

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120525\
 Data File : VW032578.D
 Acq On : 05 Dec 2025 14:27
 Operator : SY/MD
 Sample : Q3784-04
 Misc : 5.96g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB4A

Quant Time: Dec 05 23:01:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

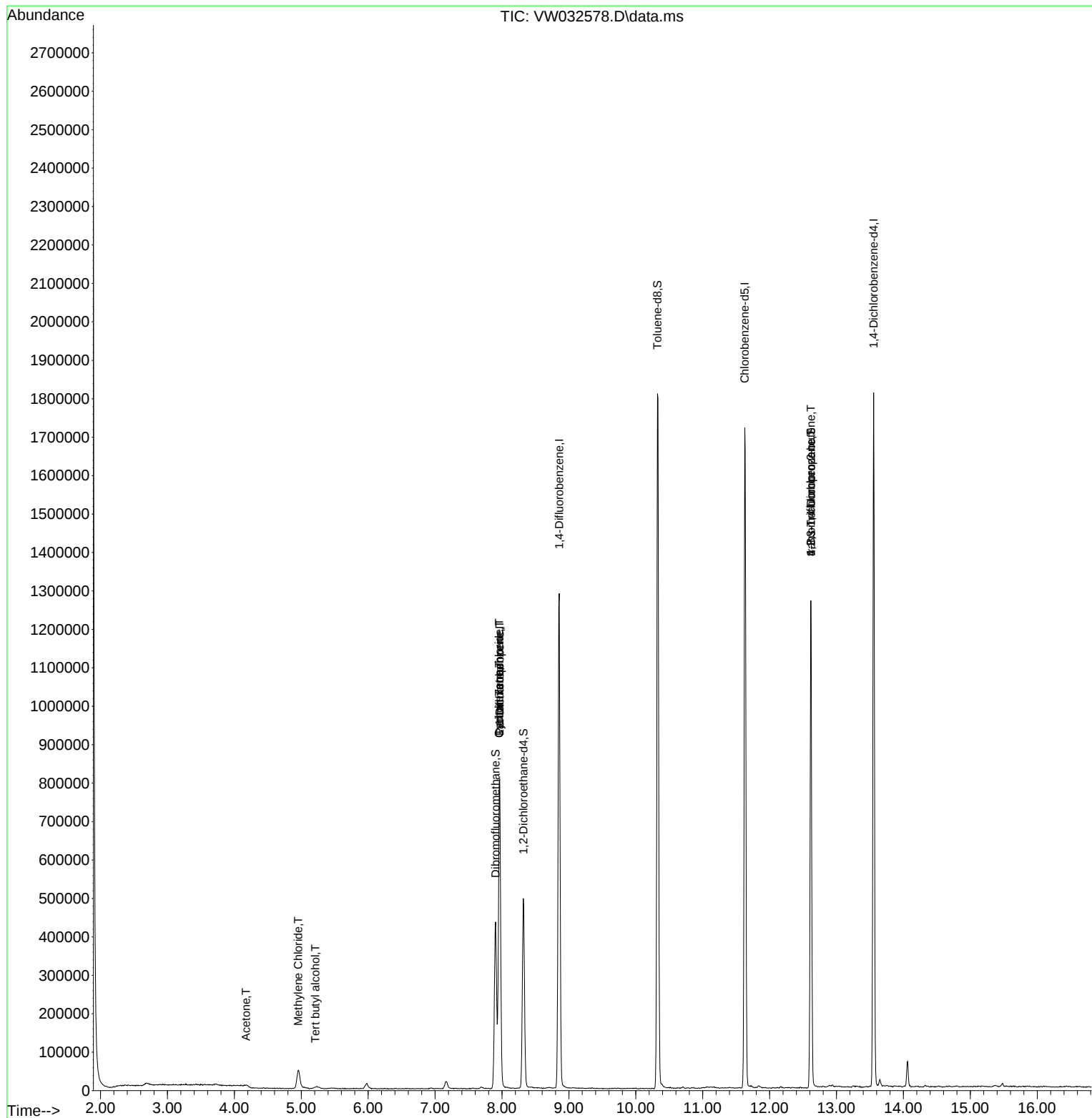
Internal Standards						
1) Pentafluorobenzene	7.965	168	566339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	1067394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	939458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	453443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	403320	47.854	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.700%		
35) Dibromofluoromethane	7.904	113	317637	45.220	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	90.440%		
50) Toluene-d8	10.325	98	1214709	45.958	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	91.920%		
62) 4-Bromofluorobenzene	12.617	95	444248	45.493	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	90.980%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	7666	11.825	ug/l #	68
16) Acetone	4.173	43	3762	1.428	ug/l #	78
20) Methylene Chloride	4.954	84	38935	4.134	ug/l	95
31) Cyclohexane	7.959	56	14994	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	53638	5.006	ug/l #	50
38) Carbon Tetrachloride	7.959	117	60671	6.095	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	224702	36.621	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	224702	86.133	ug/l #	10

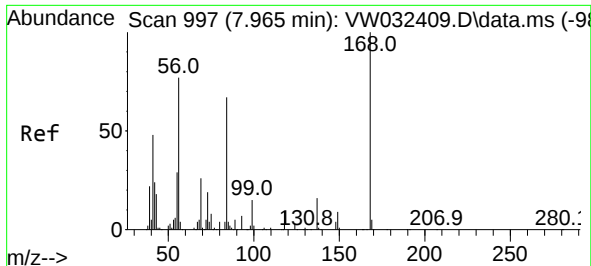
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120525\
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Quant Title : SW846 8260
QLast Update : Thu Dec 04 04:04:32 2025
Response via : Initial Calibration

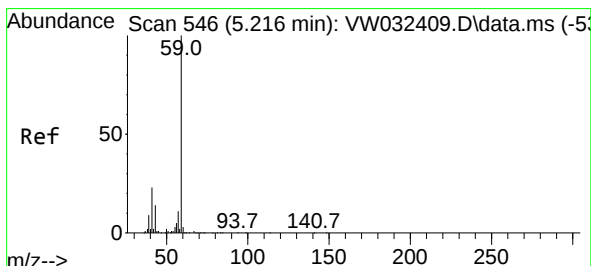
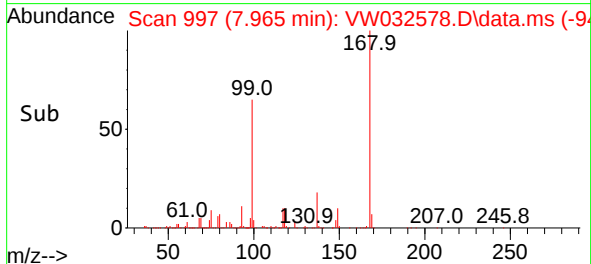
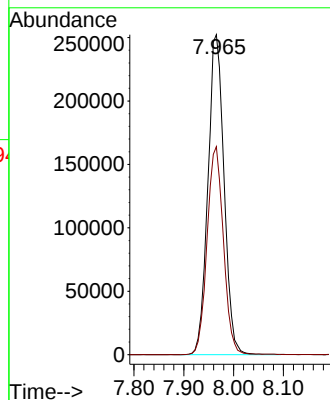
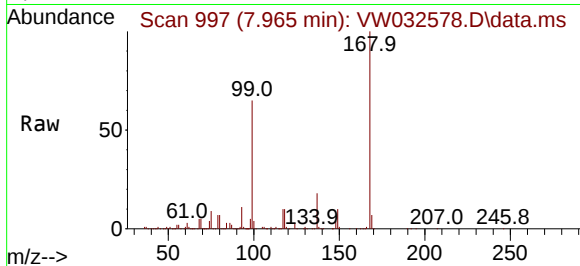




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

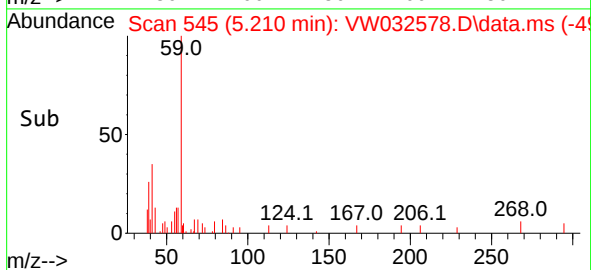
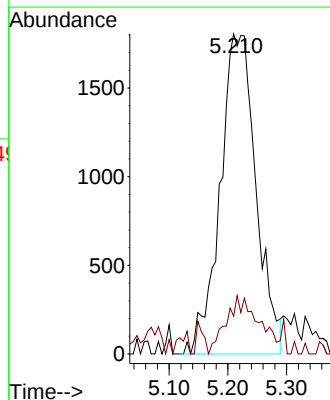
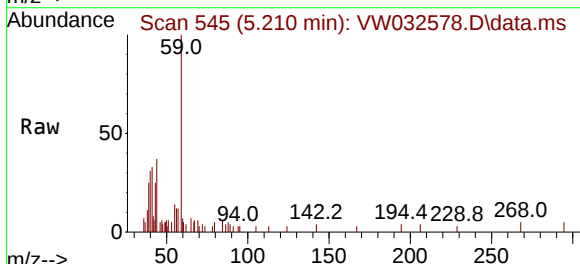
Instrument :
MSVOA_W
ClientSampleId :
SB4A

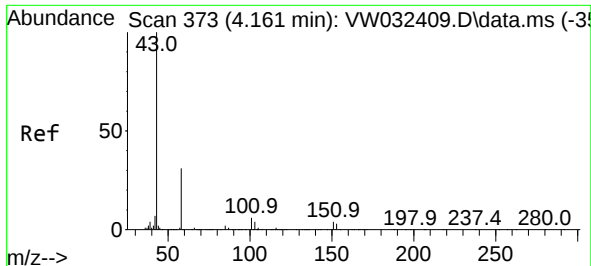
Tgt Ion:168 Resp: 566339
Ion Ratio Lower Upper
168 100
99 65.0 51.8 77.8



#11
Tert butyl alcohol
Concen: 11.825 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.000 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

Tgt Ion: 59 Resp: 7666
Ion Ratio Lower Upper
59 100
57 16.3 4.6 6.8#

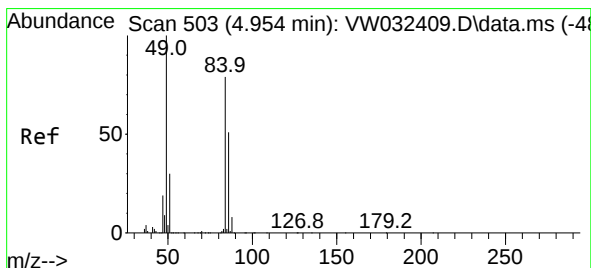
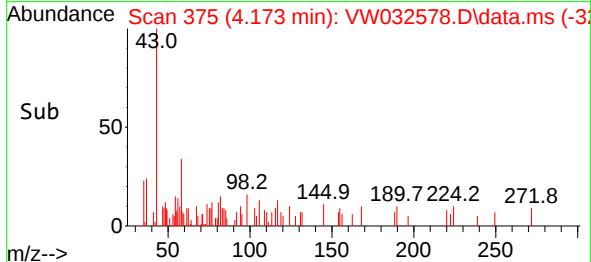
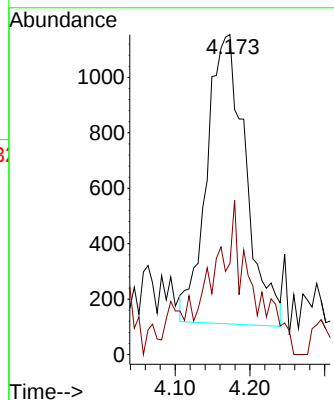
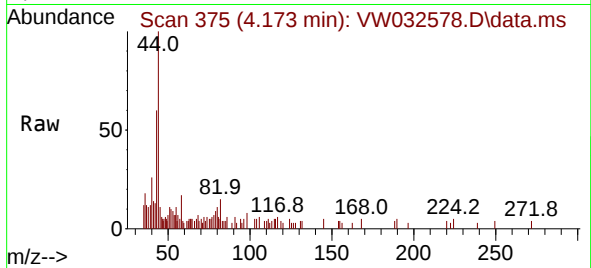




#16
Acetone
Concen: 1.428 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.012 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

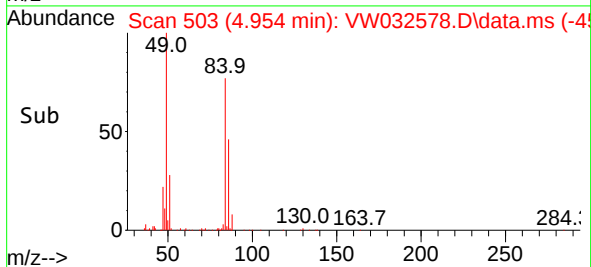
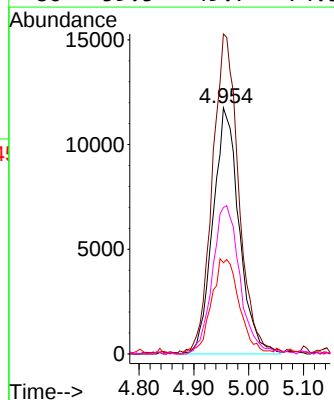
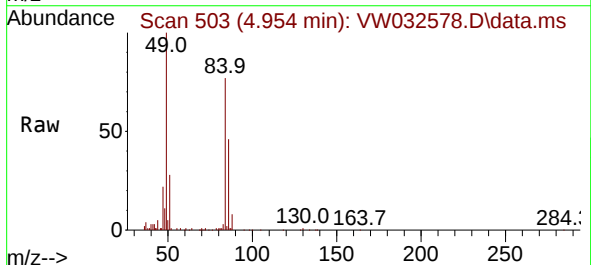
Instrument :
MSVOA_W
ClientSampleId :
SB4A

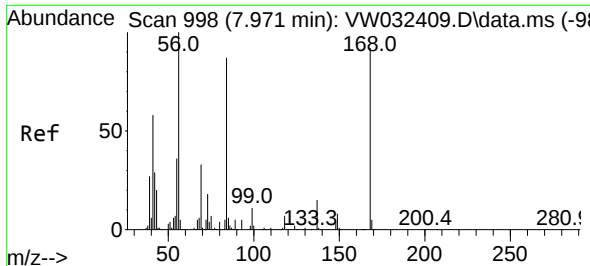
Tgt Ion: 43 Resp: 3762
Ion Ratio Lower Upper
43 100
58 17.8 23.5 35.3#



#20
Methylene Chloride
Concen: 4.134 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

Tgt Ion: 84 Resp: 38935
Ion Ratio Lower Upper
84 100
49 128.7 107.6 161.4
51 37.0 33.9 50.9
86 59.5 49.7 74.5

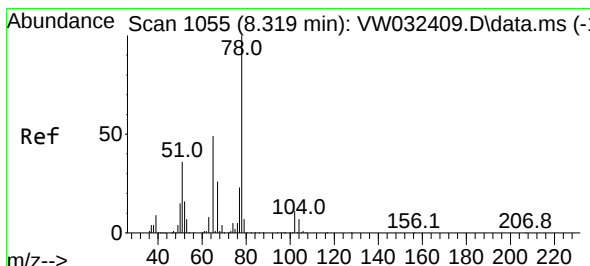
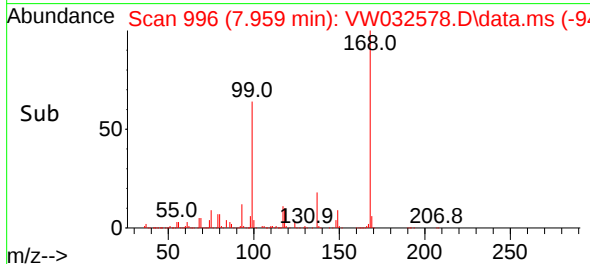
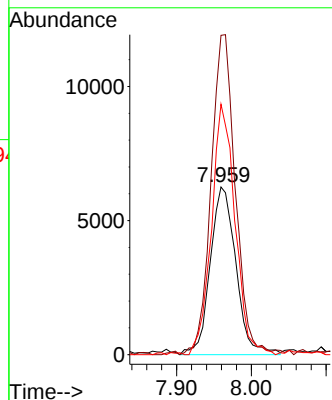
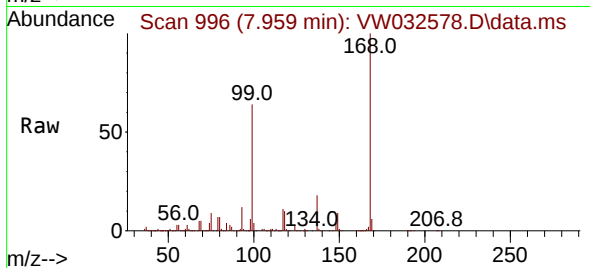




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

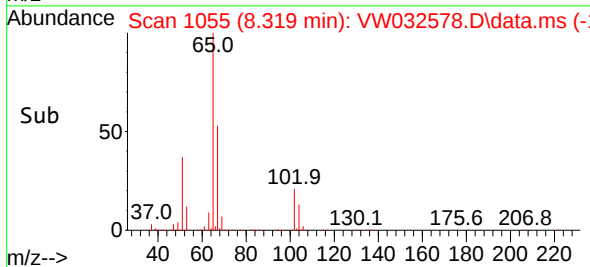
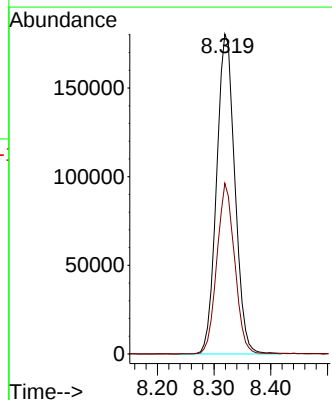
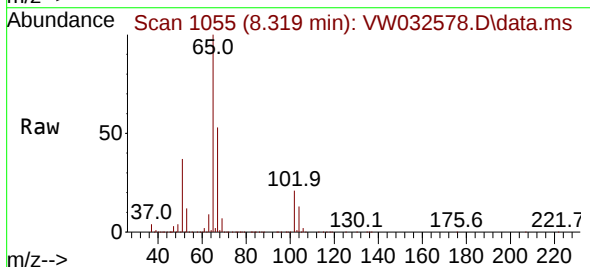
Instrument :
MSVOA_W
ClientSampleId :
SB4A

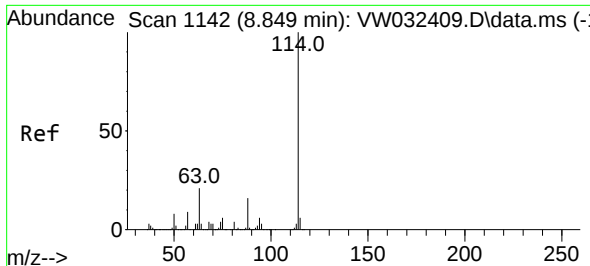
Tgt Ion: 56 Resp: 14994
Ion Ratio Lower Upper
56 100
69 192.9 27.3 40.9#
84 150.0 67.5 101.3#



#33
1,2-Dichloroethane-d4
Concen: 47.854 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

Tgt Ion: 65 Resp: 403320
Ion Ratio Lower Upper
65 100
67 51.8 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032578.D

Acq: 05 Dec 2025 14:27

Instrument :

MSVOA_W

ClientSampleId :

SB4A

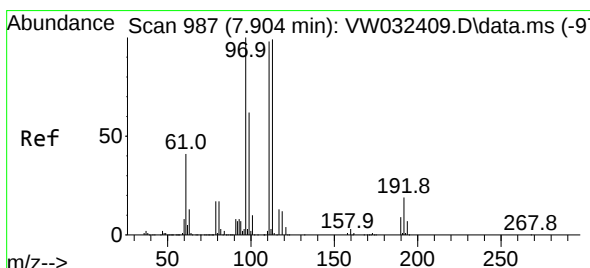
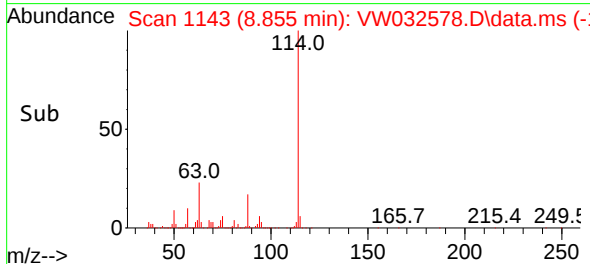
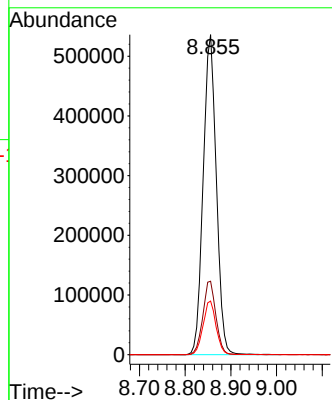
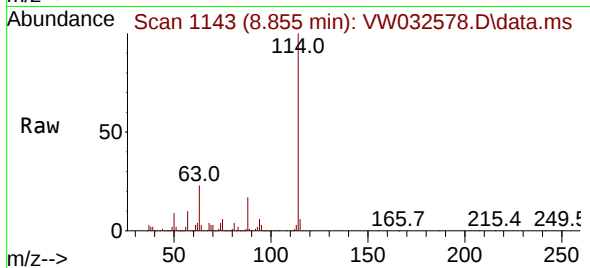
Tgt Ion:114 Resp: 1067394

Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.6

88 16.8 0.0 31.2



#35

Dibromofluoromethane

Concen: 45.220 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032578.D

Acq: 05 Dec 2025 14:27

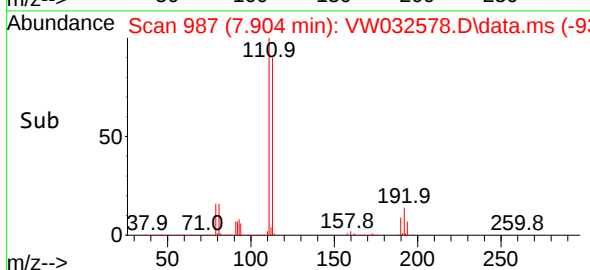
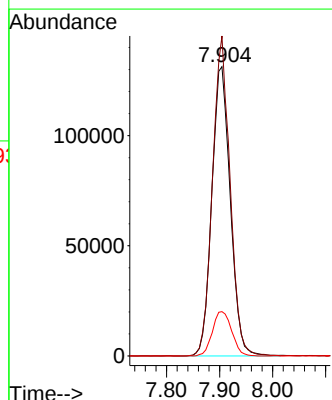
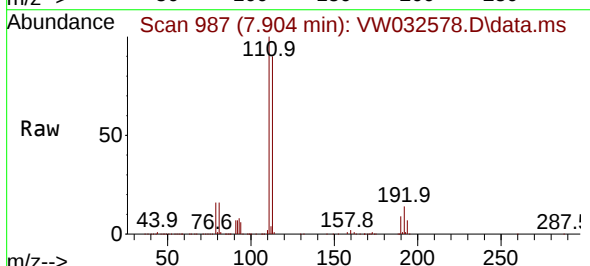
Tgt Ion:113 Resp: 317637

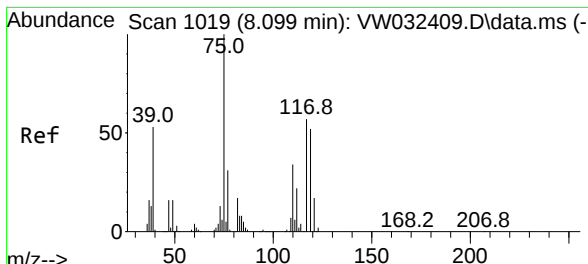
Ion Ratio Lower Upper

113 100

111 105.1 83.4 125.0

192 16.0 13.4 20.2

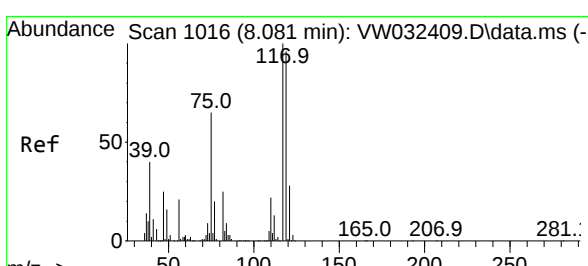
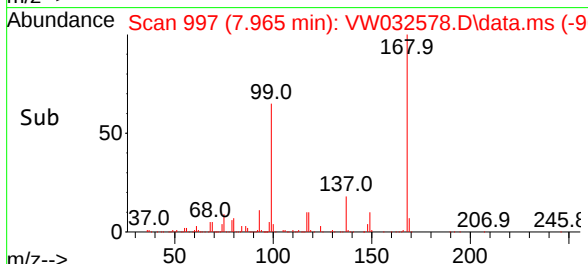
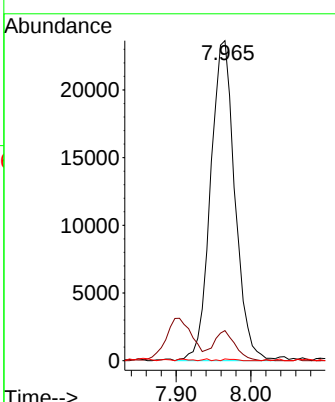
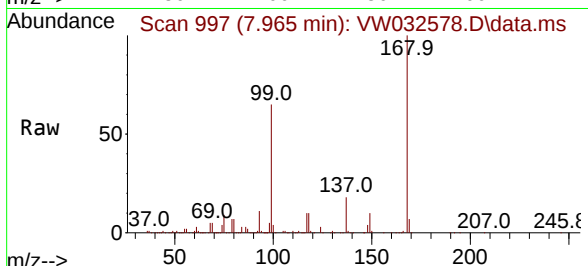




#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW032578.D
 Acq: 05 Dec 2025 14:27

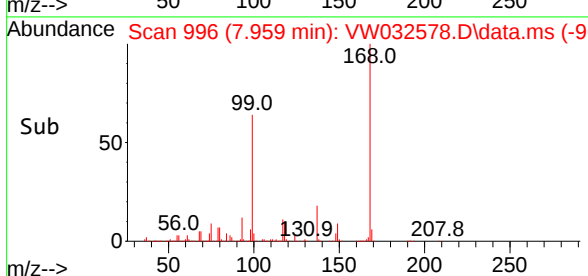
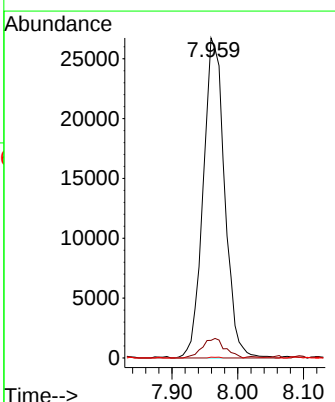
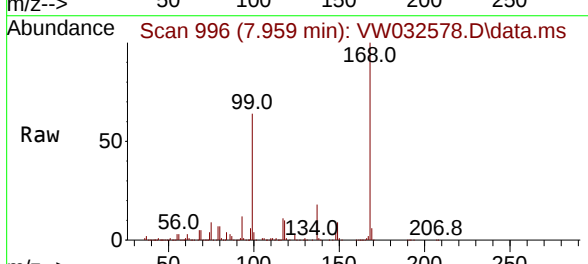
Instrument :
 MSVOA_W
 ClientSampleId :
 SB4A

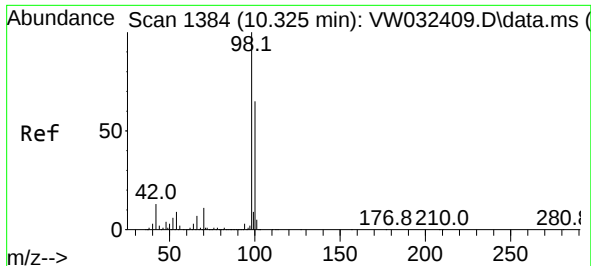
Tgt Ion:	75	Resp:	53638
Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.9	50.6#
77	0.2	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.095 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032578.D
 Acq: 05 Dec 2025 14:27

Tgt Ion:	117	Resp:	60671
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.9	115.3#
121	0.3	25.4	38.2#

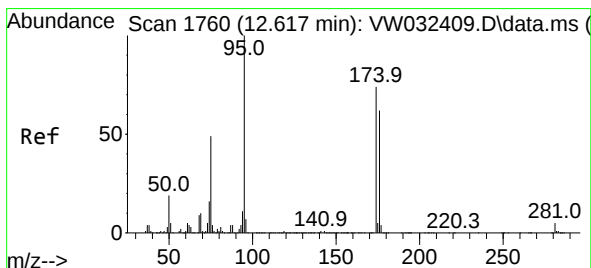
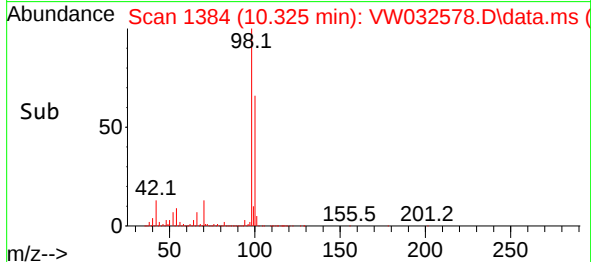
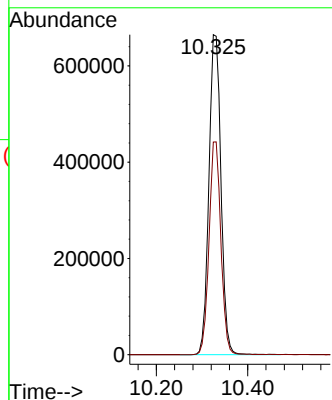
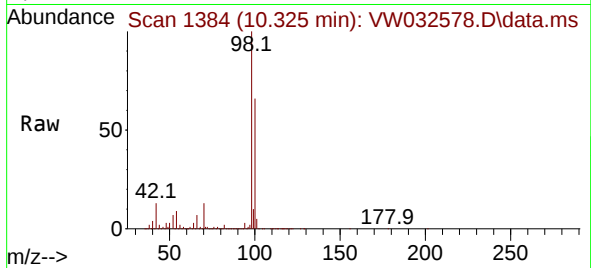




#50
Toluene-d8
Concen: 45.958 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

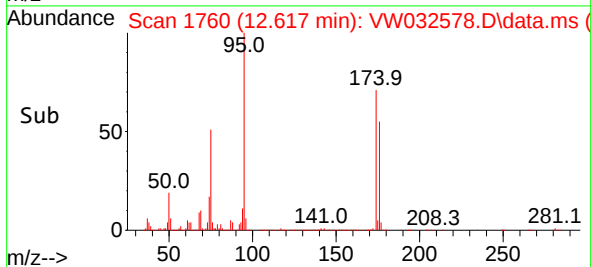
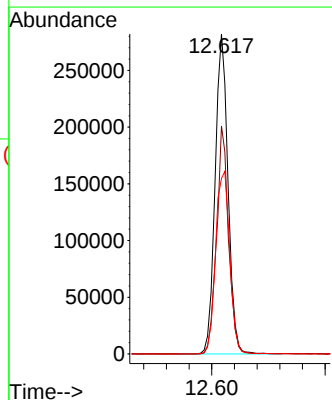
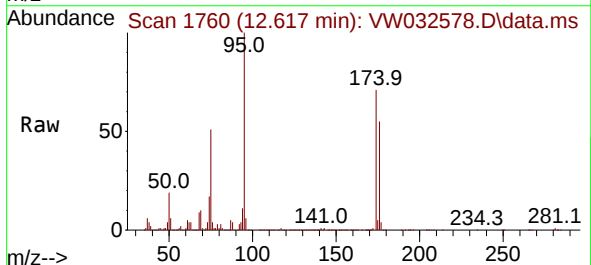
Instrument :
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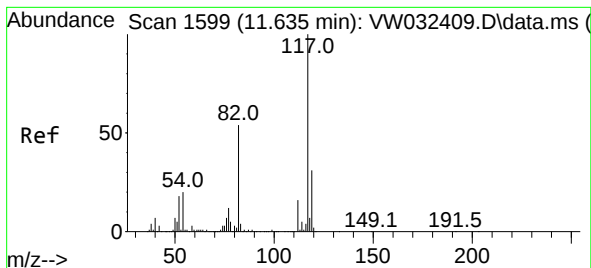
Tgt Ion: 98 Resp: 1214709
Ion Ratio Lower Upper
98 100
100 65.4 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 45.493 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

Tgt Ion: 95 Resp: 444248
Ion Ratio Lower Upper
95 100
174 66.2 0.0 141.2
176 62.9 0.0 130.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032578.D

Acq: 05 Dec 2025 14:27

Instrument :

MSVOA_W

ClientSampleId :

SB4A

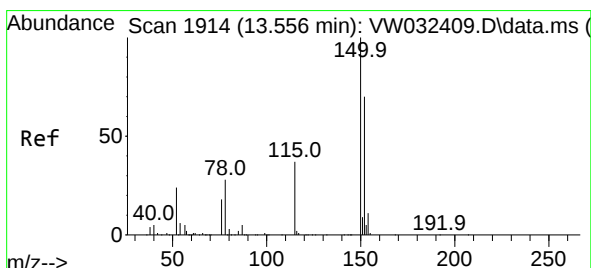
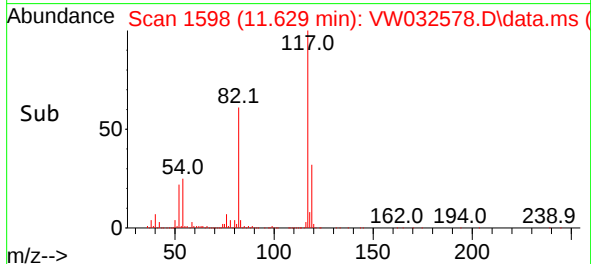
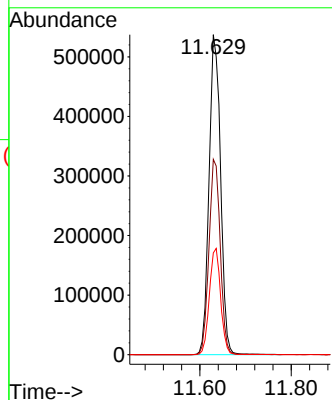
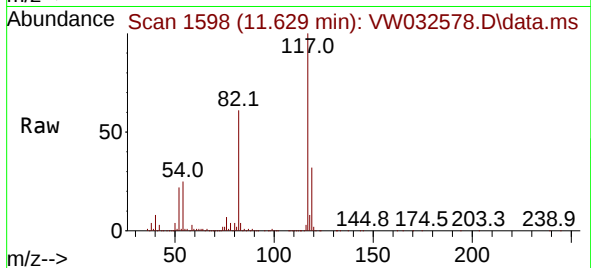
Tgt Ion:117 Resp: 939458

Ion Ratio Lower Upper

117 100

82 61.0 45.9 68.9

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032578.D

Acq: 05 Dec 2025 14:27

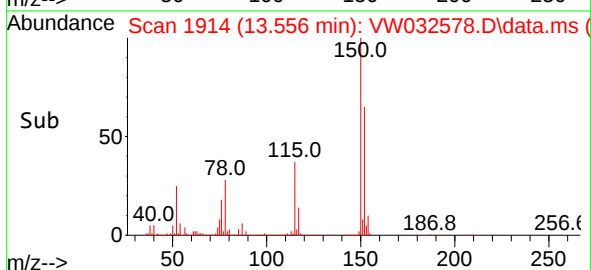
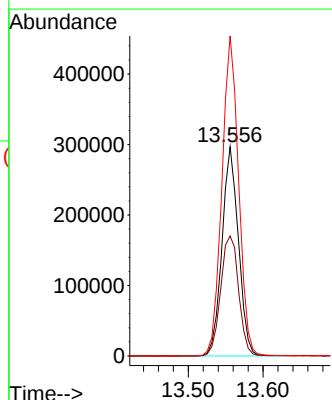
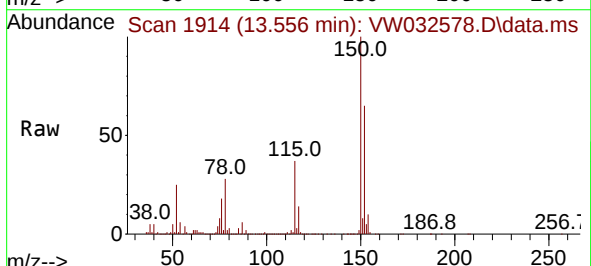
Tgt Ion:152 Resp: 453443

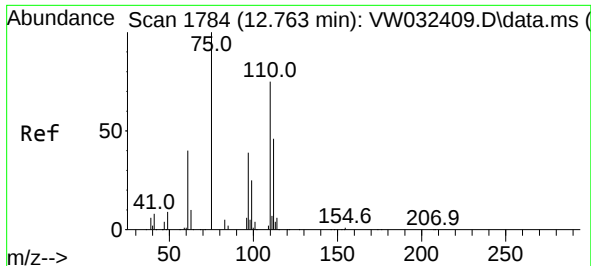
Ion Ratio Lower Upper

152 100

115 62.7 31.1 93.3

150 155.8 0.0 351.2

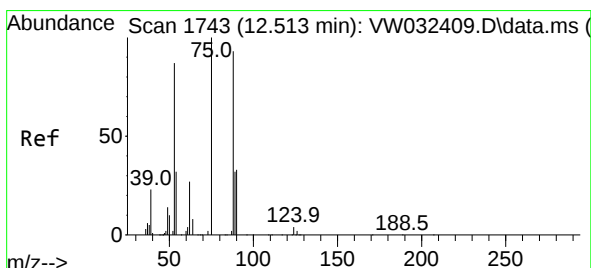
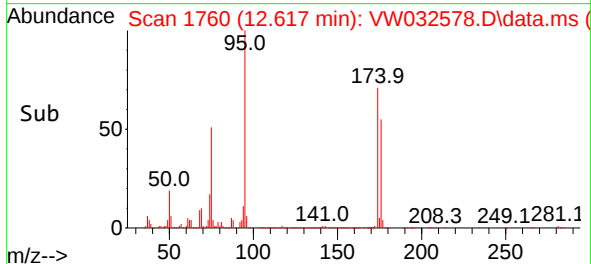
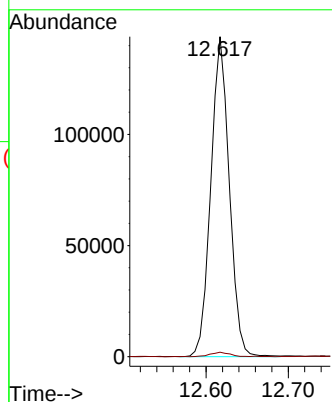
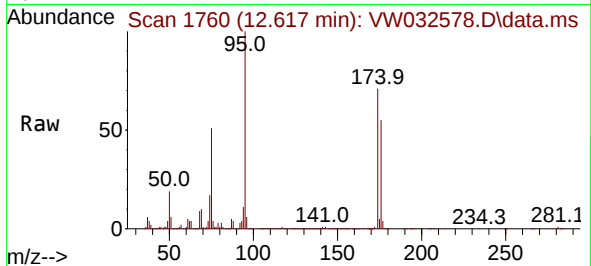




#76
1,2,3-Trichloropropane
Concen: 36.621 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

Instrument :
MSVOA_W
ClientSampleId :
SB4A

Tgt Ion: 75 Resp: 224702
Ion Ratio Lower Upper
75 100
77 1.6 148.2 444.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.133 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032578.D
Acq: 05 Dec 2025 14:27

Tgt Ion: 75 Resp: 224702
Ion Ratio Lower Upper
75 100
53 0.2 80.8 121.2#
89 0.0 31.4 47.2#

