

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032075.D
 Acq On : 11 Aug 2025 18:25
 Operator : SY/MD
 Sample : Q2819-05
 Misc : 6.21g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 11M-W

Quant Time: Aug 12 04:29:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	160482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	347658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	344119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	158417	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	137449	59.219	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	118.440%
35) Dibromofluoromethane	7.904	113	121861	54.257	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	108.520%
50) Toluene-d8	10.331	98	438005	52.725	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.460%
62) 4-Bromofluorobenzene	12.617	95	175755	57.411	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	114.820%

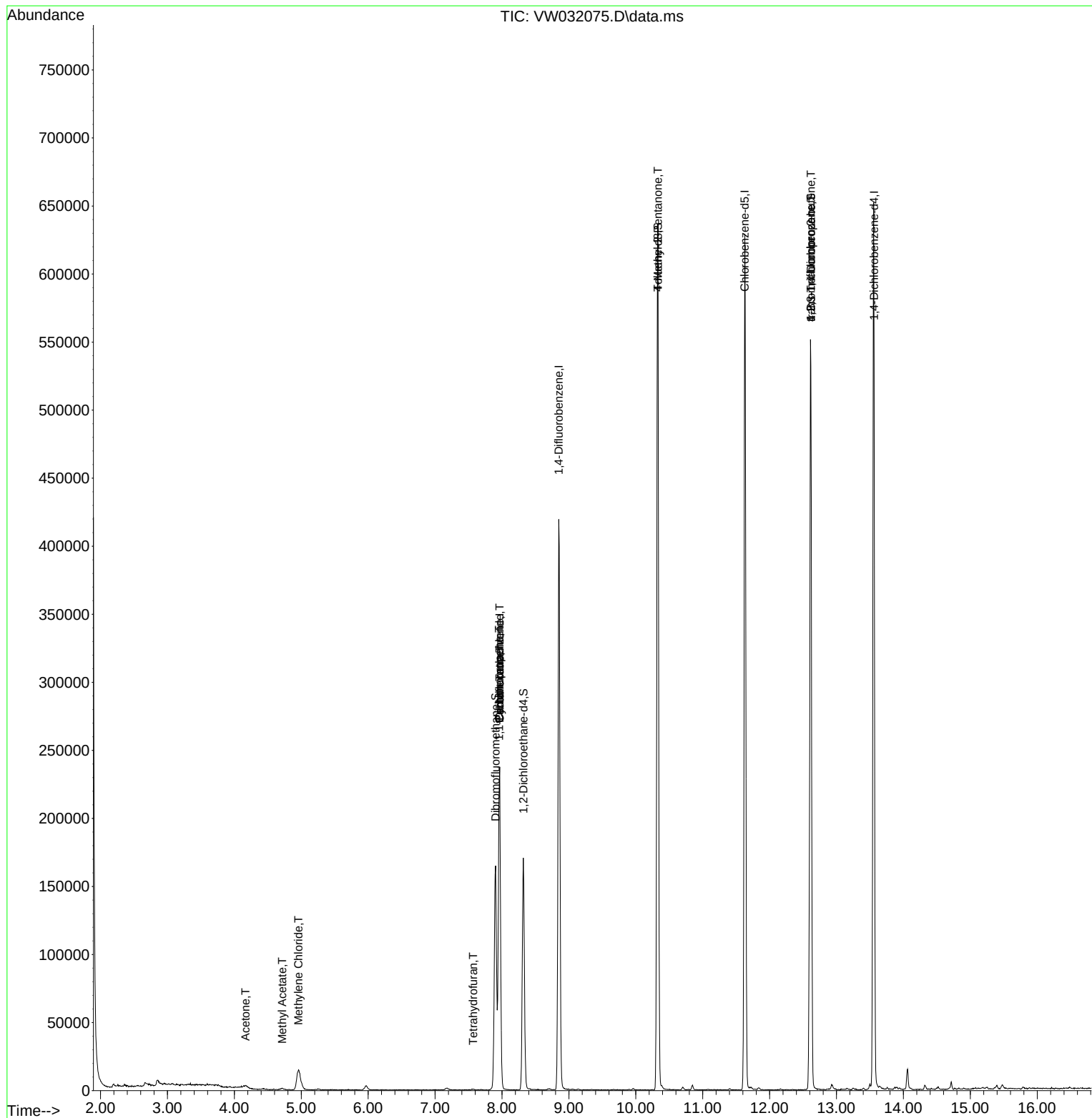
Target Compounds					Qvalue	
16) Acetone	4.167	43	2812	5.233	ug/l	94
18) Methyl Acetate	4.716	43	2465	1.450	ug/l #	89
20) Methylene Chloride	4.960	84	13996	5.633	ug/l	91
29) Tetrahydrofuran	7.569	42	510	1.013	ug/l #	57
31) Cyclohexane	7.965	56	4110	1.243	ug/l #	4
36) 1,1-Dichloropropene	7.959	75	15228	4.809	ug/l #	50
38) Carbon Tetrachloride	7.965	117	18797	6.152	ug/l #	19
51) 4-Methyl-2-Pentanone	10.331	43	1957	1.011	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	90326	42.010	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	90326	108.761	ug/l #	10

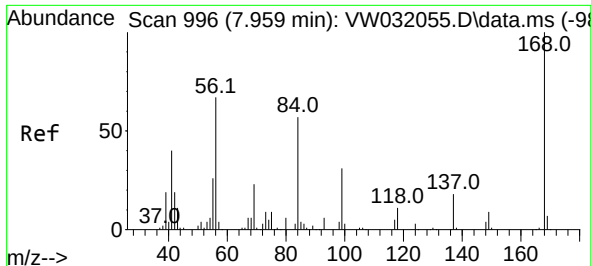
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
Data File : VW032075.D
Acq On : 11 Aug 2025 18:25
Operator : SY/MD
Sample : Q2819-05
Misc : 6.21g/5mL/MSVOA_W/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
11M-W

Quant Time: Aug 12 04:29:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

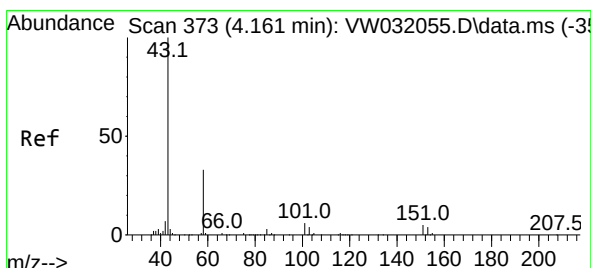
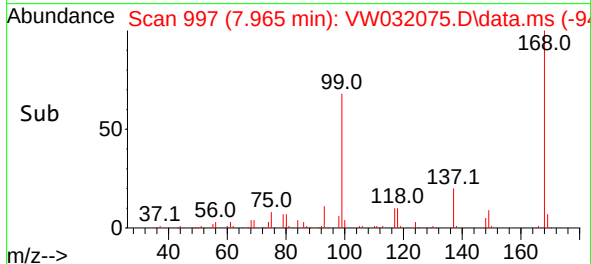
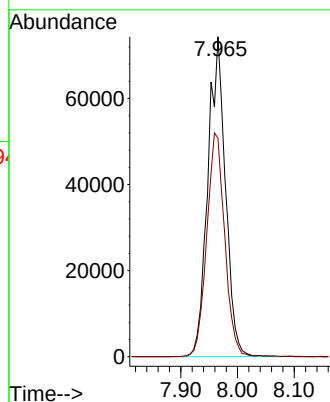
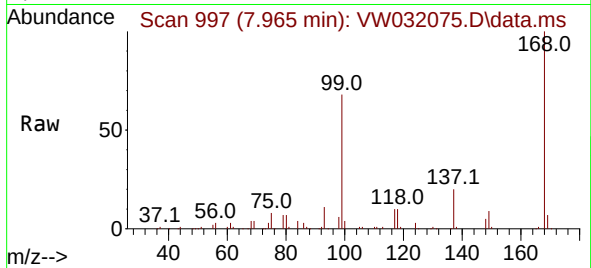




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

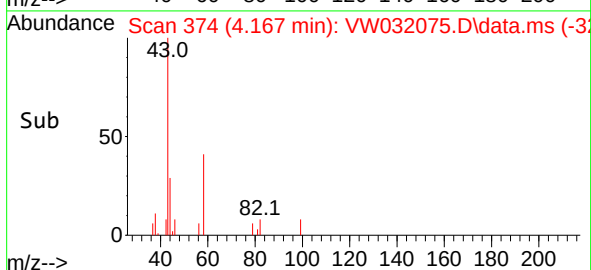
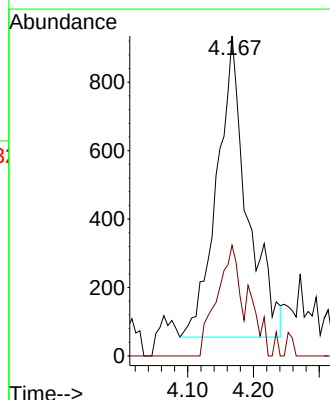
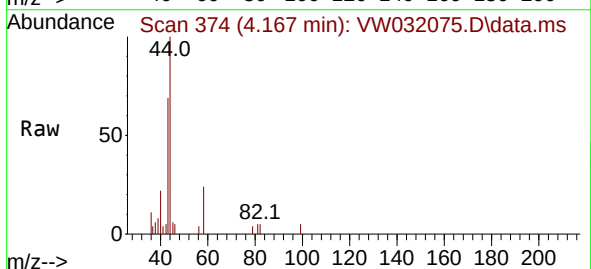
Instrument :
MSVOA_W
ClientSampleId :
11M-W

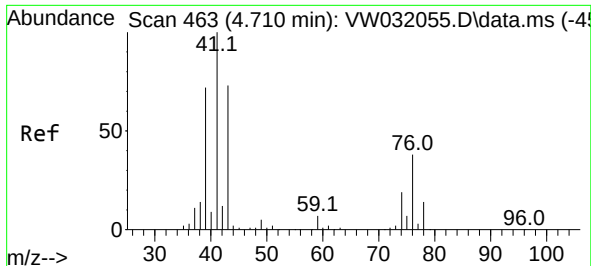
Tgt Ion:168 Resp: 160482
Ion Ratio Lower Upper
168 100
99 68.2 56.0 84.0



#16
Acetone
Concen: 5.233 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Tgt Ion: 43 Resp: 2812
Ion Ratio Lower Upper
43 100
58 36.7 26.6 39.8

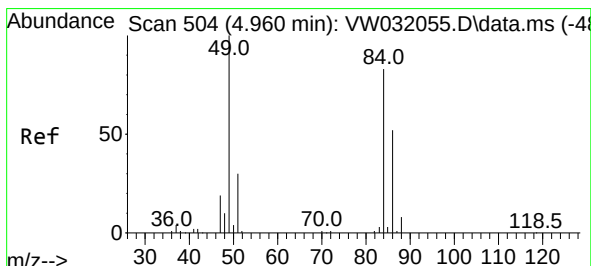
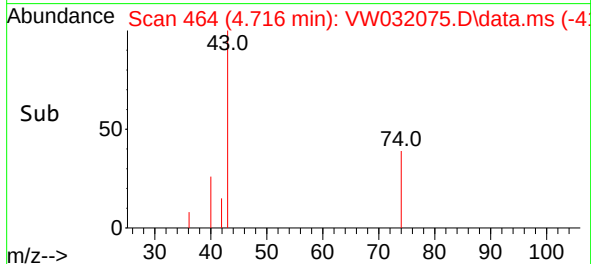
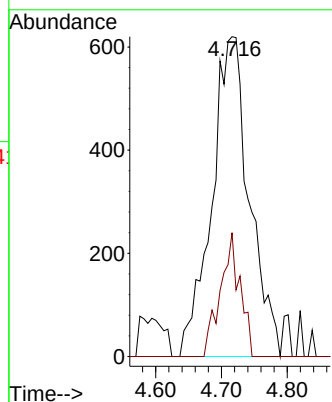
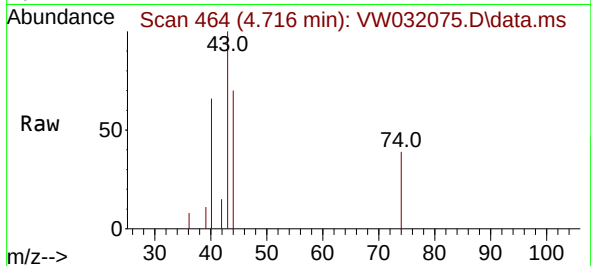




#18
Methyl Acetate
Concen: 1.450 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

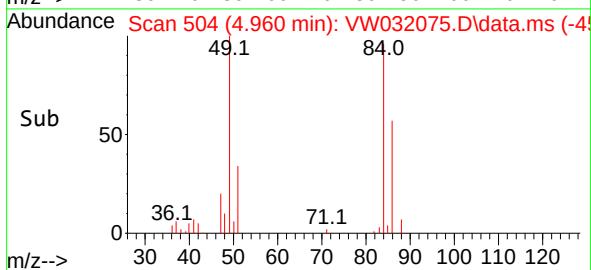
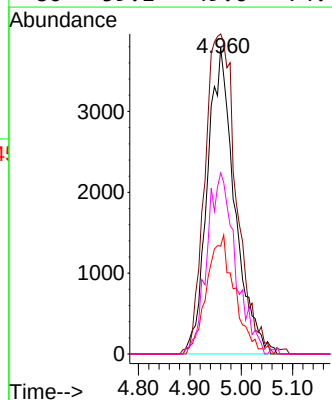
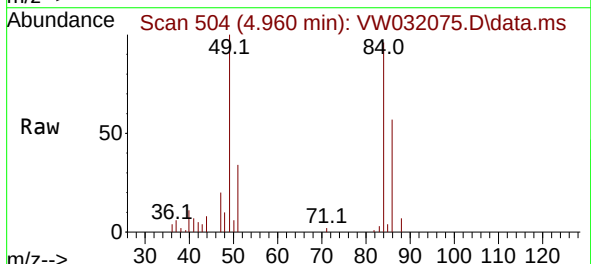
Instrument :
MSVOA_W
ClientSampleId :
11M-W

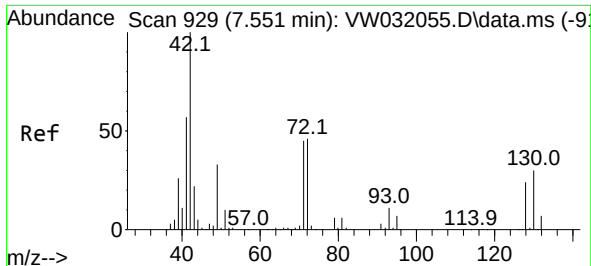
Tgt Ion: 43 Resp: 2465
Ion Ratio Lower Upper
43 100
74 20.3 20.6 31.0#



#20
Methylene Chloride
Concen: 5.633 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.000 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Tgt Ion: 84 Resp: 13996
Ion Ratio Lower Upper
84 100
49 104.5 95.9 143.9
51 35.2 28.6 43.0
86 59.1 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.013 ug/l

RT: 7.569 min Scan# 91

Delta R.T. 0.018 min

Lab File: VW032075.D

Acq: 11 Aug 2025 18:25

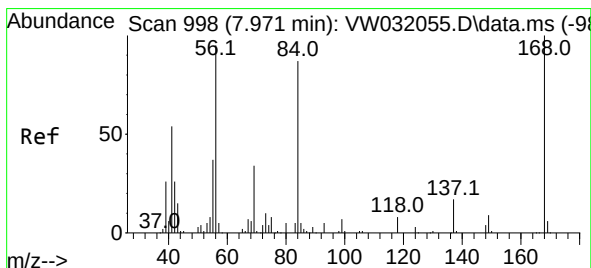
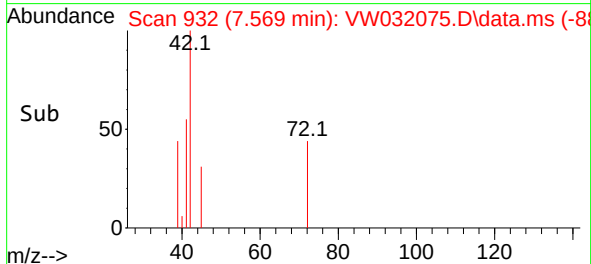
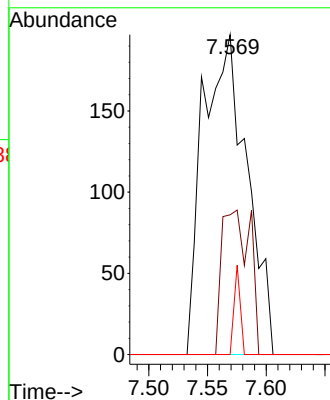
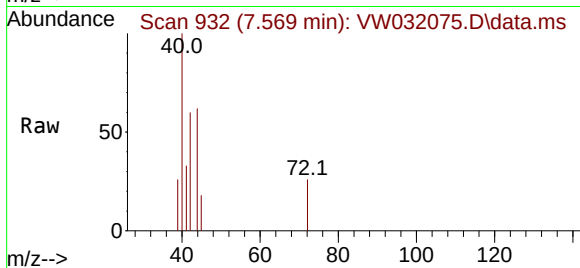
Instrument :

MSVOA_W

ClientSampleId :

11M-W

Tgt Ion:	42	Resp:	510
Ion	Ratio	Lower	Upper
42	100		
72	29.0	36.6	55.0#
71	3.9	34.7	52.1#



#31

Cyclohexane

Concen: 1.243 ug/l

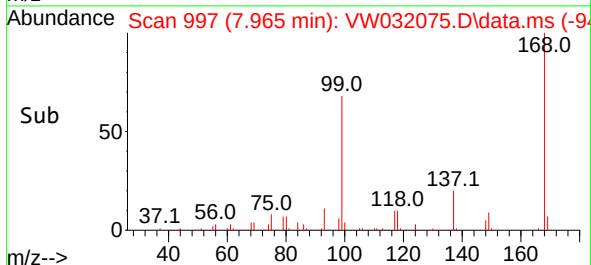
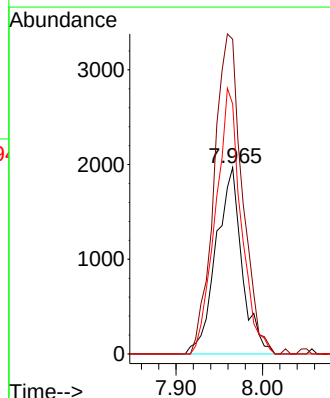
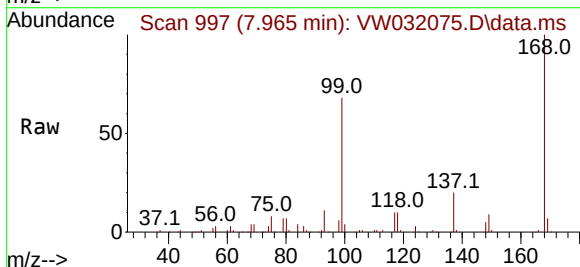
RT: 7.965 min Scan# 997

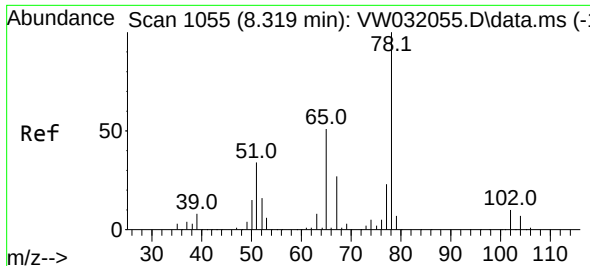
Delta R.T. -0.006 min

Lab File: VW032075.D

Acq: 11 Aug 2025 18:25

Tgt Ion:	56	Resp:	4110
Ion	Ratio	Lower	Upper
56	100		
69	168.8	28.6	42.8#
84	134.0	73.0	109.4#

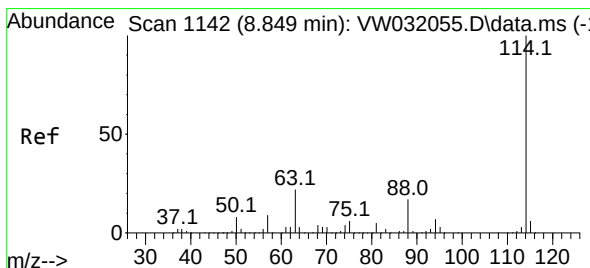
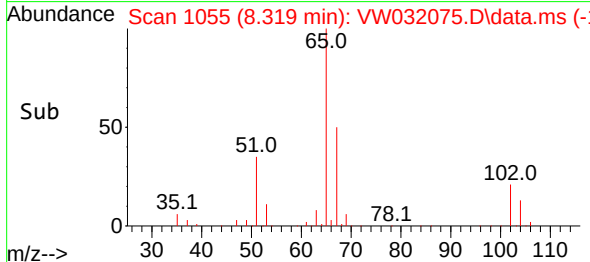
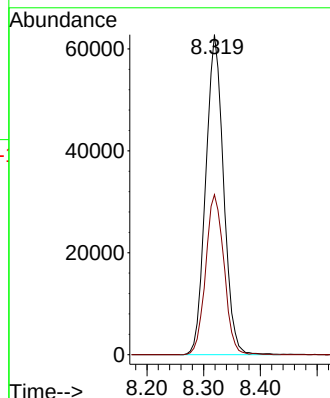
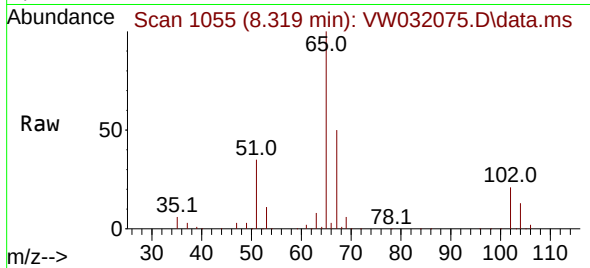




#33
 1,2-Dichloroethane-d4
 Concen: 59.219 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032075.D
 Acq: 11 Aug 2025 18:25

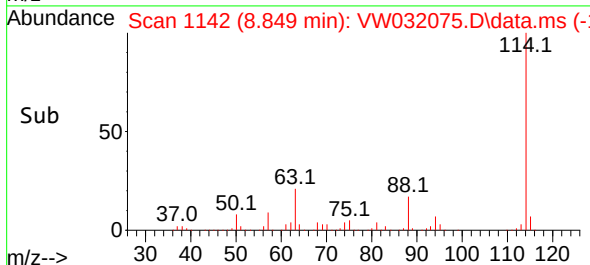
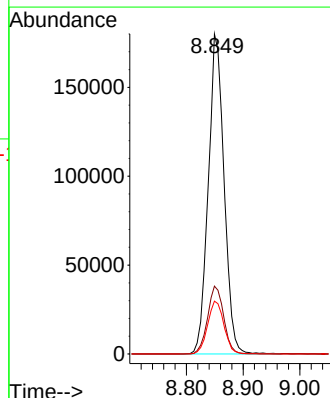
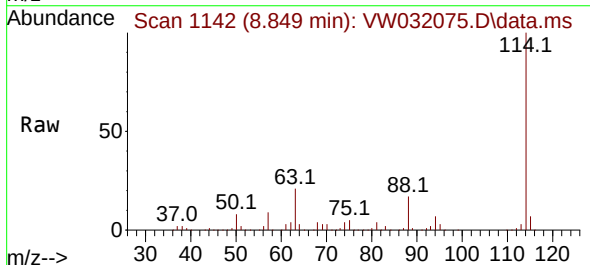
Instrument :
 MSVOA_W
 ClientSampleId :
 11M-W

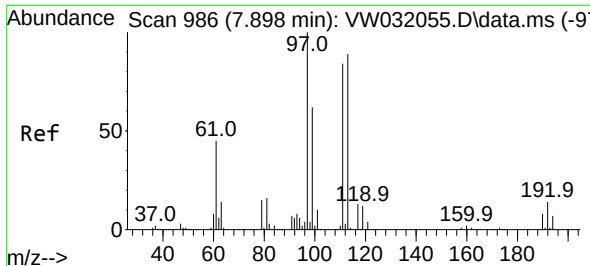
Tgt Ion: 65 Resp: 137449
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032075.D
 Acq: 11 Aug 2025 18:25

Tgt Ion: 114 Resp: 347658
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 16.5 0.0 33.8

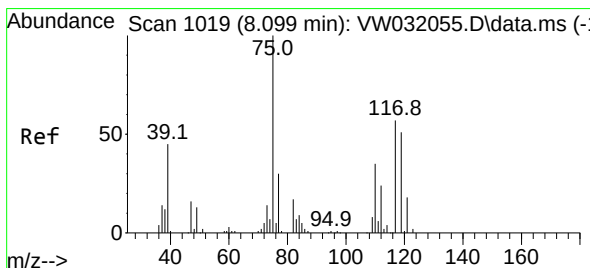
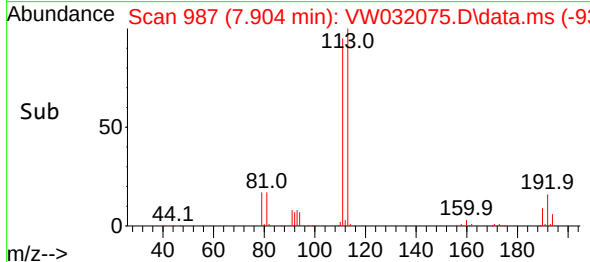
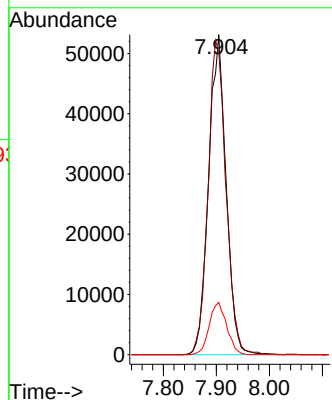
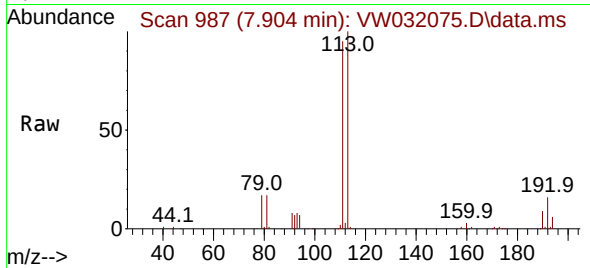




#35
Dibromofluoromethane
Concen: 54.257 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.006 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

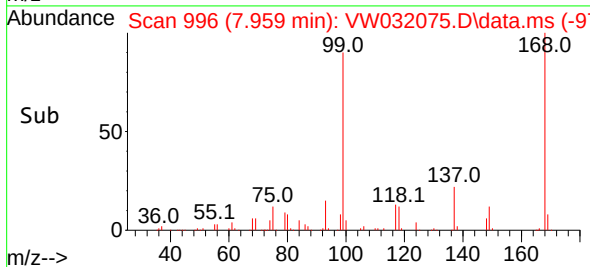
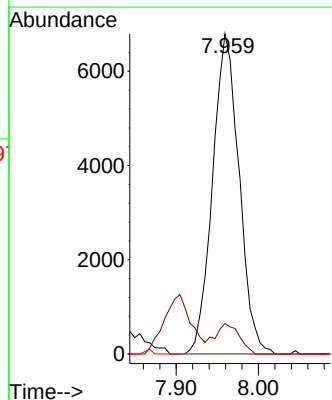
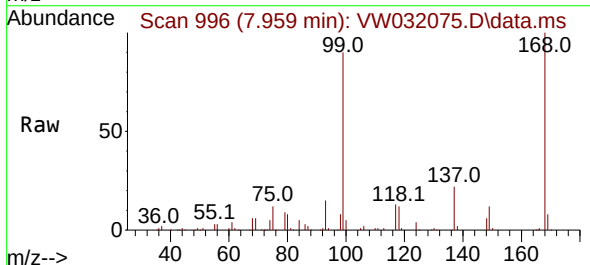
Instrument :
MSVOA_W
ClientSampleId :
11M-W

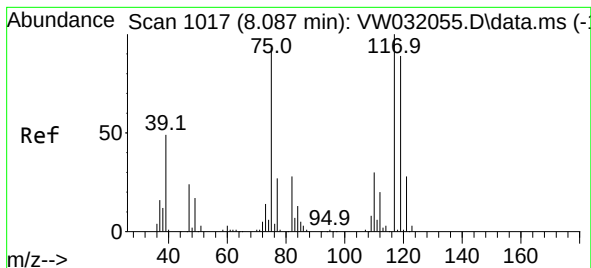
Tgt Ion:113 Resp: 121861
Ion Ratio Lower Upper
113 100
111 100.8 80.1 120.1
192 16.3 13.1 19.7



#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Tgt Ion: 75 Resp: 15228
Ion Ratio Lower Upper
75 100
110 8.7 17.4 52.2#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.152 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032075.D

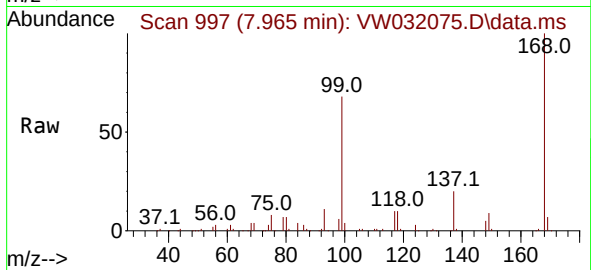
Acq: 11 Aug 2025 18:25

Instrument :

MSVOA_W

ClientSampleId :

11M-W



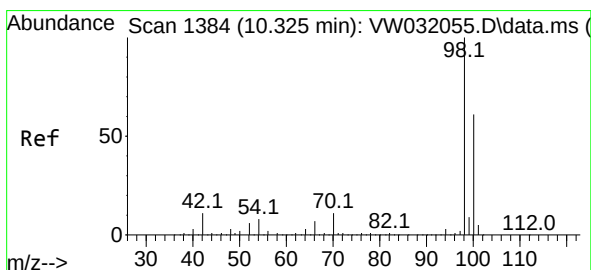
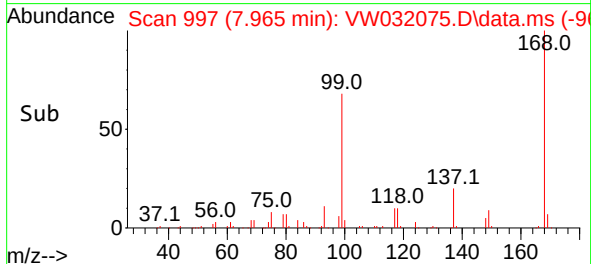
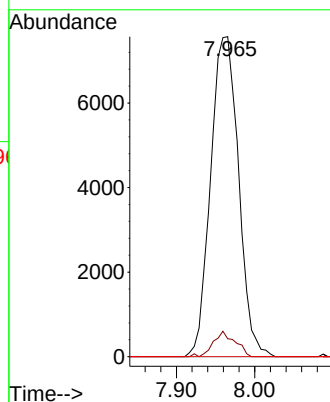
Tgt Ion:117 Resp: 18797

Ion Ratio Lower Upper

117 100

119 5.6 71.4 107.2#

121 0.0 22.3 33.5#



#50

Toluene-d8

Concen: 52.725 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032075.D

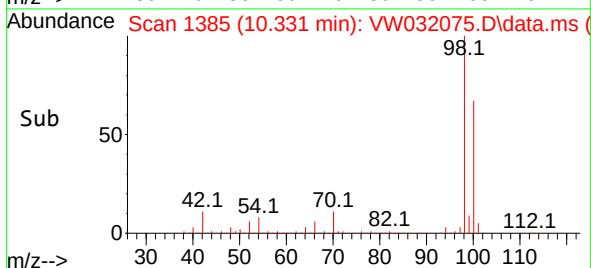
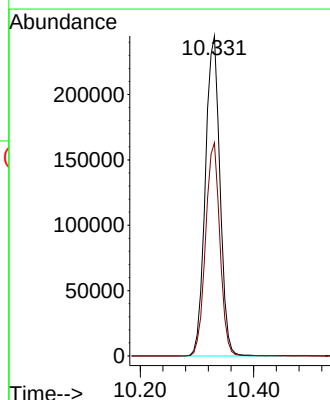
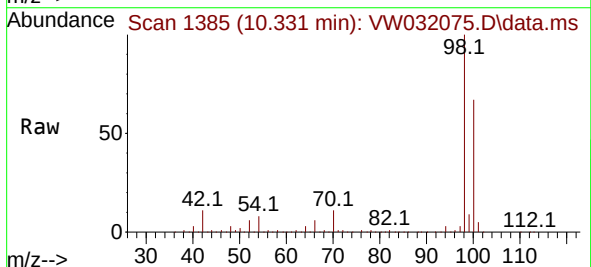
Acq: 11 Aug 2025 18:25

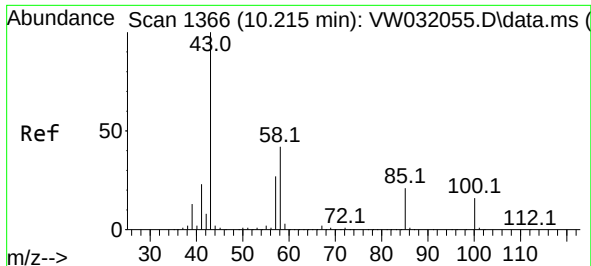
Tgt Ion: 98 Resp: 438005

Ion Ratio Lower Upper

98 100

100 65.5 51.1 76.7

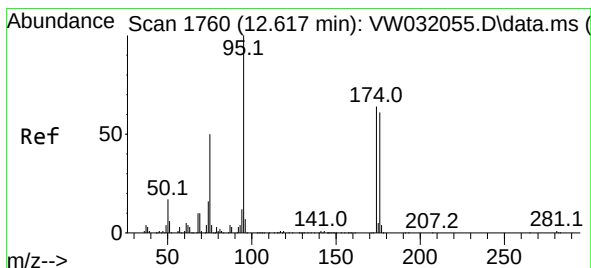
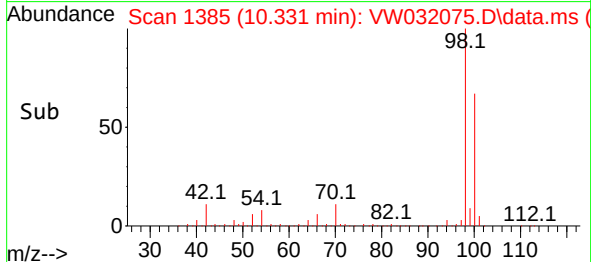
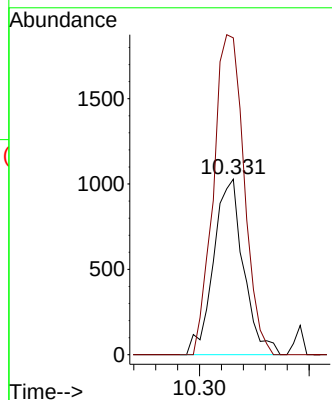
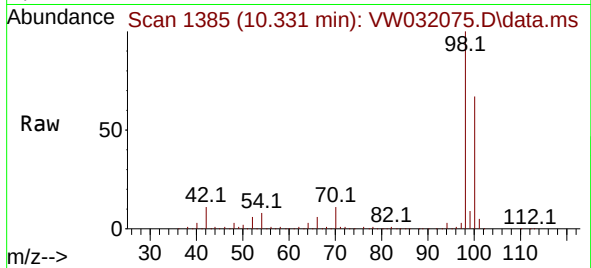




#51
4-Methyl-2-Pentanone
Concen: 1.011 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.116 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

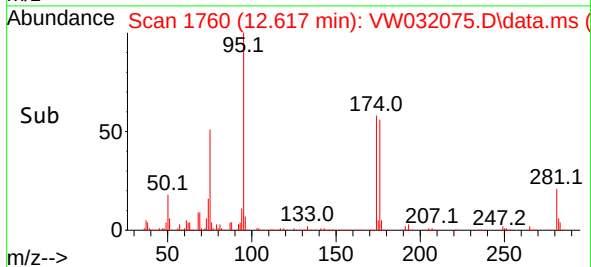
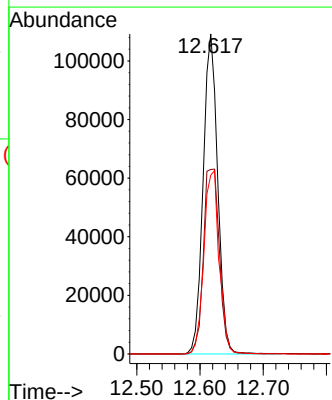
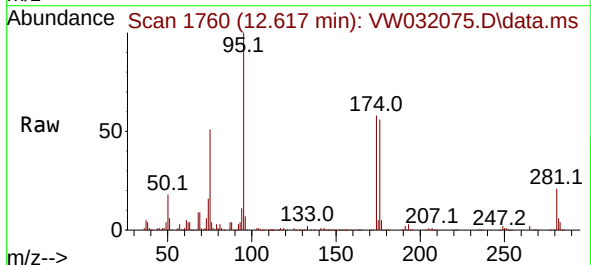
Instrument :
MSVOA_W
ClientSampleId :
11M-W

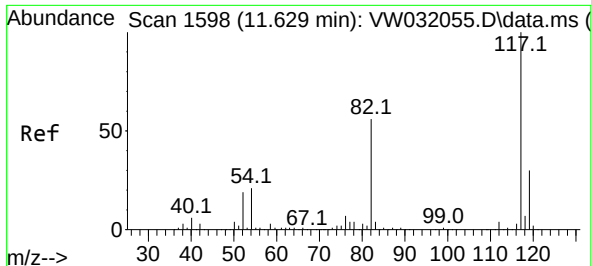
Tgt Ion: 43 Resp: 1957
Ion Ratio Lower Upper
43 100
58 186.2 33.1 49.7#



#62
4-Bromofluorobenzene
Concen: 57.411 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Tgt Ion: 95 Resp: 175755
Ion Ratio Lower Upper
95 100
174 63.2 0.0 129.0
176 60.1 0.0 124.6

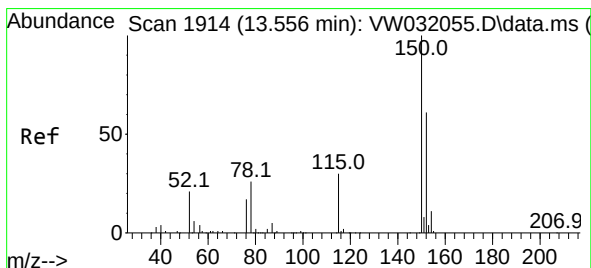
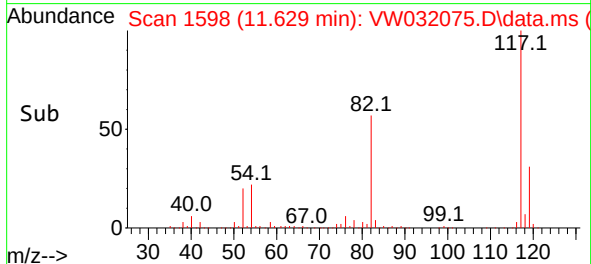
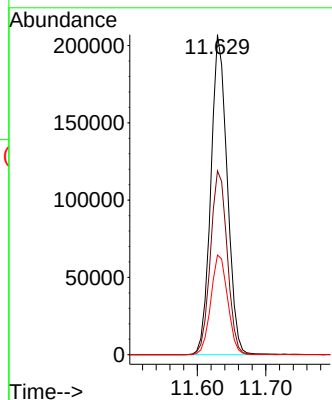
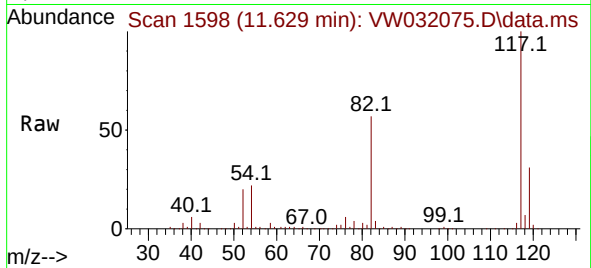




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

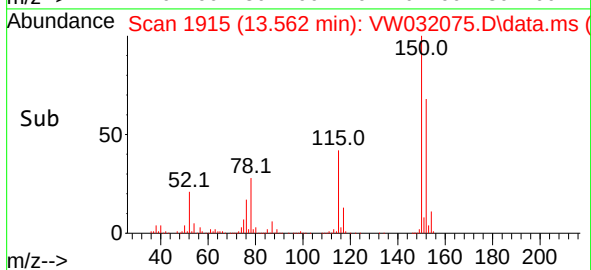
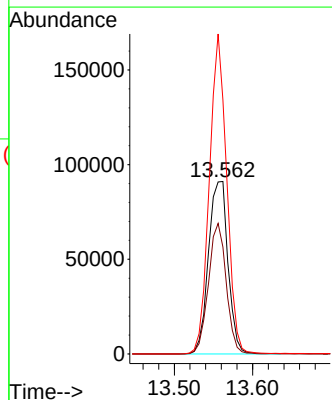
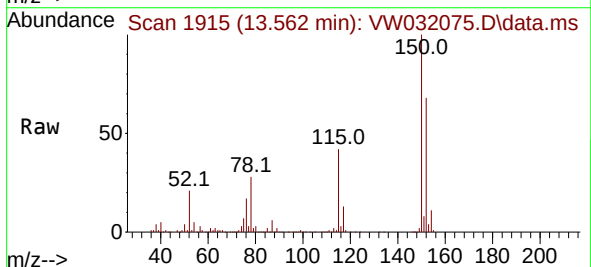
Instrument :
MSVOA_W
ClientSampleId :
11M-W

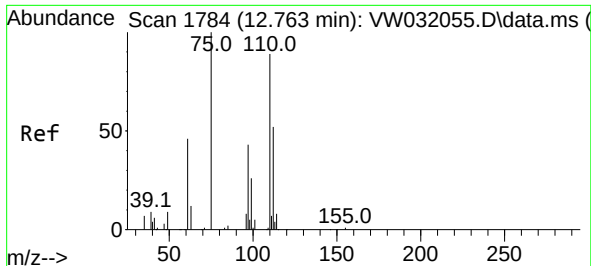
Tgt Ion:117 Resp: 344119
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 31.2 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.562 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Tgt Ion:152 Resp: 158417
Ion Ratio Lower Upper
152 100
115 68.8 32.6 97.8
150 163.5 0.0 359.4

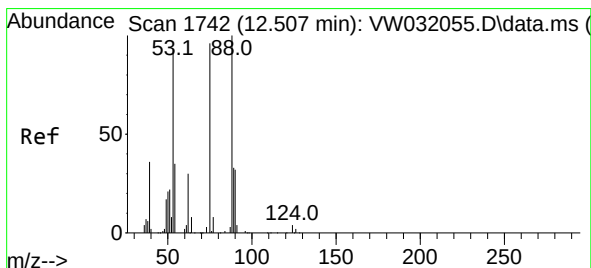
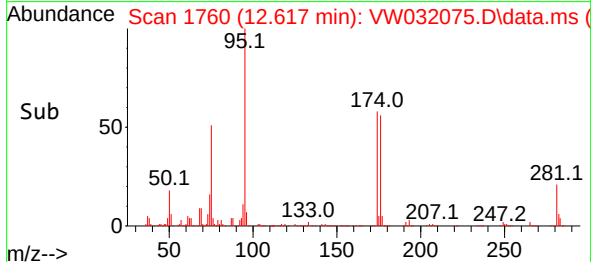
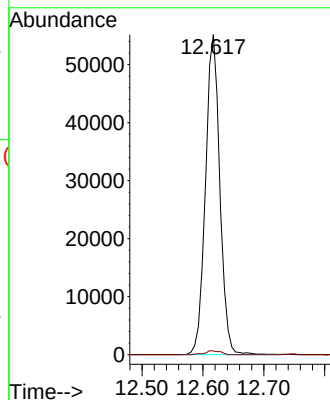
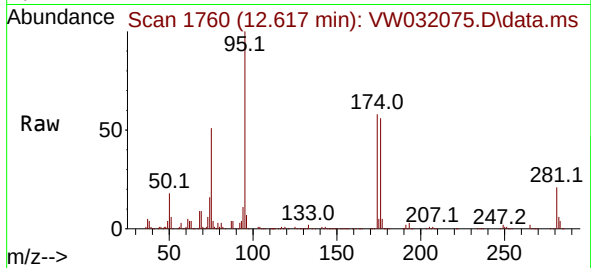




#76
1,2,3-Trichloropropane
Concen: 42.010 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Instrument :
MSVOA_W
ClientSampleId :
11M-W

Tgt Ion: 75 Resp: 90326
Ion Ratio Lower Upper
75 100
77 1.3 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.761 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Tgt Ion: 75 Resp: 90326
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.6#
89 0.9 37.3 55.9#

