

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022057.D
 Acq On : 29 Apr 2025 15:30
 Operator : SY/MD
 Sample : Q1906-07
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5-VOC

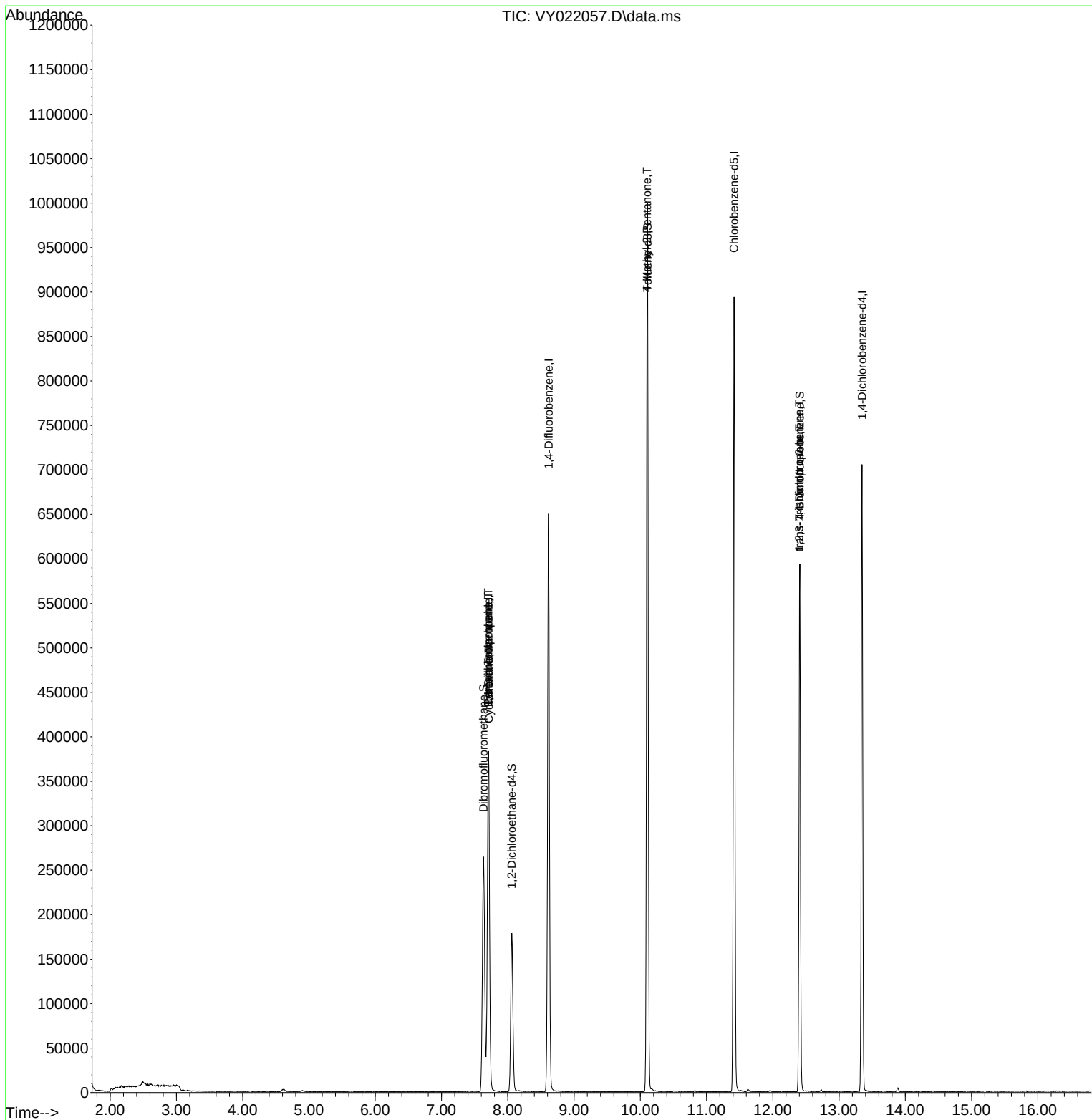
Quant Time: Apr 30 01:34:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

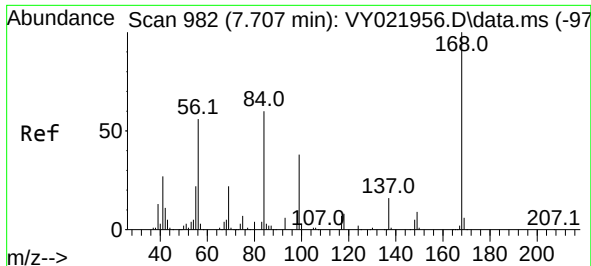
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	303348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	573841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	507934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	188168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	140874	50.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.560%	
35) Dibromofluoromethane	7.634	113	189330	49.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.880%	
50) Toluene-d8	10.109	98	685875	47.989	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.980%	
62) 4-Bromofluorobenzene	12.408	95	183842	38.210	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.420%	
Target Compounds						
					Qvalue	
16) Acetone	3.897	43	20	Below Cal	#	41
31) Cyclohexane	7.713	56	5498	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	21404	4.203	ug/l #	47
38) Carbon Tetrachloride	7.707	117	29514	4.850	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2322	1.261	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	88317	54.796	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	88317	131.956	ug/l #	16

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

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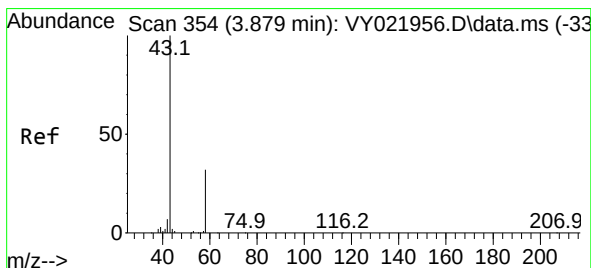
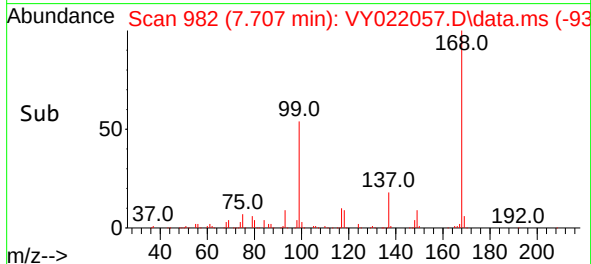
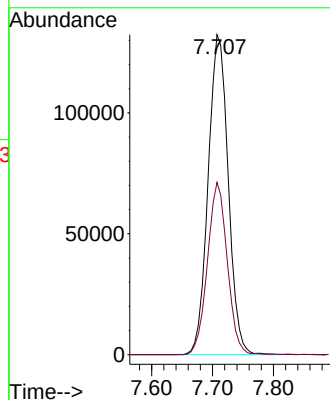
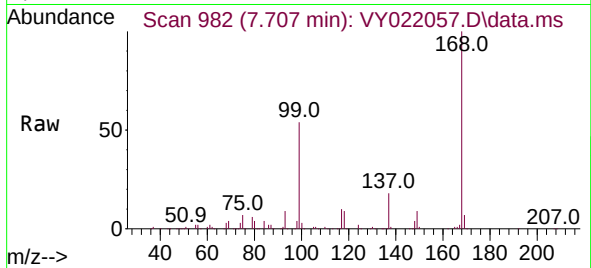




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022057.D
Acq: 29 Apr 2025 15:30

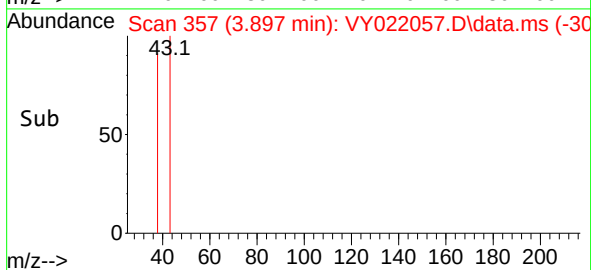
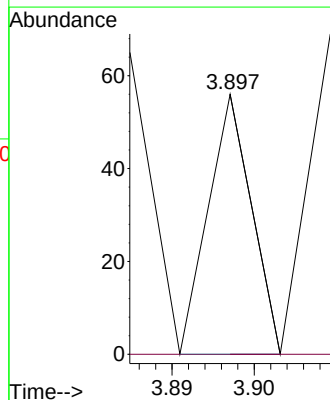
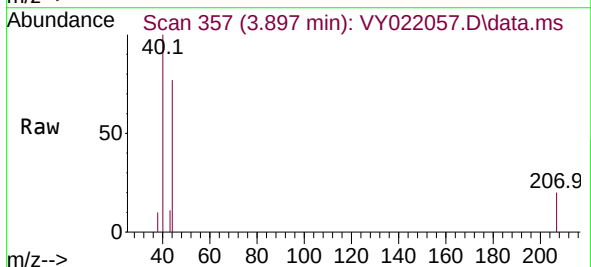
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

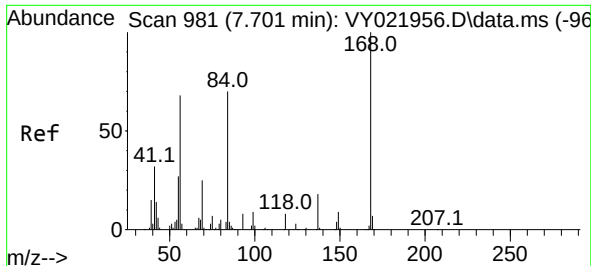
Tgt Ion:168 Resp: 303348
Ion Ratio Lower Upper
168 100
99 53.8 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY022057.D
Acq: 29 Apr 2025 15:30

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

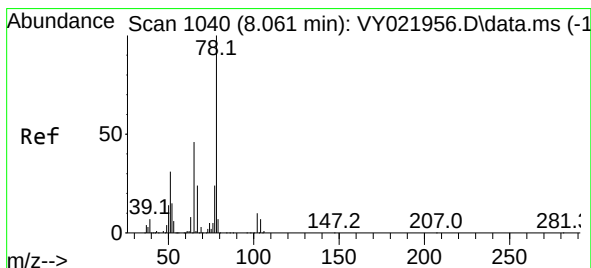
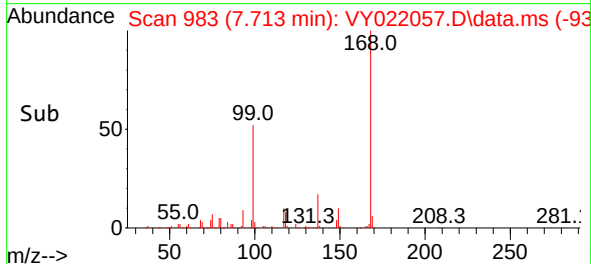
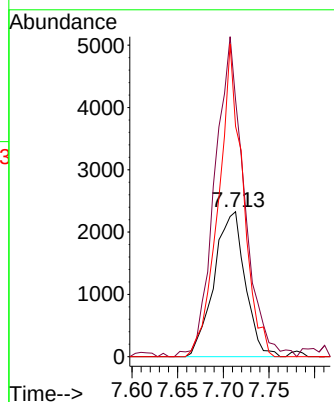
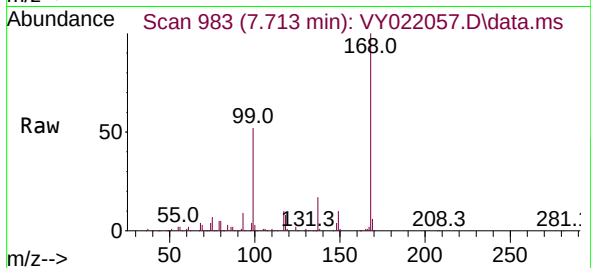




#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022057.D
Acq: 29 Apr 2025 15:30

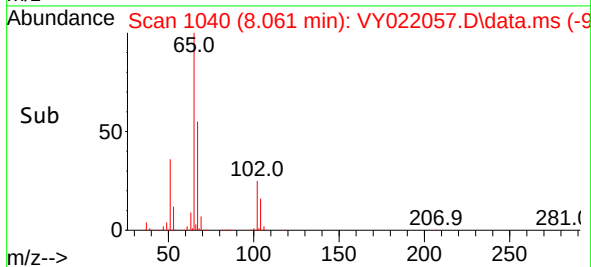
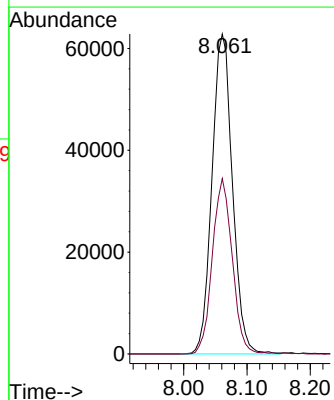
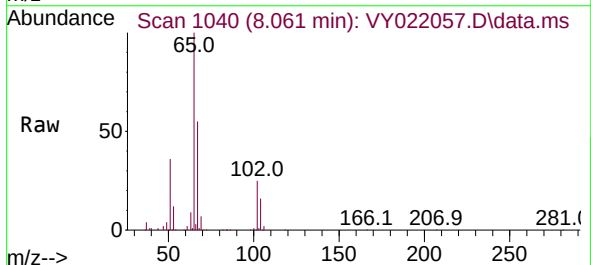
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

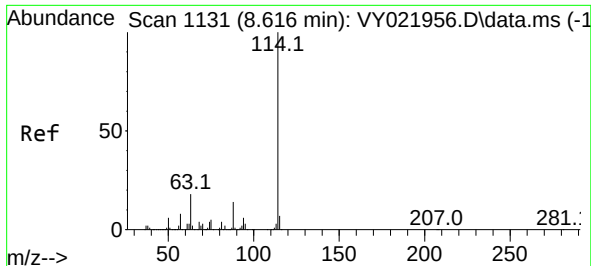
Tgt Ion: 56 Resp: 5498
Ion Ratio Lower Upper
56 100
69 173.6 29.4 44.2#
84 159.0 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 50.277 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022057.D
Acq: 29 Apr 2025 15:30

Tgt Ion: 65 Resp: 140874
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.8

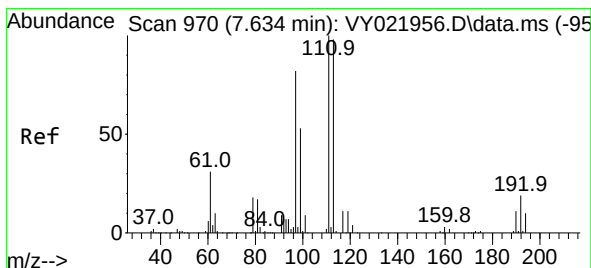
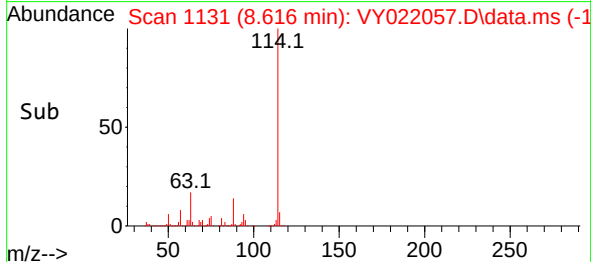
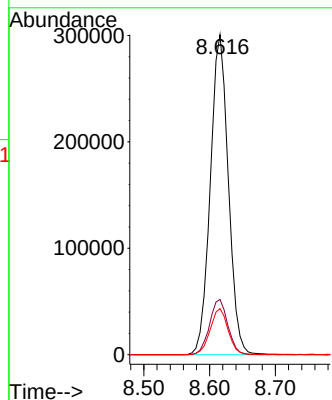
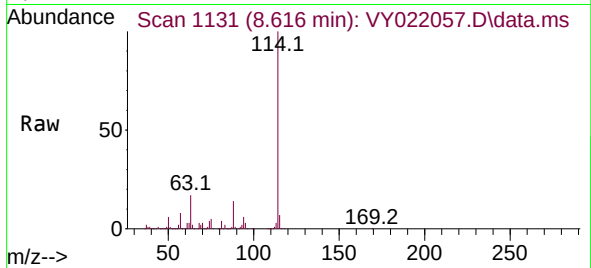




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022057.D
Acq: 29 Apr 2025 15:30

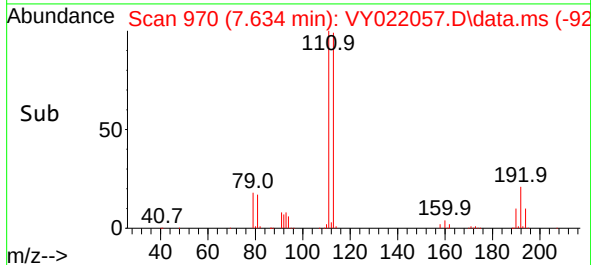
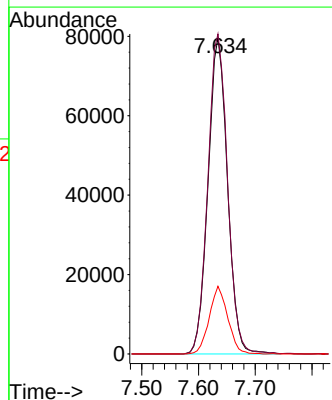
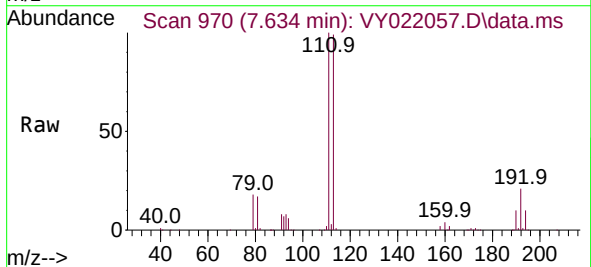
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

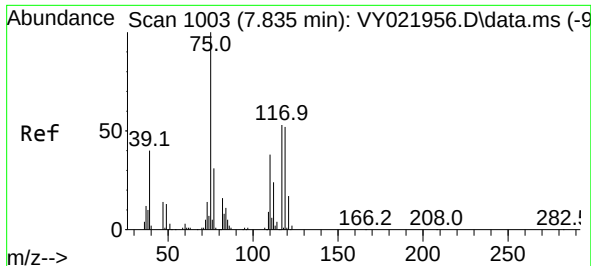
Tgt Ion:114 Resp: 573841
Ion Ratio Lower Upper
114 100
63 17.3 0.0 35.4
88 14.4 0.0 28.2



#35
Dibromofluoromethane
Concen: 49.941 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022057.D
Acq: 29 Apr 2025 15:30

Tgt Ion:113 Resp: 189330
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 20.4 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.203 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022057.D

Acq: 29 Apr 2025 15:30

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC

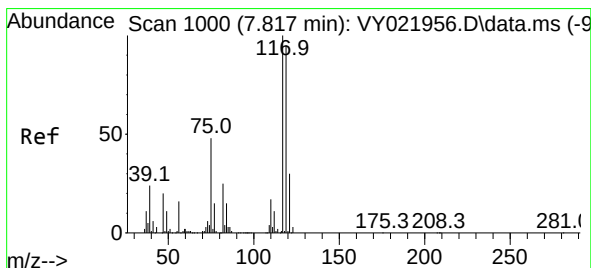
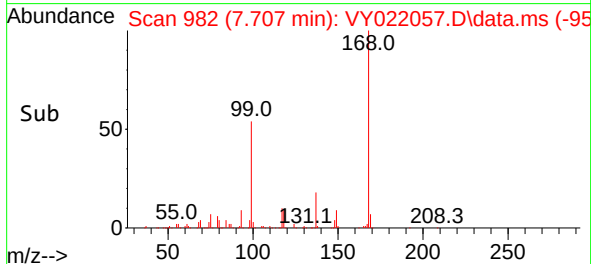
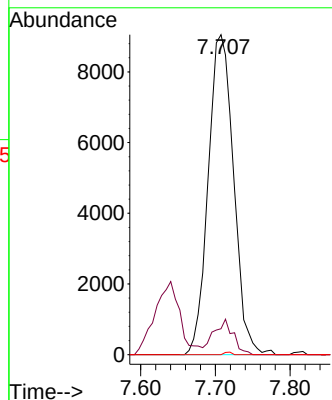
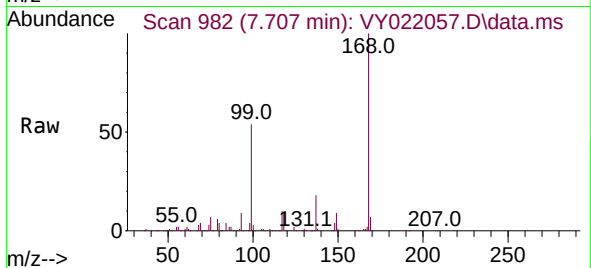
Tgt Ion: 75 Resp: 21404

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.3#

77 0.2 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.850 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022057.D

Acq: 29 Apr 2025 15:30

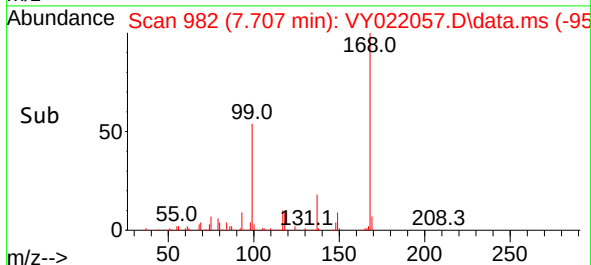
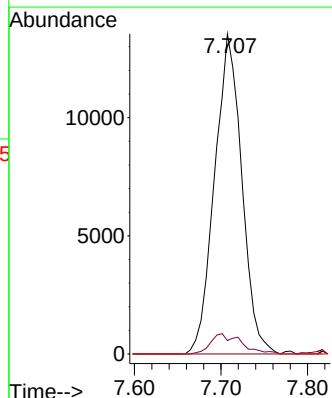
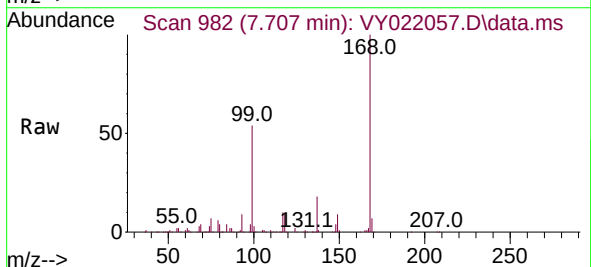
Tgt Ion: 117 Resp: 29514

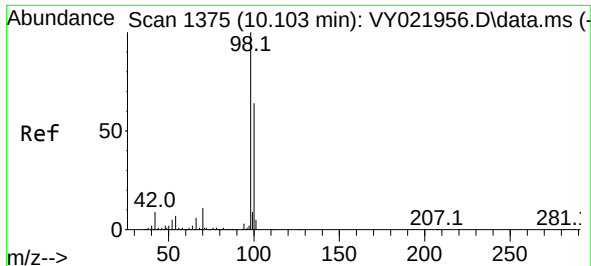
Ion Ratio Lower Upper

117 100

119 4.2 76.2 114.4#

121 0.0 24.0 36.0#

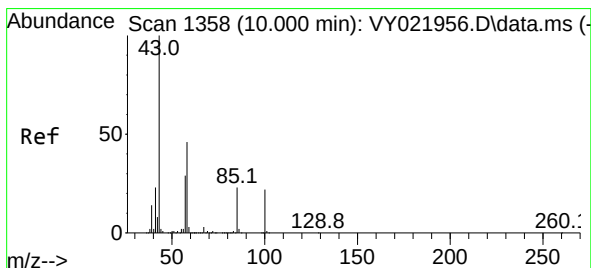
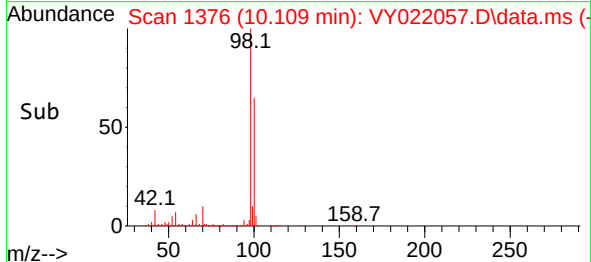
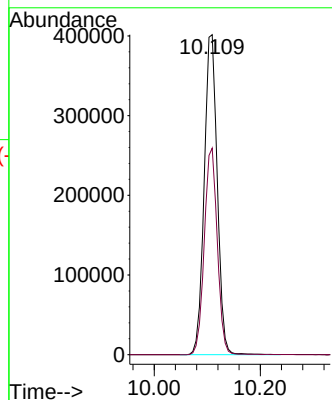
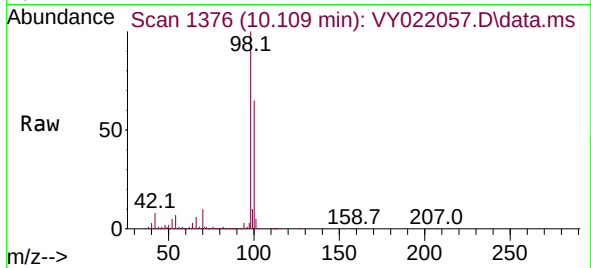




#50
Toluene-d8
Concen: 47.989 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022057.D
Acq: 29 Apr 2025 15:30

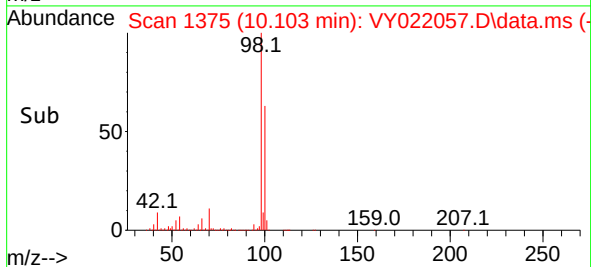
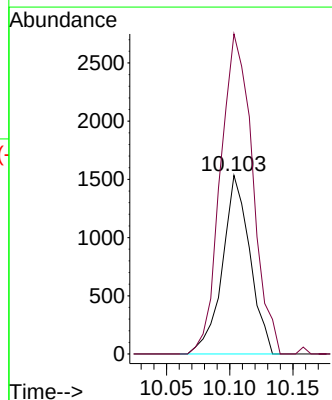
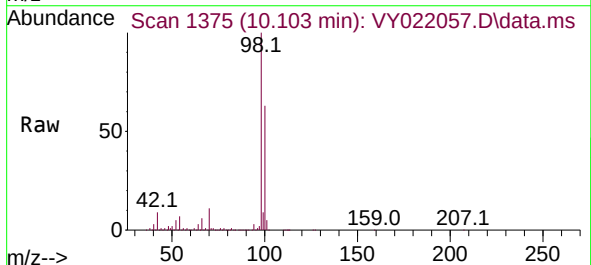
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

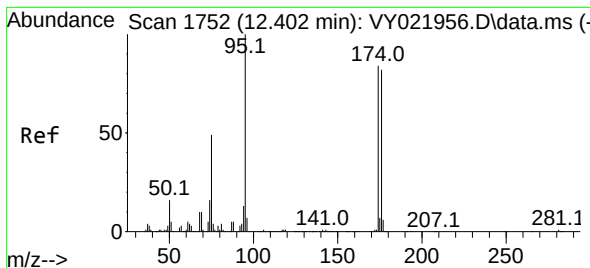
Tgt Ion: 98 Resp: 685875
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.261 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022057.D
Acq: 29 Apr 2025 15:30

Tgt Ion: 43 Resp: 2322
Ion Ratio Lower Upper
43 100
58 208.7 36.6 55.0#





#62

4-Bromofluorobenzene

Concen: 38.210 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022057.D

Acq: 29 Apr 2025 15:30

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC

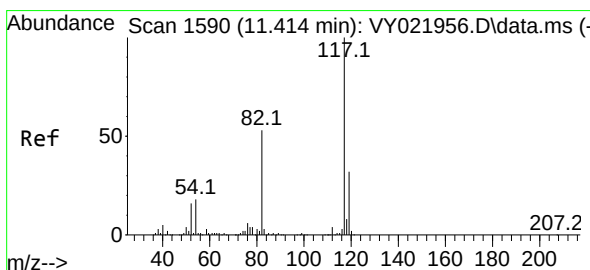
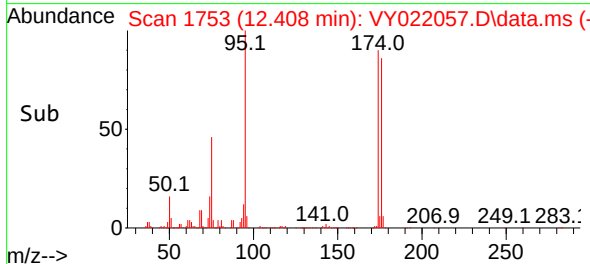
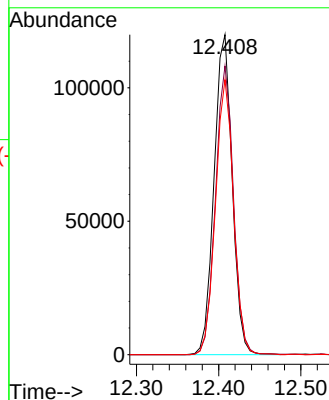
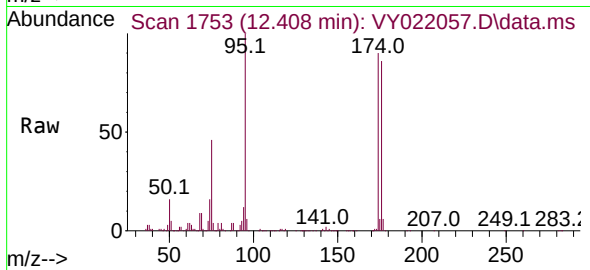
Tgt Ion: 95 Resp: 183842

Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.0

176 85.7 0.0 171.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY022057.D

Acq: 29 Apr 2025 15:30

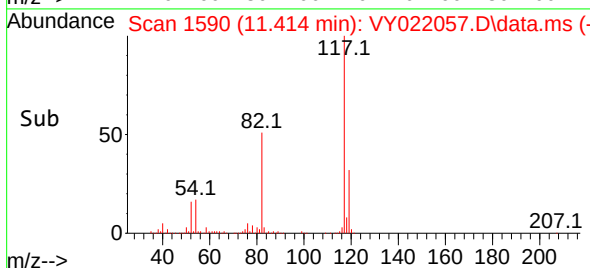
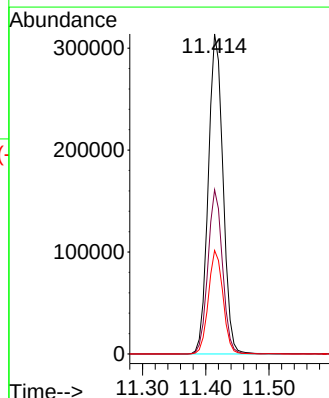
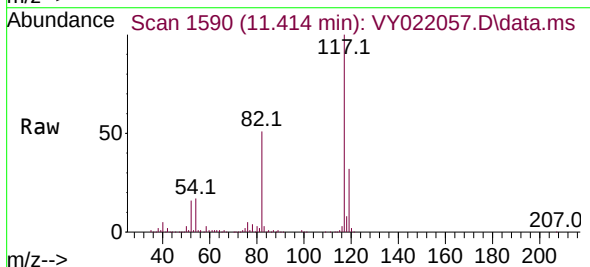
Tgt Ion: 117 Resp: 507934

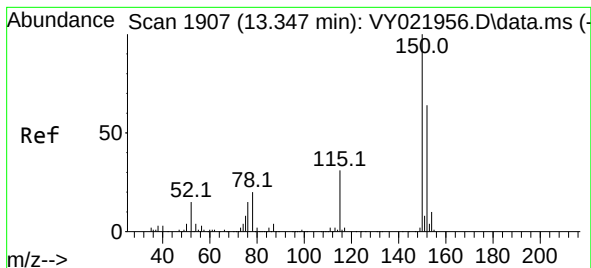
Ion Ratio Lower Upper

117 100

82 51.3 42.1 63.1

119 32.4 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022057.D

Acq: 29 Apr 2025 15:30

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC

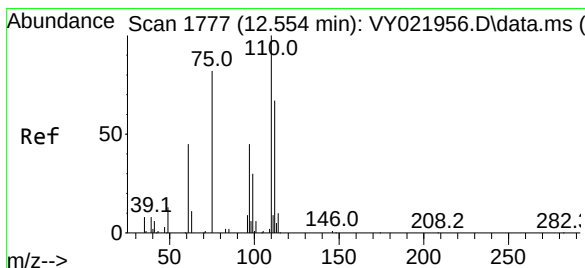
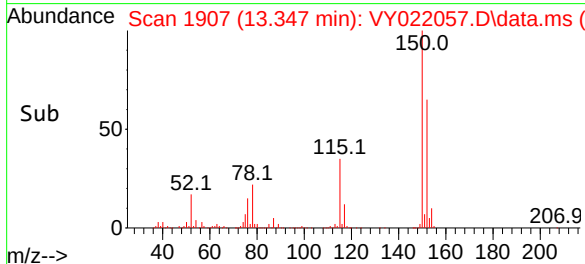
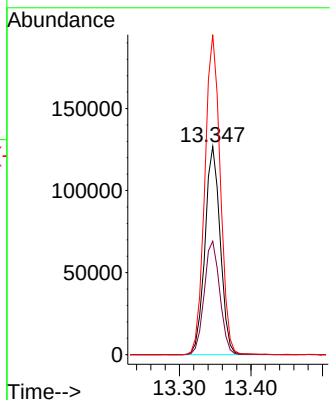
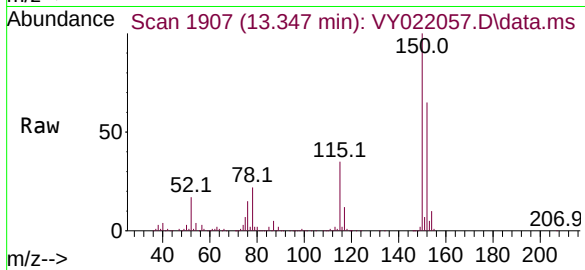
Tgt Ion:152 Resp: 188168

Ion Ratio Lower Upper

152 100

115 55.6 28.0 84.0

150 155.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 54.796 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022057.D

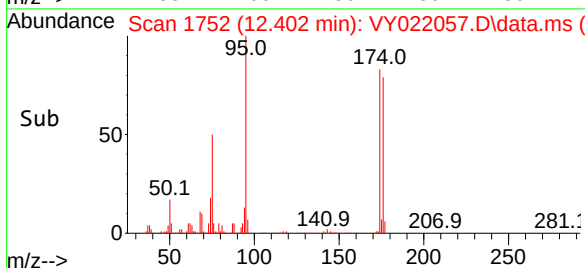
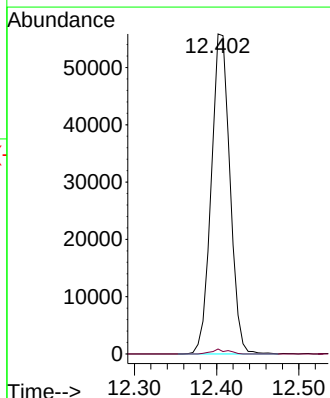
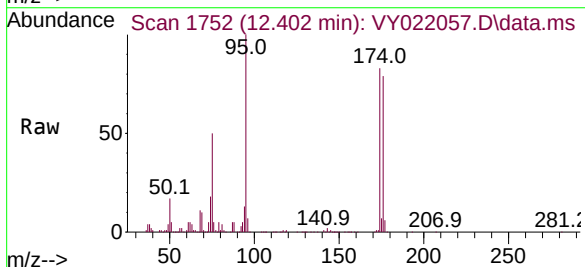
Acq: 29 Apr 2025 15:30

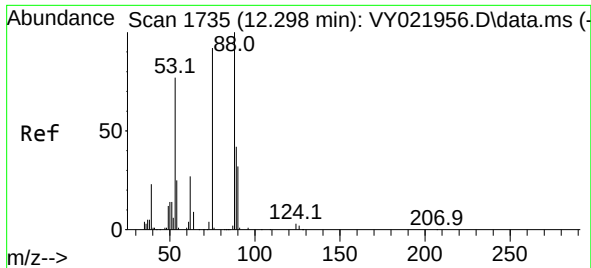
Tgt Ion: 75 Resp: 88317

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.956 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022057.D
 Acq: 29 Apr 2025 15:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5-VOC

Tgt Ion: 75 Resp: 88317
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.0 99.0#
 89 0.0 37.2 55.8#

