

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032495.D
 Acq On : 19 Nov 2025 12:30
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 20 01:17:24 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)

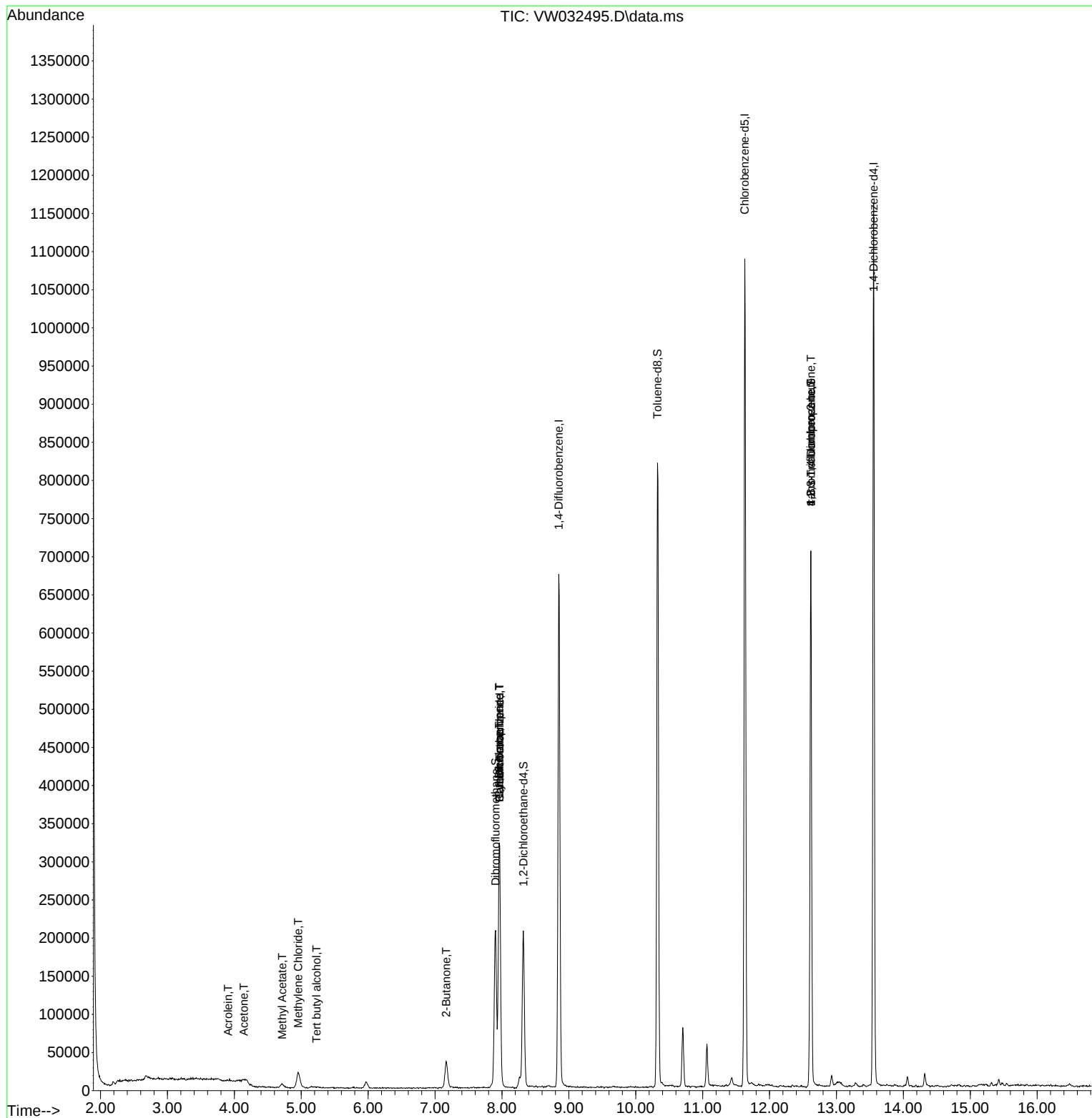
Internal Standards						
1) Pentafluorobenzene	7.965	168	234404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	565923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	593417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	281109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163095	53.969	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 107.940%		
35) Dibromofluoromethane	7.904	113	156598	46.217	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 92.440%		
50) Toluene-d8	10.325	98	555976	42.772	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 85.540%		
62) 4-Bromofluorobenzene	12.617	95	252588	51.439	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 102.880%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	310	1.186	ug/l #	50
13) Acrolein	3.905	56	533	1.216	ug/l #	44
16) Acetone	4.143	43	1295	1.432	ug/l #	88
18) Methyl Acetate	4.716	43	11423	5.102	ug/l	99
20) Methylene Chloride	4.954	84	17891	5.533	ug/l #	93
25) 2-Butanone	7.167	43	2199	1.651	ug/l #	63
31) Cyclohexane	7.959	56	5709	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	21929	4.393	ug/l #	51
38) Carbon Tetrachloride	7.965	117	26415	5.955	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	122681	31.828	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	122681	72.901	ug/l #	11

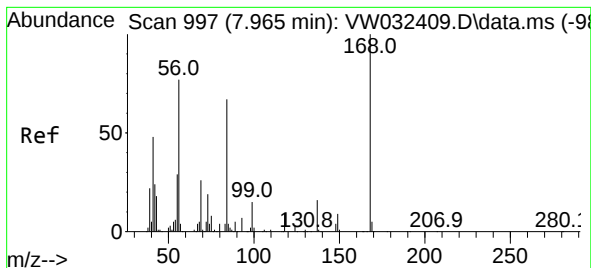
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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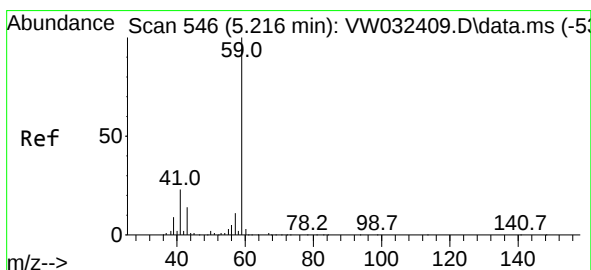
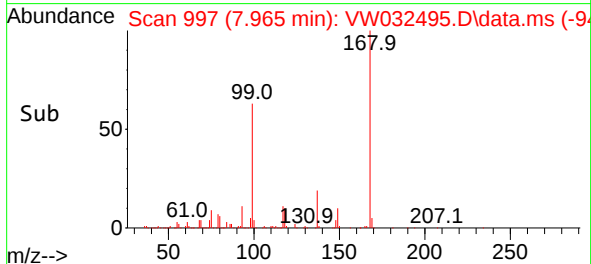
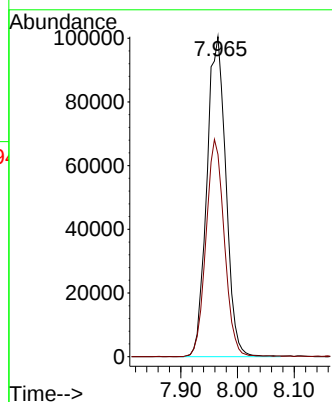
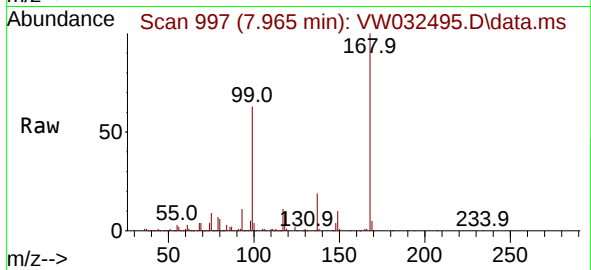




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

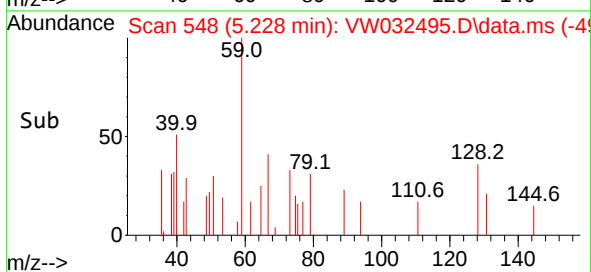
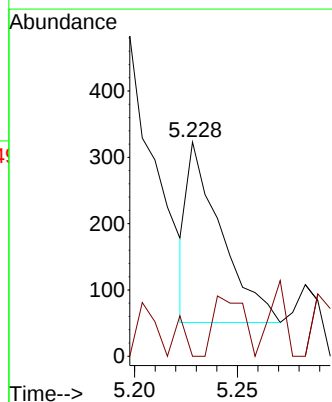
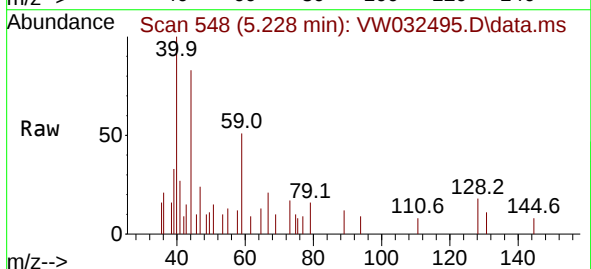
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

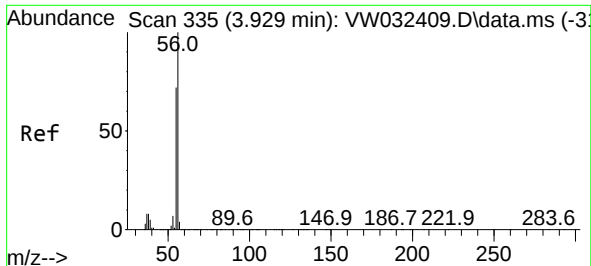
Tgt Ion:168 Resp: 234404
Ion Ratio Lower Upper
168 100
99 63.2 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.186 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.012 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 29.7 8.6 12.8#

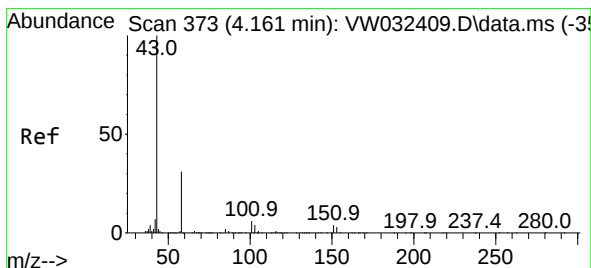
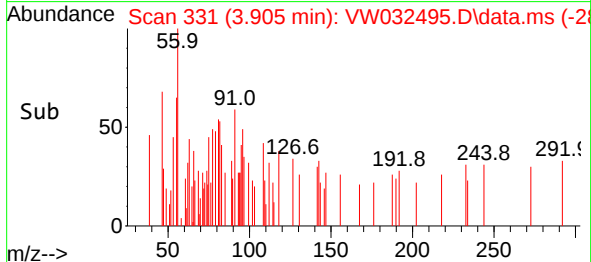
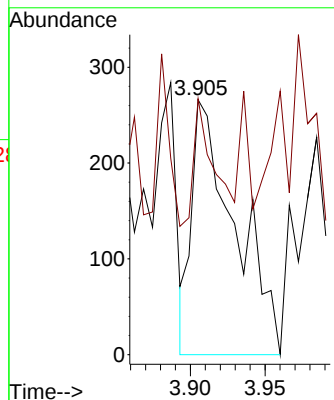
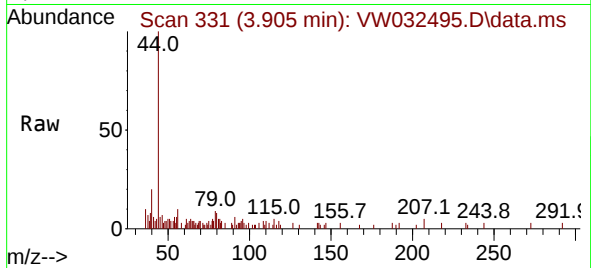




#13
Acrolein
Concen: 1.216 ug/l
RT: 3.905 min Scan# 31
Delta R.T. -0.024 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

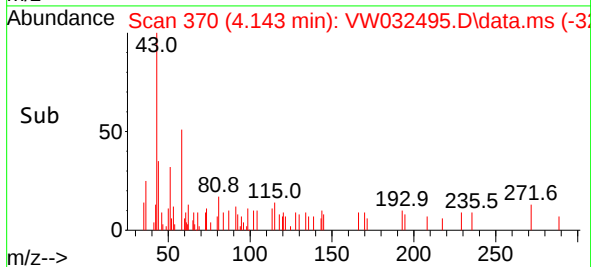
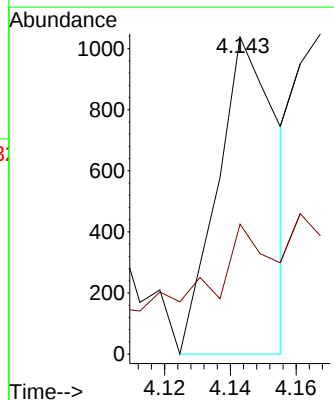
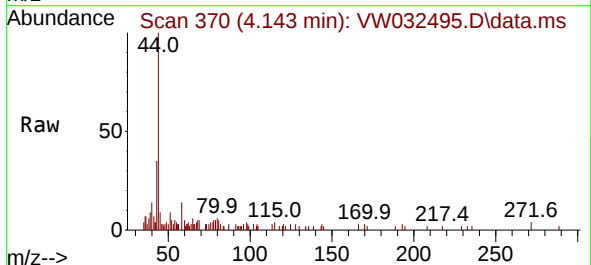
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

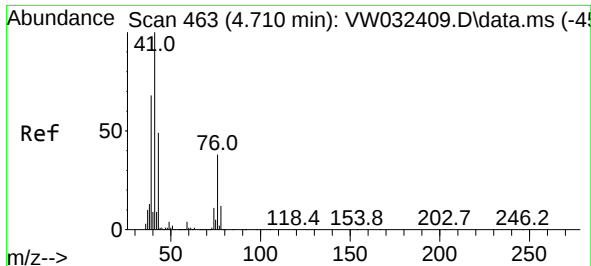
Tgt Ion: 56 Resp: 533
Ion Ratio Lower Upper
56 100
55 24.2 56.3 84.5#



#16
Acetone
Concen: 1.432 ug/l
RT: 4.143 min Scan# 370
Delta R.T. -0.018 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

Tgt Ion: 43 Resp: 1295
Ion Ratio Lower Upper
43 100
58 24.5 24.8 37.2#

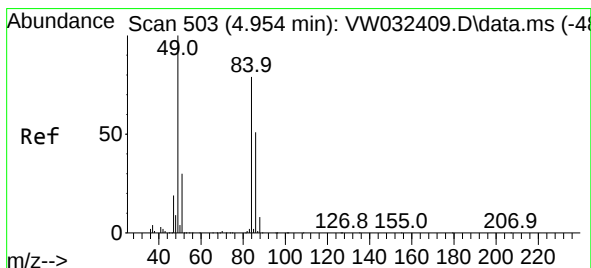
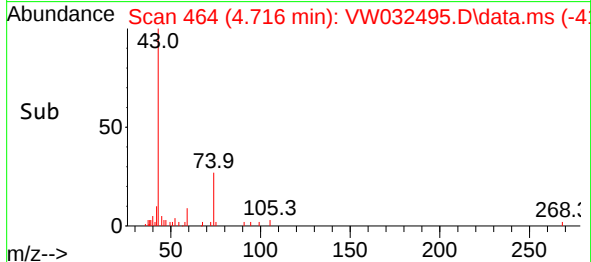
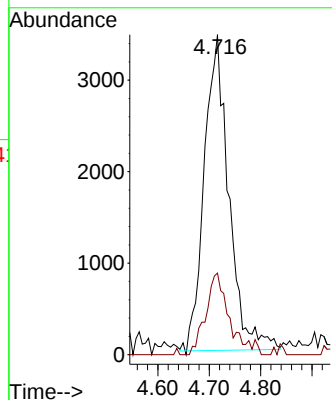
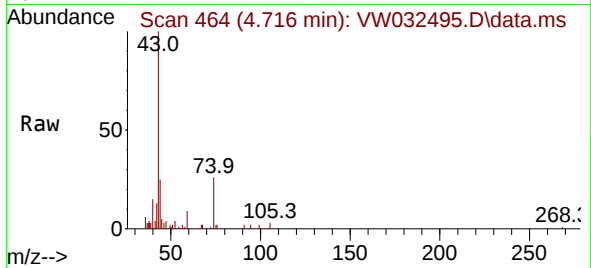




#18
Methyl Acetate
Concen: 5.102 ug/l
RT: 4.716 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

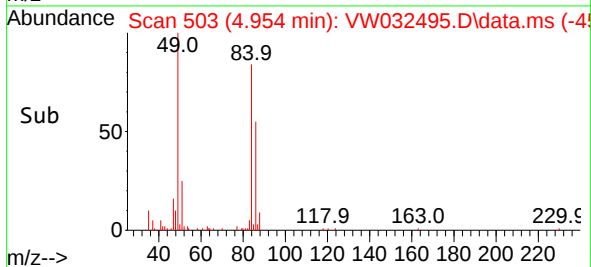
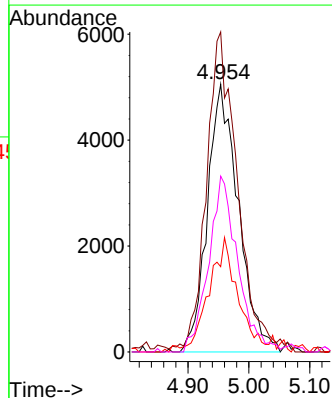
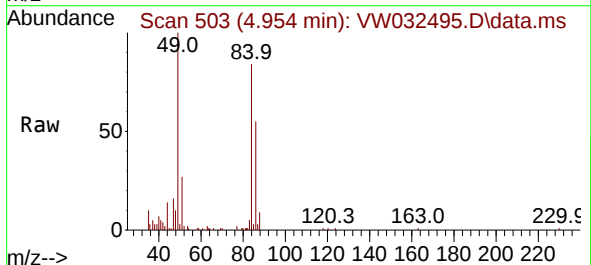
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

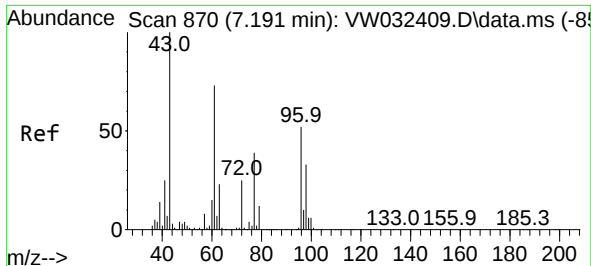
Tgt Ion: 43 Resp: 11423
Ion Ratio Lower Upper
43 100
74 23.3 18.9 28.3



#20
Methylene Chloride
Concen: 5.533 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

Tgt Ion: 84 Resp: 17891
Ion Ratio Lower Upper
84 100
49 116.6 101.5 152.3
51 30.4 30.6 46.0#
86 65.7 51.9 77.9

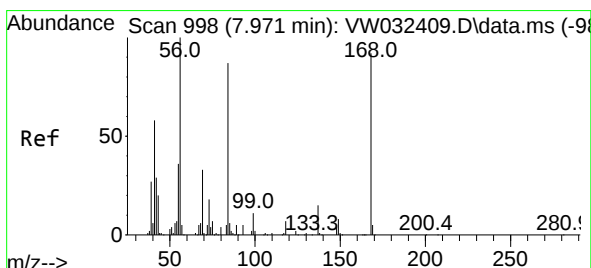
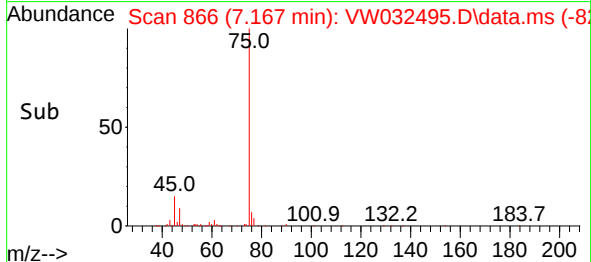
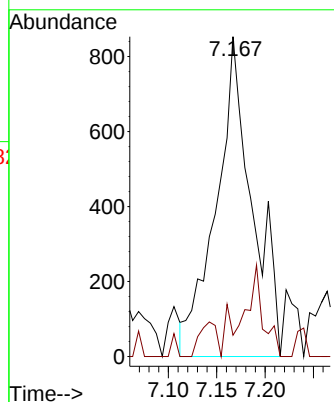
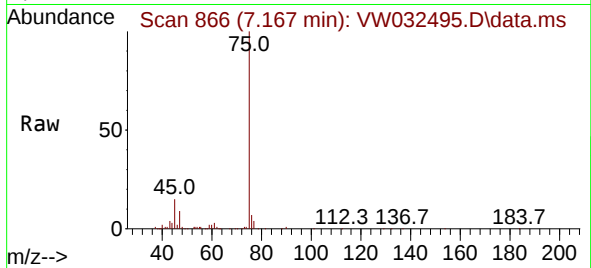




#25
2-Butanone
Concen: 1.651 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

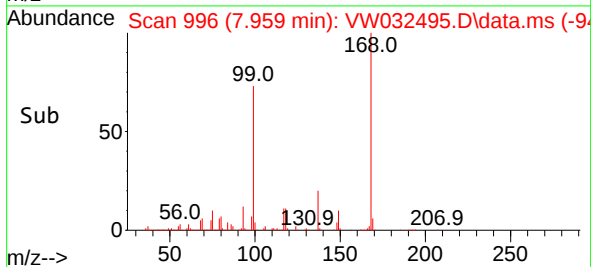
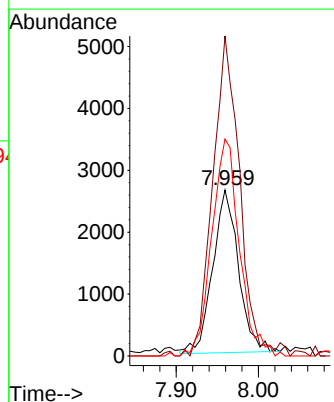
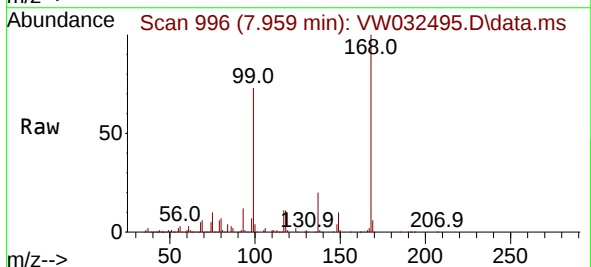
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

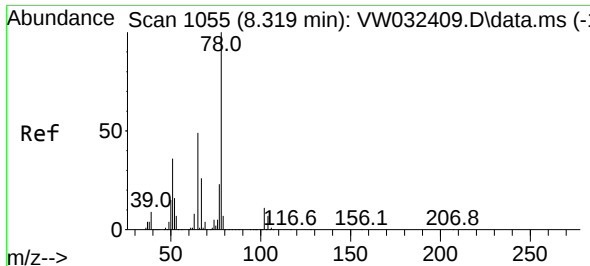
Tgt Ion: 43 Resp: 2199
Ion Ratio Lower Upper
43 100
72 6.7 20.0 30.0#



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

Tgt Ion: 56 Resp: 5709
Ion Ratio Lower Upper
56 100
69 198.5 26.5 39.7#
84 134.6 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 53.969 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032495.D

Acq: 19 Nov 2025 12:30

Instrument :

MSVOA_W

ClientSampleId :

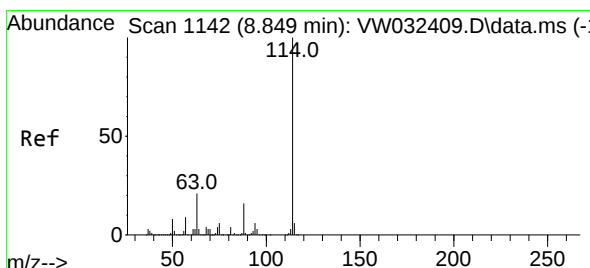
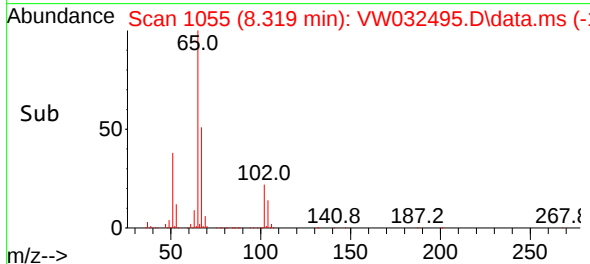
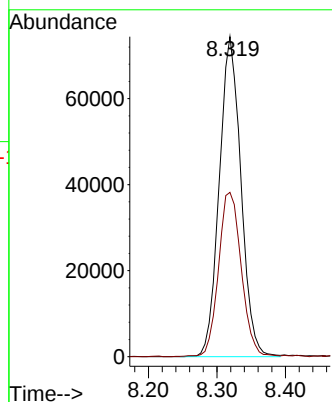
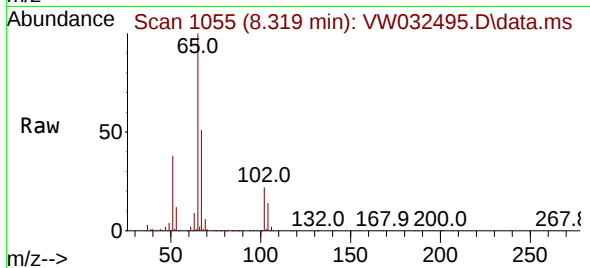
VIBLK

Tgt Ion: 65 Resp: 163095

Ion Ratio Lower Upper

65 100

67 53.9 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: VW032495.D

Acq: 19 Nov 2025 12:30

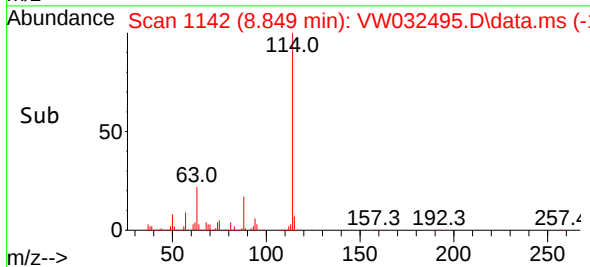
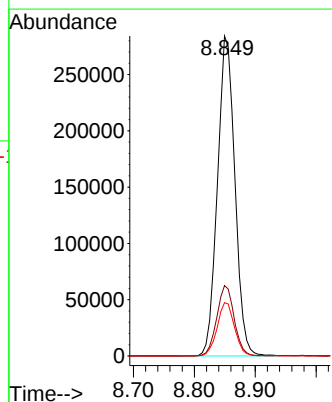
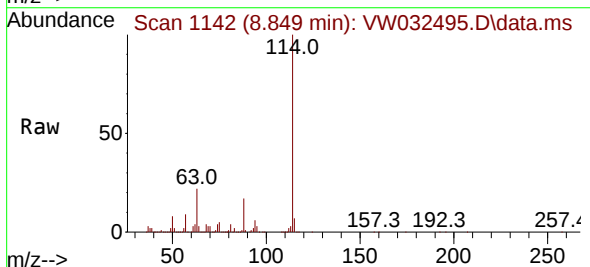
Tgt Ion: 114 Resp: 565923

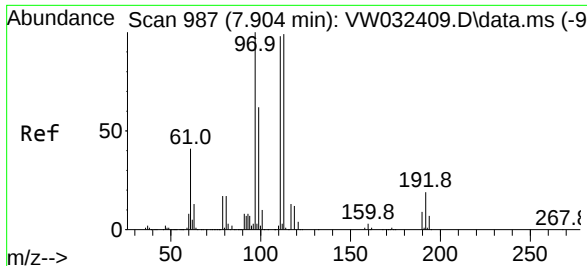
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 16.7 0.0 32.6

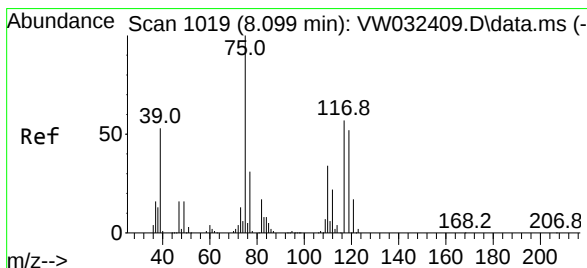
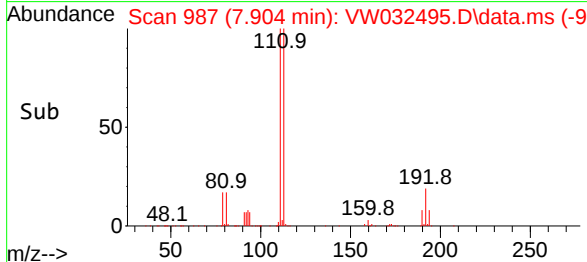
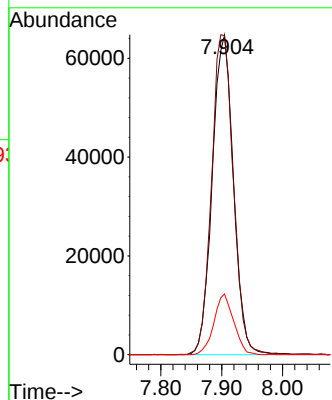
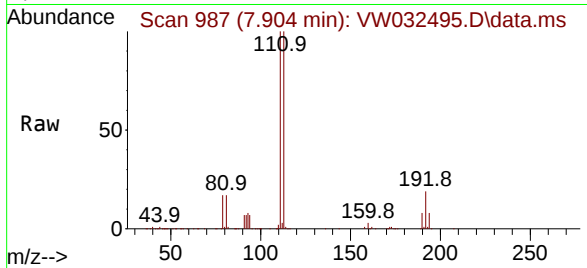




#35
Dibromofluoromethane
Concen: 46.217 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

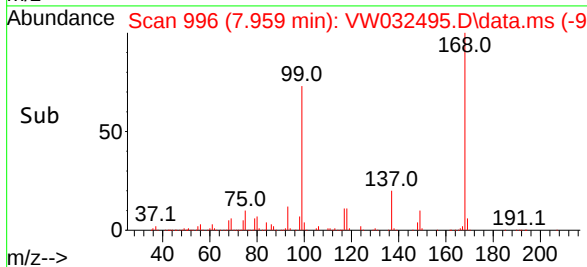
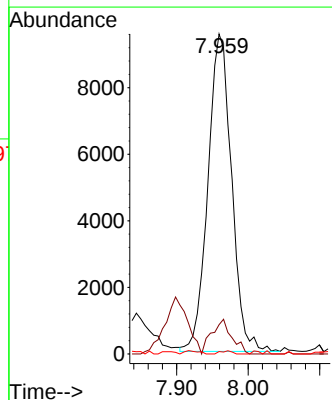
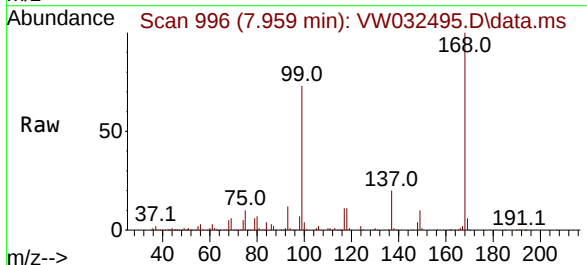
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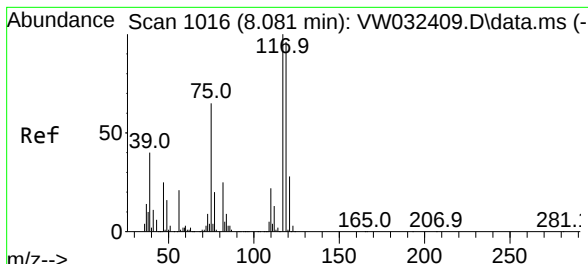
Tgt Ion:113 Resp: 156598
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 17.7 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.393 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

Tgt Ion: 75 Resp: 21929
Ion Ratio Lower Upper
75 100
110 9.2 17.2 51.5#
77 0.5 24.5 36.7#

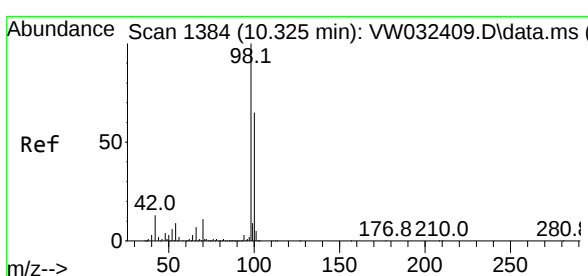
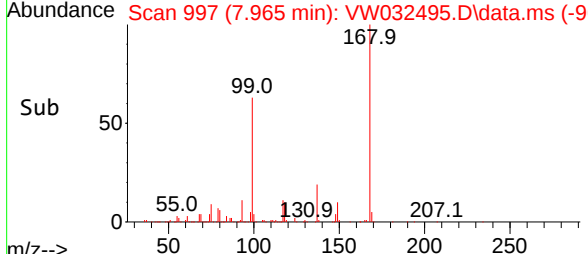
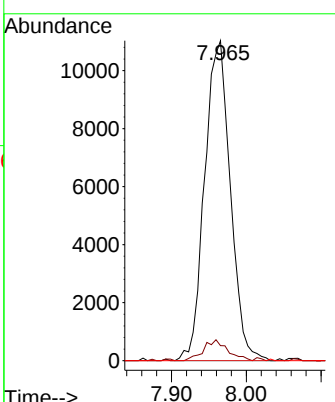
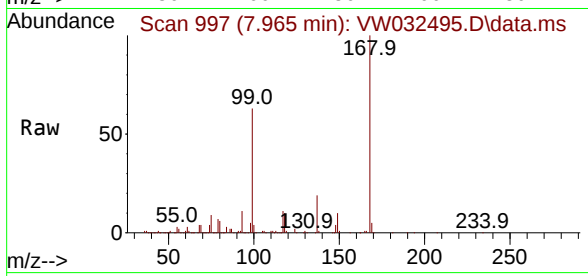




#38
Carbon Tetrachloride
Concen: 5.955 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

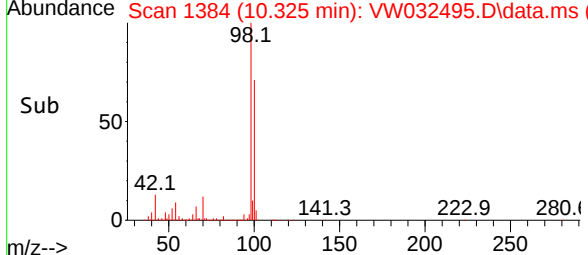
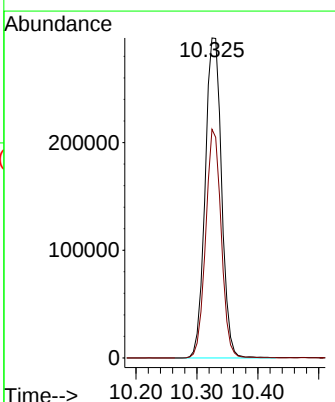
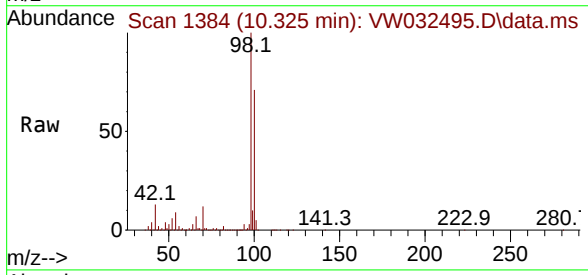
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

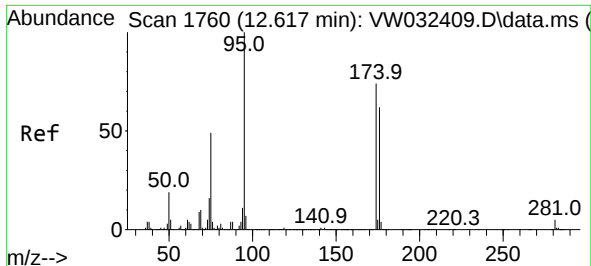
Tgt Ion:	117	Resp:	26415
Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.0	115.4#
121	0.0	22.0	33.0#



#50
Toluene-d8
Concen: 42.772 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

Tgt Ion:	98	Resp:	555976
Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.3	79.9

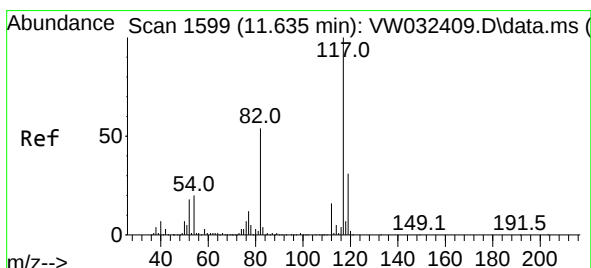
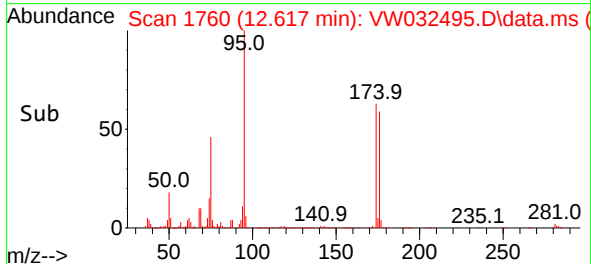
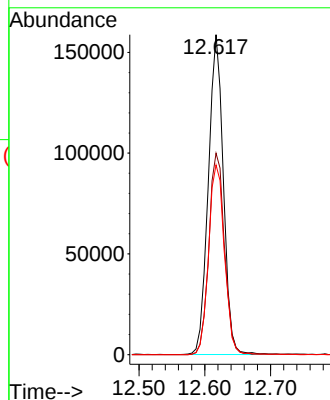
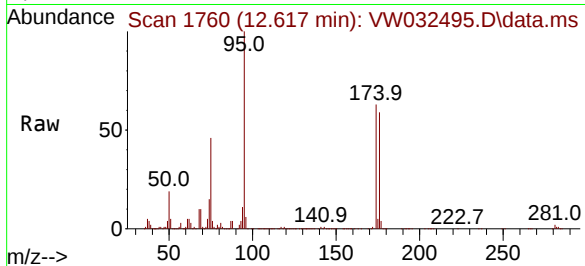




#62
4-Bromofluorobenzene
Concen: 51.439 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

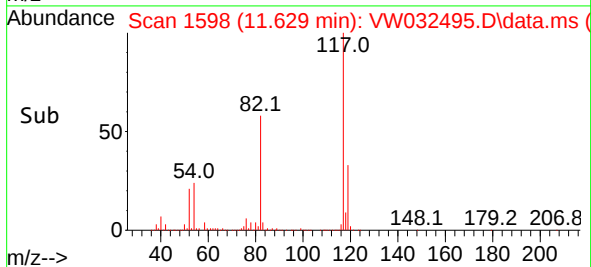
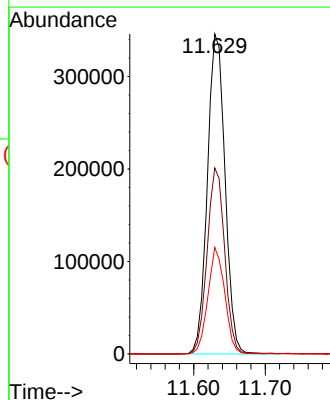
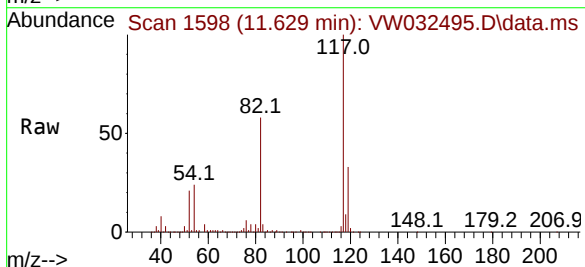
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

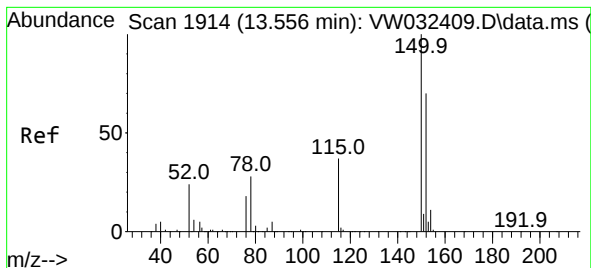
Tgt Ion: 95 Resp: 252588
Ion Ratio Lower Upper
95 100
174 65.4 0.0 135.4
176 62.5 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032495.D
Acq: 19 Nov 2025 12:30

Tgt Ion: 117 Resp: 593417
Ion Ratio Lower Upper
117 100
82 58.1 43.0 64.4
119 33.3 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: VW032495.D

Acq: 19 Nov 2025 12:30

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

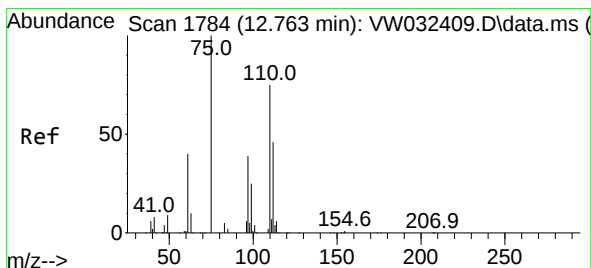
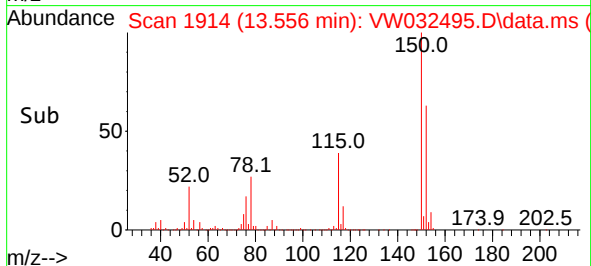
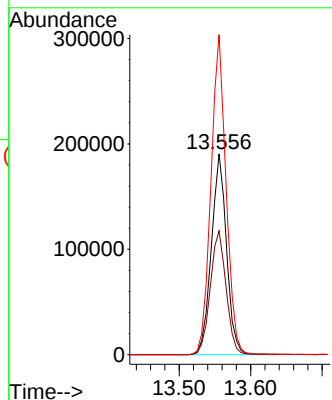
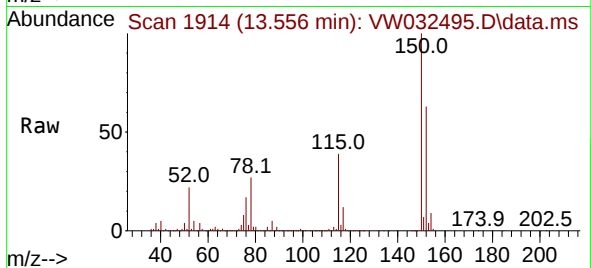
Tgt Ion:152 Resp: 281109

Ion Ratio Lower Upper

152 100

115 64.0 32.8 98.3

150 158.9 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 31.828 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032495.D

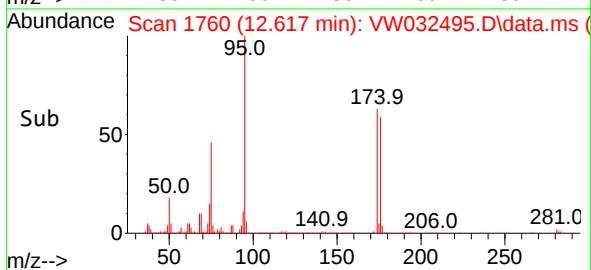
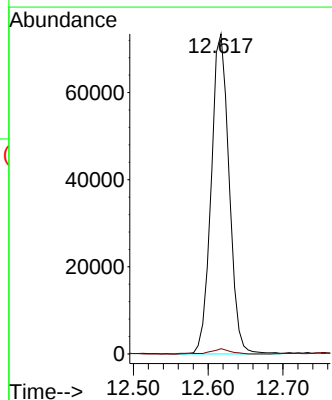
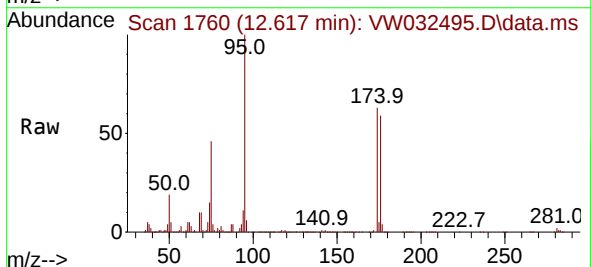
Acq: 19 Nov 2025 12:30

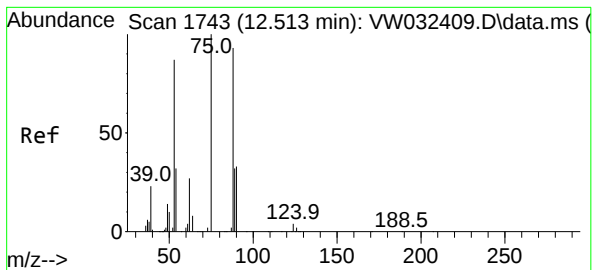
Tgt Ion: 75 Resp: 122681

Ion Ratio Lower Upper

75 100

77 1.6 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.901 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032495.D
 Acq: 19 Nov 2025 12:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 122681
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.0 35.6 53.4#

