

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
 Data File : VW032512.D
 Acq On : 20 Nov 2025 09:47
 Operator : SY/MD
 Sample : VW1120SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 01:18:32 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

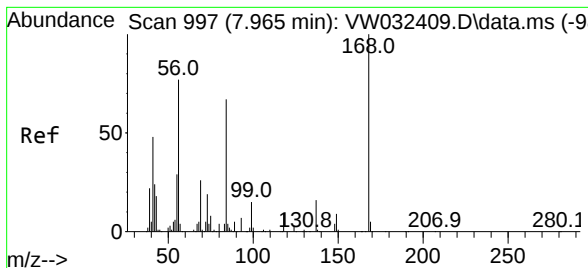
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	212448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	489513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	538564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	252970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	159048	58.069	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 116.140%		
35) Dibromofluoromethane	7.898	113	152672	52.092	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 104.180%		
50) Toluene-d8	10.325	98	516310	45.920	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 91.840%		
62) 4-Bromofluorobenzene	12.617	95	226855	53.410	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 106.820%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	760	3.209	ug/l #	1
16) Acetone	4.167	43	6814	8.316	ug/l #	88
18) Methyl Acetate	4.710	43	9430	4.647	ug/l #	79
20) Methylene Chloride	4.948	84	17502	5.972	ug/l	99
25) 2-Butanone	7.148	43	1343	1.112	ug/l #	87
31) Cyclohexane	7.953	56	5870	1.295	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	19871	4.602	ug/l #	50
38) Carbon Tetrachloride	7.953	117	23583	6.146	ug/l #	18
49) 1,4-Dioxane	9.465	88	77	2.716	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	111607	32.176	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	111607	73.697	ug/l #	11

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

Quant Time: Nov 21 01:18:32 2025
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Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

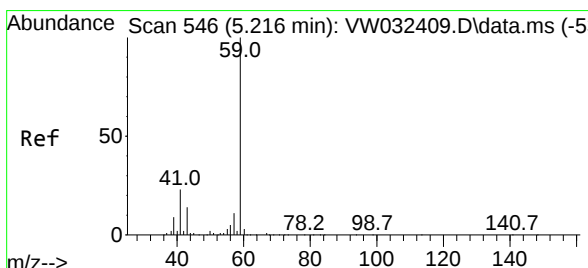
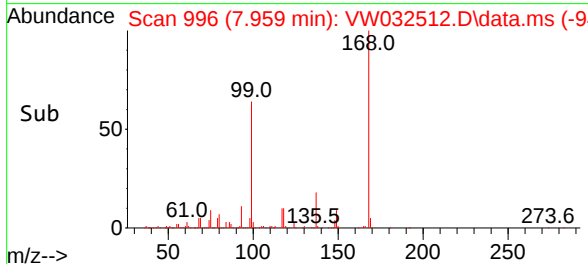
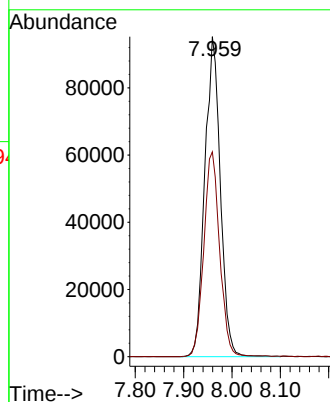
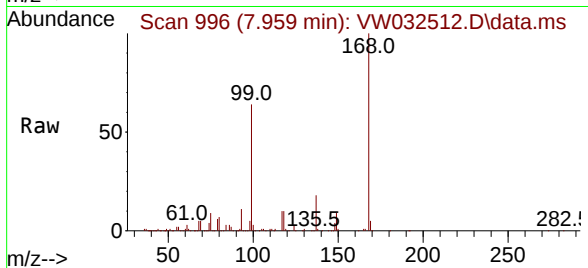




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

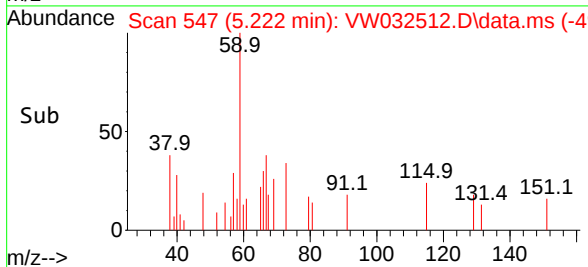
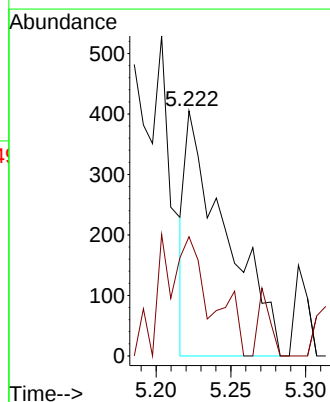
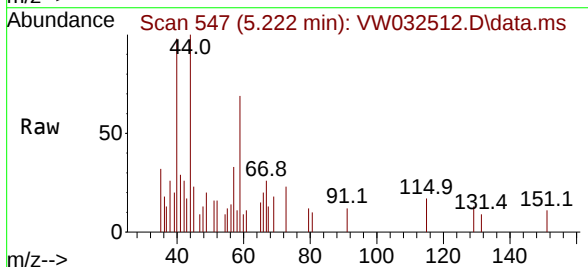
Instrument :
MSVOA_W
ClientSampleId :

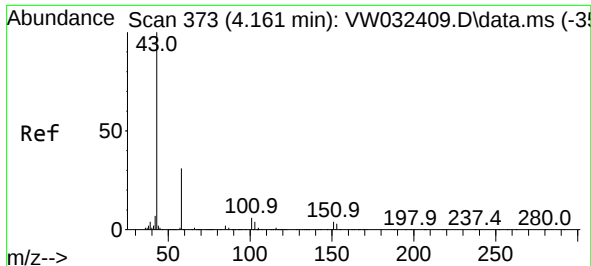
Tgt Ion:168 Resp: 212448
Ion Ratio Lower Upper
168 100
99 63.9 45.4 68.2



#11
Tert butyl alcohol
Concen: 3.209 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

Tgt Ion: 59 Resp: 760
Ion Ratio Lower Upper
59 100
57 49.5 8.6 12.8#

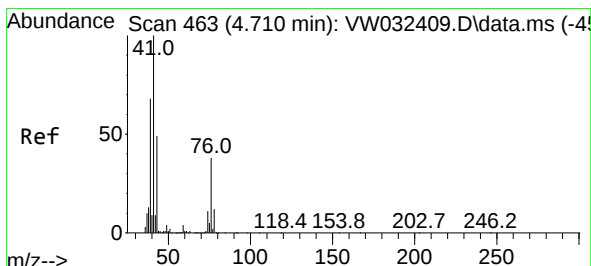
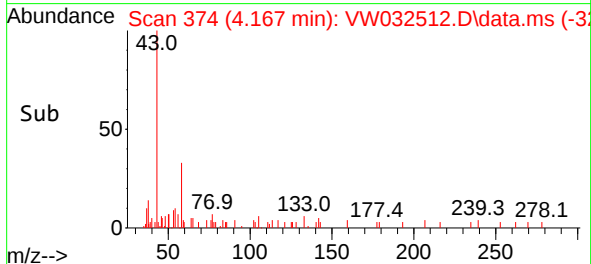
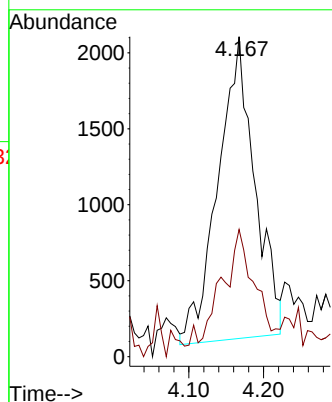
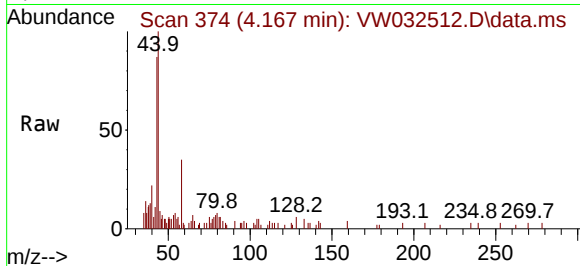




#16
Acetone
Concen: 8.316 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

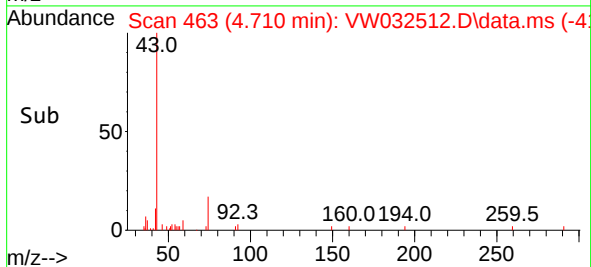
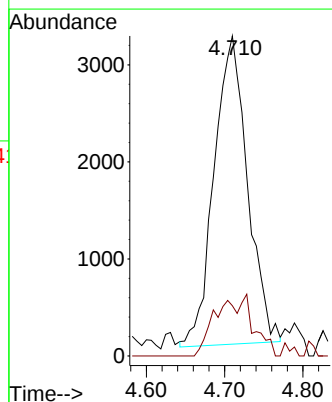
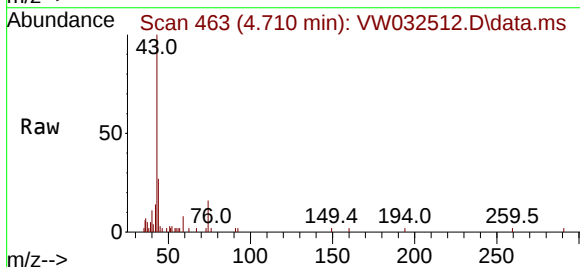
Instrument :
MSVOA_W
ClientSampleId :

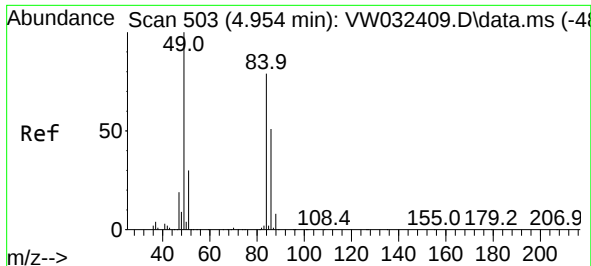
Tgt Ion: 43 Resp: 6814
Ion Ratio Lower Upper
43 100
58 37.5 24.8 37.2#



#18
Methyl Acetate
Concen: 4.647 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

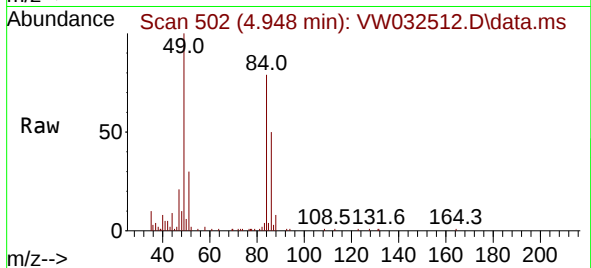
Tgt Ion: 43 Resp: 9430
Ion Ratio Lower Upper
43 100
74 13.4 18.9 28.3#



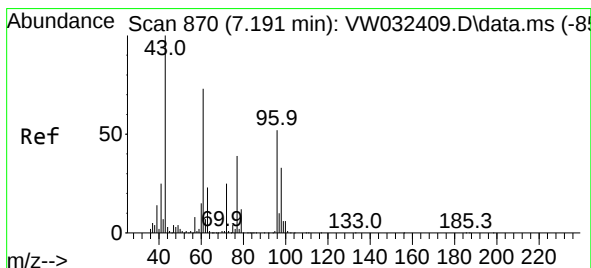
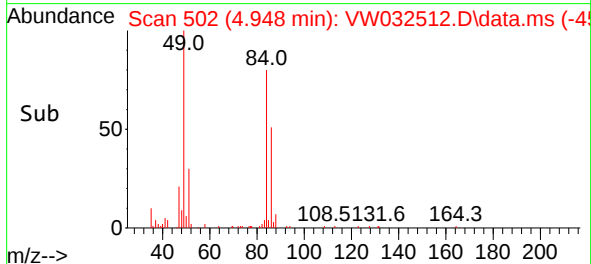
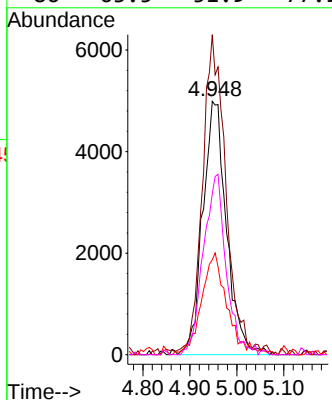


#20
Methylene Chloride
Concen: 5.972 ug/l
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

Instrument :
MSVOA_W
ClientSampleId :

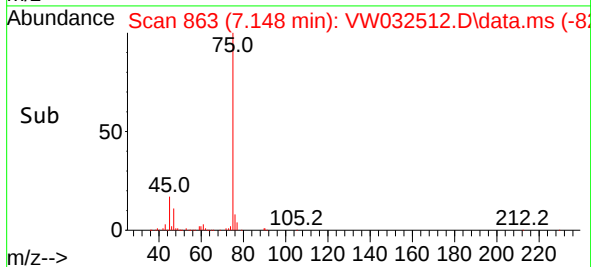
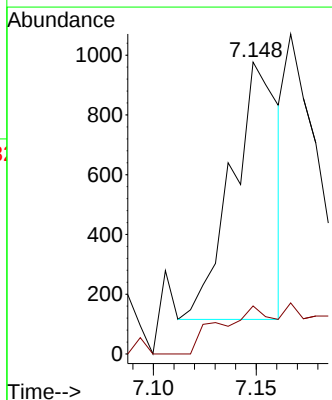
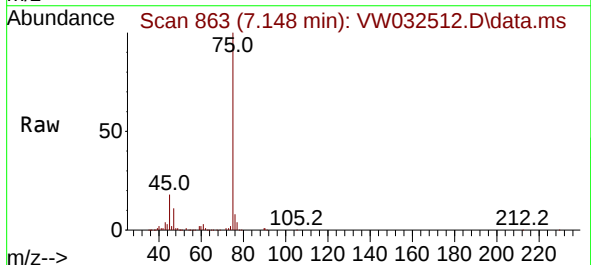


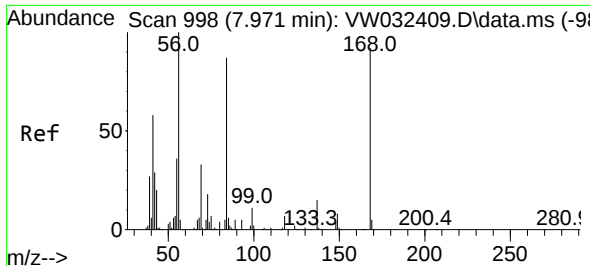
Tgt Ion:	84	Resp:	17502
Ion	Ratio	Lower	Upper
84	100		
49	126.2	101.5	152.3
51	37.4	30.6	46.0
86	63.5	51.9	77.9



#25
2-Butanone
Concen: 1.112 ug/l
RT: 7.148 min Scan# 863
Delta R.T. -0.043 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

Tgt Ion:	43	Resp:	1343
Ion	Ratio	Lower	Upper
43	100		
72	18.7	20.0	30.0#

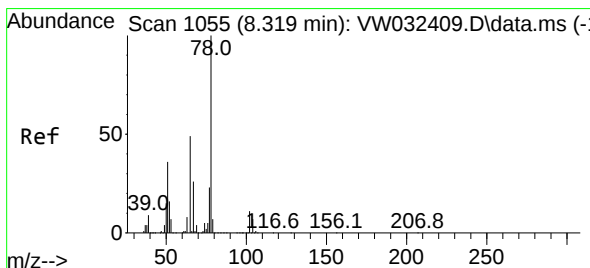
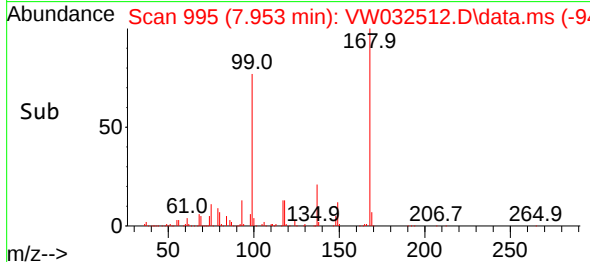
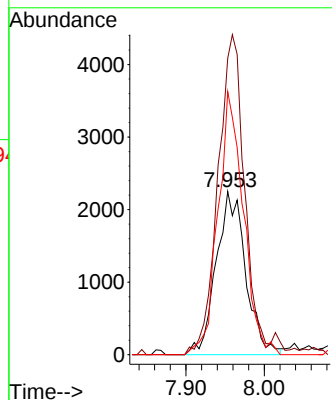
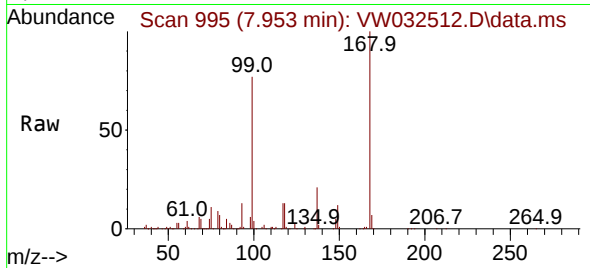




#31
Cyclohexane
Concen: 1.295 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

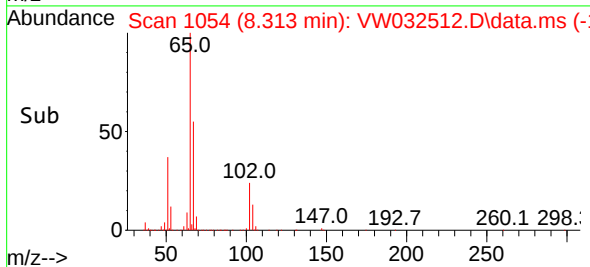
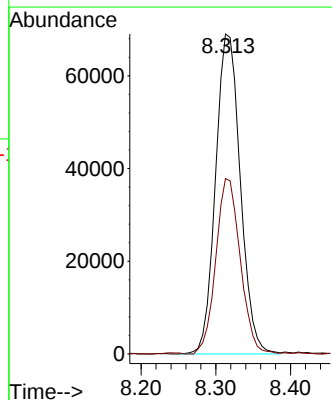
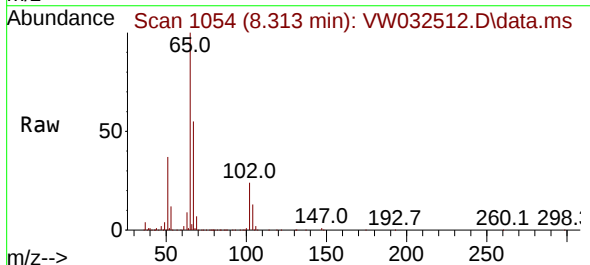
Instrument :
MSVOA_W
ClientSampleId :

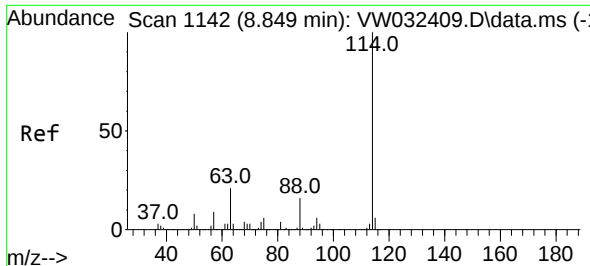
Tgt Ion: 56 Resp: 5870
Ion Ratio Lower Upper
56 100
69 181.6 26.5 39.7#
84 161.2 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 58.069 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

Tgt Ion: 65 Resp: 159048
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.8

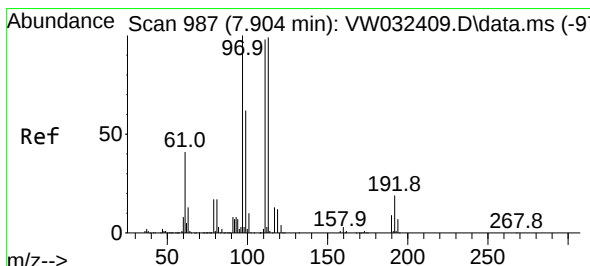
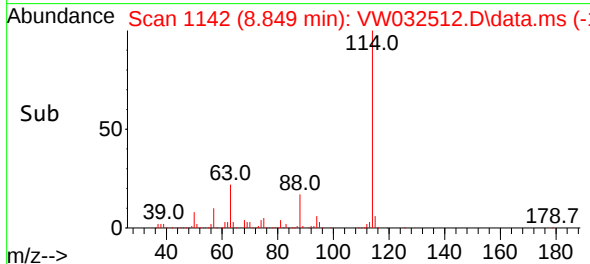
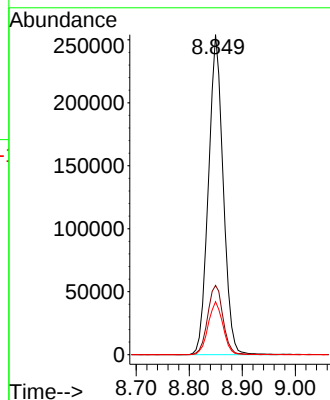
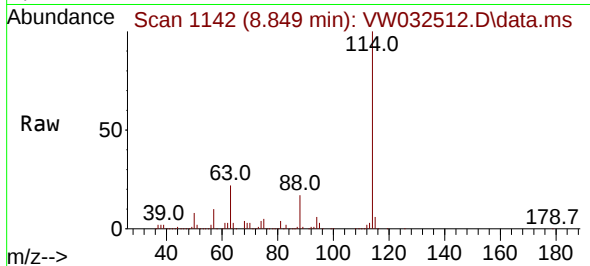




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032512.D
 Acq: 20 Nov 2025 09:47

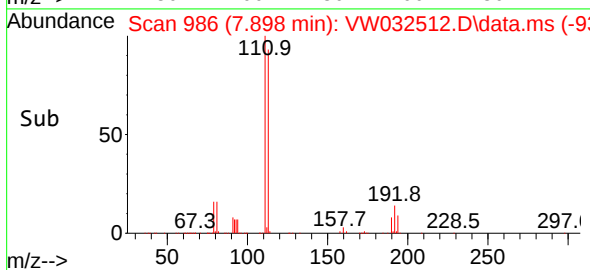
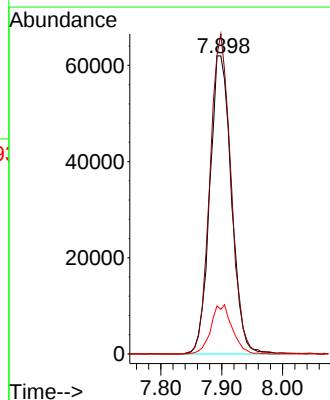
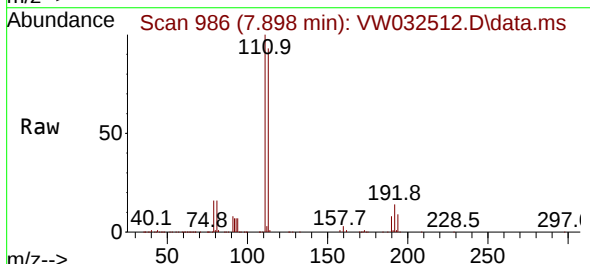
Instrument :
 MSVOA_W
 ClientSampleId :

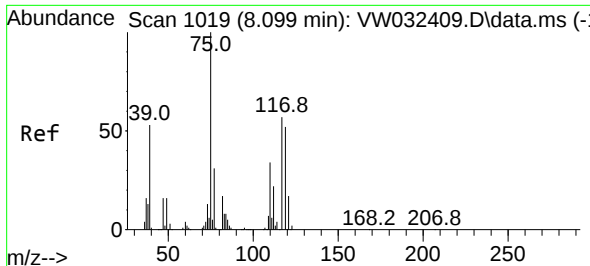
Tgt Ion:114 Resp: 489513
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.8
 88 16.6 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 52.092 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032512.D
 Acq: 20 Nov 2025 09:47

Tgt Ion:113 Resp: 152672
 Ion Ratio Lower Upper
 113 100
 111 104.9 83.1 124.7
 192 16.3 13.4 20.2

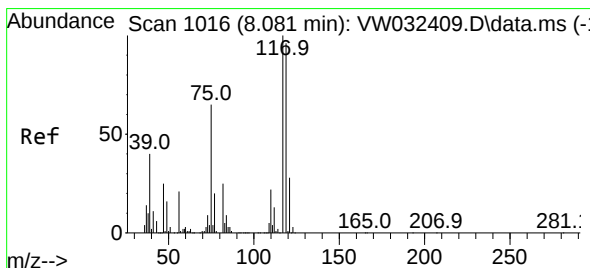
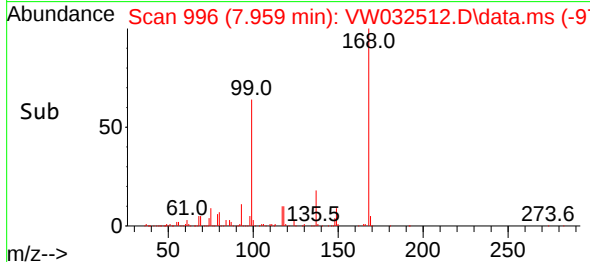
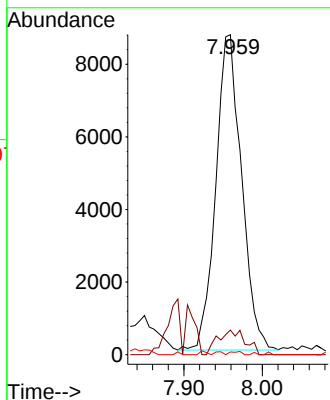
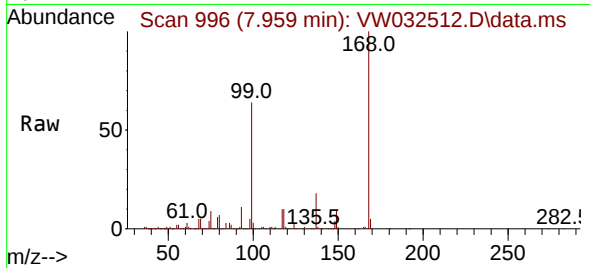




#36
 1,1-Dichloropropene
 Concen: 4.602 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032512.D
 Acq: 20 Nov 2025 09:47

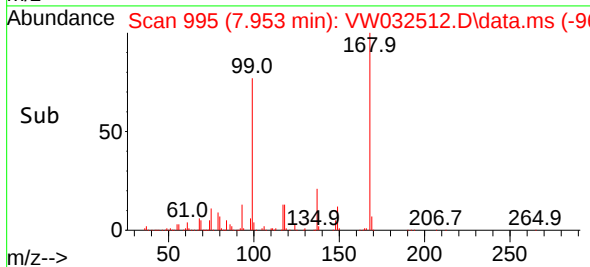
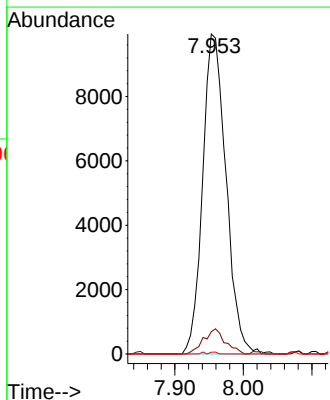
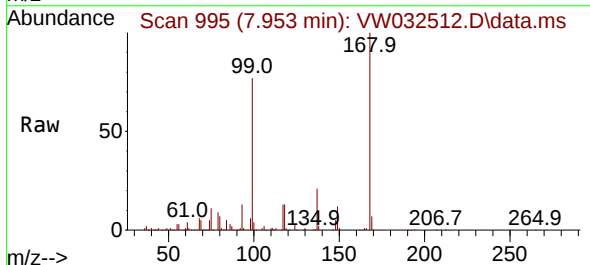
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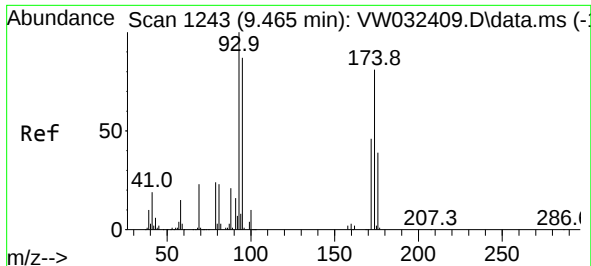
Tgt Ion: 75 Resp: 19871
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.2 51.5#
 77 0.3 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.146 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.128 min
 Lab File: VW032512.D
 Acq: 20 Nov 2025 09:47

Tgt Ion: 117 Resp: 23583
 Ion Ratio Lower Upper
 117 100
 119 6.9 77.0 115.4#
 121 0.6 22.0 33.0#

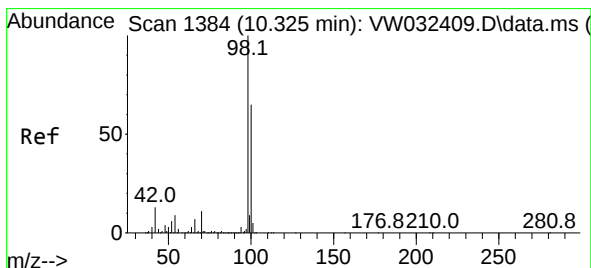
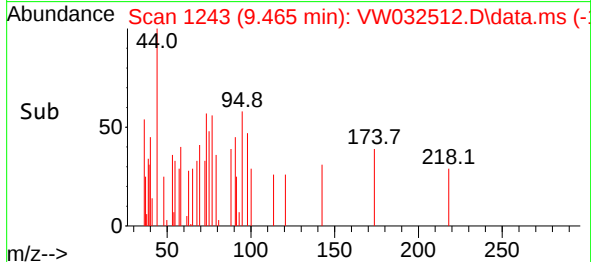
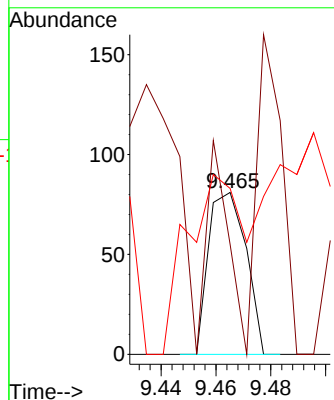
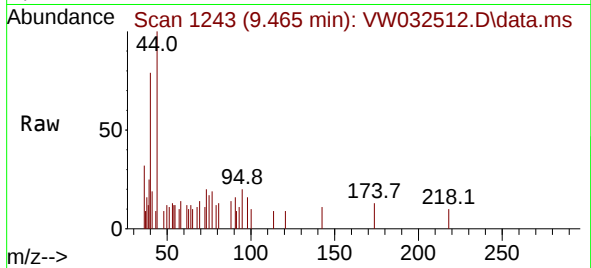




#49
1,4-Dioxane
Concen: 2.716 ug/l
RT: 9.465 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

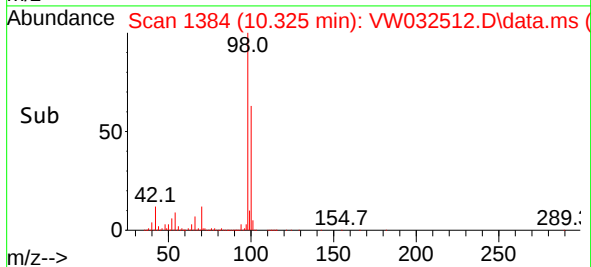
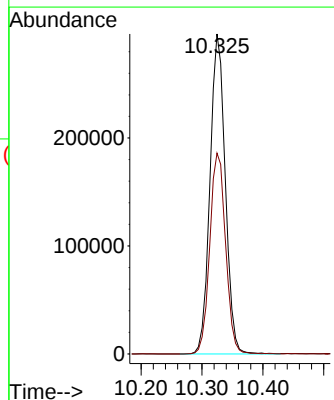
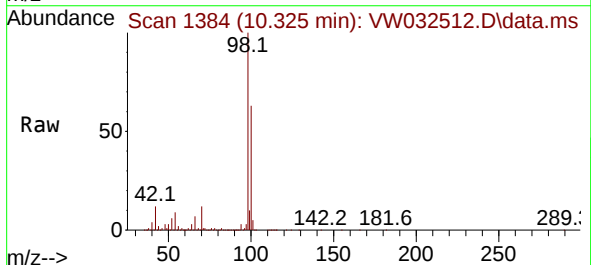
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MSVOA_W
ClientSampleId :

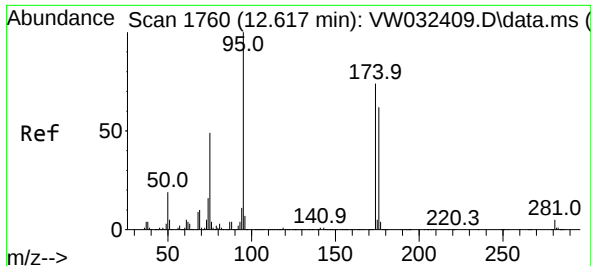
Tgt Ion: 88 Resp: 77
Ion Ratio Lower Upper
88 100
43 76.6 0.0 0.0#
58 166.2 63.0 94.4#



#50
Toluene-d8
Concen: 45.920 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

Tgt Ion: 98 Resp: 516310
Ion Ratio Lower Upper
98 100
100 65.1 53.3 79.9

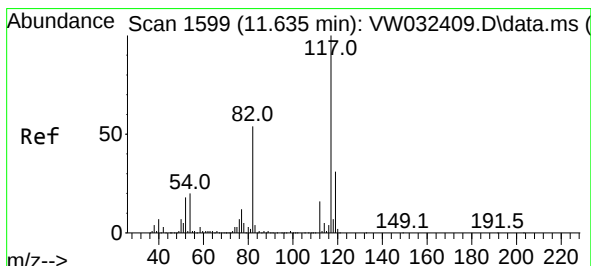
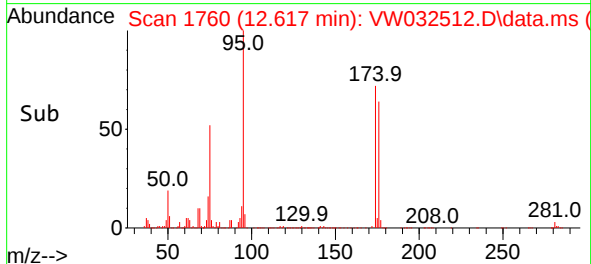
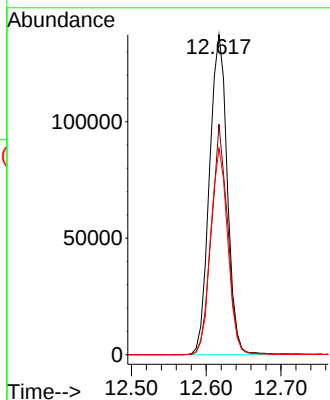
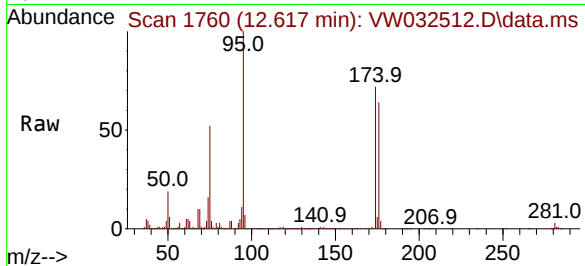




#62
4-Bromofluorobenzene
Concen: 53.410 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

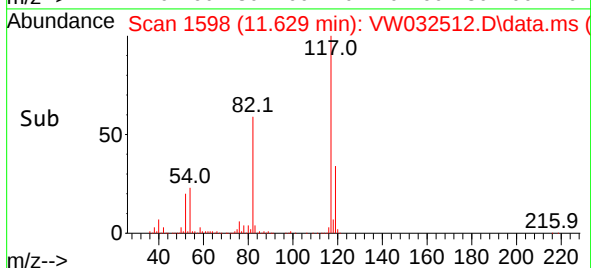
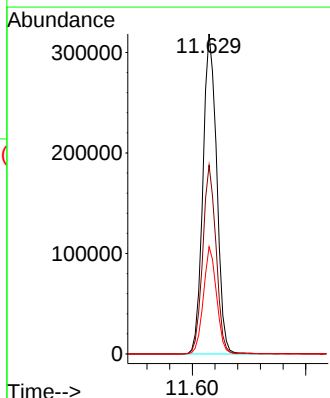
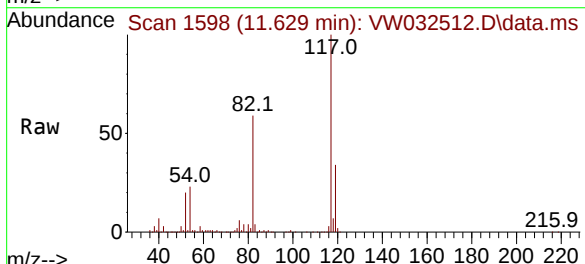
Instrument :
MSVOA_W
ClientSampleId :

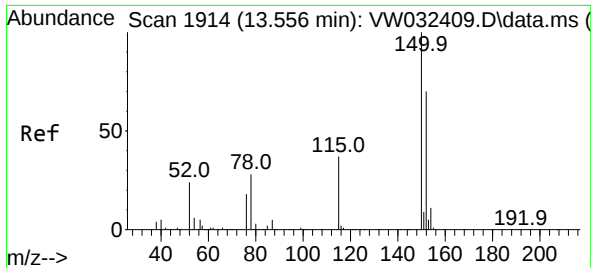
Tgt Ion: 95 Resp: 226855
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.4
176 62.7 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

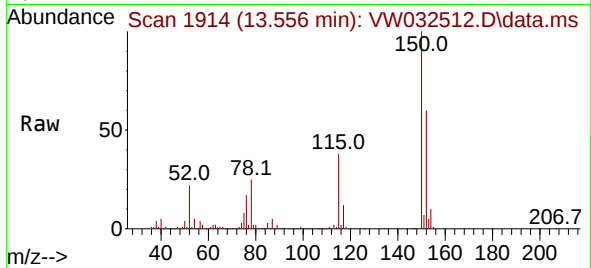
Tgt Ion:117 Resp: 538564
Ion Ratio Lower Upper
117 100
82 59.0 43.0 64.4
119 33.5 25.0 37.6



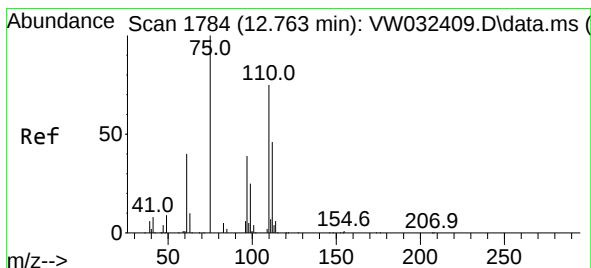
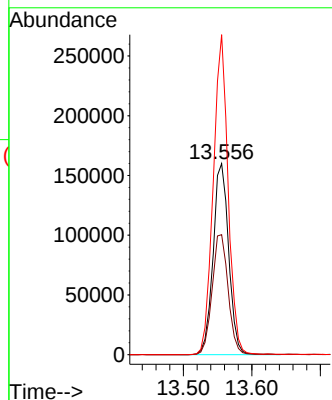
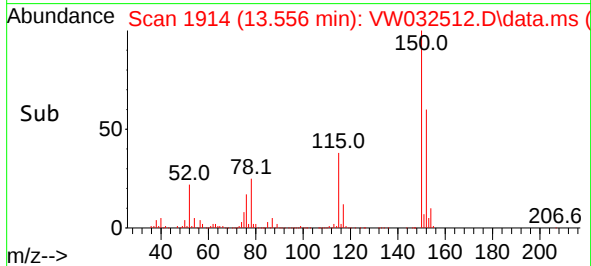


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032512.D
 Acq: 20 Nov 2025 09:47

Instrument :
 MSVOA_W
 ClientSampleId :

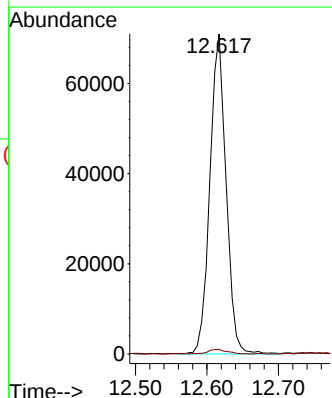
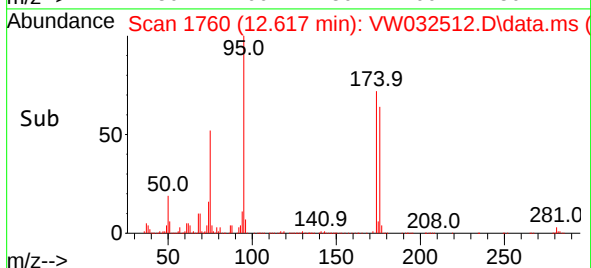
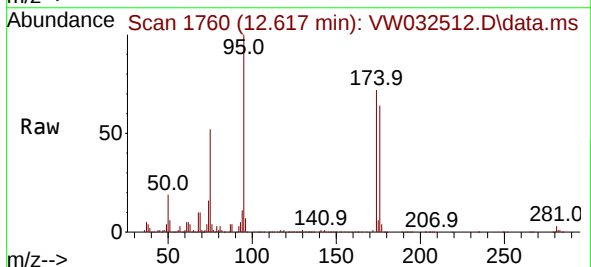


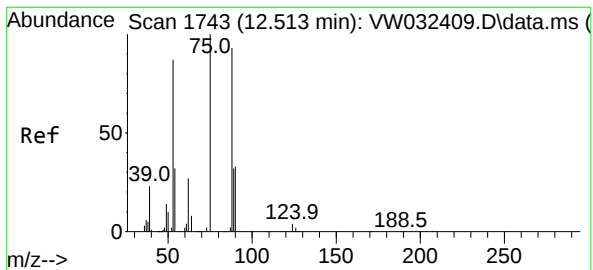
Tgt Ion:152 Resp: 252970
 Ion Ratio Lower Upper
 152 100
 115 64.7 32.8 98.3
 150 159.6 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 32.176 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032512.D
 Acq: 20 Nov 2025 09:47

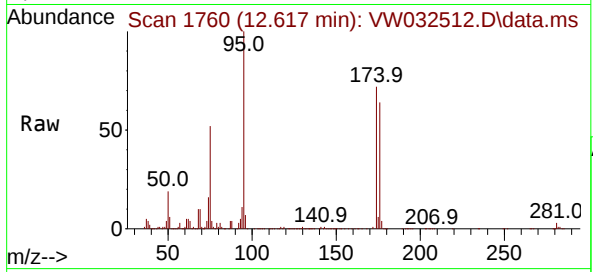
Tgt Ion: 75 Resp: 111607
 Ion Ratio Lower Upper
 75 100
 77 1.7 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.697 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032512.D
 Acq: 20 Nov 2025 09:47

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 111607
 Ion Ratio Lower Upper
 75 100
 53 0.5 77.8 116.8#
 89 0.4 35.6 53.4#

