

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032334.D
 Acq On : 02 Oct 2025 15:47
 Operator : SY/MD
 Sample : Q3269-01
 Misc : 5.15g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 22:11:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

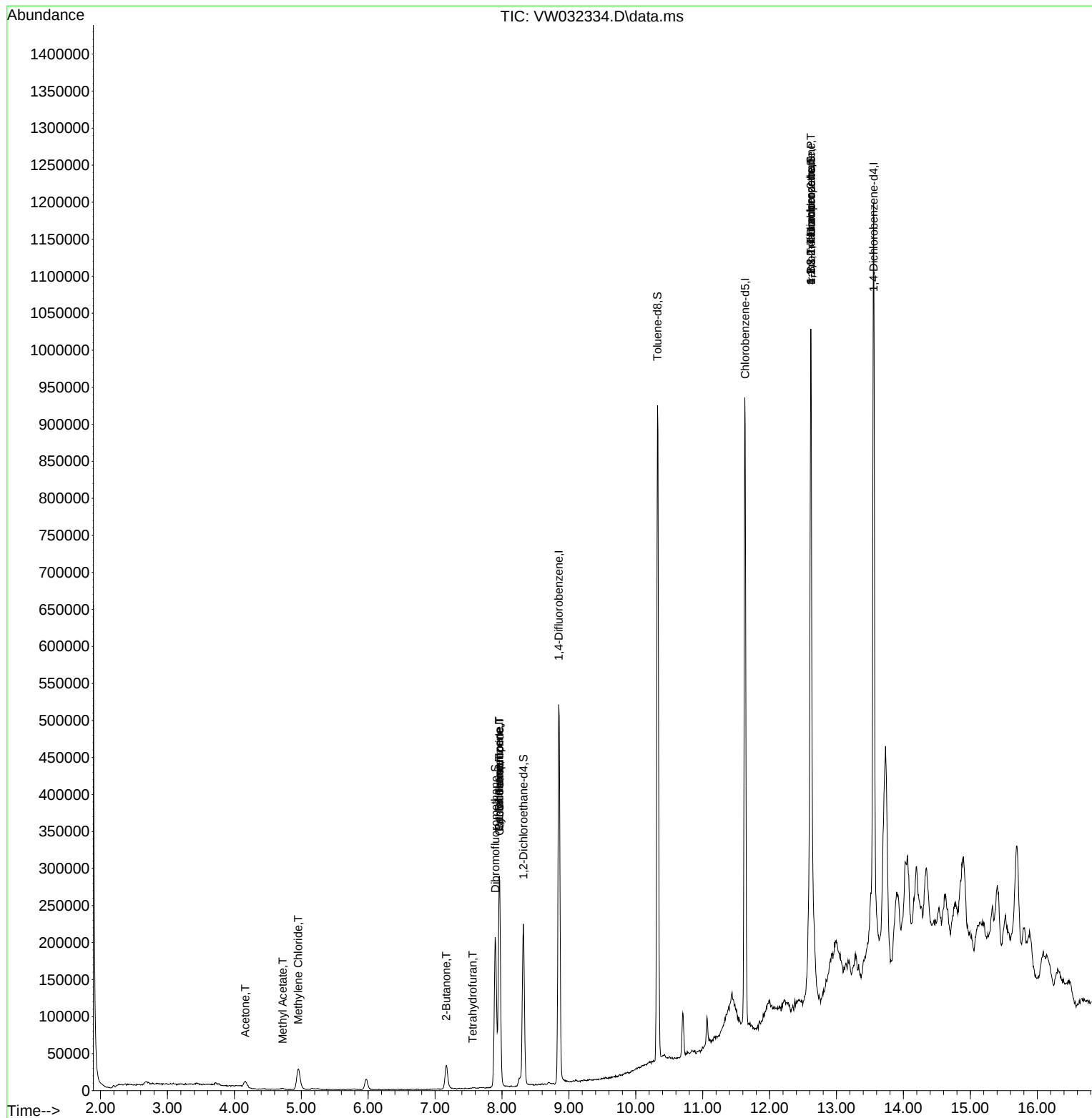
Internal Standards						
1) Pentafluorobenzene	7.959	168	196311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	439699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	464985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	239640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	180296	62.968	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 125.940%	
35) Dibromofluoromethane	7.898	113	152254	53.469	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 106.940%	
50) Toluene-d8	10.325	98	587936	55.943	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 111.880%	
62) 4-Bromofluorobenzene	12.617	95	291214	73.311	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 146.620%#	
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	10766	13.579	ug/l	95
18) Methyl Acetate	4.722	43	2823	1.243	ug/l #	80
20) Methylene Chloride	4.954	84	24872	4.625	ug/l	93
25) 2-Butanone	7.167	43	1695	1.570	ug/l #	68
29) Tetrahydrofuran	7.563	42	839	1.236	ug/l #	76
31) Cyclohexane	7.959	56	5776	1.433	ug/l #	8
36) 1,1-Dichloropropene	7.959	75	19541	4.863	ug/l #	51
38) Carbon Tetrachloride	7.965	117	22551	5.963	ug/l #	19
75) 1,1,2,2-Tetrachloroethane	12.617	83	75808	18.622	ug/l #	27
76) 1,2,3-Trichloropropane	12.617	75	118279	37.507	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	118279	95.015	ug/l #	16

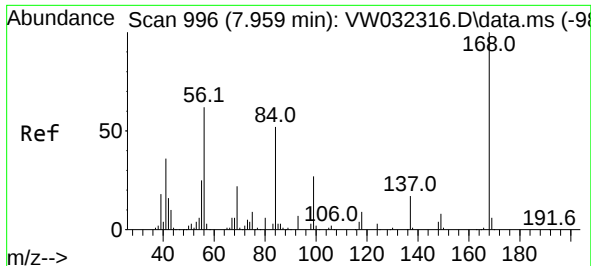
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
Data File : VW032334.D
Acq On : 02 Oct 2025 15:47
Operator : SY/MD
Sample : Q3269-01
Misc : 5.15g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 02 22:11:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

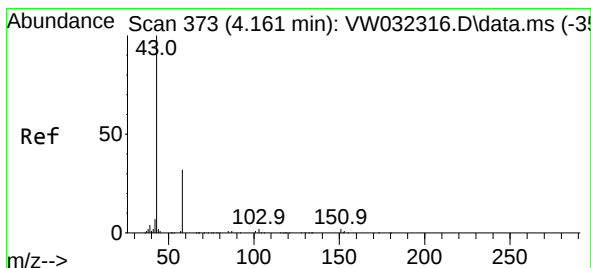
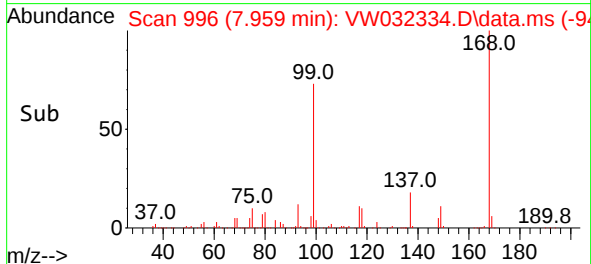
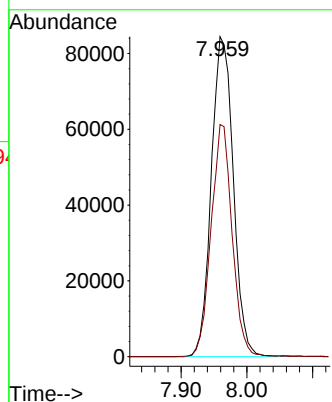
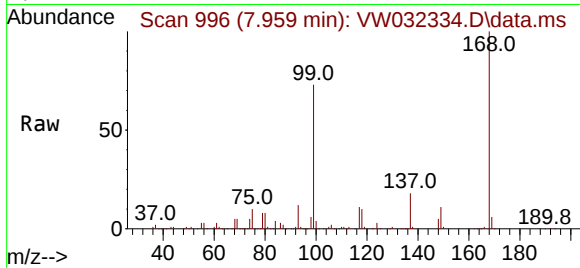




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

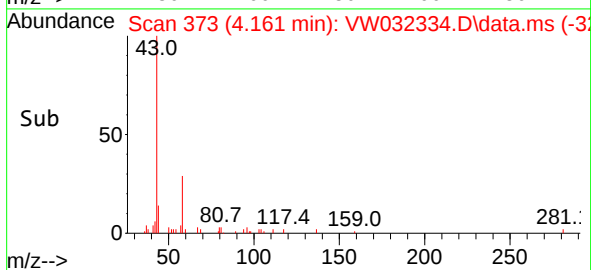
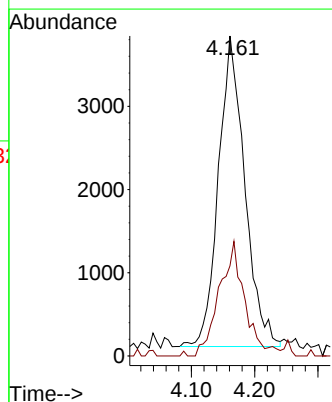
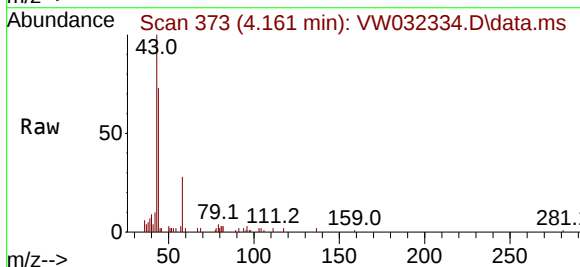
Instrument :
MSVOA_W
ClientSampleId :

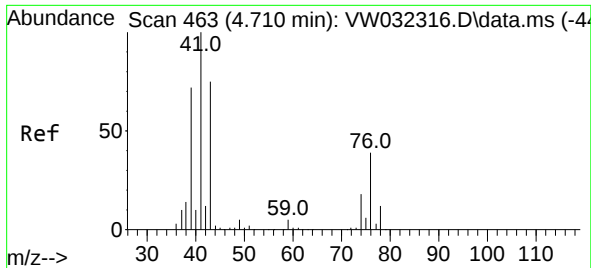
Tgt Ion:168 Resp: 196311
Ion Ratio Lower Upper
168 100
99 72.5 49.3 73.9



#16
Acetone
Concen: 13.579 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

Tgt Ion: 43 Resp: 10766
Ion Ratio Lower Upper
43 100
58 29.0 25.3 37.9

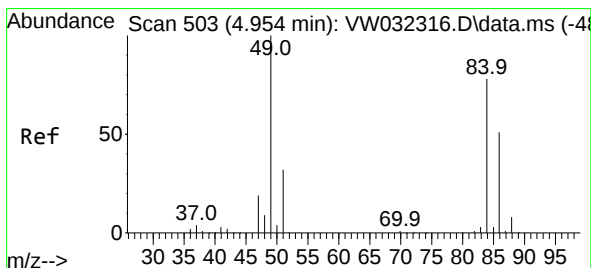
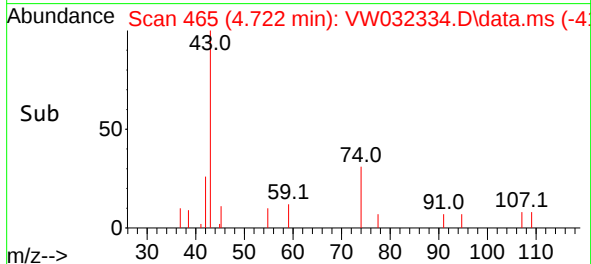
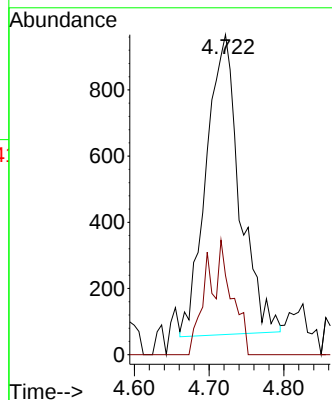
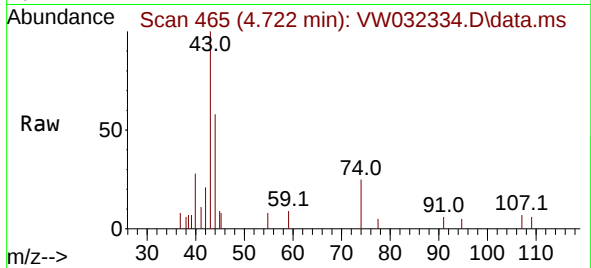




#18
Methyl Acetate
Concen: 1.243 ug/l
RT: 4.722 min Scan# 4
Delta R.T. 0.012 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

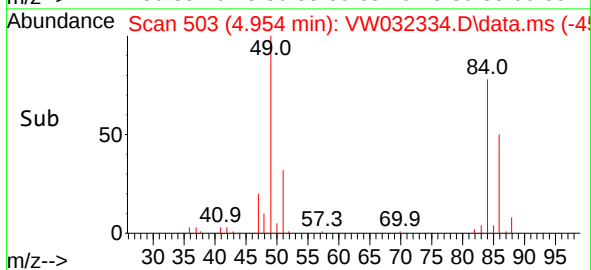
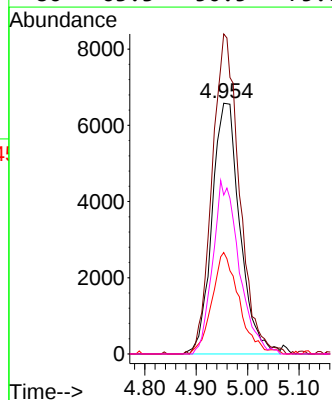
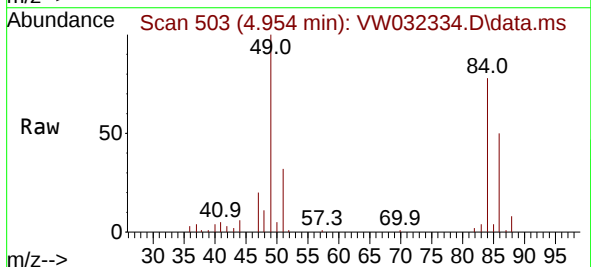
Instrument :
MSVOA_W
ClientSampleId :

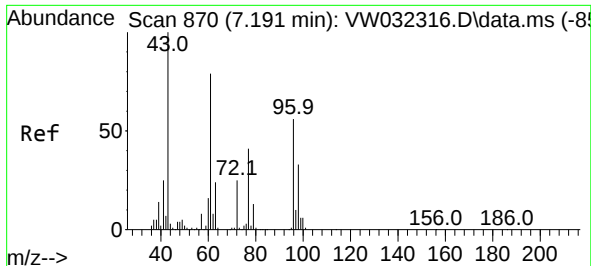
Tgt Ion: 43 Resp: 2823
Ion Ratio Lower Upper
43 100
74 15.2 20.2 30.4#



#20
Methylene Chloride
Concen: 4.625 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

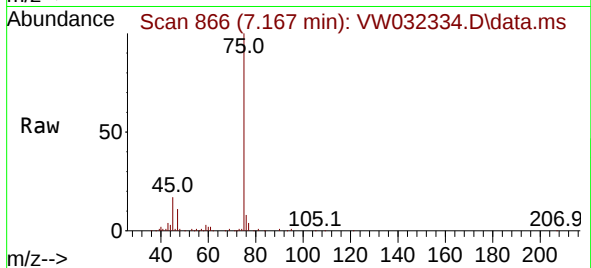
Tgt Ion: 84 Resp: 24872
Ion Ratio Lower Upper
84 100
49 127.6 92.2 138.4
51 40.5 31.0 46.6
86 63.3 50.5 75.7



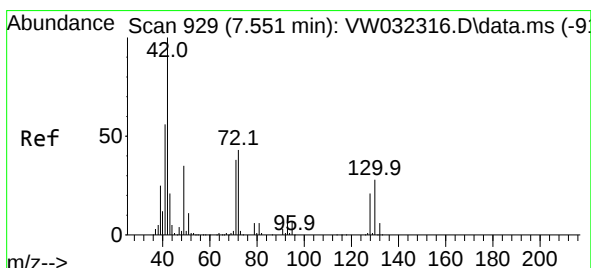
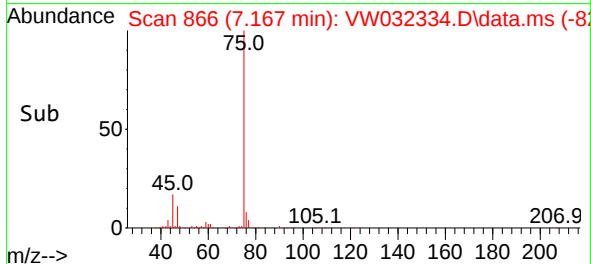
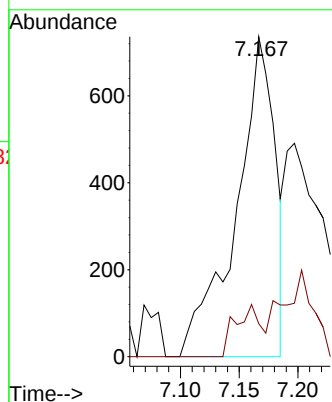


#25
2-Butanone
Concen: 1.570 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.025 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

Instrument :
MSVOA_W
ClientSampleId :

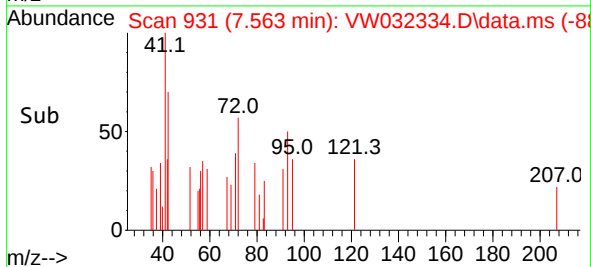
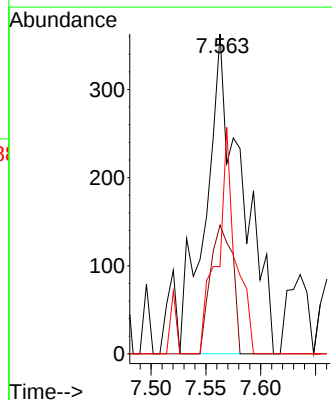
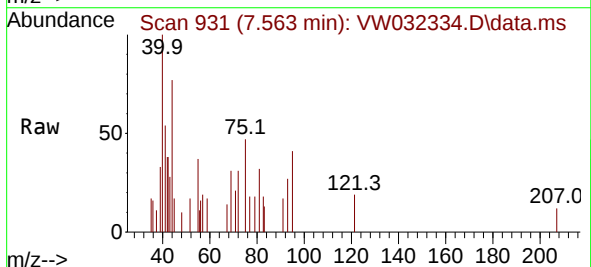


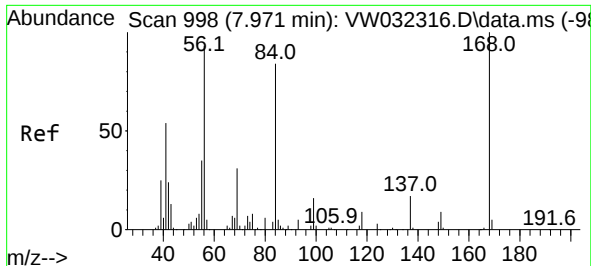
Tgt Ion: 43 Resp: 1695
Ion Ratio Lower Upper
43 100
72 10.3 21.4 32.2#



#29
Tetrahydrofuran
Concen: 1.236 ug/l
RT: 7.563 min Scan# 931
Delta R.T. 0.012 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

Tgt Ion: 42 Resp: 839
Ion Ratio Lower Upper
42 100
72 24.6 37.4 56.2#
71 35.4 36.0 54.0#

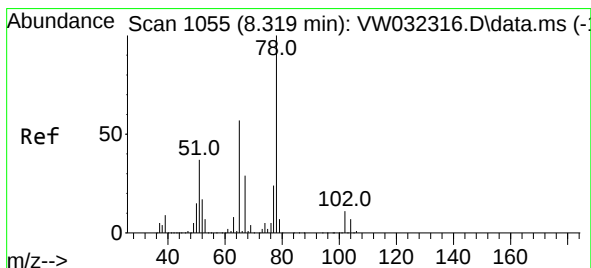
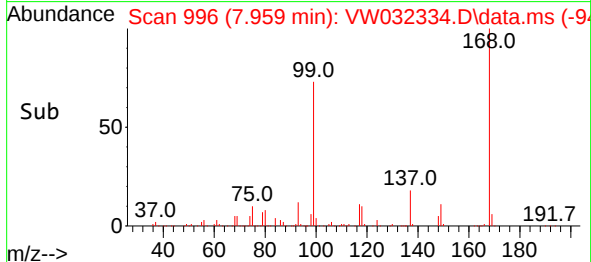
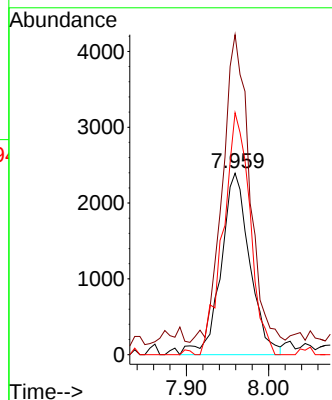
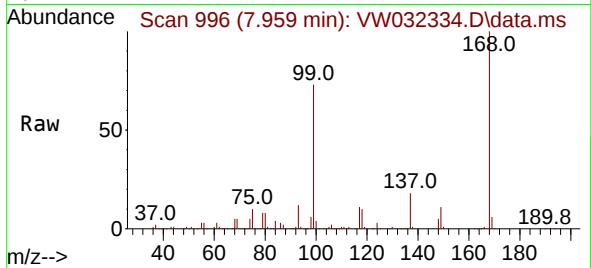




#31
Cyclohexane
Concen: 1.433 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

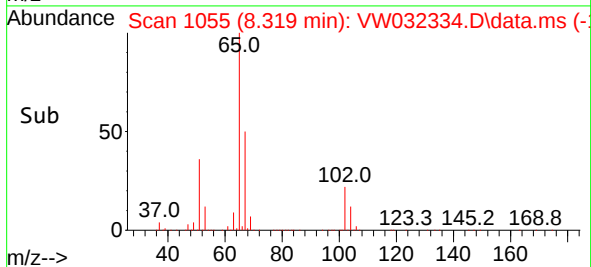
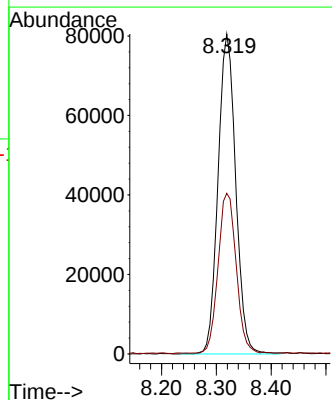
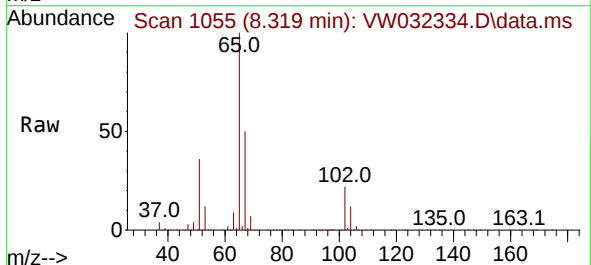
Instrument :
MSVOA_W
ClientSampleId :

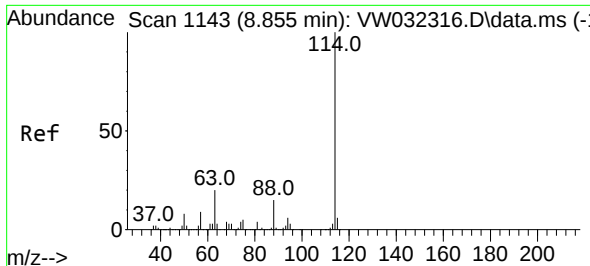
Tgt Ion: 56 Resp: 5776
Ion Ratio Lower Upper
56 100
69 166.6 27.7 41.5#
84 133.4 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 62.968 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

Tgt Ion: 65 Resp: 180296
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.6

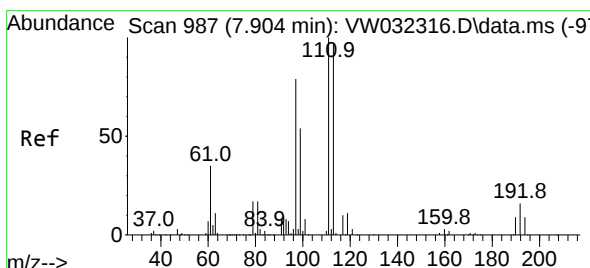
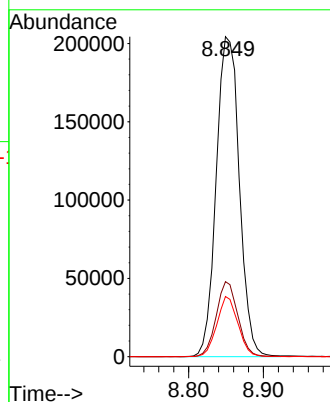
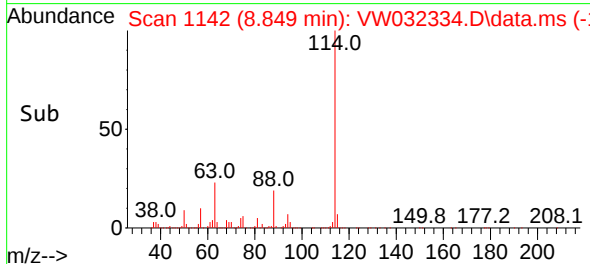
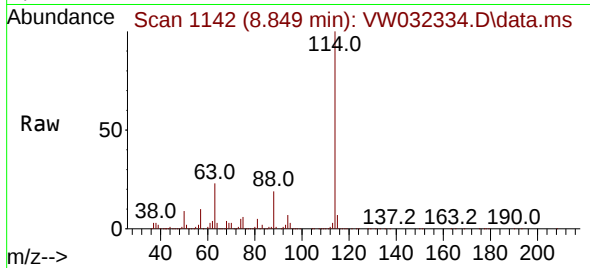




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

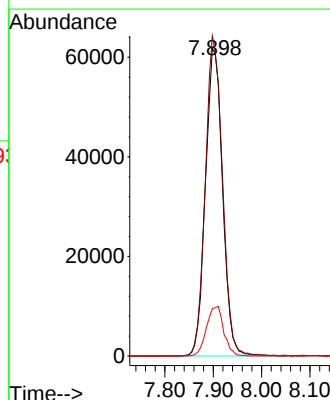
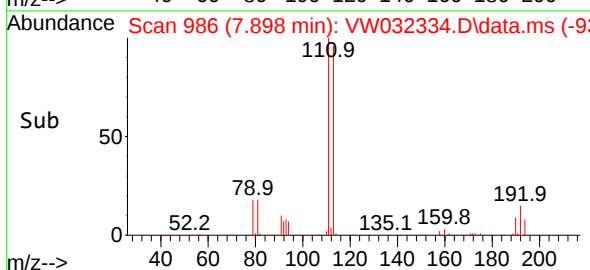
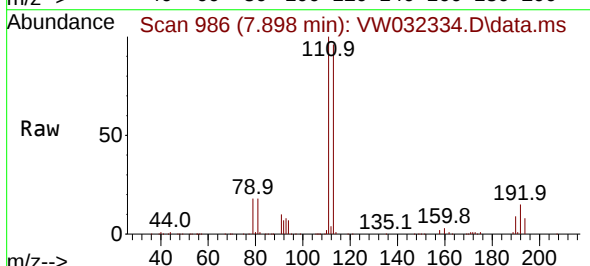
Instrument :
MSVOA_W
ClientSampleId :

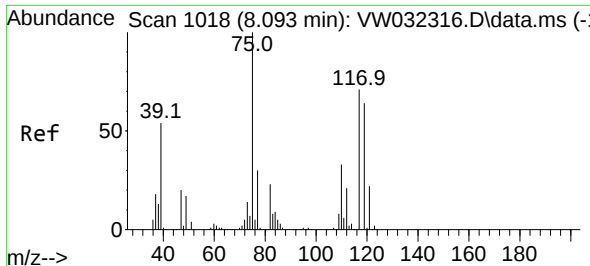
Tgt Ion:114 Resp: 439699
Ion Ratio Lower Upper
114 100
63 23.5 0.0 40.4
88 18.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 53.469 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

Tgt Ion:113 Resp: 152254
Ion Ratio Lower Upper
113 100
111 104.0 83.9 125.9
192 16.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.863 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

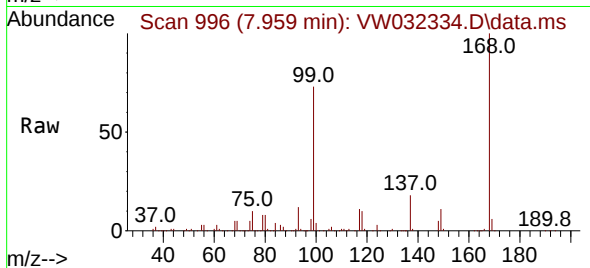
Lab File: VW032334.D

Acq: 02 Oct 2025 15:47

Instrument :

MSVOA_W

ClientSampleId :



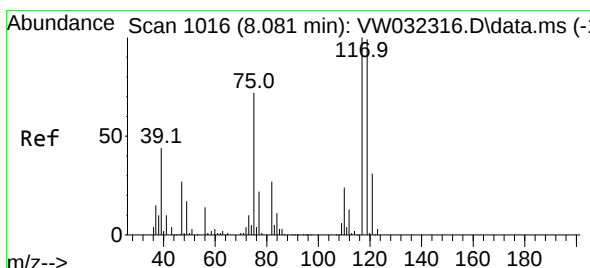
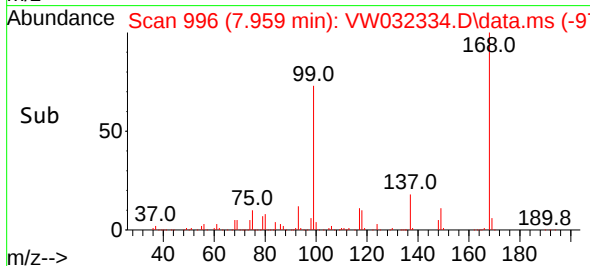
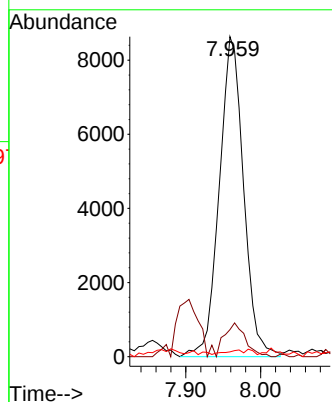
Tgt Ion: 75 Resp: 19541

Ion Ratio Lower Upper

75 100

110 9.1 17.5 52.5#

77 1.2 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.963 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032334.D

Acq: 02 Oct 2025 15:47

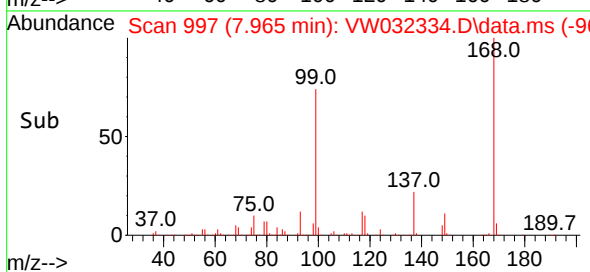
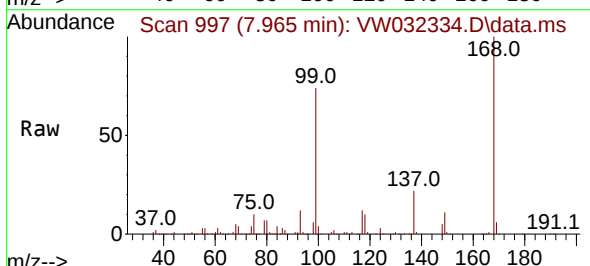
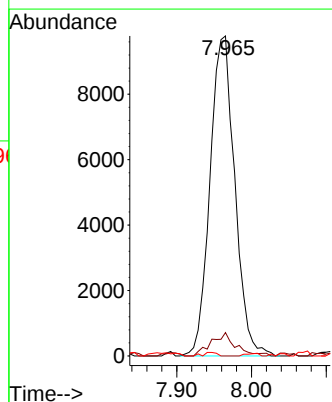
Tgt Ion: 117 Resp: 22551

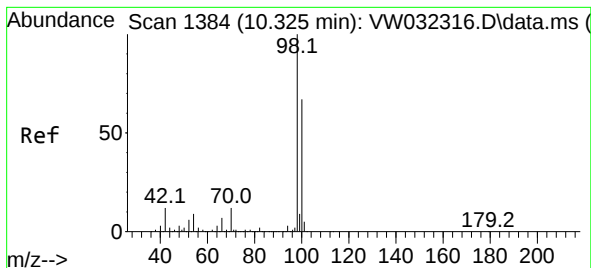
Ion Ratio Lower Upper

117 100

119 6.8 74.2 111.2#

121 0.0 25.6 38.4#

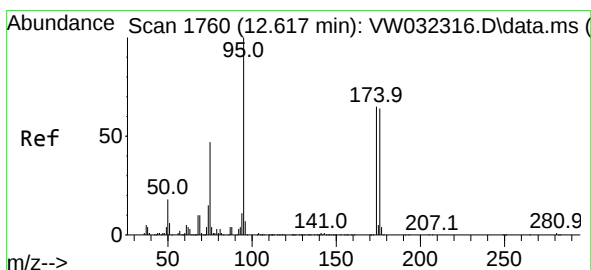
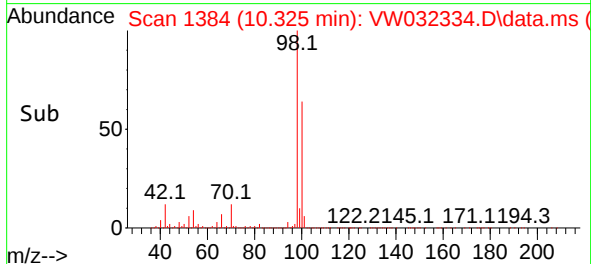
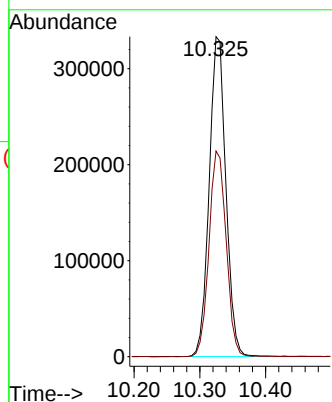
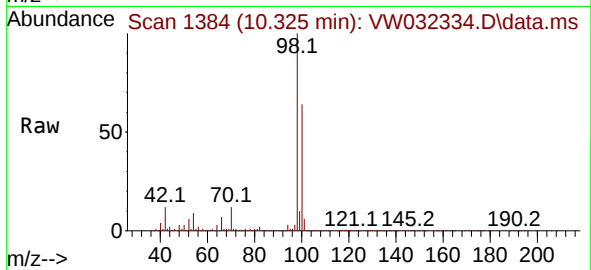




#50
Toluene-d8
Concen: 55.943 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

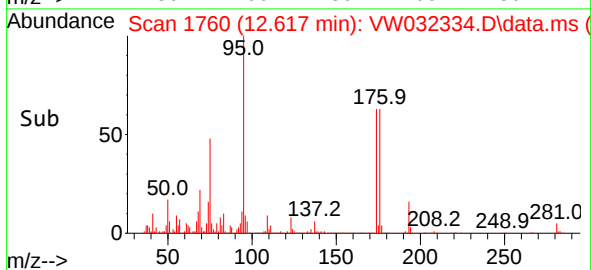
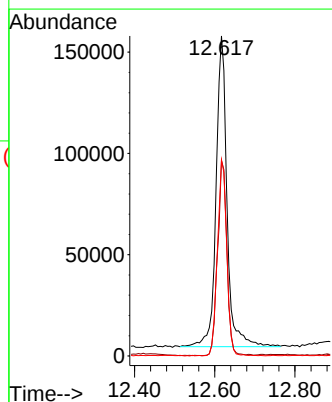
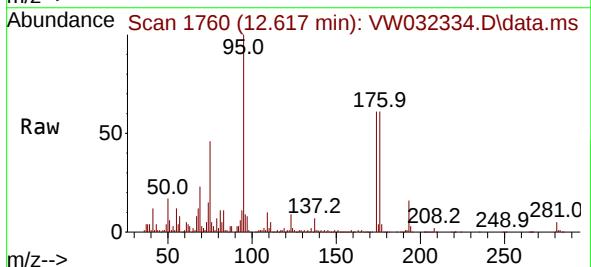
Instrument :
MSVOA_W
ClientSampleId :

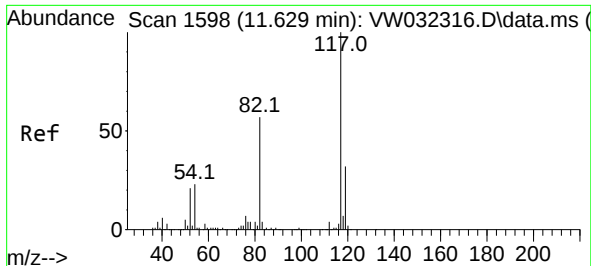
Tgt Ion: 98 Resp: 587936
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 73.311 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

Tgt Ion: 95 Resp: 291214
Ion Ratio Lower Upper
95 100
174 52.6 0.0 145.6
176 53.3 0.0 140.8

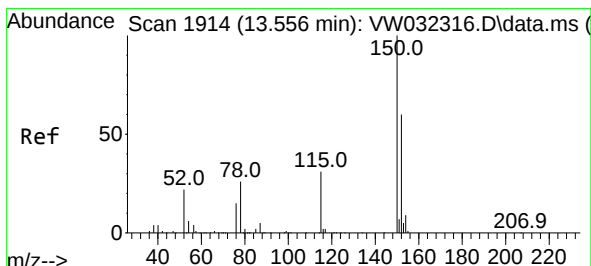
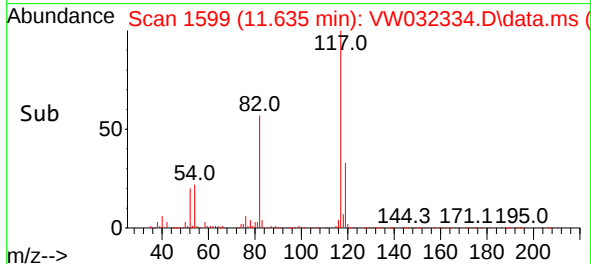
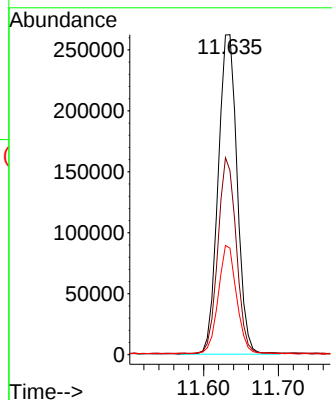
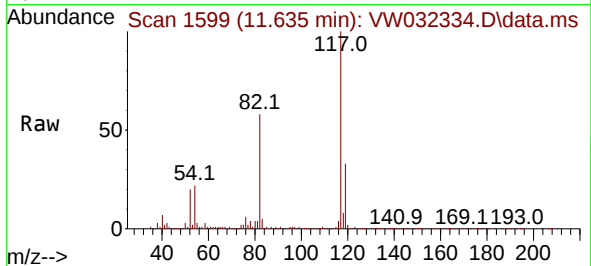




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

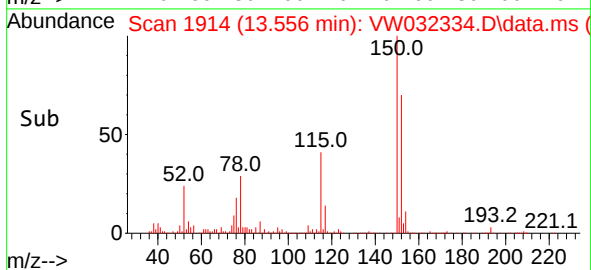
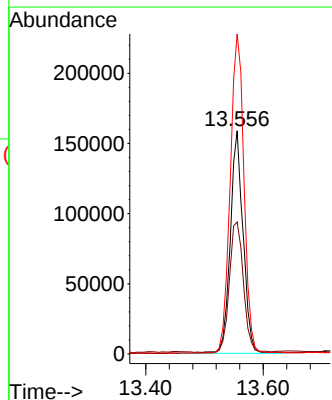
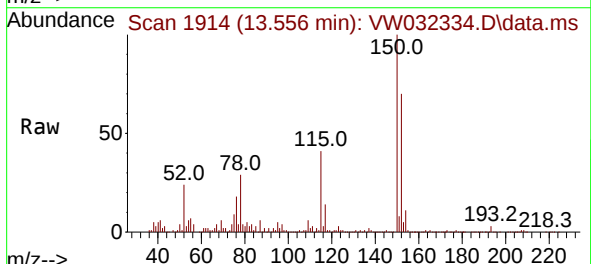
Instrument :
MSVOA_W
ClientSampleId :

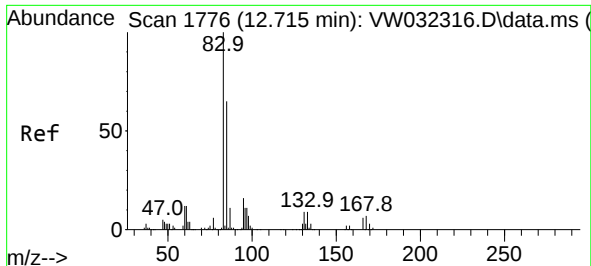
Tgt Ion:117 Resp: 464985
Ion Ratio Lower Upper
117 100
82 57.2 42.7 64.1
119 33.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

Tgt Ion:152 Resp: 239640
Ion Ratio Lower Upper
152 100
115 64.0 31.8 95.4
150 154.3 0.0 343.0

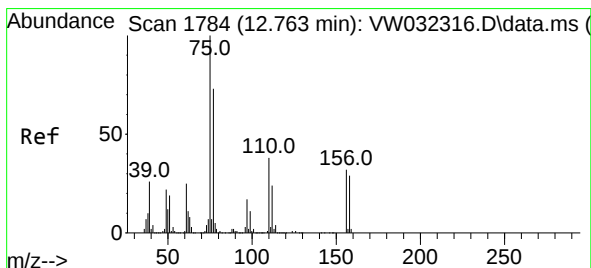
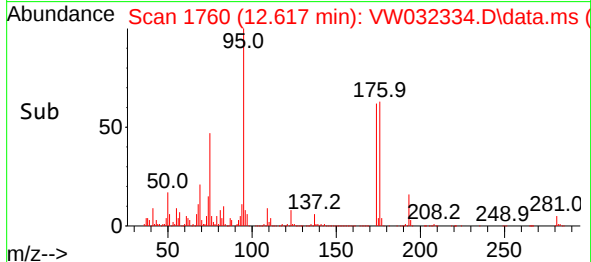
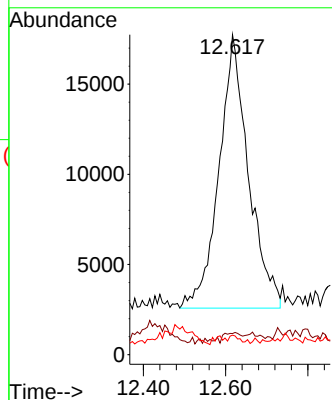
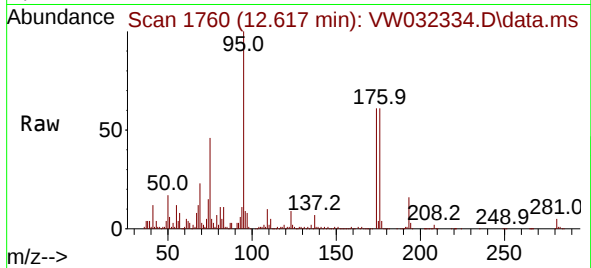




#75
1,1,2,2-Tetrachloroethane
Concen: 18.622 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.098 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

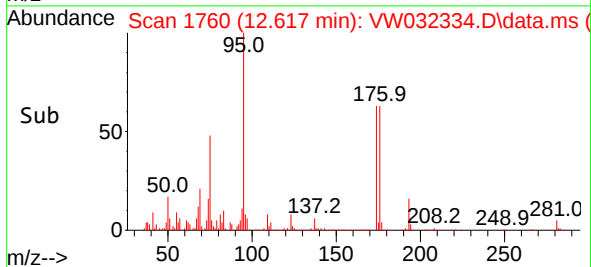
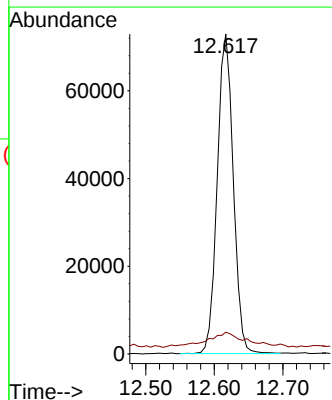
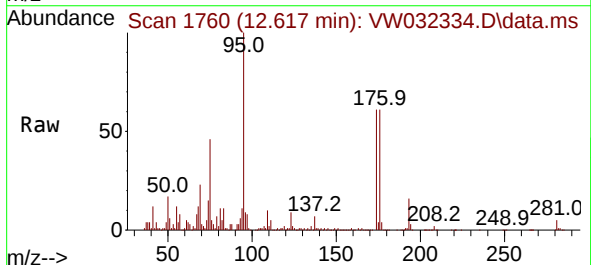
Instrument :
MSVOA_W
ClientSampleId :

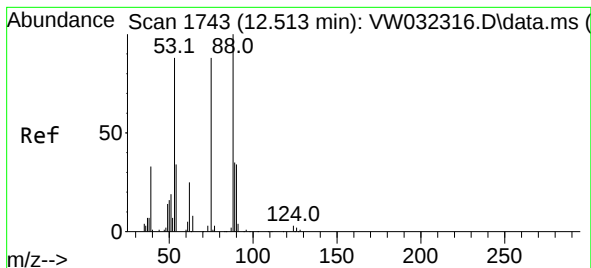
Tgt Ion: 83 Resp: 75808
Ion Ratio Lower Upper
83 100
131 2.1 5.1 15.4#
85 0.7 32.2 96.6#



#76
1,2,3-Trichloropropane
Concen: 37.507 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032334.D
Acq: 02 Oct 2025 15:47

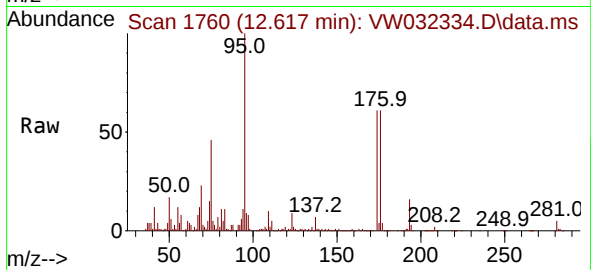
Tgt Ion: 75 Resp: 118279
Ion Ratio Lower Upper
75 100
77 12.1 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.015 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VW032334.D
 Acq: 02 Oct 2025 15:47

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 118279
 Ion Ratio Lower Upper
 75 100
 53 18.1 91.0 136.6#
 89 0.4 39.4 59.2#

