

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120525\
 Data File : VW032576.D
 Acq On : 05 Dec 2025 13:45
 Operator : SY/MD
 Sample : Q3748-02
 Misc : 5.19g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-12-1-2025

Quant Time: Dec 05 23:01:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

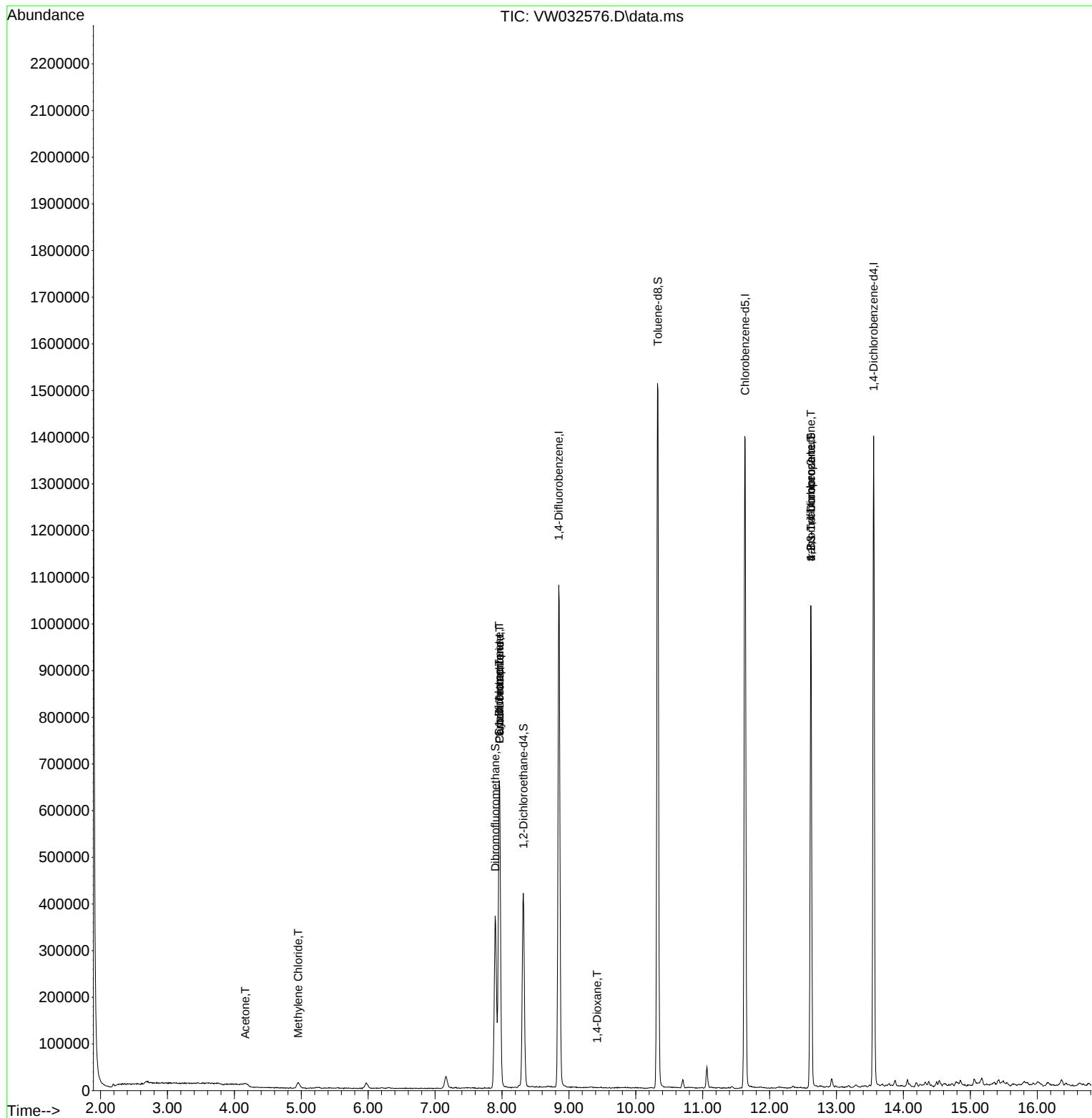
Internal Standards						
1) Pentafluorobenzene	7.965	168	479289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	893160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	774014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	338844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	345040	48.374	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	96.740%	
35) Dibromofluoromethane	7.898	113	268579	45.695	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	91.400%	
50) Toluene-d8	10.331	98	1025917	46.387	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	92.780%	
62) 4-Bromofluorobenzene	12.617	95	358714	43.900	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	87.800%	
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	5105	2.290	ug/l #	80
20) Methylene Chloride	4.954	84	9265	1.162	ug/l	93
31) Cyclohexane	7.959	56	12623	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	45134	5.034	ug/l #	50
38) Carbon Tetrachloride	7.965	117	50718	6.089	ug/l #	17
49) 1,4-Dioxane	9.422	88	75	1.530	ug/l #	69
76) 1,2,3-Trichloropropane	12.617	75	182166	39.730	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	182166	93.445	ug/l #	10

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

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Response via : Initial Calibration

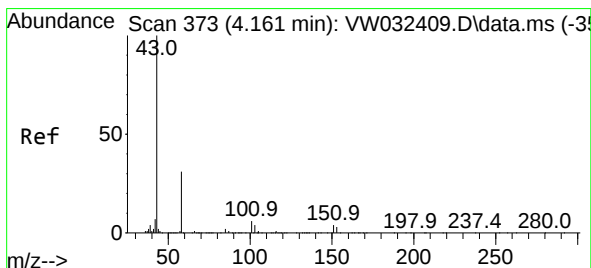
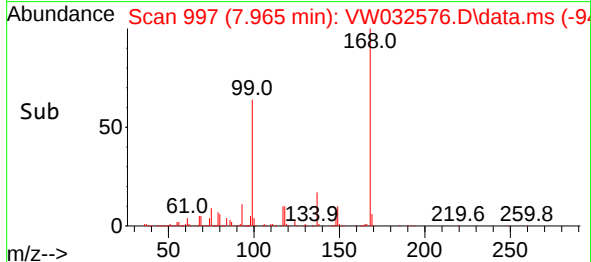
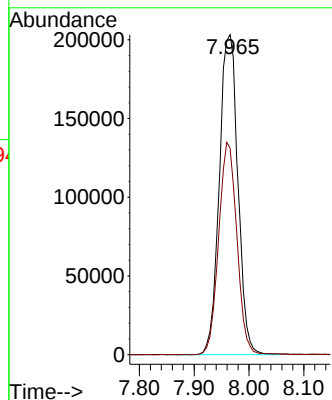
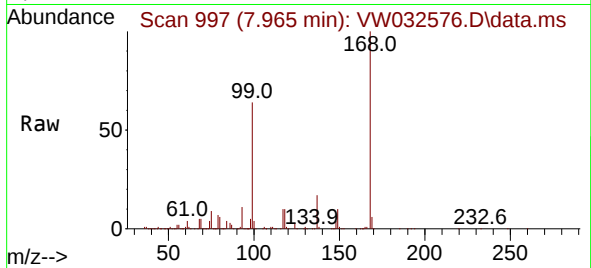




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032576.D
Acq: 05 Dec 2025 13:45

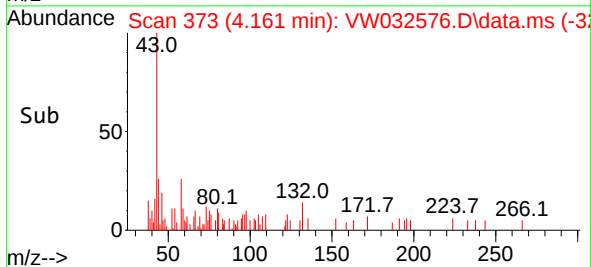
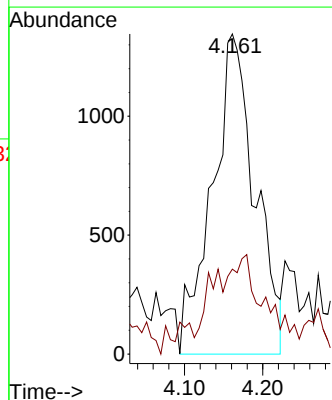
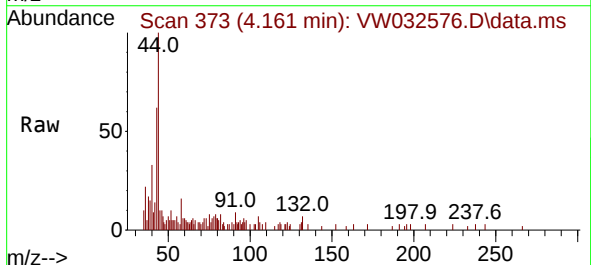
Instrument :
MSVOA_W
ClientSampleId :
AU-05-12-1-2025

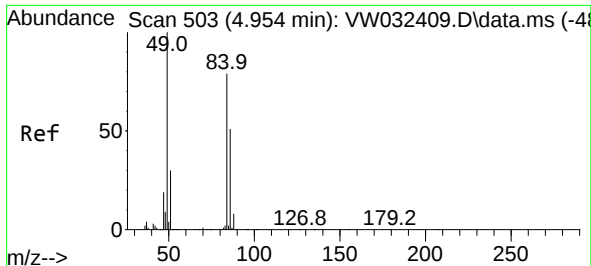
Tgt Ion:168 Resp: 479289
Ion Ratio Lower Upper
168 100
99 64.5 51.8 77.8



#16
Acetone
Concen: 2.290 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032576.D
Acq: 05 Dec 2025 13:45

Tgt Ion: 43 Resp: 5105
Ion Ratio Lower Upper
43 100
58 18.8 23.5 35.3#

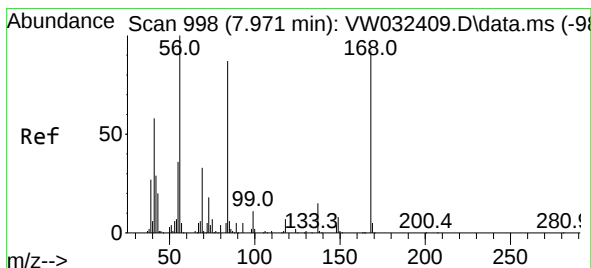
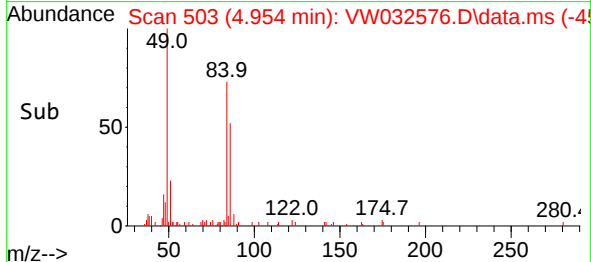
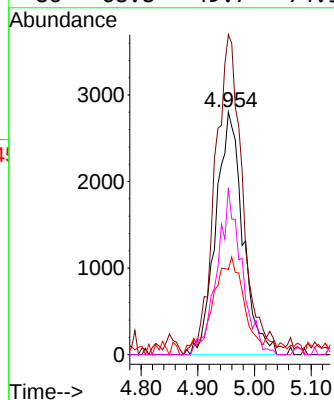
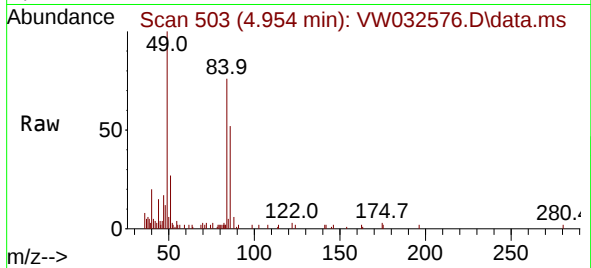




#20
Methylene Chloride
Concen: 1.162 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032576.D
Acq: 05 Dec 2025 13:45

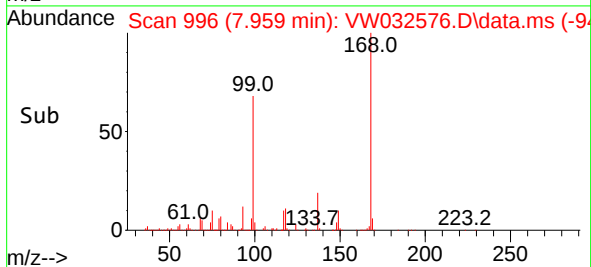
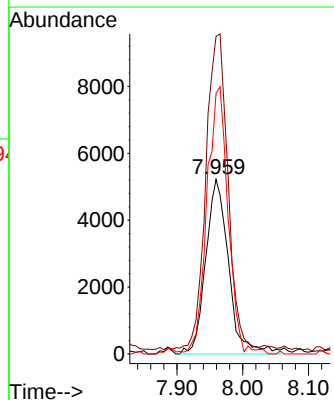
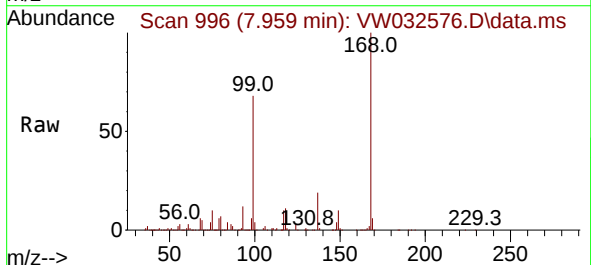
Instrument :
MSVOA_W
ClientSampleId :
AU-05-12-1-2025

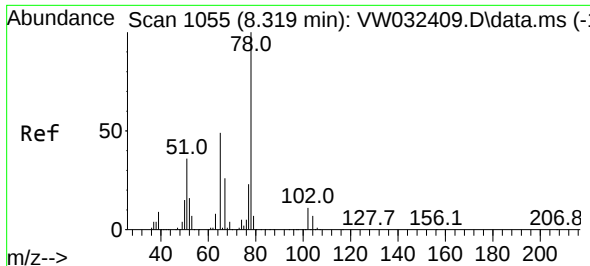
Tgt Ion:	84	Resp:	9265
Ion	Ratio	Lower	Upper
84	100		
49	129.6	107.6	161.4
51	35.1	33.9	50.9
86	68.8	49.7	74.5



#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032576.D
Acq: 05 Dec 2025 13:45

Tgt Ion:	56	Resp:	12623
Ion	Ratio	Lower	Upper
56	100		
69	182.0	27.3	40.9#
84	150.5	67.5	101.3#

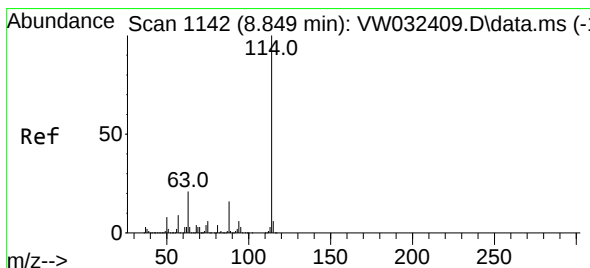
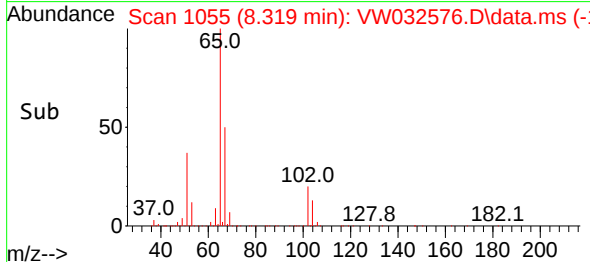
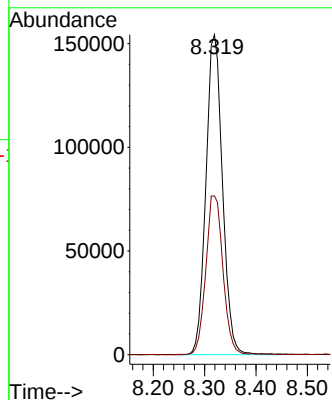
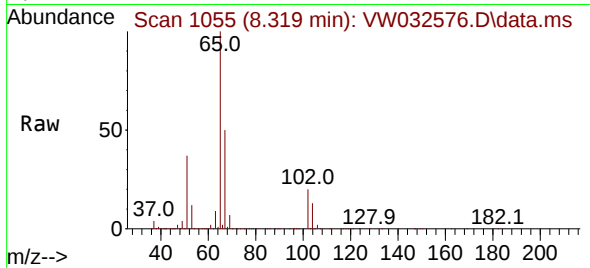




#33
 1,2-Dichloroethane-d4
 Concen: 48.374 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032576.D
 Acq: 05 Dec 2025 13:45

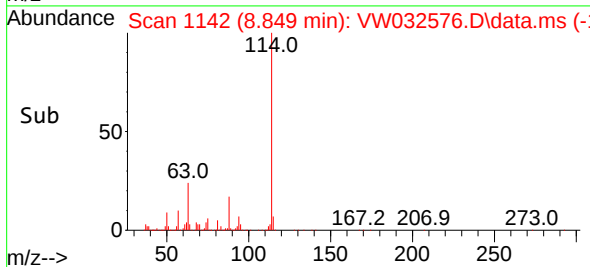
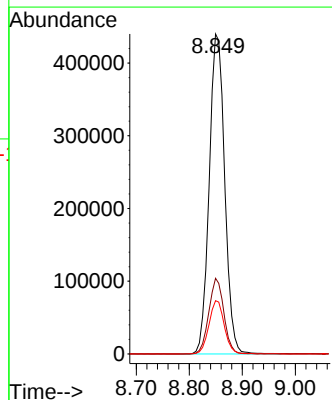
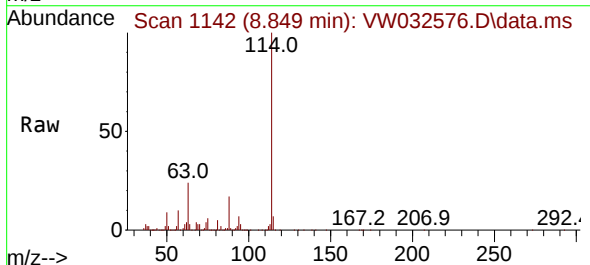
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-12-1-2025

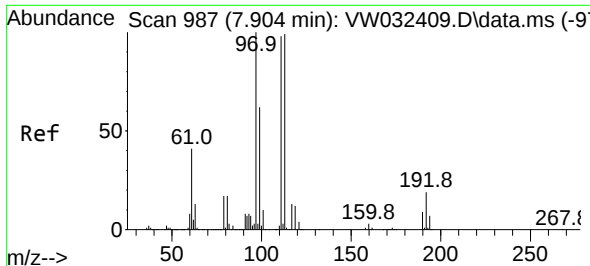
Tgt Ion: 65 Resp: 345040
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032576.D
 Acq: 05 Dec 2025 13:45

Tgt Ion: 114 Resp: 893160
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 40.6
 88 16.6 0.0 31.2

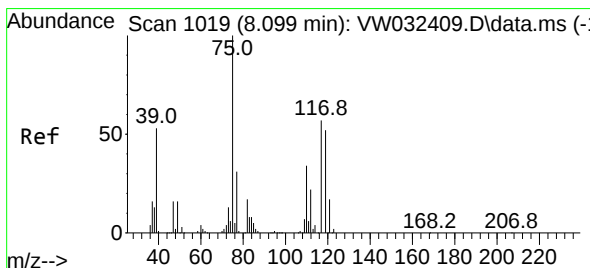
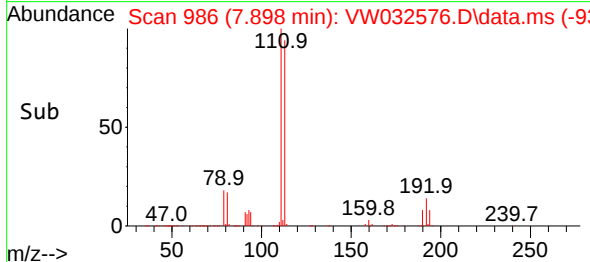
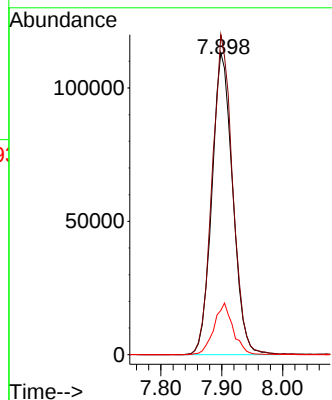
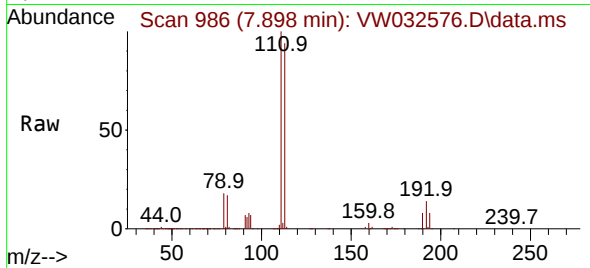




#35
 Dibromofluoromethane
 Concen: 45.695 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032576.D
 Acq: 05 Dec 2025 13:45

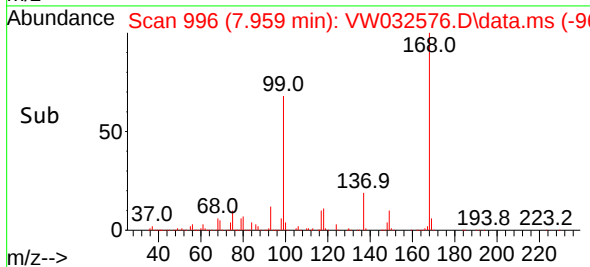
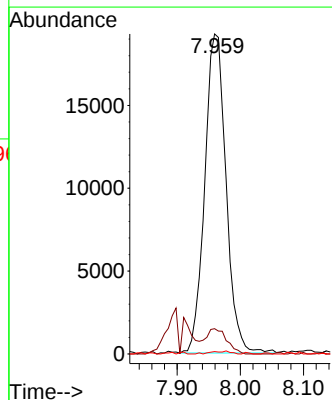
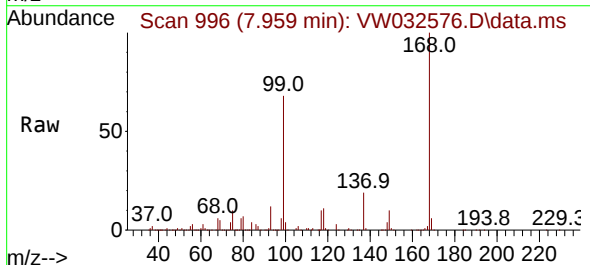
Instrument :
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 ClientSampleId :
 AU-05-12-1-2025

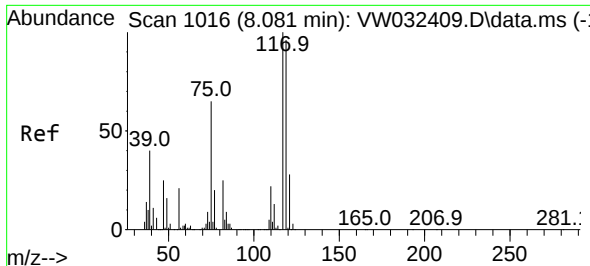
Tgt Ion:113 Resp: 268579
 Ion Ratio Lower Upper
 113 100
 111 104.6 83.4 125.0
 192 15.8 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 5.034 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW032576.D
 Acq: 05 Dec 2025 13:45

Tgt Ion: 75 Resp: 45134
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.9 50.6#
 77 0.8 24.6 37.0#

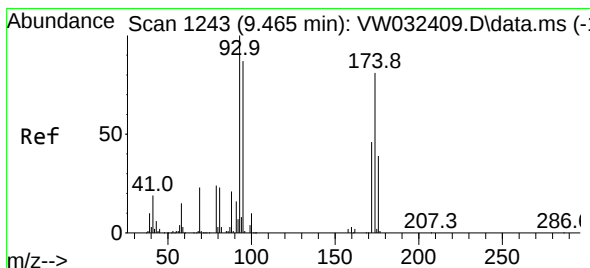
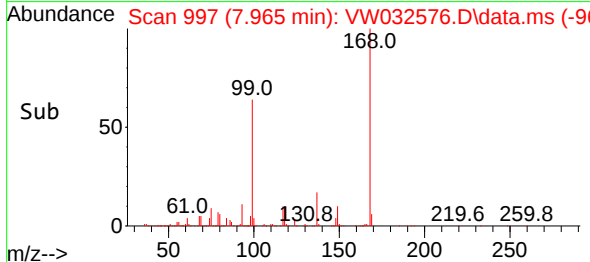
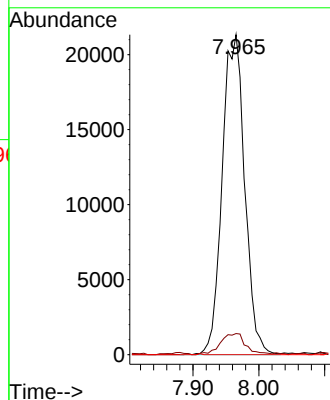
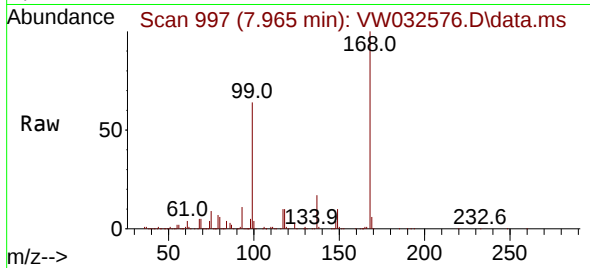




#38
Carbon Tetrachloride
Concen: 6.089 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW032576.D
Acq: 05 Dec 2025 13:45

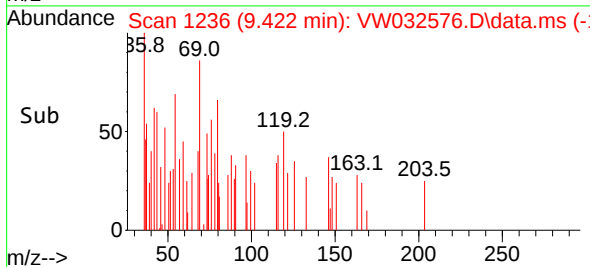
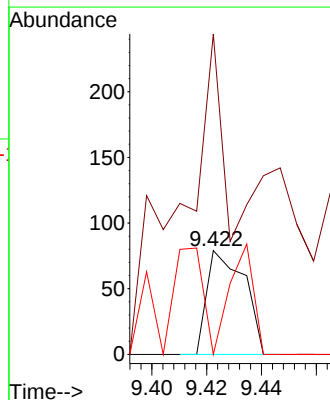
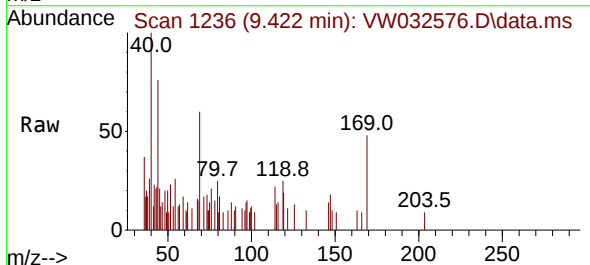
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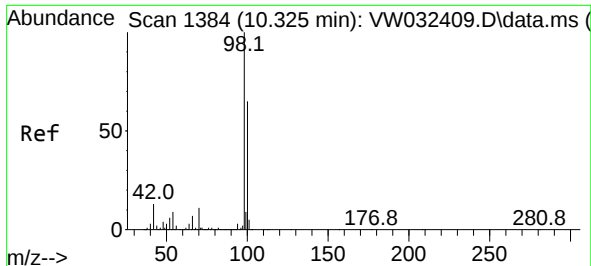
Tgt Ion:117 Resp: 50718
Ion Ratio Lower Upper
117 100
119 6.3 76.9 115.3#
121 0.0 25.4 38.2#



#49
1,4-Dioxane
Concen: 1.530 ug/l
RT: 9.422 min Scan# 1236
Delta R.T. -0.037 min
Lab File: VW032576.D
Acq: 05 Dec 2025 13:45

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 430.7 0.0 0.0#
58 109.3 65.2 97.8#

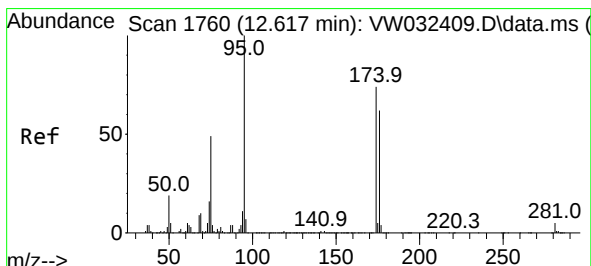
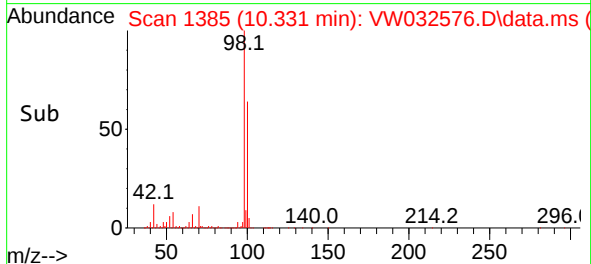
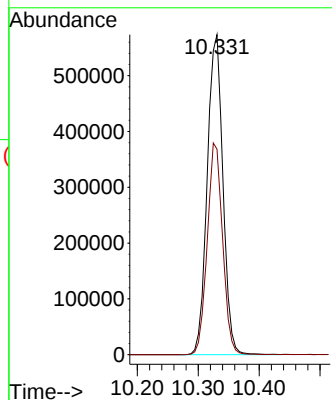
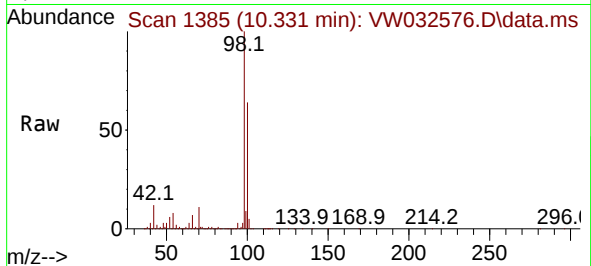




#50
Toluene-d8
Concen: 46.387 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032576.D
Acq: 05 Dec 2025 13:45

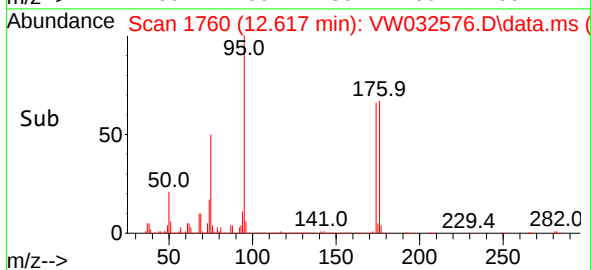
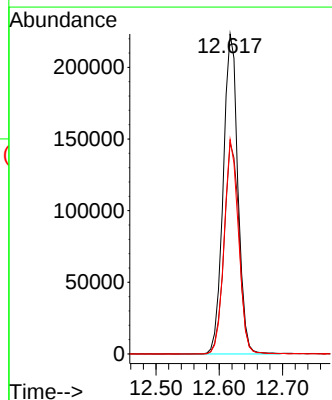
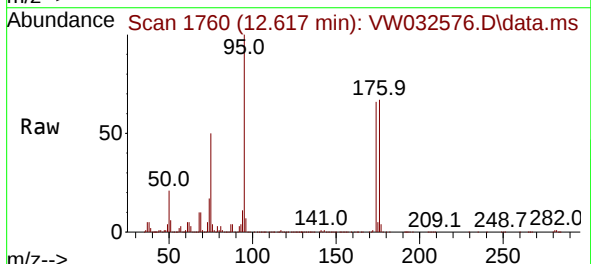
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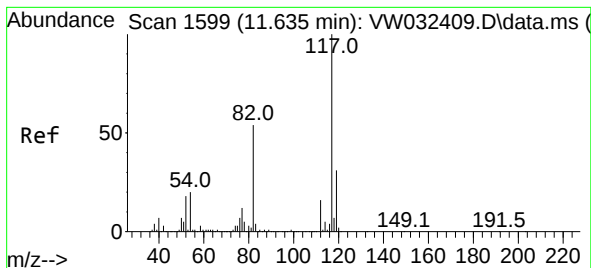
Tgt Ion: 98 Resp: 1025917
Ion Ratio Lower Upper
98 100
100 64.7 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 43.900 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032576.D
Acq: 05 Dec 2025 13:45

Tgt Ion: 95 Resp: 358714
Ion Ratio Lower Upper
95 100
174 66.9 0.0 141.2
176 65.5 0.0 130.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032576.D

Acq: 05 Dec 2025 13:45

Instrument :

MSVOA_W

ClientSampleId :

AU-05-12-1-2025

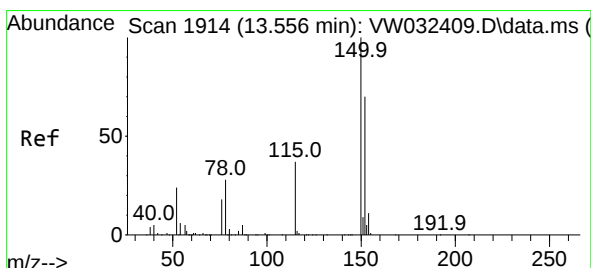
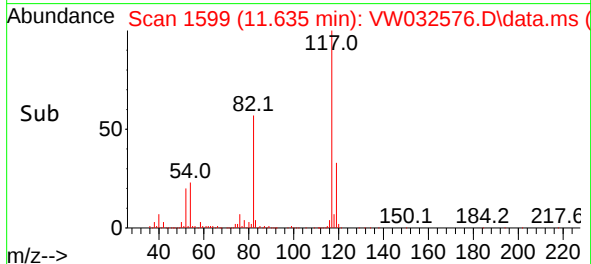
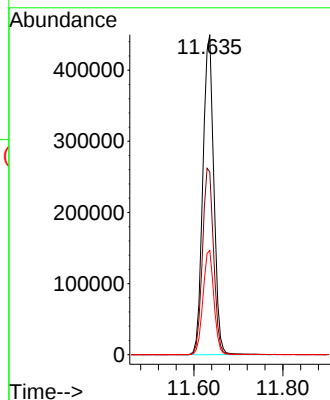
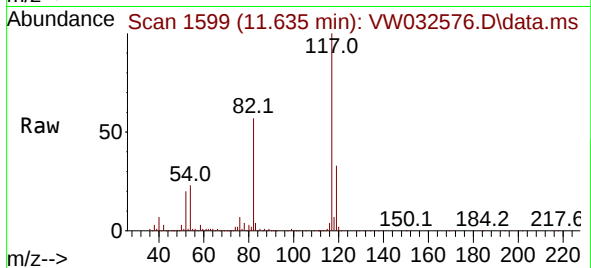
Tgt Ion:117 Resp: 774014

Ion Ratio Lower Upper

117 100

82 57.1 45.9 68.9

119 32.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032576.D

Acq: 05 Dec 2025 13:45

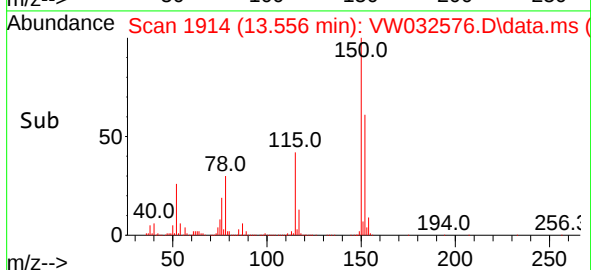
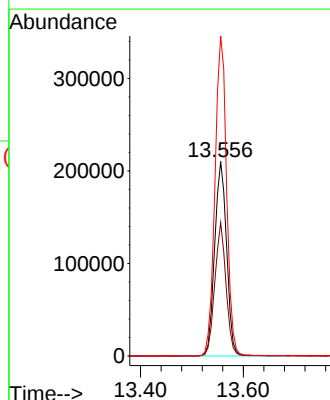
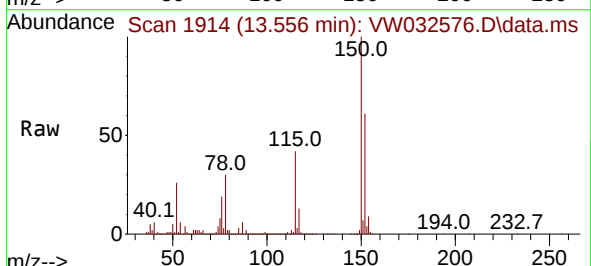
Tgt Ion:152 Resp: 338844

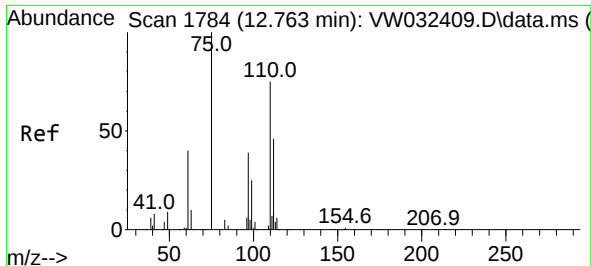
Ion Ratio Lower Upper

152 100

115 64.5 31.1 93.3

150 160.2 0.0 351.2

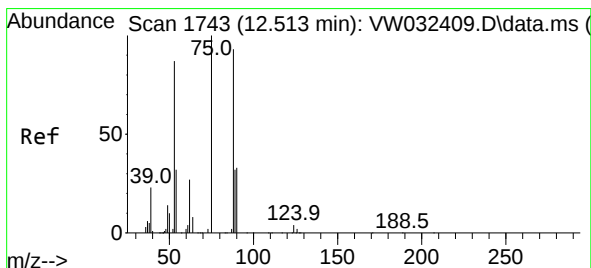
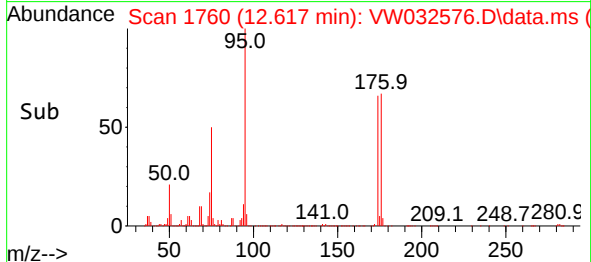
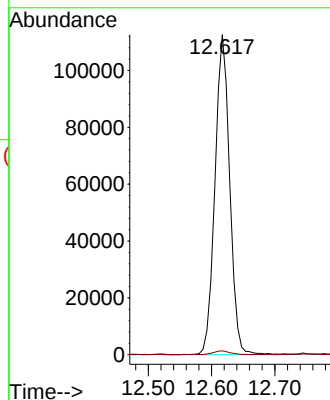
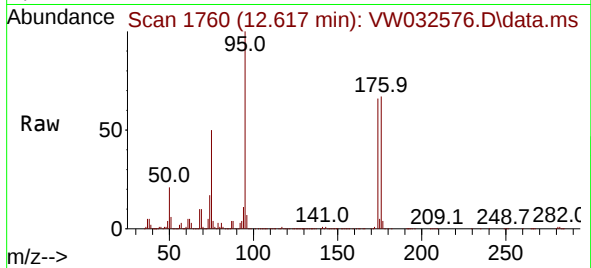




#76
1,2,3-Trichloropropane
Concen: 39.730 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032576.D
Acq: 05 Dec 2025 13:45

Instrument :
MSVOA_W
ClientSampleId :
AU-05-12-1-2025

Tgt Ion: 75 Resp: 182166
Ion Ratio Lower Upper
75 100
77 1.3 148.2 444.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.445 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032576.D
Acq: 05 Dec 2025 13:45

Tgt Ion: 75 Resp: 182166
Ion Ratio Lower Upper
75 100
53 0.4 80.8 121.2#
89 0.0 31.4 47.2#

