

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032487.D
 Acq On : 18 Nov 2025 17:20
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 19 00:30:31 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

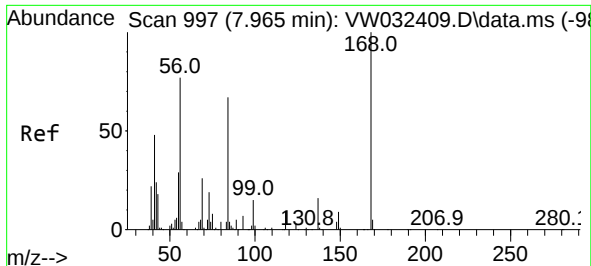
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	219013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	542042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	569874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	275478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160022	56.673	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 113.340%		
35) Dibromofluoromethane	7.898	113	154932	47.740	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 95.480%		
50) Toluene-d8	10.325	98	523772	42.069	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 84.140%		
62) 4-Bromofluorobenzene	12.617	95	245976	52.300	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 104.600%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	686	2.810	ug/l #	72
16) Acetone	4.167	43	2753	3.259	ug/l #	38
18) Methyl Acetate	4.716	43	10930	5.225	ug/l	97
20) Methylene Chloride	4.948	84	20144	6.668	ug/l	86
25) 2-Butanone	7.161	43	2635	2.117	ug/l	90
31) Cyclohexane	7.953	56	5913	1.266	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	20603	4.309	ug/l #	51
38) Carbon Tetrachloride	7.959	117	24931	5.868	ug/l #	16
49) 1,4-Dioxane	9.429	88	47	1.497	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	120670	31.947	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	120670	73.171	ug/l #	11

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

Quant Time: Nov 19 00:30:31 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

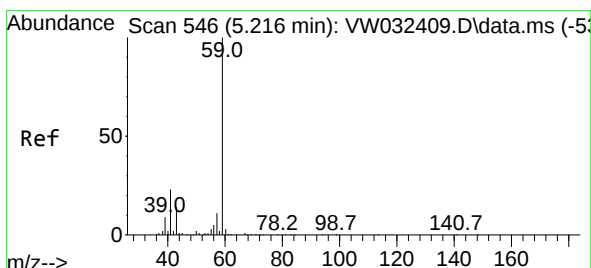
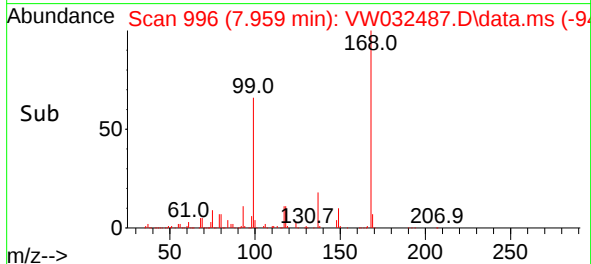
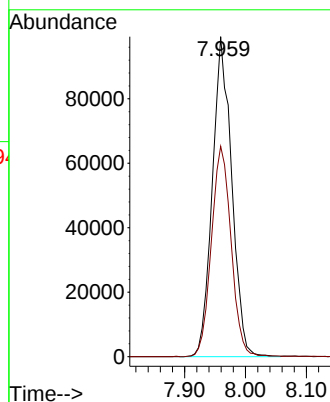
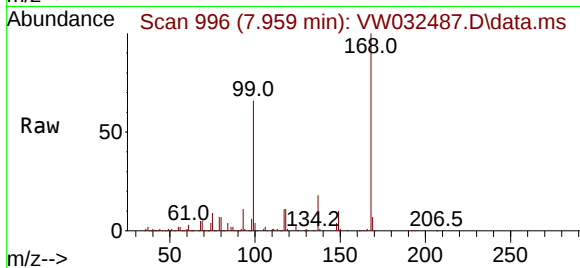




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

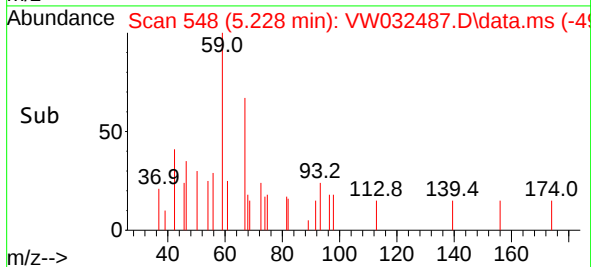
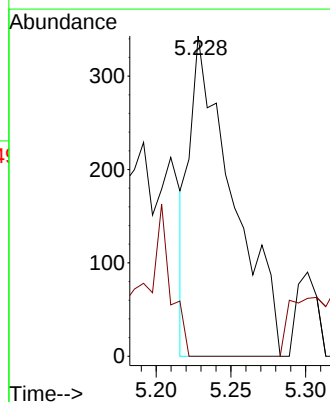
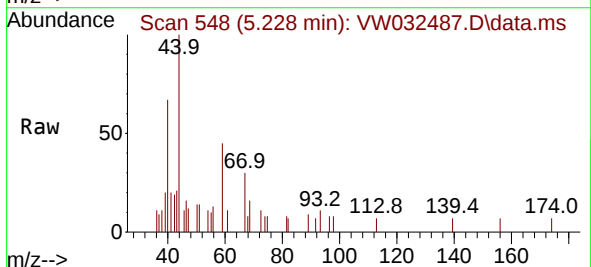
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

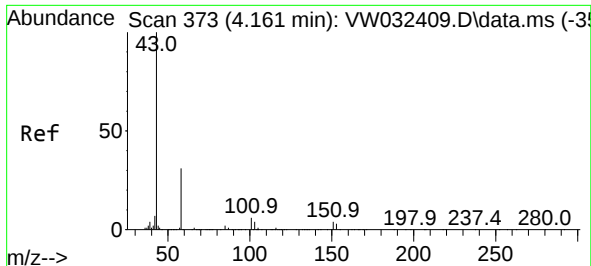
Tgt Ion:168 Resp: 219013
Ion Ratio Lower Upper
168 100
99 65.7 45.4 68.2



#11
Tert butyl alcohol
Concen: 2.810 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.012 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

Tgt Ion: 59 Resp: 686
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

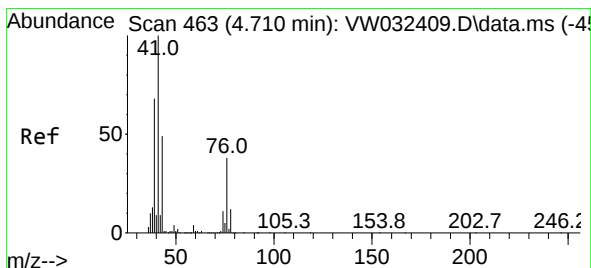
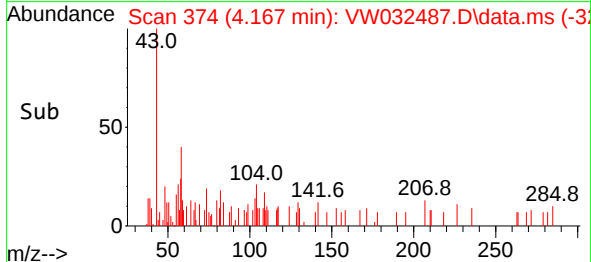
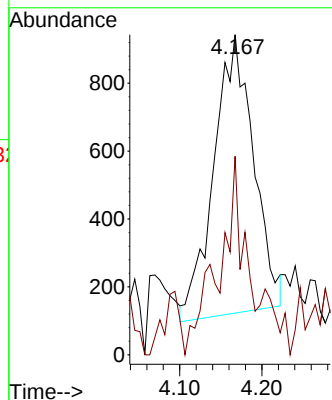
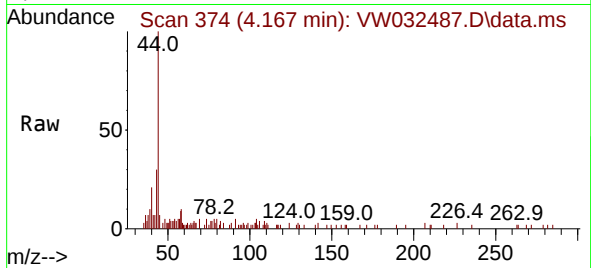




#16
Acetone
Concen: 3.259 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

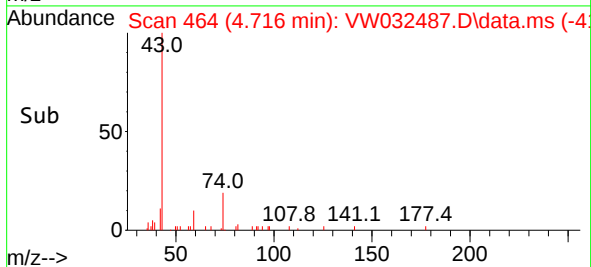
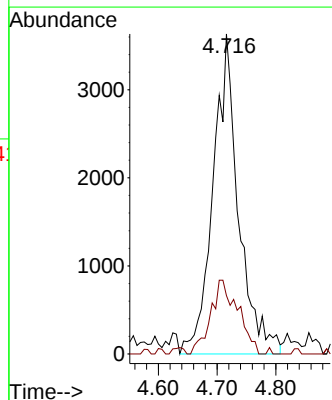
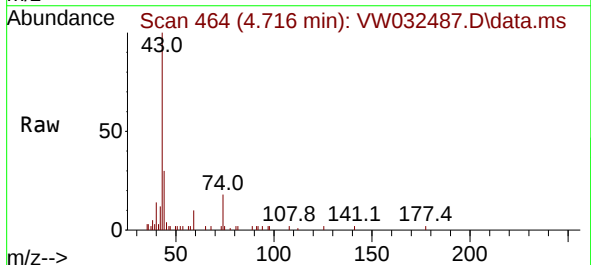
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

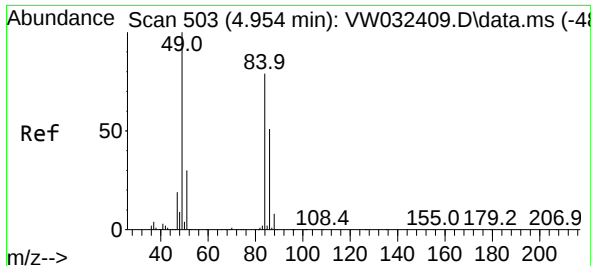
Tgt Ion: 43 Resp: 2753
Ion Ratio Lower Upper
43 100
58 65.1 24.8 37.2#



#18
Methyl Acetate
Concen: 5.225 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

Tgt Ion: 43 Resp: 10930
Ion Ratio Lower Upper
43 100
74 24.8 18.9 28.3

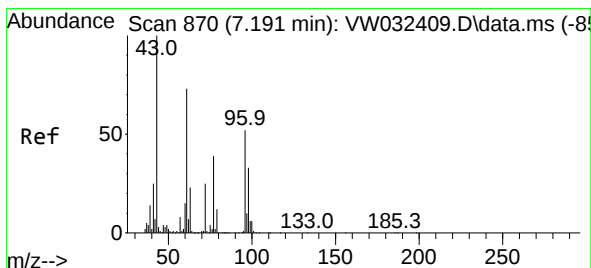
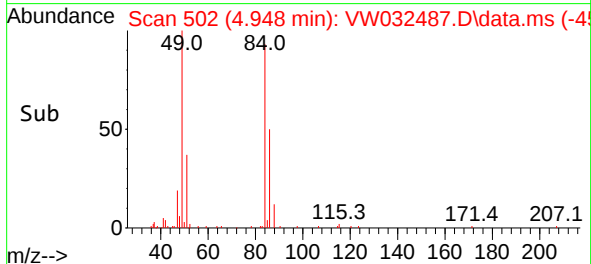
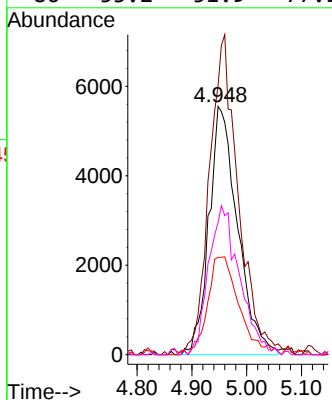
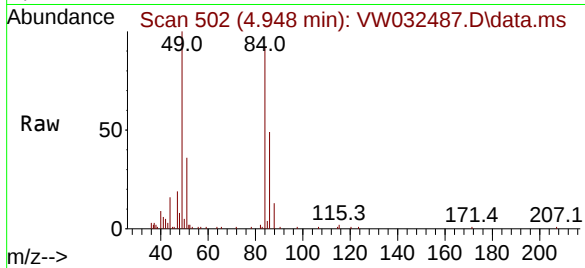




#20
Methylene Chloride
Concen: 6.668 ug/l
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

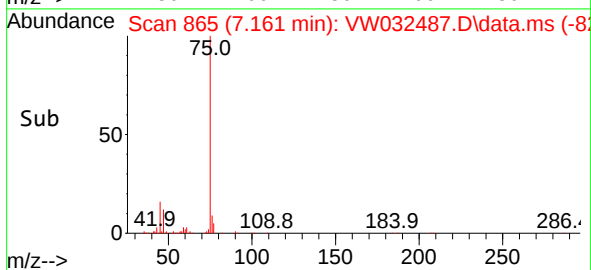
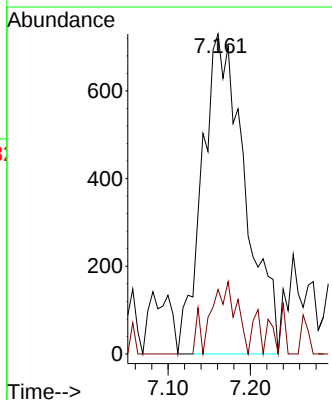
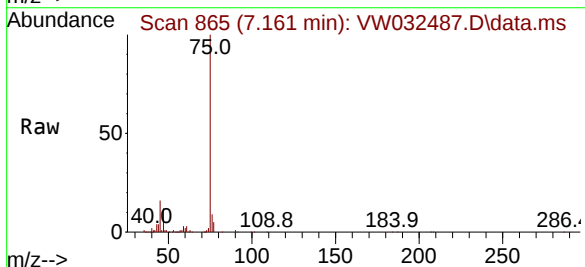
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

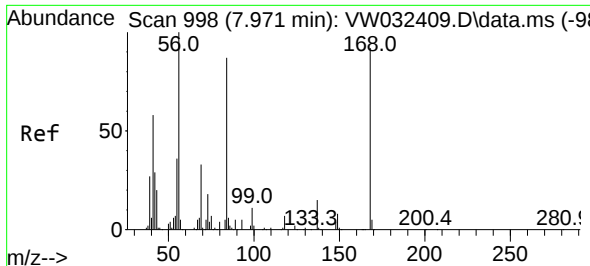
Tgt Ion:	84	Resp:	20144
Ion	Ratio	Lower	Upper
84	100		
49	107.4	101.5	152.3
51	39.2	30.6	46.0
86	53.2	51.9	77.9



#25
2-Butanone
Concen: 2.117 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.030 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

Tgt Ion:	43	Resp:	2635
Ion	Ratio	Lower	Upper
43	100		
72	20.1	20.0	30.0

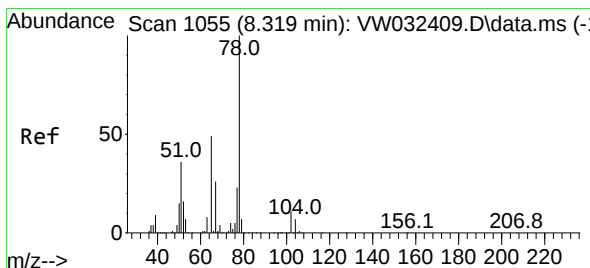
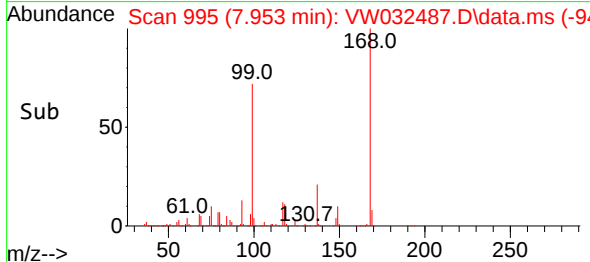
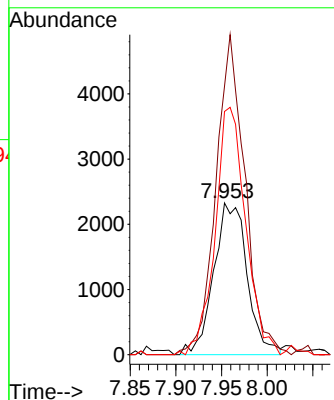
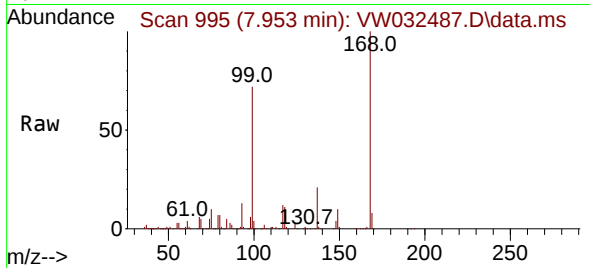




#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

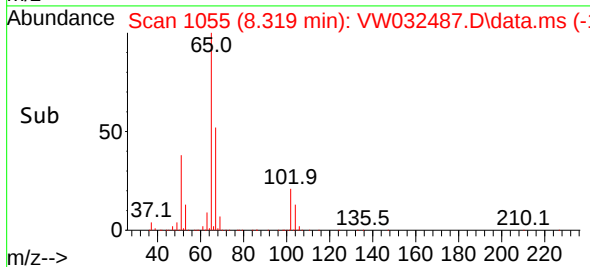
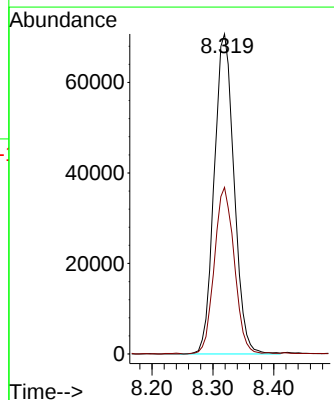
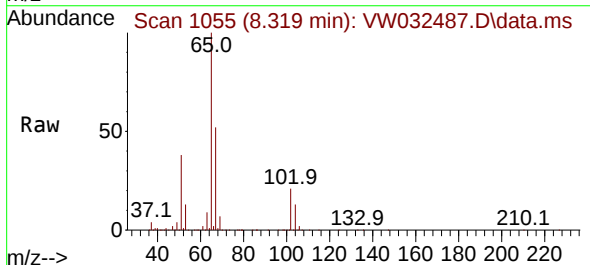
Instrument :
MSVOA_W
ClientSampleId :
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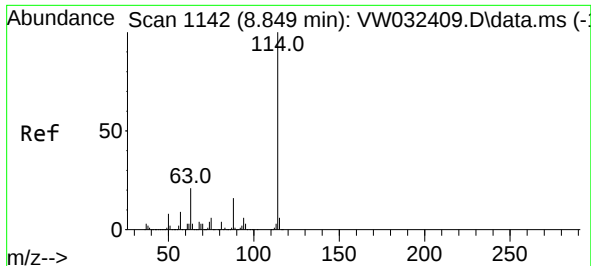
Tgt Ion: 56 Resp: 5913
Ion Ratio Lower Upper
56 100
69 173.4 26.5 39.7#
84 160.4 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 56.673 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

Tgt Ion: 65 Resp: 160022
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8

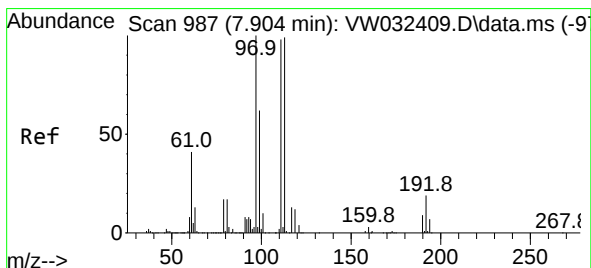
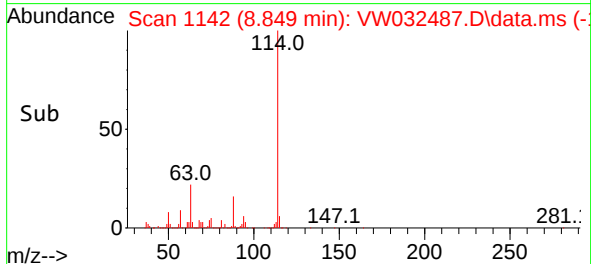
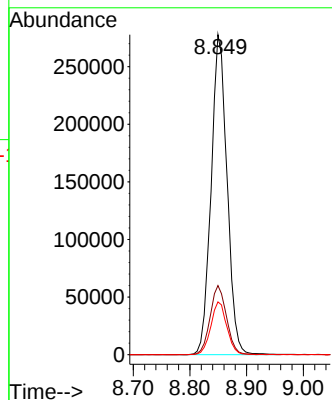
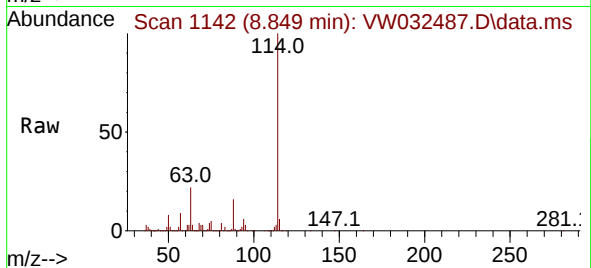




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

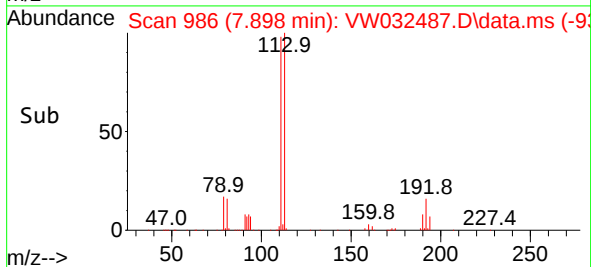
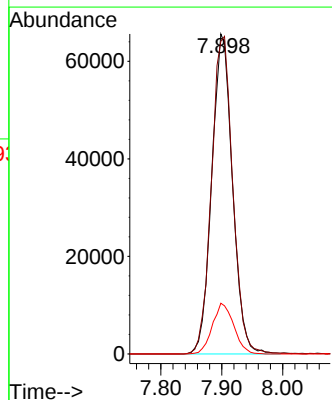
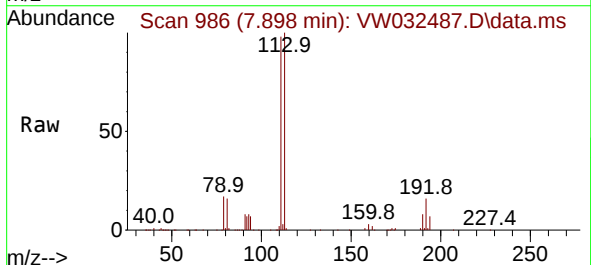
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

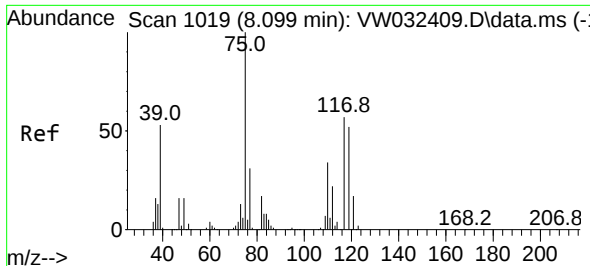
Tgt Ion:114 Resp: 542042
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.8
88 16.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.740 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

Tgt Ion:113 Resp: 154932
Ion Ratio Lower Upper
113 100
111 102.1 83.1 124.7
192 16.3 13.4 20.2

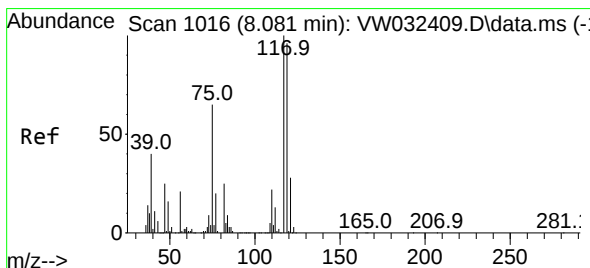
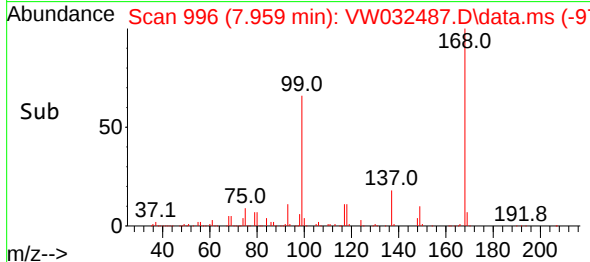
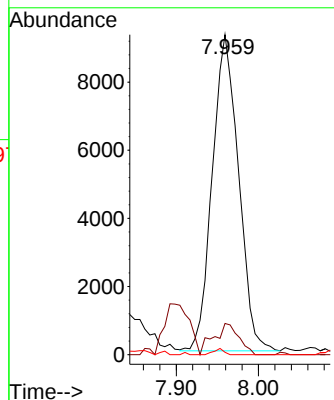
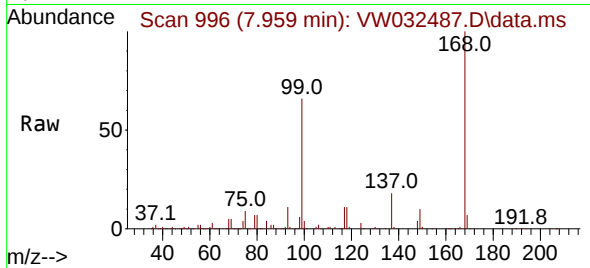




#36
 1,1-Dichloropropene
 Concen: 4.309 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032487.D
 Acq: 18 Nov 2025 17:20

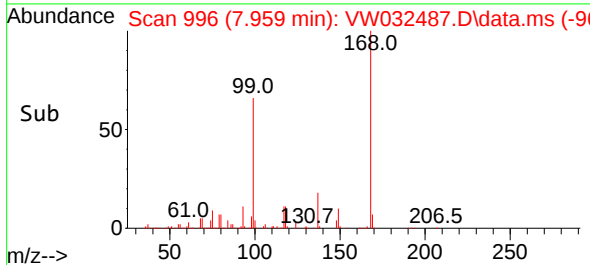
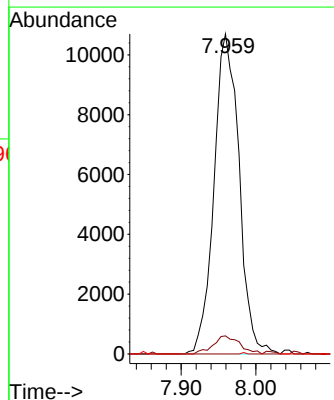
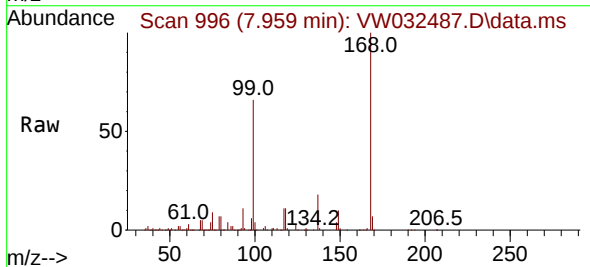
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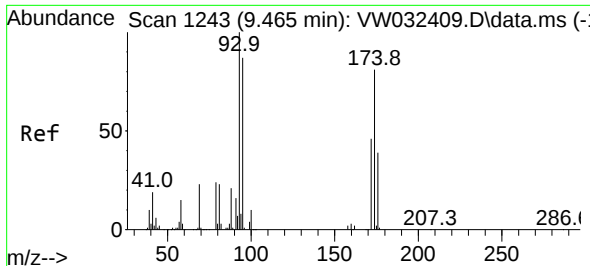
Tgt Ion: 75 Resp: 20603
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.2 51.5#
 77 0.7 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.868 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032487.D
 Acq: 18 Nov 2025 17:20

Tgt Ion: 117 Resp: 24931
 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: 1.497 ug/l

RT: 9.429 min Scan# 1237

Delta R.T. -0.036 min

Lab File: VW032487.D

Acq: 18 Nov 2025 17:20

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

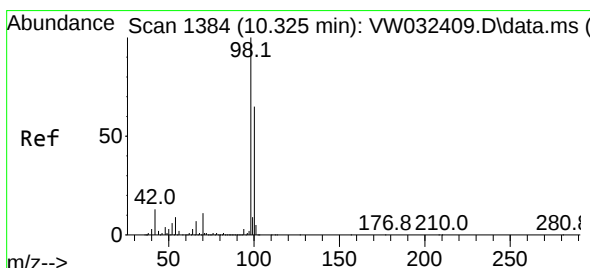
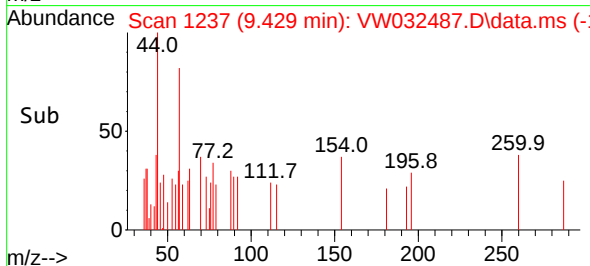
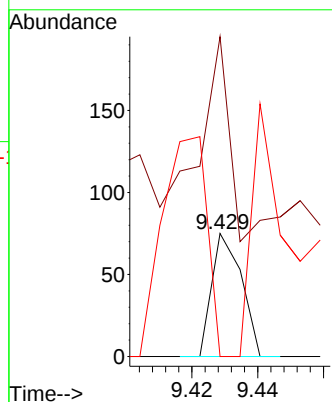
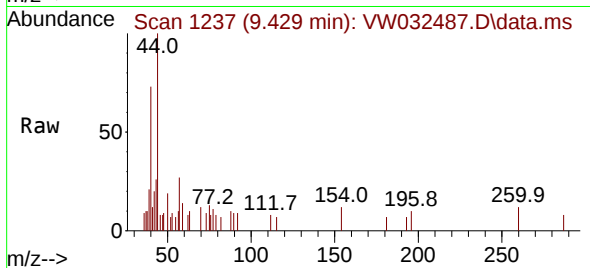
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

43 155.3 0.0 0.0#

58 268.1 63.0 94.4#



#50

Toluene-d8

Concen: 42.069 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032487.D

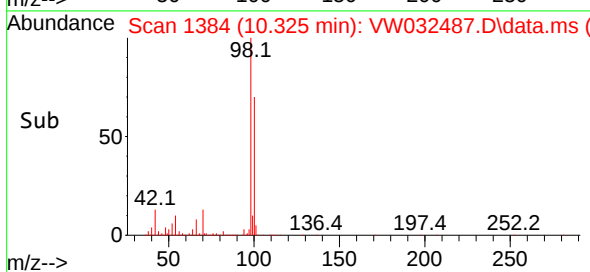
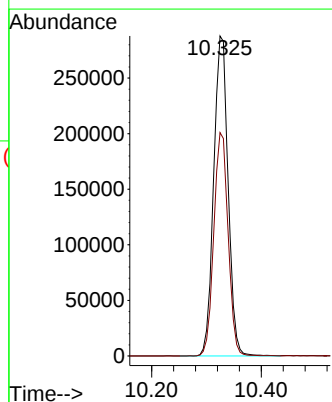
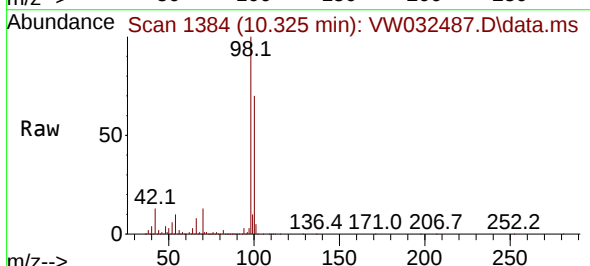
Acq: 18 Nov 2025 17:20

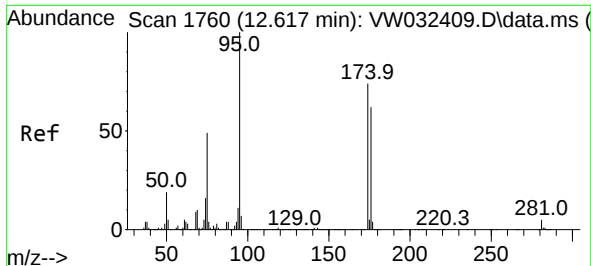
Tgt Ion: 98 Resp: 523772

Ion Ratio Lower Upper

98 100

100 69.3 53.3 79.9

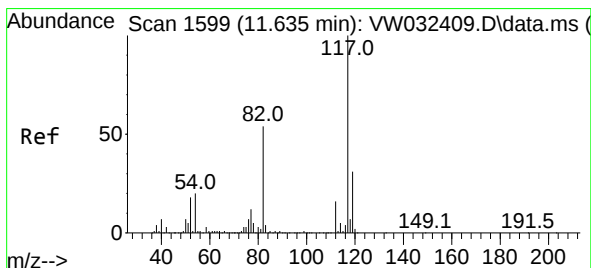
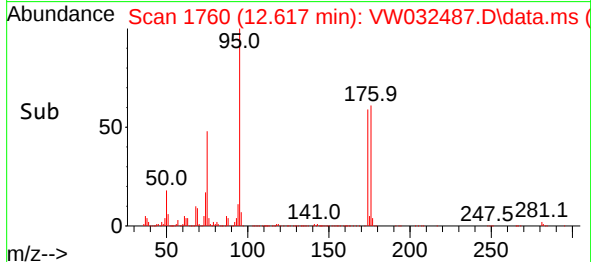
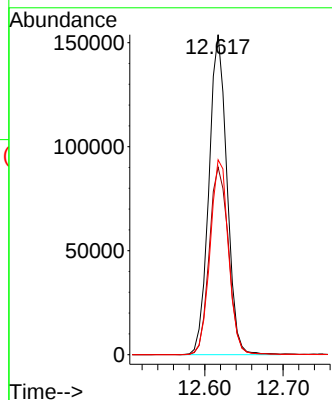
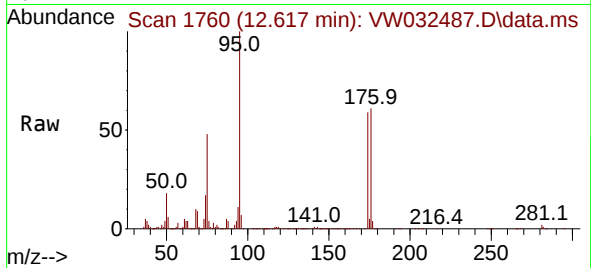




#62
4-Bromofluorobenzene
Concen: 52.300 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

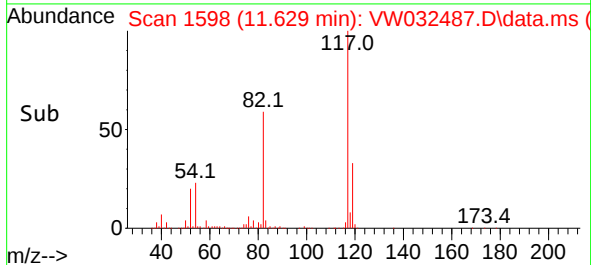
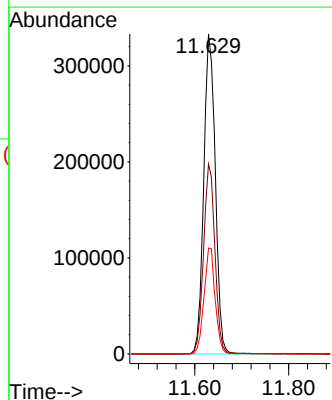
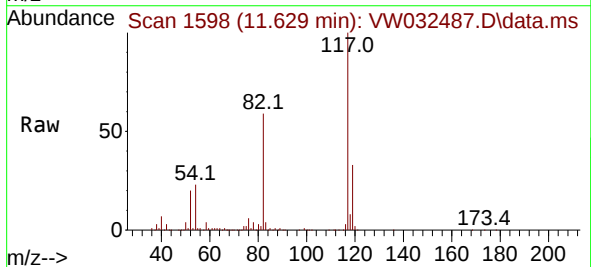
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

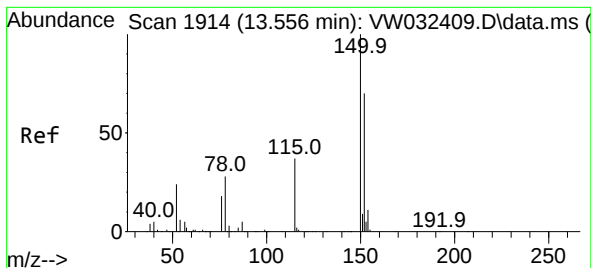
Tgt Ion: 95 Resp: 245976
Ion Ratio Lower Upper
95 100
174 62.5 0.0 135.4
176 62.1 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032487.D
Acq: 18 Nov 2025 17:20

Tgt Ion: 117 Resp: 569874
Ion Ratio Lower Upper
117 100
82 59.3 43.0 64.4
119 33.1 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: VW032487.D

Acq: 18 Nov 2025 17:20

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

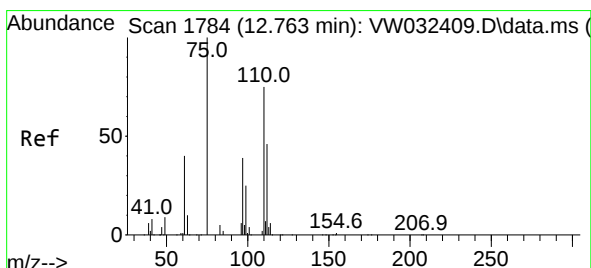
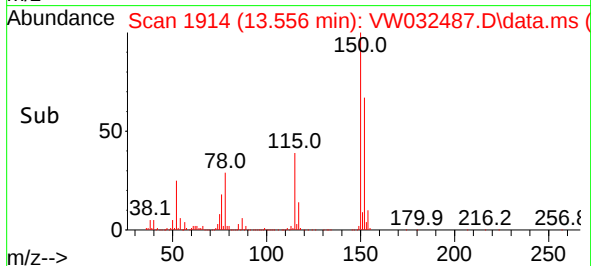
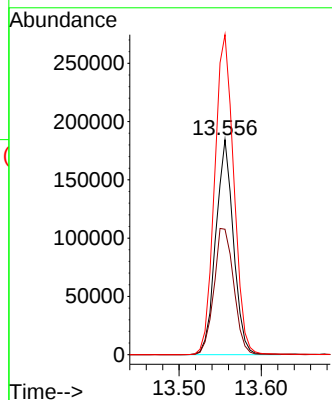
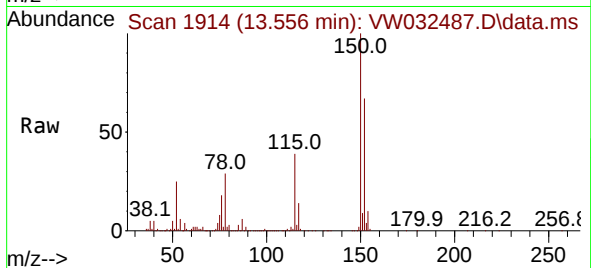
Tgt Ion:152 Resp: 275478

Ion Ratio Lower Upper

152 100

115 65.7 32.8 98.3

150 161.9 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 31.947 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032487.D

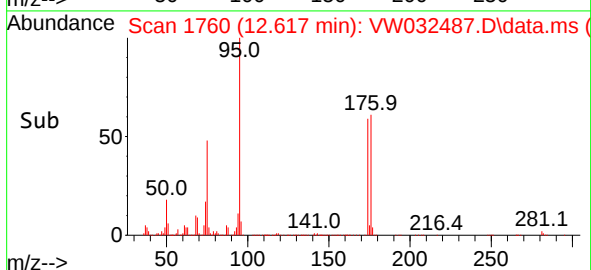
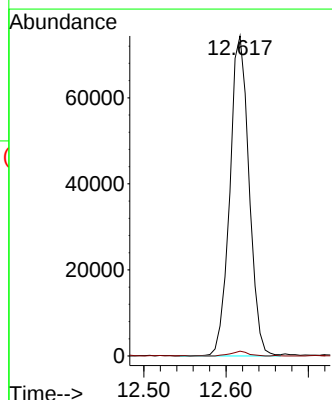
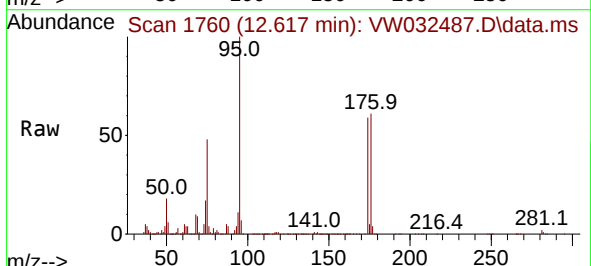
Acq: 18 Nov 2025 17:20

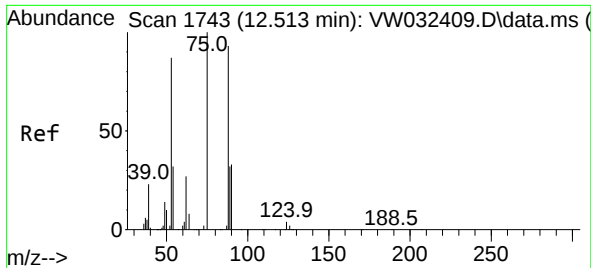
Tgt Ion: 75 Resp: 120670

Ion Ratio Lower Upper

75 100

77 1.3 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.171 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032487.D
 Acq: 18 Nov 2025 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 120670
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 35.6 53.4#

