

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022502.D
 Acq On : 02 Jun 2025 17:10
 Operator : SY/MD
 Sample : Q2160-02
 Misc : 6.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP04-MHG-VOC

Quant Time: Jun 03 04:08:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

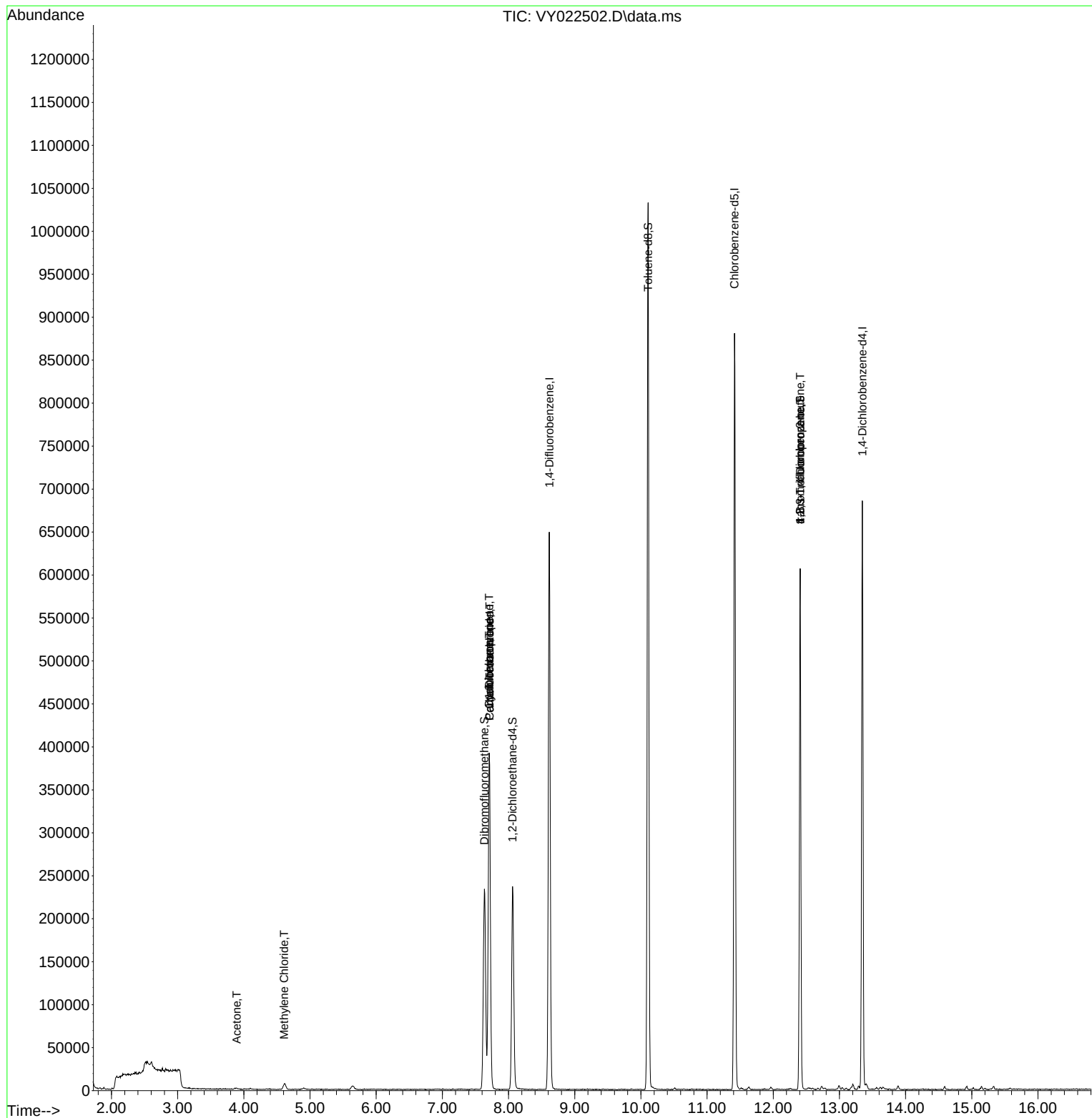
Internal Standards						
1) Pentafluorobenzene	7.713	168	291327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	537587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	429481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	154391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	177294	54.413	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.820%	
35) Dibromofluoromethane	7.634	113	163748	51.032	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.060%	
50) Toluene-d8	10.109	98	643630	49.642	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.280%	
62) 4-Bromofluorobenzene	12.408	95	165233	42.773	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.540%	
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	2115	3.196	ug/l	100
20) Methylene Chloride	4.610	84	4219	1.122	ug/l #	80
31) Cyclohexane	7.707	56	8430	1.346	ug/l #	37
36) 1,1-Dichloropropene	7.707	75	26089	5.010	ug/l #	50
38) Carbon Tetrachloride	7.713	117	29565	5.534	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	96172	54.449	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	96172	131.490	ug/l #	10

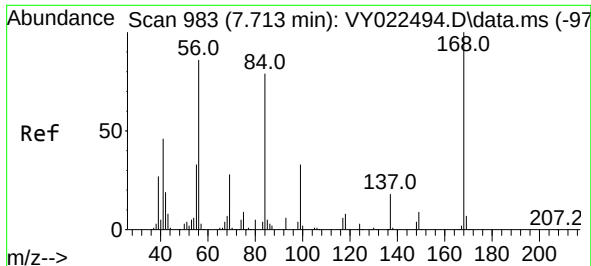
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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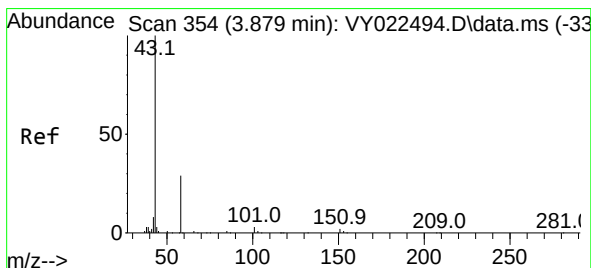
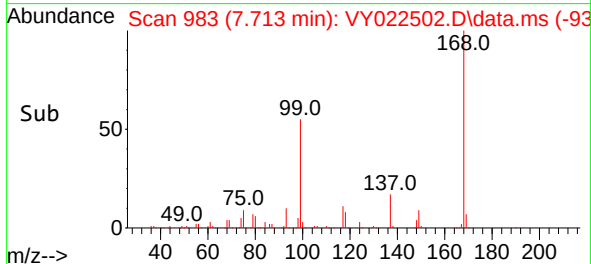
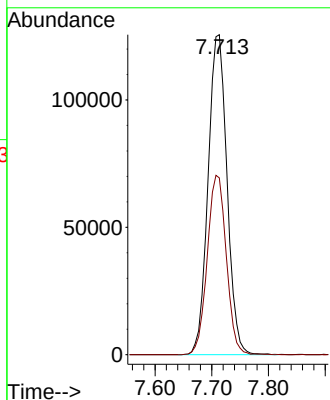
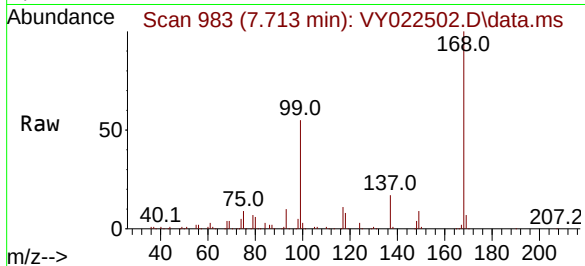




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

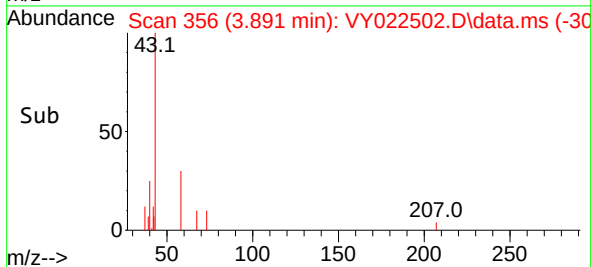
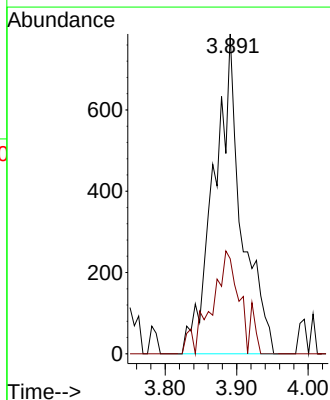
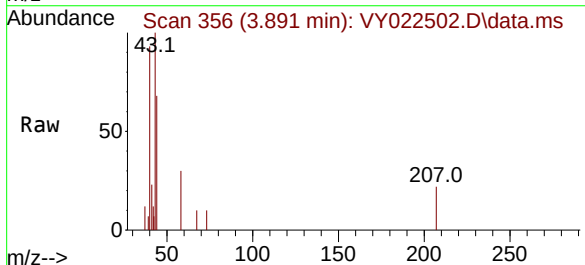
Instrument :
MSVOA_Y
ClientSampleId :
TP04-MHG-VOC

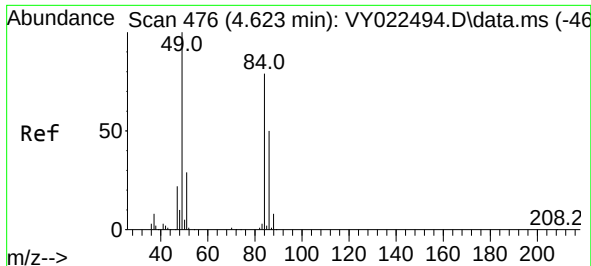
Tgt Ion:168 Resp: 291327
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#16
Acetone
Concen: 3.196 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

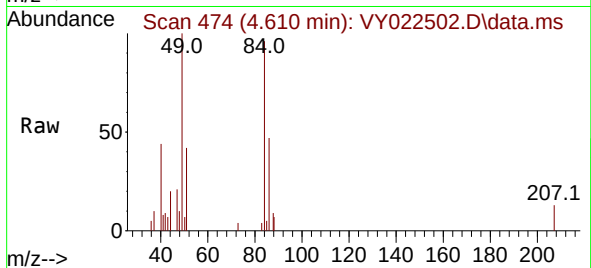
Tgt Ion: 43 Resp: 2115
Ion Ratio Lower Upper
43 100
58 29.7 24.0 36.0



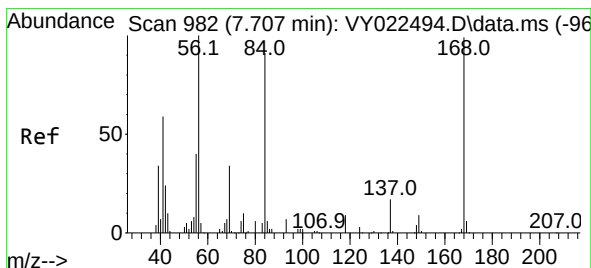
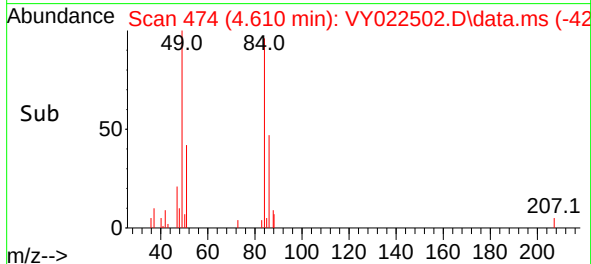
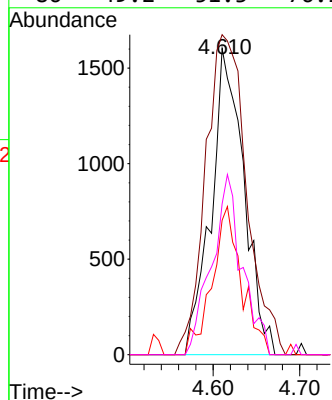


#20
Methylene Chloride
Concen: 1.122 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

Instrument :
MSVOA_Y
ClientSampleId :
TP04-MHG-VOC

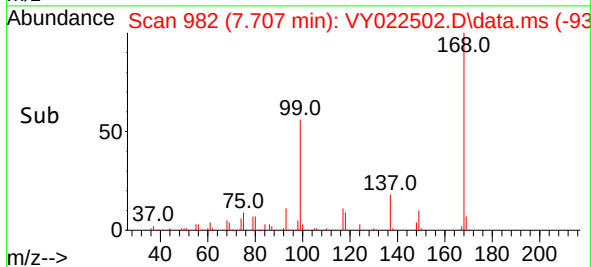
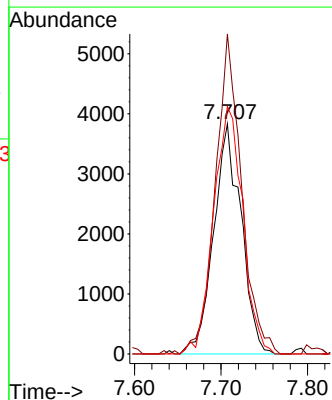
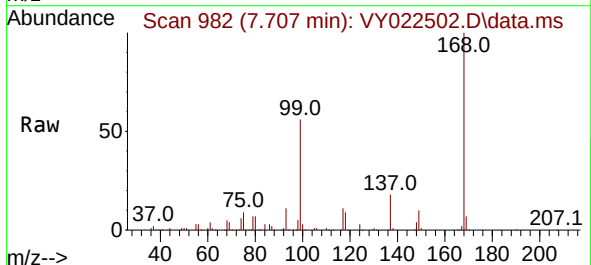


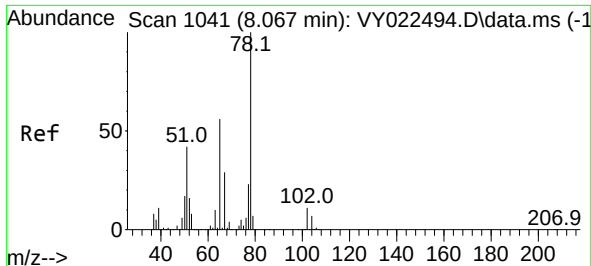
Tgt Ion:	84	Resp:	4219
Ion	Ratio	Lower	Upper
84	100		
49	100.9	101.9	152.9#
51	43.9	29.8	44.8
86	49.2	51.3	76.9#



#31
Cyclohexane
Concen: 1.346 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

Tgt Ion:	56	Resp:	8430
Ion	Ratio	Lower	Upper
56	100		
69	139.0	27.0	40.6#
84	107.5	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 54.413 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022502.D

Acq: 02 Jun 2025 17:10

Instrument :

MSVOA_Y

ClientSampleId :

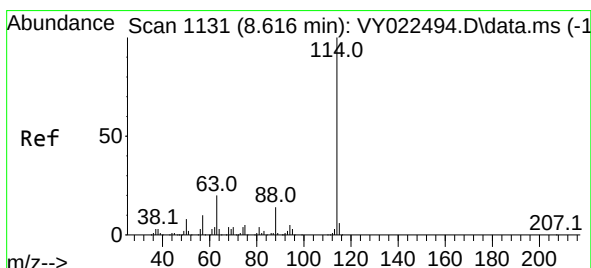
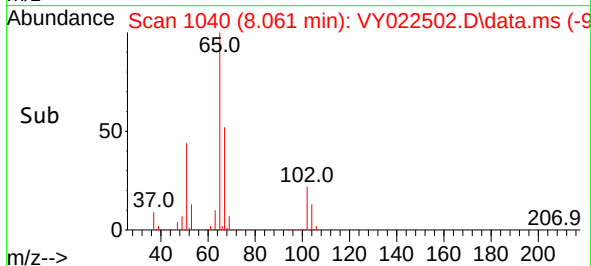
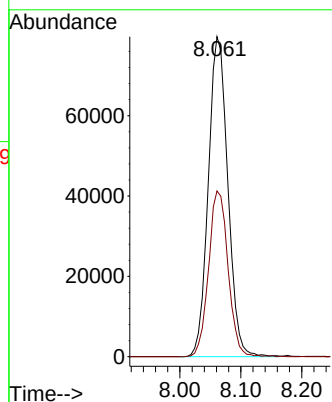
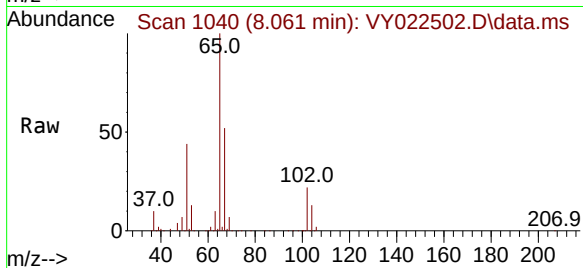
TP04-MHG-VOC

Tgt Ion: 65 Resp: 177294

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022502.D

Acq: 02 Jun 2025 17:10

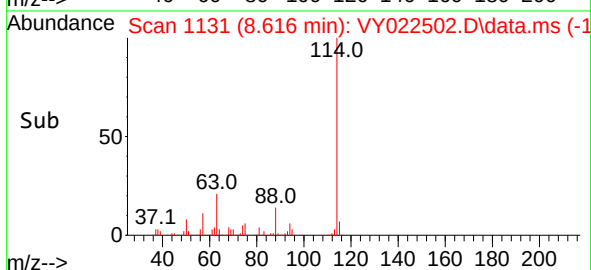
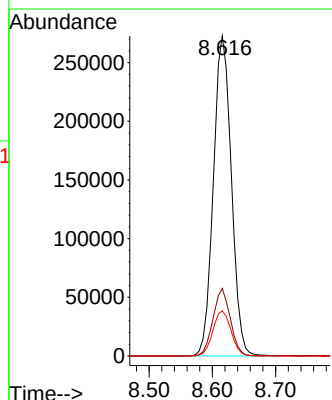
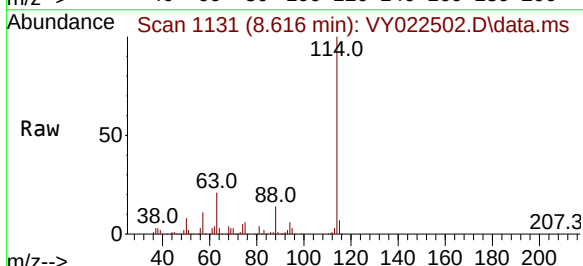
Tgt Ion: 114 Resp: 537587

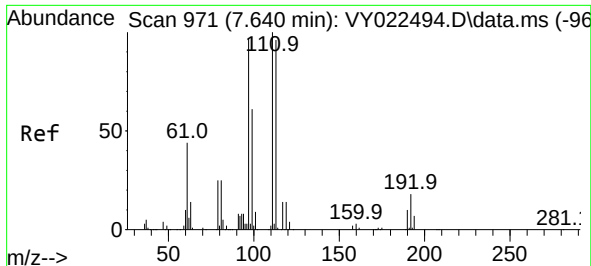
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 14.1 0.0 27.8

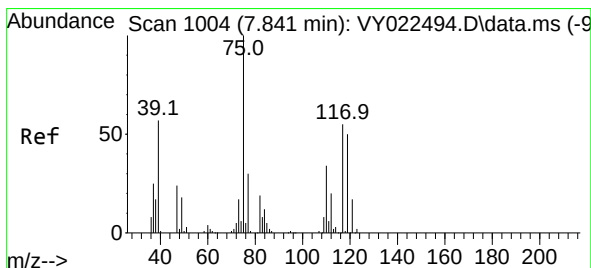
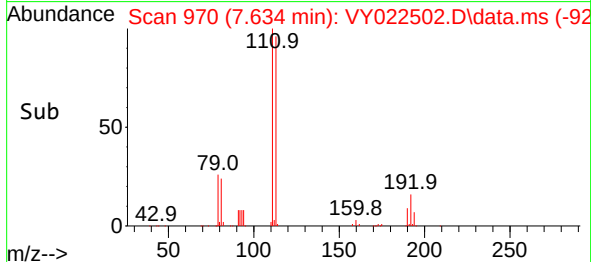
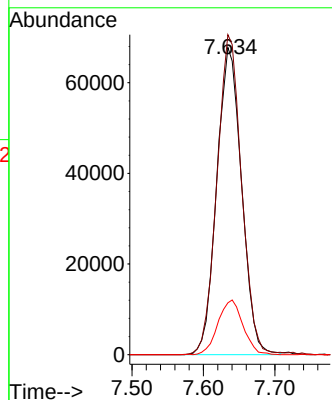
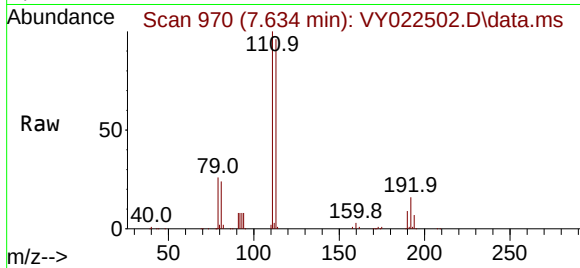




#35
Dibromofluoromethane
Concen: 51.032 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

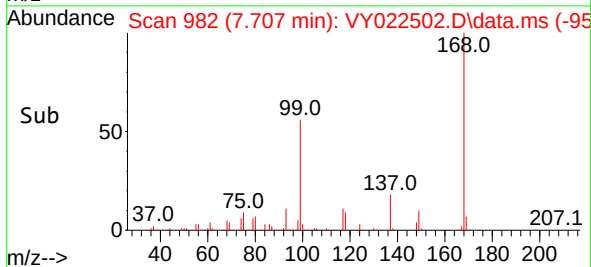
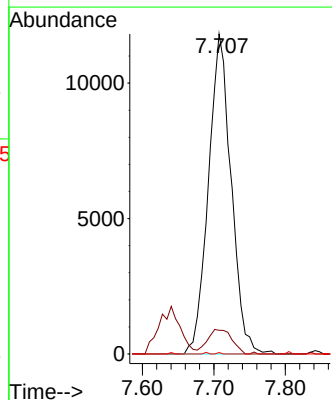
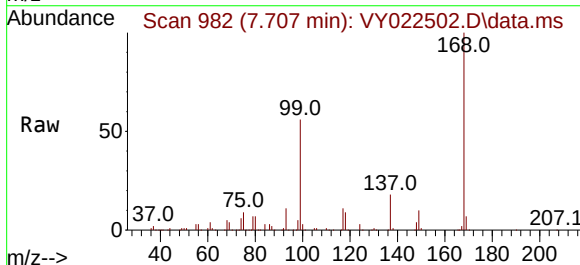
Instrument :
MSVOA_Y
ClientSampleId :
TP04-MHG-VOC

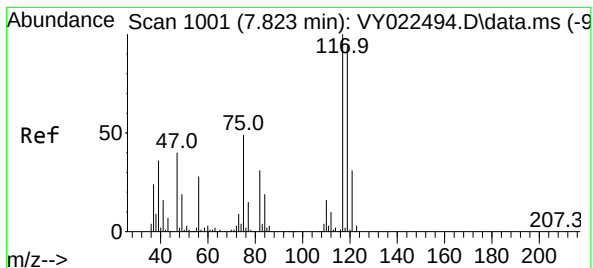
Tgt Ion:113 Resp: 163748
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 18.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.010 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

Tgt Ion: 75 Resp: 26089
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.7#
77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.534 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY022502.D

Acq: 02 Jun 2025 17:10

Instrument :

MSVOA_Y

ClientSampleId :

TP04-MHG-VOC

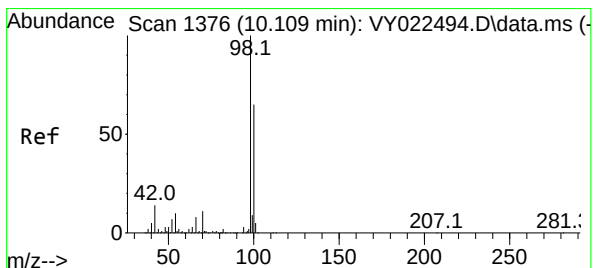
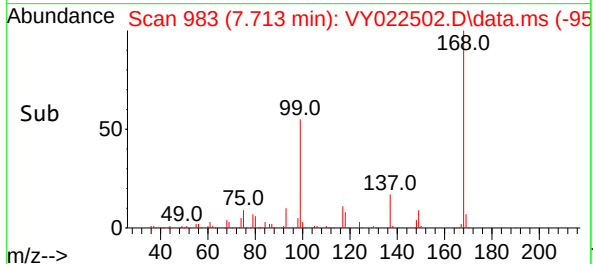
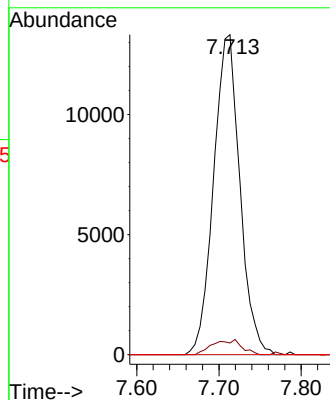
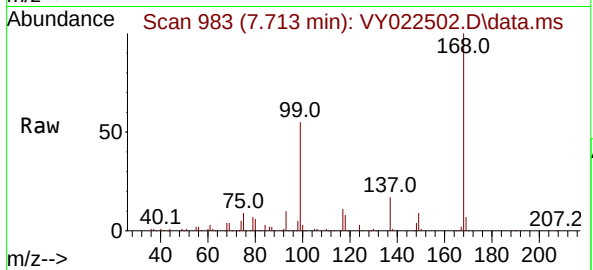
Tgt Ion:117 Resp: 29565

Ion Ratio Lower Upper

117 100

119 3.7 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 49.642 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022502.D

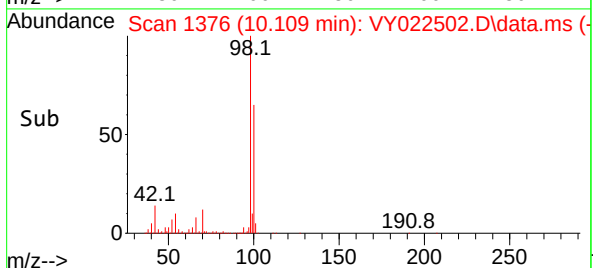
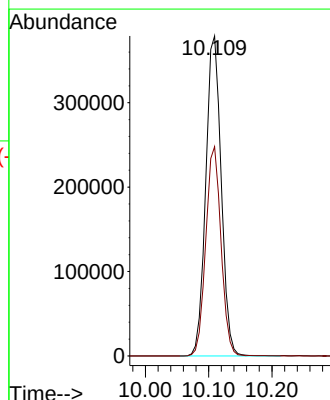
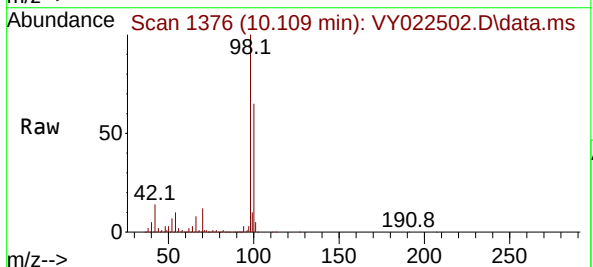
Acq: 02 Jun 2025 17:10

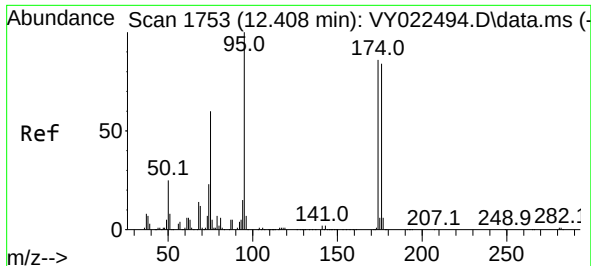
Tgt Ion: 98 Resp: 643630

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0

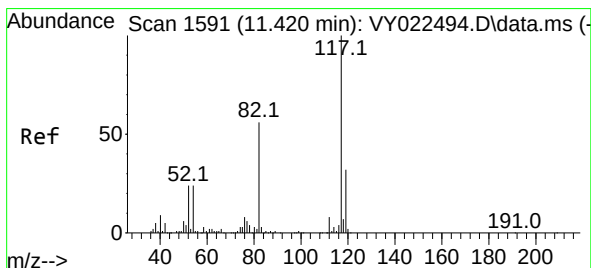
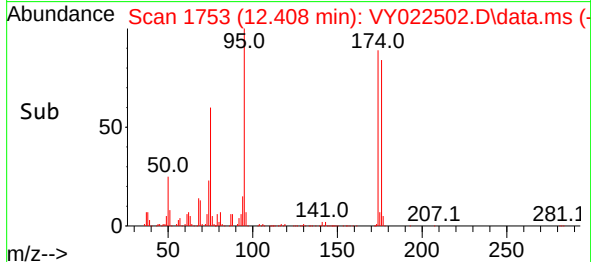
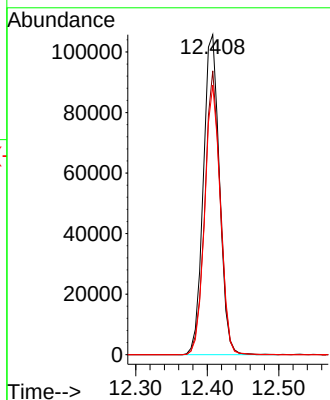
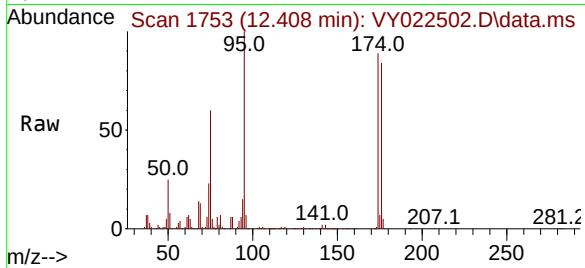




#62
4-Bromofluorobenzene
Concen: 42.773 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

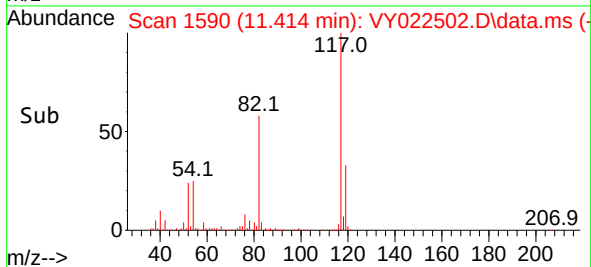
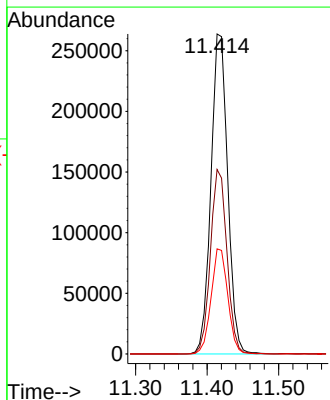
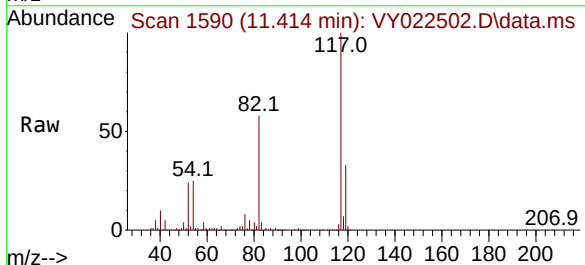
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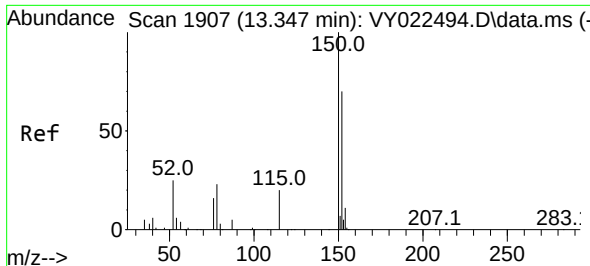
Tgt Ion: 95 Resp: 165233
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 82.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022502.D
Acq: 02 Jun 2025 17:10

Tgt Ion: 117 Resp: 429481
Ion Ratio Lower Upper
117 100
82 57.6 44.6 66.8
119 32.9 25.4 38.0

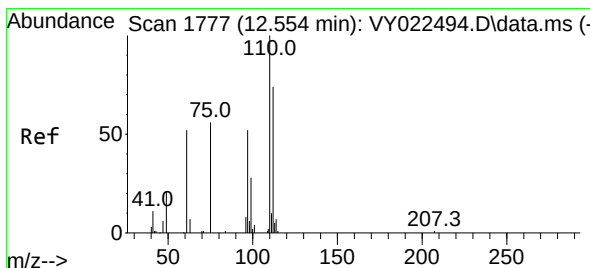
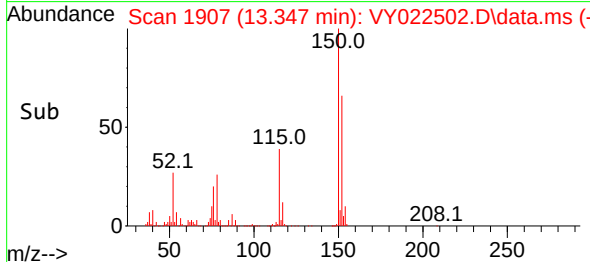
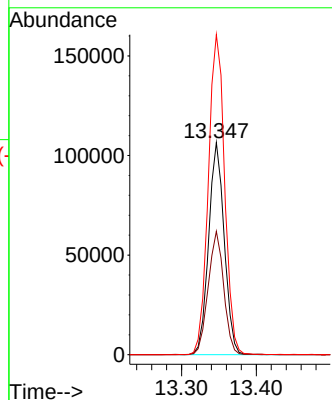
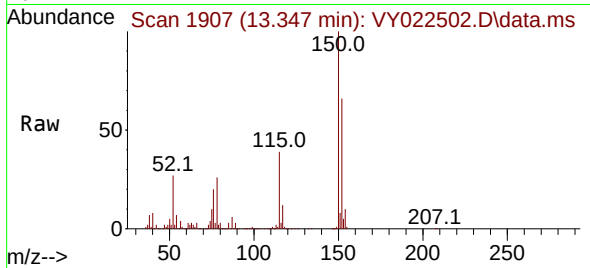




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022502.D
 Acq: 02 Jun 2025 17:10

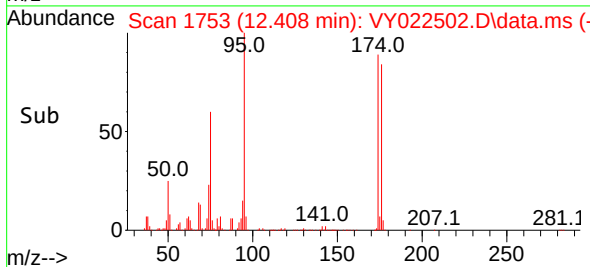
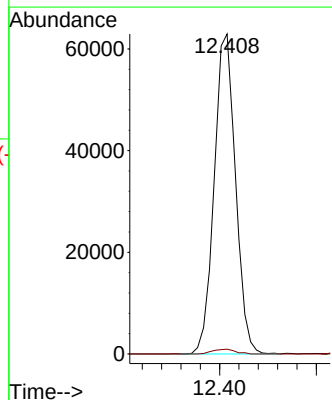
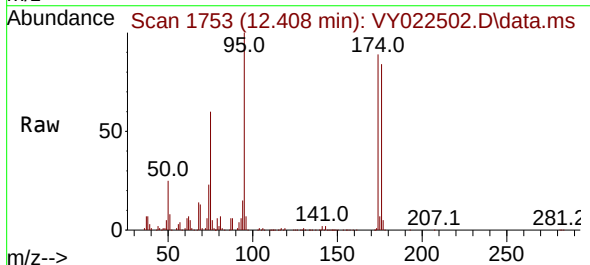
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP04-MHG-VOC

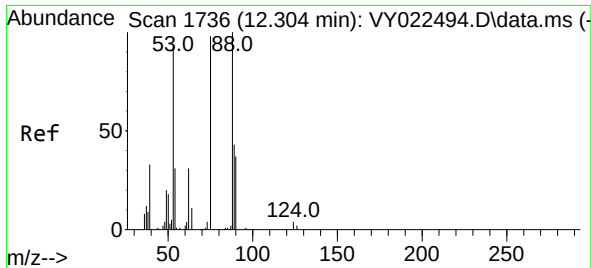
Tgt Ion:152 Resp: 154391
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.9 86.7
 150 157.6 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 54.449 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022502.D
 Acq: 02 Jun 2025 17:10

Tgt Ion: 75 Resp: 96172
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.490 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022502.D
 Acq: 02 Jun 2025 17:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP04-MHG-VOC

Tgt Ion: 75 Resp: 96172
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

