

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
 Data File : VW032534.D
 Acq On : 25 Nov 2025 13:48
 Operator : SY/MD
 Sample : Q3719-02
 Misc : 5.28g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-10B

Quant Time: Nov 26 01:40:14 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)

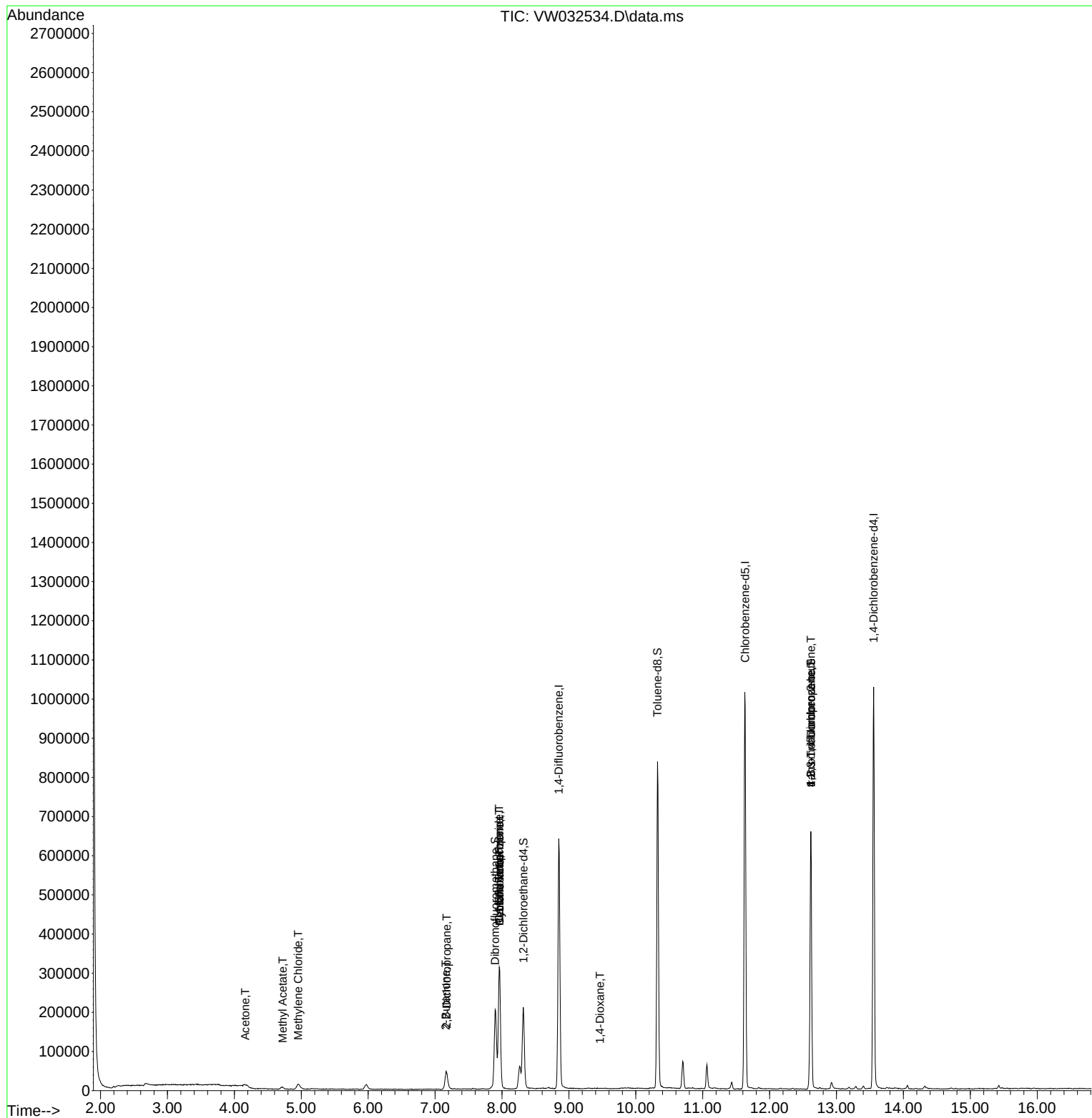
Internal Standards						
1) Pentafluorobenzene	7.965	168	227021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	528970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	565806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	258185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162152	55.402	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 110.800%		
35) Dibromofluoromethane	7.898	113	156487	49.411	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 98.820%		
50) Toluene-d8	10.325	98	539022	44.364	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 88.720%		
62) 4-Bromofluorobenzene	12.617	95	235894	51.396	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 102.800%		
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	5617	6.415	ug/l #	68
18) Methyl Acetate	4.722	43	10691	4.930	ug/l	100
20) Methylene Chloride	4.954	84	11845	3.783	ug/l	88
25) 2-Butanone	7.161	43	1808	1.402	ug/l #	69
26) 2,2-Dichloropropane	7.173	77	3563	1.221	ug/l #	51
31) Cyclohexane	7.965	56	5818	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	20820	4.462	ug/l #	50
38) Carbon Tetrachloride	7.959	117	24696	5.956	ug/l #	16
49) 1,4-Dioxane	9.465	88	75	2.448	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	120496	34.037	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	120496	77.960	ug/l #	11

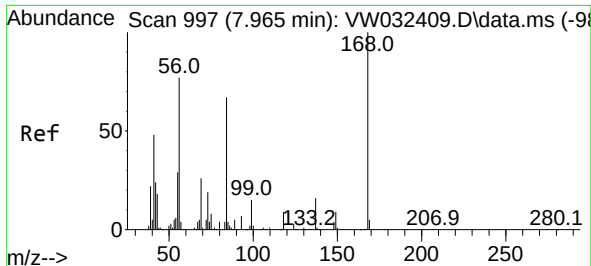
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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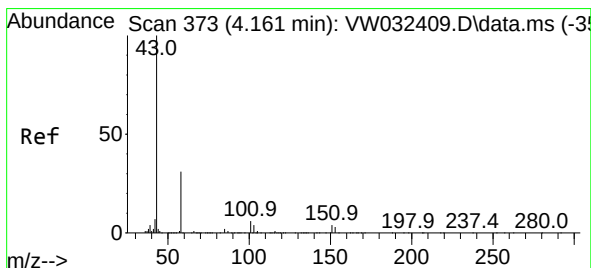
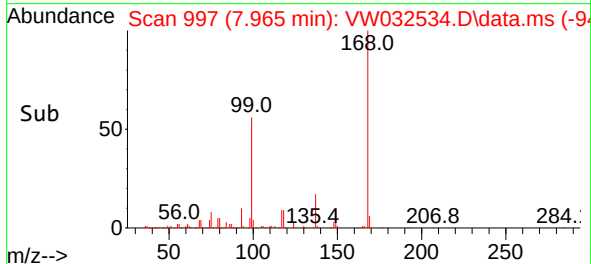
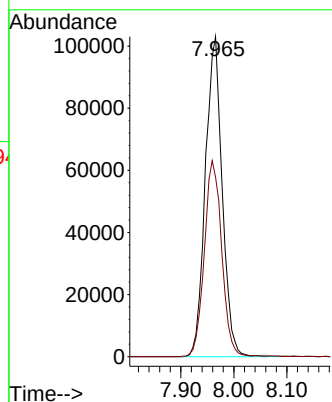
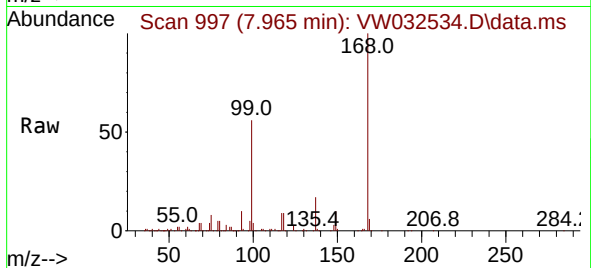




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

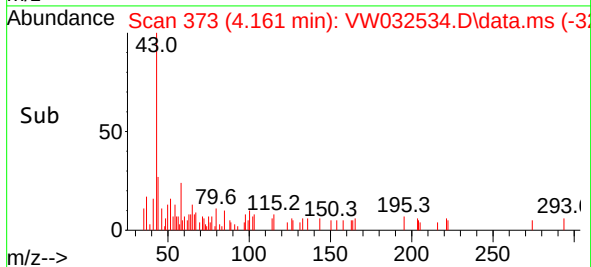
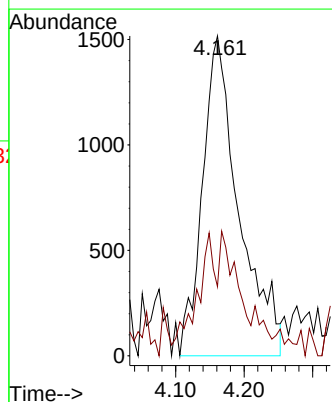
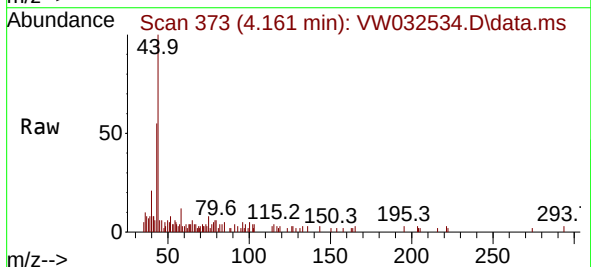
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

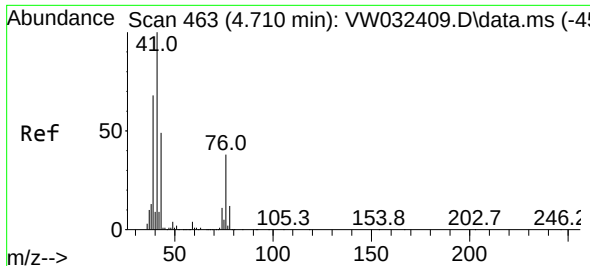
Tgt Ion:168 Resp: 227021
Ion Ratio Lower Upper
168 100
99 56.1 45.4 68.2



#16
Acetone
Concen: 6.415 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

Tgt Ion: 43 Resp: 5617
Ion Ratio Lower Upper
43 100
58 13.2 24.8 37.2#

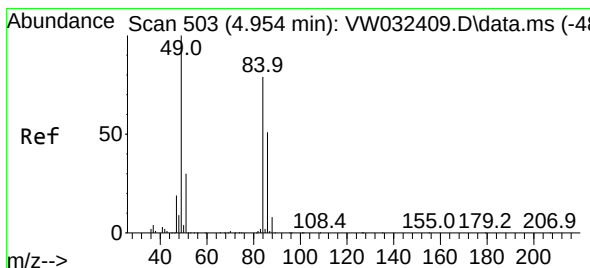
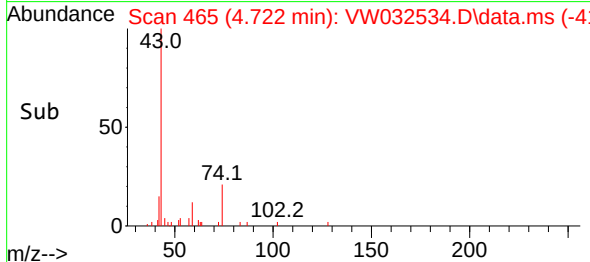
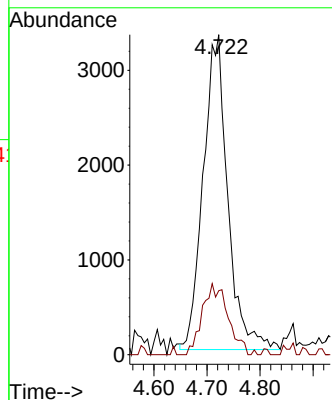
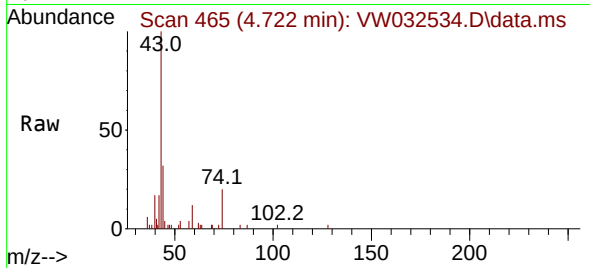




#18
Methyl Acetate
Concen: 4.930 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

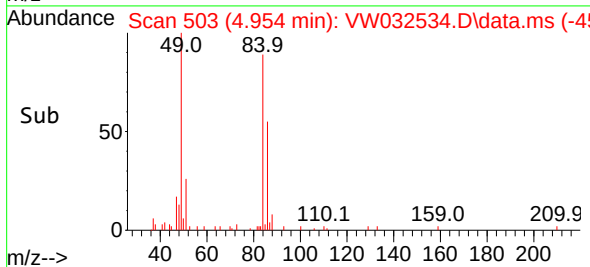
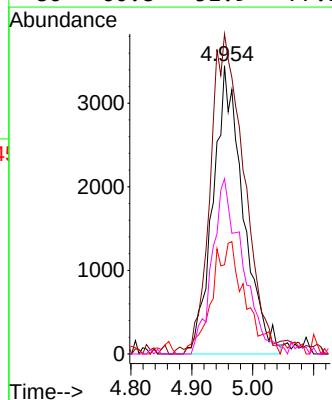
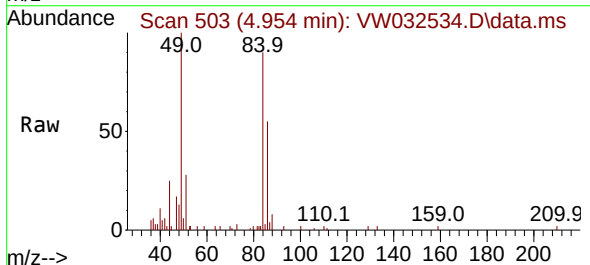
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

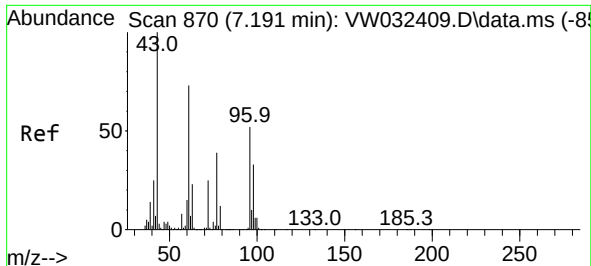
Tgt Ion: 43 Resp: 10691
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3



#20
Methylene Chloride
Concen: 3.783 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

Tgt Ion: 84 Resp: 11845
Ion Ratio Lower Upper
84 100
49 108.6 101.5 152.3
51 31.0 30.6 46.0
86 60.8 51.9 77.9

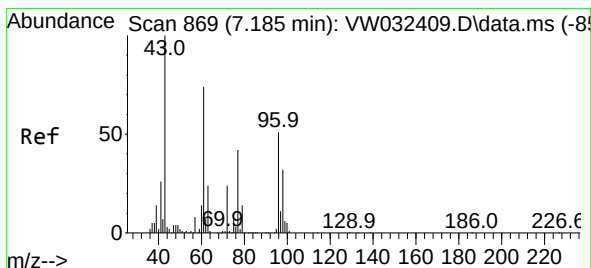
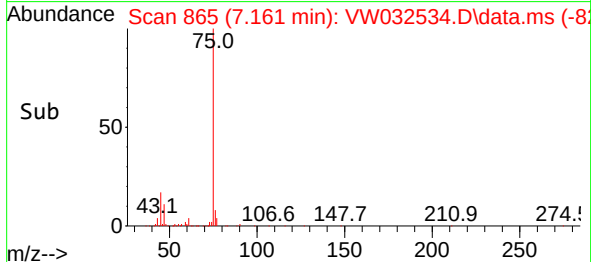
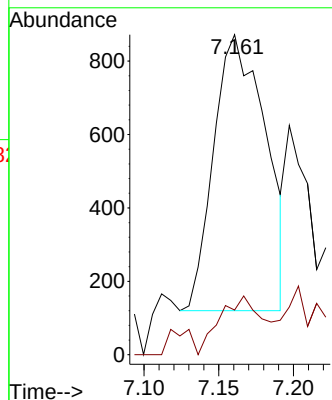
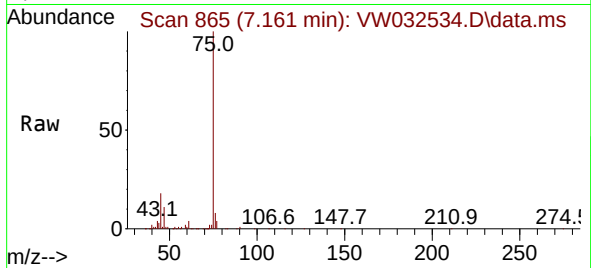




#25
2-Butanone
Concen: 1.402 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.030 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

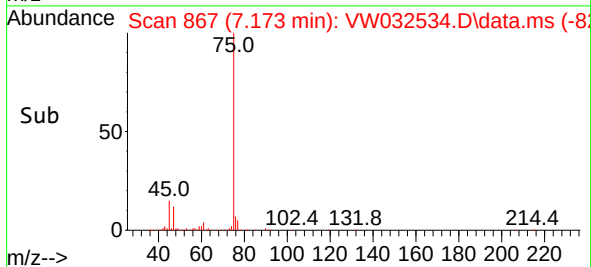
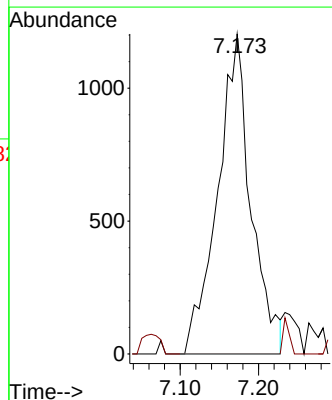
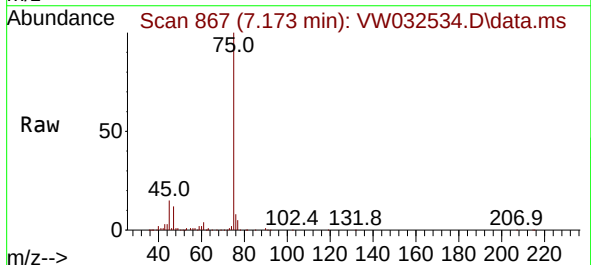
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

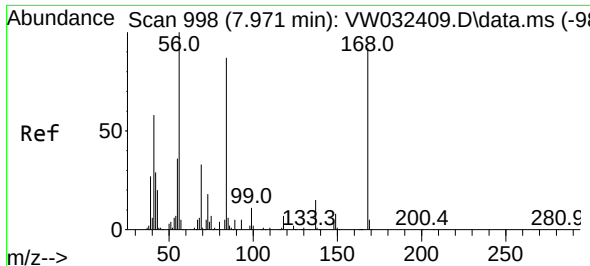
Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
72 9.4 20.0 30.0#



#26
2,2-Dichloropropane
Concen: 1.221 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.012 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

Tgt Ion: 77 Resp: 3563
Ion Ratio Lower Upper
77 100
97 0.0 12.3 36.8#

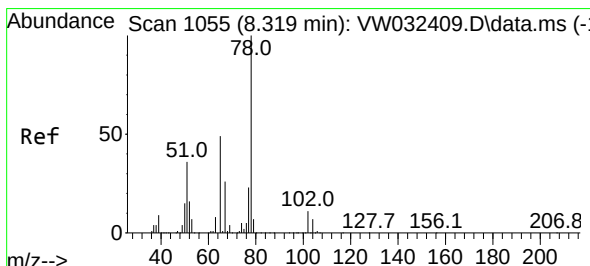
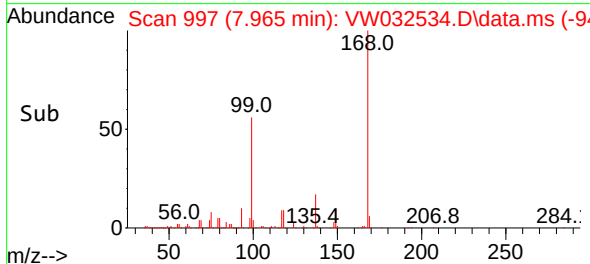
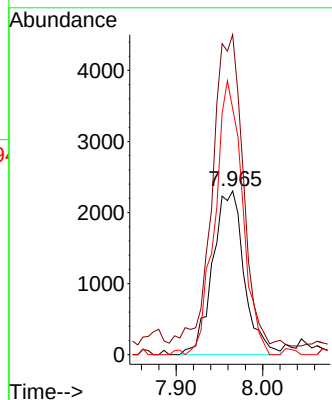
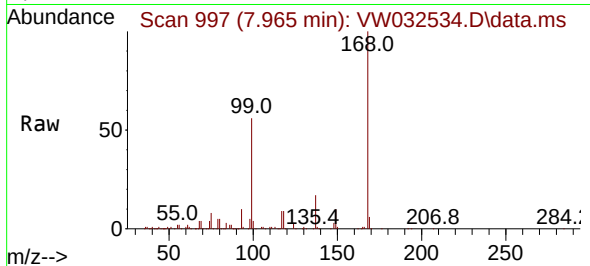




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

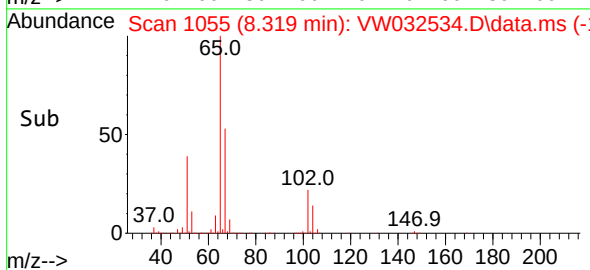
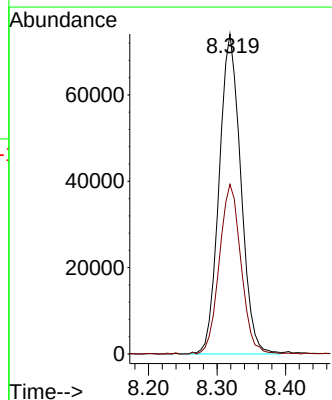
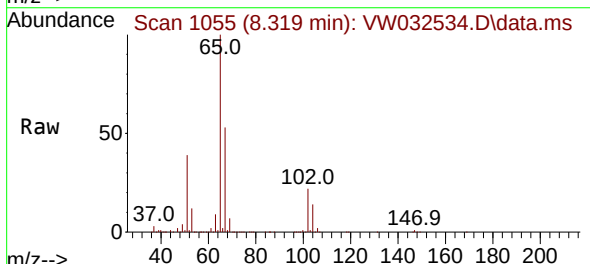
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

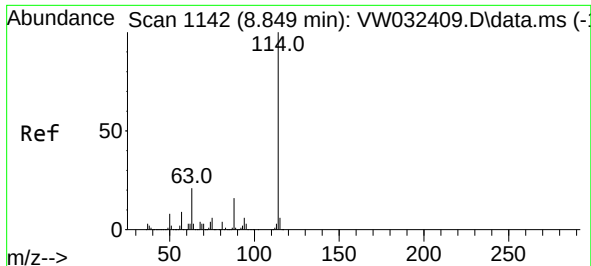
Tgt Ion: 56 Resp: 5818
Ion Ratio Lower Upper
56 100
69 190.9 26.5 39.7#
84 153.7 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 55.402 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

Tgt Ion: 65 Resp: 162152
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8

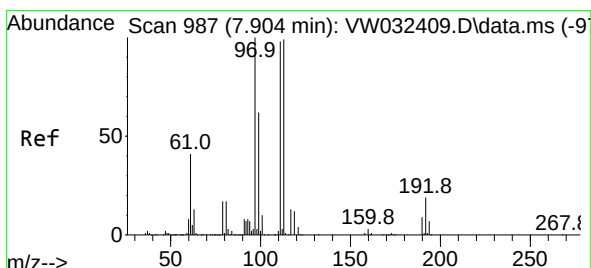
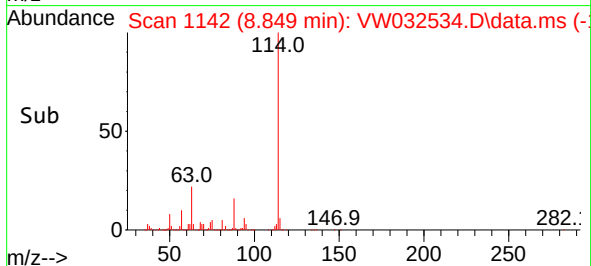
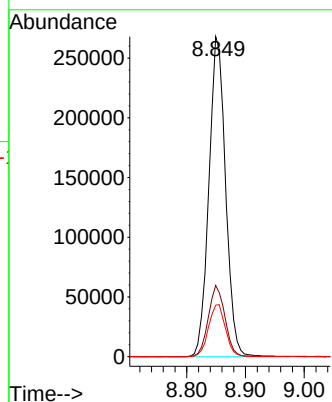
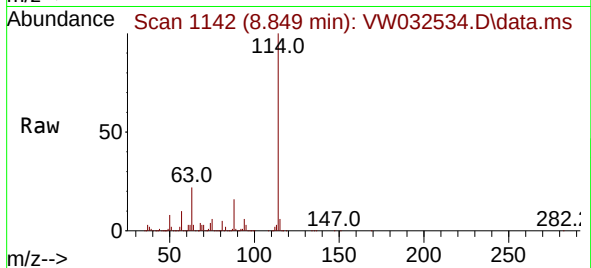




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

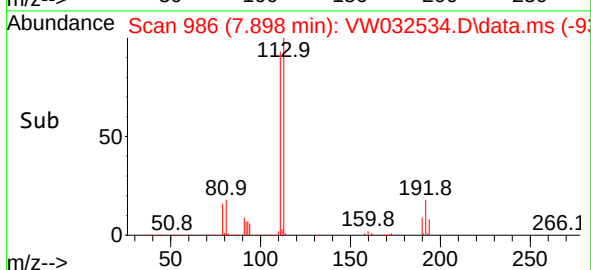
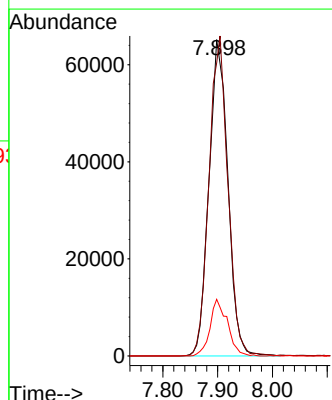
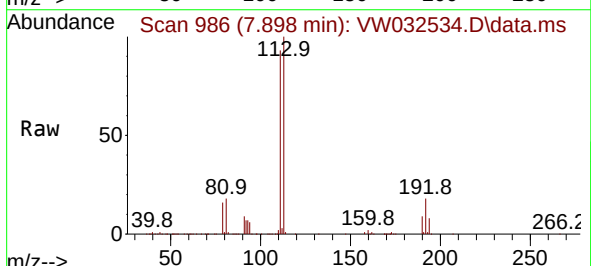
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10B

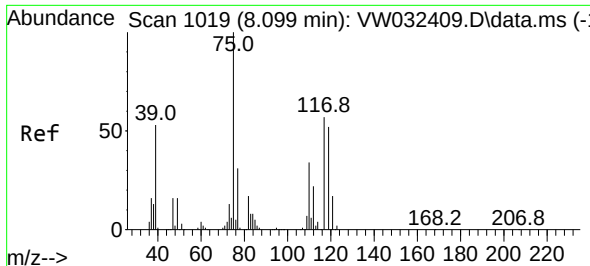
Tgt Ion:114 Resp: 528970
Ion Ratio Lower Upper
114 100
63 22.2 0.0 41.8
88 16.1 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.411 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

Tgt Ion:113 Resp: 156487
Ion Ratio Lower Upper
113 100
111 100.6 83.1 124.7
192 16.5 13.4 20.2





#36

1,1-Dichloropropene

Concen: 4.462 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032534.D

Acq: 25 Nov 2025 13:48

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-10B

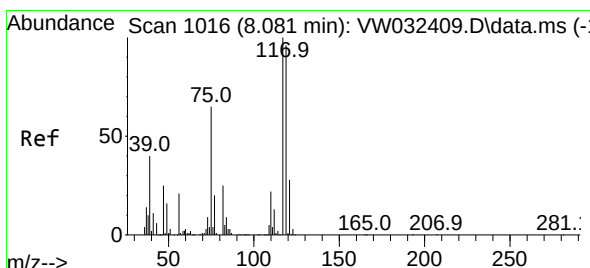
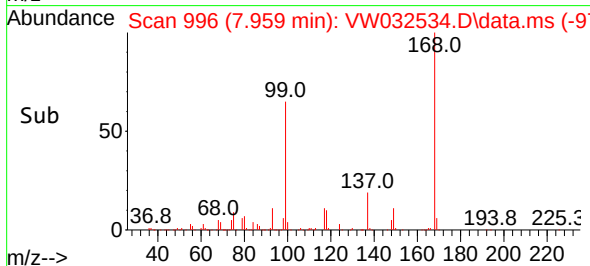
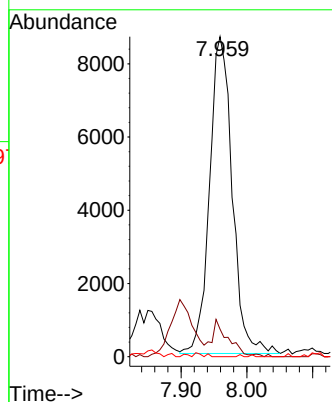
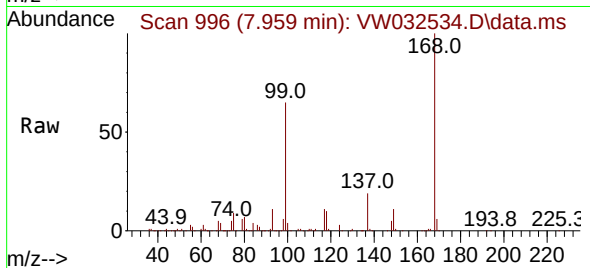
Tgt Ion: 75 Resp: 20820

Ion Ratio Lower Upper

75 100

110 8.6 17.2 51.5#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.956 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032534.D

Acq: 25 Nov 2025 13:48

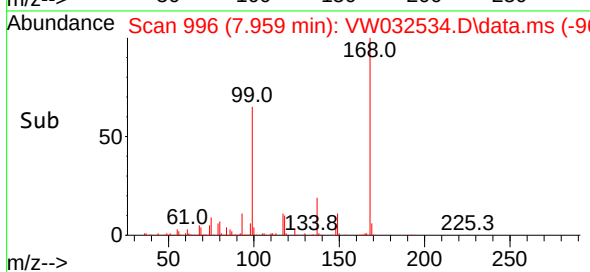
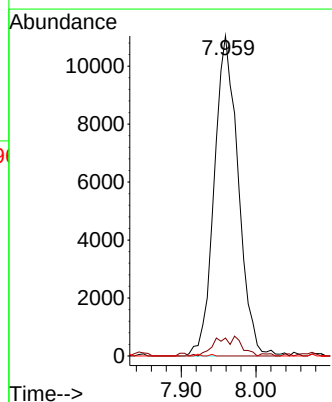
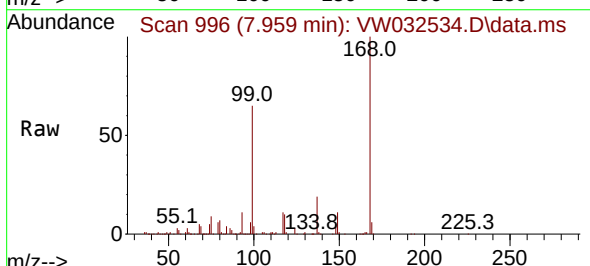
Tgt Ion: 117 Resp: 24696

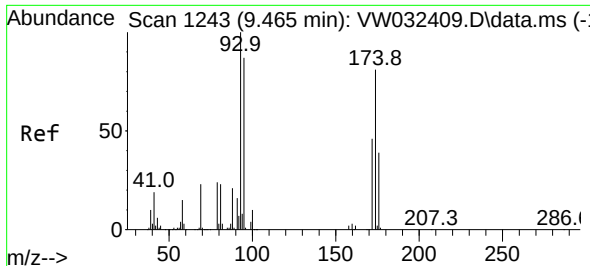
Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.4#

121 0.0 22.0 33.0#

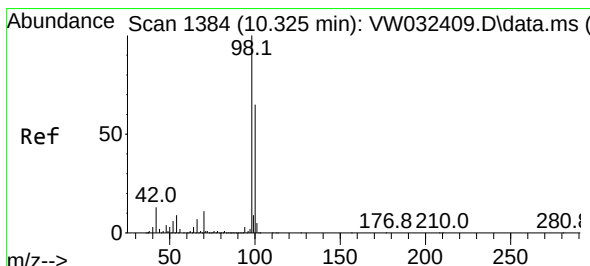
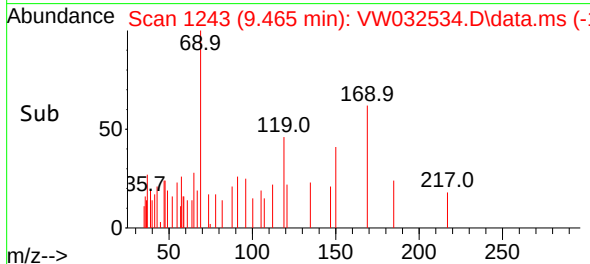
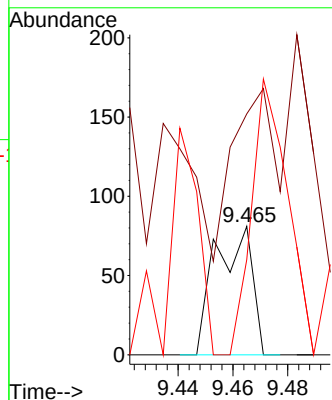
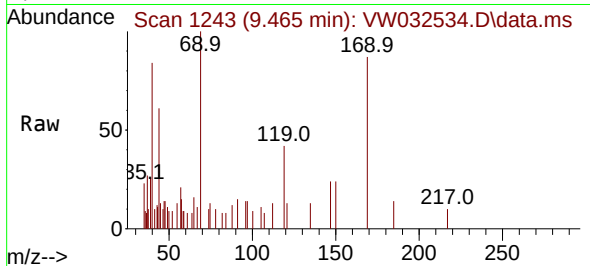




#49
1,4-Dioxane
Concen: 2.448 ug/l
RT: 9.465 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

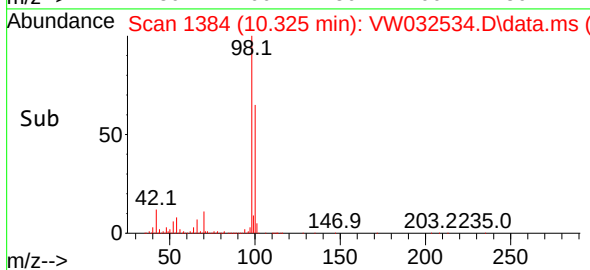
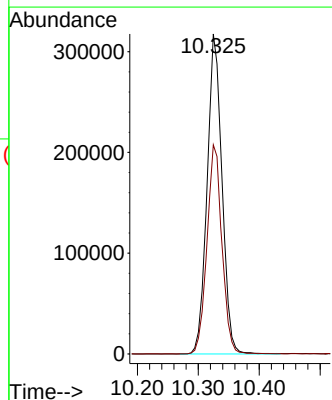
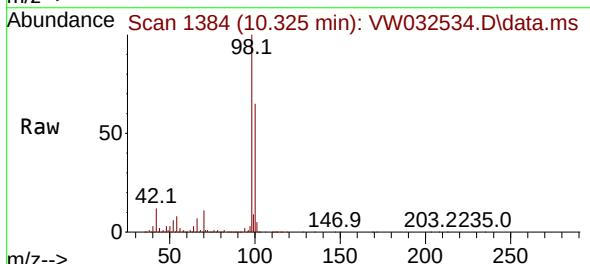
Instrument :
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SB-1125-10B

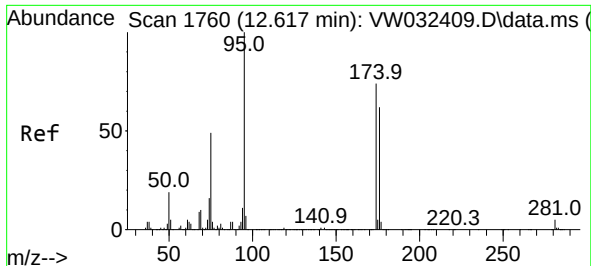
Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 222.7 0.0 0.0#
58 210.7 63.0 94.4#



#50
Toluene-d8
Concen: 44.364 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

Tgt Ion: 98 Resp: 539022
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9

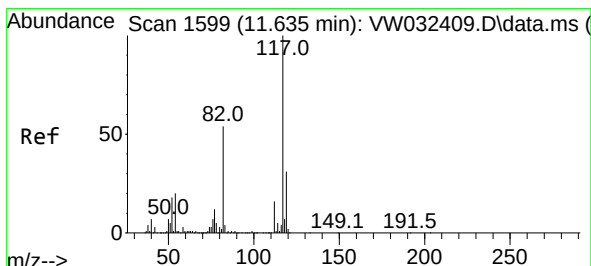
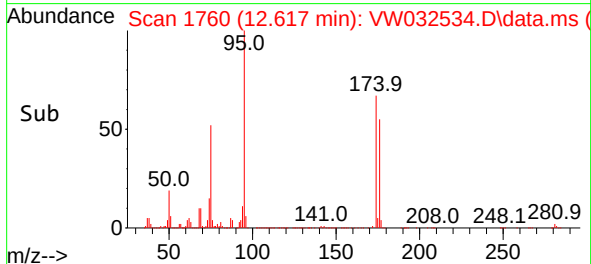
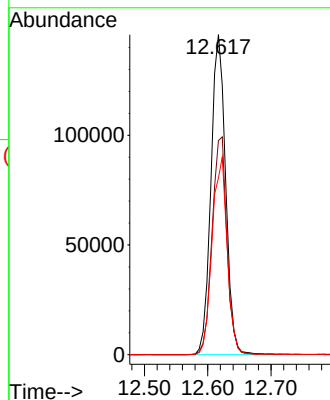
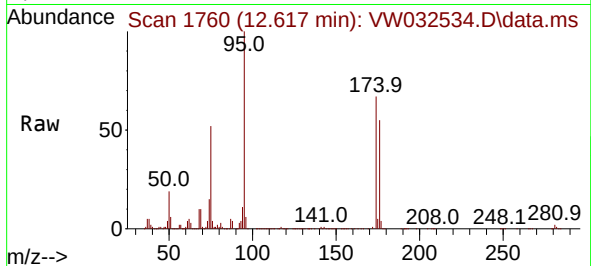




#62
4-Bromofluorobenzene
Concen: 51.396 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

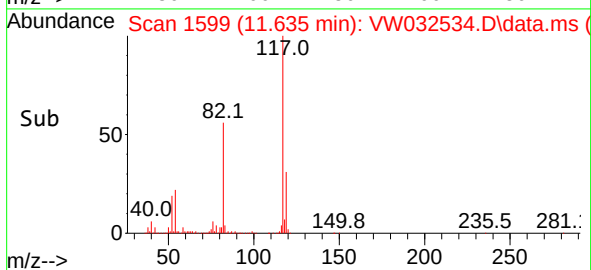
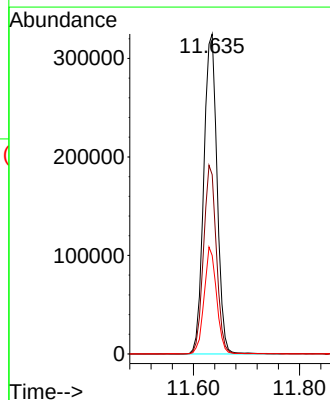
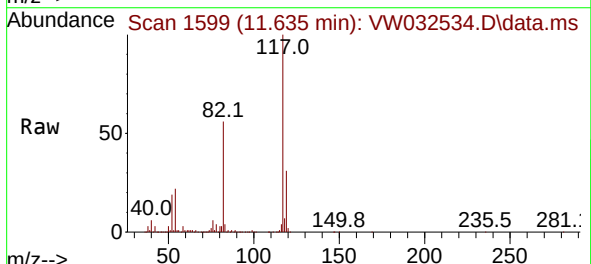
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MSVOA_W
ClientSampleId :
SB-1125-10B

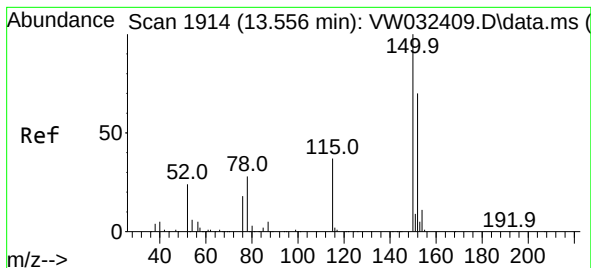
Tgt Ion: 95 Resp: 235894
Ion Ratio Lower Upper
95 100
174 69.1 0.0 135.4
176 63.2 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW032534.D
Acq: 25 Nov 2025 13:48

Tgt Ion: 117 Resp: 565806
Ion Ratio Lower Upper
117 100
82 56.0 43.0 64.4
119 30.7 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: VW032534.D

Acq: 25 Nov 2025 13:48

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-10B

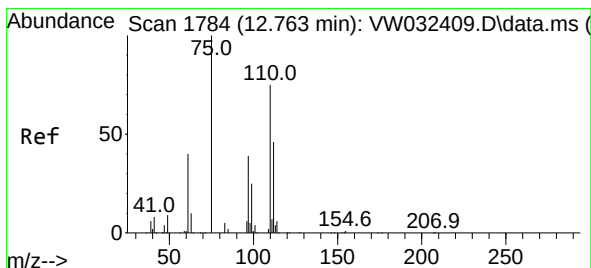
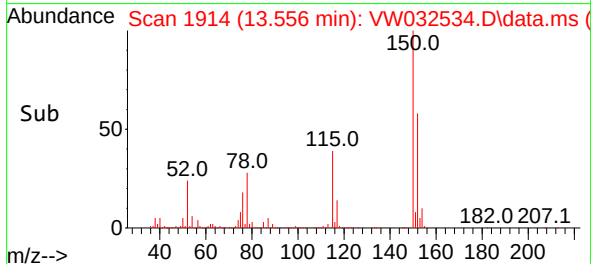
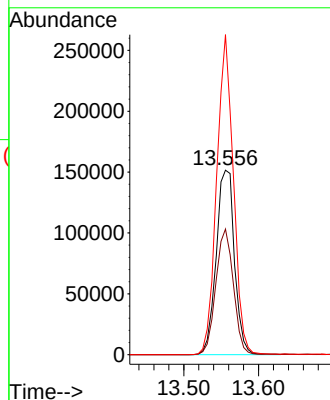
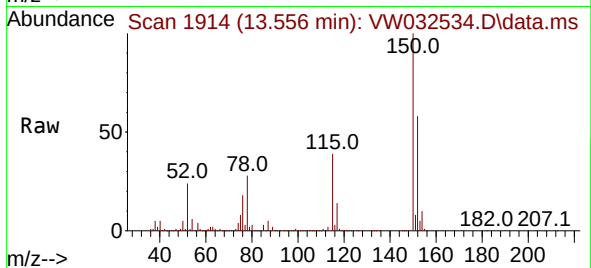
Tgt Ion:152 Resp: 258185

Ion Ratio Lower Upper

152 100

115 65.4 32.8 98.3

150 158.1 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 34.037 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032534.D

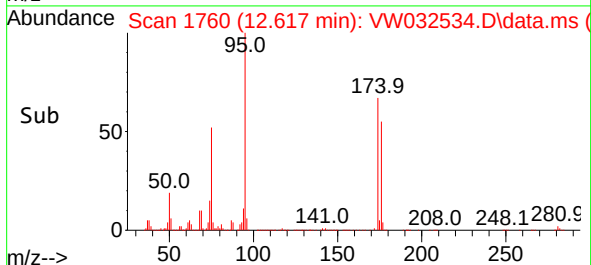
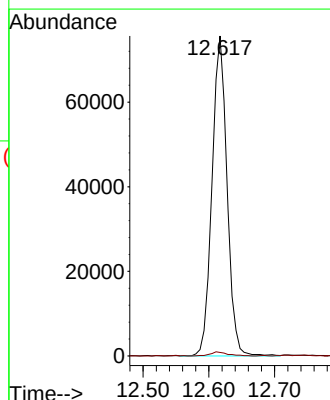
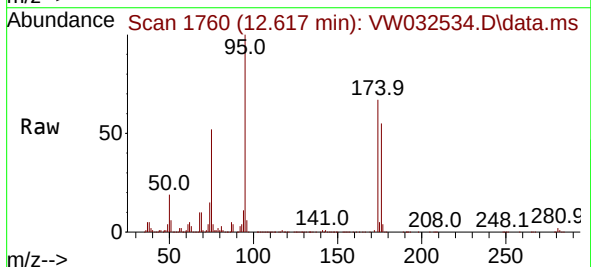
Acq: 25 Nov 2025 13:48

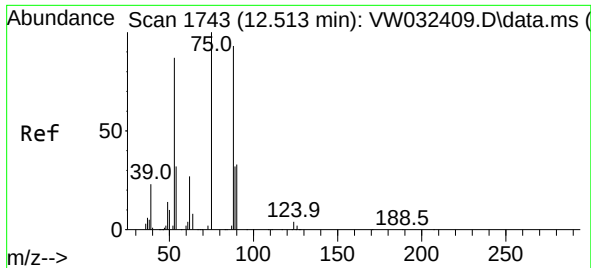
Tgt Ion: 75 Resp: 120496

Ion Ratio Lower Upper

75 100

77 1.5 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.960 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032534.D
 Acq: 25 Nov 2025 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-10B

Tgt Ion: 75 Resp: 120496
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 35.6 53.4#

