

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112525\
 Data File : VW032533.D
 Acq On : 25 Nov 2025 13:26
 Operator : SY/MD
 Sample : Q3719-01
 Misc : 5.47g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-10A

Quant Time: Nov 26 01:39:51 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	210353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	491657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	525721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234999	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	160089	59.031	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	118.060%
35) Dibromofluoromethane	7.892	113	152050	51.653	ug/l	-0.01
Spiked Amount	50.000	Range	70 - 134	Recovery	=	103.300%
50) Toluene-d8	10.325	98	522272	46.248	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.500%
62) 4-Bromofluorobenzene	12.617	95	229919	53.896	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	107.800%

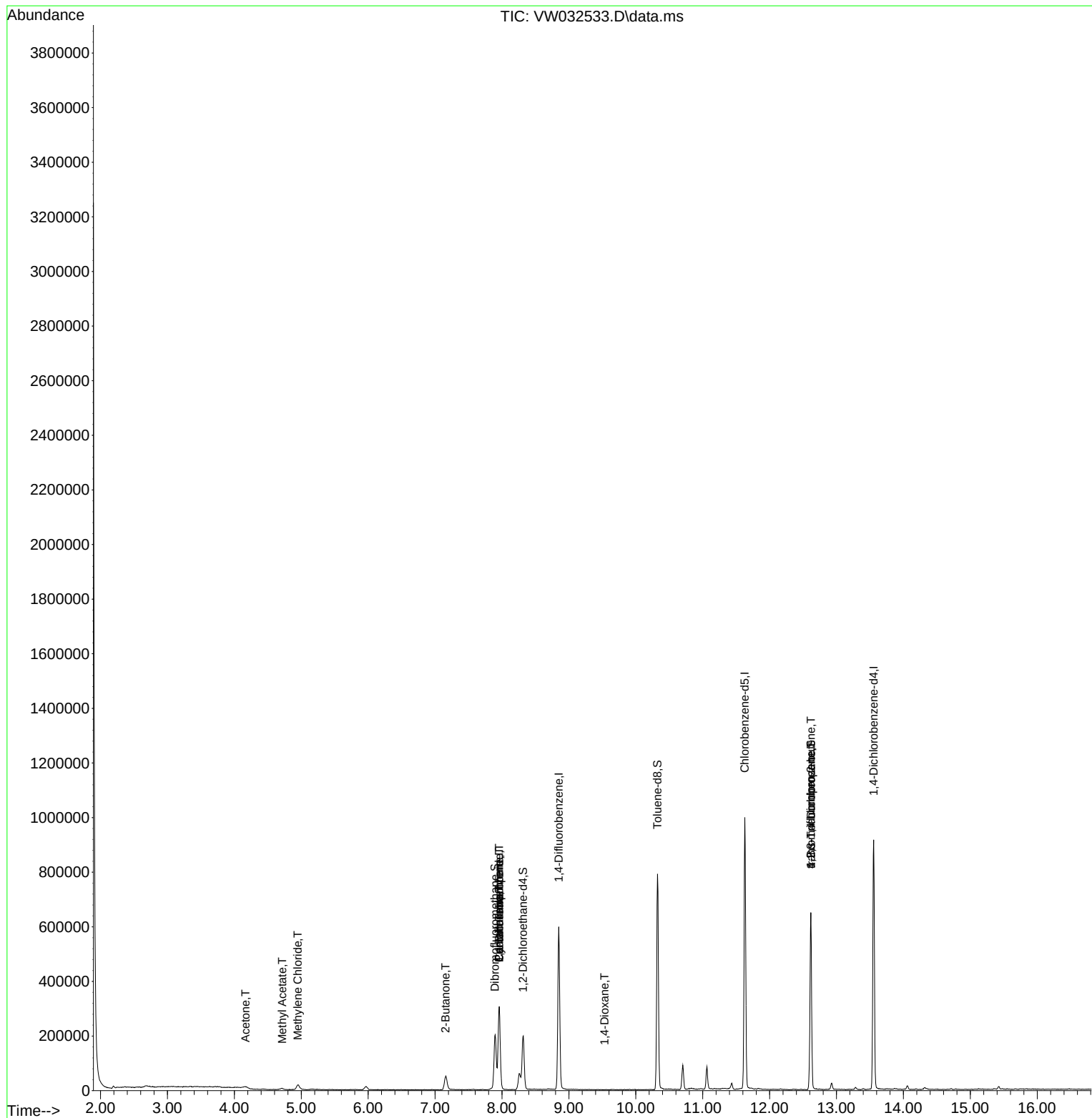
Target Compounds					Qvalue	
16) Acetone	4.167	43	5284	6.513	ug/l #	87
18) Methyl Acetate	4.716	43	11526	5.737	ug/l	98
20) Methylene Chloride	4.947	84	14652	5.050	ug/l	92
25) 2-Butanone	7.154	43	3762	3.147	ug/l #	78
31) Cyclohexane	7.959	56	5668	1.263	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	19701	4.542	ug/l #	51
38) Carbon Tetrachloride	7.959	117	23071	5.987	ug/l #	16
49) 1,4-Dioxane	9.532	88	115	4.039	ug/l #	10
76) 1,2,3-Trichloropropane	12.617	75	113485	35.220	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	113485	80.668	ug/l #	11

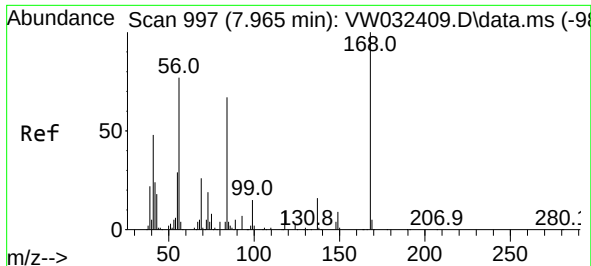
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

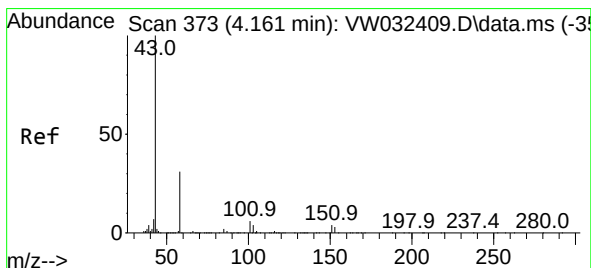
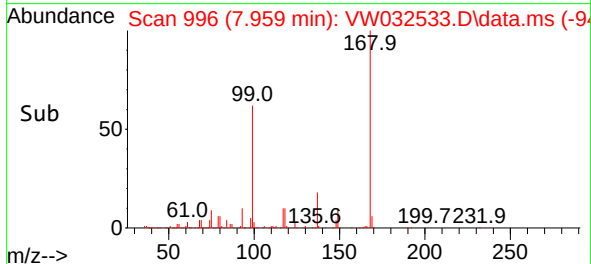
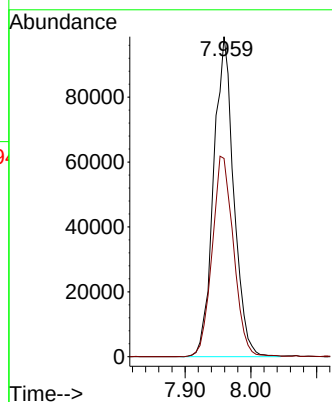
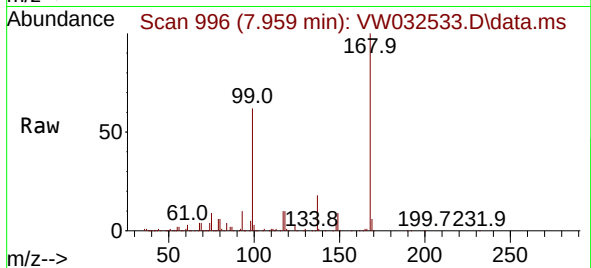




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

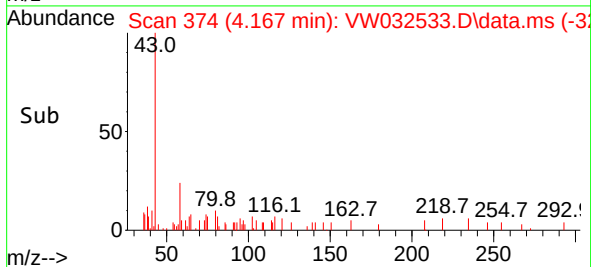
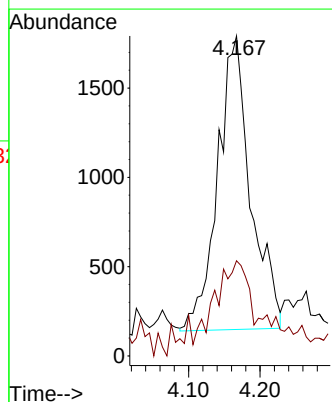
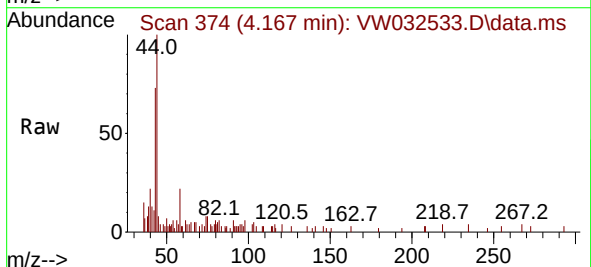
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10A

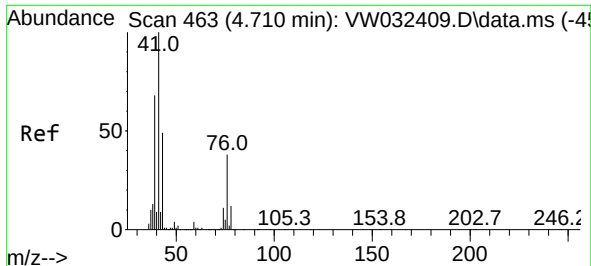
Tgt Ion:168 Resp: 210353
Ion Ratio Lower Upper
168 100
99 61.9 45.4 68.2



#16
Acetone
Concen: 6.513 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

Tgt Ion: 43 Resp: 5284
Ion Ratio Lower Upper
43 100
58 23.6 24.8 37.2#

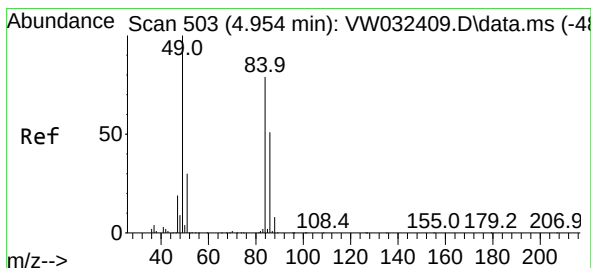
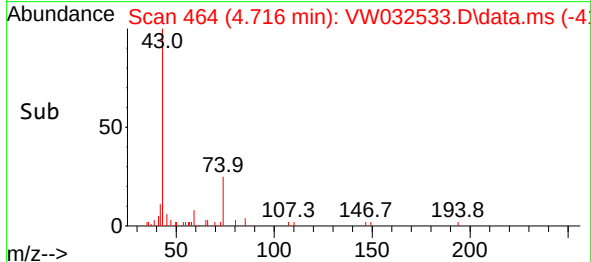
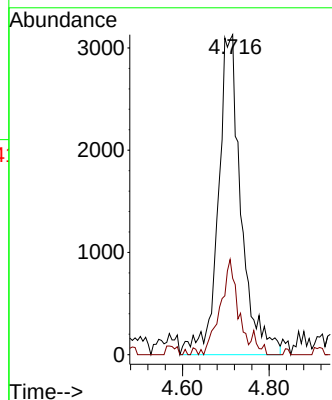
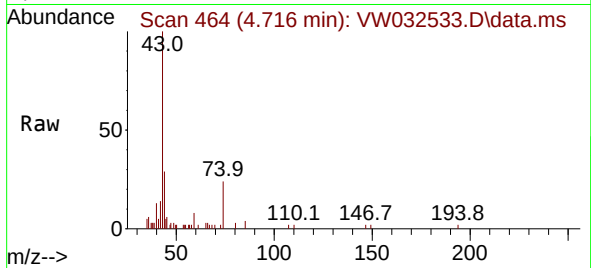




#18
Methyl Acetate
Concen: 5.737 ug/l
RT: 4.716 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

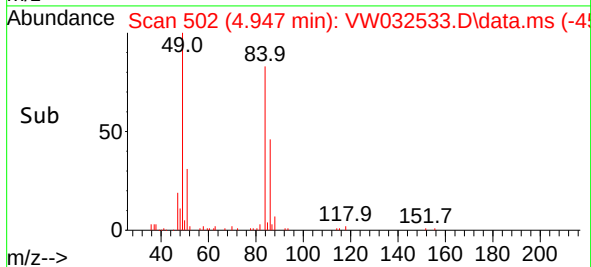
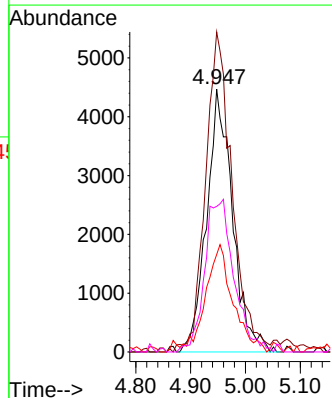
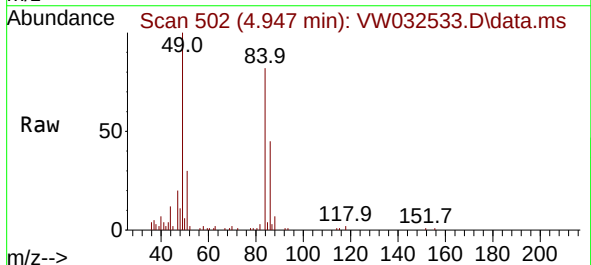
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10A

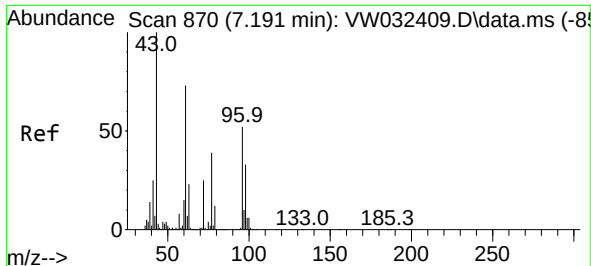
Tgt Ion: 43 Resp: 11526
Ion Ratio Lower Upper
43 100
74 22.6 18.9 28.3



#20
Methylene Chloride
Concen: 5.050 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

Tgt Ion: 84 Resp: 14652
Ion Ratio Lower Upper
84 100
49 118.9 101.5 152.3
51 35.7 30.6 46.0
86 54.0 51.9 77.9

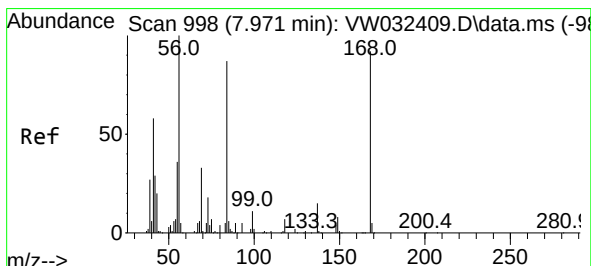
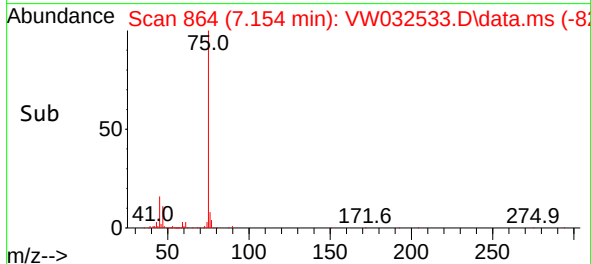
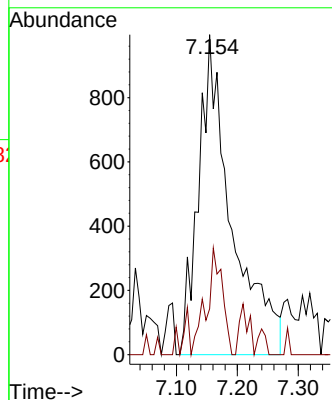
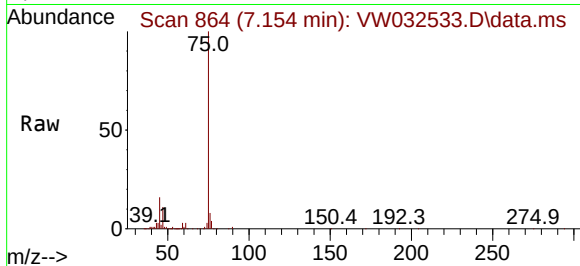




#25
2-Butanone
Concen: 3.147 ug/l
RT: 7.154 min Scan# 80
Delta R.T. -0.037 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

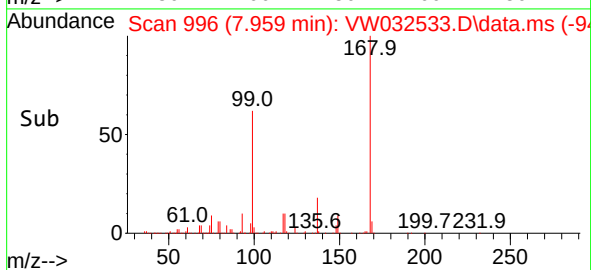
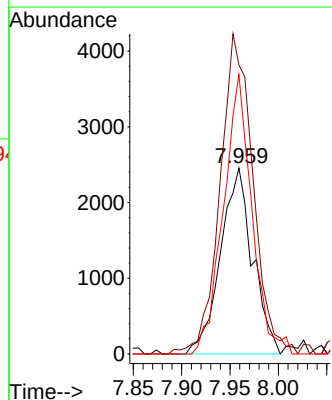
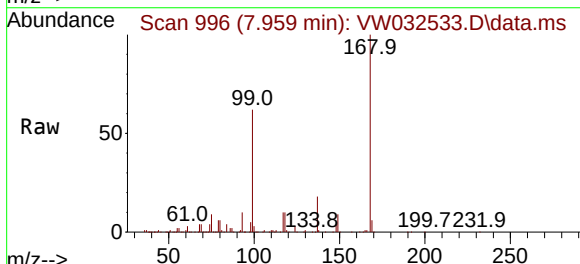
Instrument :
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ClientSampleId :
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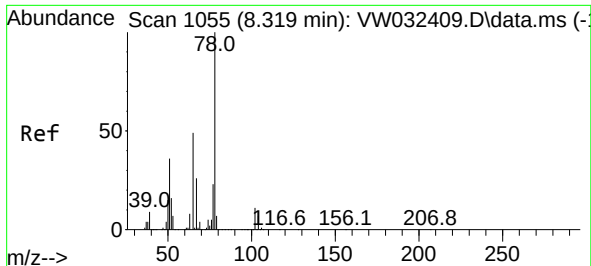
Tgt Ion: 43 Resp: 3762
Ion Ratio Lower Upper
43 100
72 35.9 20.0 30.0#



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

Tgt Ion: 56 Resp: 5668
Ion Ratio Lower Upper
56 100
69 153.4 26.5 39.7#
84 150.3 69.6 104.4#

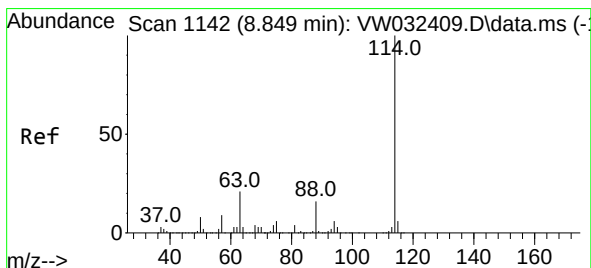
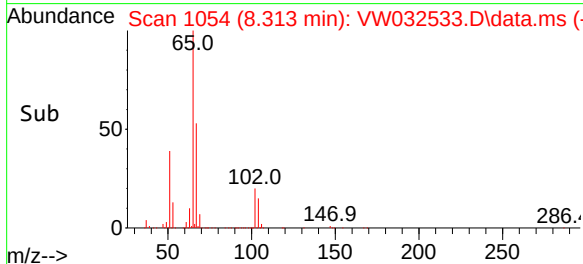
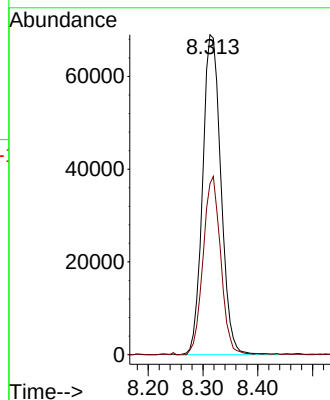
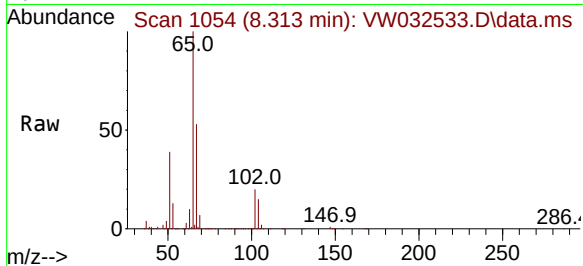




#33
 1,2-Dichloroethane-d4
 Concen: 59.031 ug/l
 RT: 8.313 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VW032533.D
 Acq: 25 Nov 2025 13:26

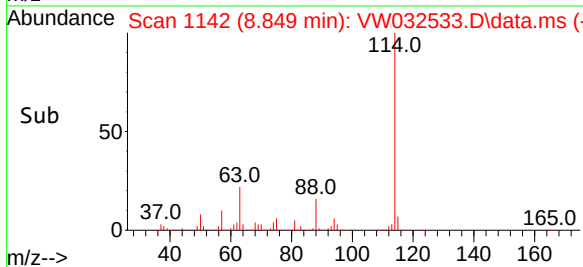
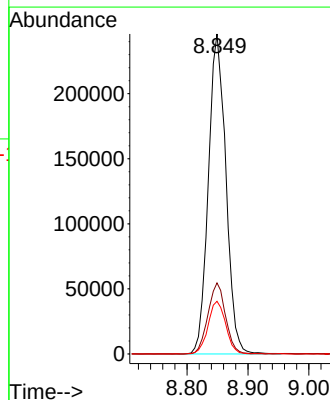
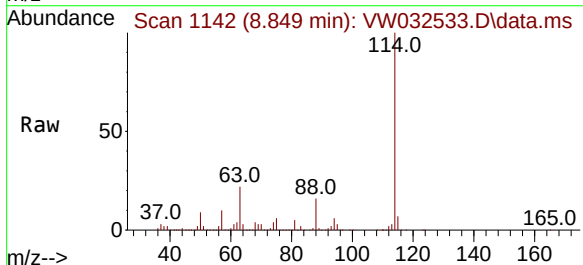
Instrument :
 MSVOA_W
 ClientSampleId :
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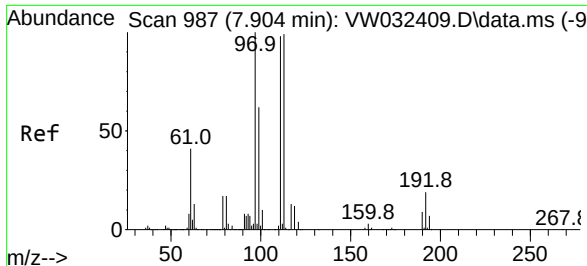
Tgt Ion: 65 Resp: 160089
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032533.D
 Acq: 25 Nov 2025 13:26

Tgt Ion: 114 Resp: 491657
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.8
 88 16.5 0.0 32.6

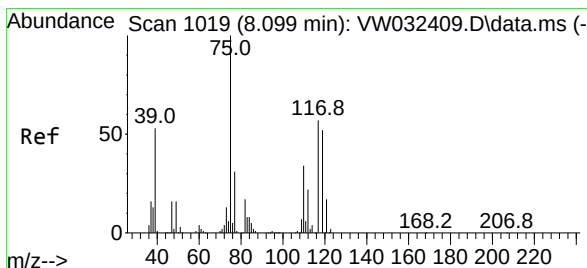
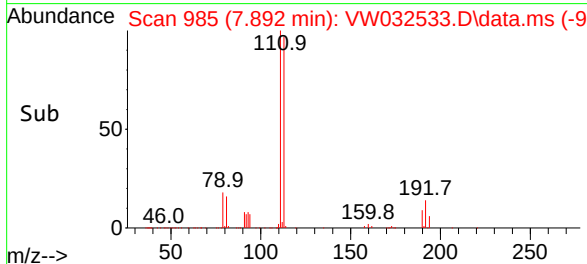
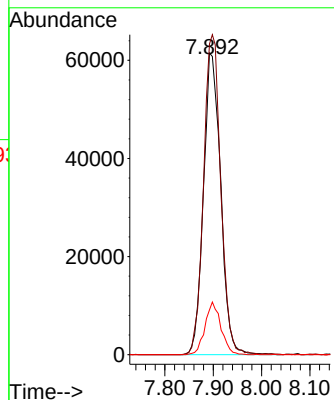
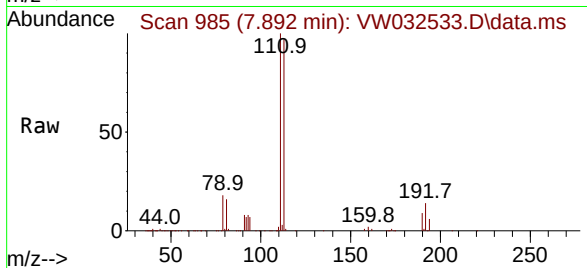




#35
Dibromofluoromethane
Concen: 51.653 ug/l
RT: 7.892 min Scan# 911
Delta R.T. -0.012 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

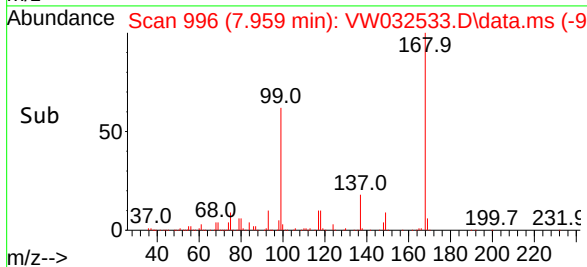
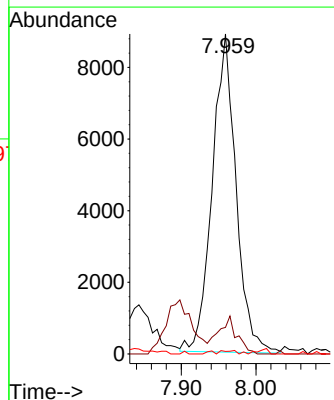
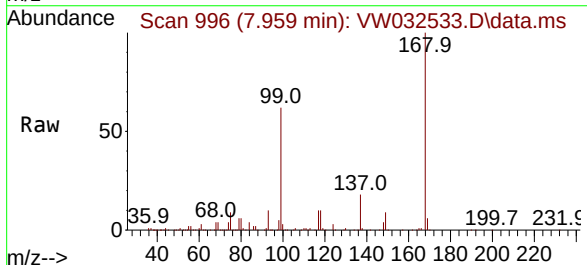
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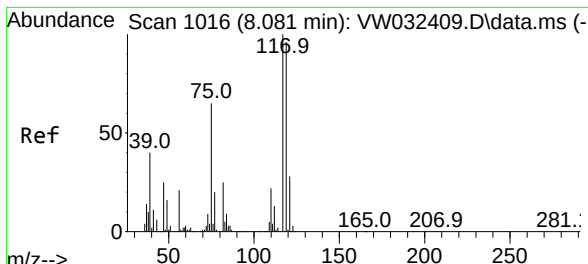
Tgt Ion:113 Resp: 152050
Ion Ratio Lower Upper
113 100
111 105.9 83.1 124.7
192 16.1 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.542 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

Tgt Ion: 75 Resp: 19701
Ion Ratio Lower Upper
75 100
110 9.3 17.2 51.5#
77 0.7 24.5 36.7#

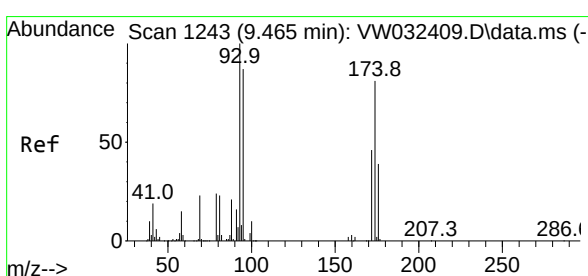
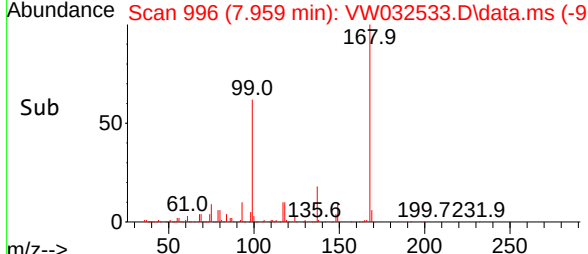
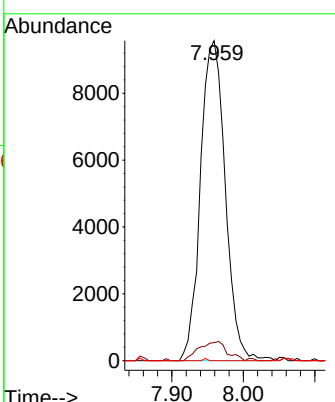
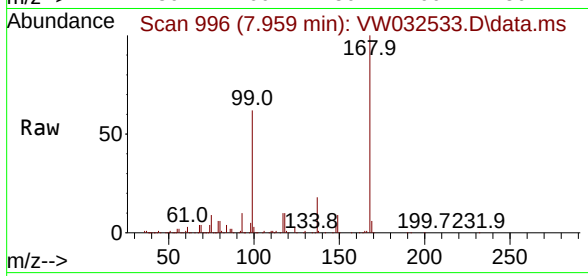




#38
 Carbon Tetrachloride
 Concen: 5.987 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032533.D
 Acq: 25 Nov 2025 13:26

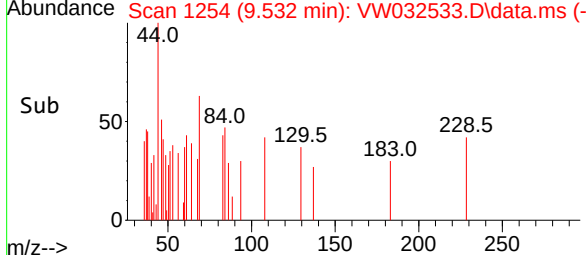
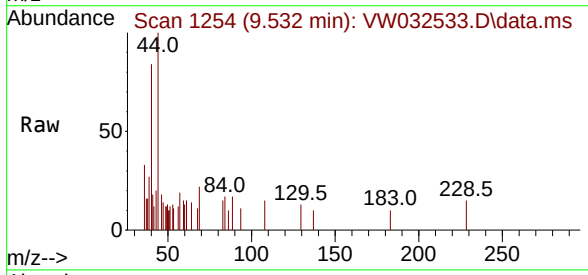
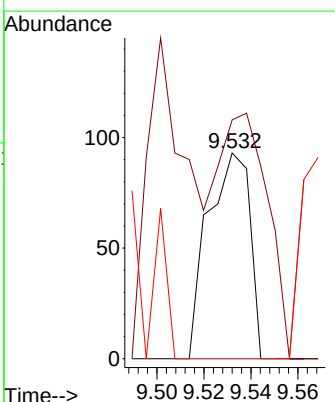
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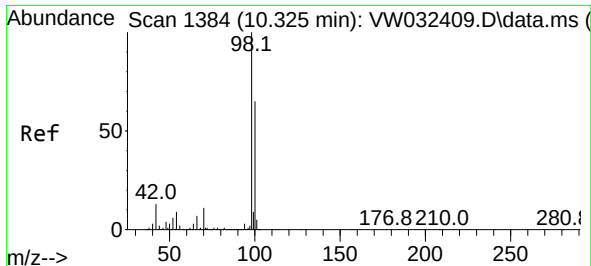
Tgt Ion:	117	Resp:	23071
Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.0	115.4#
121	0.0	22.0	33.0#



#49
 1,4-Dioxane
 Concen: 4.039 ug/l
 RT: 9.532 min Scan# 1254
 Delta R.T. 0.067 min
 Lab File: VW032533.D
 Acq: 25 Nov 2025 13:26

Tgt Ion:	88	Resp:	115
Ion	Ratio	Lower	Upper
88	100		
43	143.5	0.0	0.0#
58	0.0	63.0	94.4#

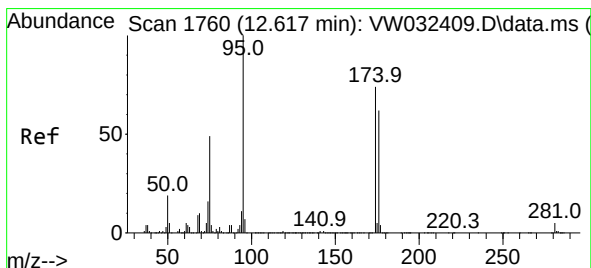
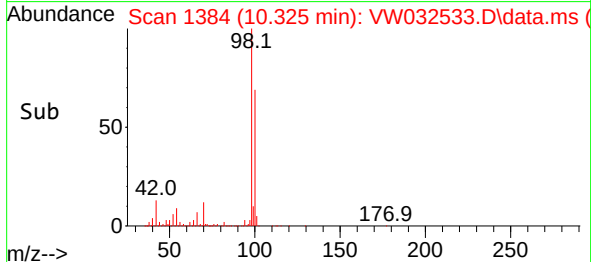
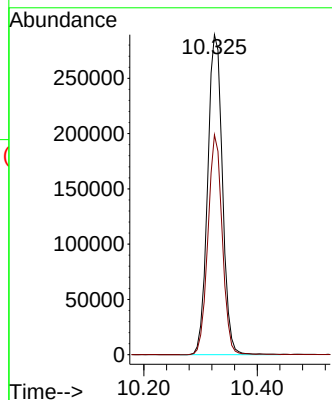
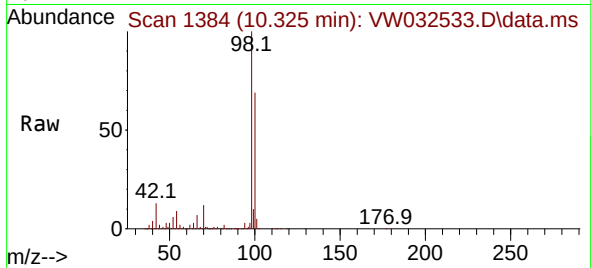




#50
Toluene-d8
Concen: 46.248 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

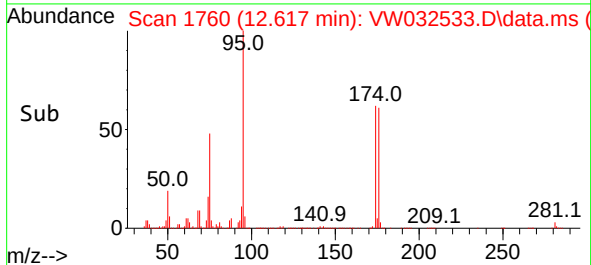
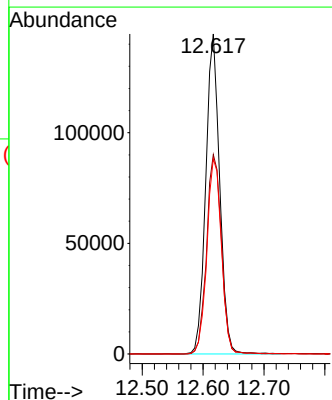
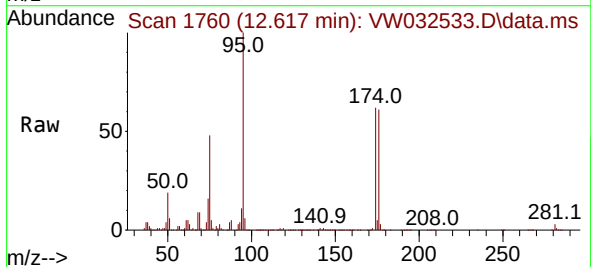
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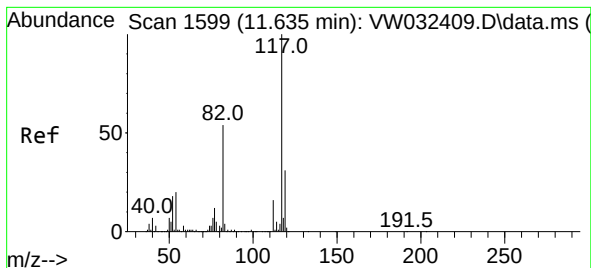
Tgt Ion: 98 Resp: 522272
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.896 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

Tgt Ion: 95 Resp: 229919
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.4
176 63.3 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032533.D

Acq: 25 Nov 2025 13:26

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-10A

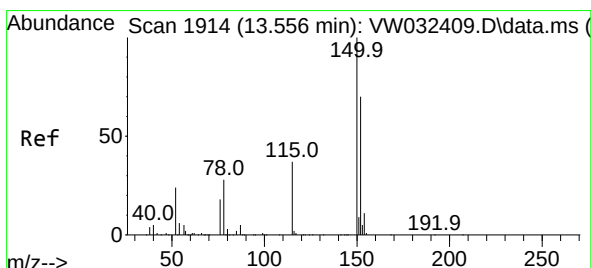
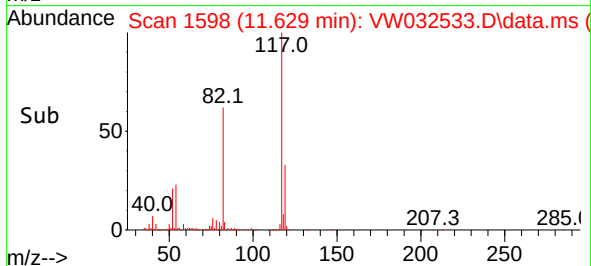
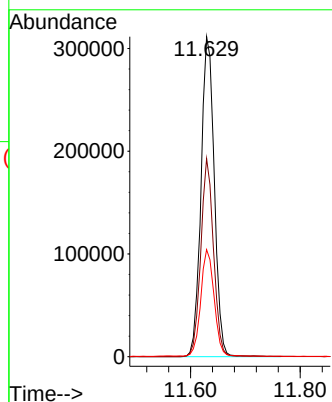
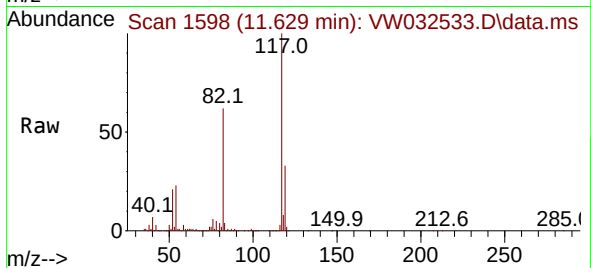
Tgt Ion:117 Resp: 525721

Ion Ratio Lower Upper

117 100

82 61.9 43.0 64.4

119 33.2 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: VW032533.D

Acq: 25 Nov 2025 13:26

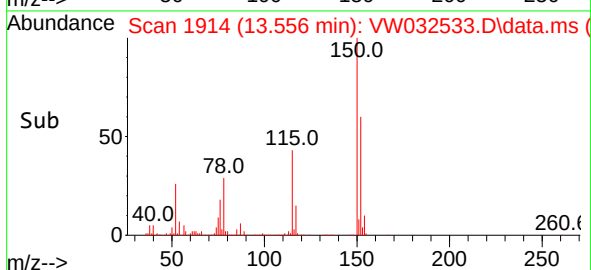
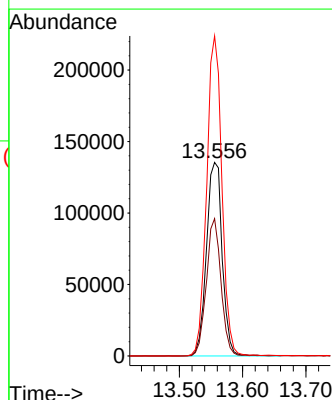
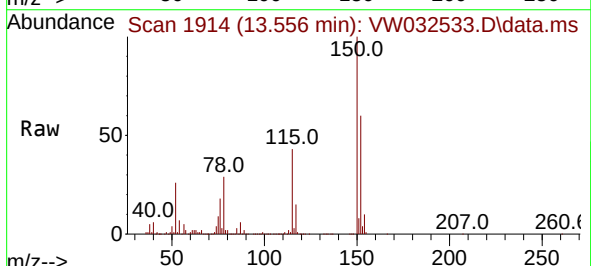
Tgt Ion:152 Resp: 234999

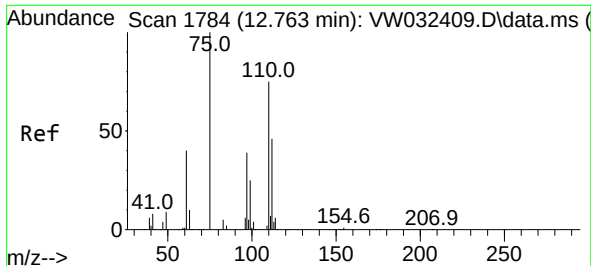
Ion Ratio Lower Upper

152 100

115 66.1 32.8 98.3

150 159.3 0.0 356.6

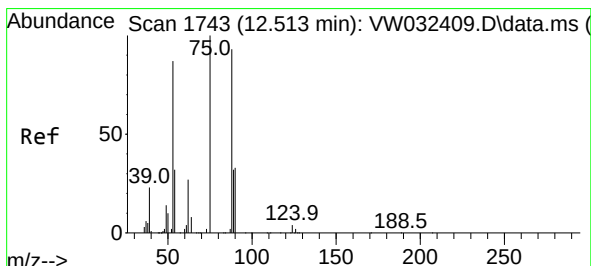
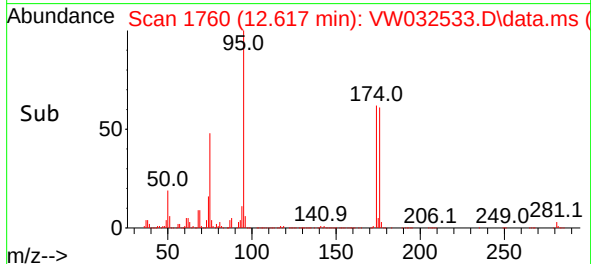
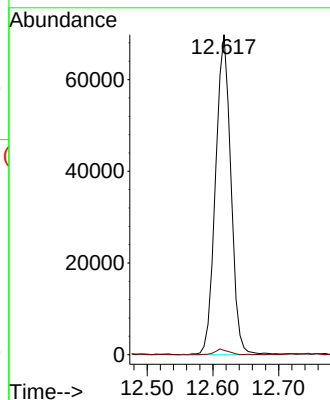
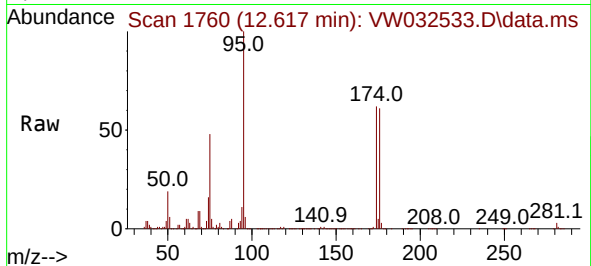




#76
1,2,3-Trichloropropane
Concen: 35.220 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-10A

Tgt Ion: 75 Resp: 113485
Ion Ratio Lower Upper
75 100
77 1.6 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.668 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032533.D
Acq: 25 Nov 2025 13:26

Tgt Ion: 75 Resp: 113485
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 35.6 53.4#

