

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032432.D
 Acq On : 11 Nov 2025 15:43
 Operator : SY/MD
 Sample : Q3600-01
 Misc : 5.49g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 12 03:51:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

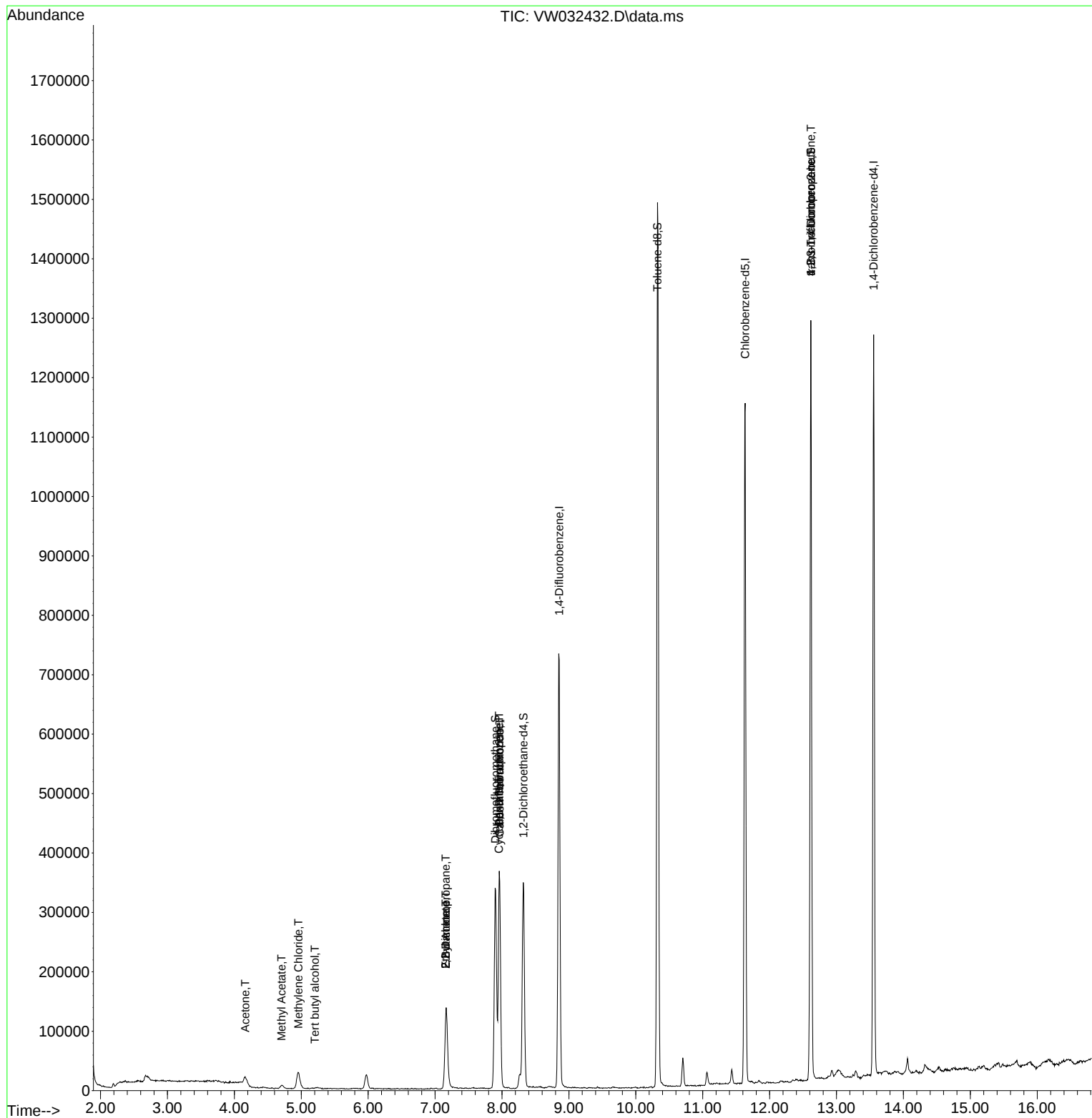
Internal Standards						
1) Pentafluorobenzene	7.959	168	265247	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	623630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	634163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	326273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	283940	83.031	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 166.060%#			
35) Dibromofluoromethane	7.898	113	258069	69.117	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 138.240%#			
50) Toluene-d8	10.324	98	1000853	69.872	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 139.740%#			
62) 4-Bromofluorobenzene	12.617	95	452448	83.615	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 167.220%#			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.203	59	2896	9.794	ug/l	# 91
16) Acetone	4.161	43	17012	16.628	ug/l	91
18) Methyl Acetate	4.703	43	12426	4.905	ug/l	100
20) Methylene Chloride	4.959	84	23060	6.303	ug/l	97
25) 2-Butanone	7.160	43	8988	5.963	ug/l	# 87
26) 2,2-Dichloropropane	7.160	77	9950	2.919	ug/l	# 51
31) Cyclohexane	7.953	56	6727	1.189	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	23268	4.229	ug/l	# 51
37) Ethyl Acetate	7.160	43	8988	2.197	ug/l	# 71
38) Carbon Tetrachloride	7.965	117	28373	5.804	ug/l	# 16
76) 1,2,3-Trichloropropane	12.617	75	217880	48.702	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	217880	111.549	ug/l	# 11

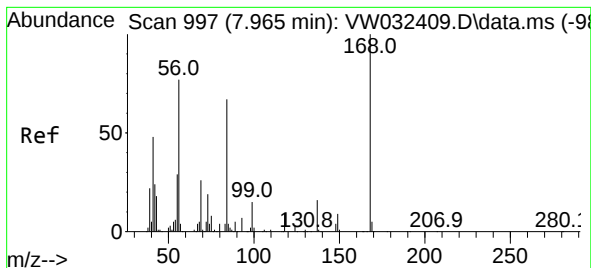
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 12 03:51:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
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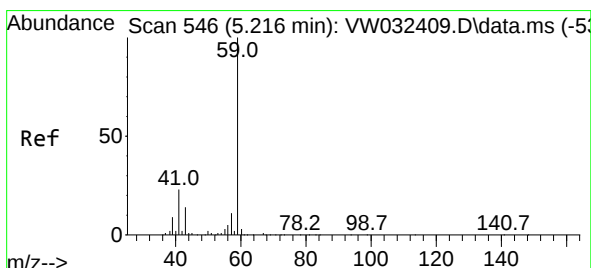
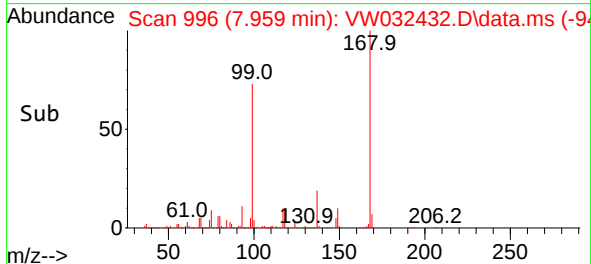
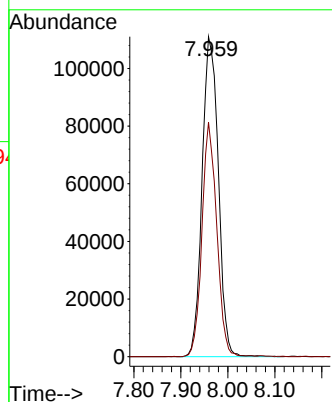
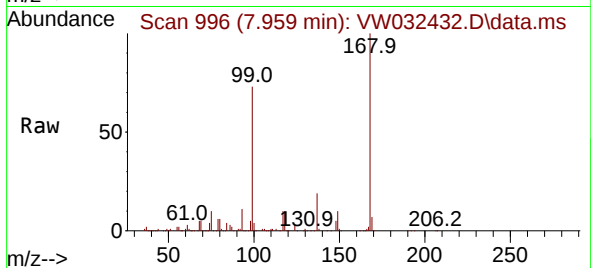




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

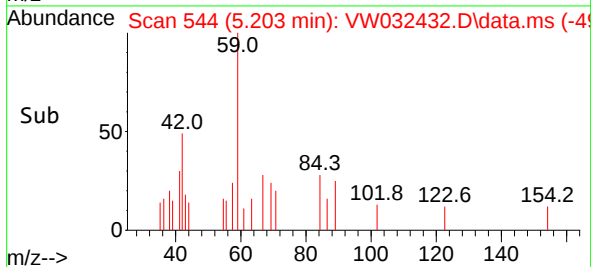
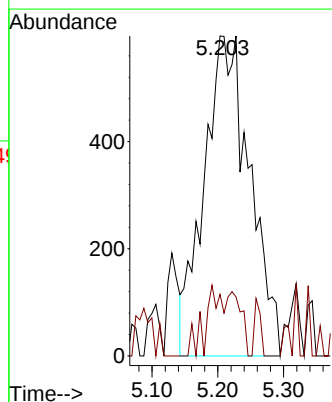
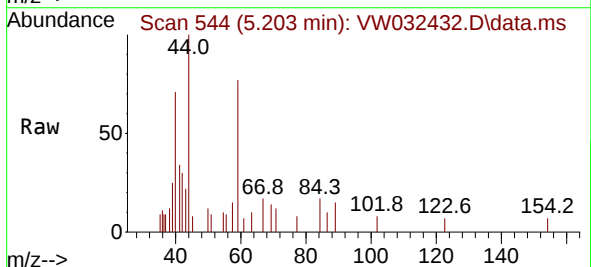
Instrument :
MSVOA_W
ClientSampleId :

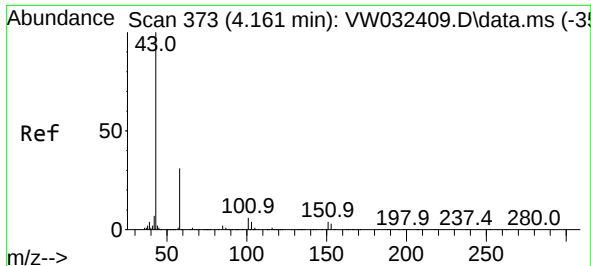
Tgt Ion:168 Resp: 265247
Ion Ratio Lower Upper
168 100
99 73.2 45.4 68.2#



#11
Tert butyl alcohol
Concen: 9.794 ug/l
RT: 5.203 min Scan# 544
Delta R.T. -0.012 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

Tgt Ion: 59 Resp: 2896
Ion Ratio Lower Upper
59 100
57 7.4 8.6 12.8#

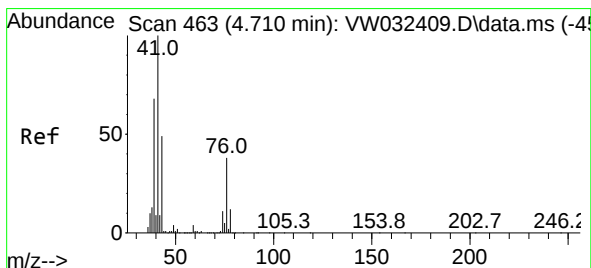
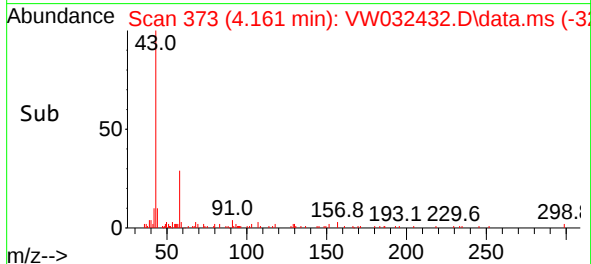
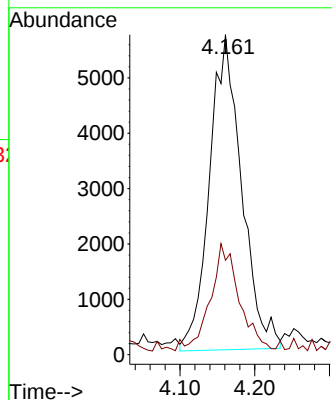
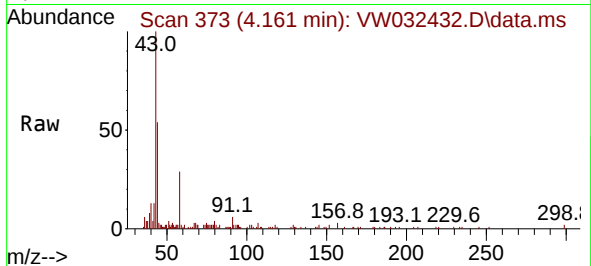




#16
Acetone
Concen: 16.628 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

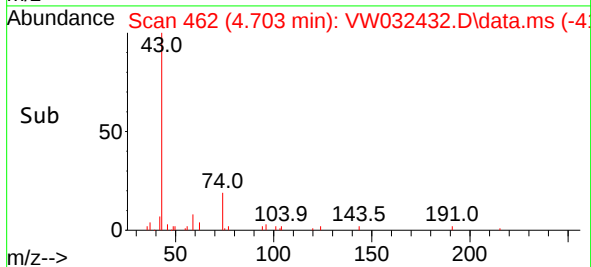
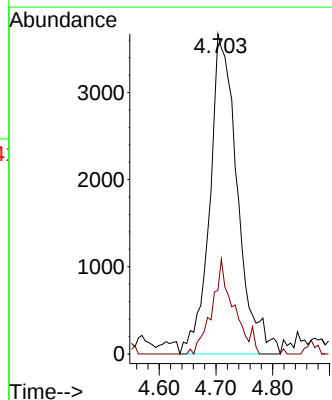
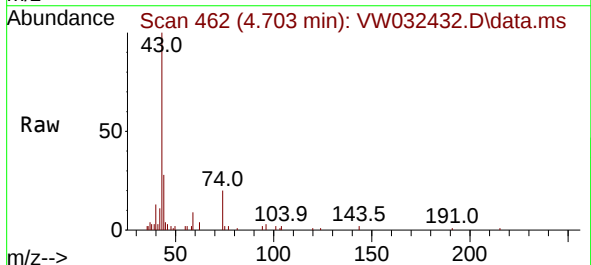
Instrument :
MSVOA_W
ClientSampleId :

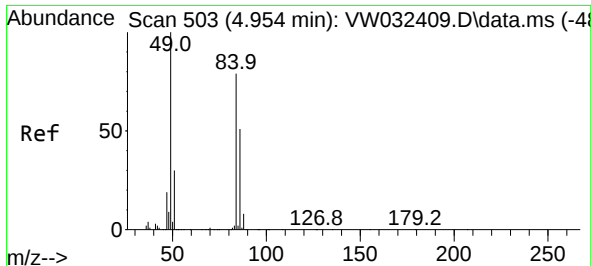
Tgt Ion: 43 Resp: 17012
Ion Ratio Lower Upper
43 100
58 26.1 24.8 37.2



#18
Methyl Acetate
Concen: 4.905 ug/l
RT: 4.703 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

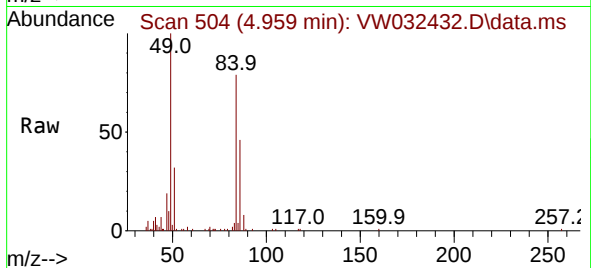
Tgt Ion: 43 Resp: 12426
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3



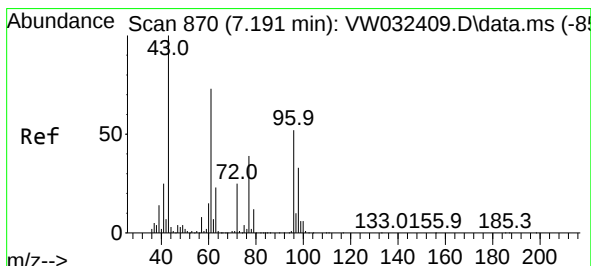
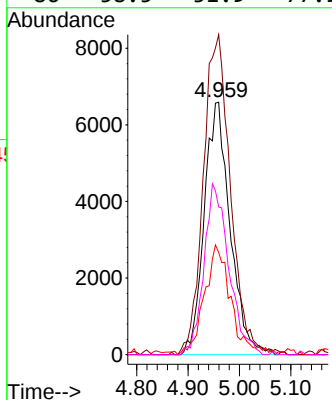
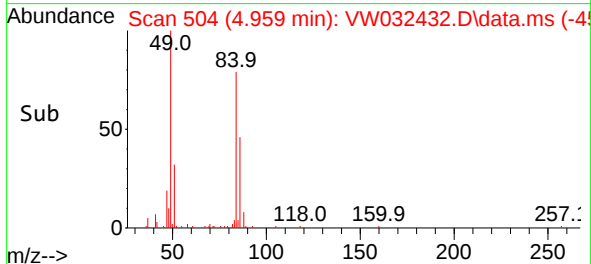


#20
Methylene Chloride
Concen: 6.303 ug/l
RT: 4.959 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

Instrument :
MSVOA_W
ClientSampleId :

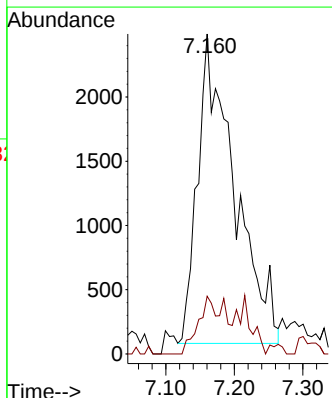
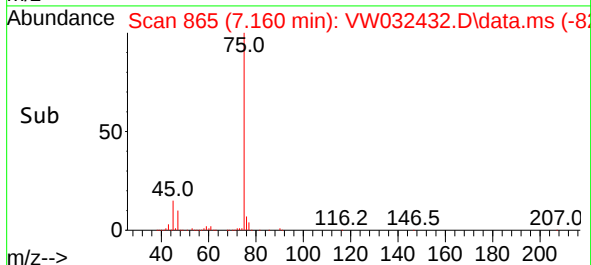
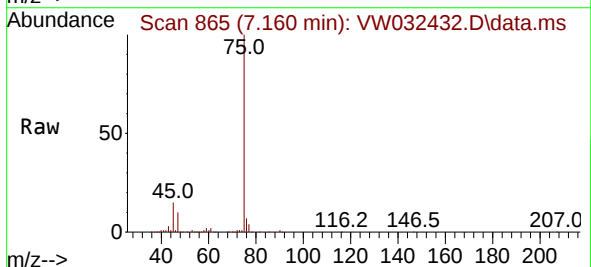


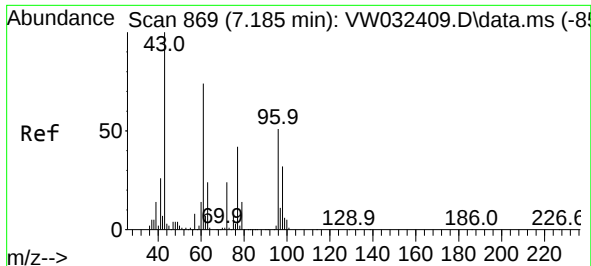
Tgt Ion:	84	Resp:	23060
Ion	Ratio	Lower	Upper
84	100		
49	126.7	101.5	152.3
51	40.5	30.6	46.0
86	58.5	51.9	77.9



#25
2-Butanone
Concen: 5.963 ug/l
RT: 7.160 min Scan# 865
Delta R.T. -0.031 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

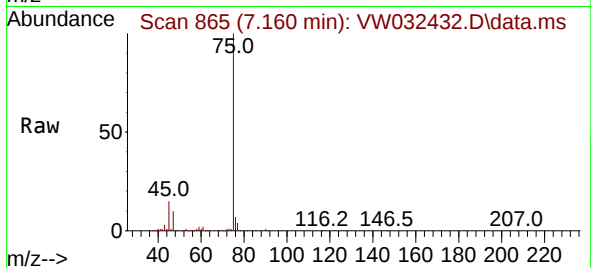
Tgt Ion:	43	Resp:	8988
Ion	Ratio	Lower	Upper
43	100		
72	18.6	20.0	30.0#



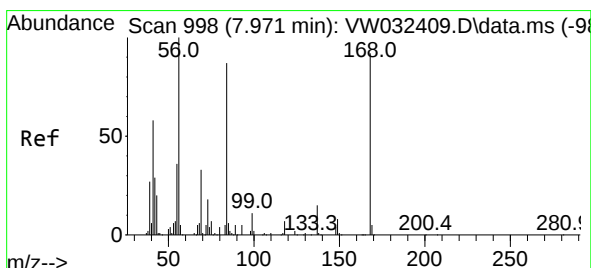
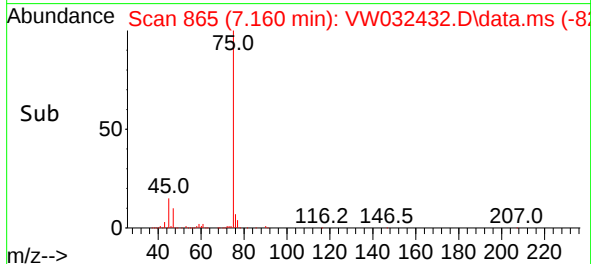
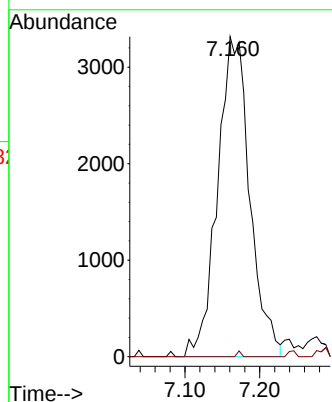


#26
2,2-Dichloropropane
Concen: 2.919 ug/l
RT: 7.160 min Scan# 80
Delta R.T. -0.025 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

Instrument :
MSVOA_W
ClientSampleId :

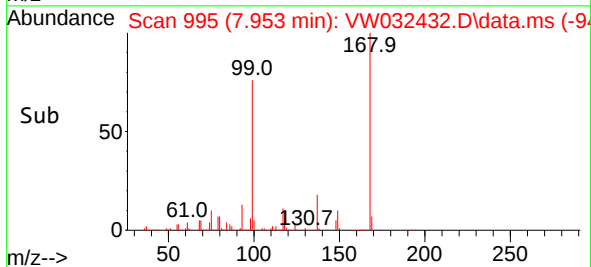
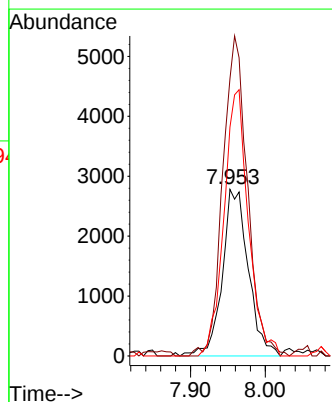
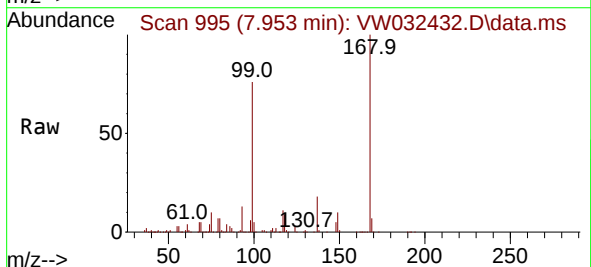


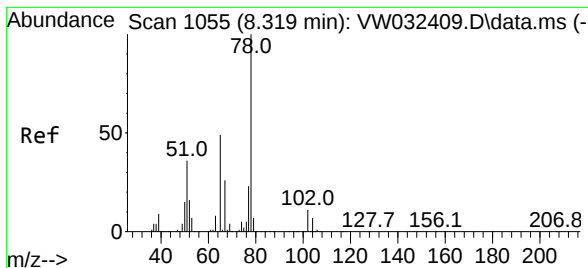
Tgt Ion: 77 Resp: 9950
Ion Ratio Lower Upper
77 100
97 0.2 12.3 36.8#



#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.019 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

Tgt Ion: 56 Resp: 6727
Ion Ratio Lower Upper
56 100
69 166.4 26.5 39.7#
84 137.3 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 83.031 ug/l

RT: 8.319 min Scan# 110

Delta R.T. -0.000 min

Lab File: VW032432.D

Acq: 11 Nov 2025 15:43

Instrument :

MSVOA_W

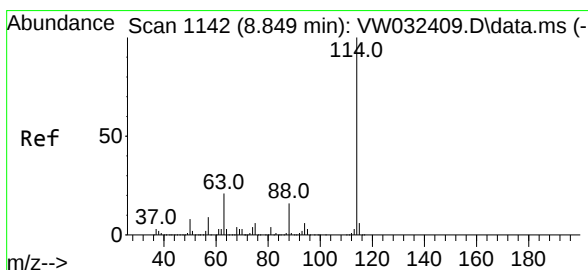
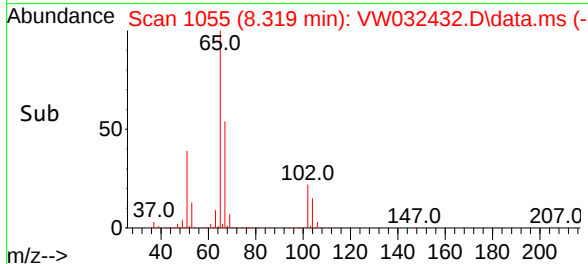
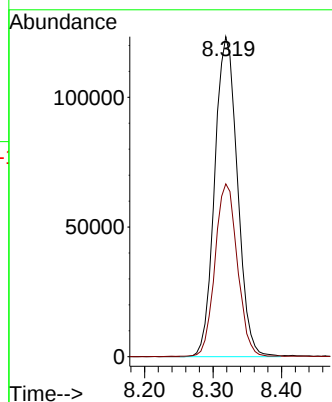
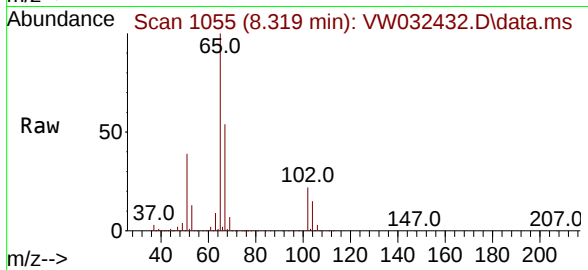
ClientSampleId :

Tgt Ion: 65 Resp: 283940

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032432.D

Acq: 11 Nov 2025 15:43

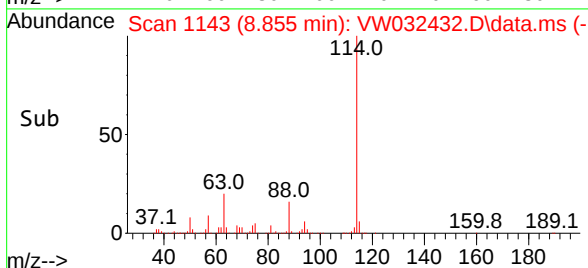
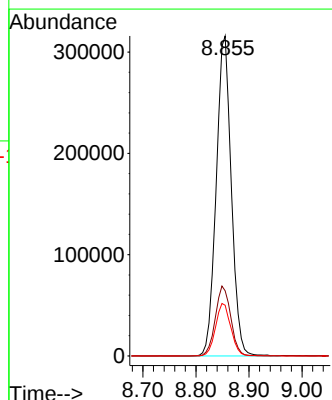
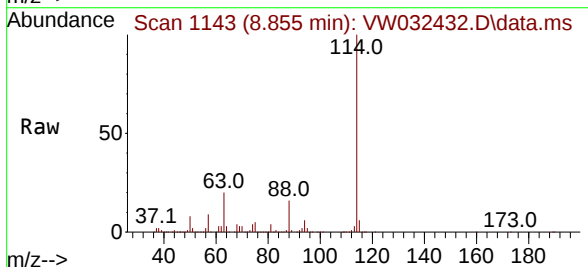
Tgt Ion: 114 Resp: 623630

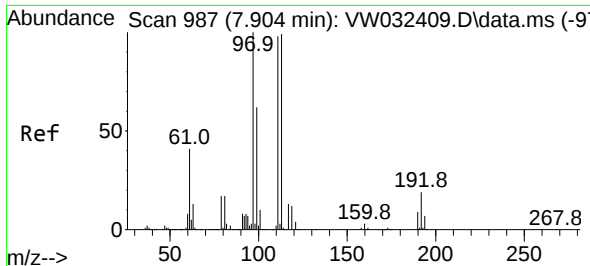
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.8

88 15.9 0.0 32.6

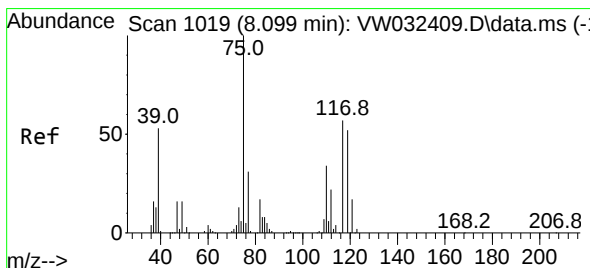
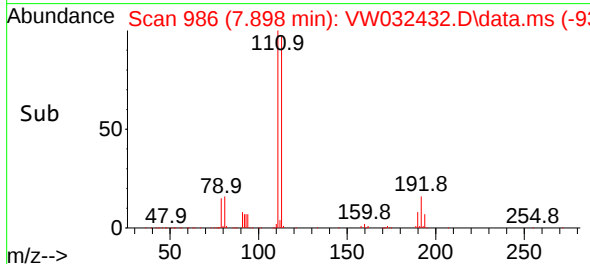
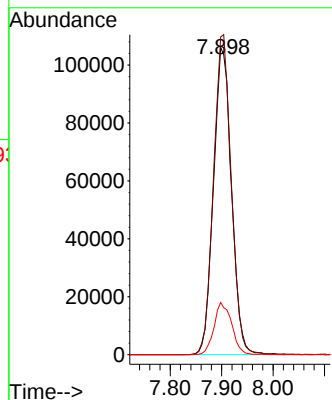
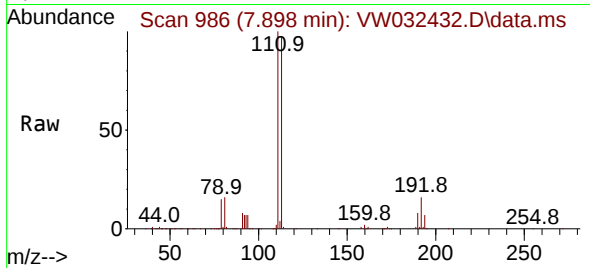




#35
Dibromofluoromethane
Concen: 69.117 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

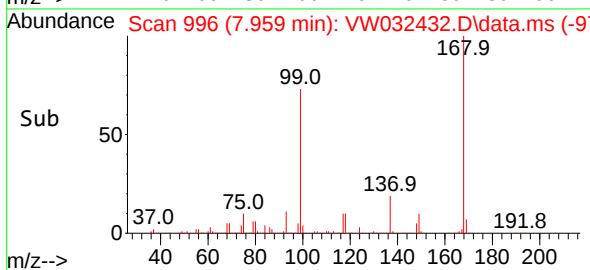
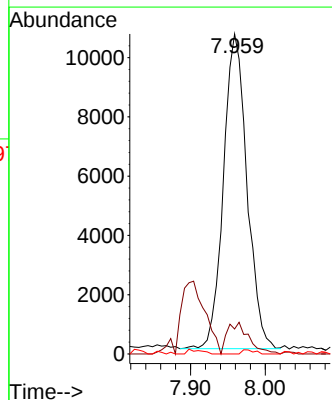
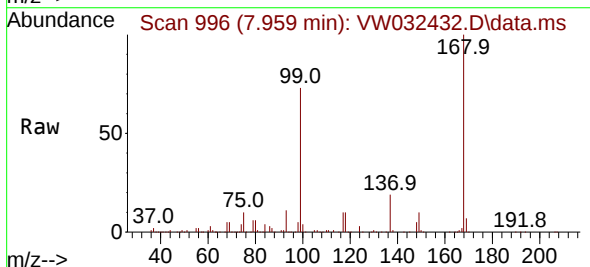
Instrument :
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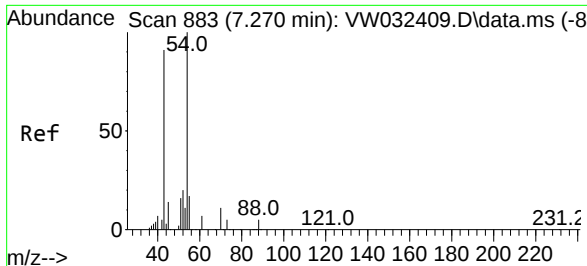
Tgt Ion:113 Resp: 258069
Ion Ratio Lower Upper
113 100
111 102.6 83.1 124.7
192 16.7 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.229 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

Tgt Ion: 75 Resp: 23268
Ion Ratio Lower Upper
75 100
110 9.2 17.2 51.5#
77 0.7 24.5 36.7#





#37

Ethyl Acetate

Concen: 2.197 ug/l

RT: 7.160 min Scan# 8

Delta R.T. -0.110 min

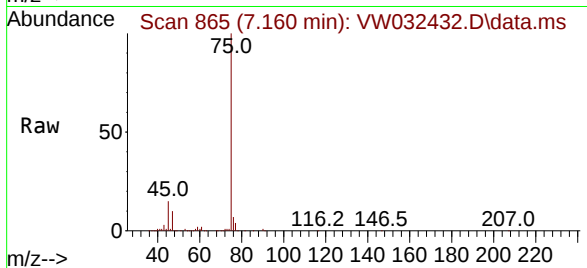
Lab File: VW032432.D

Acq: 11 Nov 2025 15:43

Instrument :

MSVOA_W

ClientSampleId :



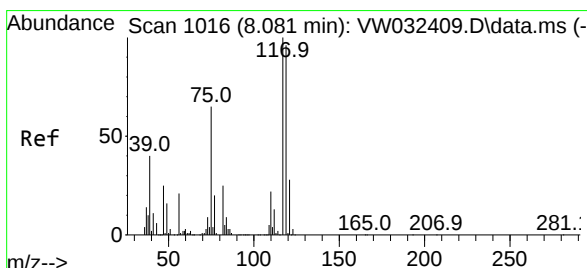
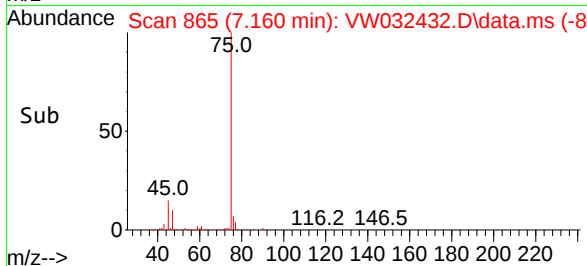
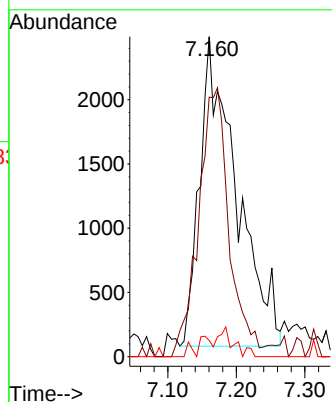
Tgt Ion: 43 Resp: 8988

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 2.1 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.804 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032432.D

Acq: 11 Nov 2025 15:43

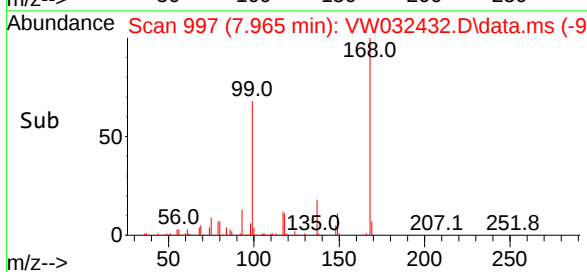
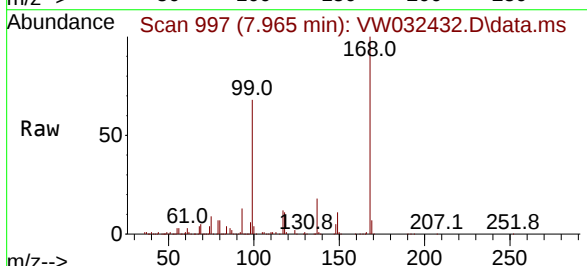
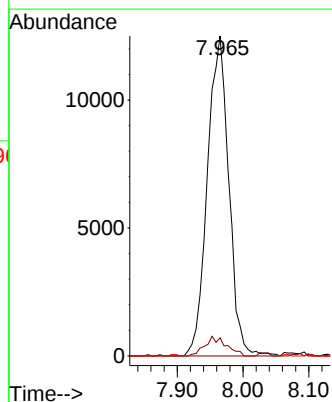
Tgt Ion: 117 Resp: 28373

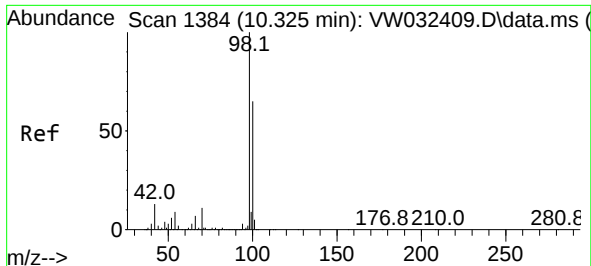
Ion Ratio Lower Upper

117 100

119 5.7 77.0 115.4#

121 0.0 22.0 33.0#

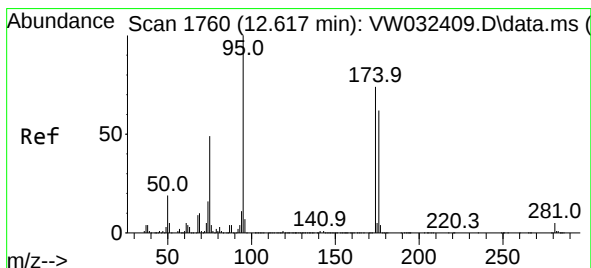
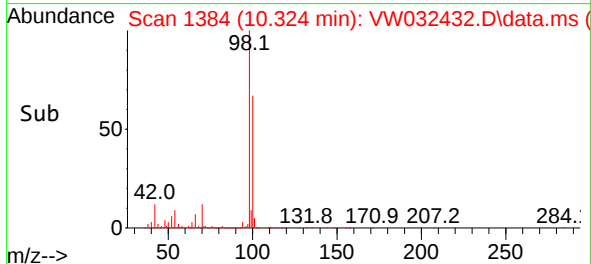
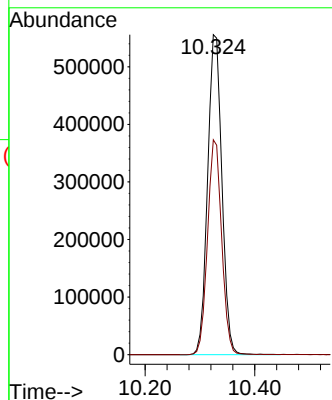
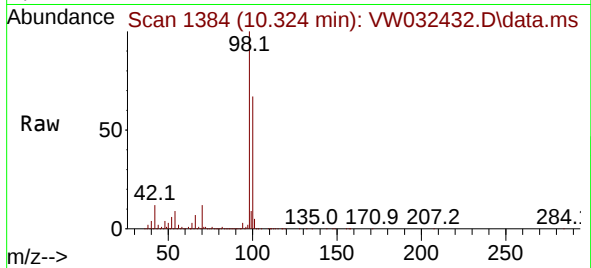




#50
Toluene-d8
Concen: 69.872 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

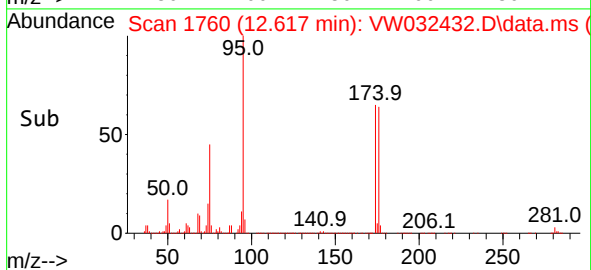
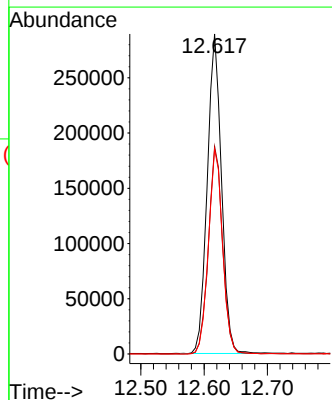
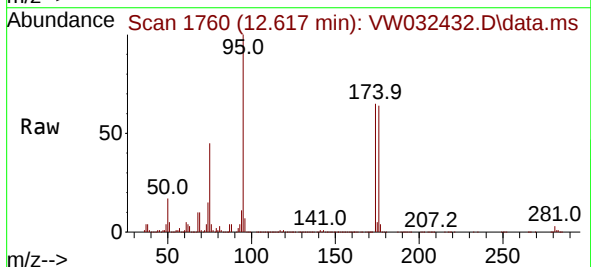
Instrument :
MSVOA_W
ClientSampleId :

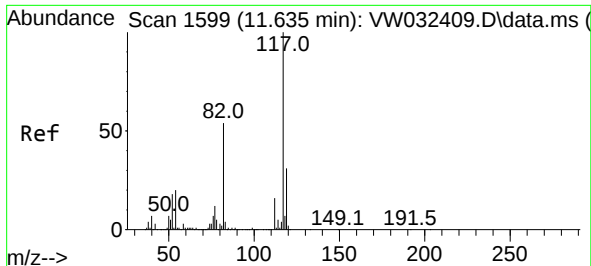
Tgt Ion: 98 Resp: 1000853
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 83.615 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

Tgt Ion: 95 Resp: 452448
Ion Ratio Lower Upper
95 100
174 64.4 0.0 135.4
176 63.9 0.0 131.8

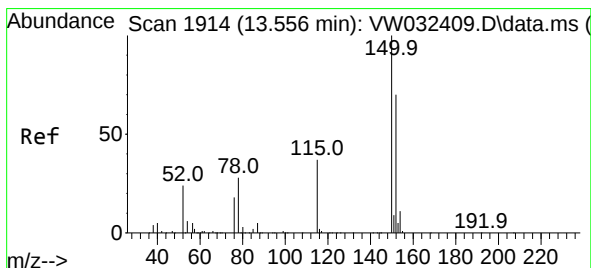
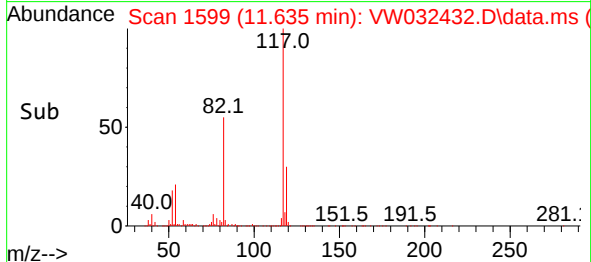
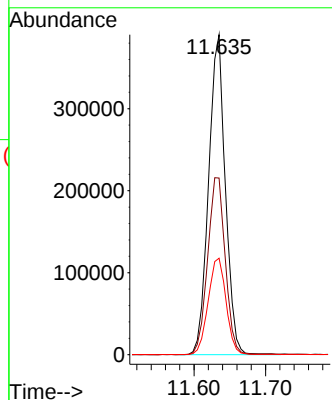
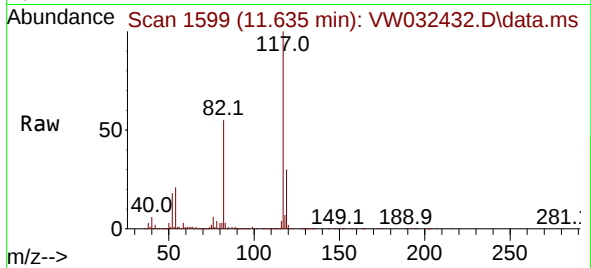




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

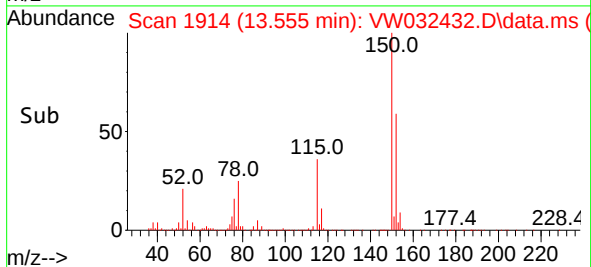
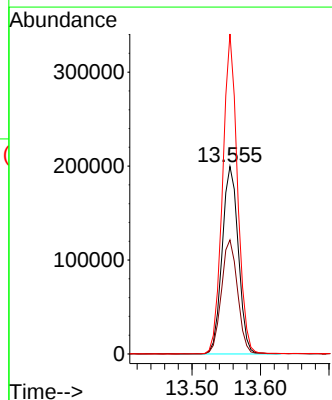
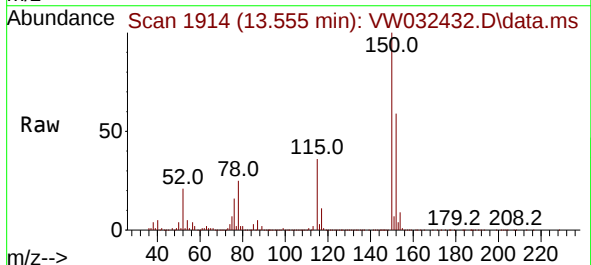
Instrument :
MSVOA_W
ClientSampleId :

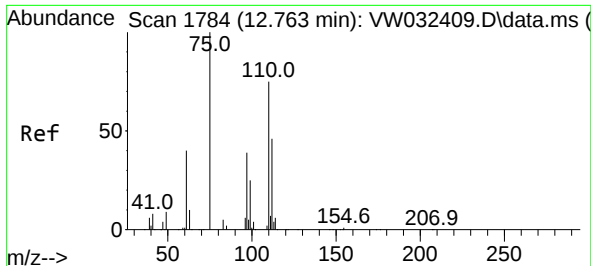
Tgt Ion:117 Resp: 634163
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 30.1 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

Tgt Ion:152 Resp: 326273
Ion Ratio Lower Upper
152 100
115 60.4 32.8 98.3
150 157.5 0.0 356.6

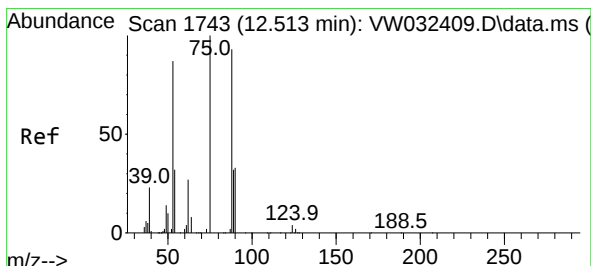
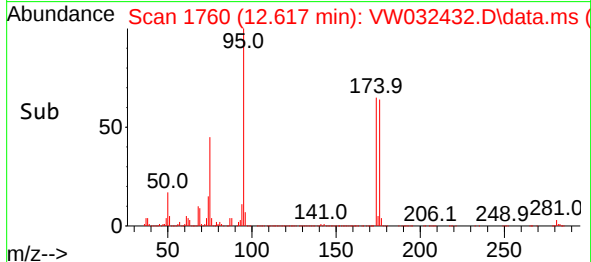
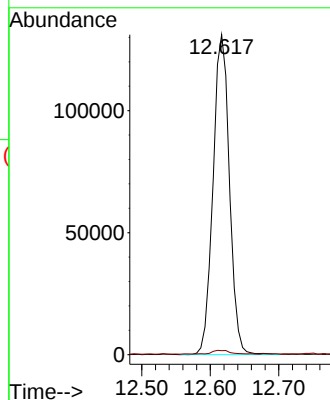
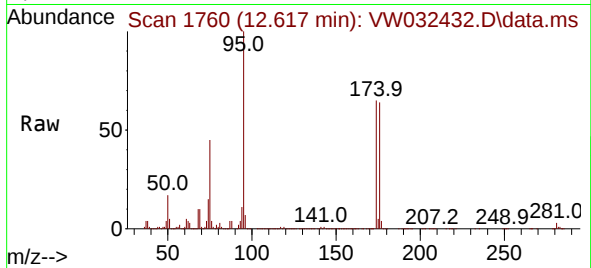




#76
1,2,3-Trichloropropane
Concen: 48.702 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 217880
Ion Ratio Lower Upper
75 100
77 1.5 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.549 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032432.D
Acq: 11 Nov 2025 15:43

Tgt Ion: 75 Resp: 217880
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.2 35.6 53.4#

