

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032420.D
 Acq On : 11 Nov 2025 11:22
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 12 03:45:26 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

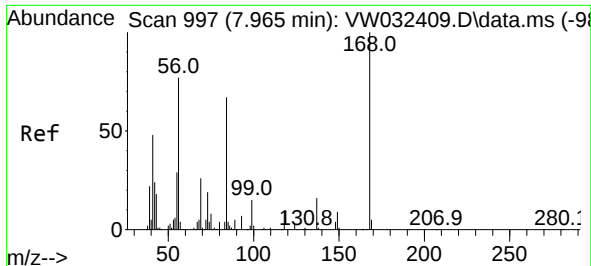
Compound	R.T.	T. QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	264316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	607073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	629228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	293574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	227494	66.760	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 133.520%		
35) Dibromofluoromethane	7.904	113	204824	56.353	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 112.700%		
50) Toluene-d8	10.331	98	767506	55.042	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 110.080%		
62) 4-Bromofluorobenzene	12.617	95	312486	59.324	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 118.640%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.179	59	2913	9.886	ug/l #	77
16) Acetone	4.167	43	8218	8.061	ug/l #	73
18) Methyl Acetate	4.710	43	8761	3.470	ug/l	98
20) Methylene Chloride	4.953	84	24764	6.792	ug/l	94
25) 2-Butanone	7.179	43	3564	2.373	ug/l #	70
26) 2,2-Dichloropropane	7.160	77	5015	1.477	ug/l #	53
31) Cyclohexane	7.965	56	6037	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	23402	4.370	ug/l #	49
38) Carbon Tetrachloride	7.959	117	28257	5.938	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	155052	38.519	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	155052	88.224	ug/l #	11

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

Quant Time: Nov 12 03:45:26 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

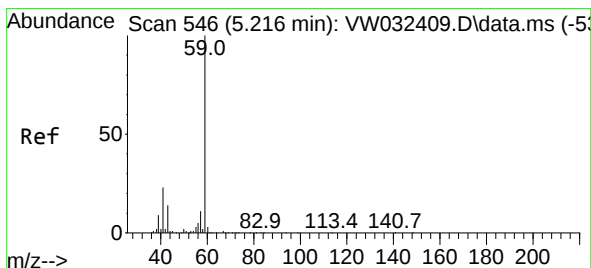
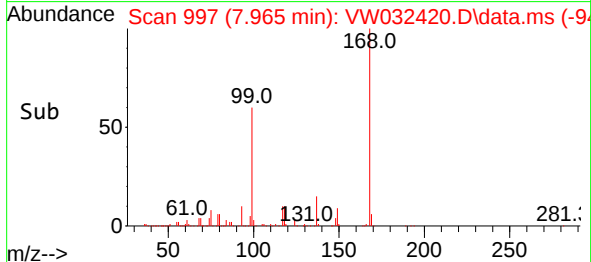
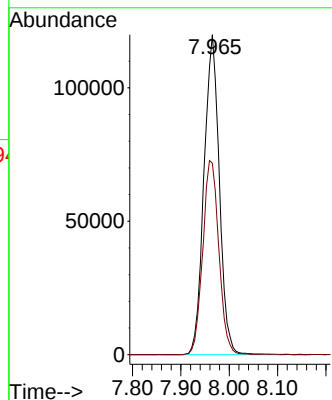
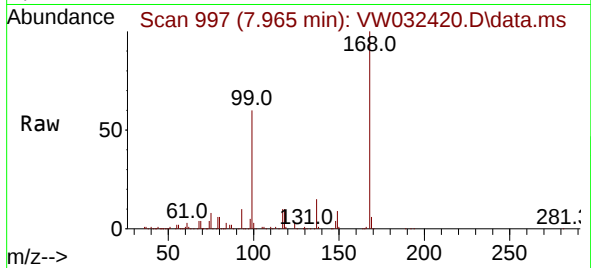




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

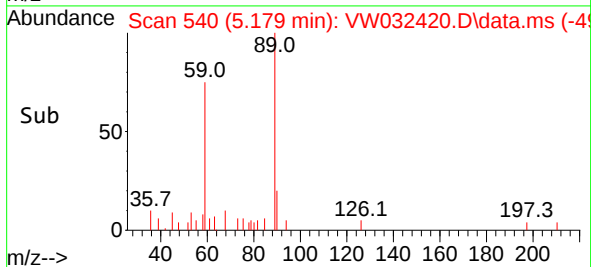
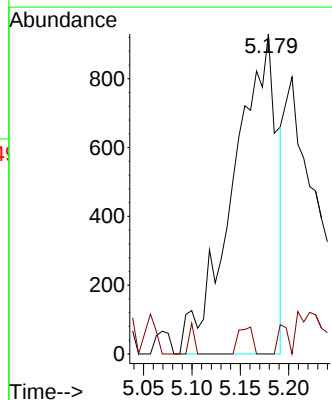
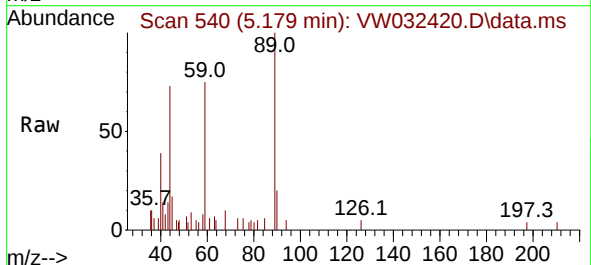
Instrument :
MSVOA_W
ClientSampleId :

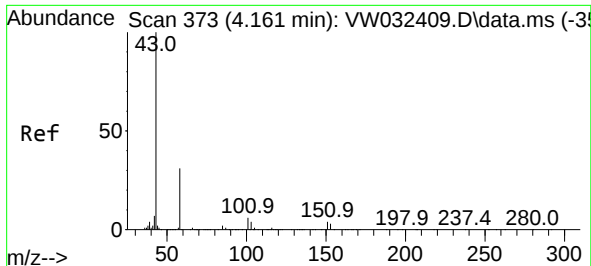
Tgt Ion:168 Resp: 264316
Ion Ratio Lower Upper
168 100
99 59.9 45.4 68.2



#11
Tert butyl alcohol
Concen: 9.886 ug/l
RT: 5.179 min Scan# 540
Delta R.T. -0.037 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

Tgt Ion: 59 Resp: 2913
Ion Ratio Lower Upper
59 100
57 2.0 8.6 12.8#

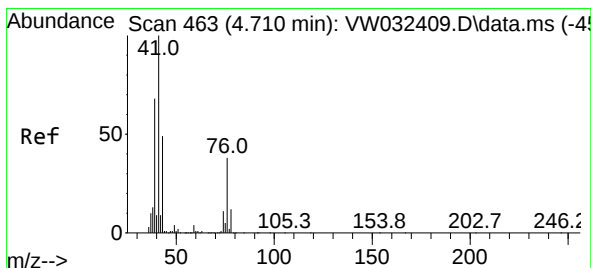
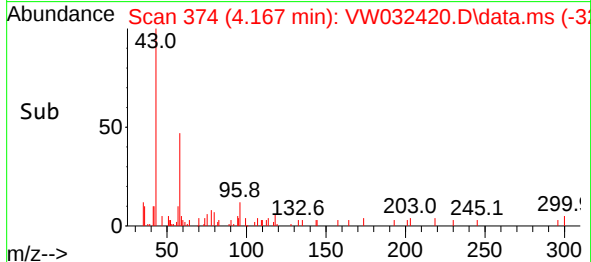
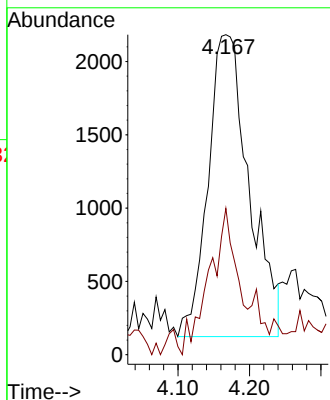
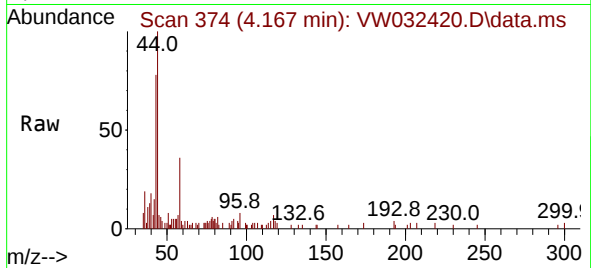




#16
Acetone
Concen: 8.061 ug/l
RT: 4.167 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

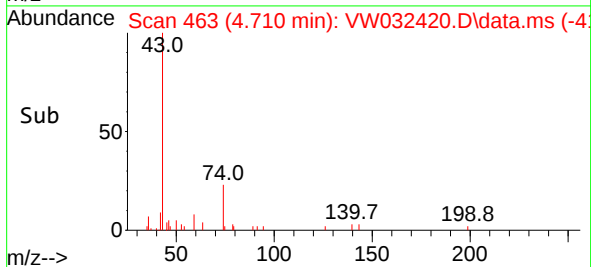
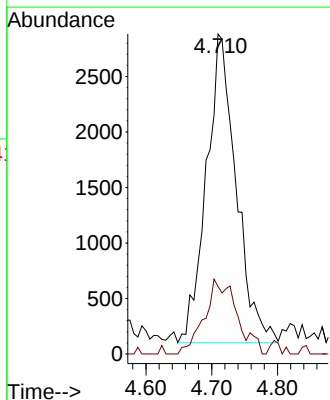
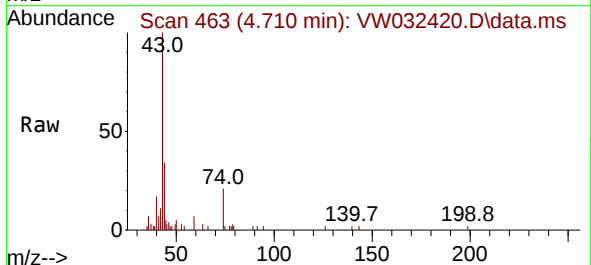
Instrument :
MSVOA_W
ClientSampleId :

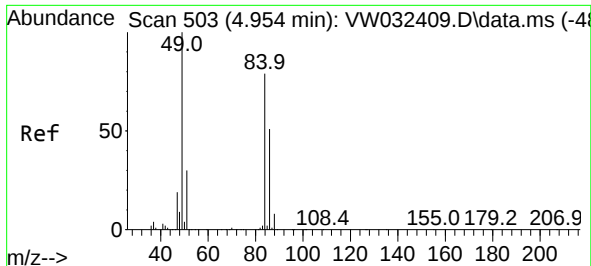
Tgt Ion: 43 Resp: 8218
Ion Ratio Lower Upper
43 100
58 45.8 24.8 37.2#



#18
Methyl Acetate
Concen: 3.470 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

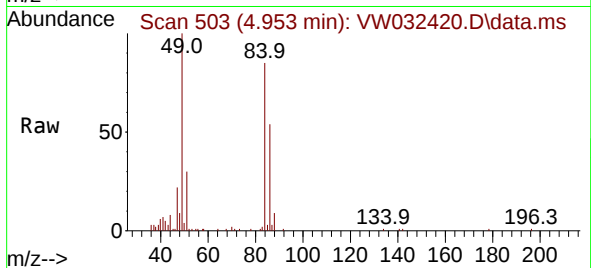
Tgt Ion: 43 Resp: 8761
Ion Ratio Lower Upper
43 100
74 24.4 18.9 28.3



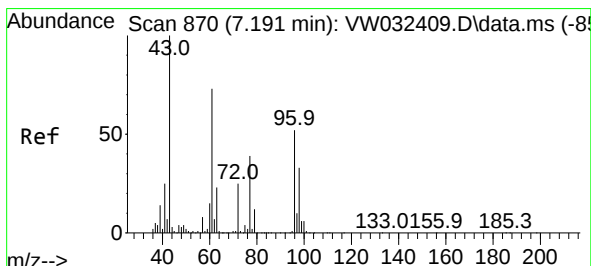
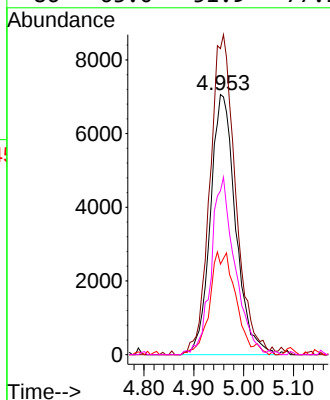
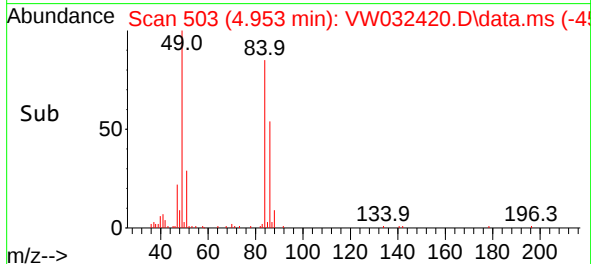


#20
Methylene Chloride
Concen: 6.792 ug/l
RT: 4.953 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

Instrument :
MSVOA_W
ClientSampleId :

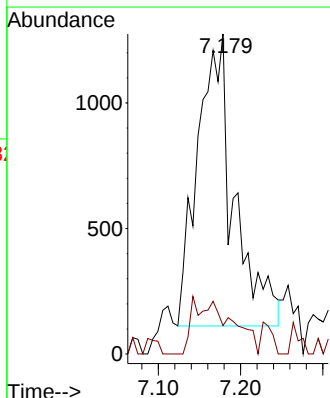
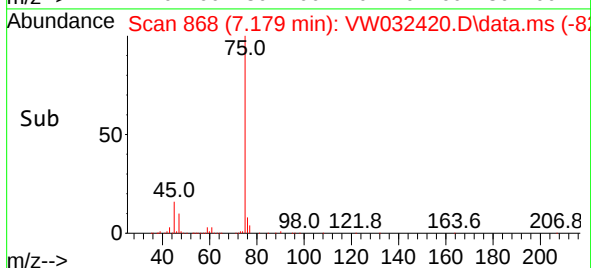
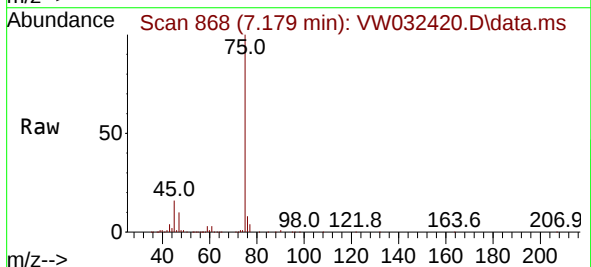


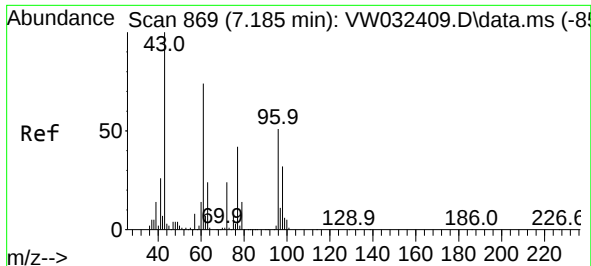
Tgt Ion:	84	Resp:	24764
Ion	Ratio	Lower	Upper
84	100		
49	117.6	101.5	152.3
51	34.8	30.6	46.0
86	63.0	51.9	77.9



#25
2-Butanone
Concen: 2.373 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

Tgt Ion:	43	Resp:	3564
Ion	Ratio	Lower	Upper
43	100		
72	9.7	20.0	30.0#

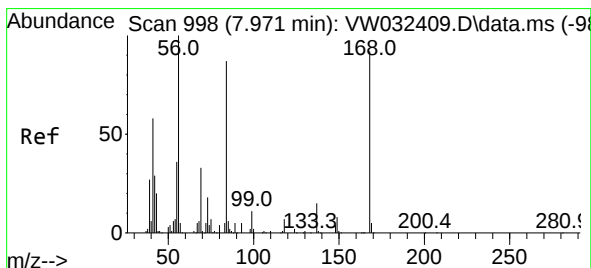
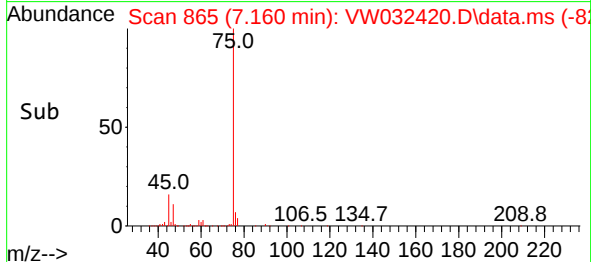
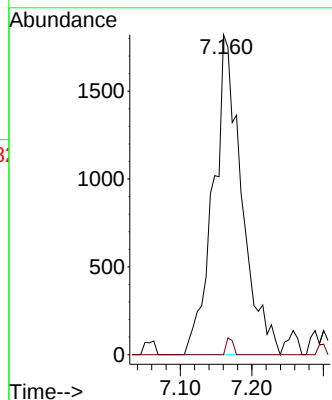
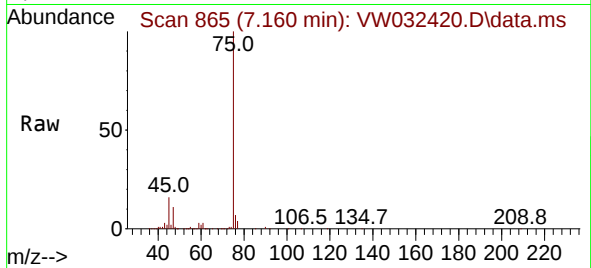




#26
2,2-Dichloropropane
Concen: 1.477 ug/l
RT: 7.160 min Scan# 80
Delta R.T. -0.025 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

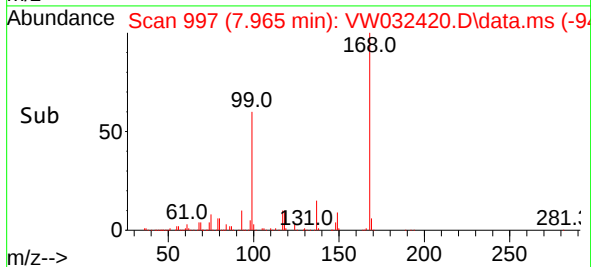
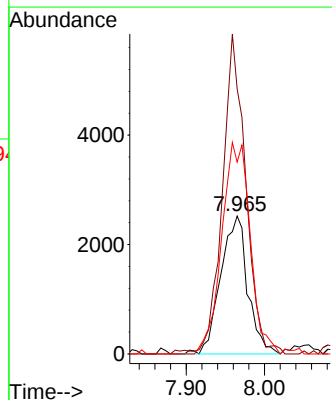
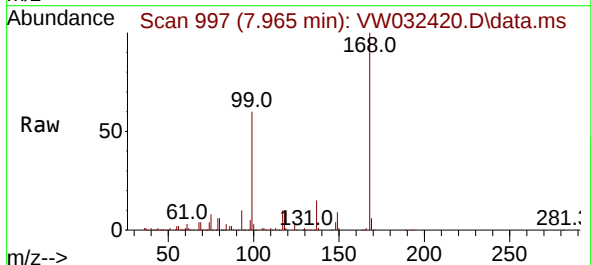
Instrument :
MSVOA_W
ClientSampleId :

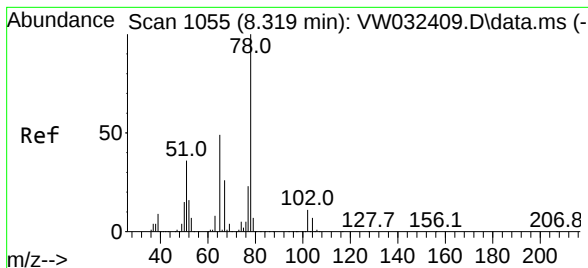
Tgt Ion: 77 Resp: 5015
Ion Ratio Lower Upper
77 100
97 1.3 12.3 36.8#



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

Tgt Ion: 56 Resp: 6037
Ion Ratio Lower Upper
56 100
69 190.0 26.5 39.7#
84 139.2 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 66.760 ug/l

RT: 8.319 min Scan# 110

Delta R.T. -0.000 min

Lab File: VW032420.D

Acq: 11 Nov 2025 11:22

Instrument :

MSVOA_W

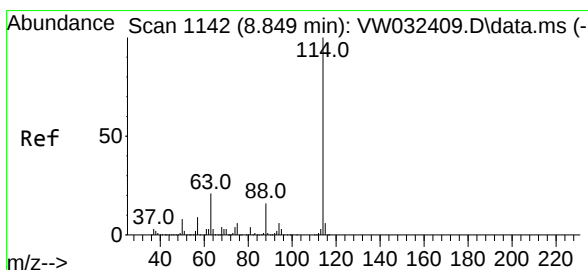
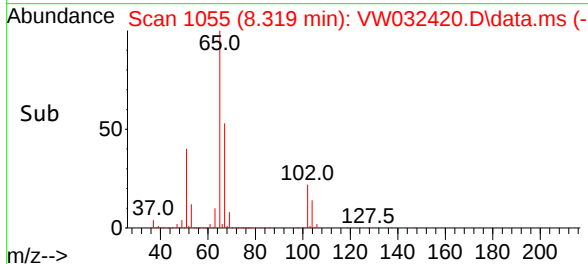
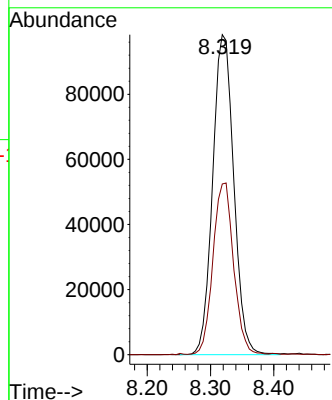
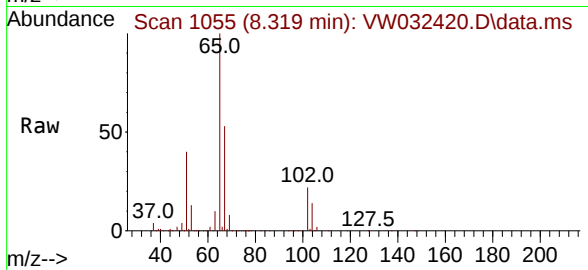
ClientSampleId :

Tgt Ion: 65 Resp: 227494

Ion Ratio Lower Upper

65 100

67 52.2 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: VW032420.D

Acq: 11 Nov 2025 11:22

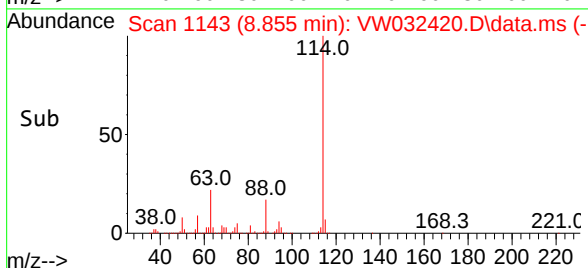
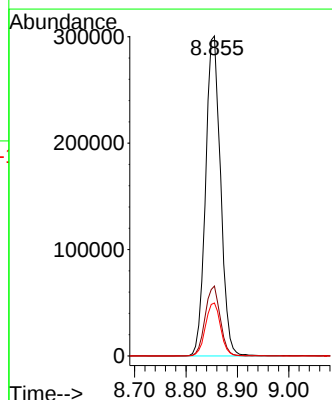
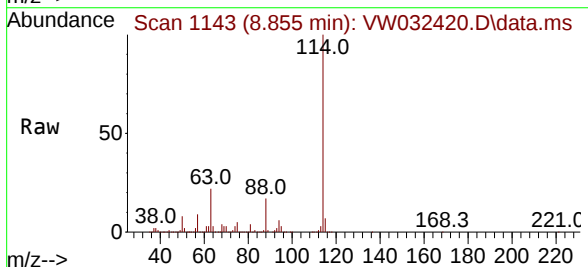
Tgt Ion:114 Resp: 607073

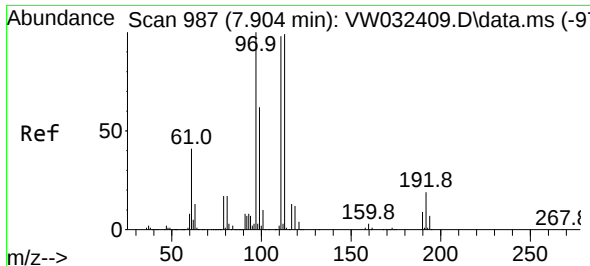
Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.8

88 16.5 0.0 32.6

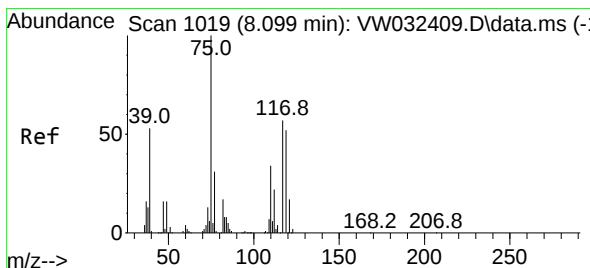
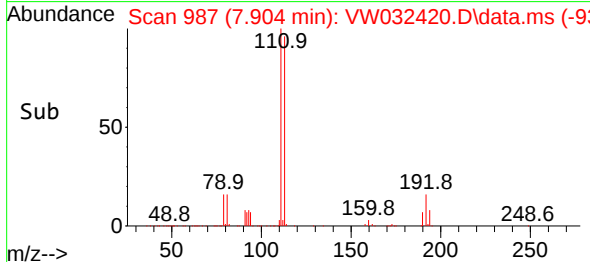
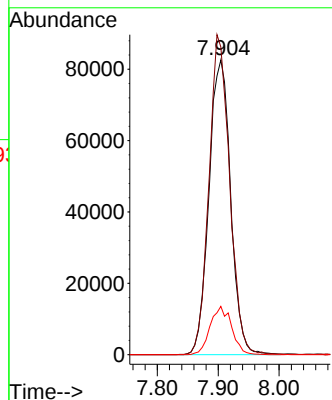
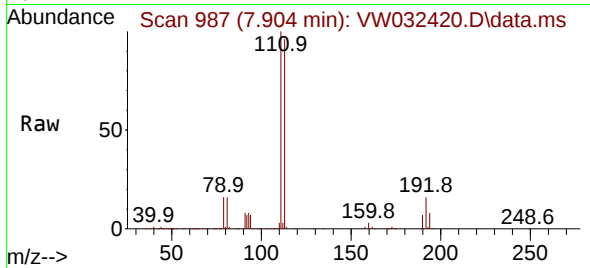




#35
Dibromofluoromethane
Concen: 56.353 ug/l
RT: 7.904 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

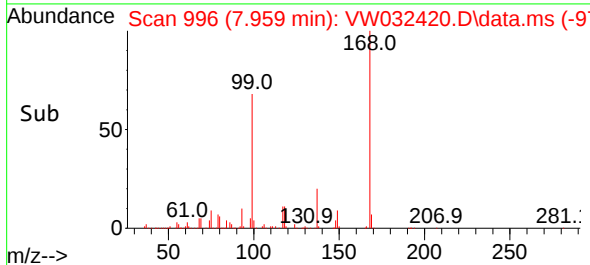
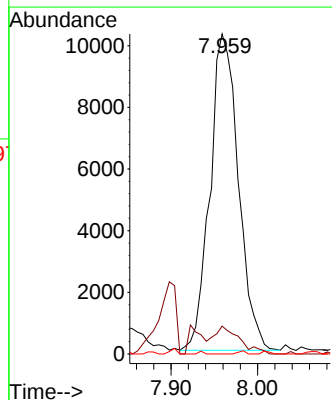
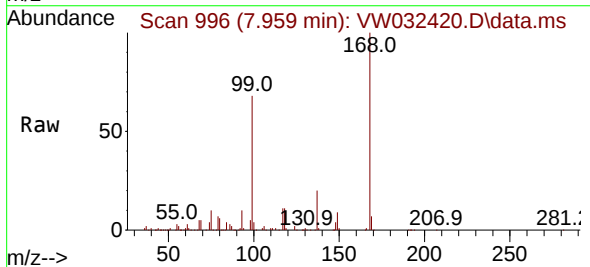
Instrument :
MSVOA_W
ClientSampleId :

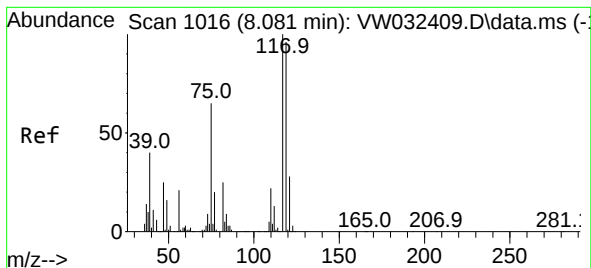
Tgt Ion:113 Resp: 204824
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 16.2 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.370 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

Tgt Ion: 75 Resp: 23402
Ion Ratio Lower Upper
75 100
110 8.0 17.2 51.5#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.938 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

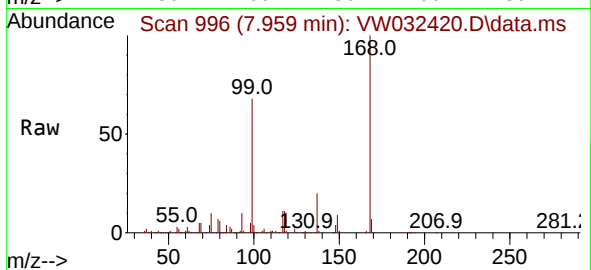
Lab File: VW032420.D

Acq: 11 Nov 2025 11:22

Instrument :

MSVOA_W

ClientSampleId :



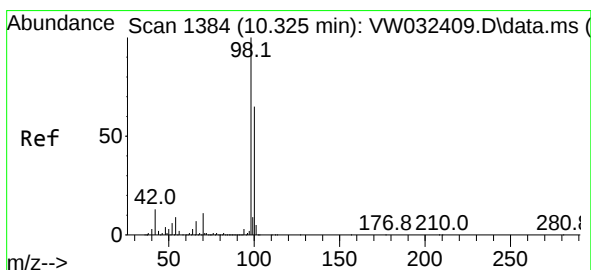
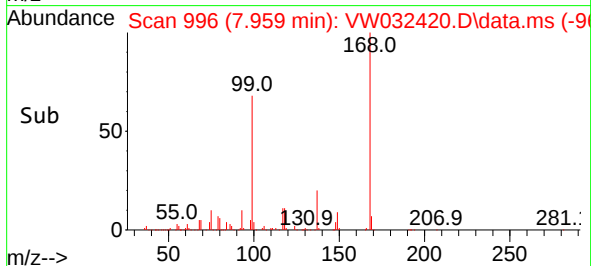
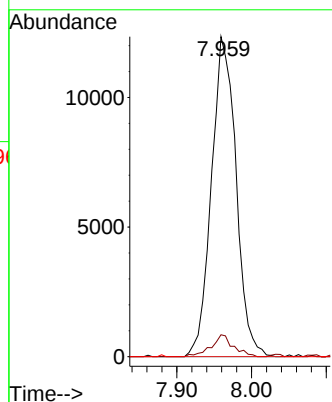
Tgt Ion:117 Resp: 28257

Ion Ratio Lower Upper

117 100

119 6.8 77.0 115.4#

121 0.0 22.0 33.0#



#50

Toluene-d8

Concen: 55.042 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032420.D

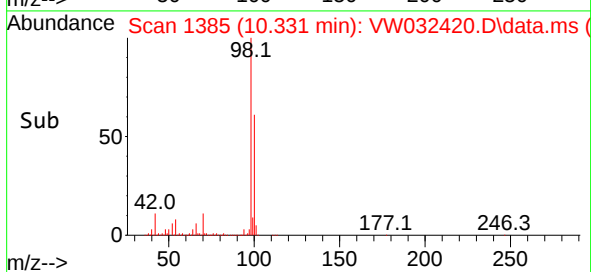
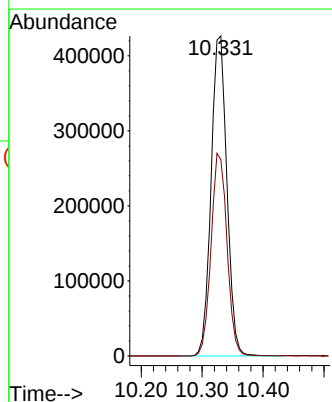
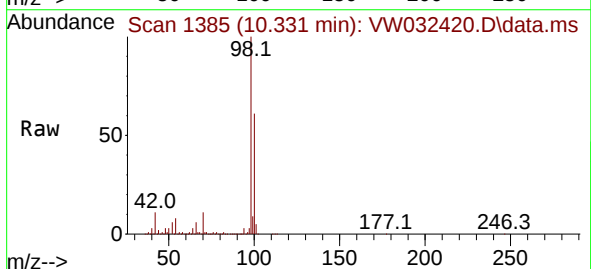
Acq: 11 Nov 2025 11:22

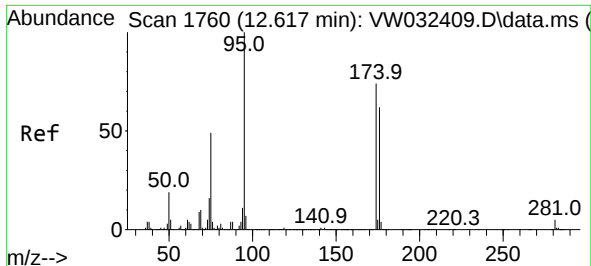
Tgt Ion: 98 Resp: 767506

Ion Ratio Lower Upper

98 100

100 64.1 53.3 79.9

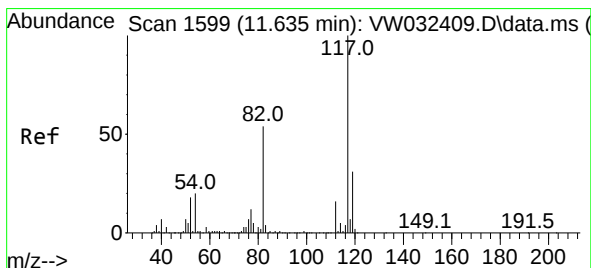
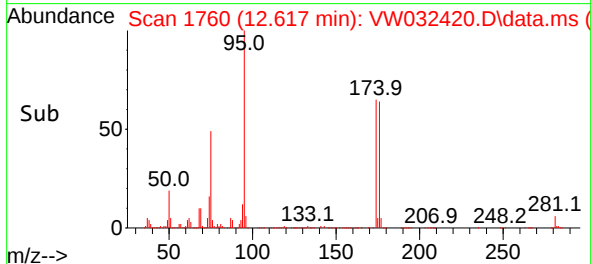
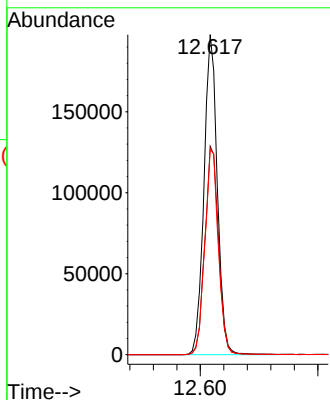
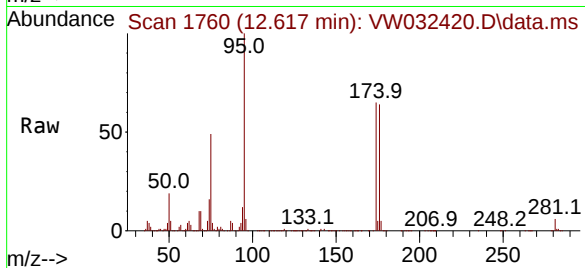




#62
4-Bromofluorobenzene
Concen: 59.324 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

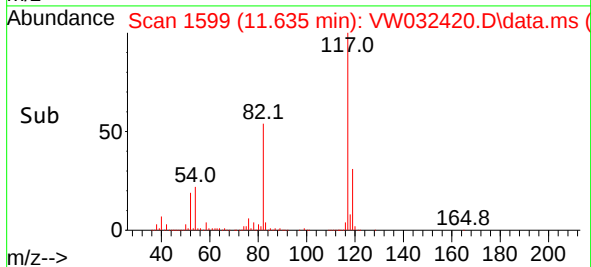
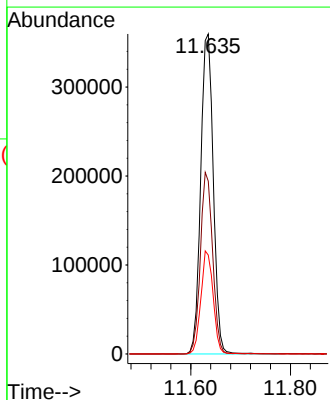
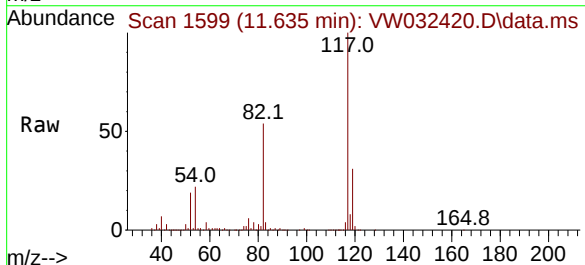
Instrument :
MSVOA_W
ClientSampleId :

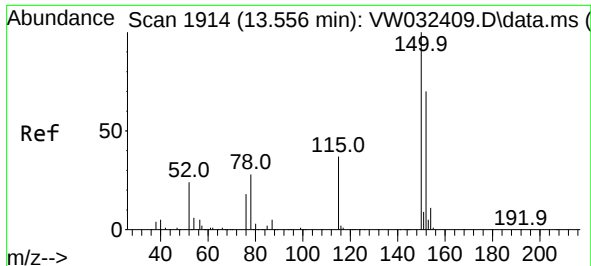
Tgt Ion: 95 Resp: 312486
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.4
176 64.9 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

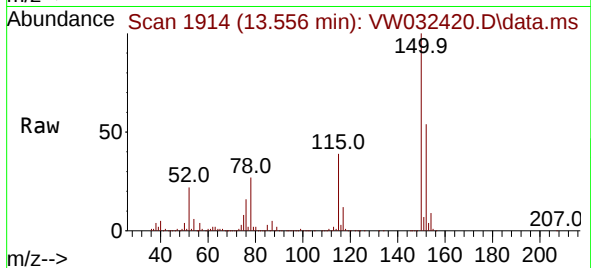
Tgt Ion: 117 Resp: 629228
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 30.9 25.0 37.6



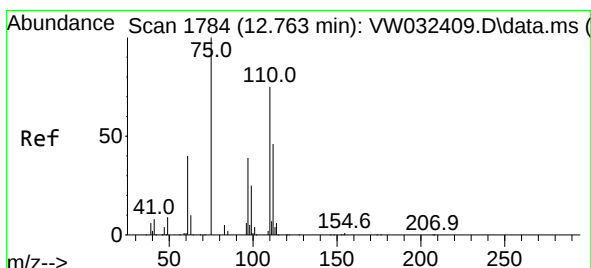
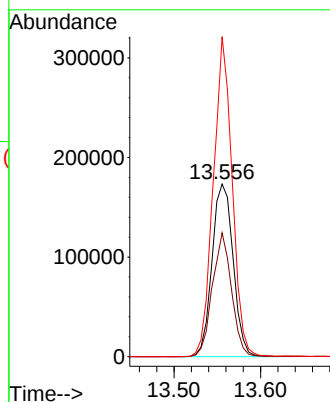
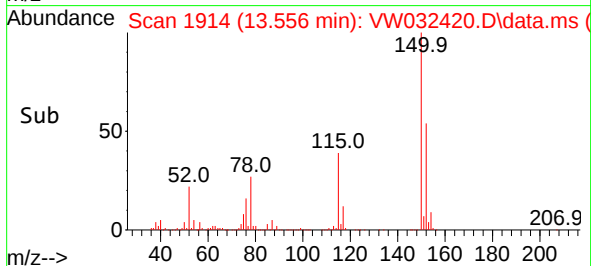


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032420.D
 Acq: 11 Nov 2025 11:22

Instrument :
 MSVOA_W
 ClientSampleId :

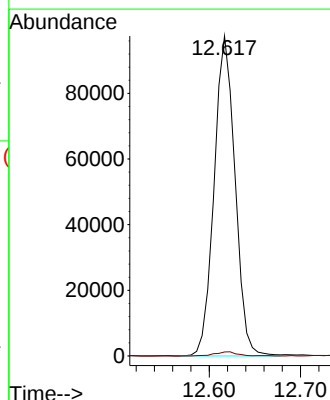
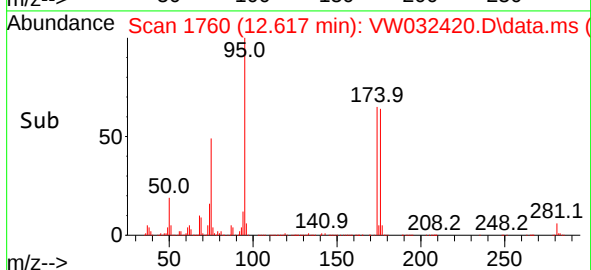
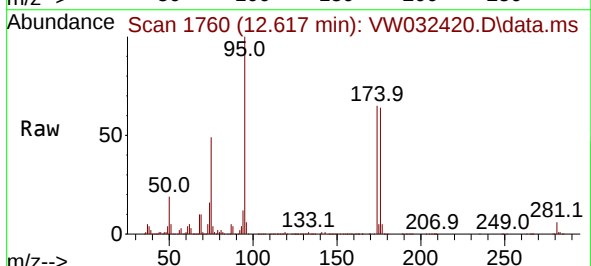


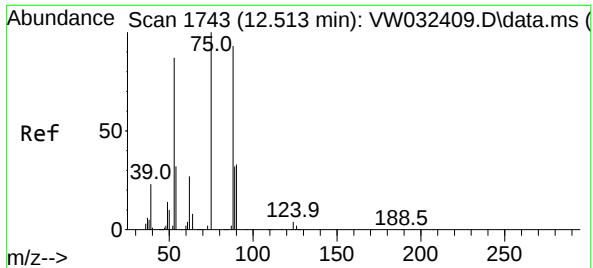
Tgt Ion:152 Resp: 293574
 Ion Ratio Lower Upper
 152 100
 115 65.1 32.8 98.3
 150 166.1 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 38.519 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032420.D
 Acq: 11 Nov 2025 11:22

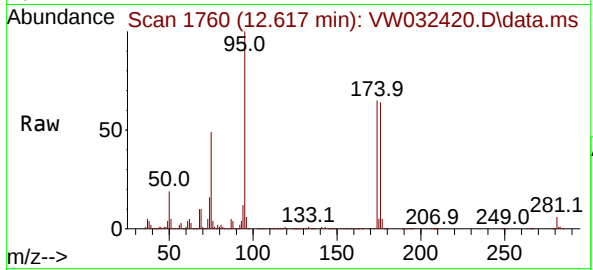
Tgt Ion: 75 Resp: 155052
 Ion Ratio Lower Upper
 75 100
 77 1.3 151.6 454.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.224 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.103 min
Lab File: VW032420.D
Acq: 11 Nov 2025 11:22

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 155052
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.3 35.6 53.4#

