

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022677.D
 Acq On : 12 Jun 2025 16:32
 Operator : SY/MD
 Sample : Q2295-02
 Misc : 6.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP01-MH1-VOC

Quant Time: Jun 13 05:43:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

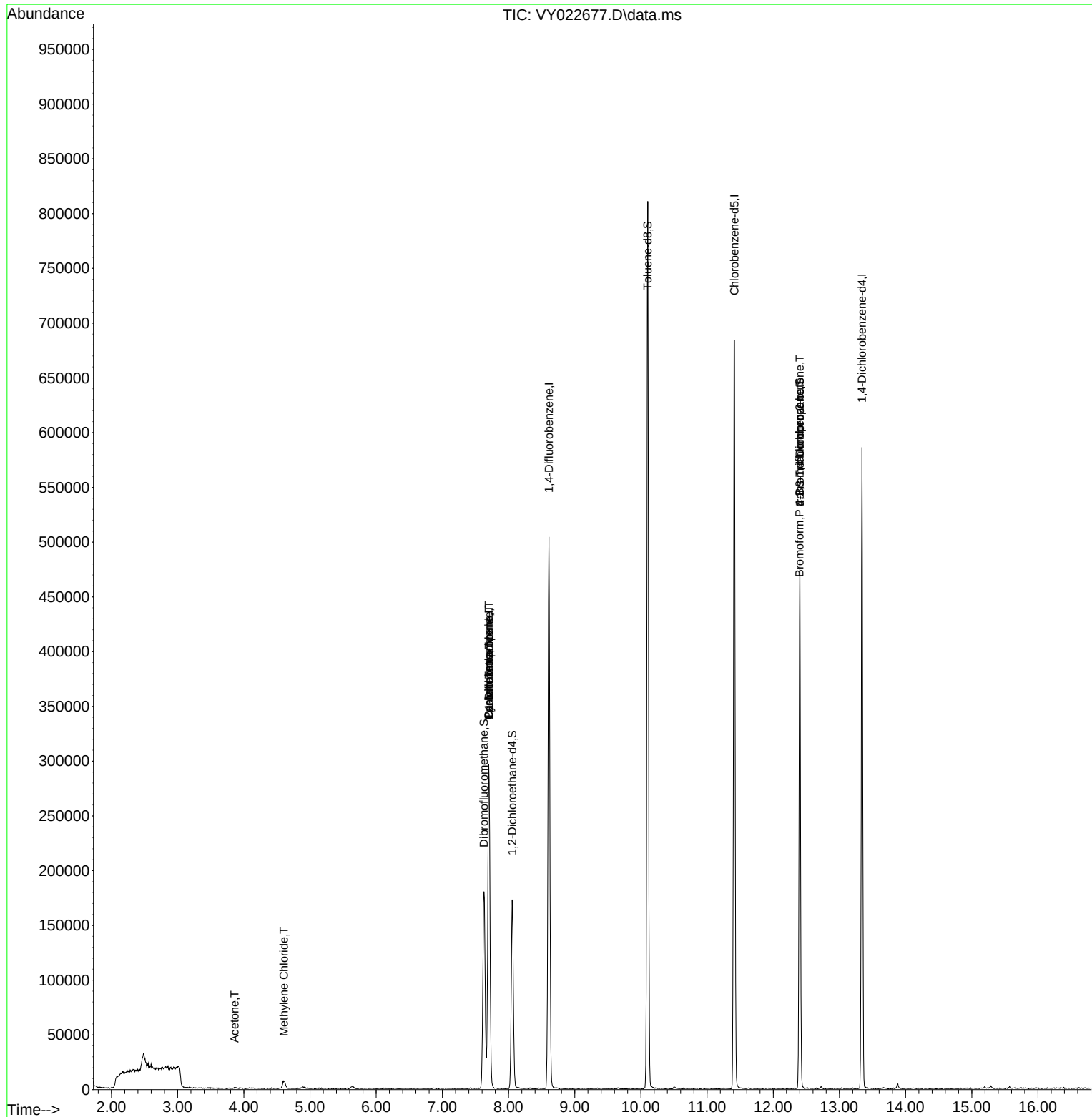
Internal Standards						
1) Pentafluorobenzene	7.701	168	220529	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	412236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	344431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	132272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	126127	51.136	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.280%	
35) Dibromofluoromethane	7.628	113	125394	50.962	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.920%	
50) Toluene-d8	10.103	98	498952	50.185	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.380%	
62) 4-Bromofluorobenzene	12.401	95	131524	44.400	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.800%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	1130	2.256	ug/l #	69
20) Methylene Chloride	4.604	84	4776	1.679	ug/l	93
31) Cyclohexane	7.701	56	6053	1.277	ug/l #	20
36) 1,1-Dichloropropene	7.701	75	19323	4.839	ug/l #	50
38) Carbon Tetrachloride	7.701	117	22938	5.599	ug/l #	18
71) Bromoform	12.395	173	1370	1.003	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	75673	50.007	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	75673	120.764	ug/l #	10

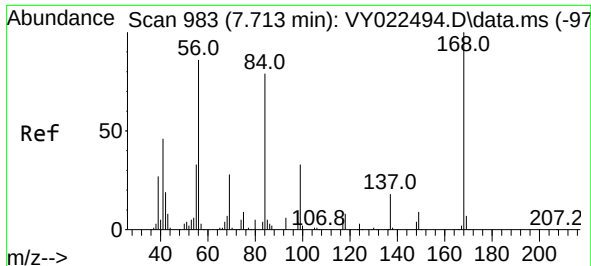
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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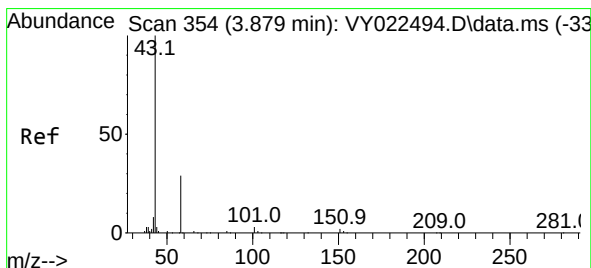
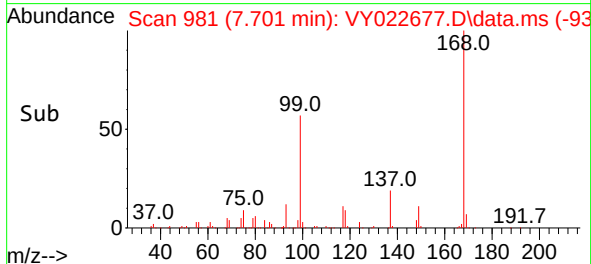
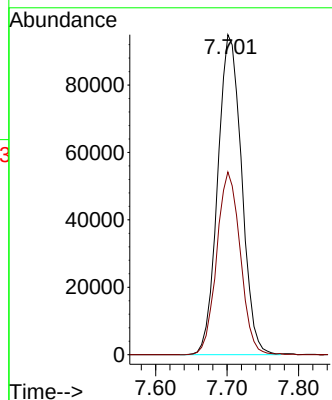
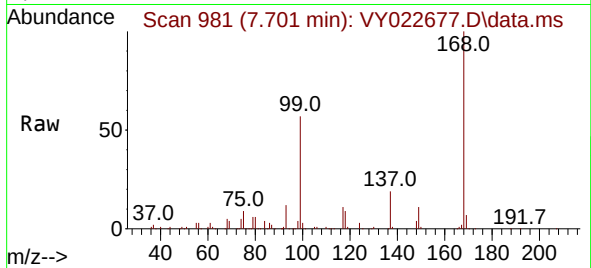




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022677.D
Acq: 12 Jun 2025 16:32

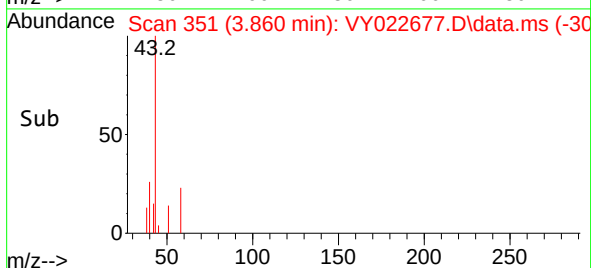
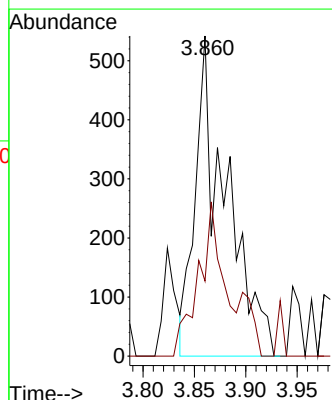
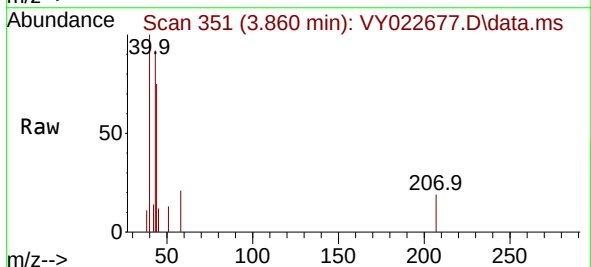
Instrument :
MSVOA_Y
ClientSampleId :
TP01-MH1-VOC

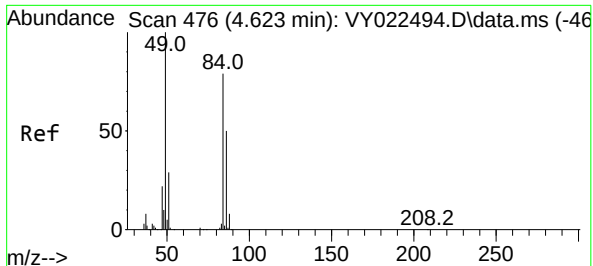
Tgt Ion:168 Resp: 220529
Ion Ratio Lower Upper
168 100
99 57.1 44.3 66.5



#16
Acetone
Concen: 2.256 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022677.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 43 Resp: 1130
Ion Ratio Lower Upper
43 100
58 13.3 24.0 36.0#



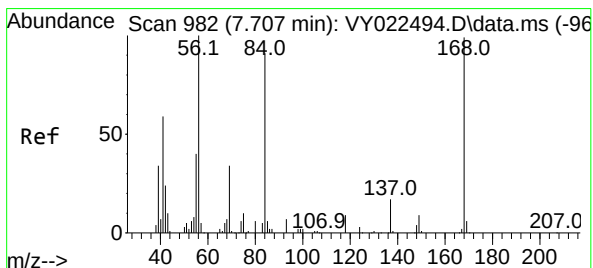
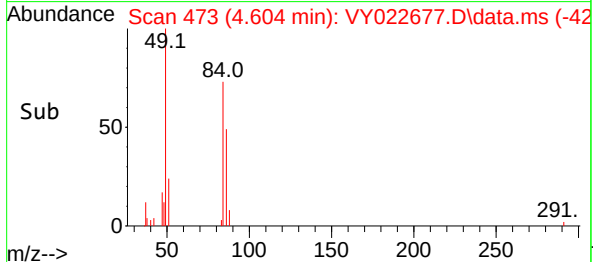
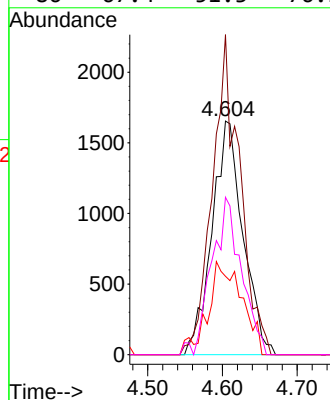
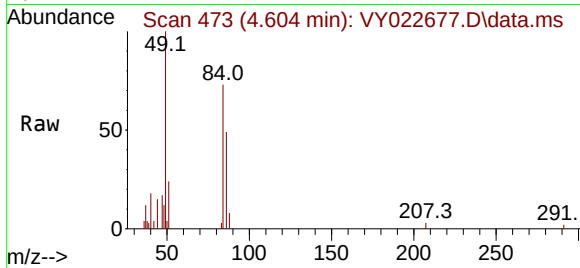


#20
Methylene Chloride
Concen: 1.679 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.019 min
Lab File: VY022677.D
Acq: 12 Jun 2025 16:32

Instrument :
MSVOA_Y
ClientSampleId :
TP01-MH1-VOC

Tgt Ion: 84 Resp: 4776

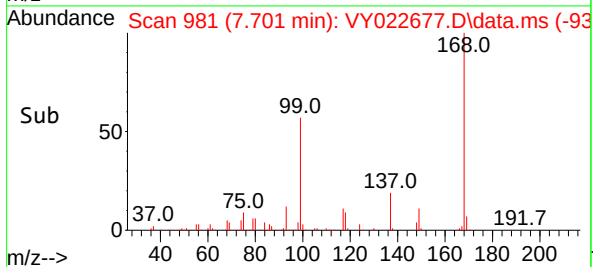
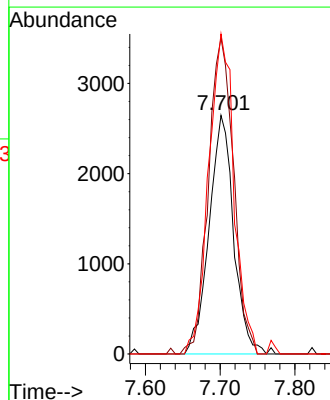
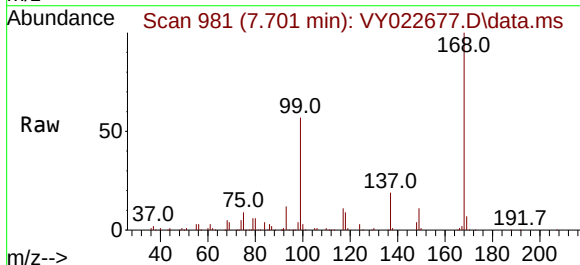
Ion	Ratio	Lower	Upper
84	100		
49	137.0	101.9	152.9
51	33.6	29.8	44.8
86	67.4	51.3	76.9

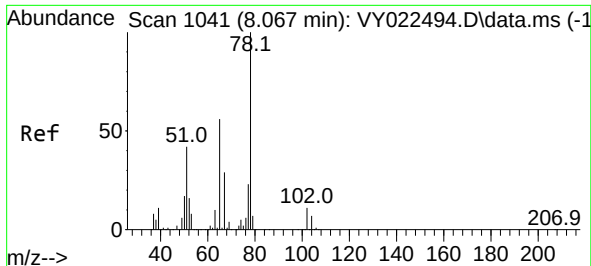


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022677.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 56 Resp: 6053

Ion	Ratio	Lower	Upper
56	100		
69	132.5	27.0	40.6#
84	134.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.136 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022677.D

Acq: 12 Jun 2025 16:32

Instrument :

MSVOA_Y

ClientSampleId :

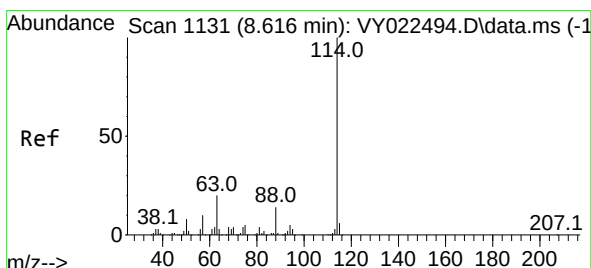
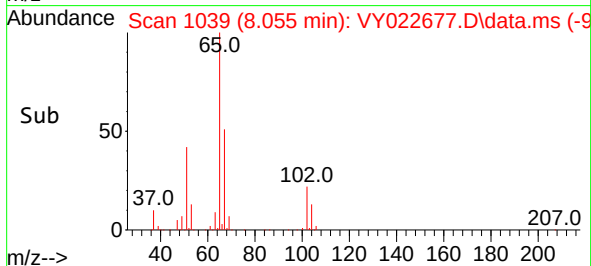
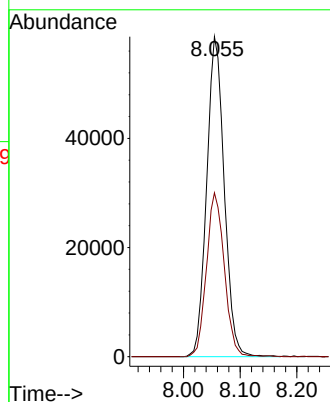
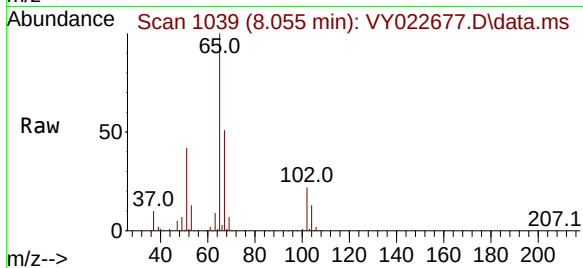
TP01-MH1-VOC

Tgt Ion: 65 Resp: 126127

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022677.D

Acq: 12 Jun 2025 16:32

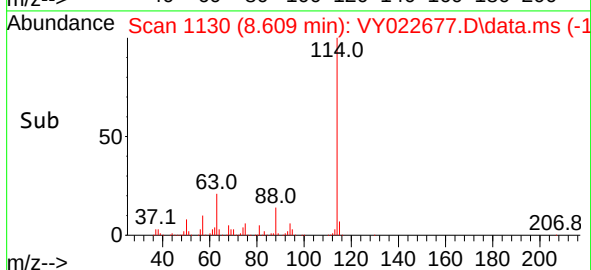
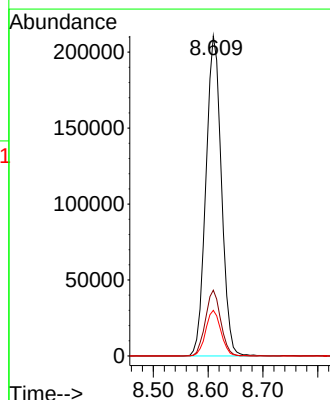
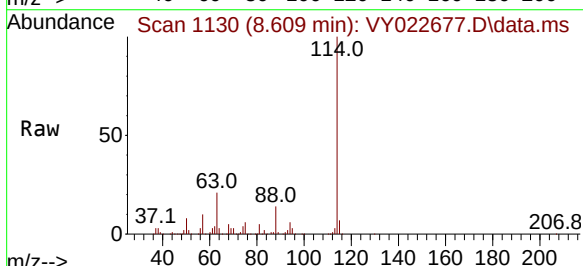
Tgt Ion: 114 Resp: 412236

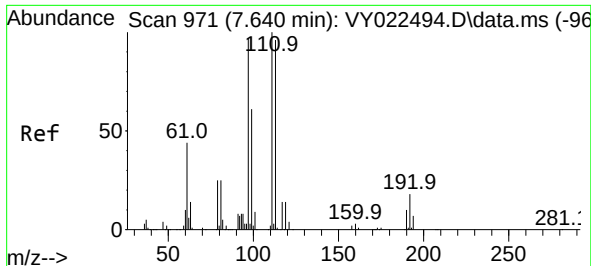
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 14.2 0.0 27.8

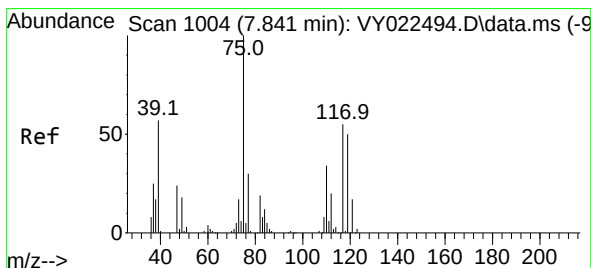
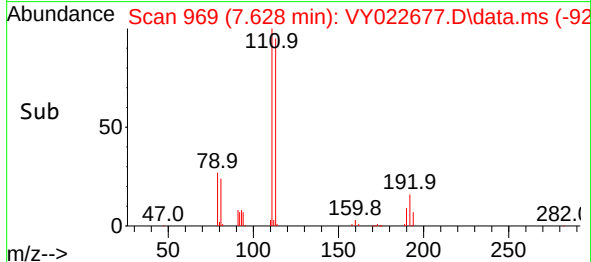
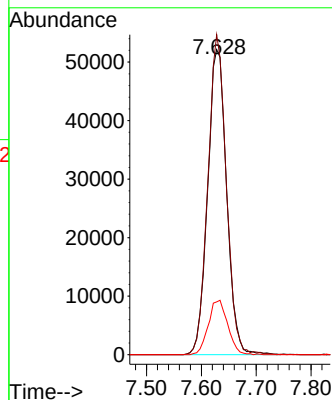
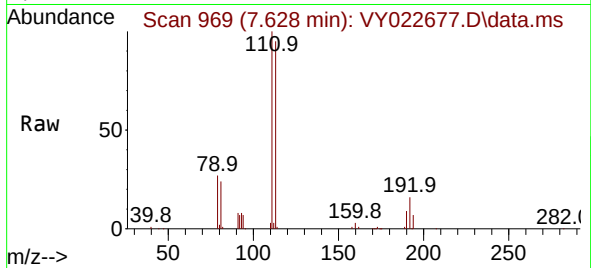




#35
Dibromofluoromethane
Concen: 50.962 ug/l
RT: 7.628 min Scan# 901
Delta R.T. -0.012 min
Lab File: VY022677.D
Acq: 12 Jun 2025 16:32

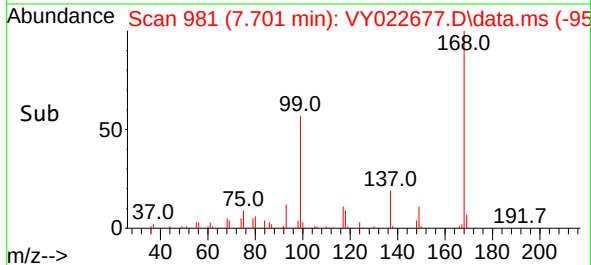
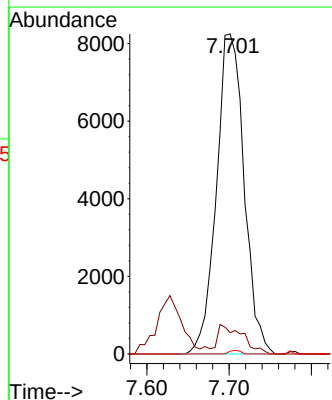
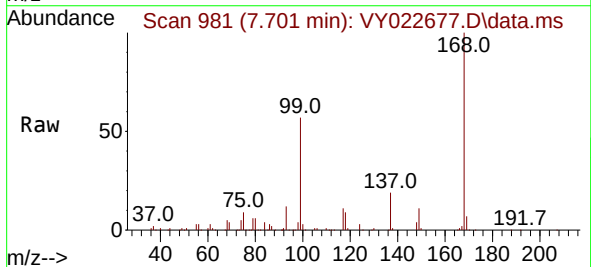
Instrument :
MSVOA_Y
ClientSampleId :
TP01-MH1-VOC

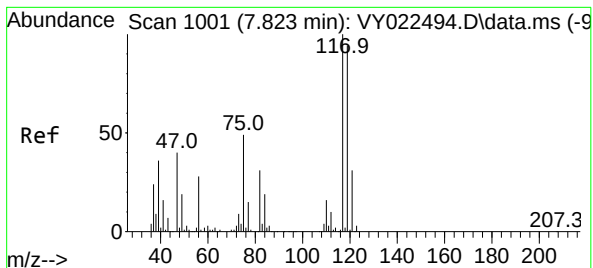
Tgt Ion:113 Resp: 125394
Ion Ratio Lower Upper
113 100
111 101.6 81.1 121.7
192 18.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.839 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022677.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 75 Resp: 19323
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.7#
77 0.4 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.599 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022677.D

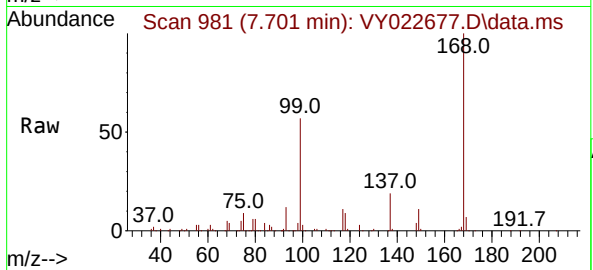
Acq: 12 Jun 2025 16:32

Instrument :

MSVOA_Y

ClientSampleId :

TP01-MH1-VOC



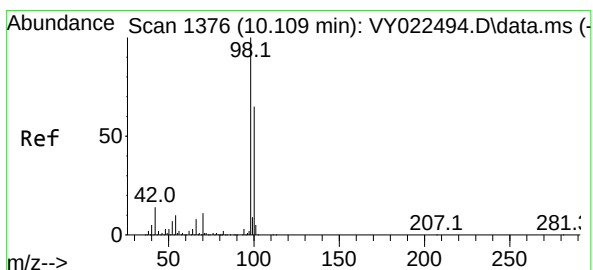
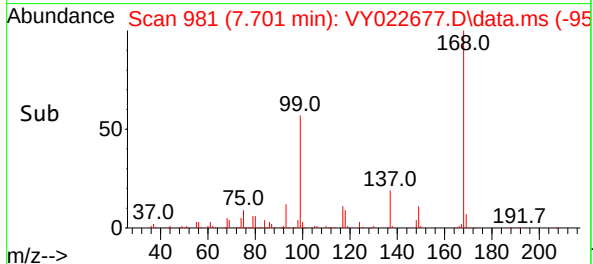
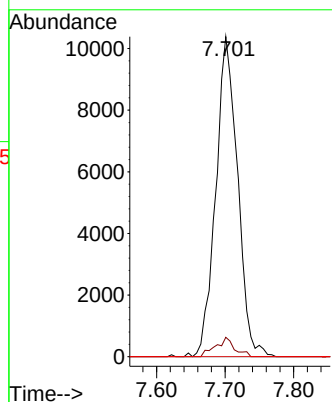
Tgt Ion:117 Resp: 22938

Ion Ratio Lower Upper

117 100

119 6.0 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.185 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022677.D

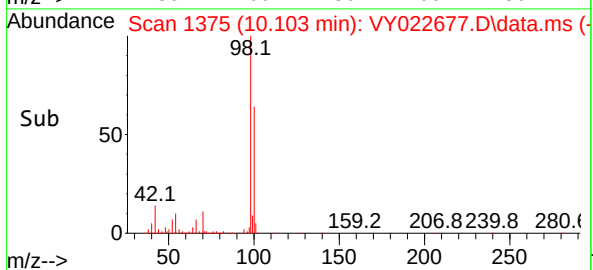
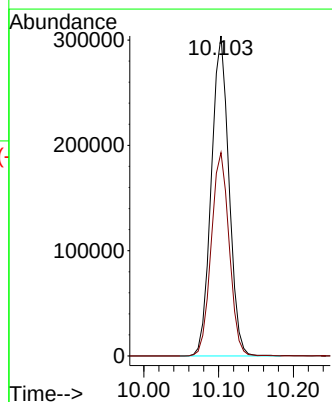
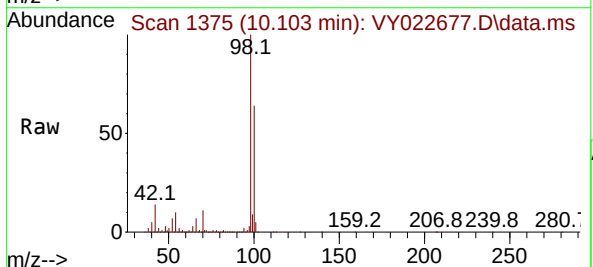
Acq: 12 Jun 2025 16:32

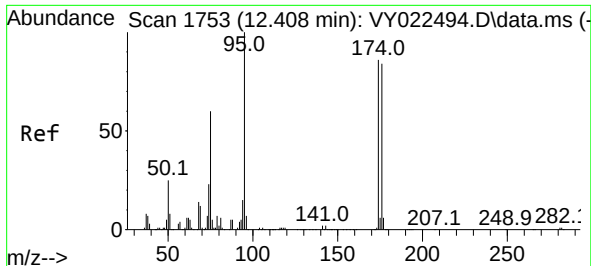
Tgt Ion: 98 Resp: 498952

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0

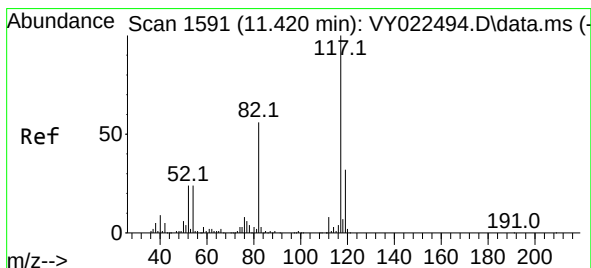
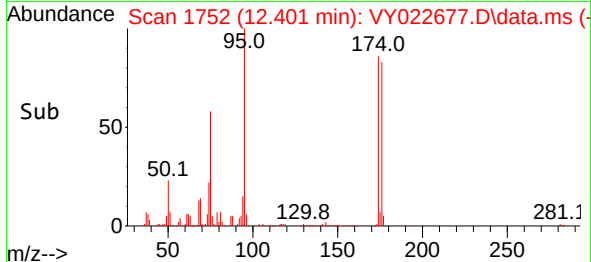
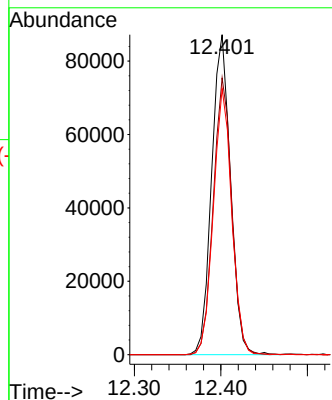
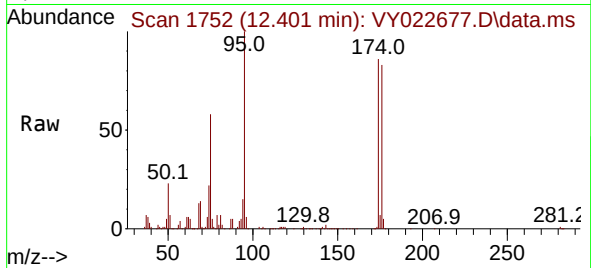




#62
4-Bromofluorobenzene
Concen: 44.400 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022677.D
Acq: 12 Jun 2025 16:32

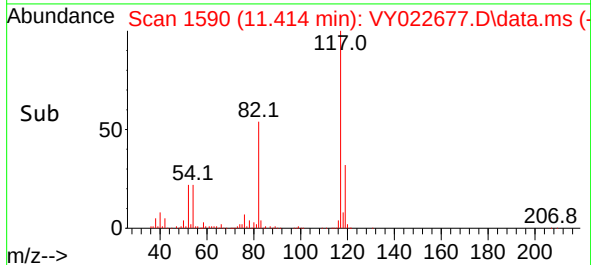
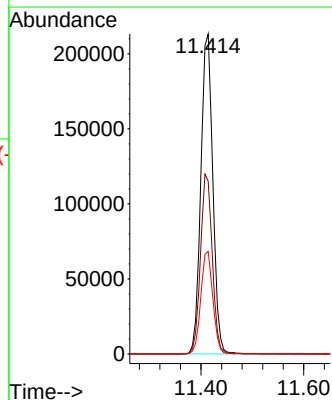
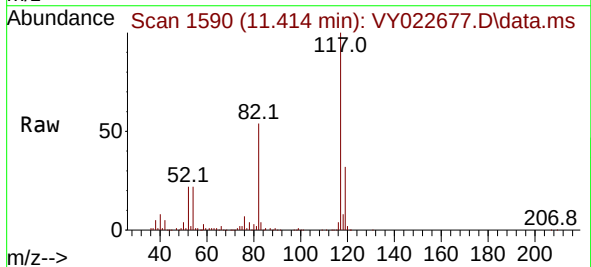
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ClientSampleId :
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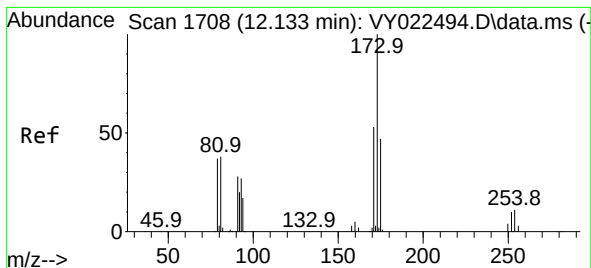
Tgt Ion: 95 Resp: 131524
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.0
176 81.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022677.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 117 Resp: 344431
Ion Ratio Lower Upper
117 100
82 53.9 44.6 66.8
119 32.1 25.4 38.0





#71

Bromoform

Concen: 1.003 ug/l

RT: 12.395 min Scan# 11

Delta R.T. 0.262 min

Lab File: VY022677.D

Acq: 12 Jun 2025 16:32

Instrument :

MSVOA_Y

ClientSampleId :

TP01-MH1-VOC

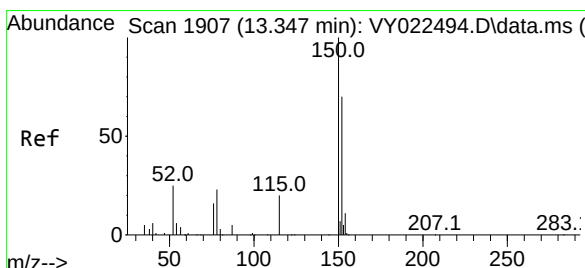
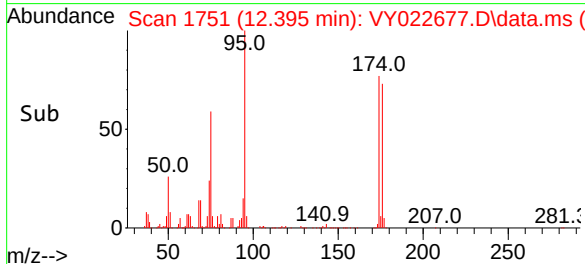
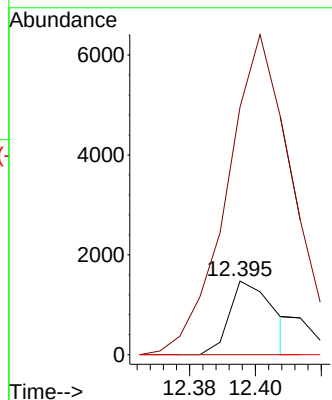
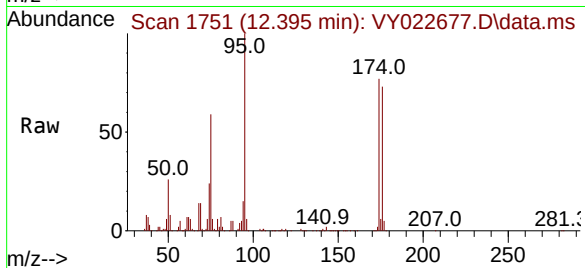
Tgt Ion:173 Resp: 1370

Ion Ratio Lower Upper

173 100

175 538.9 23.8 71.5#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022677.D

Acq: 12 Jun 2025 16:32

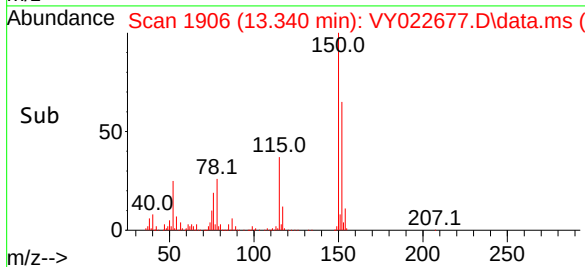
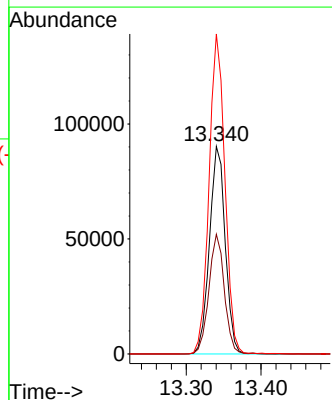
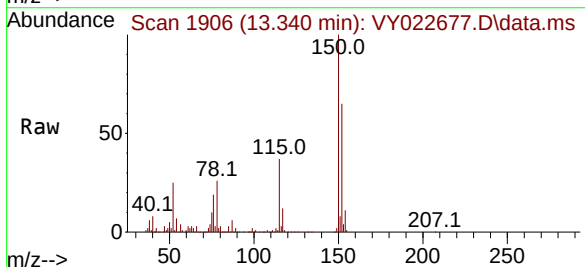
Tgt Ion:152 Resp: 132272

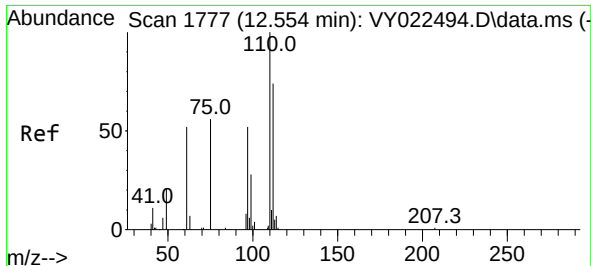
Ion Ratio Lower Upper

152 100

115 56.5 28.9 86.7

150 154.6 0.0 349.6

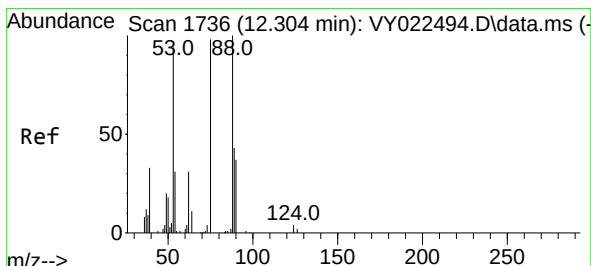
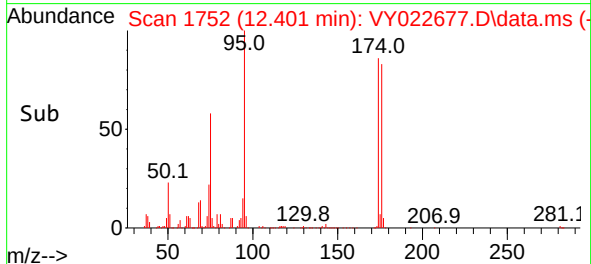
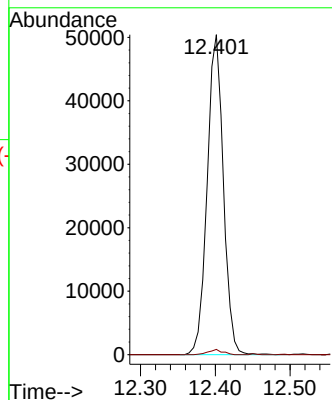
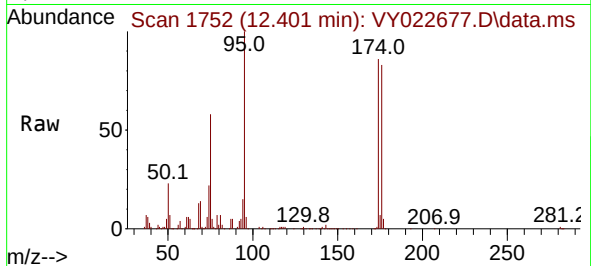




#76
1,2,3-Trichloropropane
Concen: 50.007 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022677.D
Acq: 12 Jun 2025 16:32

Instrument :
MSVOA_Y
ClientSampleId :
TP01-MH1-VOC

Tgt Ion: 75 Resp: 75673
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.764 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022677.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 75 Resp: 75673
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

