

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022325.D
 Acq On : 19 May 2025 17:43
 Operator : SY/MD
 Sample : Q2021-02
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: May 20 01:17:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

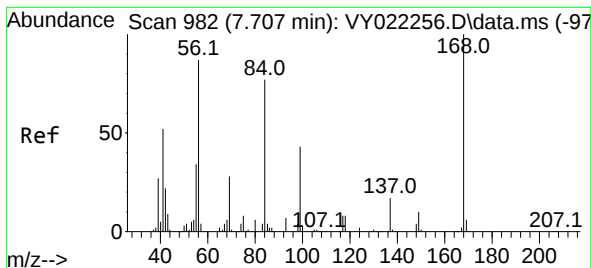
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	188228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	334545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	266650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	100148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104131	50.619	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.240%	
35) Dibromofluoromethane	7.628	113	100220	50.191	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.380%	
50) Toluene-d8	10.103	98	399710	48.877	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.760%	
62) 4-Bromofluorobenzene	12.401	95	102799	39.659	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.320%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.707	56	5532	1.329	ug/l #	19
36) 1,1-Dichloropropene	7.701	75	16127	4.903	ug/l #	51
38) Carbon Tetrachloride	7.701	117	19624	5.764	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	58826	57.979	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	58826	117.451	ug/l #	12

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

Quant Time: May 20 01:17:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY022325.D

Acq: 19 May 2025 17:43

Instrument :

MSVOA_Y

ClientSampleId :

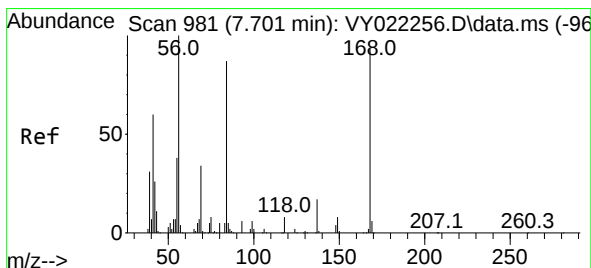
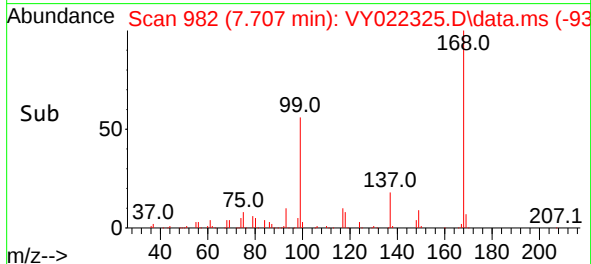
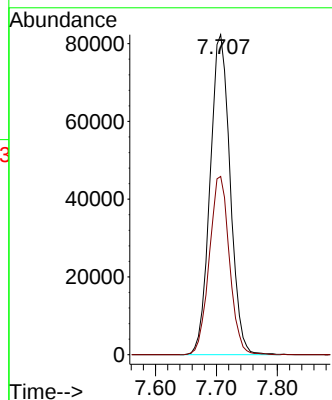
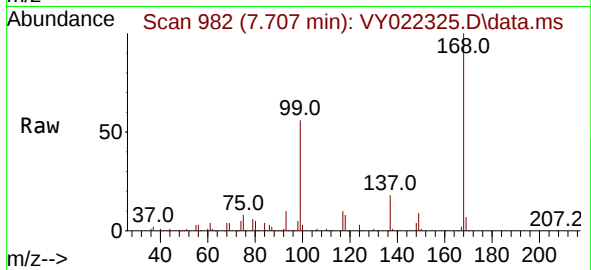
VOC

Tgt Ion:168 Resp: 188228

Ion Ratio Lower Upper

168 100

99 55.7 44.2 66.4



#31

Cyclohexane

Concen: 1.329 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY022325.D

Acq: 19 May 2025 17:43

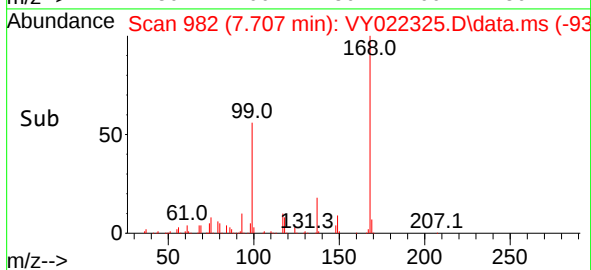
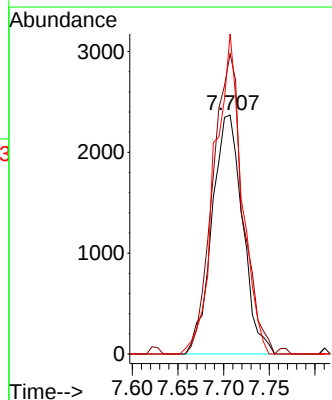
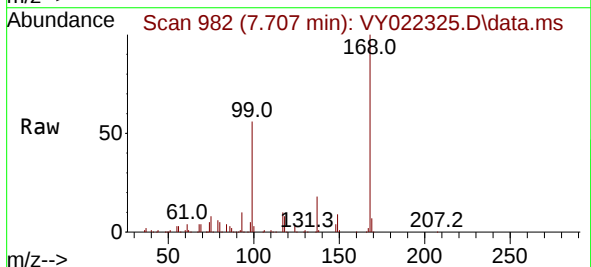
Tgt Ion: 56 Resp: 5532

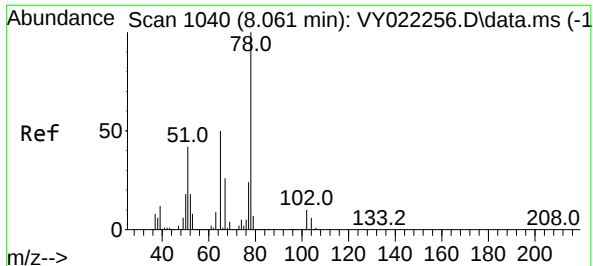
Ion Ratio Lower Upper

56 100

69 125.6 27.4 41.2#

84 133.9 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 50.619 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022325.D

Acq: 19 May 2025 17:43

Instrument :

MSVOA_Y

ClientSampleId :

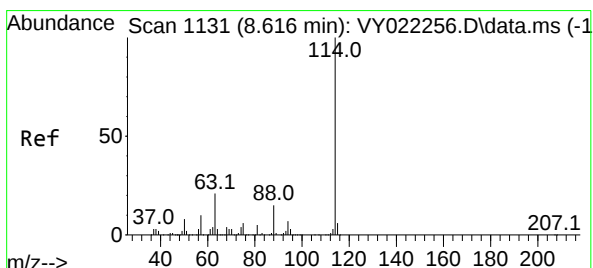
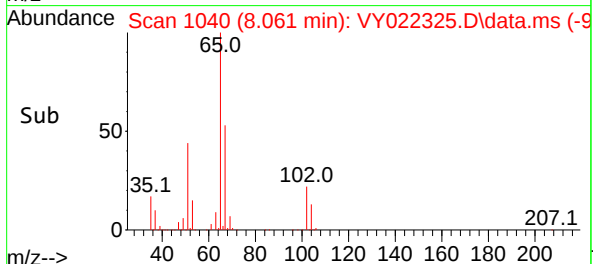
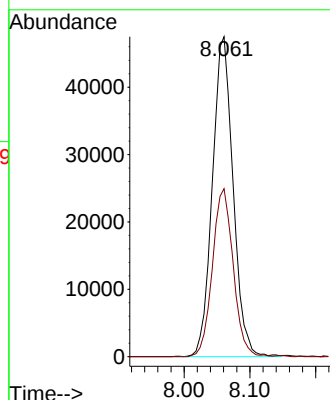
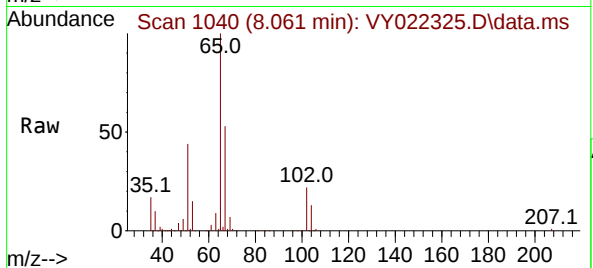
VOC

Tgt Ion: 65 Resp: 104131

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022325.D

Acq: 19 May 2025 17:43

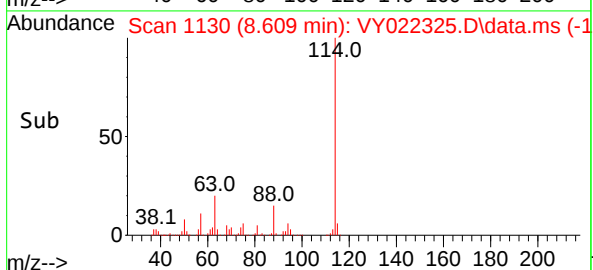
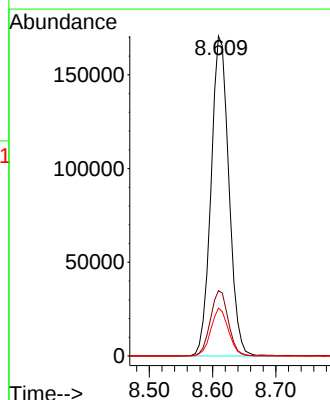
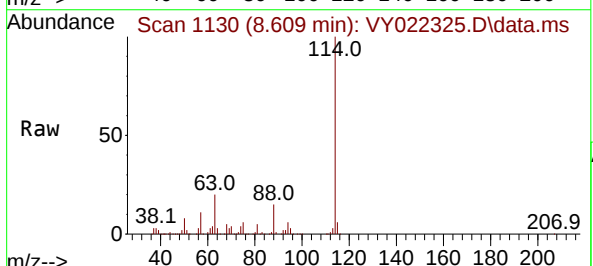
Tgt Ion: 114 Resp: 334545

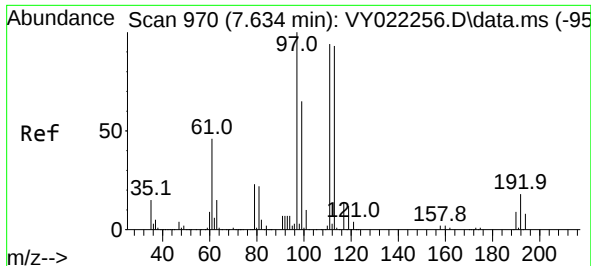
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 15.0 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.191 ug/l

RT: 7.628 min Scan# 910

Delta R.T. -0.006 min

Lab File: VY022325.D

Acq: 19 May 2025 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VOC

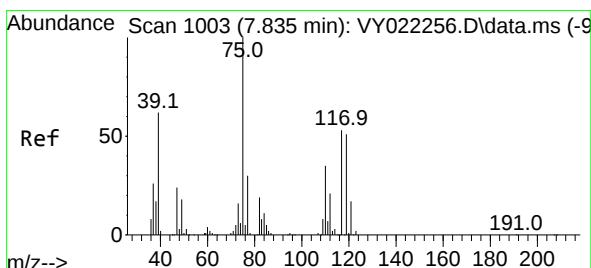
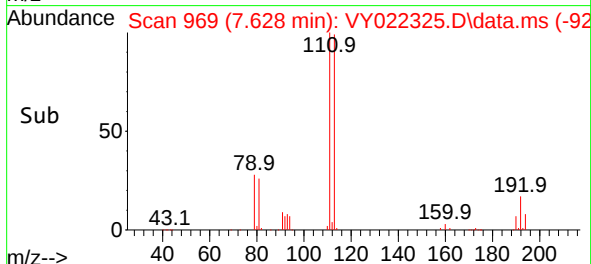
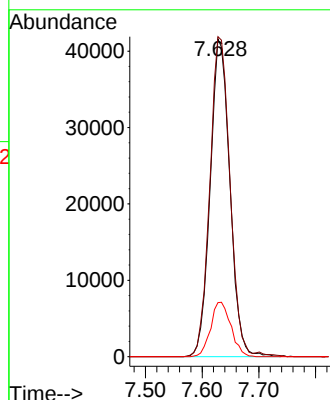
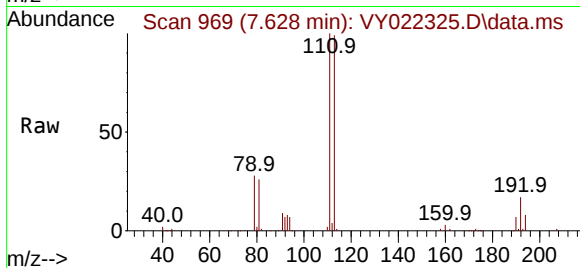
Tgt Ion:113 Resp: 100220

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 17.7 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.903 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022325.D

Acq: 19 May 2025 17:43

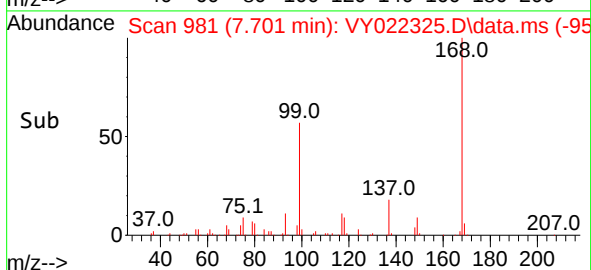
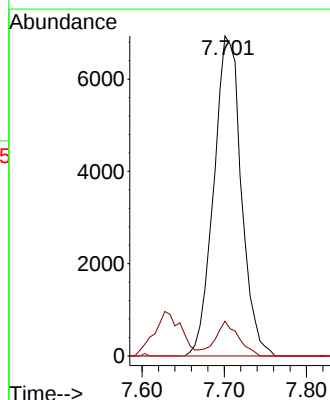
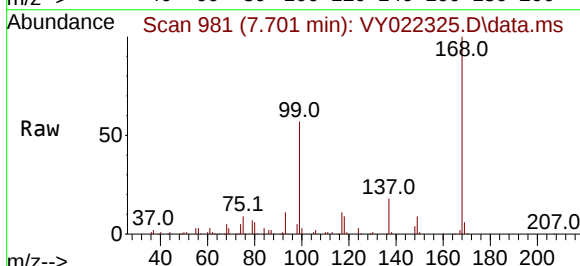
Tgt Ion: 75 Resp: 16127

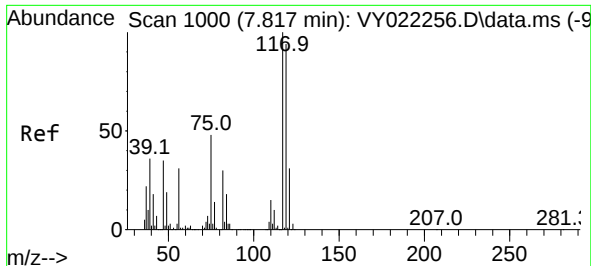
Ion Ratio Lower Upper

75 100

110 9.0 16.6 49.8#

77 0.0 24.6 37.0#

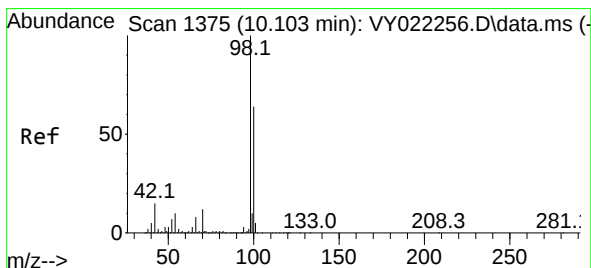
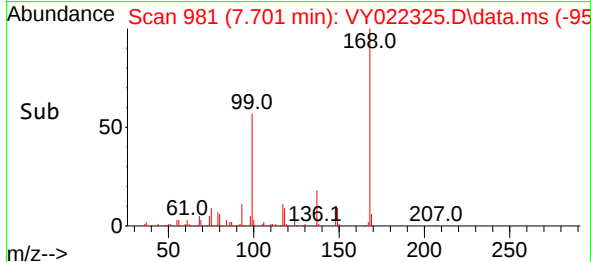
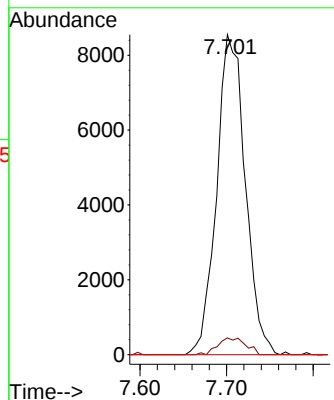
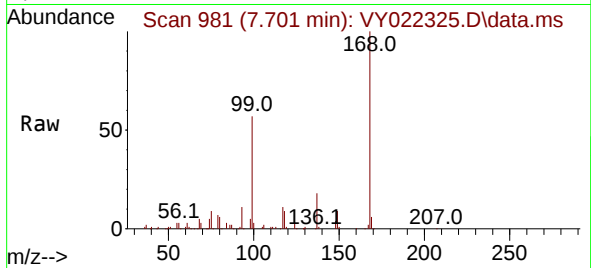




#38
Carbon Tetrachloride
Concen: 5.764 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY022325.D
Acq: 19 May 2025 17:43

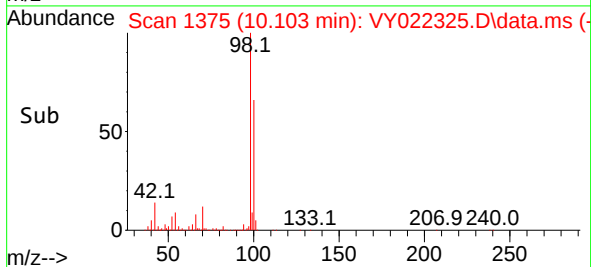
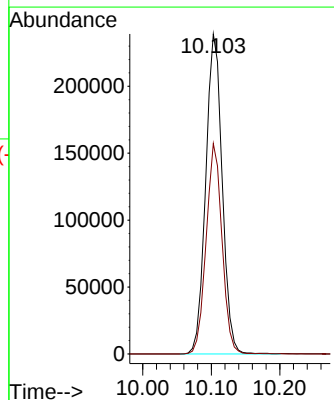
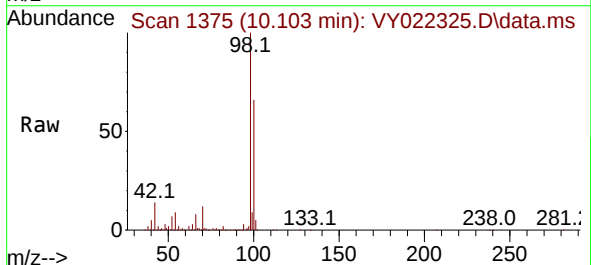
Instrument :
MSVOA_Y
ClientSampleId :
VOC

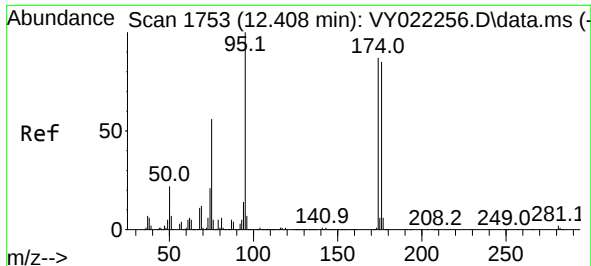
Tgt Ion: 117 Resp: 19624
Ion Ratio Lower Upper
117 100
119 5.3 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.877 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022325.D
Acq: 19 May 2025 17:43

Tgt Ion: 98 Resp: 399710
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.8

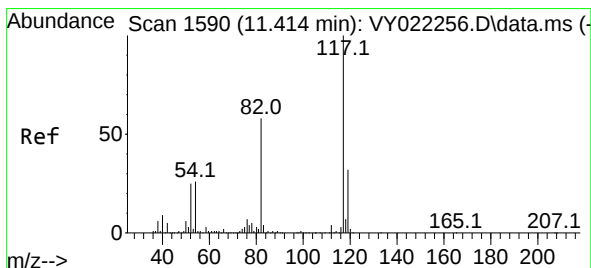
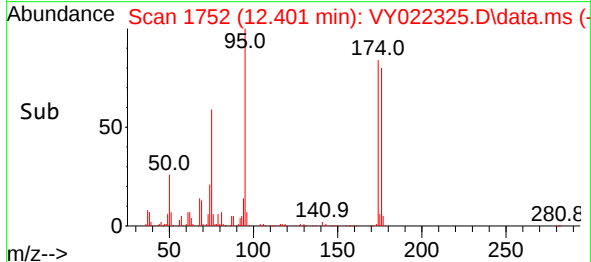
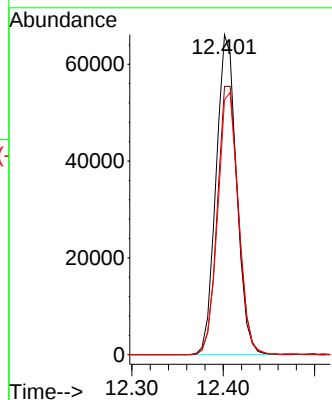
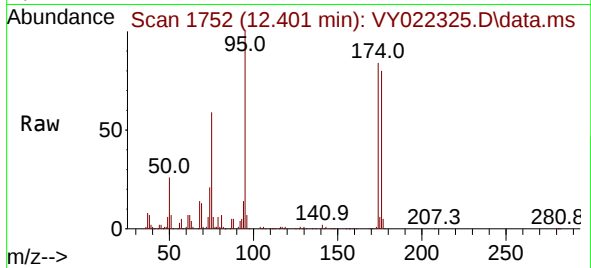




#62
4-Bromofluorobenzene
Concen: 39.659 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022325.D
Acq: 19 May 2025 17:43

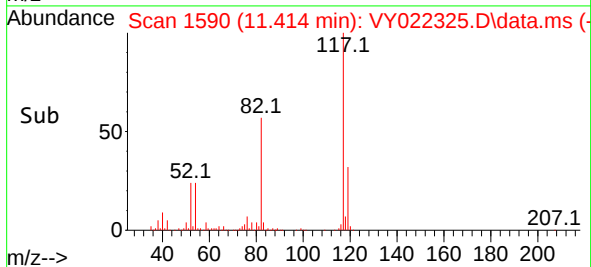
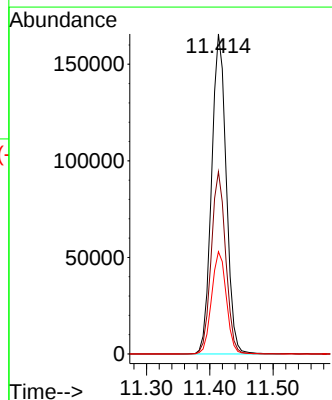
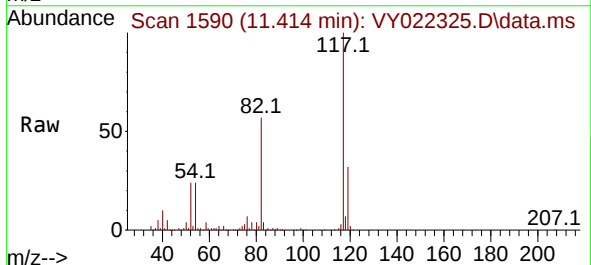
Instrument :
MSVOA_Y
ClientSampleId :
VOC

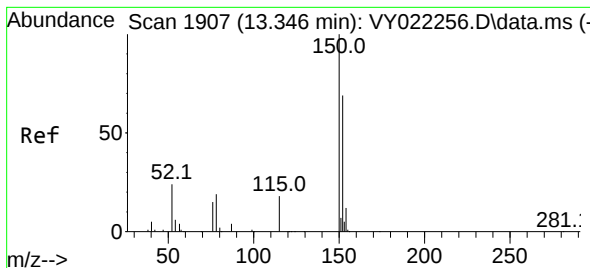
Tgt Ion: 95 Resp: 102799
Ion Ratio Lower Upper
95 100
174 86.0 0.0 166.8
176 83.3 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022325.D
Acq: 19 May 2025 17:43

Tgt Ion: 117 Resp: 266650
Ion Ratio Lower Upper
117 100
82 56.9 46.6 70.0
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022325.D

Acq: 19 May 2025 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VOC

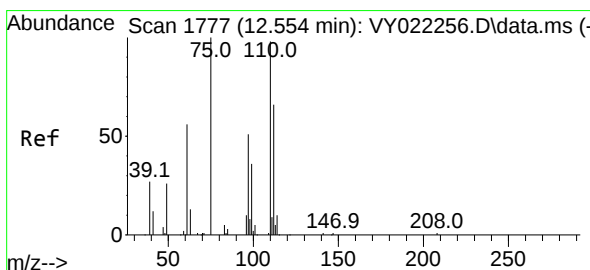
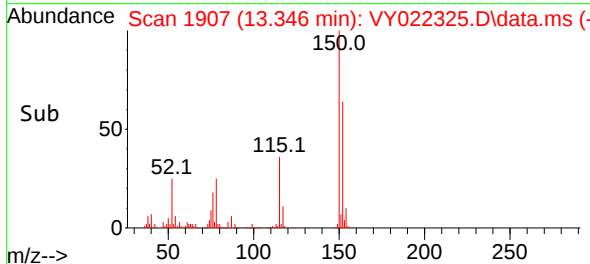
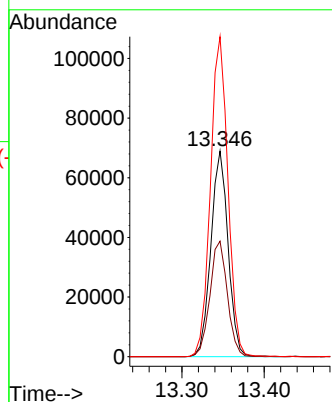
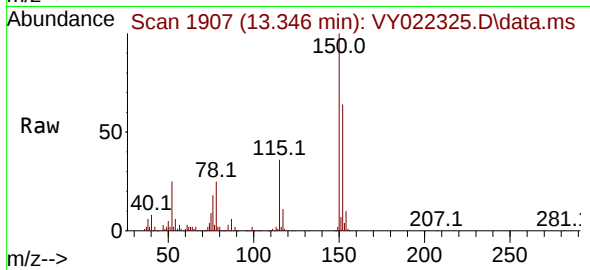
Tgt Ion:152 Resp: 100148

Ion Ratio Lower Upper

152 100

115 57.2 29.4 88.2

150 158.0 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 57.979 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022325.D

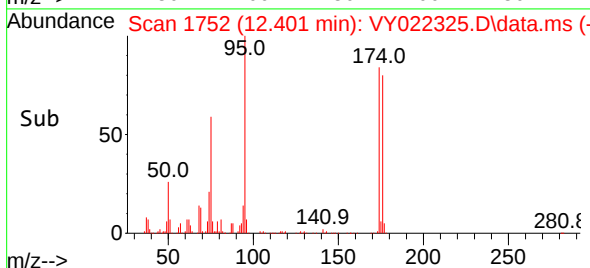
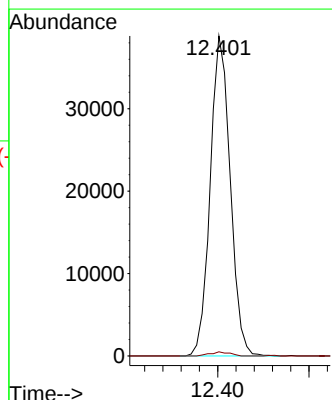
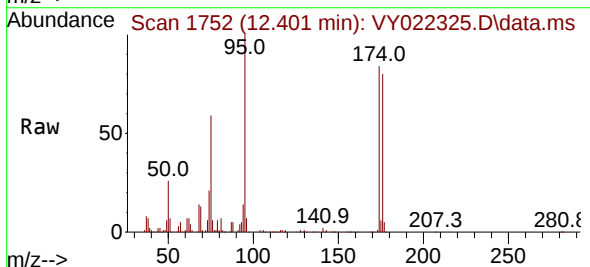
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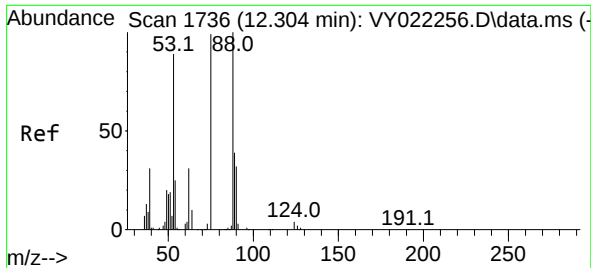
Tgt Ion: 75 Resp: 58826

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.451 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022325.D
 Acq: 19 May 2025 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Tgt Ion: 75 Resp: 58826
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 36.2 54.2#

