

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020913.D
 Acq On : 23 Jan 2025 16:19
 Operator : SY/MD
 Sample : Q1169-05
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 24 00:18:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

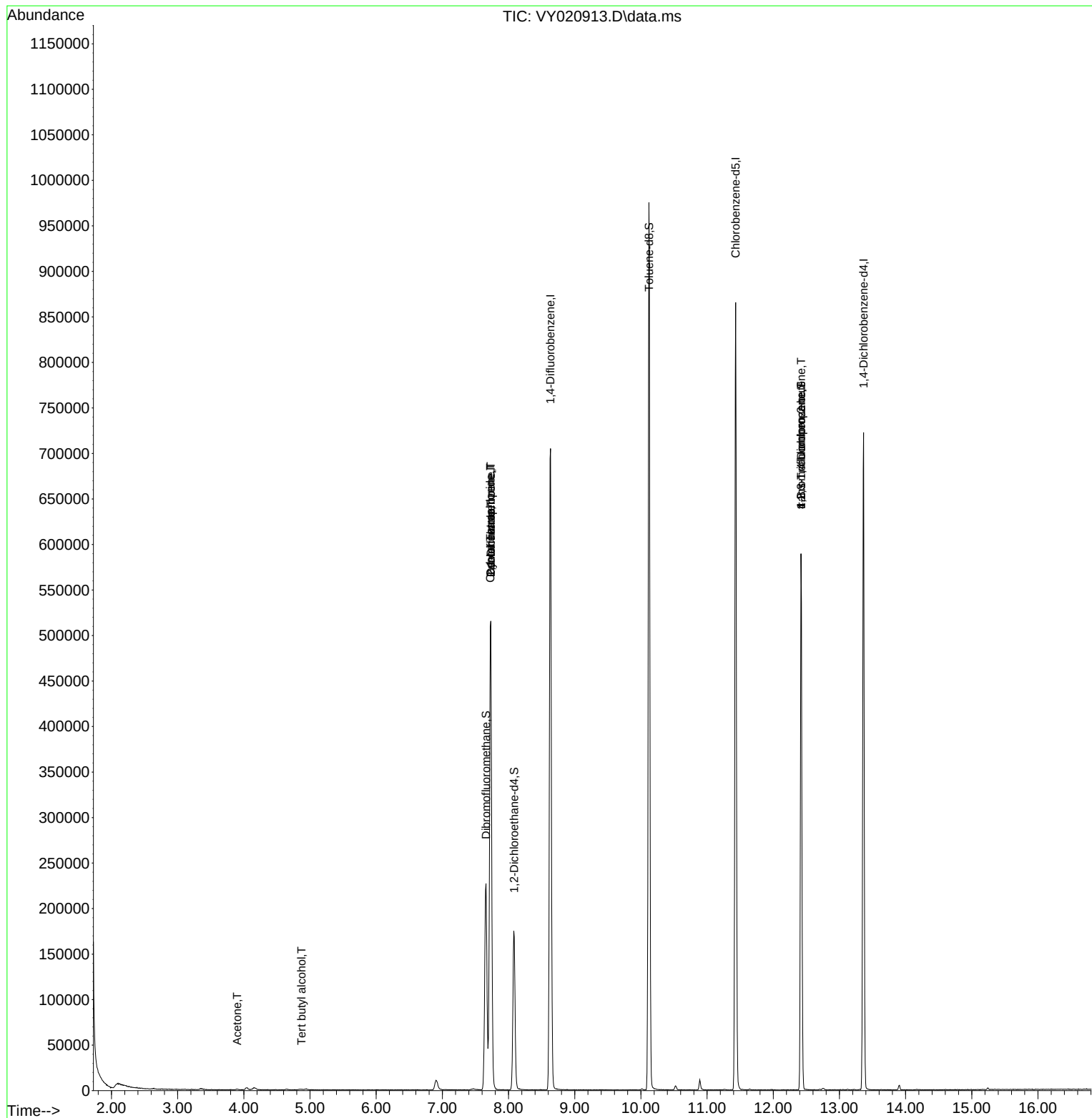
Internal Standards						
1) Pentafluorobenzene	7.732	168	423353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.634	114	634301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	481647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.365	152	194974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.085	65	141725	39.386	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.780%
35) Dibromofluoromethane	7.659	113	166327	41.855	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.720%
50) Toluene-d8	10.122	98	653873	47.201	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.400%
62) 4-Bromofluorobenzene	12.420	95	181960	35.569	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	71.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	687	2.527	ug/l #	73
16) Acetone	3.897	43	1401	2.738	ug/l #	76
31) Cyclohexane	7.732	56	7227	1.380	ug/l #	1
36) 1,1-Dichloropropene	7.732	75	28924	5.706	ug/l #	50
38) Carbon Tetrachloride	7.726	117	41928	5.943	ug/l #	16
76) 1,2,3-Trichloropropane	12.420	75	90668	53.147	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	90668	112.063	ug/l #	14

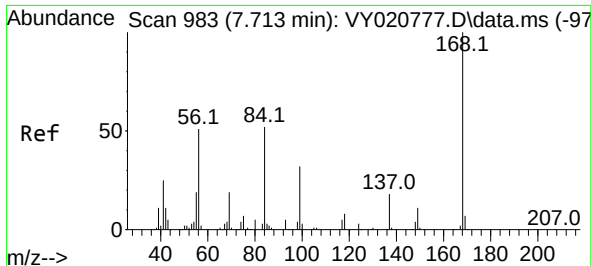
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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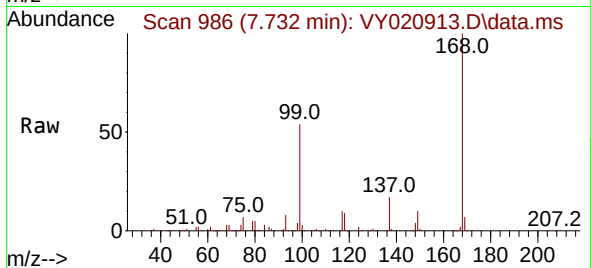
Quant Time: Jan 24 00:18:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 00:38:42 2025
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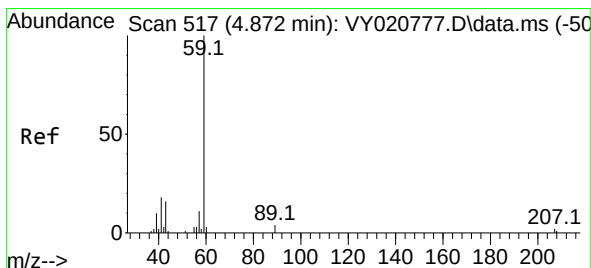
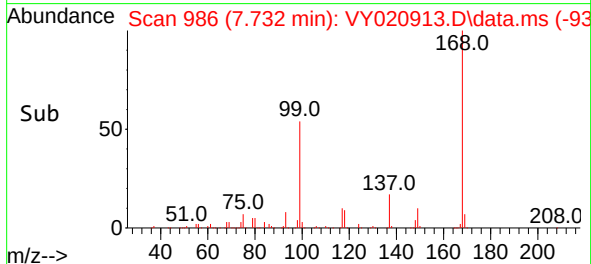
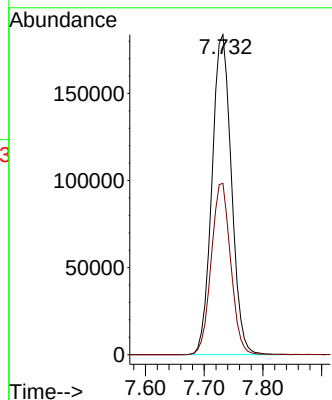


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.732 min Scan# 91
Delta R.T. -0.005 min
Lab File: VY020913.D
Acq: 23 Jan 2025 16:19

Instrument :
MSVOA_Y
ClientSampleId :

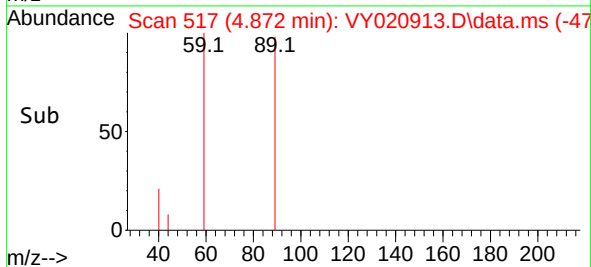
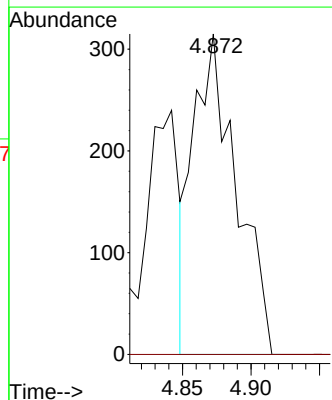
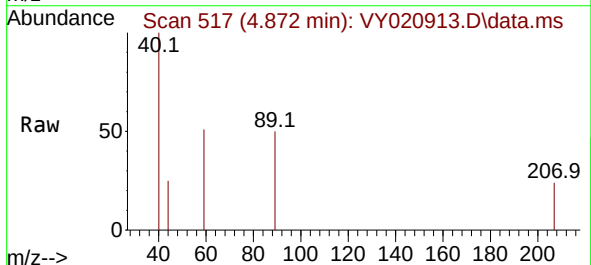


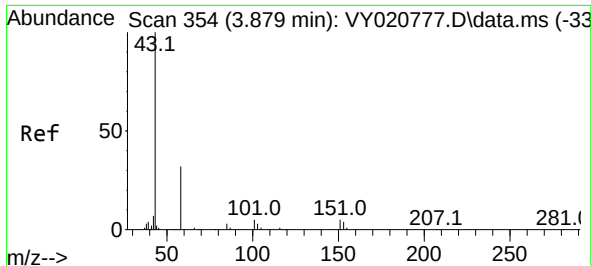
Tgt Ion:168 Resp: 423353
Ion Ratio Lower Upper
168 100
99 53.6 44.3 66.5



#11
Tert butyl alcohol
Concen: 2.527 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.054 min
Lab File: VY020913.D
Acq: 23 Jan 2025 16:19

Tgt Ion: 59 Resp: 687
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

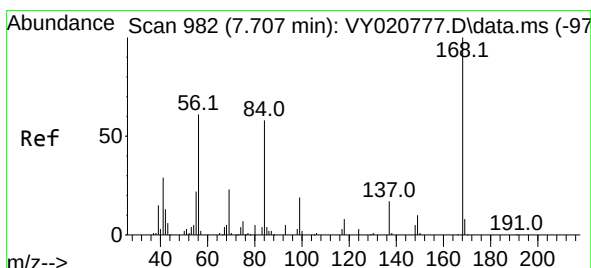
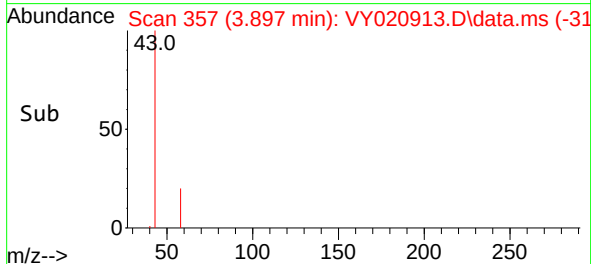
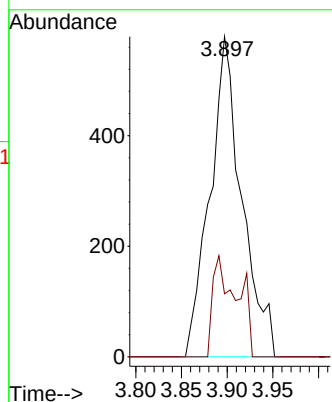
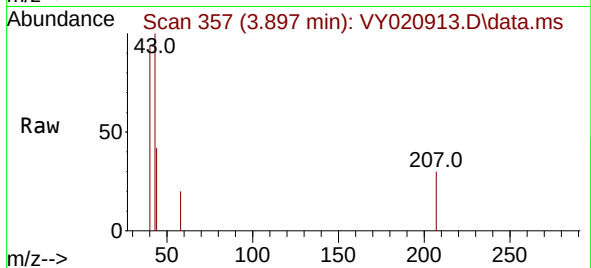




#16
Acetone
Concen: 2.738 ug/l
RT: 3.897 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY020913.D
Acq: 23 Jan 2025 16:19

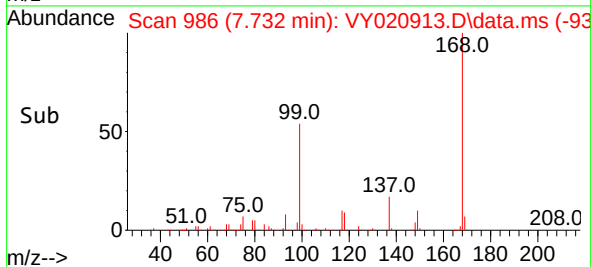
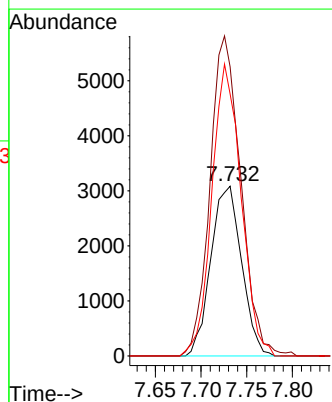
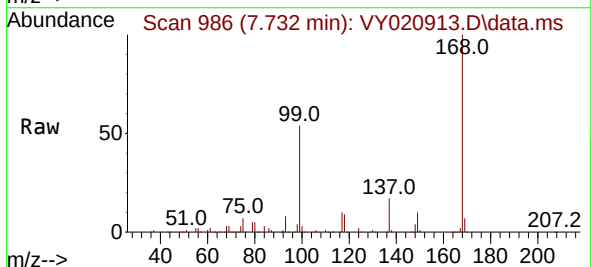
Instrument :
MSVOA_Y
ClientSampleId :

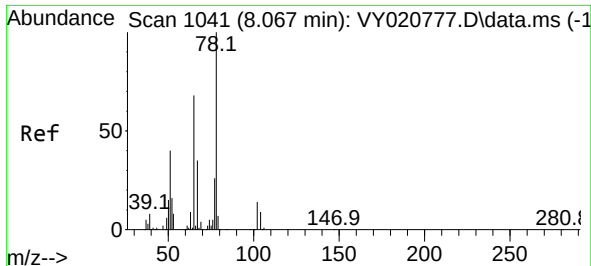
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
58 19.7 26.7 40.1#



#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.732 min Scan# 986
Delta R.T. -0.006 min
Lab File: VY020913.D
Acq: 23 Jan 2025 16:19

Tgt Ion: 56 Resp: 7227
Ion Ratio Lower Upper
56 100
69 170.3 30.5 45.7#
84 154.2 76.6 115.0#





#33

1,2-Dichloroethane-d4

Concen: 39.386 ug/l

RT: 8.085 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY020913.D

Acq: 23 Jan 2025 16:19

Instrument :

MSVOA_Y

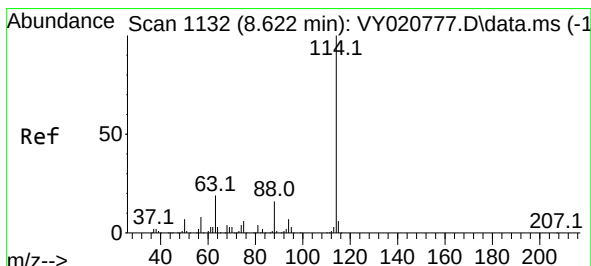
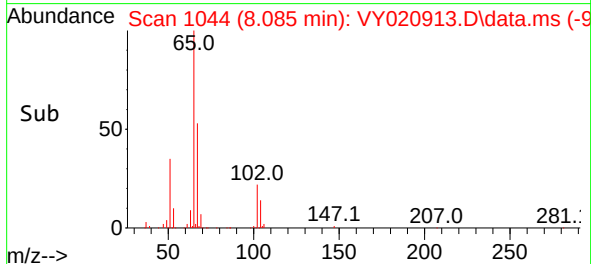
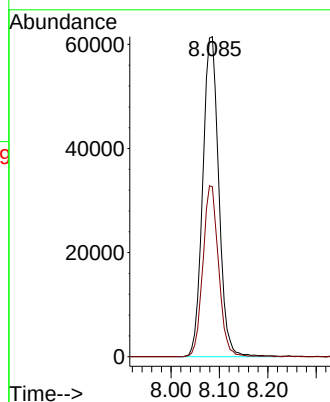
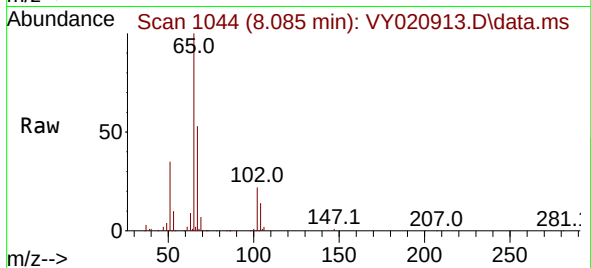
ClientSampleId :

Tgt Ion: 65 Resp: 141725

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.634 min Scan# 1134

Delta R.T. -0.006 min

Lab File: VY020913.D

Acq: 23 Jan 2025 16:19

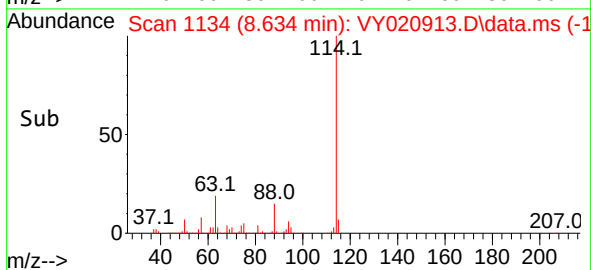
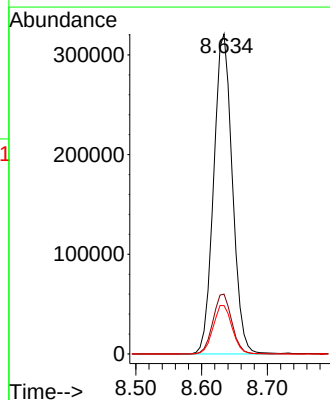
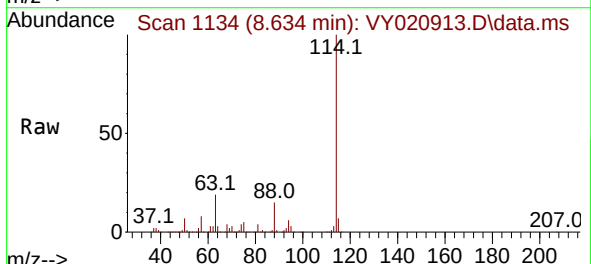
Tgt Ion: 114 Resp: 634301

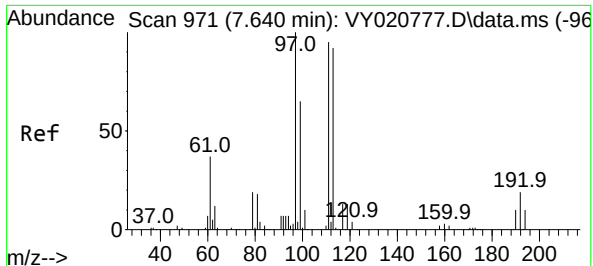
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

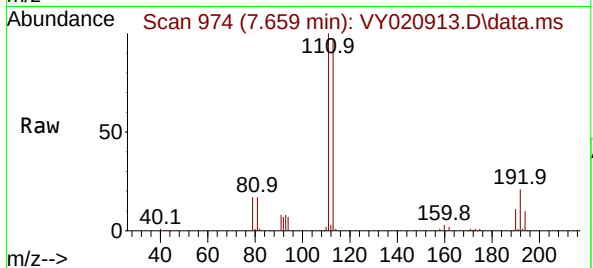
88 15.1 0.0 31.2



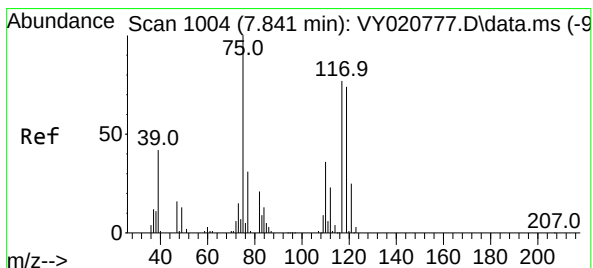
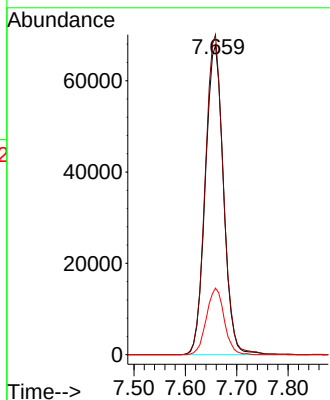
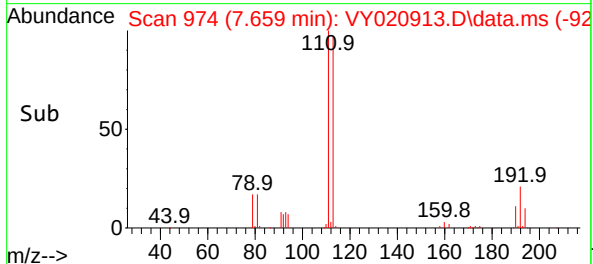


#35
Dibromofluoromethane
Concen: 41.855 ug/l
RT: 7.659 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020913.D
Acq: 23 Jan 2025 16:19

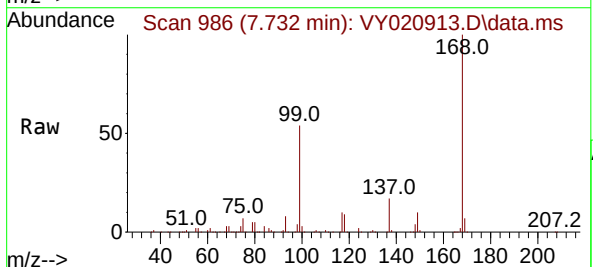
Instrument :
MSVOA_Y
ClientSampleId :



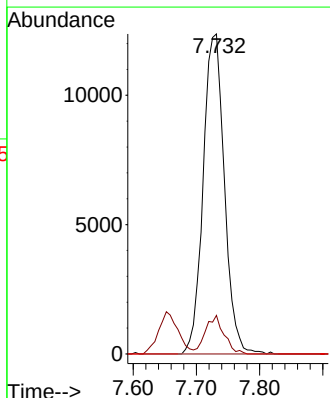
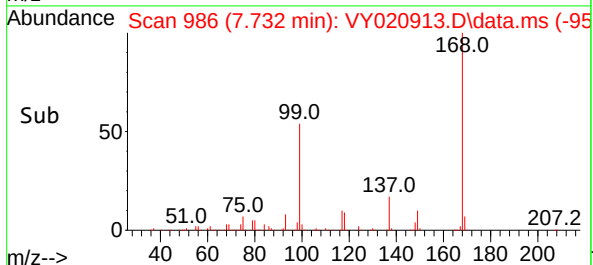
Tgt Ion:113 Resp: 166327
Ion Ratio Lower Upper
113 100
111 102.8 81.7 122.5
192 21.1 16.7 25.1

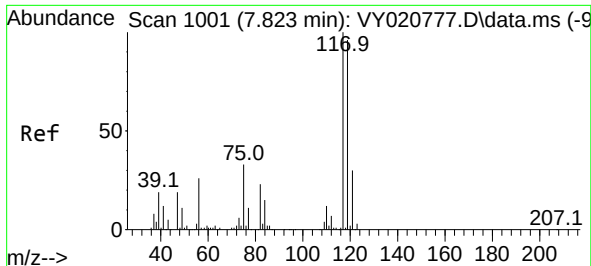


#36
1,1-Dichloropropene
Concen: 5.706 ug/l
RT: 7.732 min Scan# 986
Delta R.T. -0.134 min
Lab File: VY020913.D
Acq: 23 Jan 2025 16:19



Tgt Ion: 75 Resp: 28924
Ion Ratio Lower Upper
75 100
110 10.5 18.5 55.5#
77 0.0 25.0 37.4#

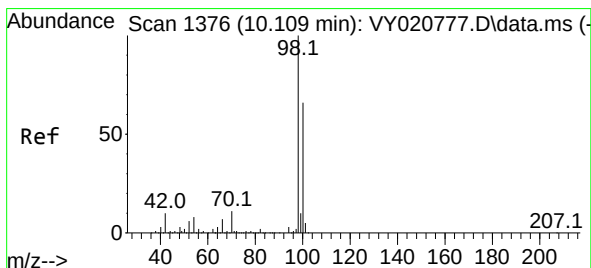
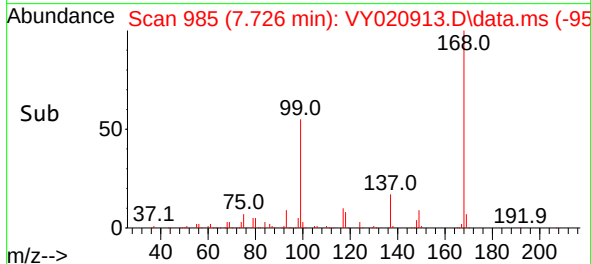
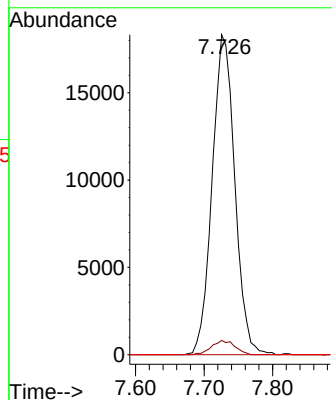
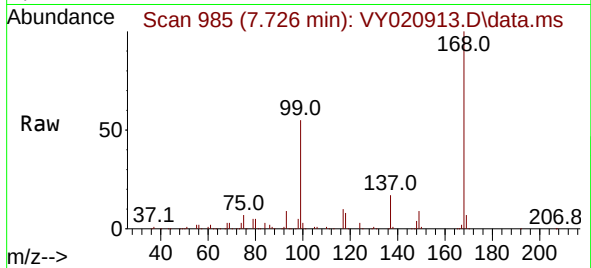




#38
Carbon Tetrachloride
Concen: 5.943 ug/l
RT: 7.726 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY020913.D
Acq: 23 Jan 2025 16:19

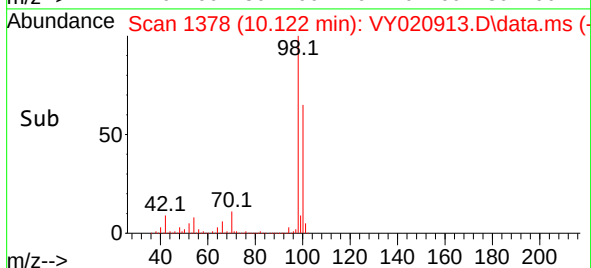
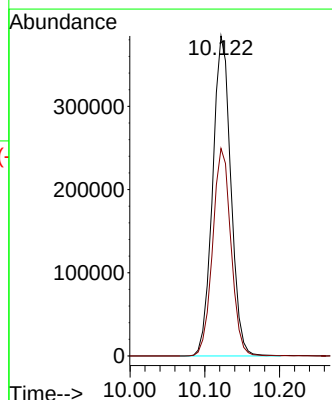
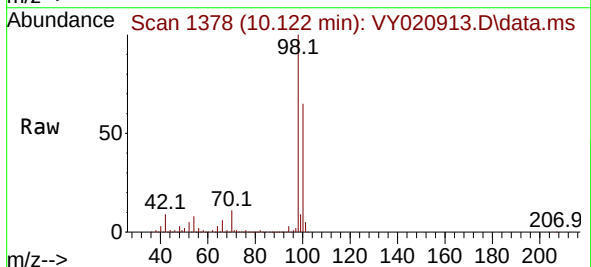
Instrument :
MSVOA_Y
ClientSampleId :

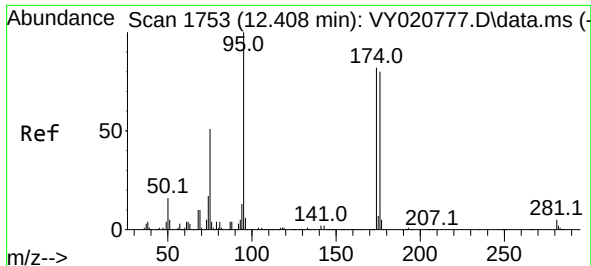
Tgt Ion:117 Resp: 41928
Ion Ratio Lower Upper
117 100
119 4.5 76.5 114.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 47.201 ug/l
RT: 10.122 min Scan# 1378
Delta R.T. -0.012 min
Lab File: VY020913.D
Acq: 23 Jan 2025 16:19

Tgt Ion: 98 Resp: 653873
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 35.569 ug/l

RT: 12.420 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020913.D

Acq: 23 Jan 2025 16:19

Instrument :

MSVOA_Y

ClientSampleId :

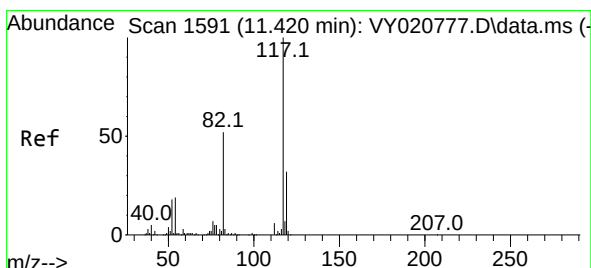
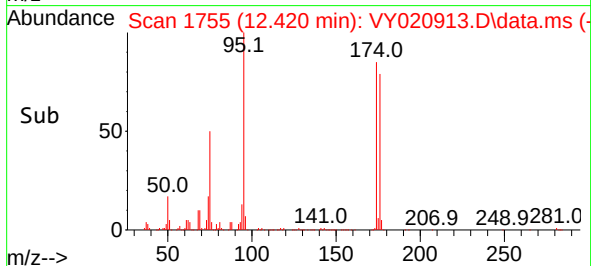
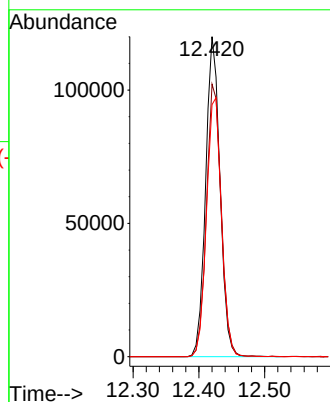
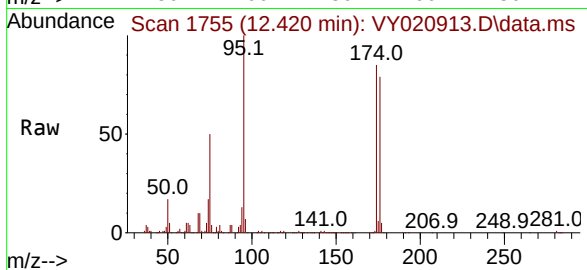
Tgt Ion: 95 Resp: 181960

Ion Ratio Lower Upper

95 100

174 87.9 0.0 178.0

176 84.6 0.0 172.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.432 min Scan# 1593

Delta R.T. -0.006 min

Lab File: VY020913.D

Acq: 23 Jan 2025 16:19

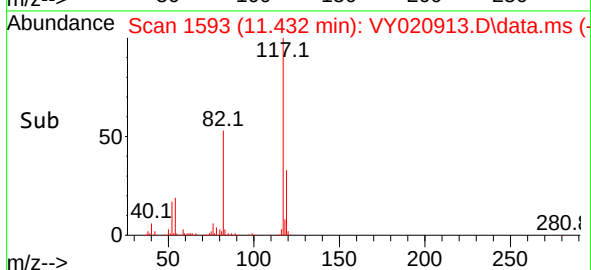
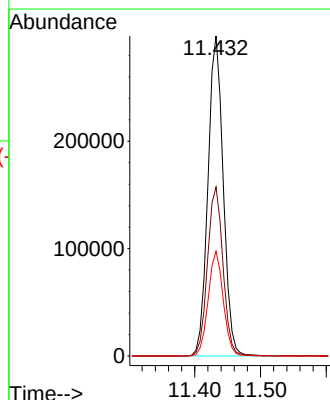
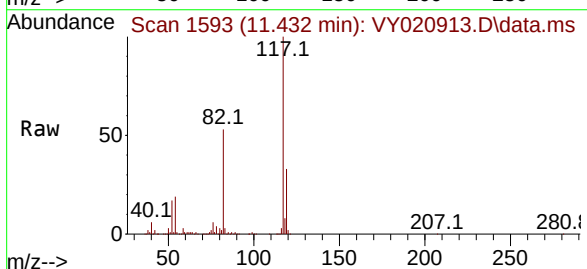
Tgt Ion: 117 Resp: 481647

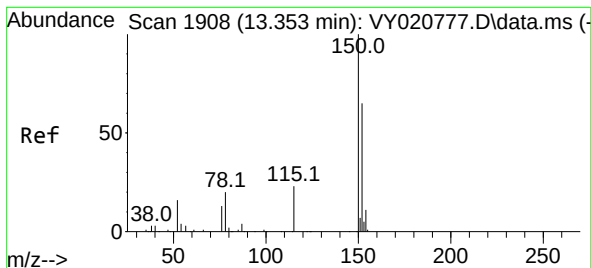
Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.6

119 32.7 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.365 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY020913.D

Acq: 23 Jan 2025 16:19

Instrument :

MSVOA_Y

ClientSampleId :

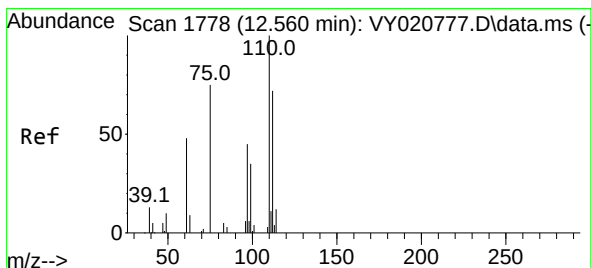
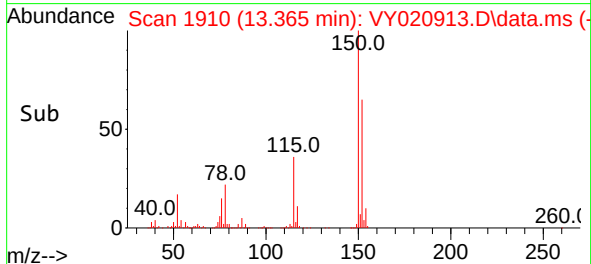
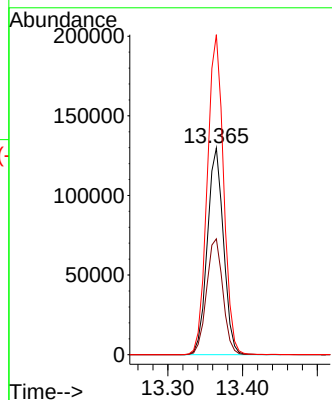
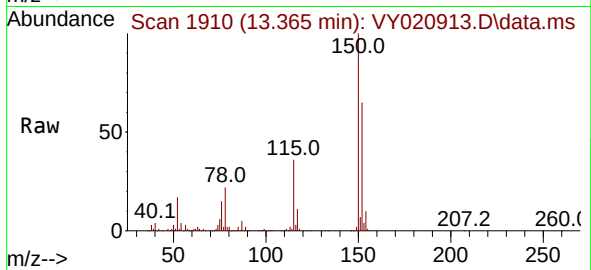
Tgt Ion:152 Resp: 194974

Ion Ratio Lower Upper

152 100

115 56.9 29.0 87.0

150 156.4 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 53.147 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. -0.158 min

Lab File: VY020913.D

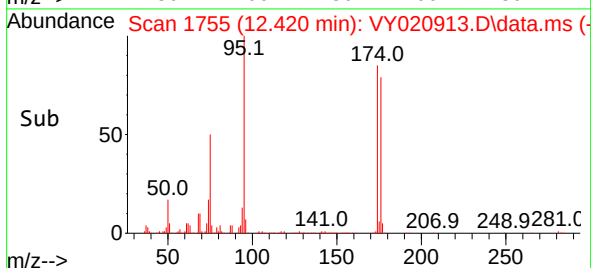
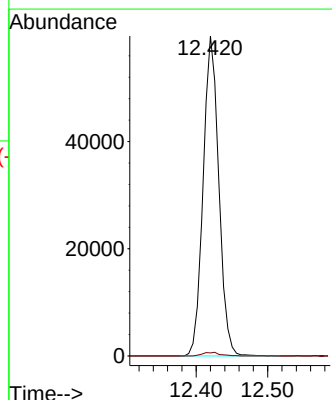
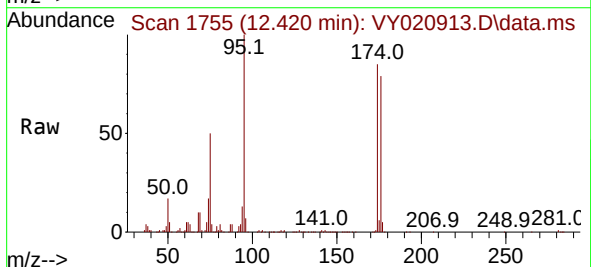
Acq: 23 Jan 2025 16:19

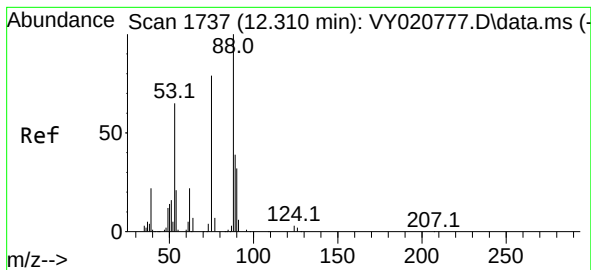
Tgt Ion: 75 Resp: 90668

Ion Ratio Lower Upper

75 100

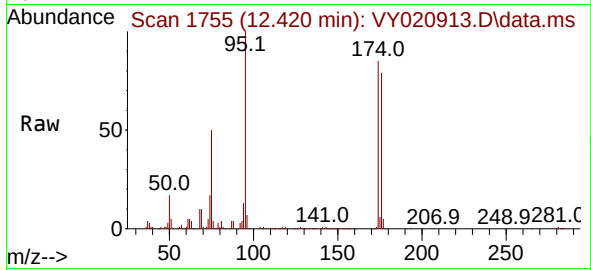
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.063 ug/l
 RT: 12.420 min Scan# 11
 Delta R.T. 0.092 min
 Lab File: VY020913.D
 Acq: 23 Jan 2025 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	69.4	104.0#
89	0.0	39.6	59.4#

