

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032540.D
 Acq On : 26 Nov 2025 13:49
 Operator : SY/MD
 Sample : Q3719-03
 Misc : 4.45g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 00:28:04 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)

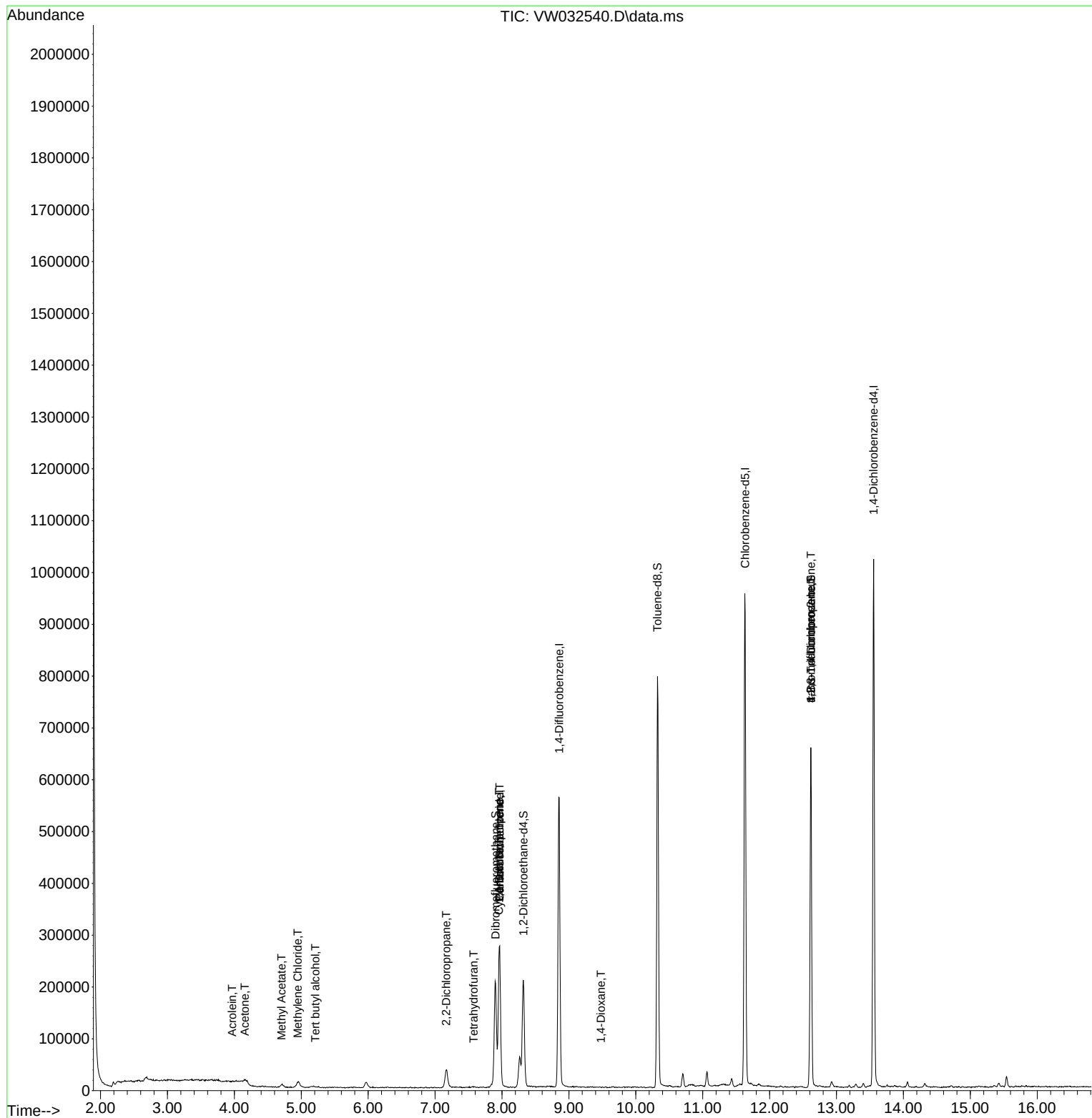
Internal Standards						
1) Pentafluorobenzene	7.965	168	193034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	464802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	514695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	246255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	172035	69.127	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 138.260%		
35) Dibromofluoromethane	7.904	113	149891	53.862	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 107.720%		
50) Toluene-d8	10.325	98	515766	48.311	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.620%		
62) 4-Bromofluorobenzene	12.617	95	227266	56.352	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 112.700%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	281	1.306	ug/l #	1
13) Acrolein	3.966	56	650	1.800	ug/l #	54
16) Acetone	4.155	43	5105	6.857	ug/l	99
18) Methyl Acetate	4.704	43	11557	6.268	ug/l	97
20) Methylene Chloride	4.948	84	9706	3.645	ug/l	87
26) 2,2-Dichloropropane	7.167	77	2864	1.155	ug/l #	54
29) Tetrahydrofuran	7.575	42	774	1.112	ug/l #	46
31) Cyclohexane	7.953	56	5579	1.355	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	20101	4.902	ug/l #	48
38) Carbon Tetrachloride	7.965	117	22534	6.185	ug/l #	18
49) 1,4-Dioxane	9.477	88	117	4.347	ug/l #	10
76) 1,2,3-Trichloropropane	12.617	75	117235	34.720	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	117235	79.525	ug/l #	11

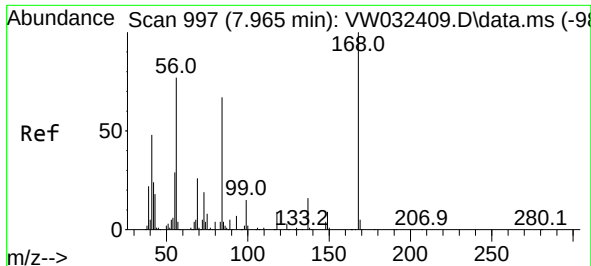
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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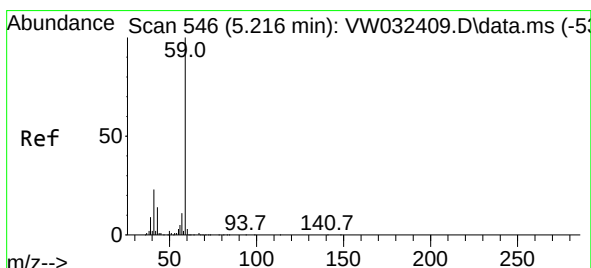
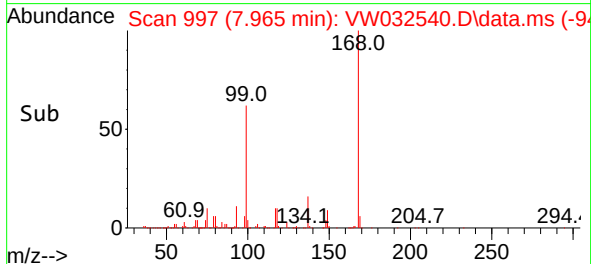
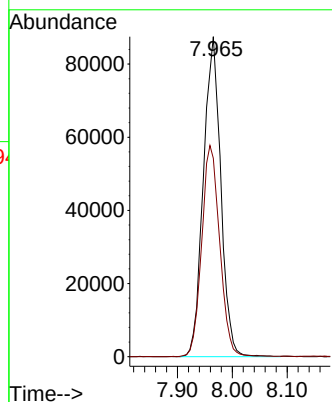
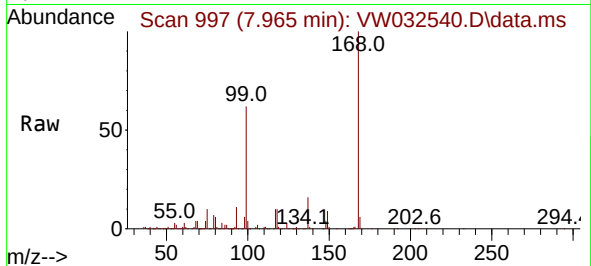




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

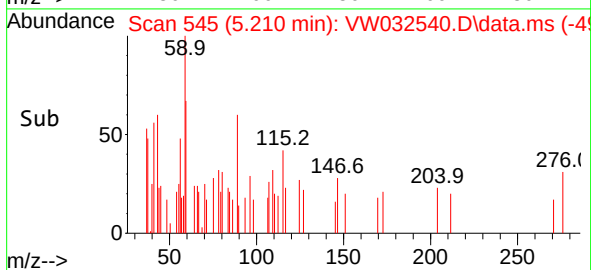
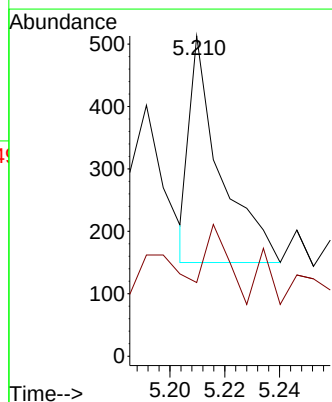
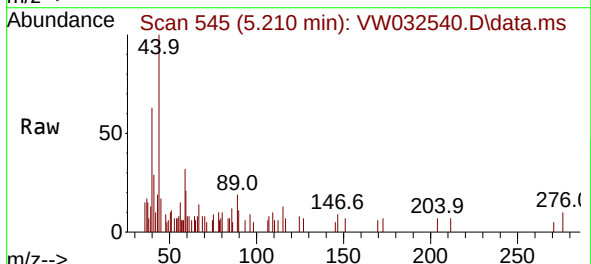
Instrument :
MSVOA_W
ClientSampleId :

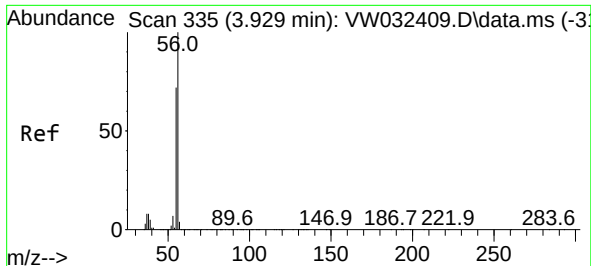
Tgt Ion:168 Resp: 193034
Ion Ratio Lower Upper
168 100
99 61.8 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.306 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 112.8 8.6 12.8#

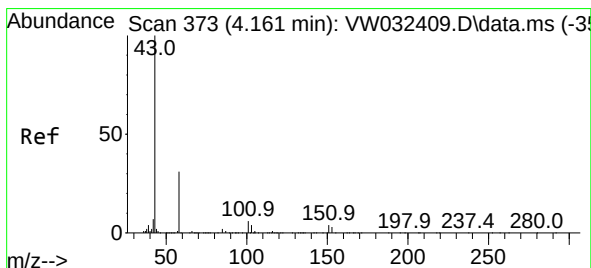
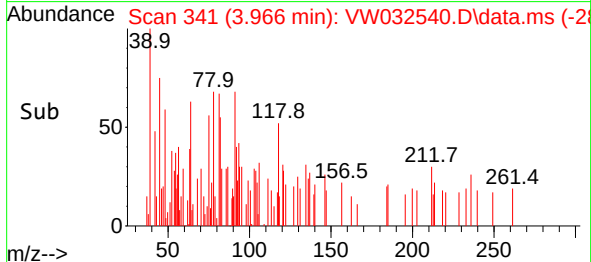
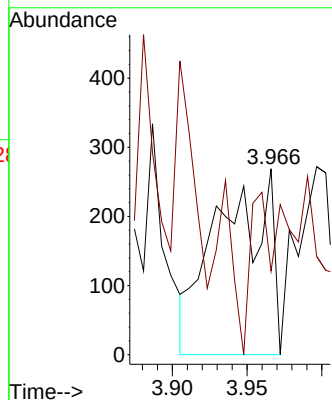
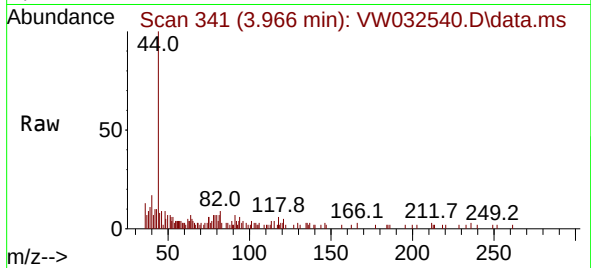




#13
Acrolein
Concen: 1.800 ug/l
RT: 3.966 min Scan# 341
Delta R.T. 0.037 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

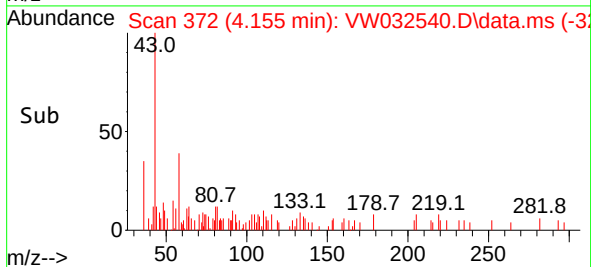
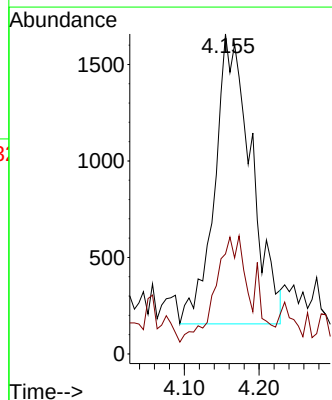
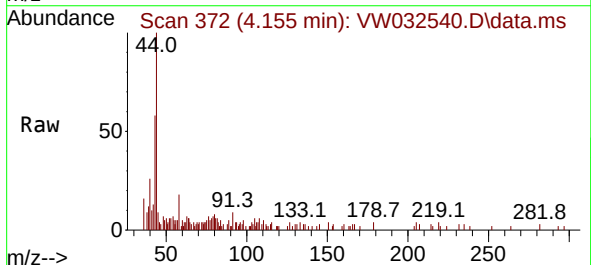
Instrument :
MSVOA_W
ClientSampleId :

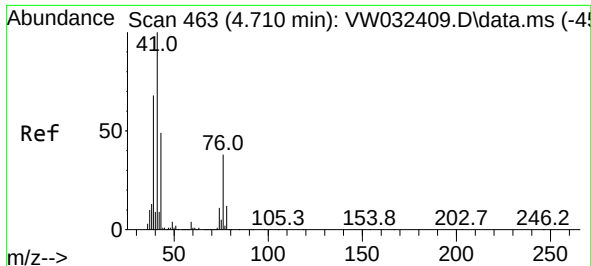
Tgt Ion: 56 Resp: 650
Ion Ratio Lower Upper
56 100
55 32.3 56.3 84.5#



#16
Acetone
Concen: 6.857 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion: 43 Resp: 5105
Ion Ratio Lower Upper
43 100
58 30.4 24.8 37.2

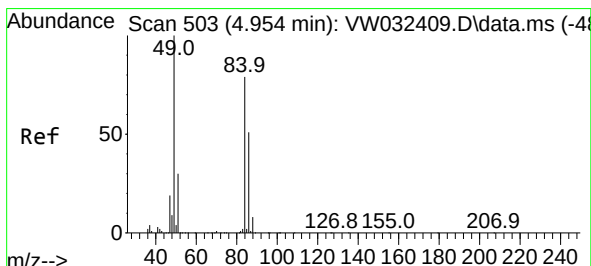
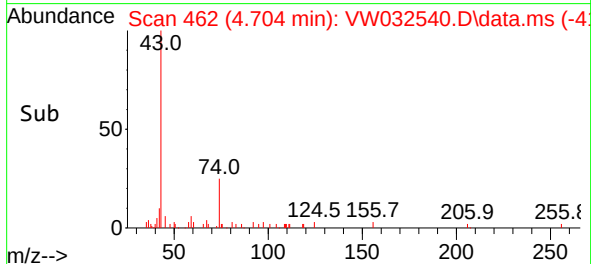
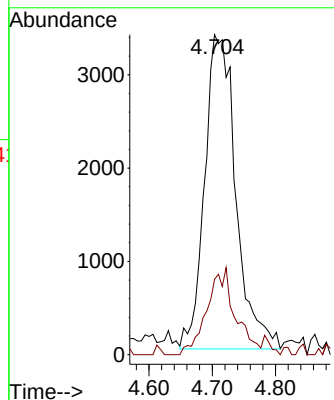
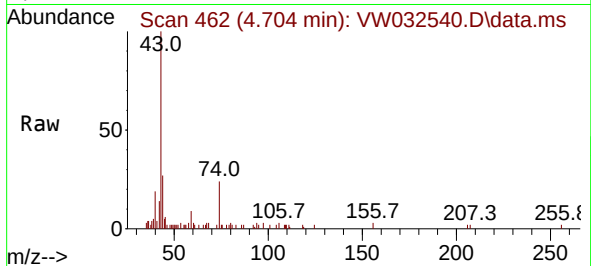




#18
Methyl Acetate
Concen: 6.268 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

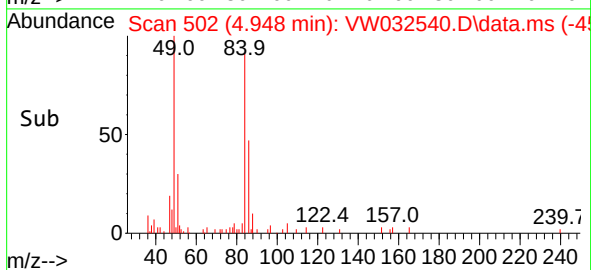
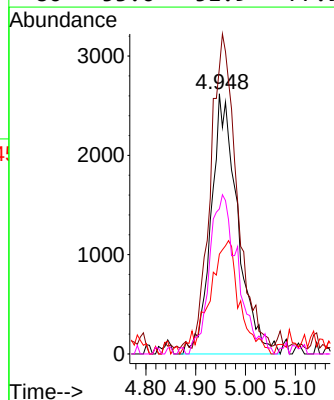
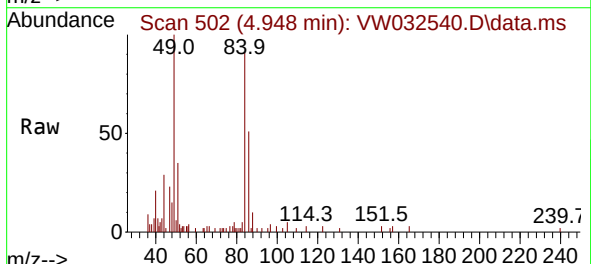
Instrument :
MSVOA_W
ClientSampleId :

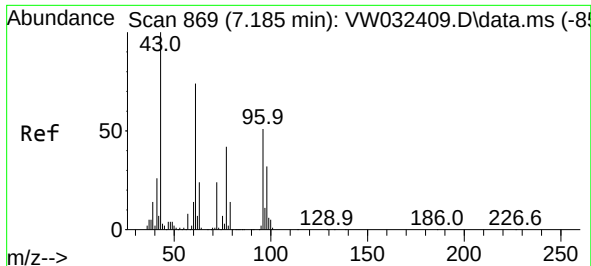
Tgt Ion: 43 Resp: 11557
Ion Ratio Lower Upper
43 100
74 25.0 18.9 28.3



#20
Methylene Chloride
Concen: 3.645 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion: 84 Resp: 9706
Ion Ratio Lower Upper
84 100
49 107.7 101.5 152.3
51 38.4 30.6 46.0
86 53.6 51.9 77.9

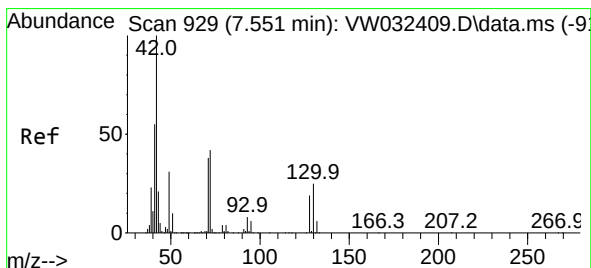
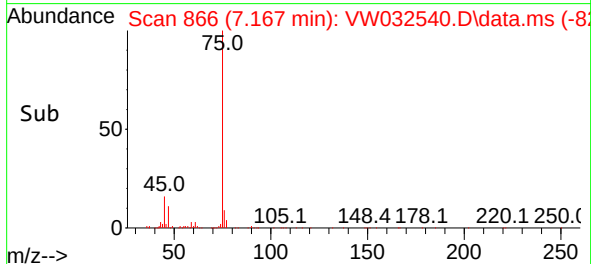
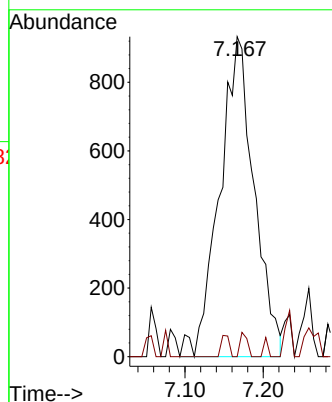
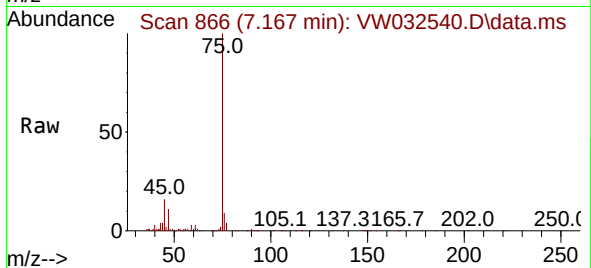




#26
2,2-Dichloropropane
Concen: 1.155 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.018 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

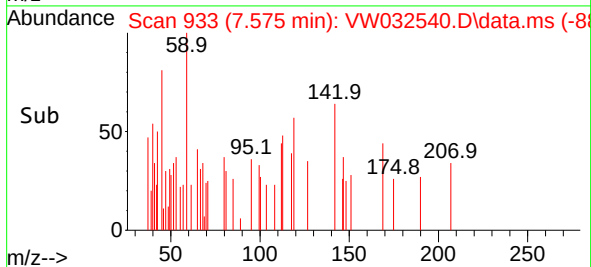
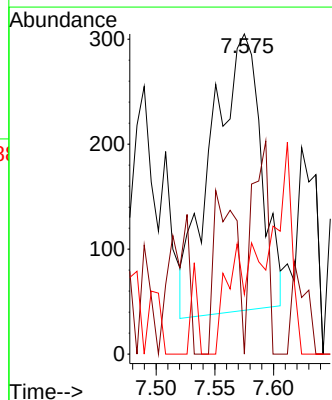
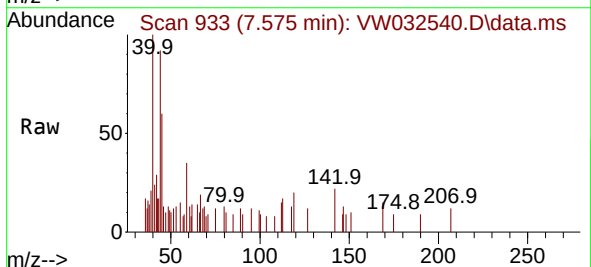
Instrument :
MSVOA_W
ClientSampleId :

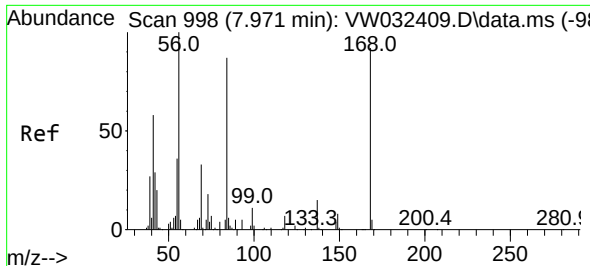
Tgt Ion: 77 Resp: 2864
Ion Ratio Lower Upper
77 100
97 1.6 12.3 36.8#



#29
Tetrahydrofuran
Concen: 1.112 ug/l
RT: 7.575 min Scan# 933
Delta R.T. 0.024 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

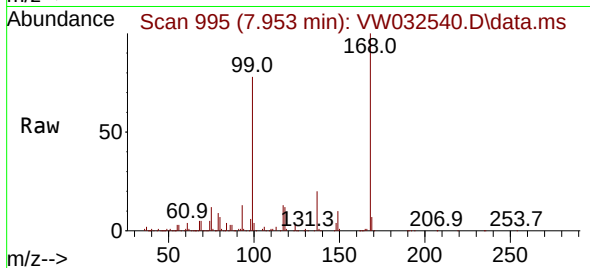
Tgt Ion: 42 Resp: 774
Ion Ratio Lower Upper
42 100
72 0.0 33.6 50.4#
71 14.2 31.4 47.0#



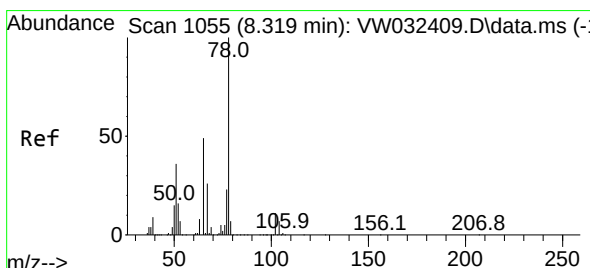
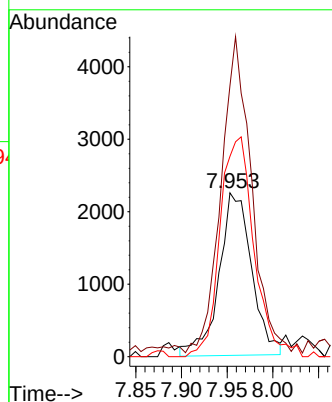
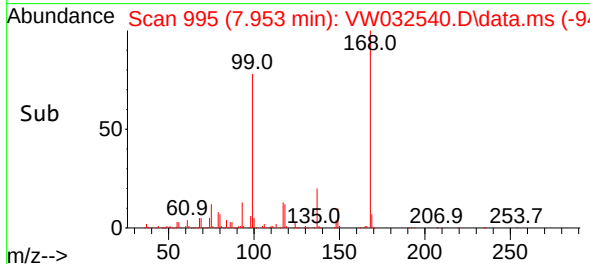


#31
Cyclohexane
Concen: 1.355 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Instrument :
MSVOA_W
ClientSampleId :

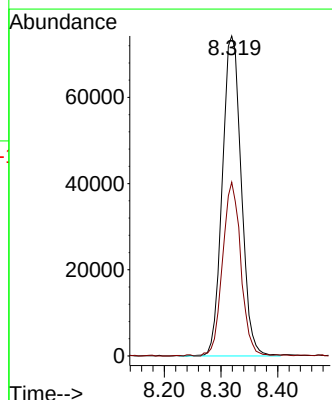
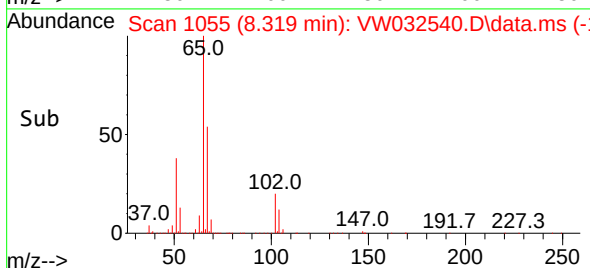
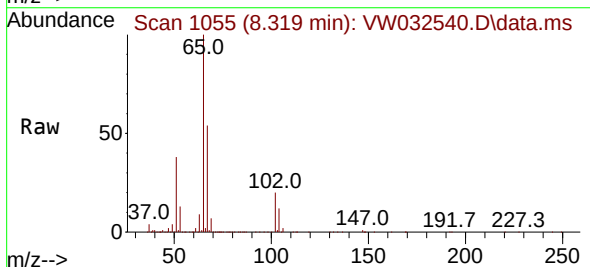


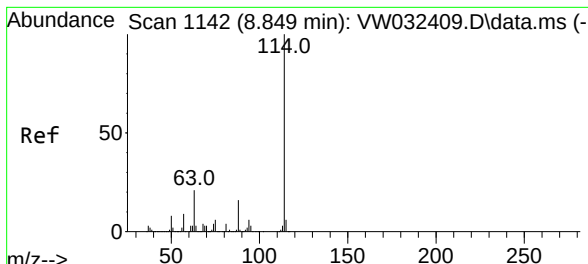
Tgt Ion: 56 Resp: 5579
Ion Ratio Lower Upper
56 100
69 170.1 26.5 39.7#
84 130.4 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 69.127 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion: 65 Resp: 172035
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8



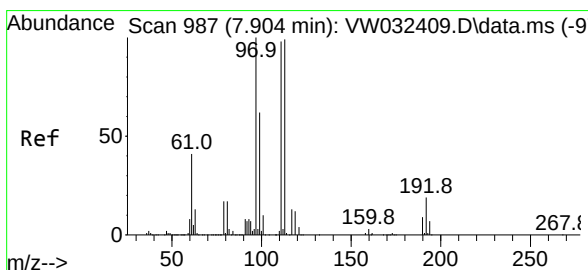
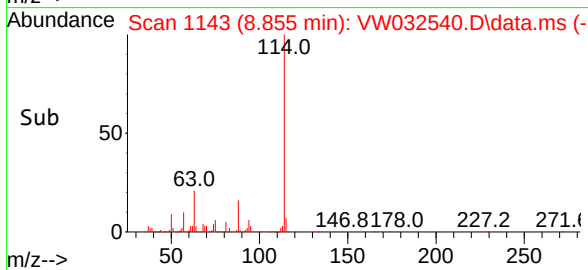
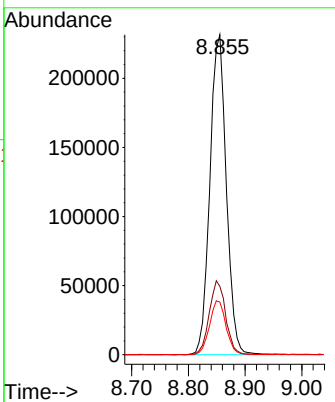
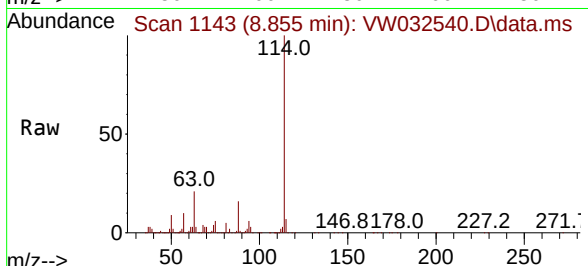


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032540.D
 Acq: 26 Nov 2025 13:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:114 Resp: 464802

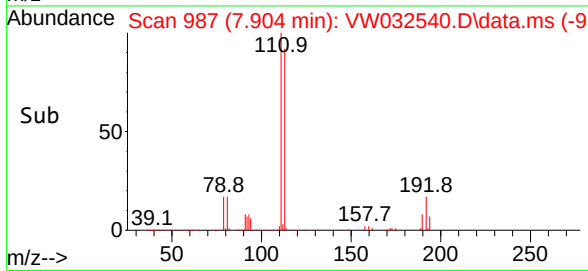
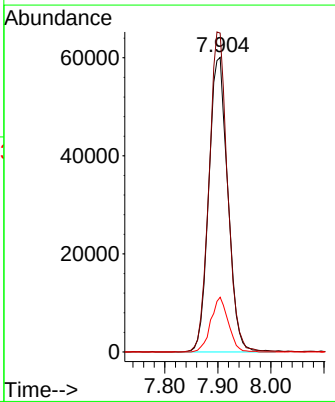
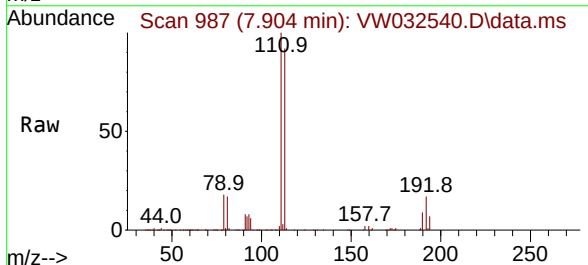
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	16.5	0.0	32.6

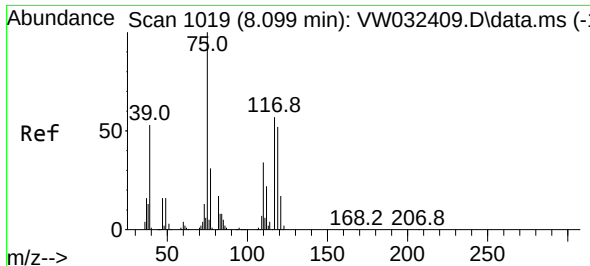


#35
 Dibromofluoromethane
 Concen: 53.862 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW032540.D
 Acq: 26 Nov 2025 13:49

Tgt Ion:113 Resp: 149891

Ion	Ratio	Lower	Upper
113	100		
111	105.5	83.1	124.7
192	17.1	13.4	20.2

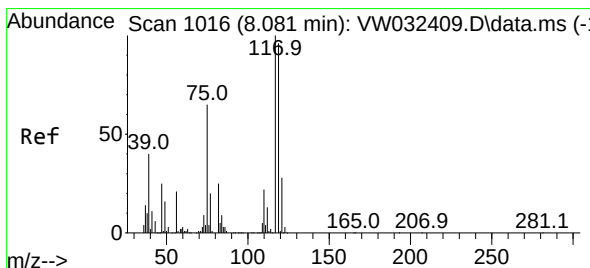
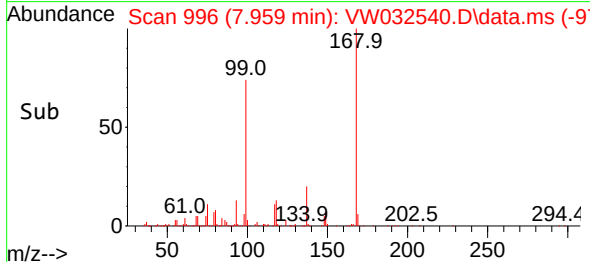
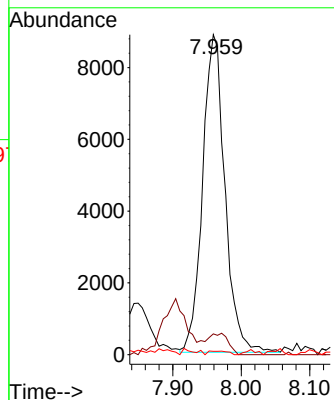
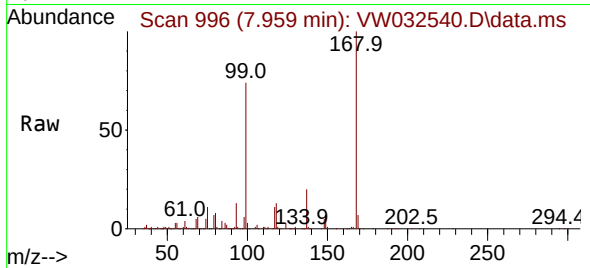




#36
 1,1-Dichloropropene
 Concen: 4.902 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032540.D
 Acq: 26 Nov 2025 13:49

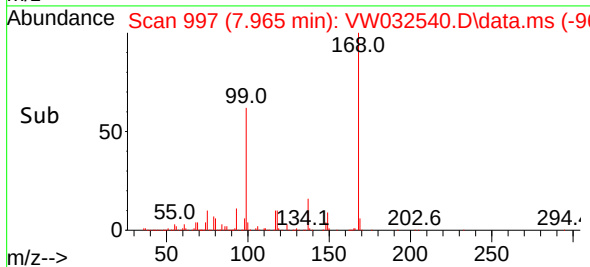
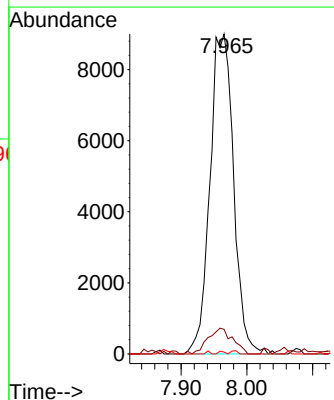
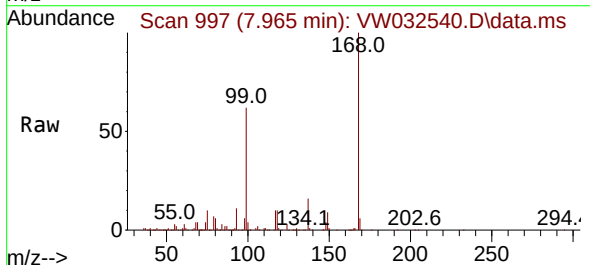
Instrument :
 MSVOA_W
 ClientSampleId :

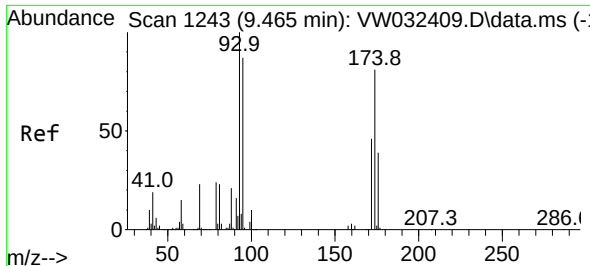
Tgt Ion: 75 Resp: 20101
 Ion Ratio Lower Upper
 75 100
 110 5.6 17.2 51.5#
 77 1.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.185 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.116 min
 Lab File: VW032540.D
 Acq: 26 Nov 2025 13:49

Tgt Ion: 117 Resp: 22534
 Ion Ratio Lower Upper
 117 100
 119 7.7 77.0 115.4#
 121 0.6 22.0 33.0#

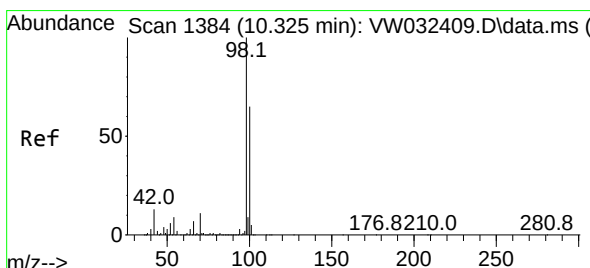
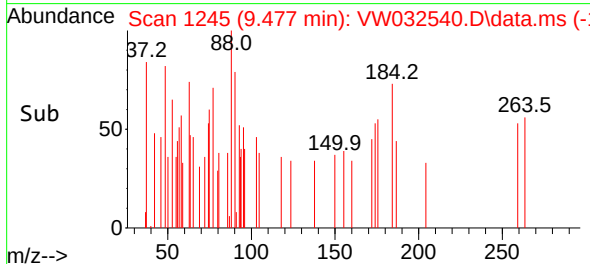
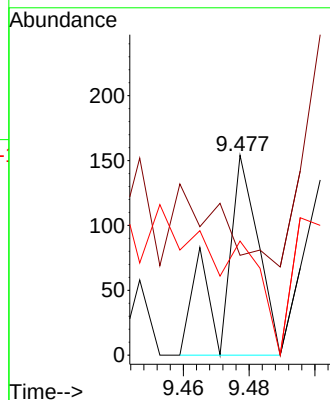
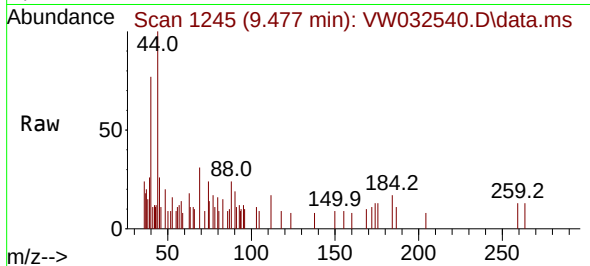




#49
1,4-Dioxane
Concen: 4.347 ug/l
RT: 9.477 min Scan# 117
Delta R.T. 0.012 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

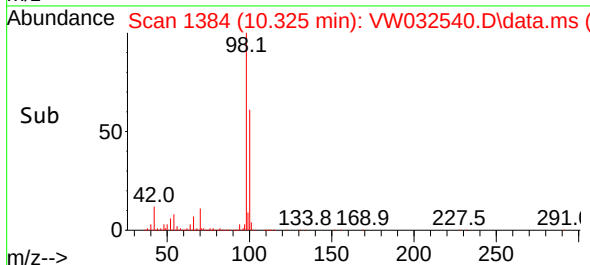
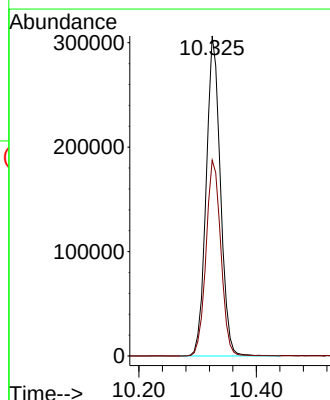
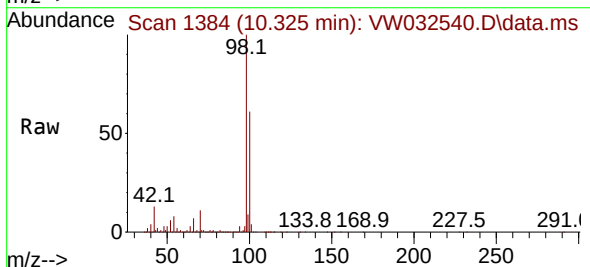
Instrument :
MSVOA_W
ClientSampleId :

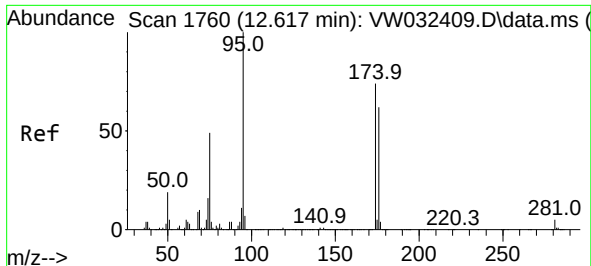
Tgt Ion: 88 Resp: 117
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 63.0 94.4#



#50
Toluene-d8
Concen: 48.311 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion: 98 Resp: 515766
Ion Ratio Lower Upper
98 100
100 63.5 53.3 79.9

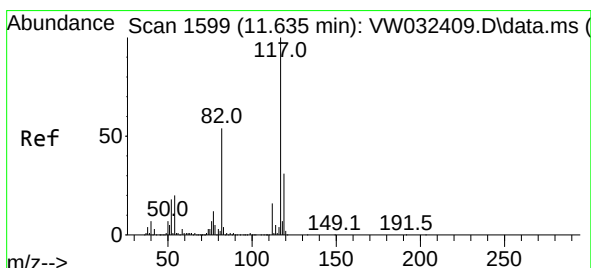
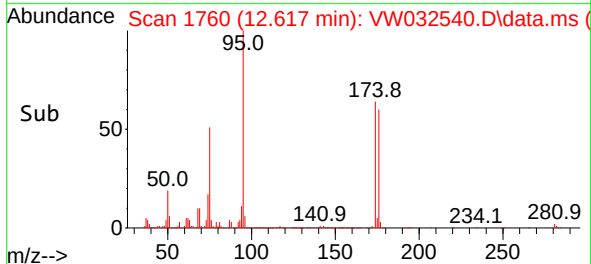
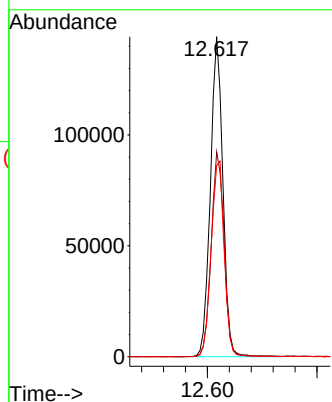
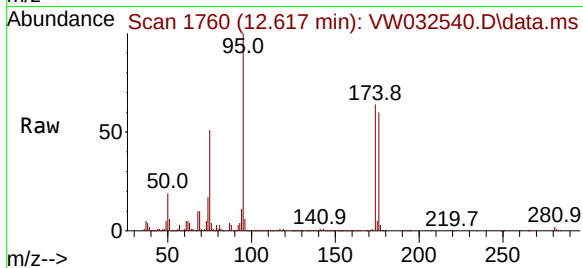




#62
4-Bromofluorobenzene
Concen: 56.352 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

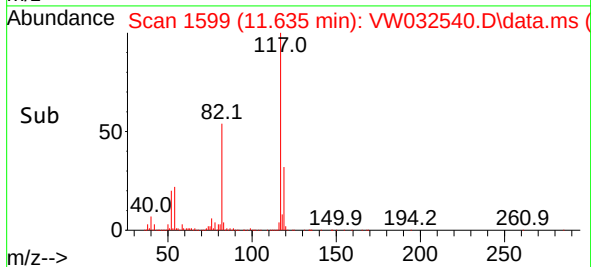
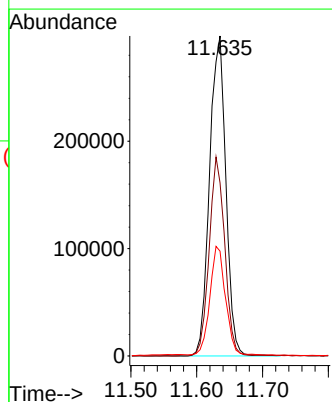
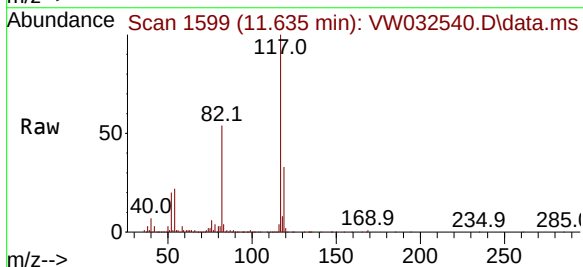
Instrument :
MSVOA_W
ClientSampleId :

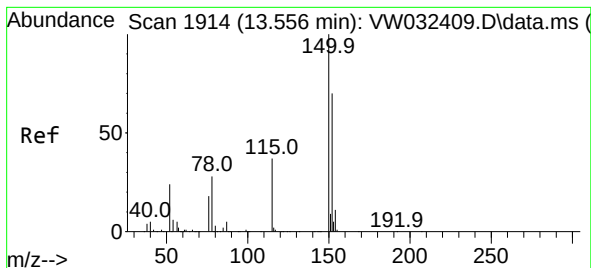
Tgt Ion: 95 Resp: 227266
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.4
176 64.1 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion: 117 Resp: 514695
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.5 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: VW032540.D

Acq: 26 Nov 2025 13:49

Instrument :

MSVOA_W

ClientSampleId :

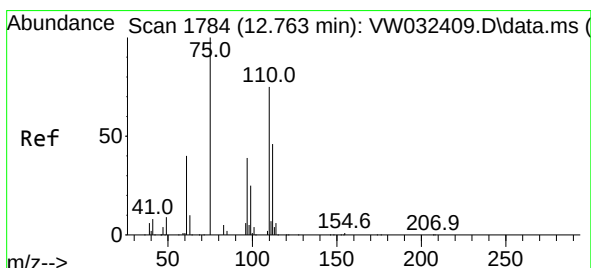
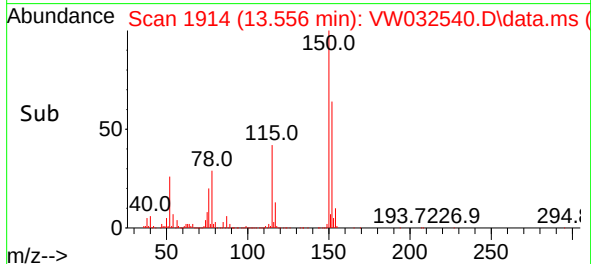
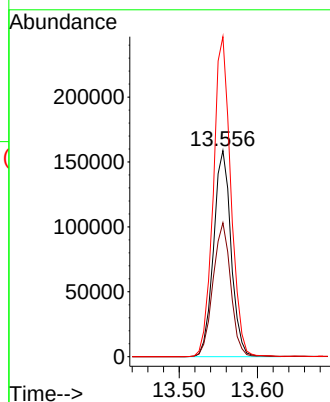
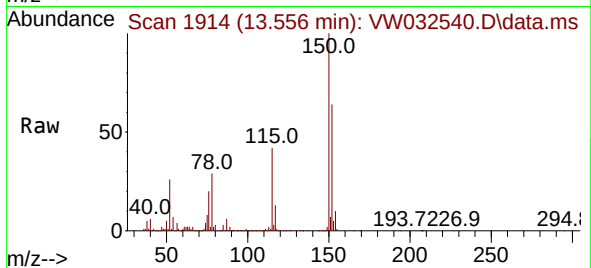
Tgt Ion:152 Resp: 246255

Ion Ratio Lower Upper

152 100

115 65.9 32.8 98.3

150 155.6 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 34.720 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032540.D

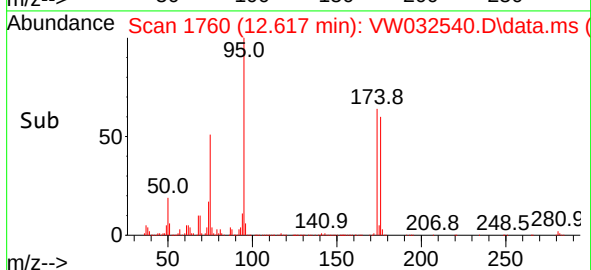
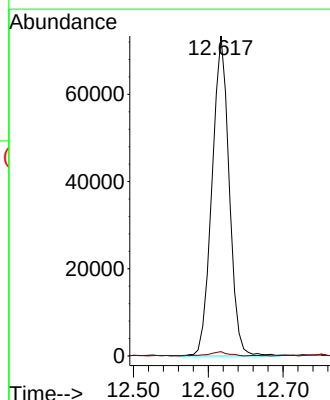
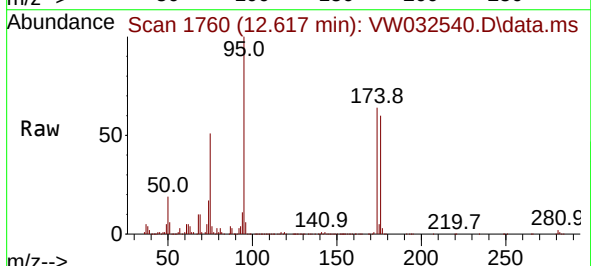
Acq: 26 Nov 2025 13:49

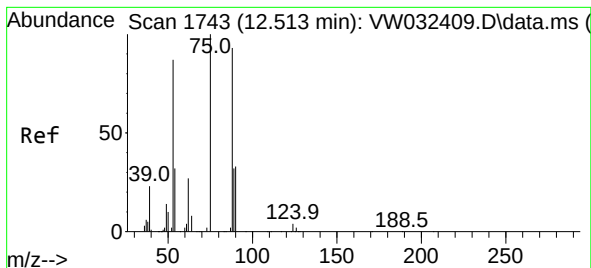
Tgt Ion: 75 Resp: 117235

Ion Ratio Lower Upper

75 100

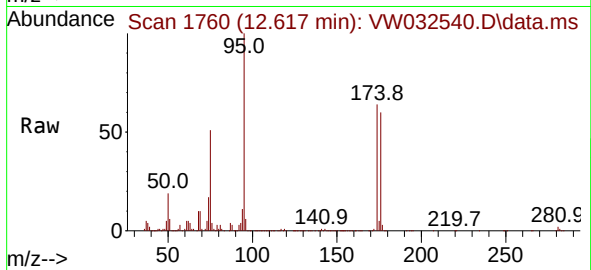
77 1.5 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.525 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032540.D
 Acq: 26 Nov 2025 13:49

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 117235
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 35.6 53.4#

