

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032412.D
 Acq On : 10 Nov 2025 17:22
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 11 03:51:09 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)

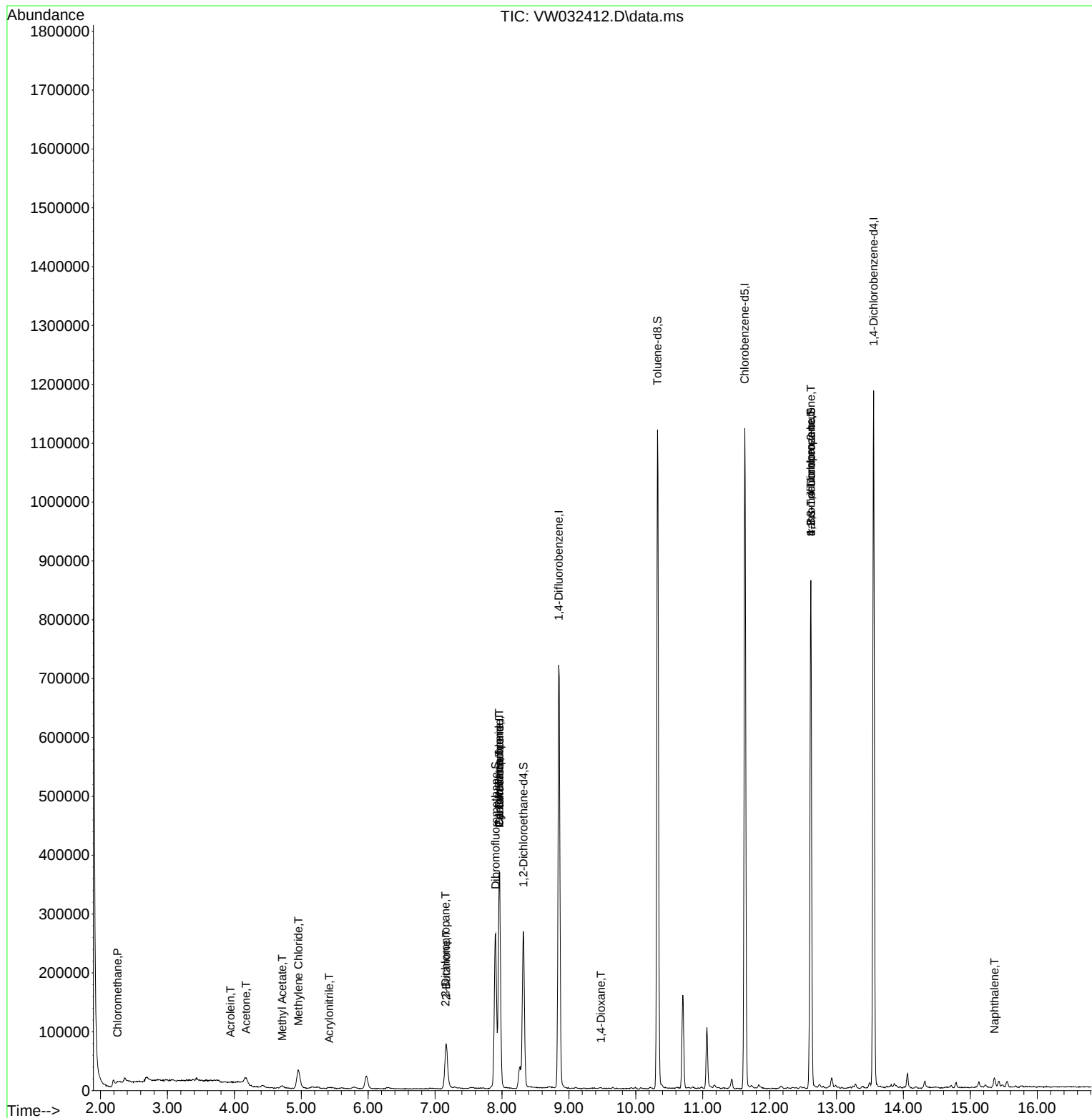
Internal Standards						
1) Pentafluorobenzene	7.965	168	263076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	612902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	619063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	312205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	214026	63.103	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 126.200%		
35) Dibromofluoromethane	7.904	113	199712	54.424	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 108.840%		
50) Toluene-d8	10.325	98	747125	53.071	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 106.140%		
62) 4-Bromofluorobenzene	12.617	95	307157	57.758	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 115.520%		
Target Compounds						Qvalue
3) Chloromethane	2.253	50	2646	1.157	ug/l #	88
13) Acrolein	3.942	56	909	1.847	ug/l #	14
15) Acrylonitrile	5.417	53	2308	2.157	ug/l #	76
16) Acetone	4.173	43	16392	16.154	ug/l	95
18) Methyl Acetate	4.716	43	7352	2.926	ug/l	93
20) Methylene Chloride	4.960	84	26322	7.254	ug/l	89
25) 2-Butanone	7.167	43	3741	2.502	ug/l #	76
26) 2,2-Dichloropropane	7.155	77	5682	1.681	ug/l #	53
31) Cyclohexane	7.959	56	6524	1.163	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	23619	4.368	ug/l #	49
38) Carbon Tetrachloride	7.959	117	28293	5.889	ug/l #	17
49) 1,4-Dioxane	9.477	88	49	1.381	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	151812	35.463	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	151812	81.226	ug/l #	11
95) Naphthalene	15.360	128	15166	1.011	ug/l	99

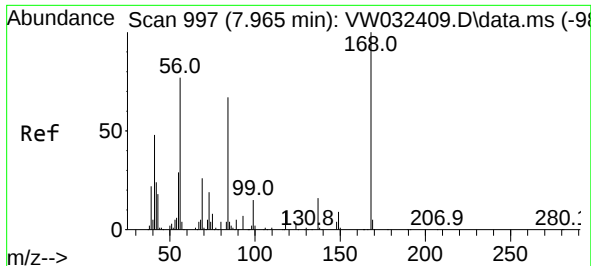
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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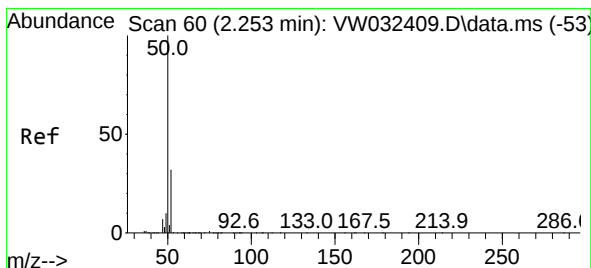
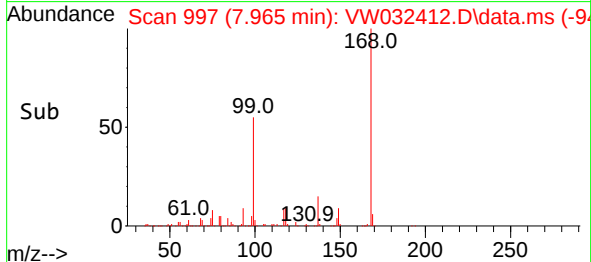
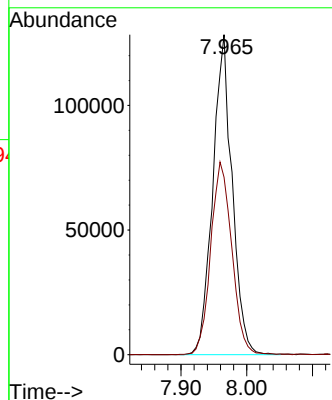
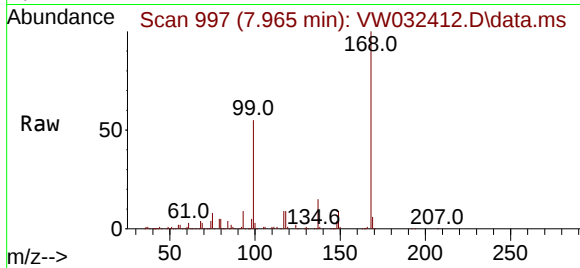




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

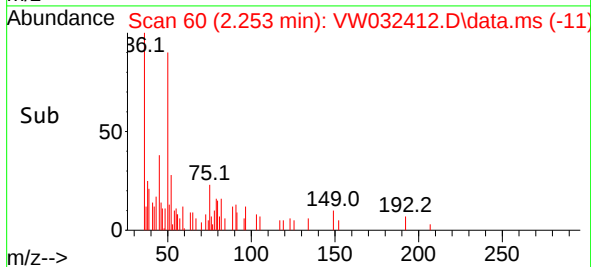
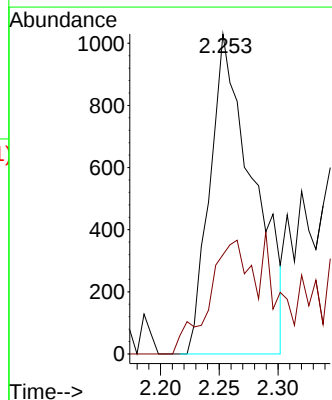
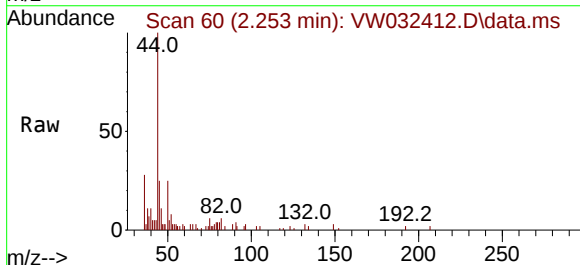
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

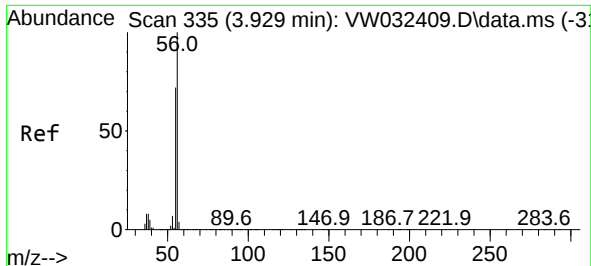
Tgt Ion:168 Resp: 263076
Ion Ratio Lower Upper
168 100
99 55.4 45.4 68.2



#3
Chloromethane
Concen: 1.157 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 50 Resp: 2646
Ion Ratio Lower Upper
50 100
52 25.2 25.5 38.3#

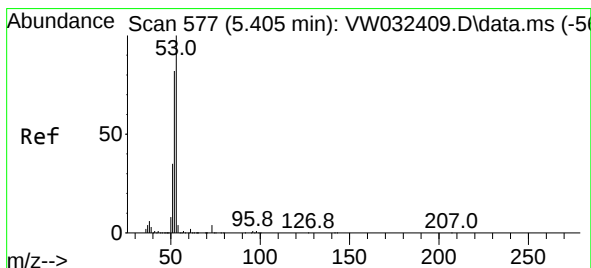
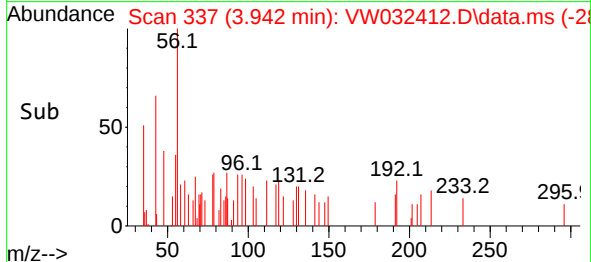
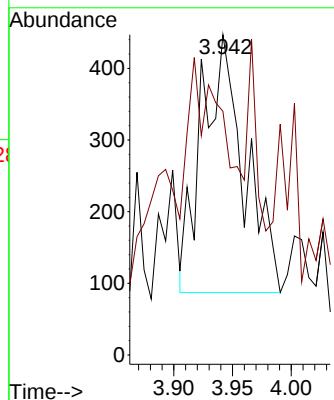
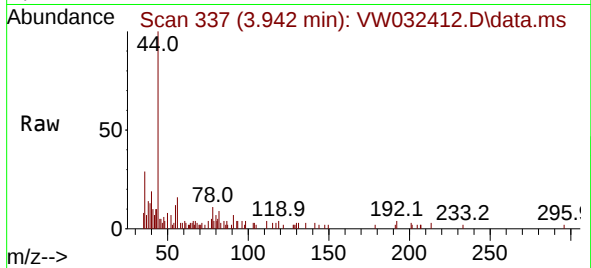




#13
Acrolein
Concen: 1.847 ug/l
RT: 3.942 min Scan# 311
Delta R.T. 0.012 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

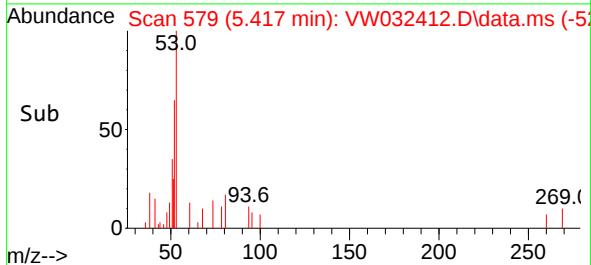
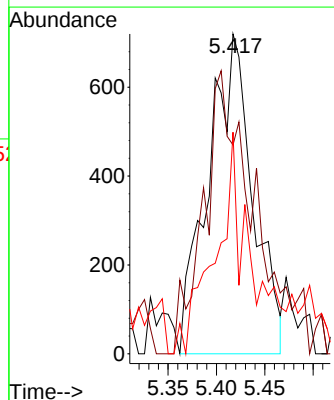
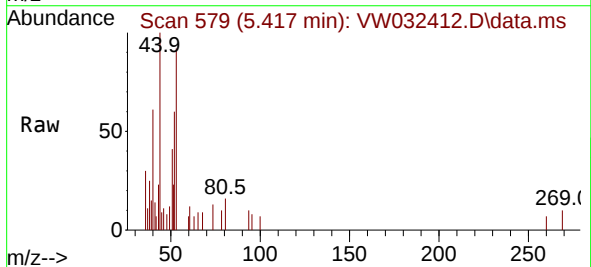
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

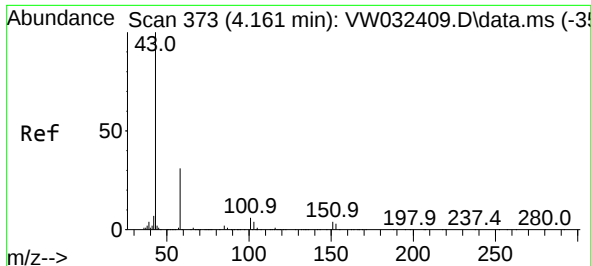
Tgt Ion: 56 Resp: 909
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#



#15
Acrylonitrile
Concen: 2.157 ug/l
RT: 5.417 min Scan# 579
Delta R.T. 0.012 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 53 Resp: 2308
Ion Ratio Lower Upper
53 100
52 101.2 66.4 99.6#
51 54.2 28.6 43.0#

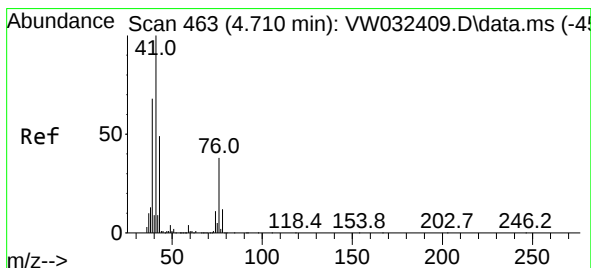
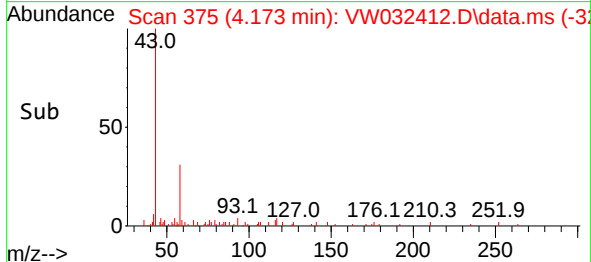
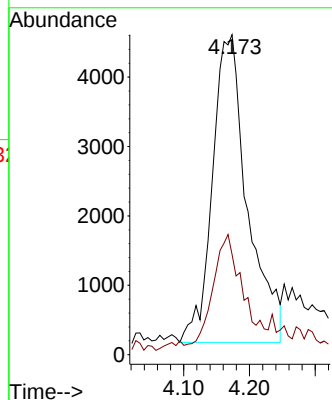
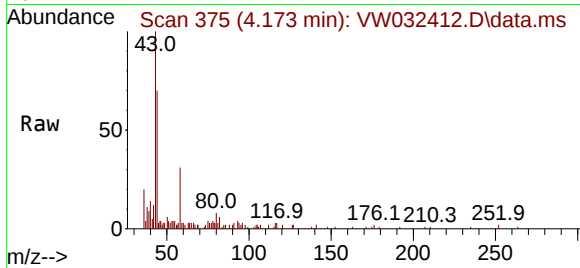




#16
Acetone
Concen: 16.154 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

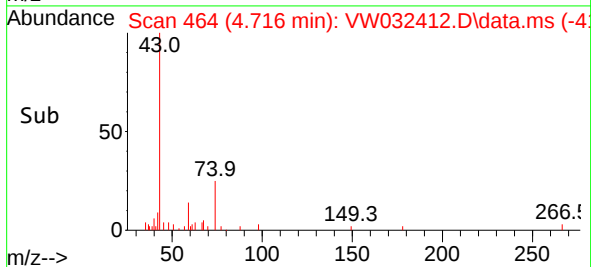
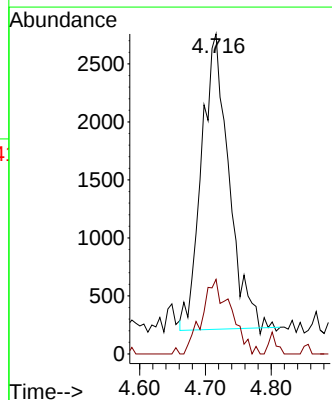
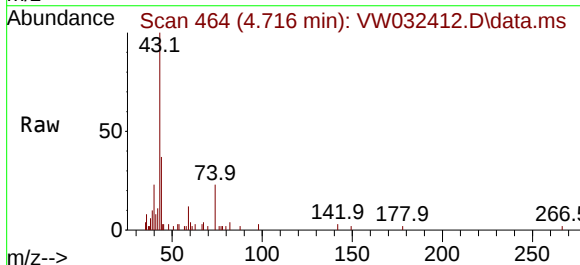
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

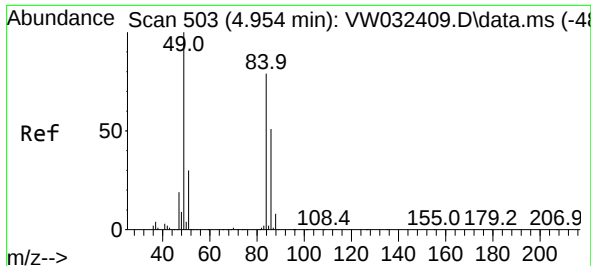
Tgt Ion: 43 Resp: 16392
Ion Ratio Lower Upper
43 100
58 28.2 24.8 37.2



#18
Methyl Acetate
Concen: 2.926 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 43 Resp: 7352
Ion Ratio Lower Upper
43 100
74 26.8 18.9 28.3

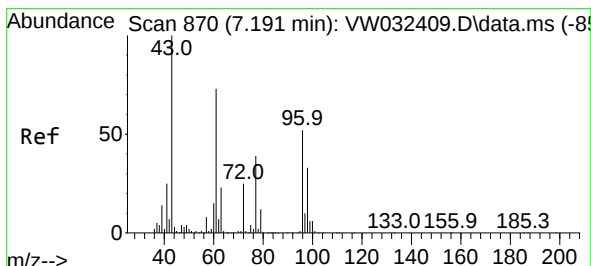
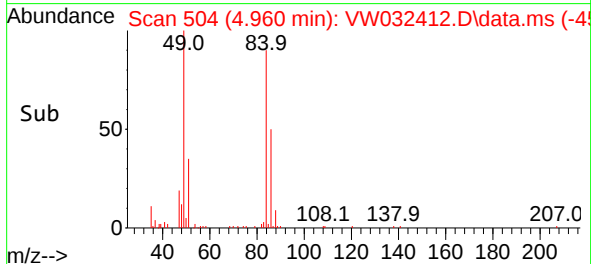
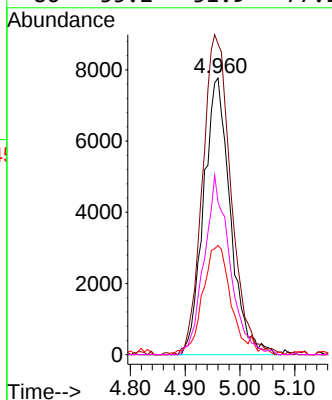
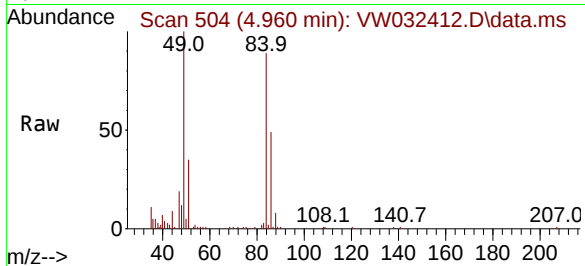




#20
Methylene Chloride
Concen: 7.254 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

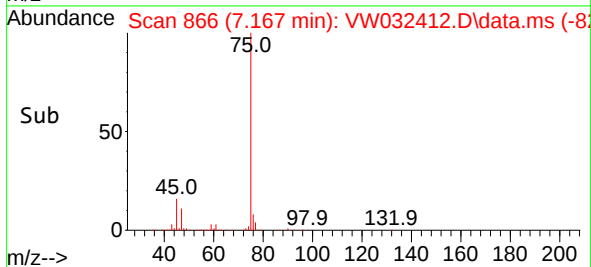
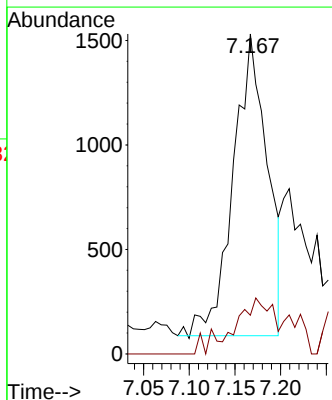
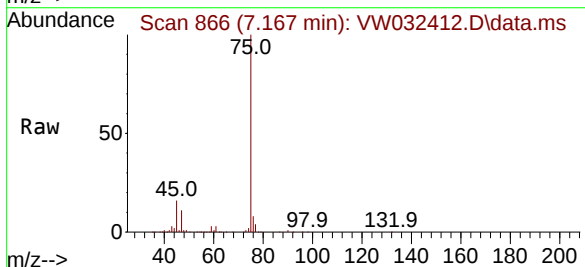
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

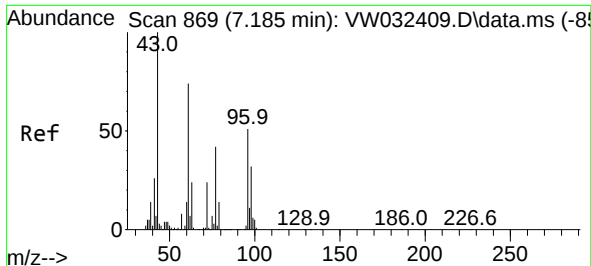
Tgt Ion:	84	Resp:	26322
Ion	Ratio	Lower	Upper
84	100		
49	112.4	101.5	152.3
51	38.5	30.6	46.0
86	55.2	51.9	77.9



#25
2-Butanone
Concen: 2.502 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

Tgt Ion:	43	Resp:	3741
Ion	Ratio	Lower	Upper
43	100		
72	12.8	20.0	30.0#

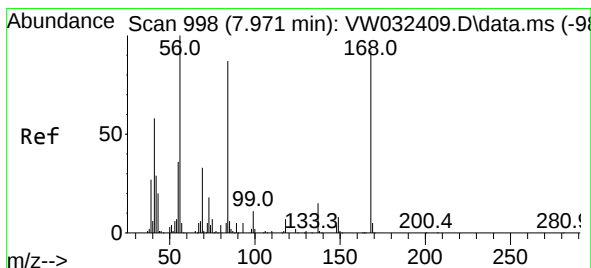
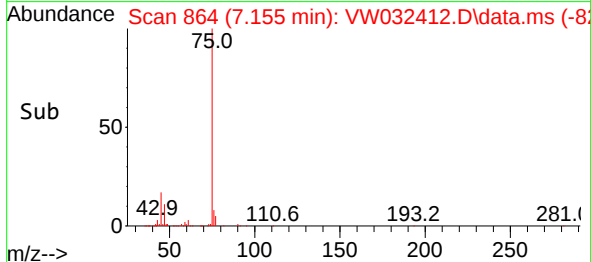
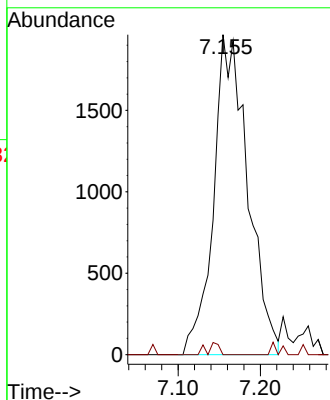
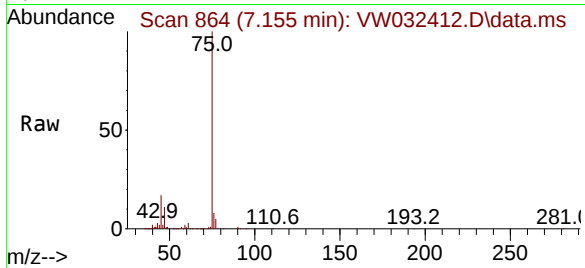




#26
2,2-Dichloropropane
Concen: 1.681 ug/l
RT: 7.155 min Scan# 864
Delta R.T. -0.030 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

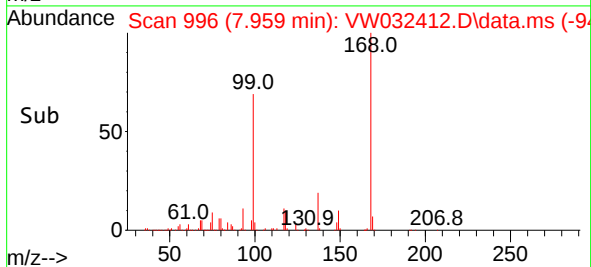
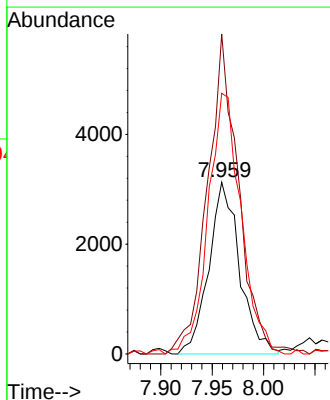
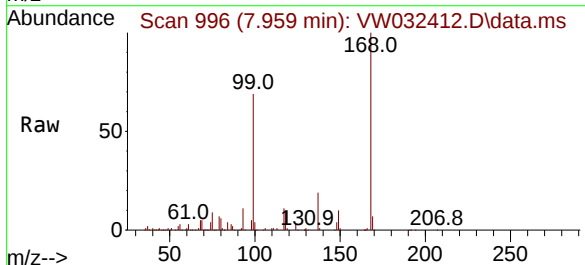
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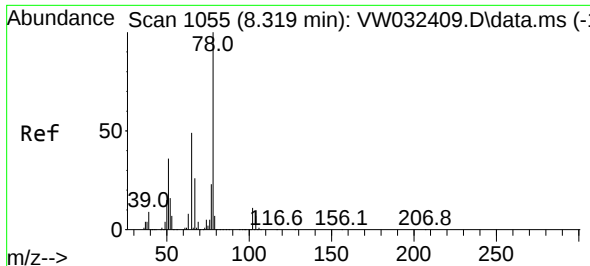
Tgt Ion: 77 Resp: 5682
Ion Ratio Lower Upper
77 100
97 1.3 12.3 36.8#



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 56 Resp: 6524
Ion Ratio Lower Upper
56 100
69 182.6 26.5 39.7#
84 150.1 69.6 104.4#

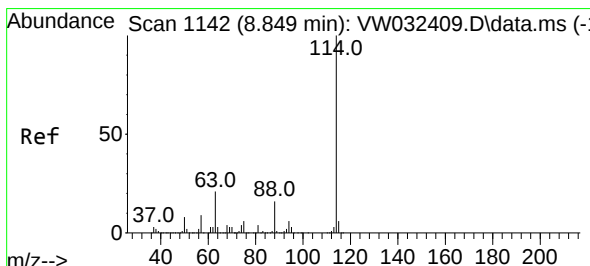
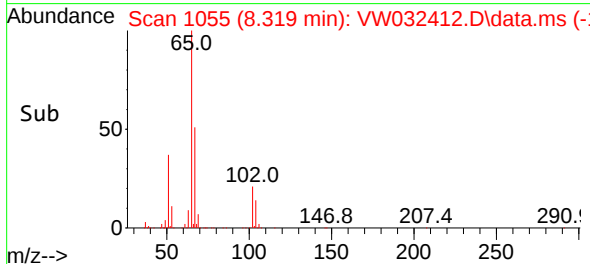
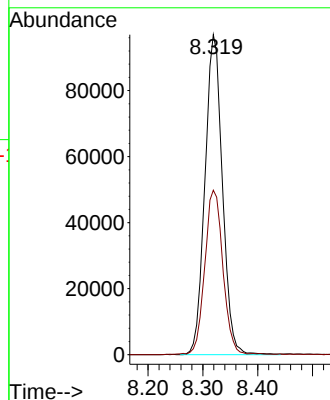
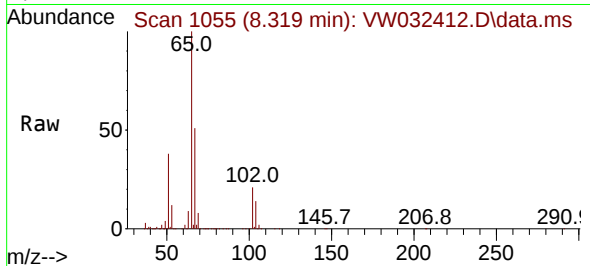




#33
 1,2-Dichloroethane-d4
 Concen: 63.103 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032412.D
 Acq: 10 Nov 2025 17:22

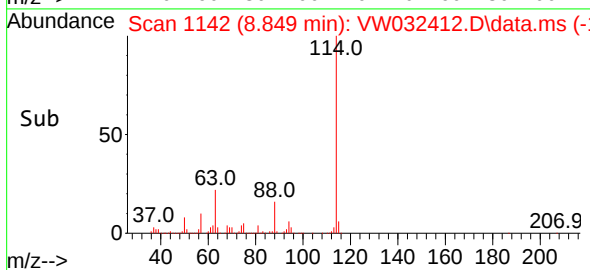
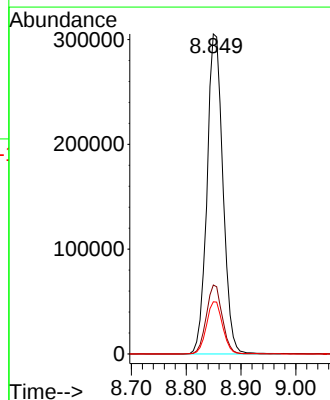
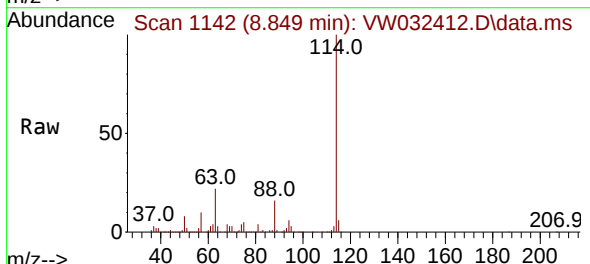
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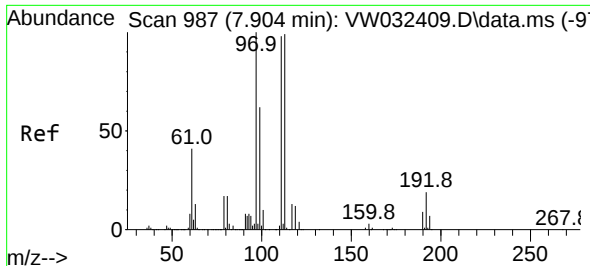
Tgt Ion: 65 Resp: 214026
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032412.D
 Acq: 10 Nov 2025 17:22

Tgt Ion: 114 Resp: 612902
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 41.8
 88 16.3 0.0 32.6

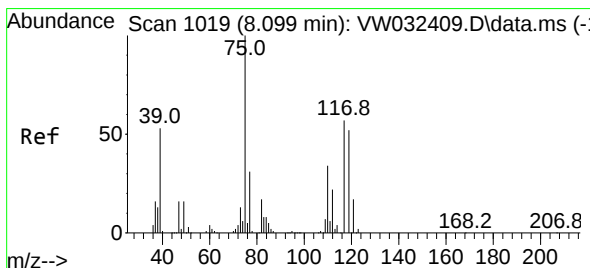
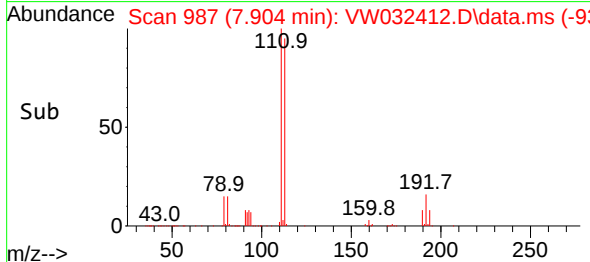
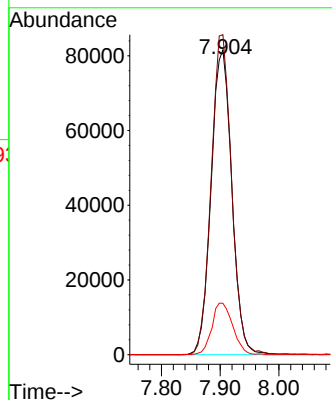
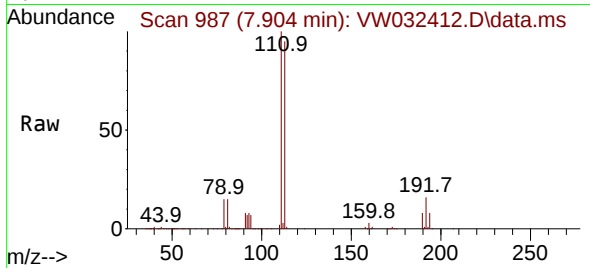




#35
Dibromofluoromethane
Concen: 54.424 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

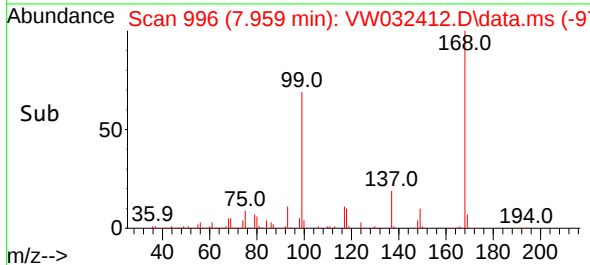
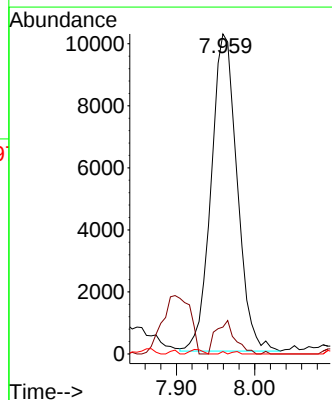
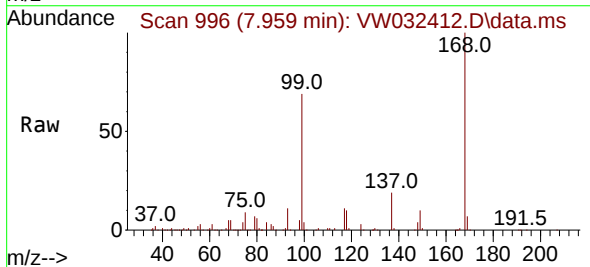
Instrument :
MSVOA_W
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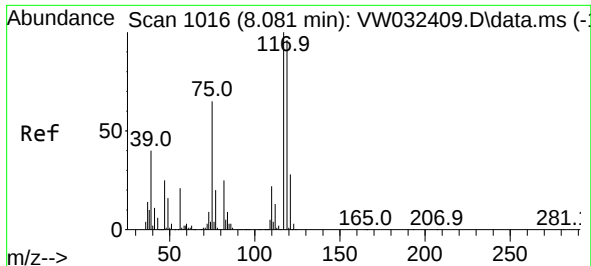
Tgt Ion:113 Resp: 199712
Ion Ratio Lower Upper
113 100
111 103.3 83.1 124.7
192 17.1 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.368 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 75 Resp: 23619
Ion Ratio Lower Upper
75 100
110 7.7 17.2 51.5#
77 0.1 24.5 36.7#

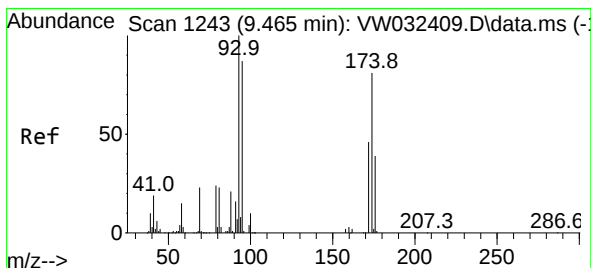
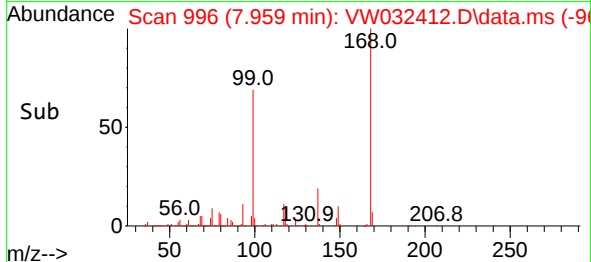
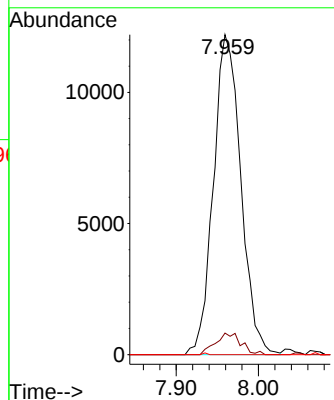
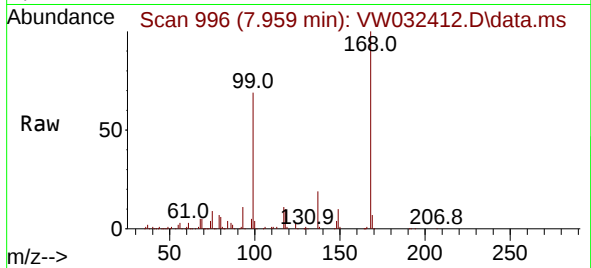




#38
Carbon Tetrachloride
Concen: 5.889 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

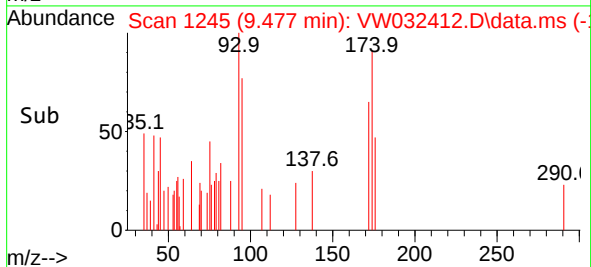
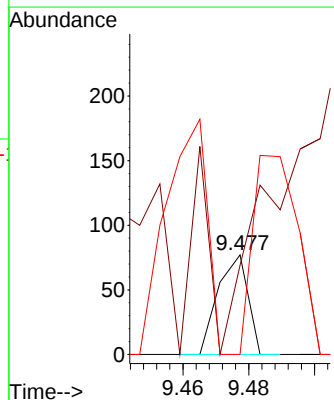
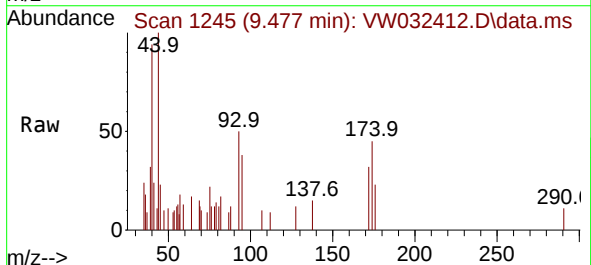
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

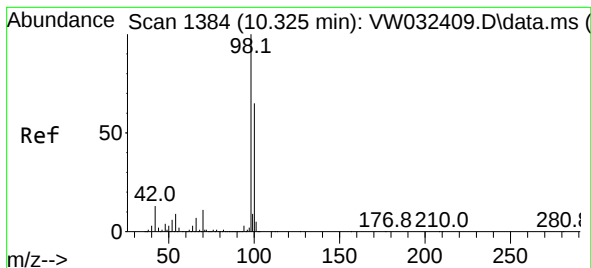
Tgt Ion:117 Resp: 28293
Ion Ratio Lower Upper
117 100
119 6.8 77.0 115.4#
121 0.0 22.0 33.0#



#49
1,4-Dioxane
Concen: 1.381 ug/l
RT: 9.477 min Scan# 1245
Delta R.T. 0.012 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 300.0 63.0 94.4#

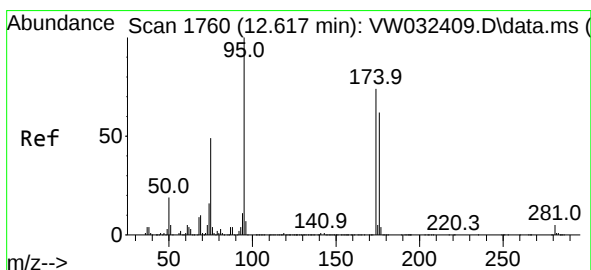
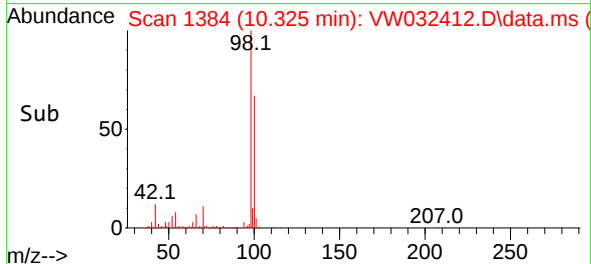
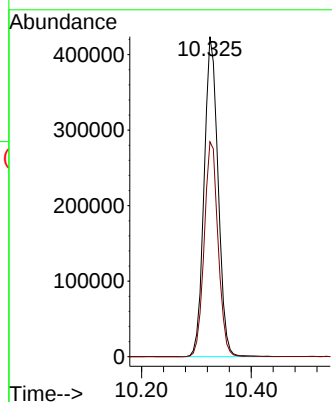
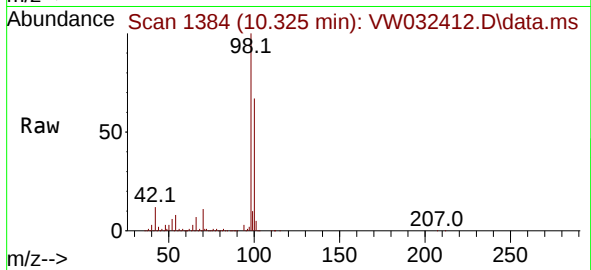




#50
Toluene-d8
Concen: 53.071 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

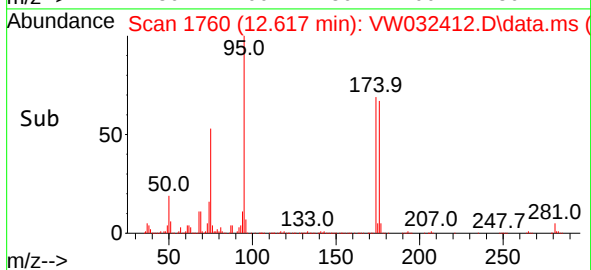
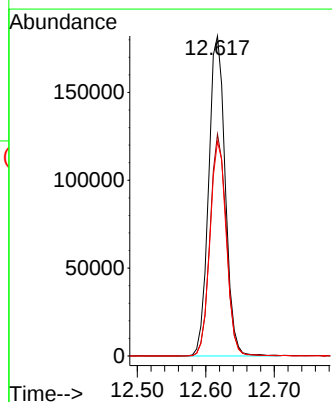
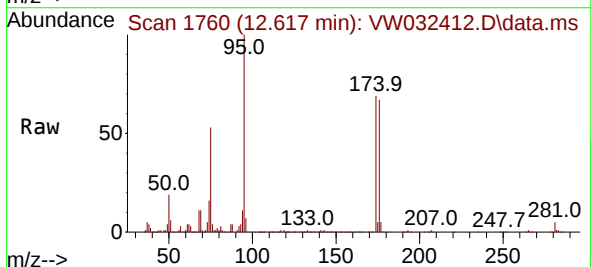
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

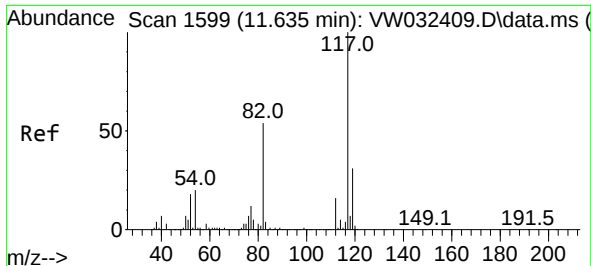
Tgt Ion: 98 Resp: 747125
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 57.758 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 95 Resp: 307157
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.4
176 66.1 0.0 131.8

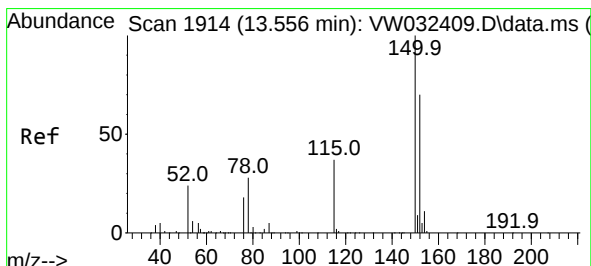
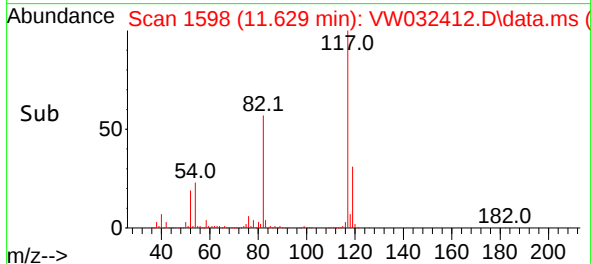
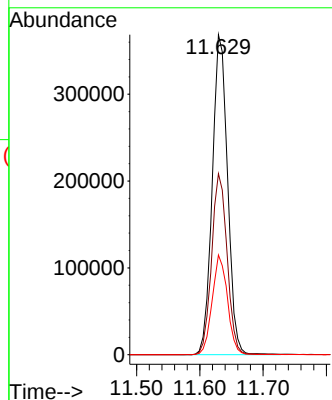
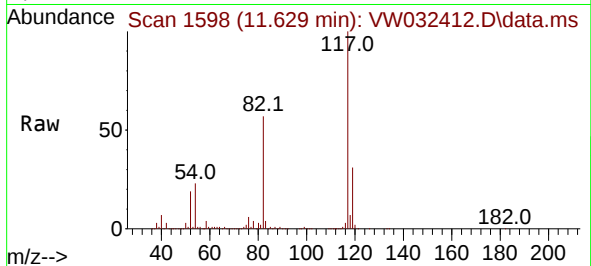




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

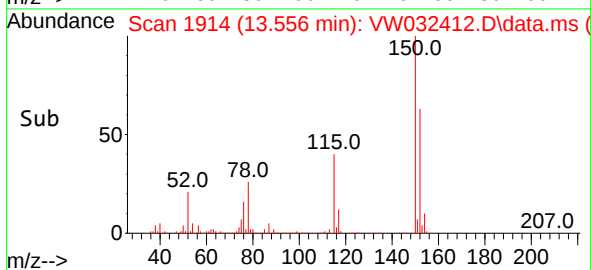
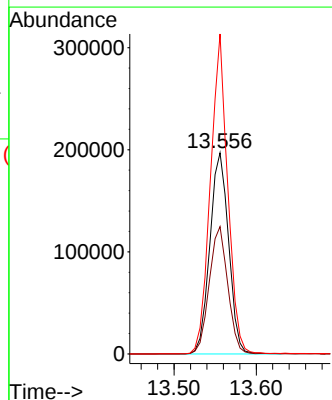
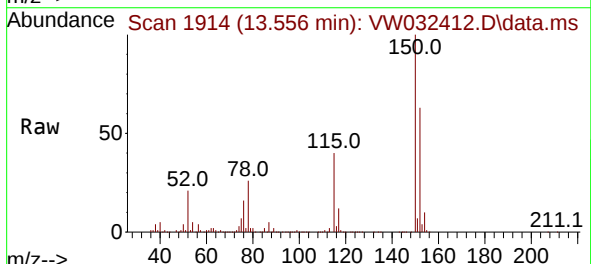
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

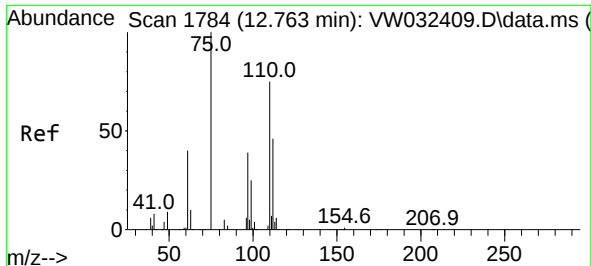
Tgt Ion:	117	Resp:	619063
Ion	Ratio	Lower	Upper
117	100		
82	56.5	43.0	64.4
119	31.1	25.0	37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

Tgt Ion:	152	Resp:	312205
Ion	Ratio	Lower	Upper
152	100		
115	62.5	32.8	98.3
150	146.7	0.0	356.6

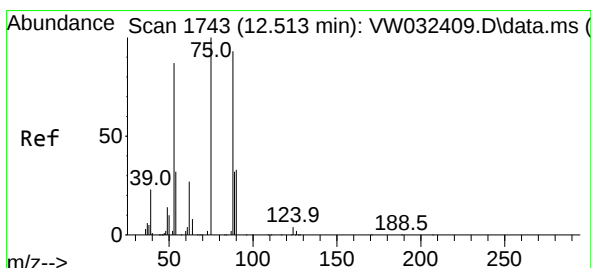
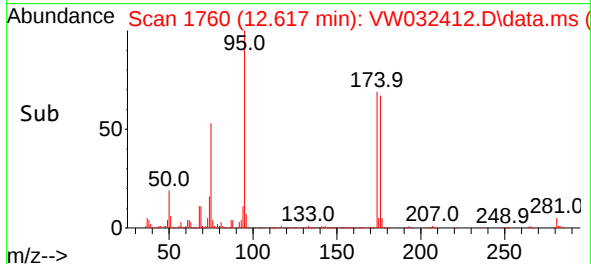
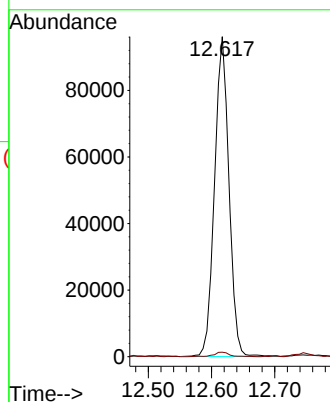
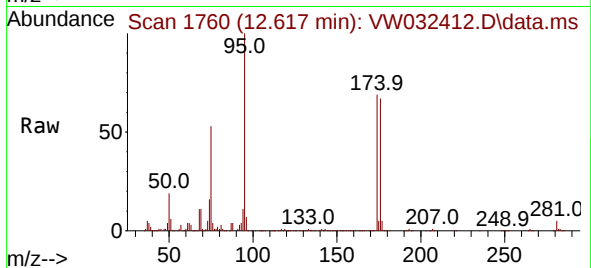




#76
1,2,3-Trichloropropane
Concen: 35.463 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

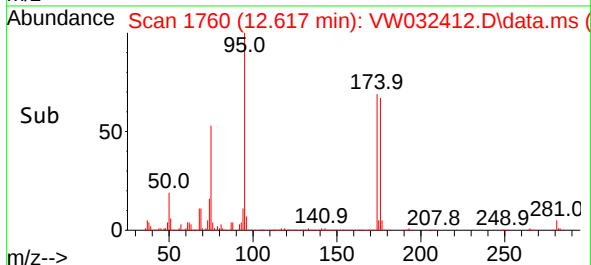
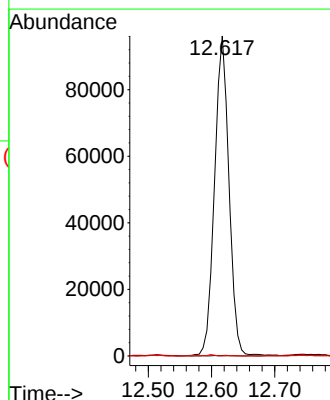
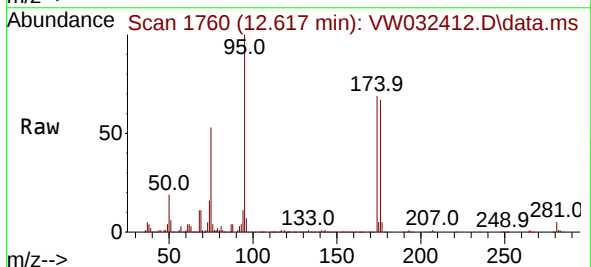
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

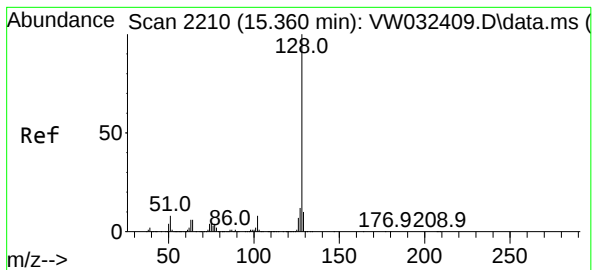
Tgt Ion: 75 Resp: 151812
Ion Ratio Lower Upper
75 100
77 1.6 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.226 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032412.D
Acq: 10 Nov 2025 17:22

Tgt Ion: 75 Resp: 151812
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 35.6 53.4#





#95
 Naphthalene
 Concen: 1.011 ug/l
 RT: 15.360 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW032412.D
 Acq: 10 Nov 2025 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion:	128	Resp:	15166
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.3	8.6	12.8

