

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032558.D
 Acq On : 26 Nov 2025 20:30
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 00:33:34 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

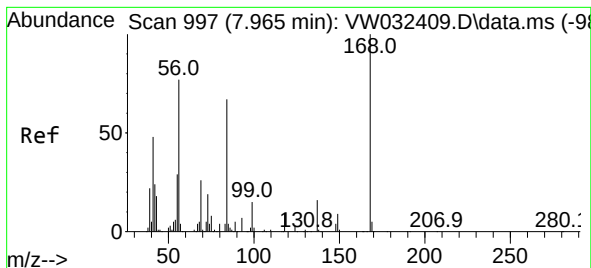
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	216975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	516792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	587664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	276900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177642	63.504	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 127.000%		
35) Dibromofluoromethane	7.904	113	160620	51.911	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 103.820%		
50) Toluene-d8	10.325	98	546364	46.028	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 92.060%		
62) 4-Bromofluorobenzene	12.617	95	263159	58.687	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 117.380%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	577	2.385	ug/l #	68
16) Acetone	4.167	43	3321	3.968	ug/l #	72
18) Methyl Acetate	4.716	43	11256	5.431	ug/l	93
20) Methylene Chloride	4.954	84	22168	7.407	ug/l	89
25) 2-Butanone	7.167	43	3637	2.950	ug/l #	80
26) 2,2-Dichloropropane	7.161	77	4411	1.582	ug/l #	53
31) Cyclohexane	7.971	56	6486	1.402	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	20092	4.407	ug/l #	51
38) Carbon Tetrachloride	7.965	117	23993	5.923	ug/l #	15
76) 1,2,3-Trichloropropane	12.617	75	138985	36.606	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	138985	83.844	ug/l #	11

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

Quant Time: Nov 27 00:33:34 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: 7.965 min Scan# 997

Delta R.T. 0.000 min

Lab File: VW032558.D

Acq: 26 Nov 2025 20:30

Instrument :

MSVOA_W

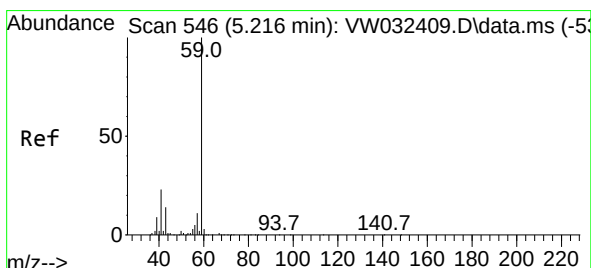
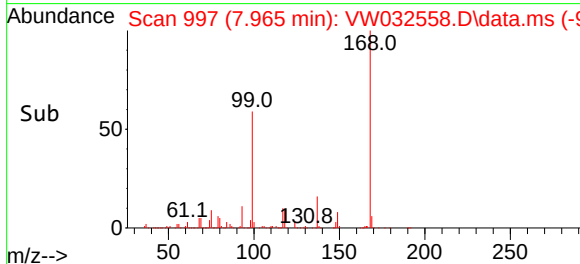
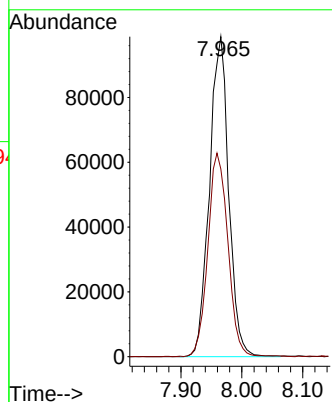
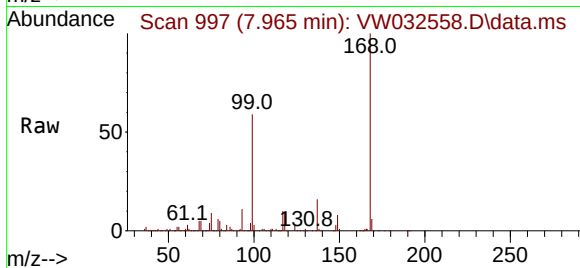
ClientSampleId :

Tgt Ion:168 Resp: 216975

Ion Ratio Lower Upper

168 100

99 58.5 45.4 68.2



#11

Tert butyl alcohol

Concen: 2.385 ug/l

RT: 5.210 min Scan# 545

Delta R.T. -0.006 min

Lab File: VW032558.D

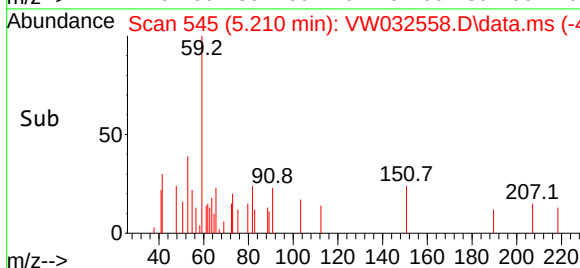
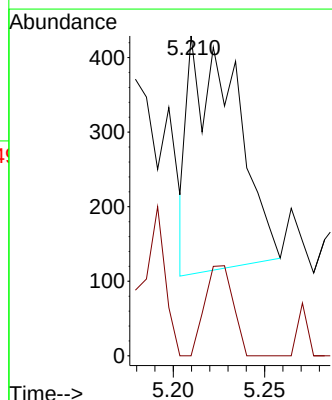
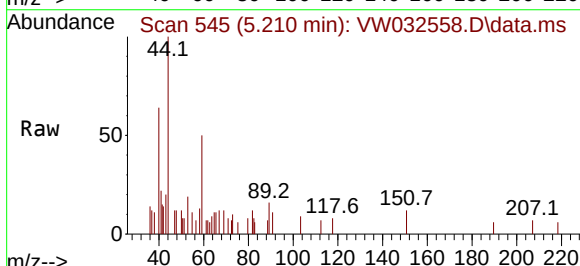
Acq: 26 Nov 2025 20:30

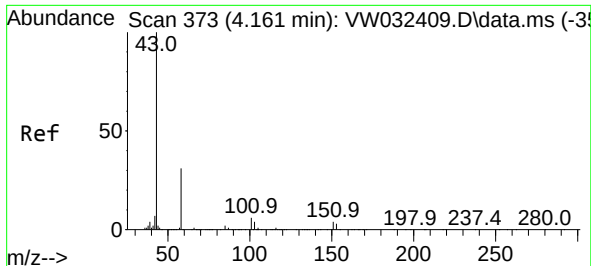
Tgt Ion: 59 Resp: 577

Ion Ratio Lower Upper

59 100

57 22.7 8.6 12.8#

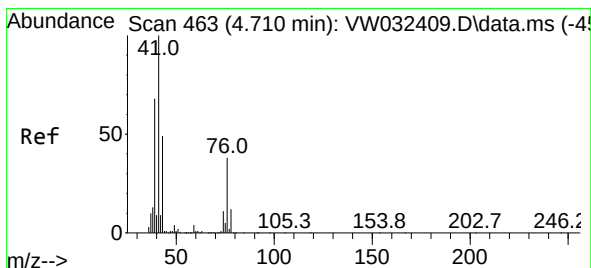
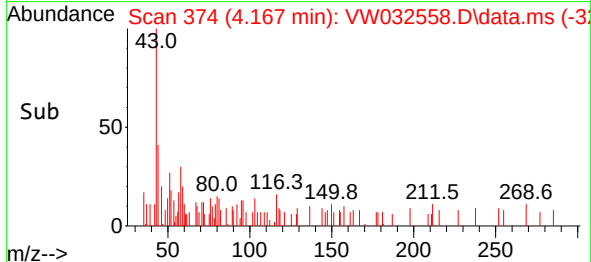
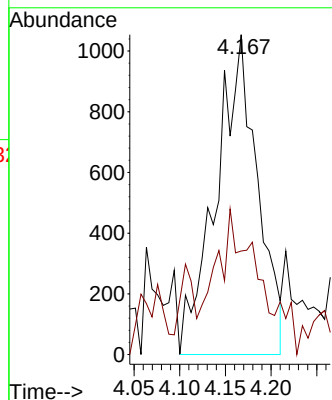
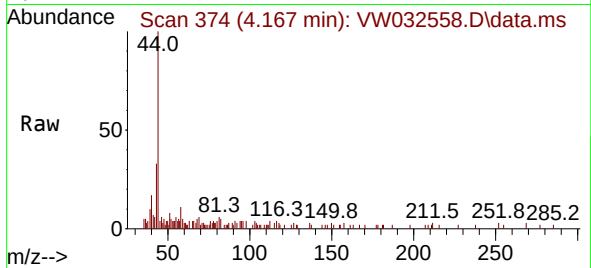




#16
Acetone
Concen: 3.968 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032558.D
Acq: 26 Nov 2025 20:30

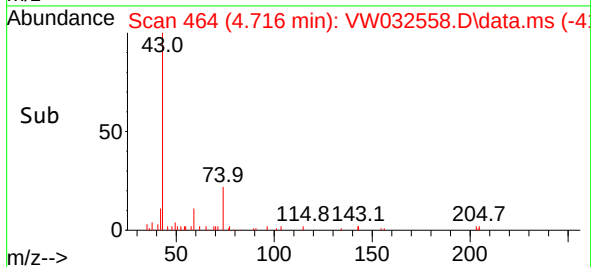
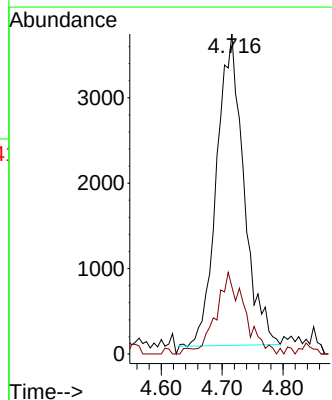
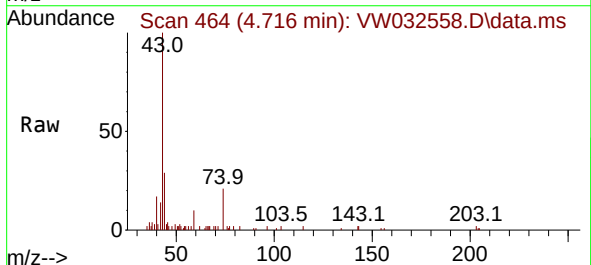
Instrument :
MSVOA_W
ClientSampleId :

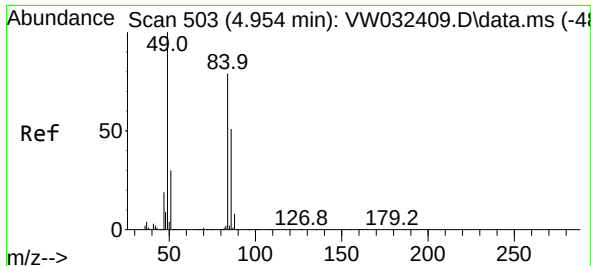
Tgt Ion: 43 Resp: 3321
Ion Ratio Lower Upper
43 100
58 15.8 24.8 37.2#



#18
Methyl Acetate
Concen: 5.431 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032558.D
Acq: 26 Nov 2025 20:30

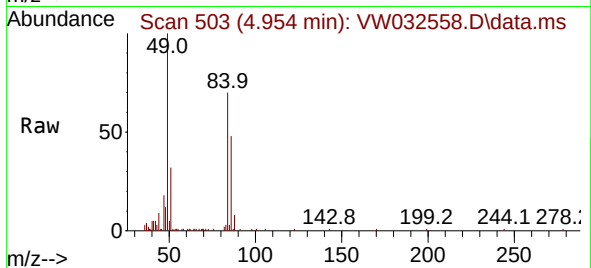
Tgt Ion: 43 Resp: 11256
Ion Ratio Lower Upper
43 100
74 27.1 18.9 28.3



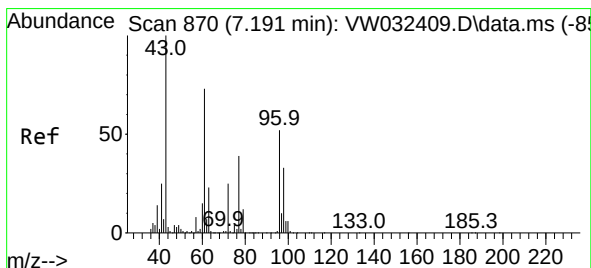
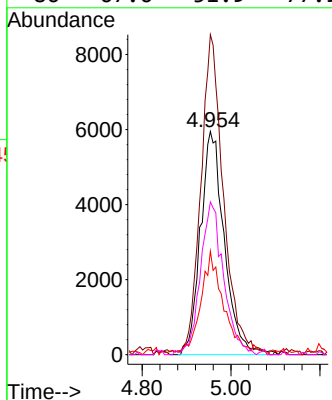
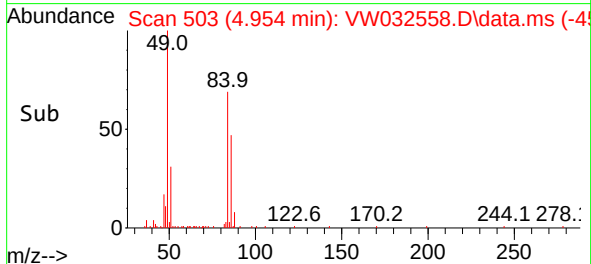


#20
Methylene Chloride
Concen: 7.407 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032558.D
Acq: 26 Nov 2025 20:30

Instrument :
MSVOA_W
ClientSampleId :

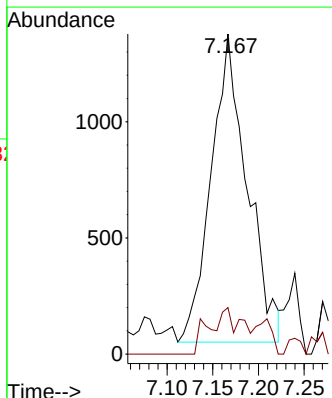
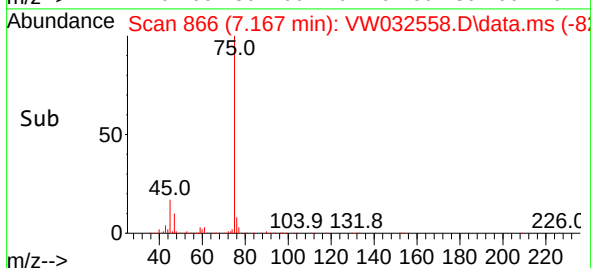
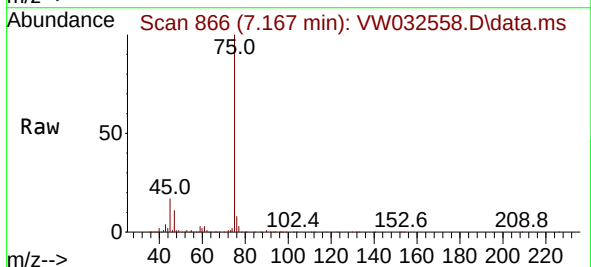


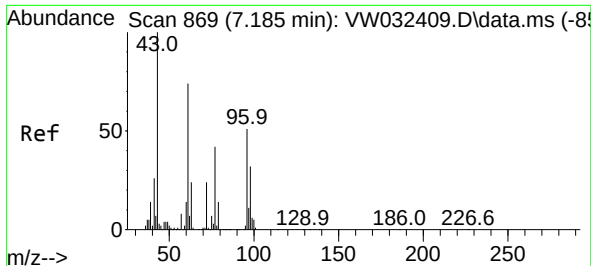
Tgt Ion:	84	Resp:	22168
Ion	Ratio	Lower	Upper
84	100		
49	143.4	101.5	152.3
51	44.9	30.6	46.0
86	67.6	51.9	77.9



#25
2-Butanone
Concen: 2.950 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032558.D
Acq: 26 Nov 2025 20:30

Tgt Ion:	43	Resp:	3637
Ion	Ratio	Lower	Upper
43	100		
72	15.1	20.0	30.0#

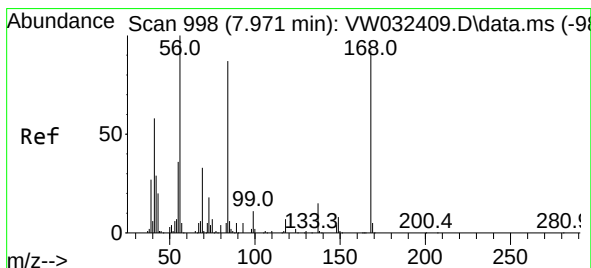
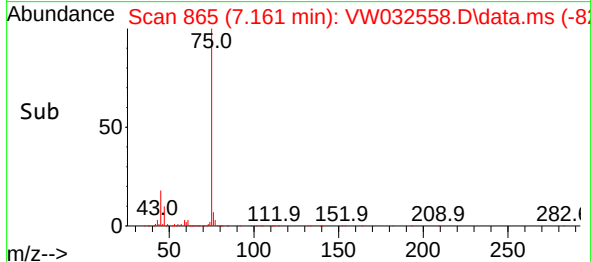
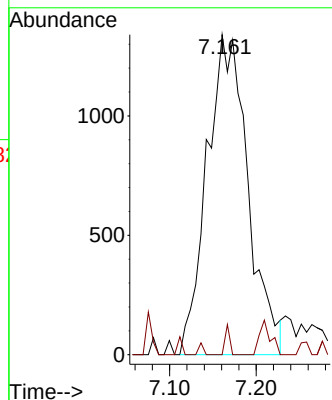
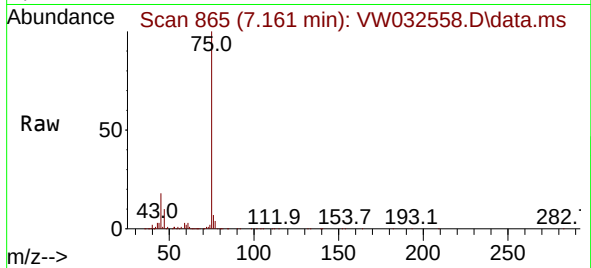




#26
2,2-Dichloropropane
Concen: 1.582 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.024 min
Lab File: VW032558.D
Acq: 26 Nov 2025 20:30

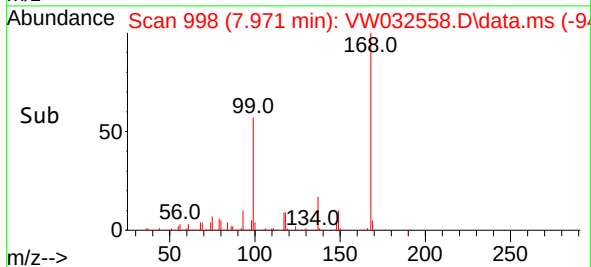
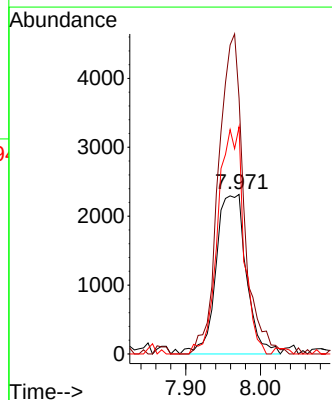
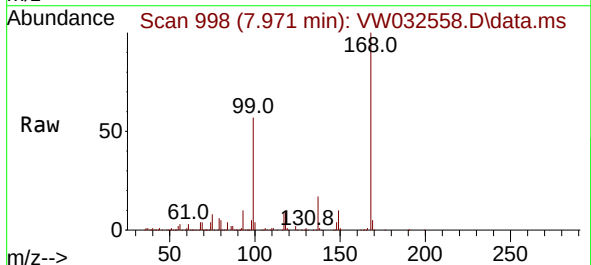
Instrument :
MSVOA_W
ClientSampleId :

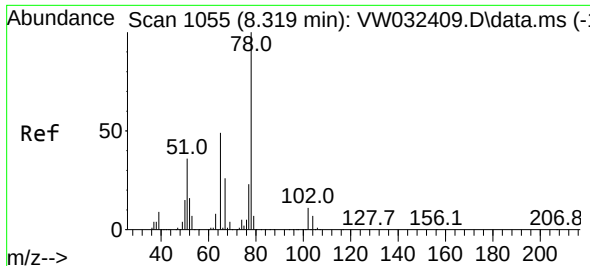
Tgt Ion: 77 Resp: 4411
Ion Ratio Lower Upper
77 100
97 1.0 12.3 36.8#



#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW032558.D
Acq: 26 Nov 2025 20:30

Tgt Ion: 56 Resp: 6486
Ion Ratio Lower Upper
56 100
69 160.2 26.5 39.7#
84 142.4 69.6 104.4#

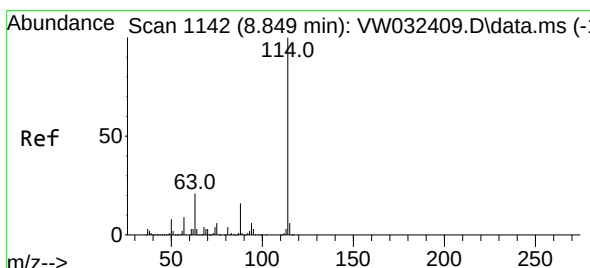
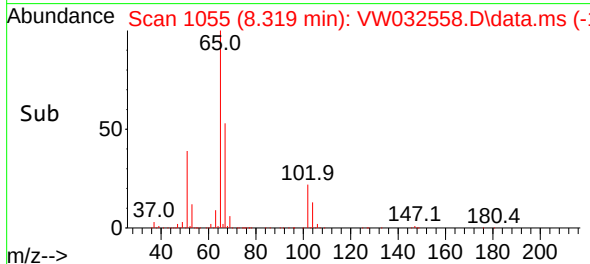
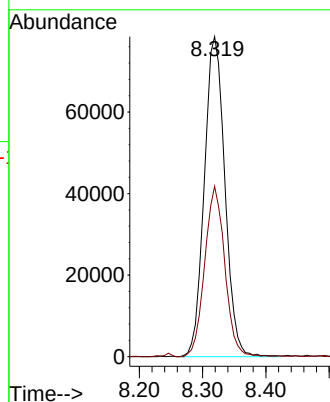
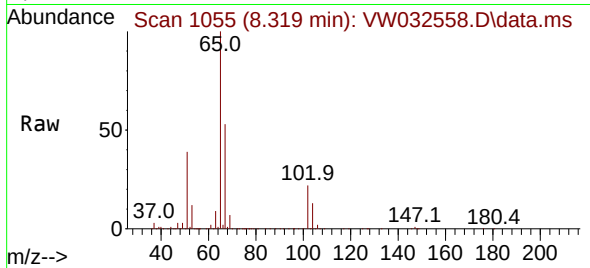




#33
 1,2-Dichloroethane-d4
 Concen: 63.504 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032558.D
 Acq: 26 Nov 2025 20:30

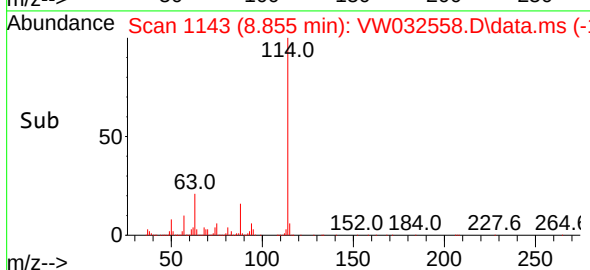
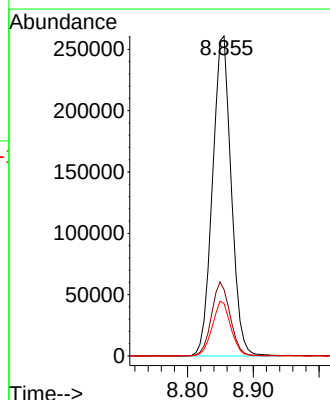
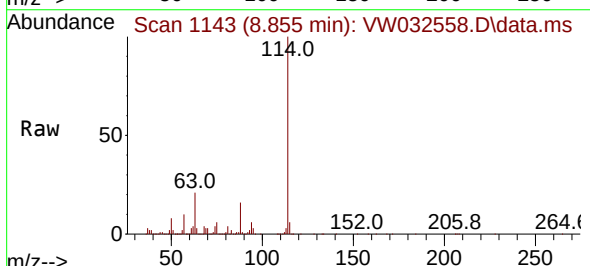
Instrument :
 MSVOA_W
 ClientSampleId :

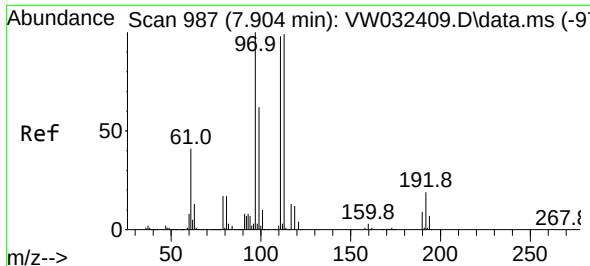
Tgt Ion: 65 Resp: 177642
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032558.D
 Acq: 26 Nov 2025 20:30

Tgt Ion: 114 Resp: 516792
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.8
 88 16.3 0.0 32.6

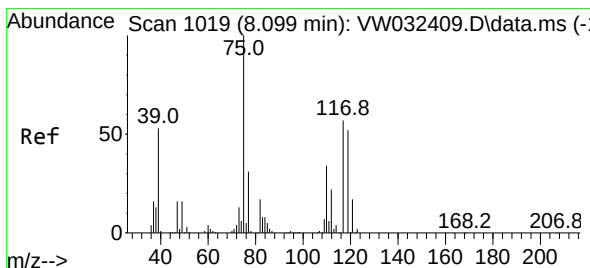
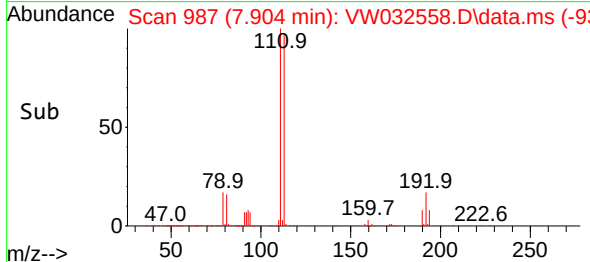
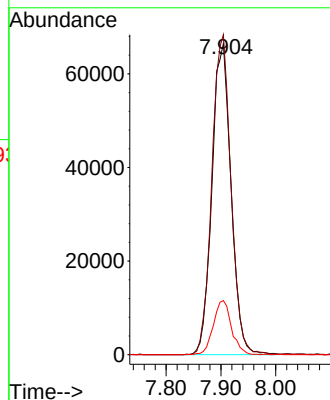
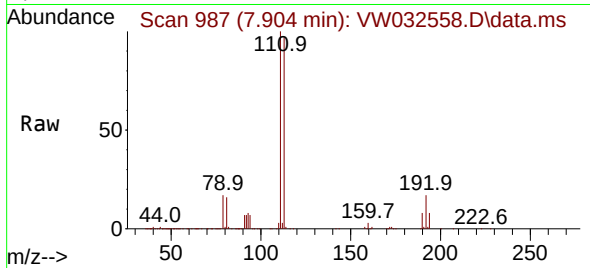




#35
Dibromofluoromethane
Concen: 51.911 ug/l
RT: 7.904 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032558.D
Acq: 26 Nov 2025 20:30

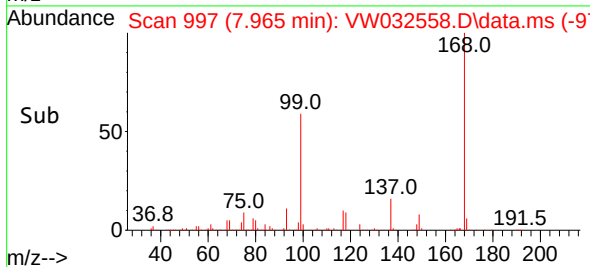
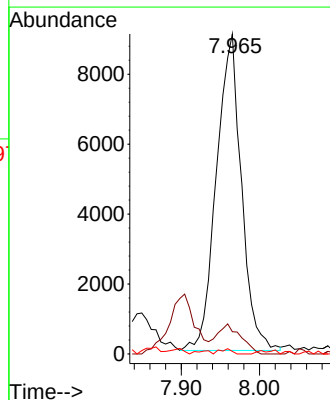
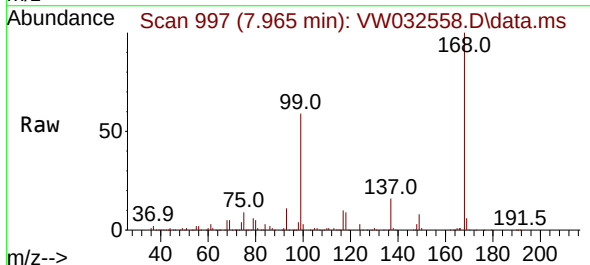
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MSVOA_W
ClientSampleId :

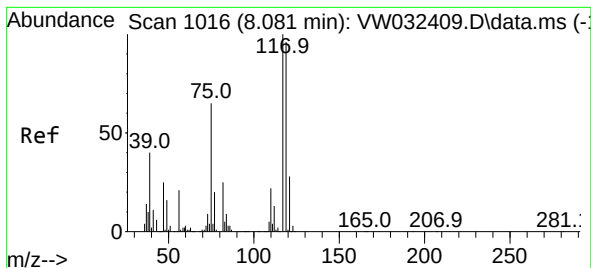
Tgt Ion:113 Resp: 160620
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 16.6 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.407 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032558.D
Acq: 26 Nov 2025 20:30

Tgt Ion: 75 Resp: 20092
Ion Ratio Lower Upper
75 100
110 9.0 17.2 51.5#
77 0.8 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.923 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

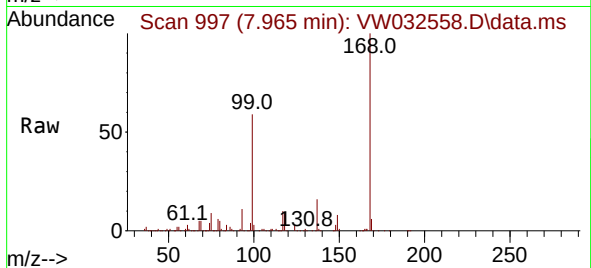
Lab File: VW032558.D

Acq: 26 Nov 2025 20:30

Instrument :

MSVOA_W

ClientSampleId :



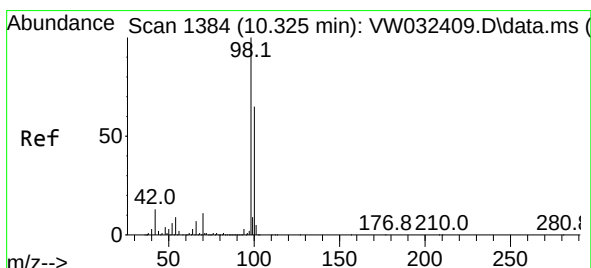
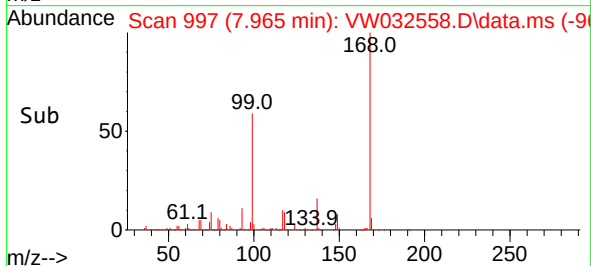
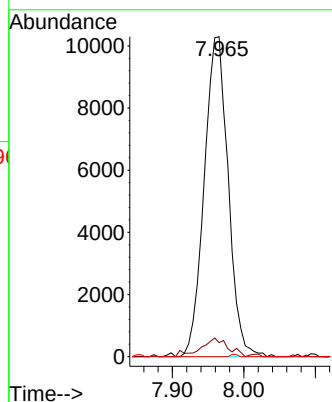
Tgt Ion:117 Resp: 23993

Ion Ratio Lower Upper

117 100

119 4.4 77.0 115.4#

121 0.0 22.0 33.0#



#50

Toluene-d8

Concen: 46.028 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032558.D

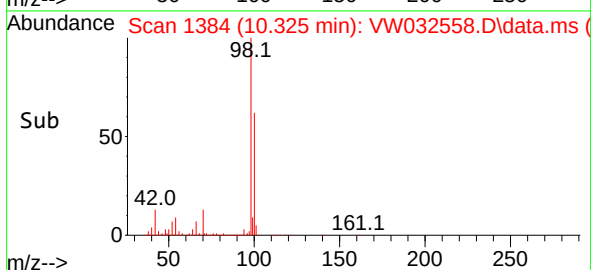
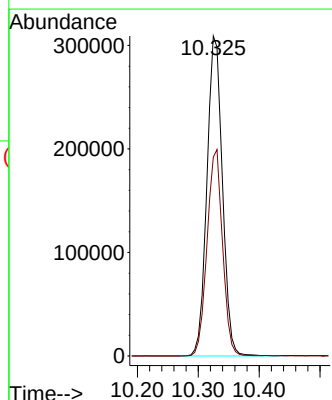
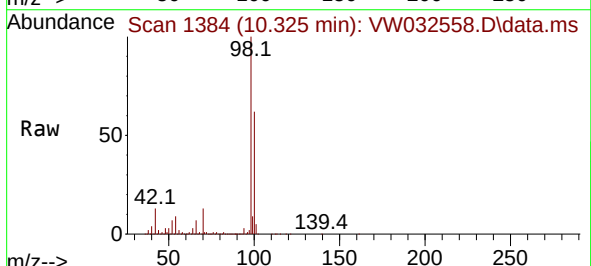
Acq: 26 Nov 2025 20:30

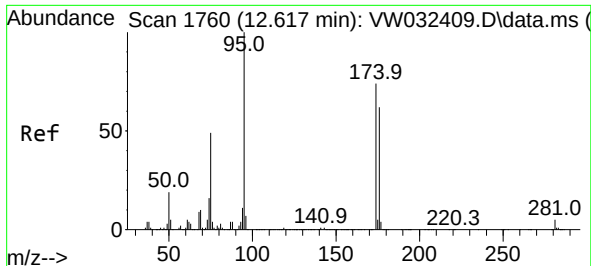
Tgt Ion: 98 Resp: 546364

Ion Ratio Lower Upper

98 100

100 64.5 53.3 79.9

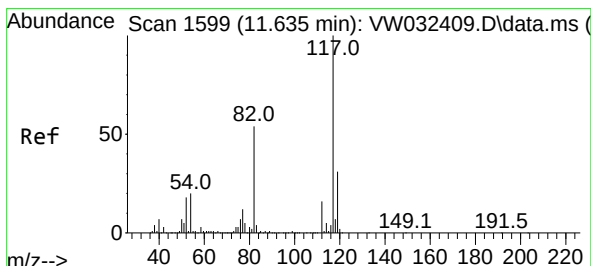
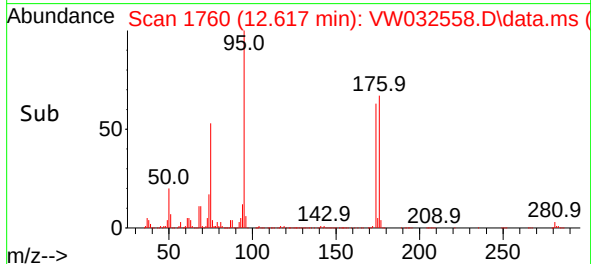
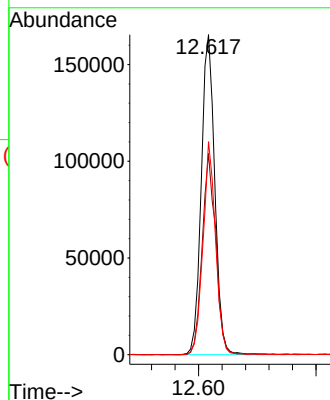
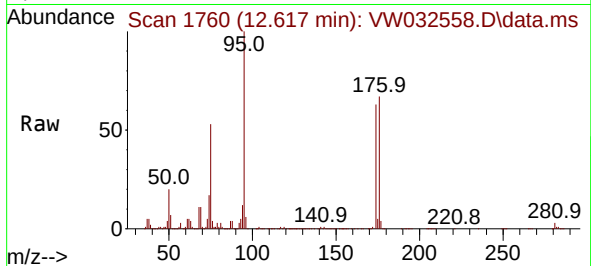




#62
4-Bromofluorobenzene
Concen: 58.687 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032558.D
Acq: 26 Nov 2025 20:30

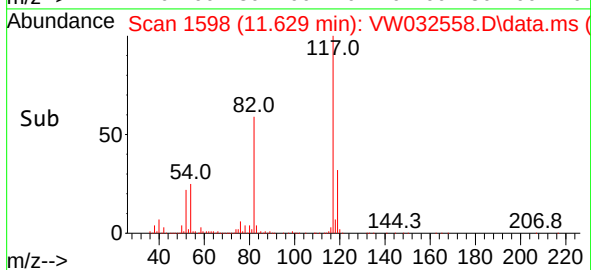
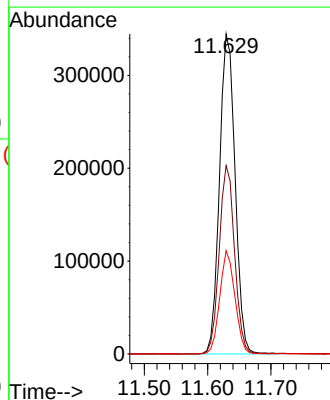
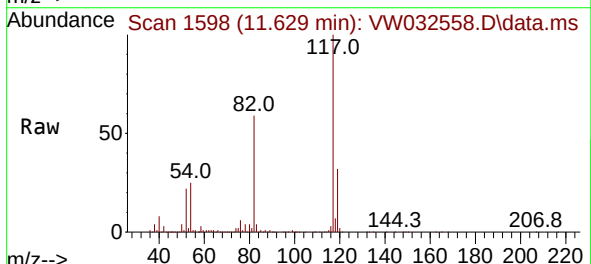
Instrument :
MSVOA_W
ClientSampleId :

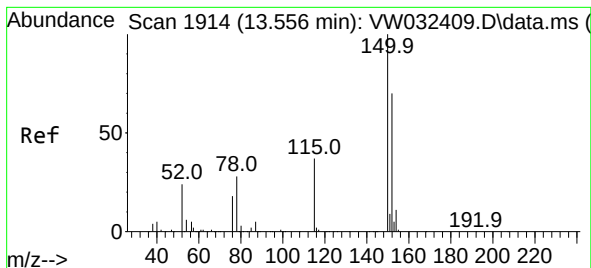
Tgt Ion: 95 Resp: 263159
Ion Ratio Lower Upper
95 100
174 63.5 0.0 135.4
176 61.9 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032558.D
Acq: 26 Nov 2025 20:30

Tgt Ion: 117 Resp: 587664
Ion Ratio Lower Upper
117 100
82 58.8 43.0 64.4
119 32.3 25.0 37.6

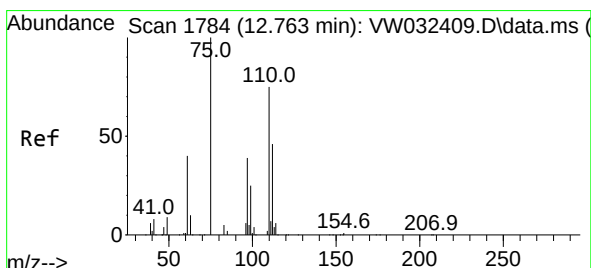
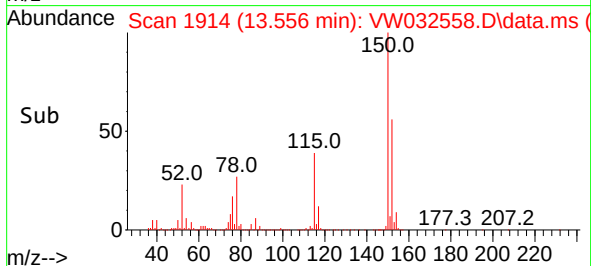
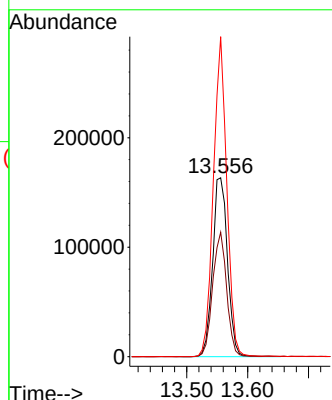
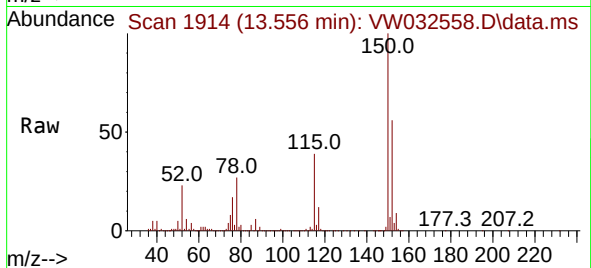




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032558.D
 Acq: 26 Nov 2025 20:30

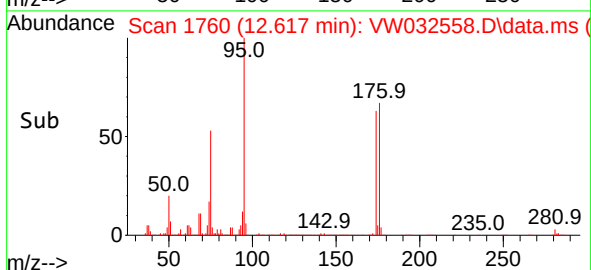
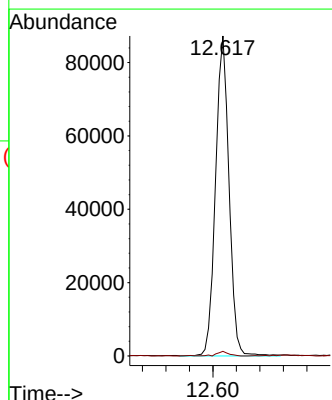
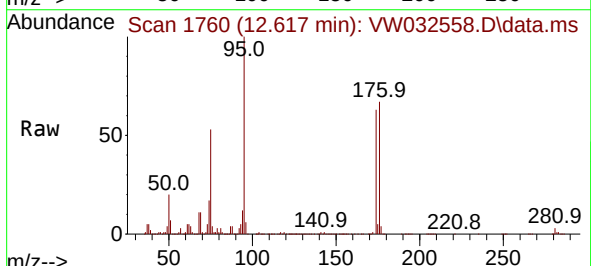
Instrument :
 MSVOA_W
 ClientSampleId :

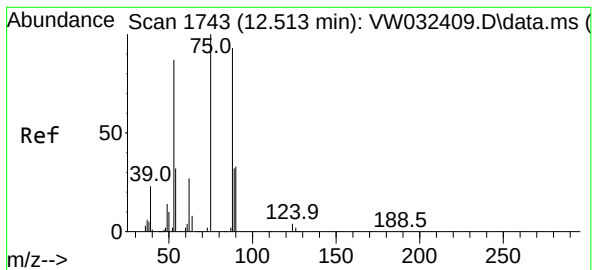
Tgt Ion:152 Resp: 276900
 Ion Ratio Lower Upper
 152 100
 115 65.6 32.8 98.3
 150 161.1 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 36.606 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032558.D
 Acq: 26 Nov 2025 20:30

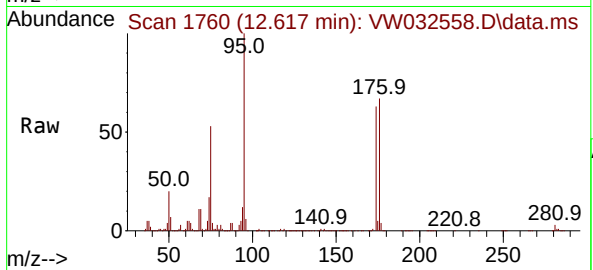
Tgt Ion: 75 Resp: 138985
 Ion Ratio Lower Upper
 75 100
 77 1.3 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.844 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032558.D
 Acq: 26 Nov 2025 20:30

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 138985
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 35.6 53.4#

