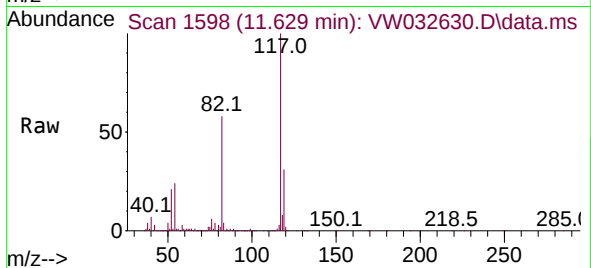




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032630.D
Acq: 11 Dec 2025 14:16

Instrument :
MSVOA_W
ClientSampleId :
TP-13

Tgt Ion:117 Resp: 820426
Ion Ratio Lower Upper
117 100
82 57.6 45.5 68.3
119 31.4 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: VW032630.D
Acq: 11 Dec 2025 14:16

Tgt Ion:152 Resp: 352212
Ion Ratio Lower Upper
152 100
115 65.6 33.8 101.3
150 164.5 0.0 369.4

