

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032548.D
 Acq On : 26 Nov 2025 16:49
 Operator : SY/MD
 Sample : Q3719-09
 Misc : 5.15g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 00:30:12 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)

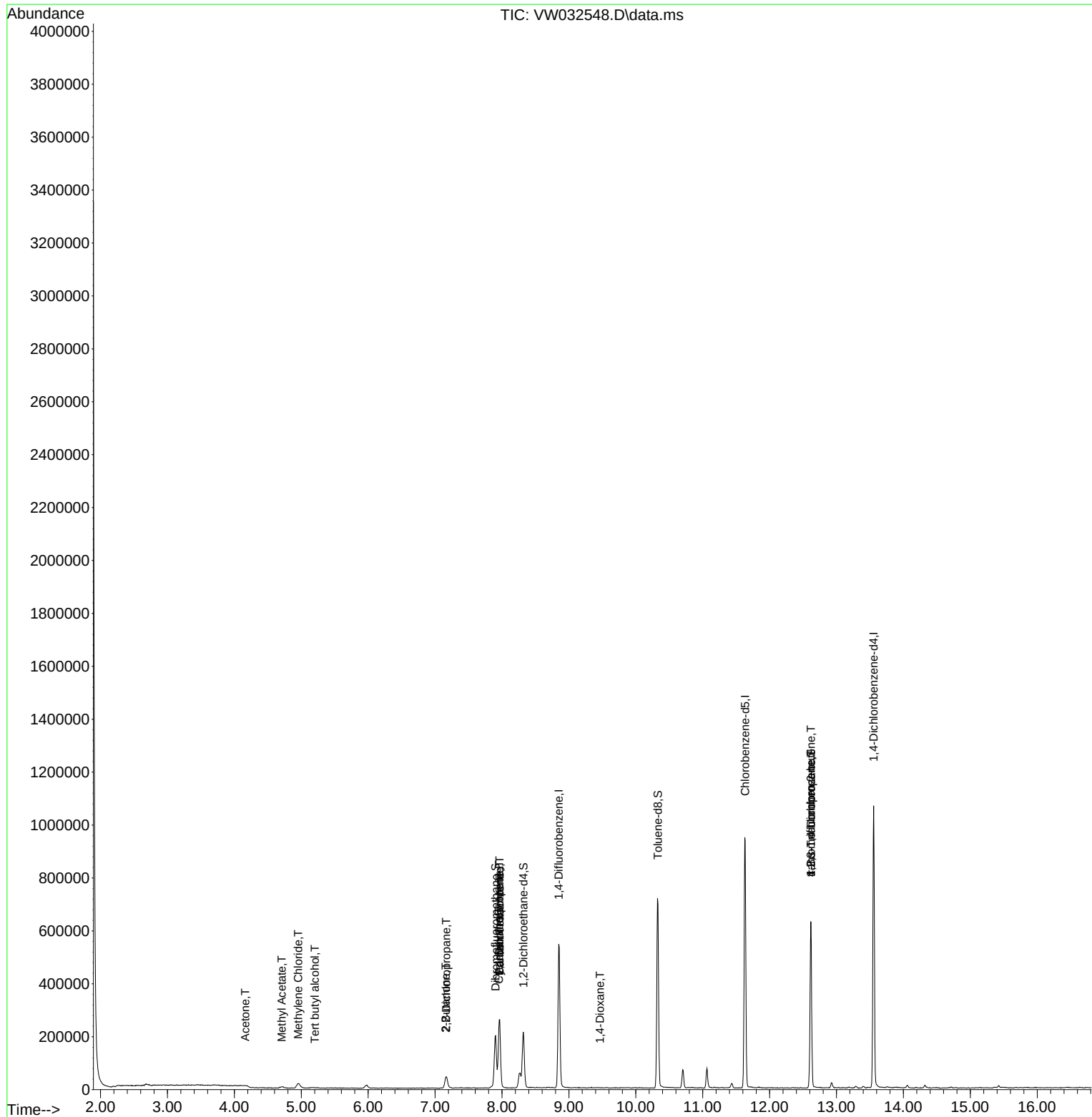
Internal Standards						
1) Pentafluorobenzene	7.965	168	176099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	446493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	510140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	256049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168859	74.376	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 148.760%		
35) Dibromofluoromethane	7.904	113	145972	54.604	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 109.200%		
50) Toluene-d8	10.331	98	479275	46.733	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 93.460%		
62) 4-Bromofluorobenzene	12.617	95	217802	56.220	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 112.440%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.204	59	635	3.235	ug/l #	1
16) Acetone	4.161	43	1350	1.988	ug/l #	88
18) Methyl Acetate	4.710	43	9782	5.816	ug/l #	89
20) Methylene Chloride	4.954	84	15951	6.567	ug/l	97
25) 2-Butanone	7.161	43	3449	3.447	ug/l #	78
26) 2,2-Dichloropropane	7.167	77	3586	1.585	ug/l #	52
31) Cyclohexane	7.953	56	5403	1.439	ug/l #	27
36) 1,1-Dichloropropene	7.959	75	18516	4.701	ug/l #	51
38) Carbon Tetrachloride	7.965	117	20772	5.935	ug/l #	17
49) 1,4-Dioxane	9.465	88	231	8.934	ug/l #	49
76) 1,2,3-Trichloropropane	12.617	75	112613	32.076	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	112613	73.467	ug/l #	11

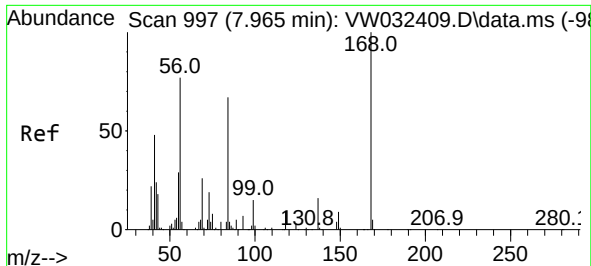
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 11 03:48:21 2025
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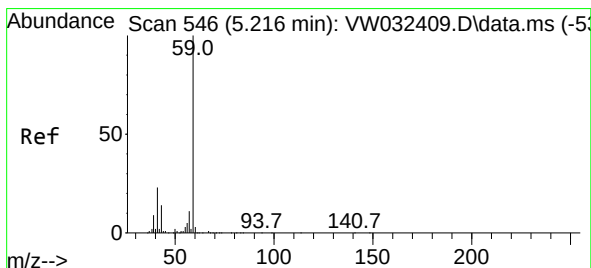
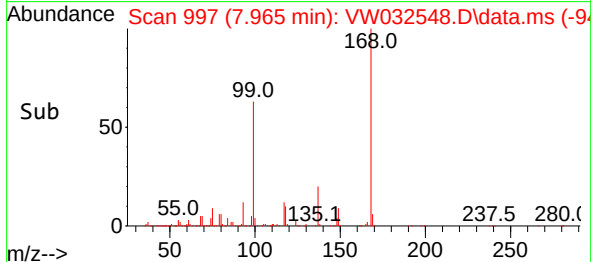
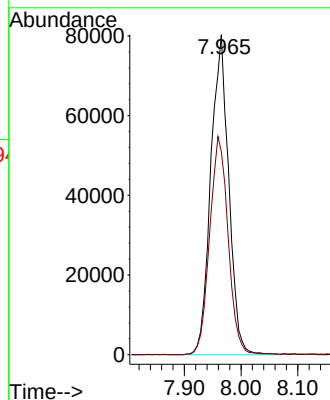
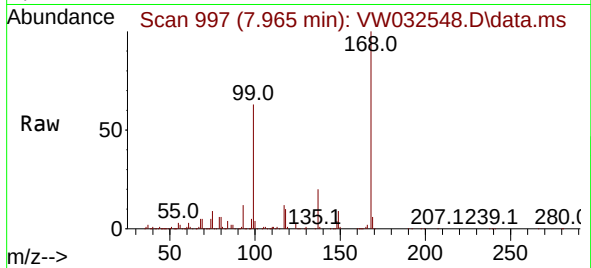




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

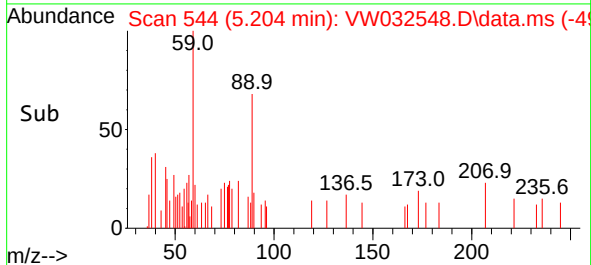
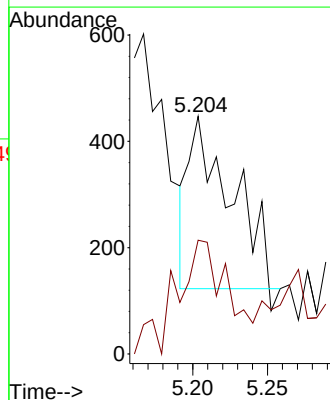
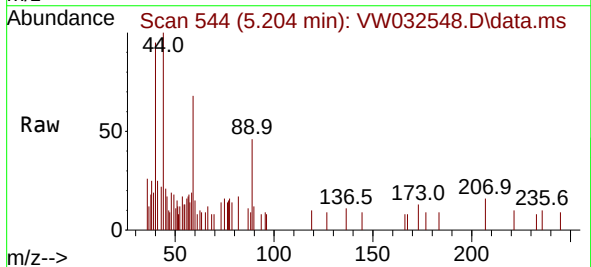
Instrument :
MSVOA_W
ClientSampleId :

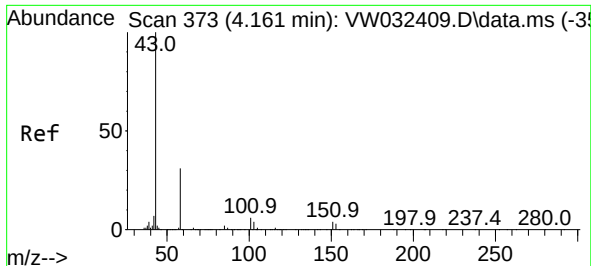
Tgt Ion:168 Resp: 176099
Ion Ratio Lower Upper
168 100
99 63.4 45.4 68.2



#11
Tert butyl alcohol
Concen: 3.235 ug/l
RT: 5.204 min Scan# 544
Delta R.T. -0.012 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion: 59 Resp: 635
Ion Ratio Lower Upper
59 100
57 82.2 8.6 12.8#

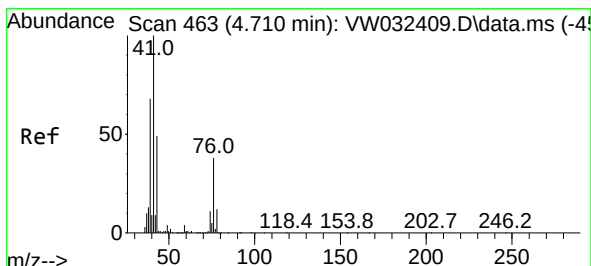
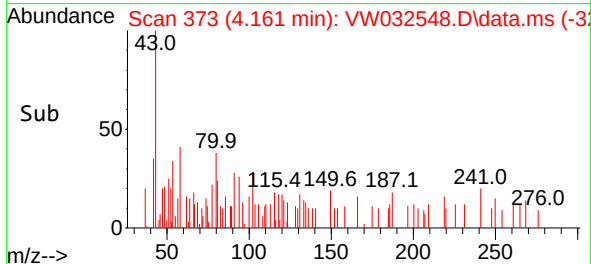
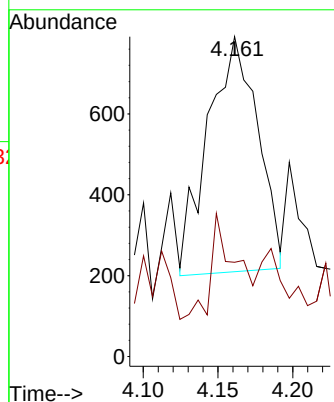
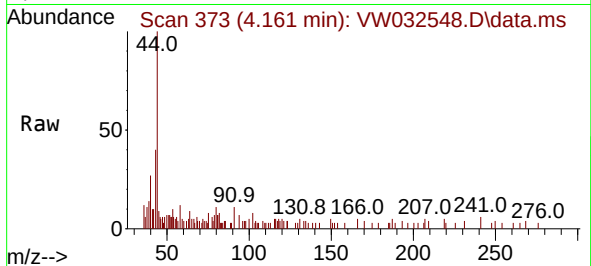




#16
Acetone
Concen: 1.988 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

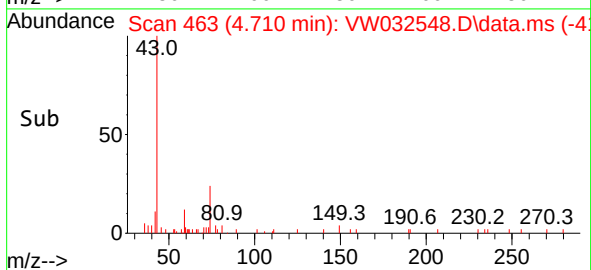
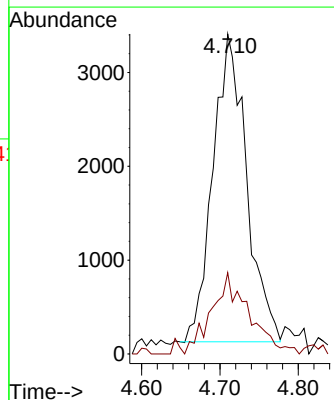
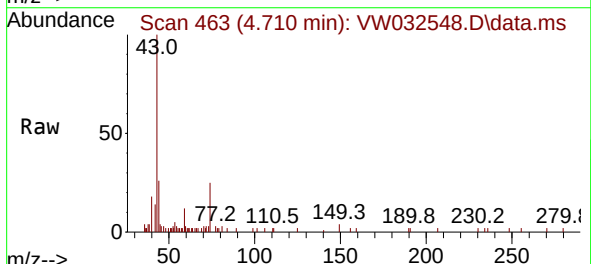
Instrument :
MSVOA_W
ClientSampleId :

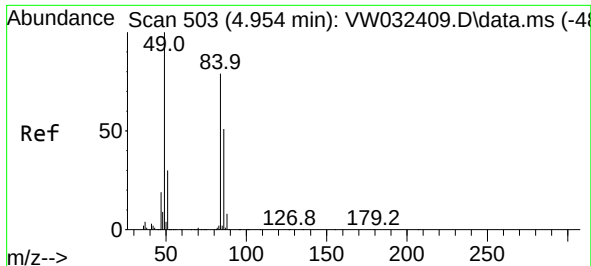
Tgt Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
58 24.6 24.8 37.2#



#18
Methyl Acetate
Concen: 5.816 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion: 43 Resp: 9782
Ion Ratio Lower Upper
43 100
74 29.2 18.9 28.3#

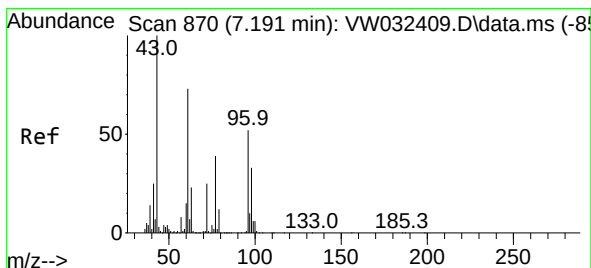
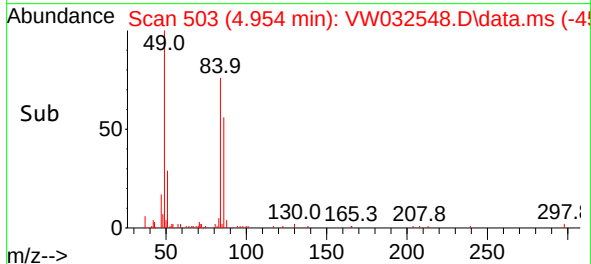
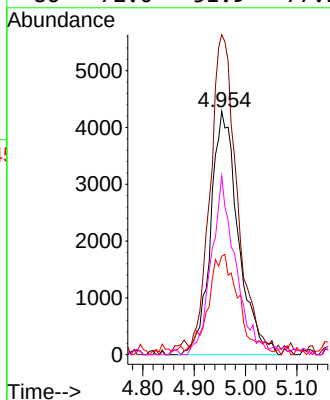
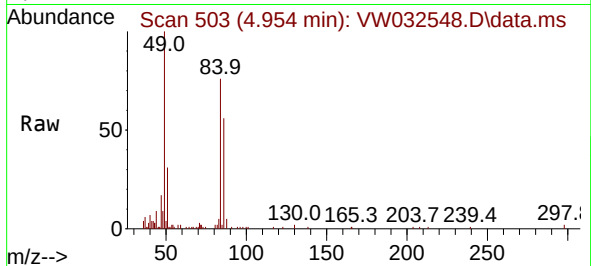




#20
Methylene Chloride
Concen: 6.567 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

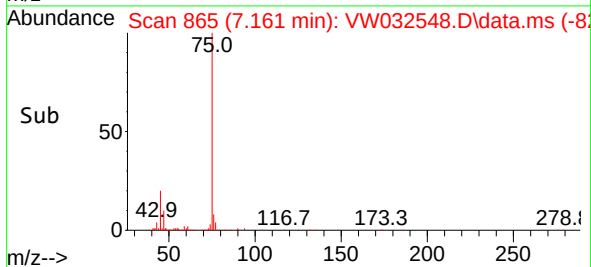
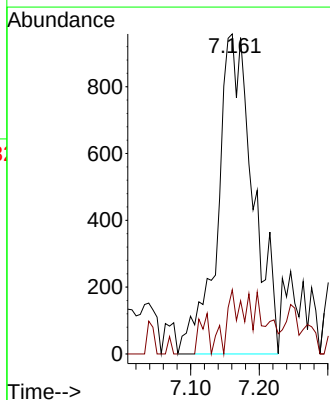
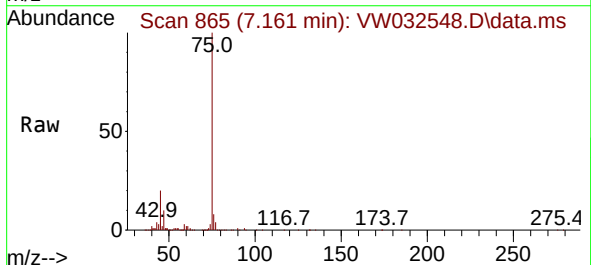
Instrument :
MSVOA_W
ClientSampleId :

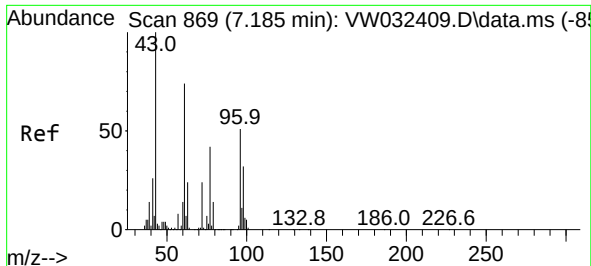
Tgt Ion:	84	Resp:	15951
Ion	Ratio	Lower	Upper
84	100		
49	127.9	101.5	152.3
51	38.5	30.6	46.0
86	72.0	51.9	77.9



#25
2-Butanone
Concen: 3.447 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.030 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion:	43	Resp:	3449
Ion	Ratio	Lower	Upper
43	100		
72	13.8	20.0	30.0#

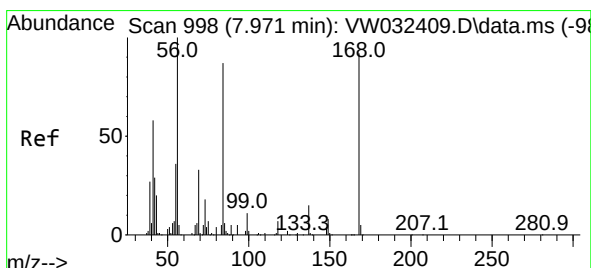
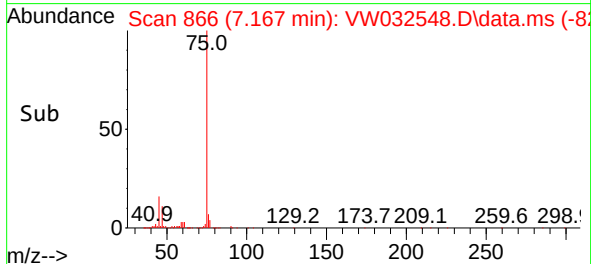
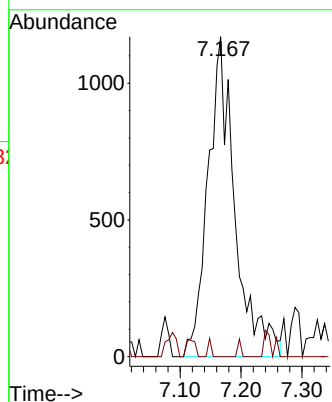
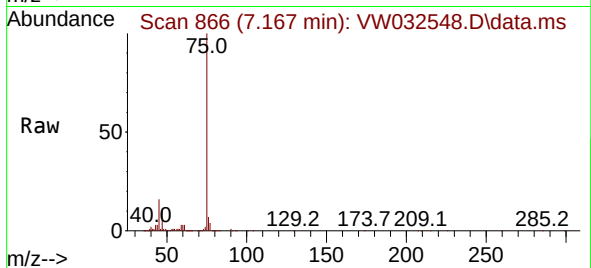




#26
2,2-Dichloropropane
Concen: 1.585 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.018 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

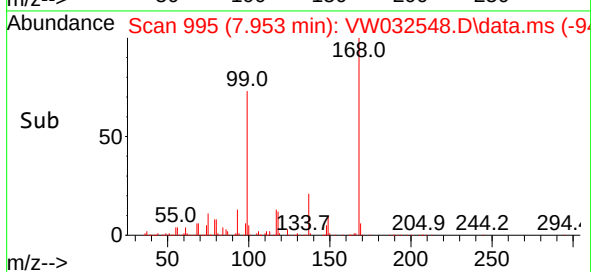
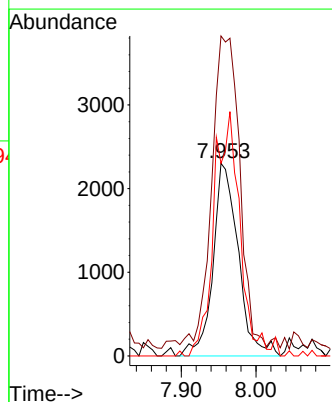
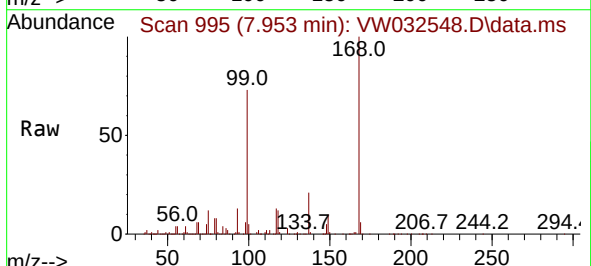
Instrument :
MSVOA_W
ClientSampleId :

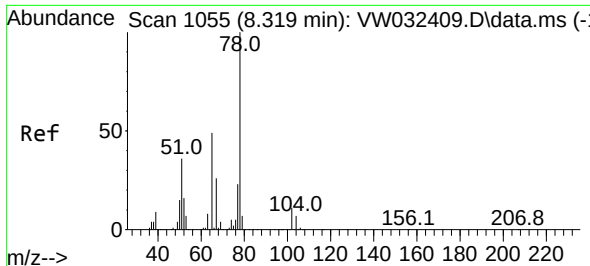
Tgt Ion: 77 Resp: 3586
Ion Ratio Lower Upper
77 100
97 0.7 12.3 36.8#



#31
Cyclohexane
Concen: 1.439 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion: 56 Resp: 5403
Ion Ratio Lower Upper
56 100
69 161.8 26.5 39.7#
84 100.0 69.6 104.4

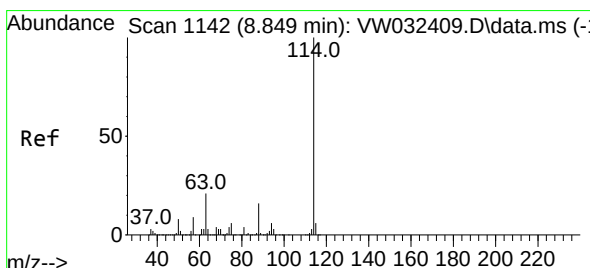
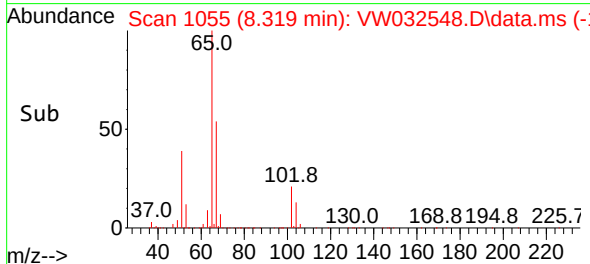
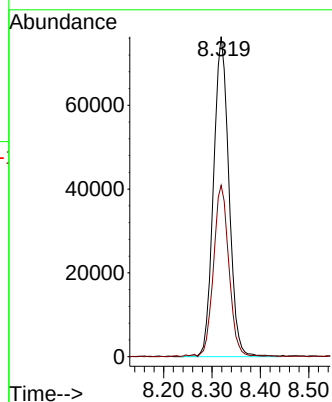
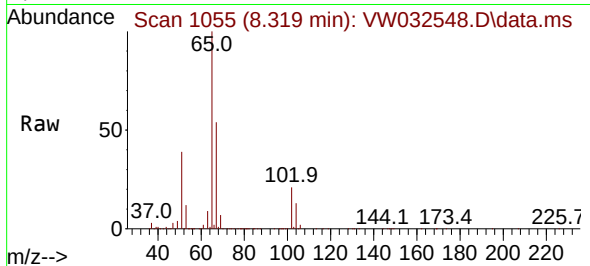




#33
 1,2-Dichloroethane-d4
 Concen: 74.376 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032548.D
 Acq: 26 Nov 2025 16:49

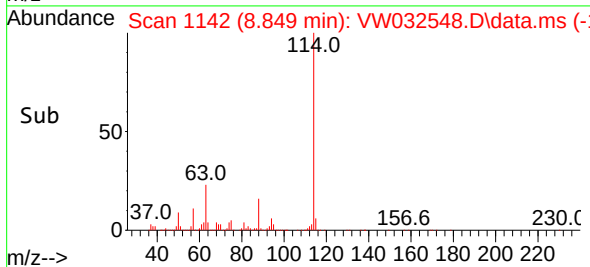
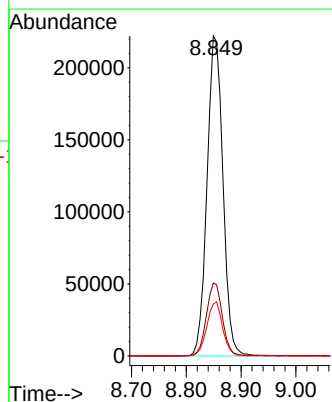
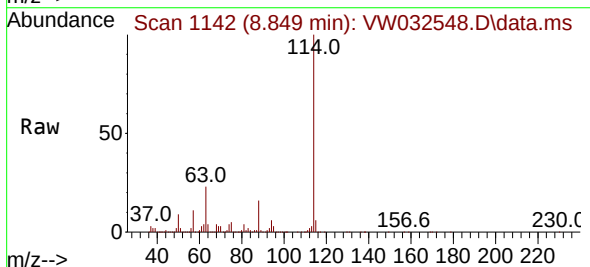
Instrument :
 MSVOA_W
 ClientSampleId :

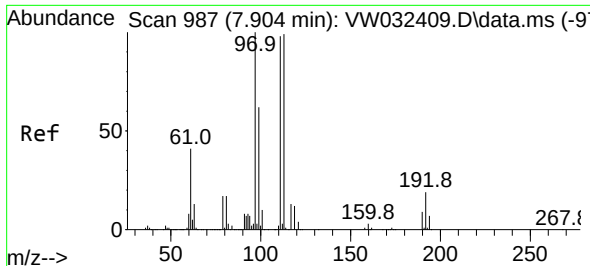
Tgt Ion: 65 Resp: 168859
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032548.D
 Acq: 26 Nov 2025 16:49

Tgt Ion: 114 Resp: 446493
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 41.8
 88 16.2 0.0 32.6

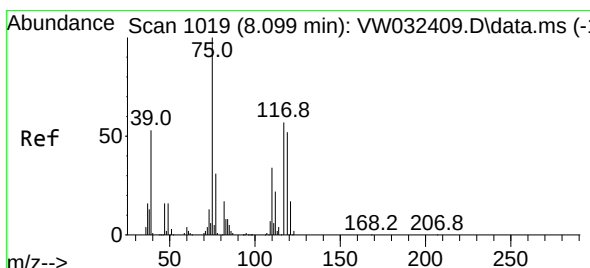
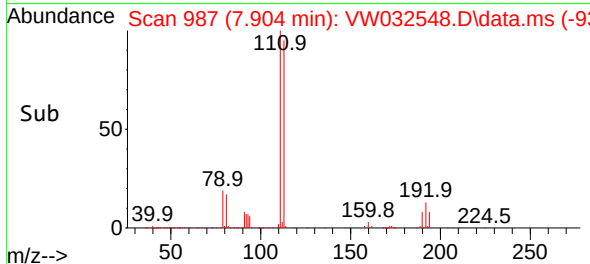
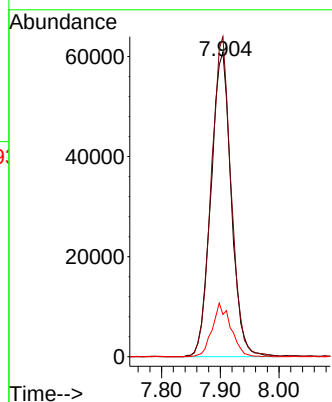
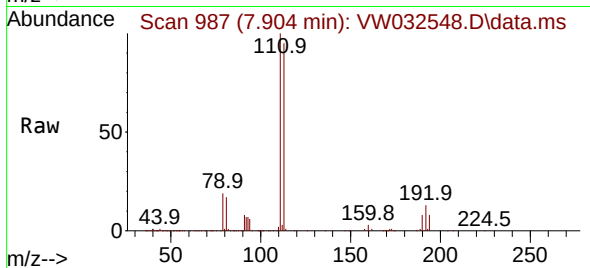




#35
Dibromofluoromethane
Concen: 54.604 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

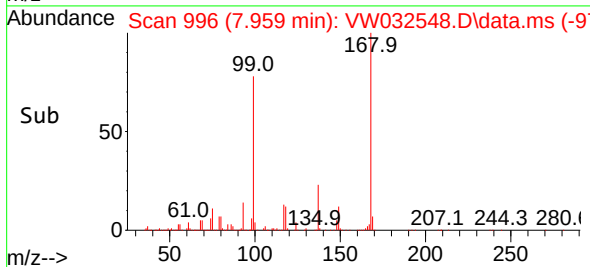
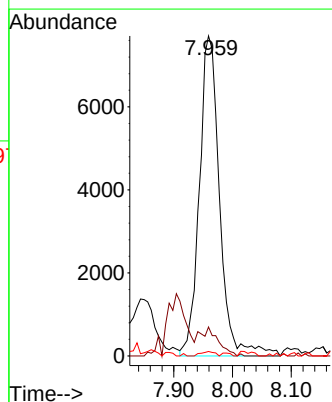
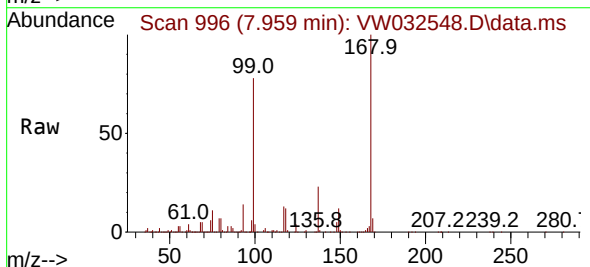
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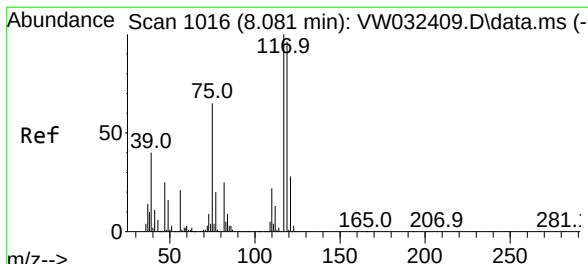
Tgt Ion:113 Resp: 145972
Ion Ratio Lower Upper
113 100
111 102.7 83.1 124.7
192 16.2 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.701 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion: 75 Resp: 18516
Ion Ratio Lower Upper
75 100
110 8.3 17.2 51.5#
77 0.9 24.5 36.7#

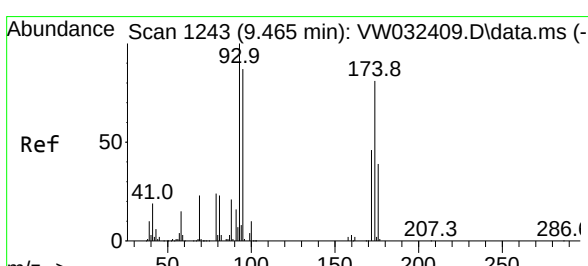
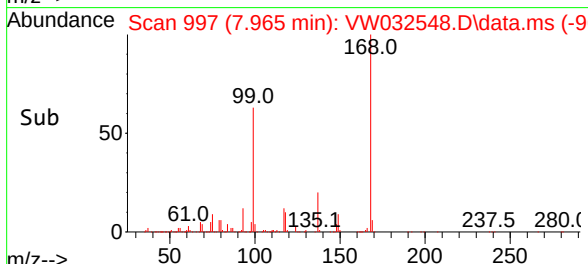
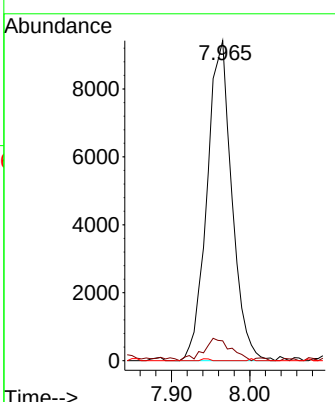
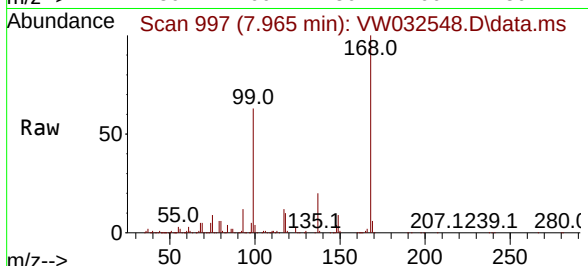




#38
Carbon Tetrachloride
Concen: 5.935 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

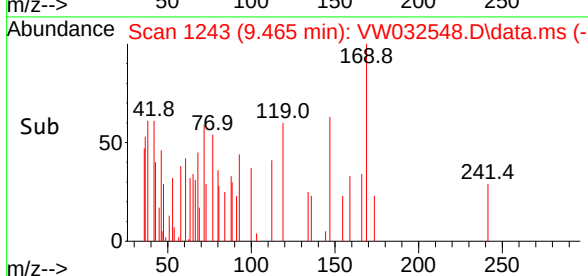
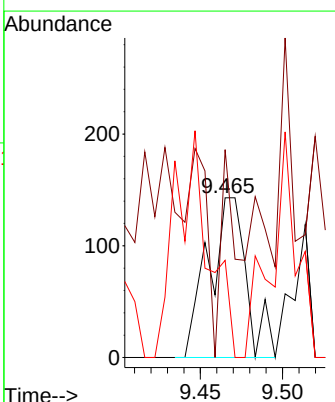
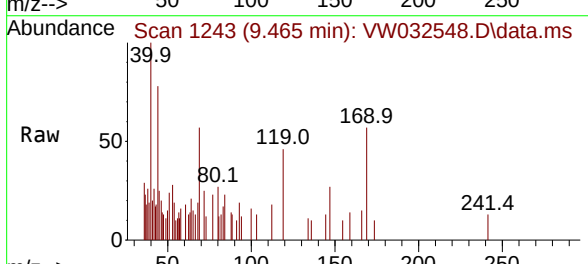
Instrument :
MSVOA_W
ClientSampleId :

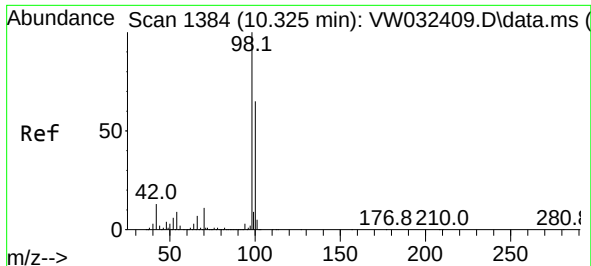
Tgt Ion:	117	Resp:	20772
Ion	Ratio	Lower	Upper
117	100		
119	6.2	77.0	115.4#
121	0.0	22.0	33.0#



#49
1,4-Dioxane
Concen: 8.934 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion:	88	Resp:	231
Ion	Ratio	Lower	Upper
88	100		
43	57.1	0.0	0.0#
58	123.4	63.0	94.4#

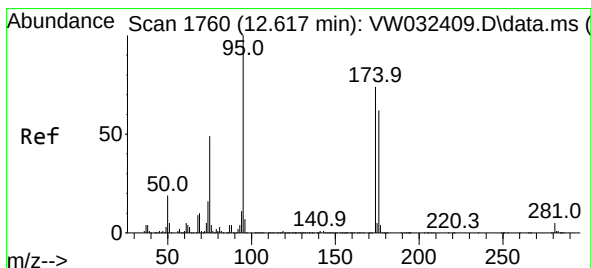
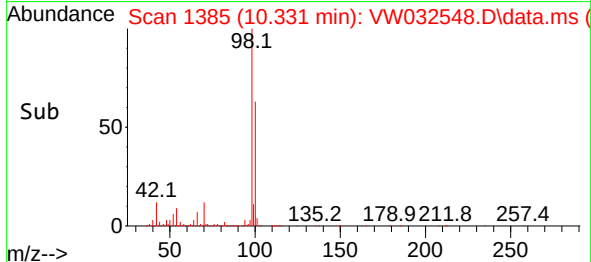
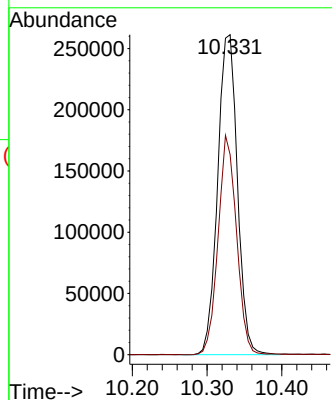
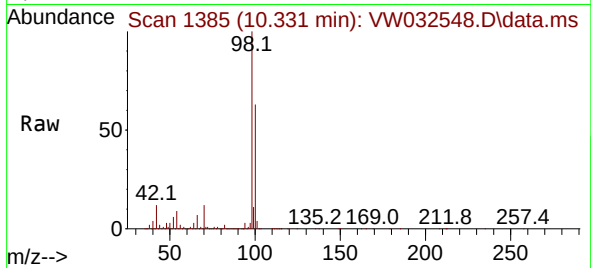




#50
Toluene-d8
Concen: 46.733 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

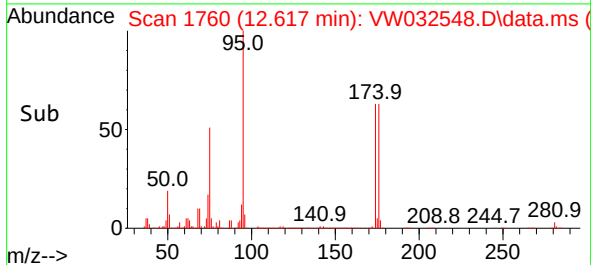
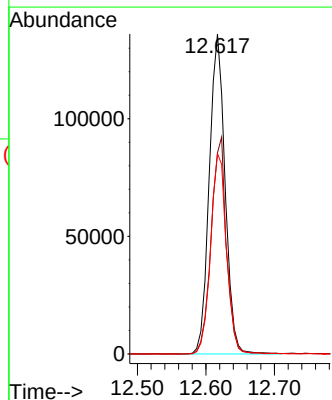
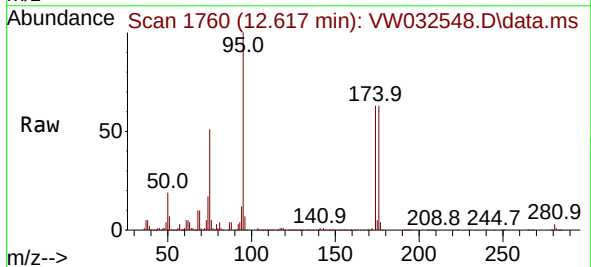
Instrument :
MSVOA_W
ClientSampleId :

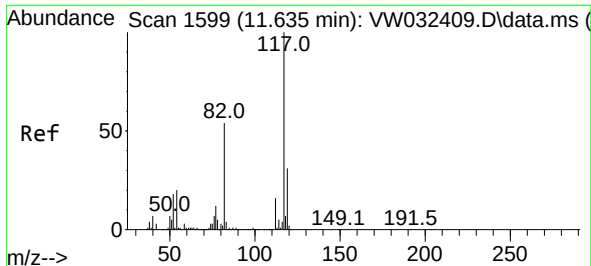
Tgt Ion: 98 Resp: 479275
Ion Ratio Lower Upper
98 100
100 64.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 56.220 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion: 95 Resp: 217802
Ion Ratio Lower Upper
95 100
174 65.6 0.0 135.4
176 62.9 0.0 131.8

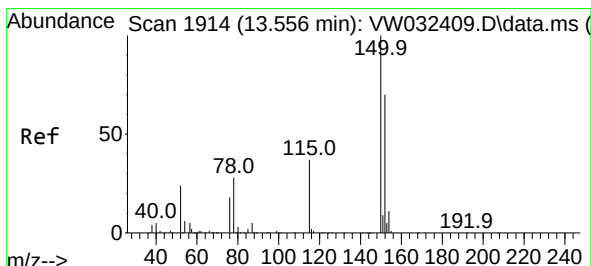
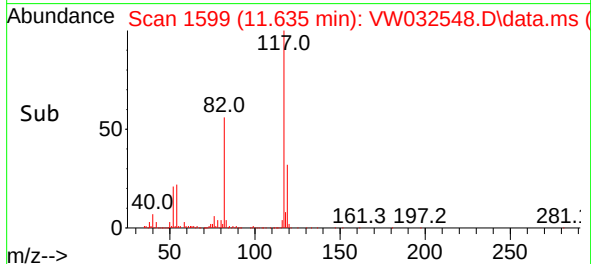
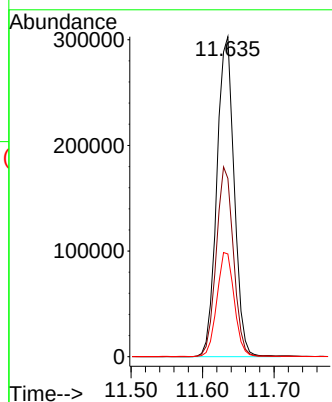
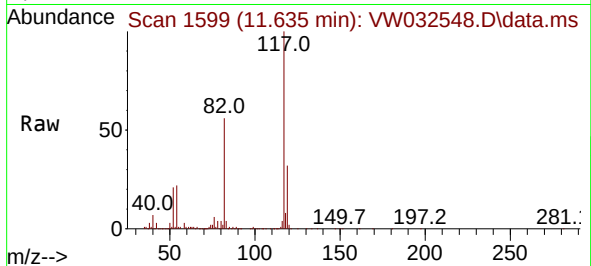




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

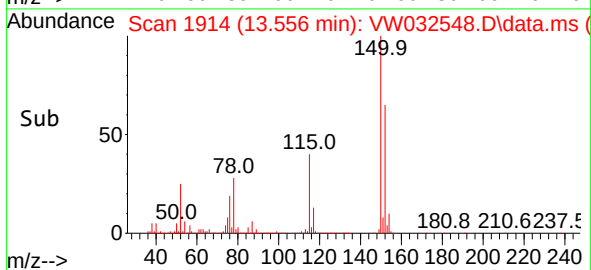
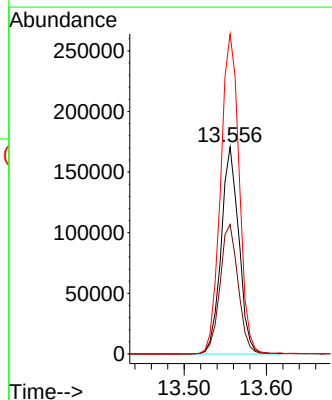
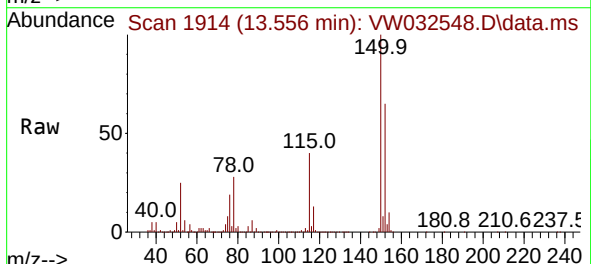
Instrument :
MSVOA_W
ClientSampleId :

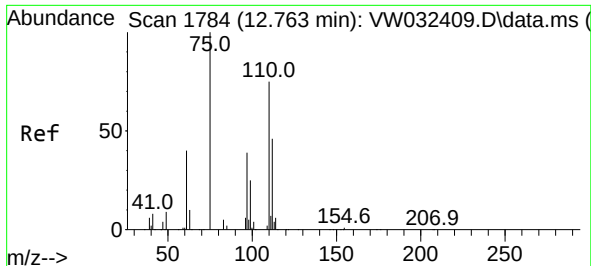
Tgt Ion:117 Resp: 510140
Ion Ratio Lower Upper
117 100
82 55.7 43.0 64.4
119 32.0 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion:152 Resp: 256049
Ion Ratio Lower Upper
152 100
115 64.4 32.8 98.3
150 162.1 0.0 356.6

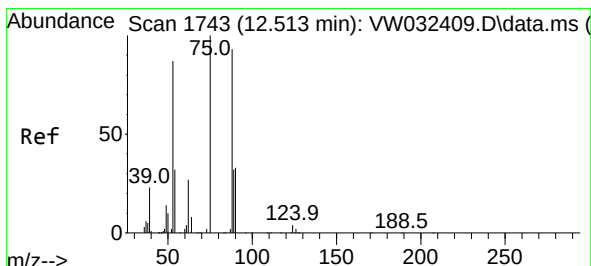
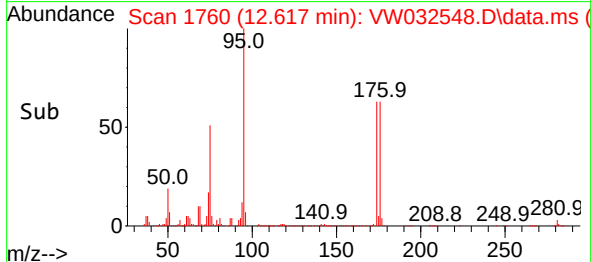
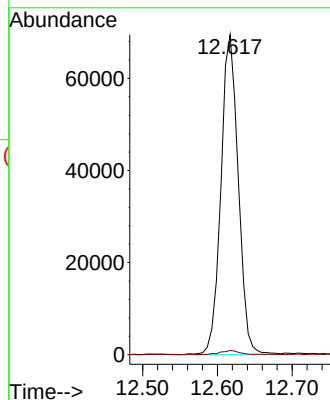
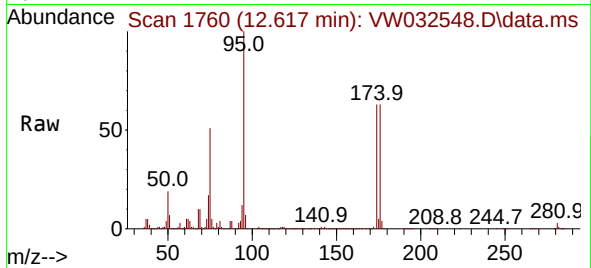




#76
1,2,3-Trichloropropane
Concen: 32.076 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 112613
Ion Ratio Lower Upper
75 100
77 1.5 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.467 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032548.D
Acq: 26 Nov 2025 16:49

Tgt Ion: 75 Resp: 112613
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.2 35.6 53.4#

