

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021856.D
 Acq On : 11 Apr 2025 13:57
 Operator : SY/MD
 Sample : Q1781-03
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-13-VOC

Quant Time: Apr 12 02:48:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

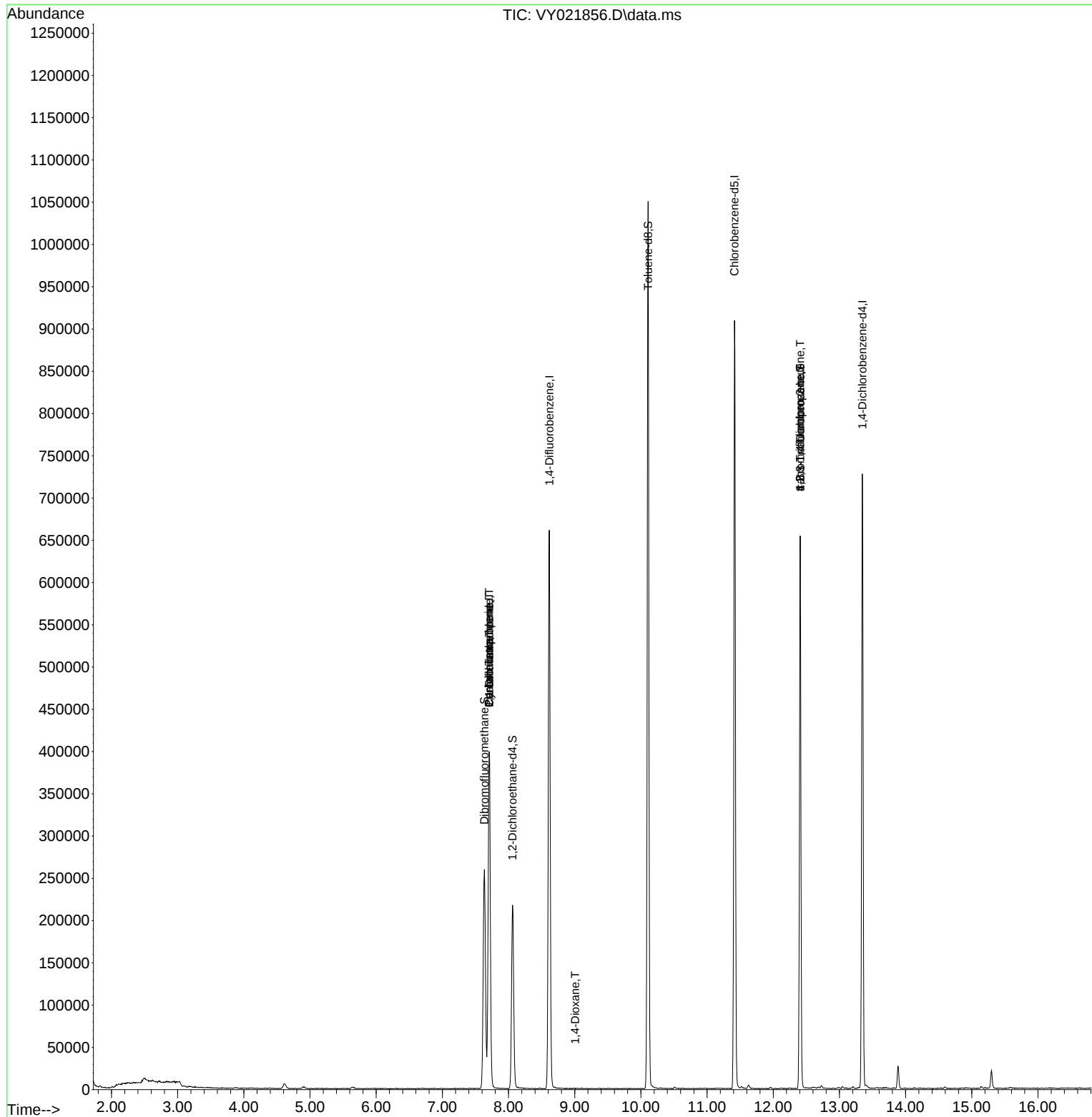
Internal Standards						
1) Pentafluorobenzene	7.707	168	306387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	555925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	476676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	181699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169923	51.188	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.380%	
35) Dibromofluoromethane	7.634	113	182536	50.617	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.240%	
50) Toluene-d8	10.109	98	662357	48.280	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.560%	
62) 4-Bromofluorobenzene	12.408	95	193016	41.594	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.180%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	3913	Below Cal		86
31) Cyclohexane	7.707	56	6868	1.172	ug/l #	2
36) 1,1-Dichloropropene	7.707	75	24605	4.479	ug/l #	52
38) Carbon Tetrachloride	7.707	117	30931	4.917	ug/l #	16
49) 1,4-Dioxane	9.006	88	26	1.082	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	101769	56.504	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	101769	130.194	ug/l #	12

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

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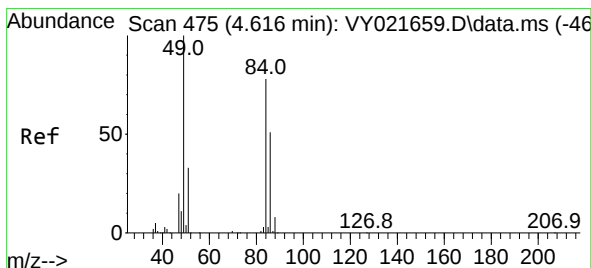
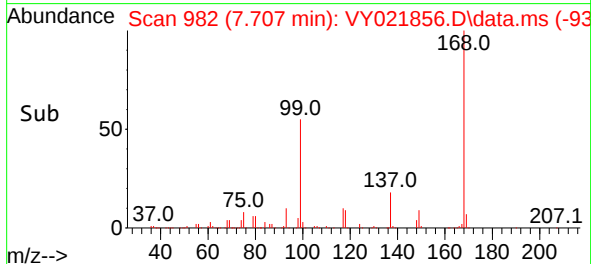
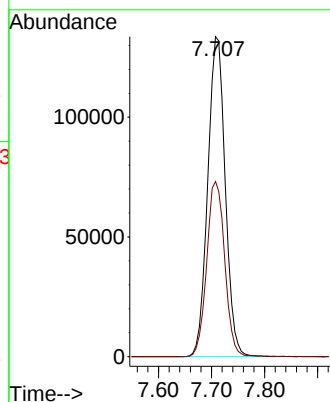
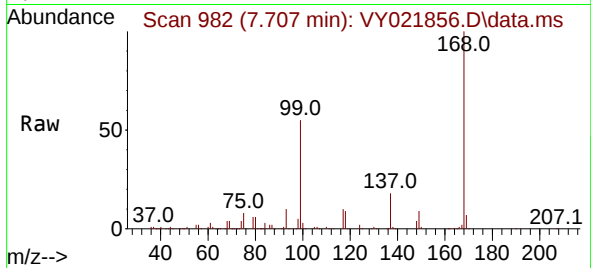




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

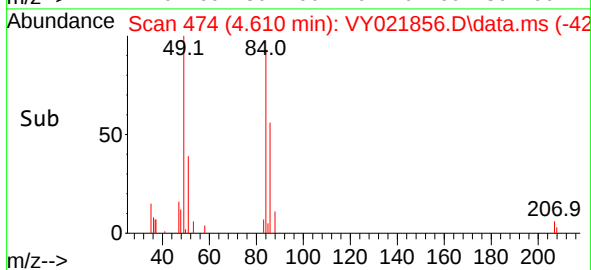
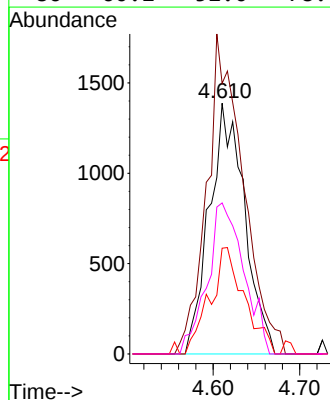
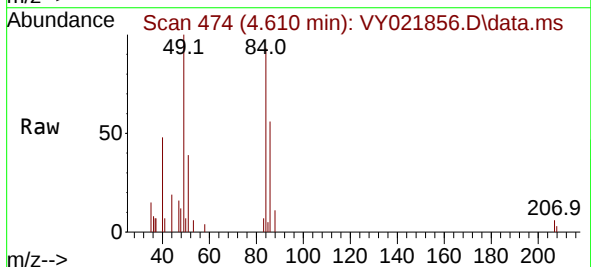
Instrument :
MSVOA_Y
ClientSampleId :
WC-13-VOC

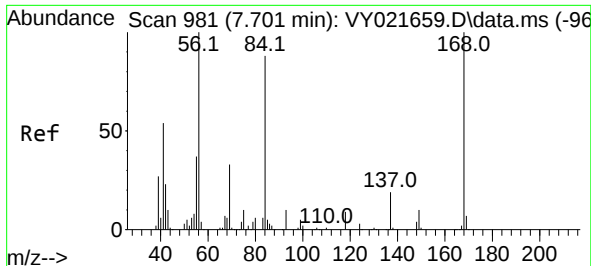
Tgt Ion:168 Resp: 306387
Ion Ratio Lower Upper
168 100
99 54.8 46.7 70.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

Tgt Ion: 84 Resp: 3913
Ion Ratio Lower Upper
84 100
49 103.5 102.8 154.2
51 42.1 33.5 50.3
86 60.2 52.0 78.0

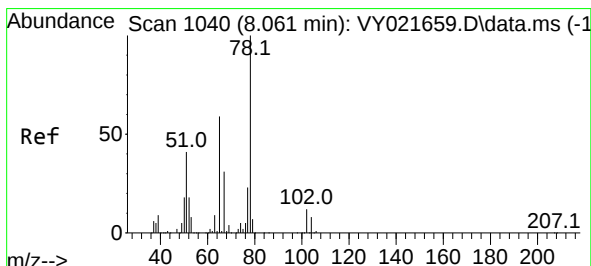
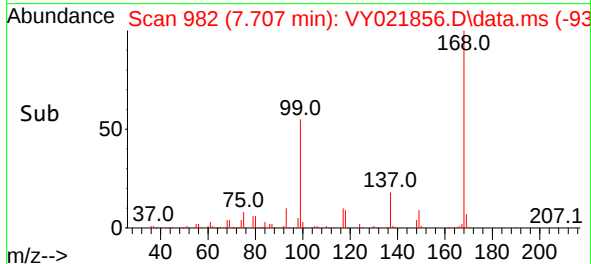
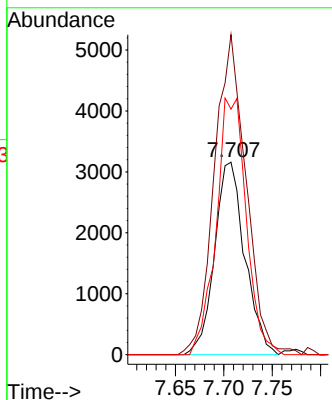
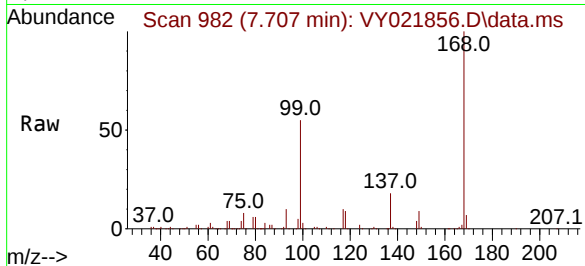




#31
Cyclohexane
Concen: 1.172 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

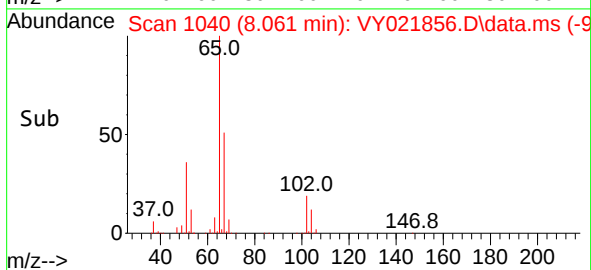
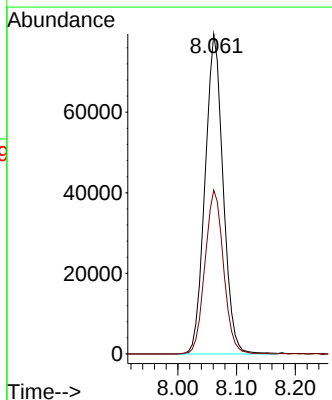
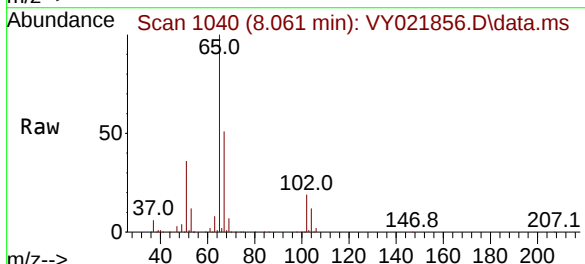
Instrument :
MSVOA_Y
ClientSampleId :
WC-13-VOC

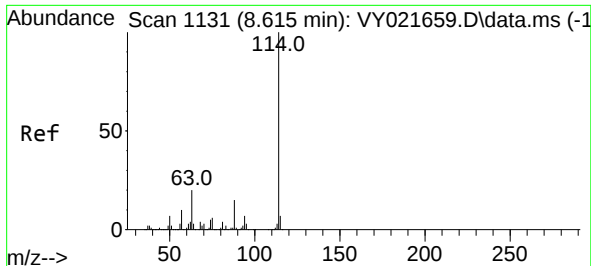
Tgt Ion: 56 Resp: 6868
Ion Ratio Lower Upper
56 100
69 166.2 26.6 40.0#
84 127.5 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 51.188 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

Tgt Ion: 65 Resp: 169923
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021856.D

Acq: 11 Apr 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

WC-13-VOC

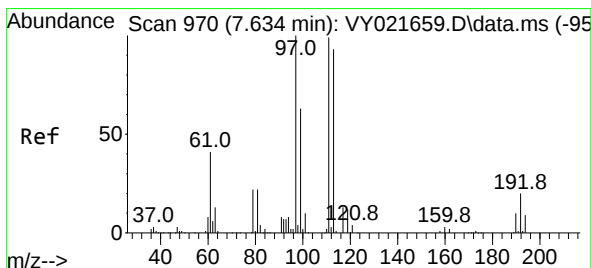
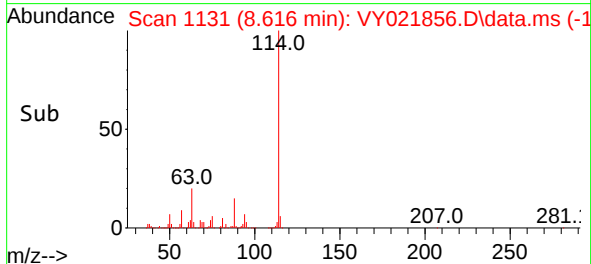
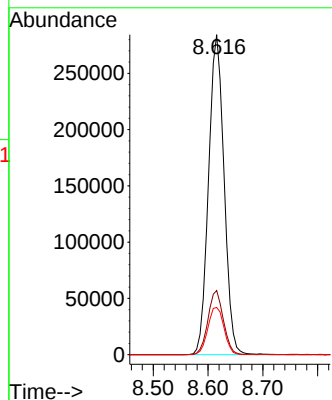
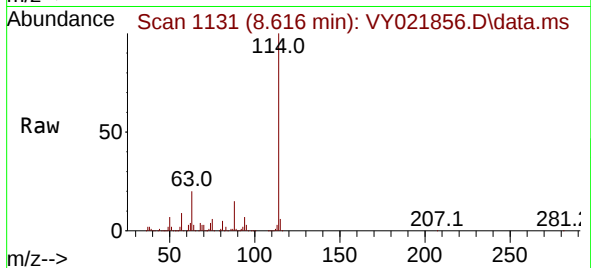
Tgt Ion:114 Resp: 555925

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.617 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021856.D

Acq: 11 Apr 2025 13:57

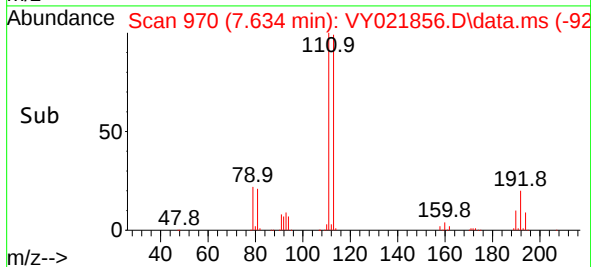
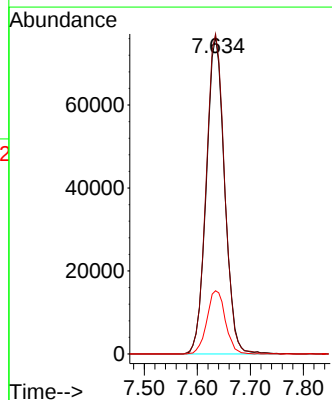
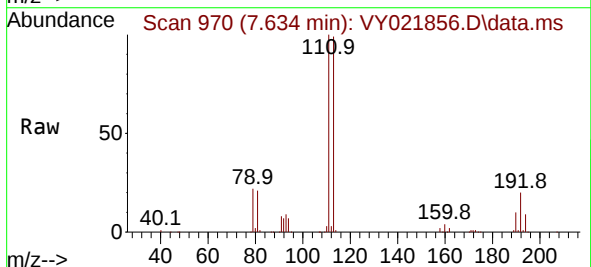
Tgt Ion:113 Resp: 182536

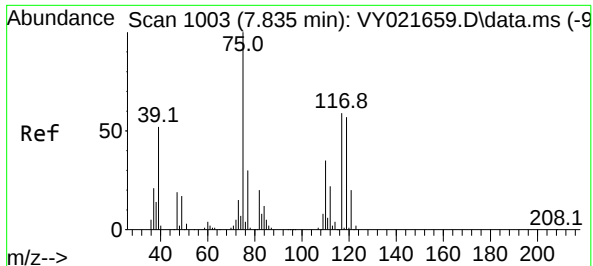
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 20.2 16.2 24.4

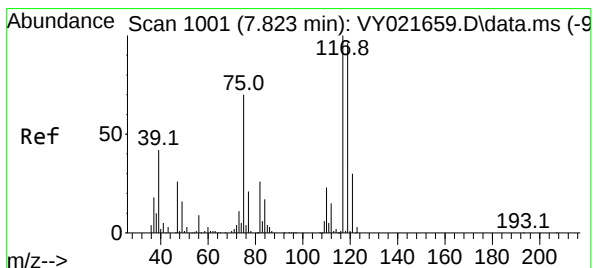
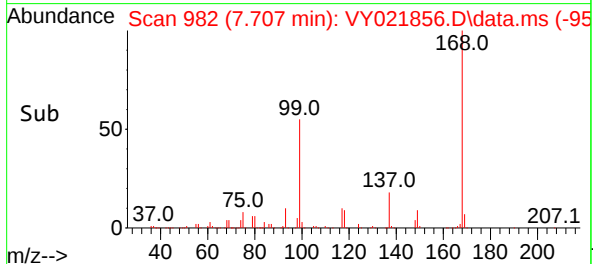
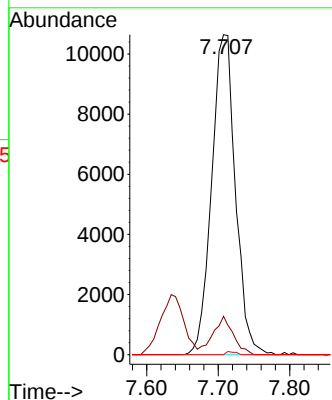
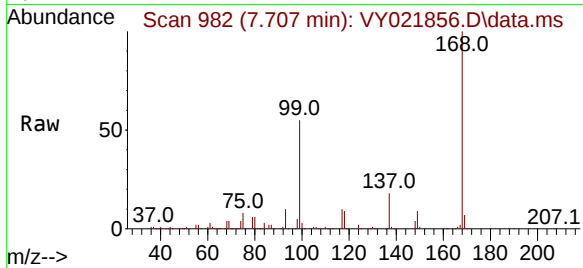




#36
1,1-Dichloropropene
Concen: 4.479 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

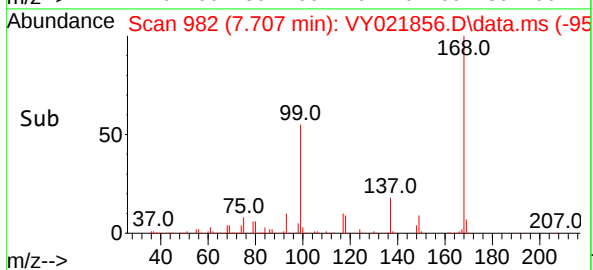
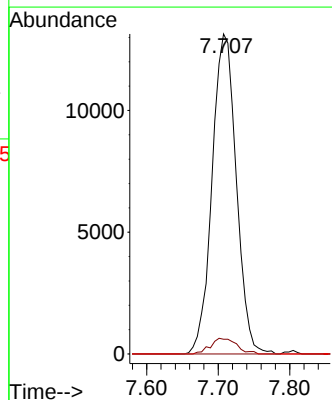
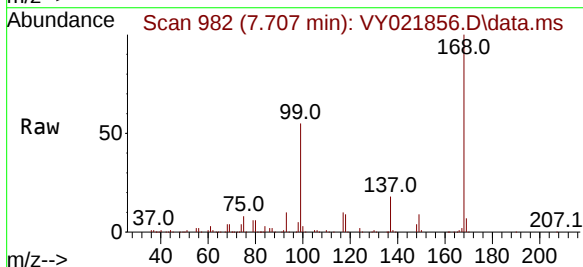
Instrument :
MSVOA_Y
ClientSampleId :
WC-13-VOC

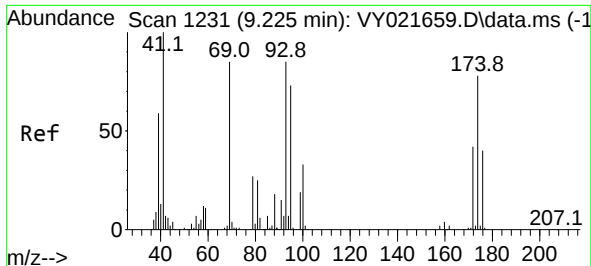
Tgt Ion: 75 Resp: 24605
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.4 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.917 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

Tgt Ion: 117 Resp: 30931
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.4#
121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 1.082 ug/l

RT: 9.006 min Scan# 1195

Delta R.T. -0.219 min

Lab File: VY021856.D

Acq: 11 Apr 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

WC-13-VOC

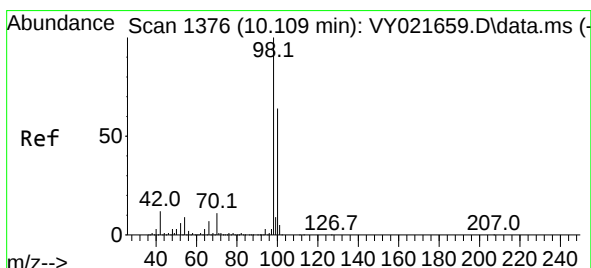
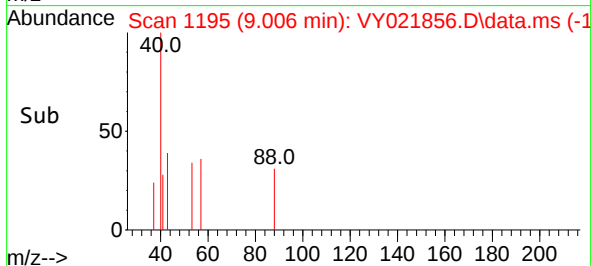
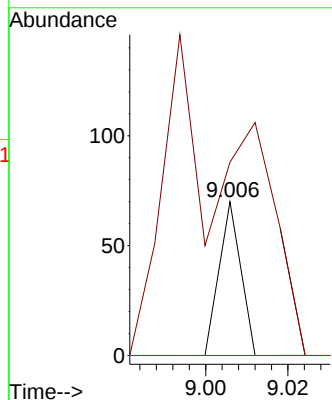
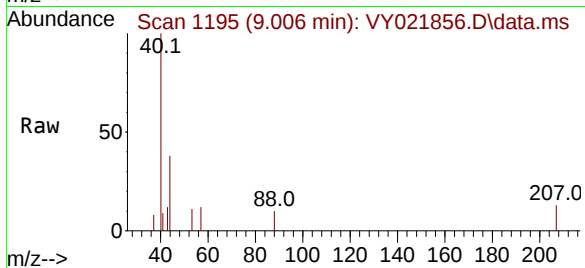
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 703.8 28.8 43.2#

58 0.0 59.4 89.2#



#50

Toluene-d8

Concen: 48.280 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021856.D

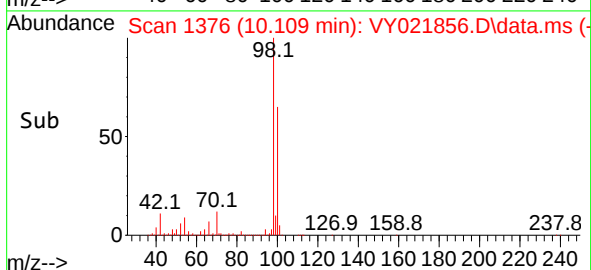
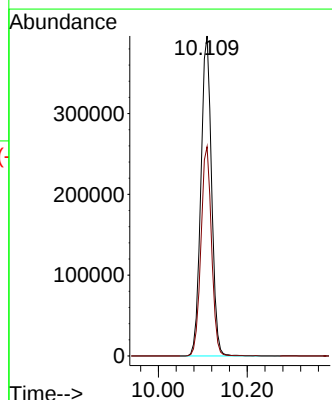
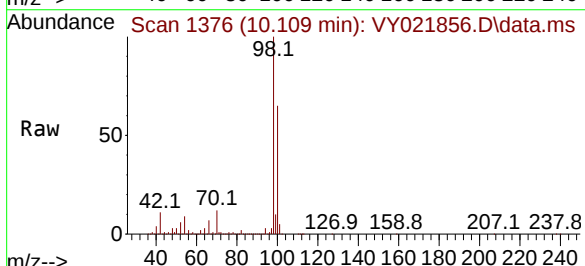
Acq: 11 Apr 2025 13:57

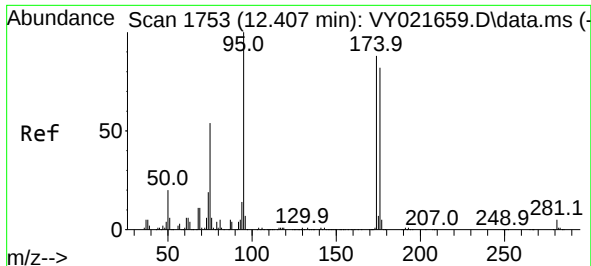
Tgt Ion: 98 Resp: 662357

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1

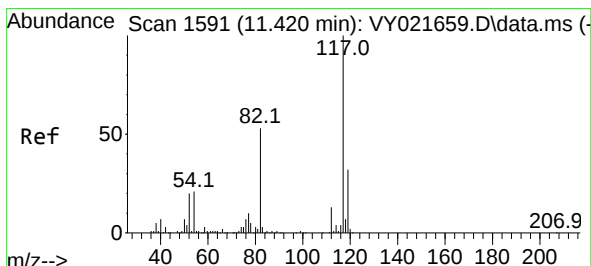
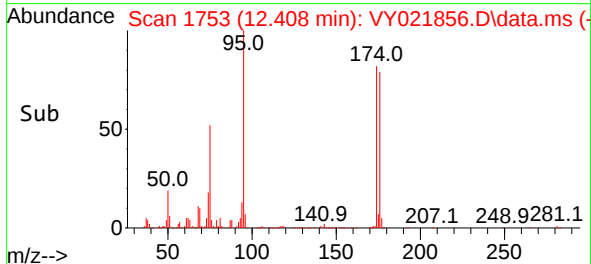
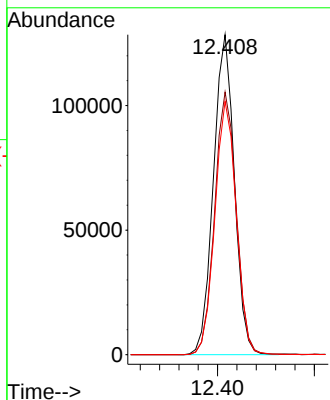
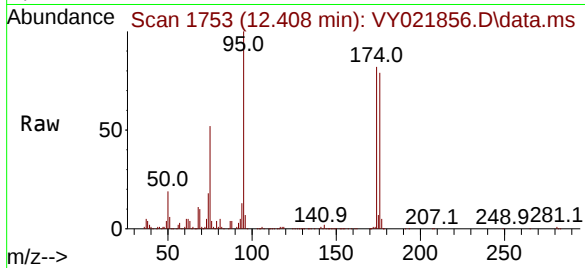




#62
4-Bromofluorobenzene
Concen: 41.594 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

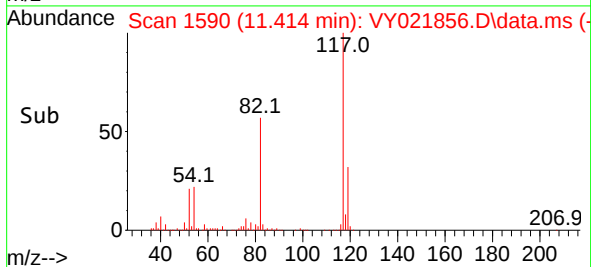
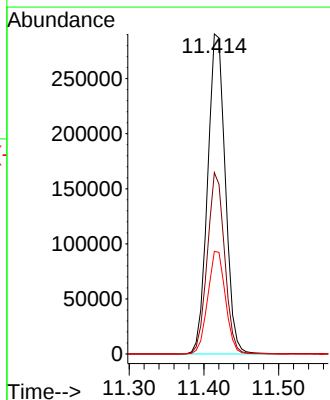
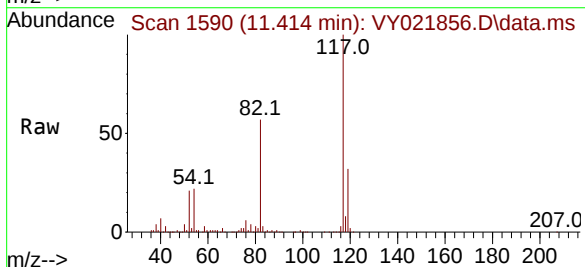
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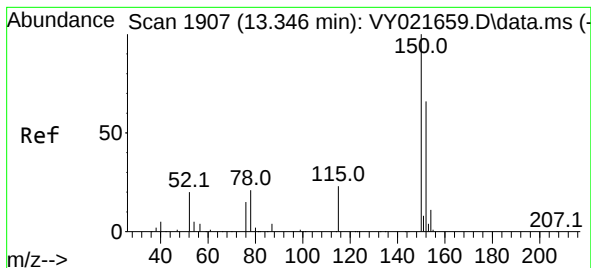
Tgt Ion: 95 Resp: 193016
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.8
176 80.9 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021856.D
Acq: 11 Apr 2025 13:57

Tgt Ion: 117 Resp: 476676
Ion Ratio Lower Upper
117 100
82 56.6 42.8 64.2
119 32.0 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: VY021856.D

Acq: 11 Apr 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

WC-13-VOC

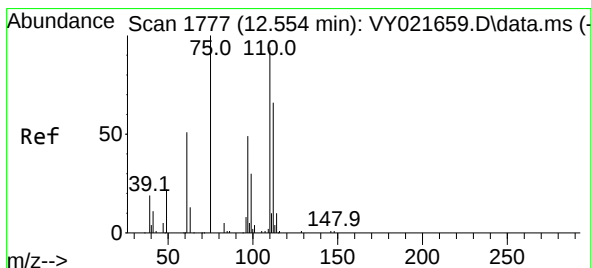
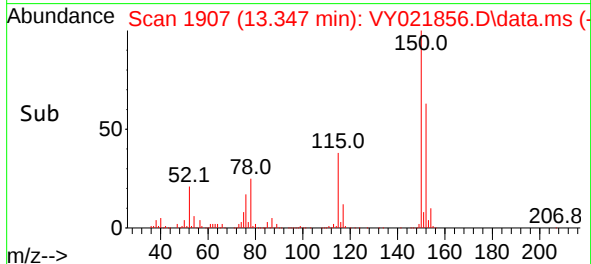
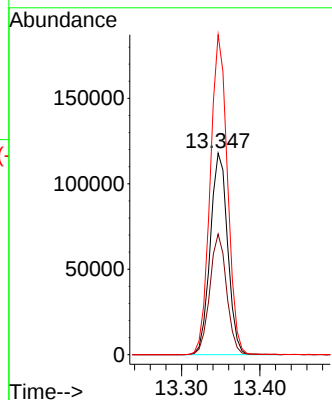
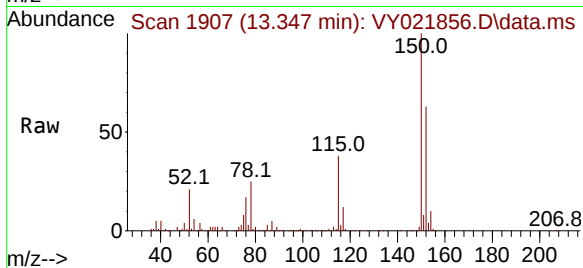
Tgt Ion:152 Resp: 181699

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 157.3 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.504 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021856.D

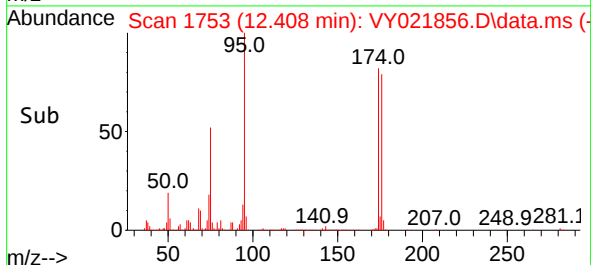
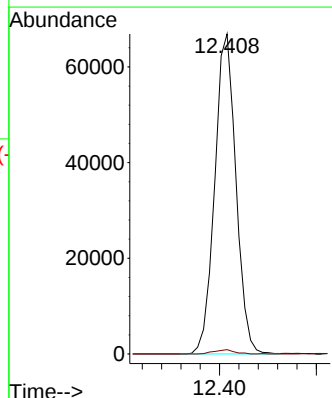
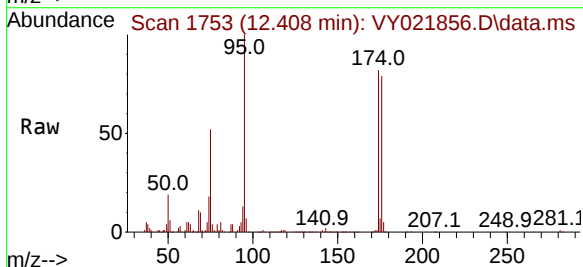
Acq: 11 Apr 2025 13:57

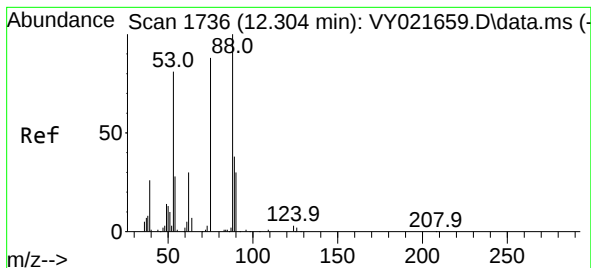
Tgt Ion: 75 Resp: 101769

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.194 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021856.D
 Acq: 11 Apr 2025 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-13-VOC

Tgt Ion: 75 Resp: 101769
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.2 54.4#

