

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022672.D
 Acq On : 12 Jun 2025 14:33
 Operator : SY/MD
 Sample : Q2296-11
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3-VOC

Quant Time: Jun 13 05:41:16 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)

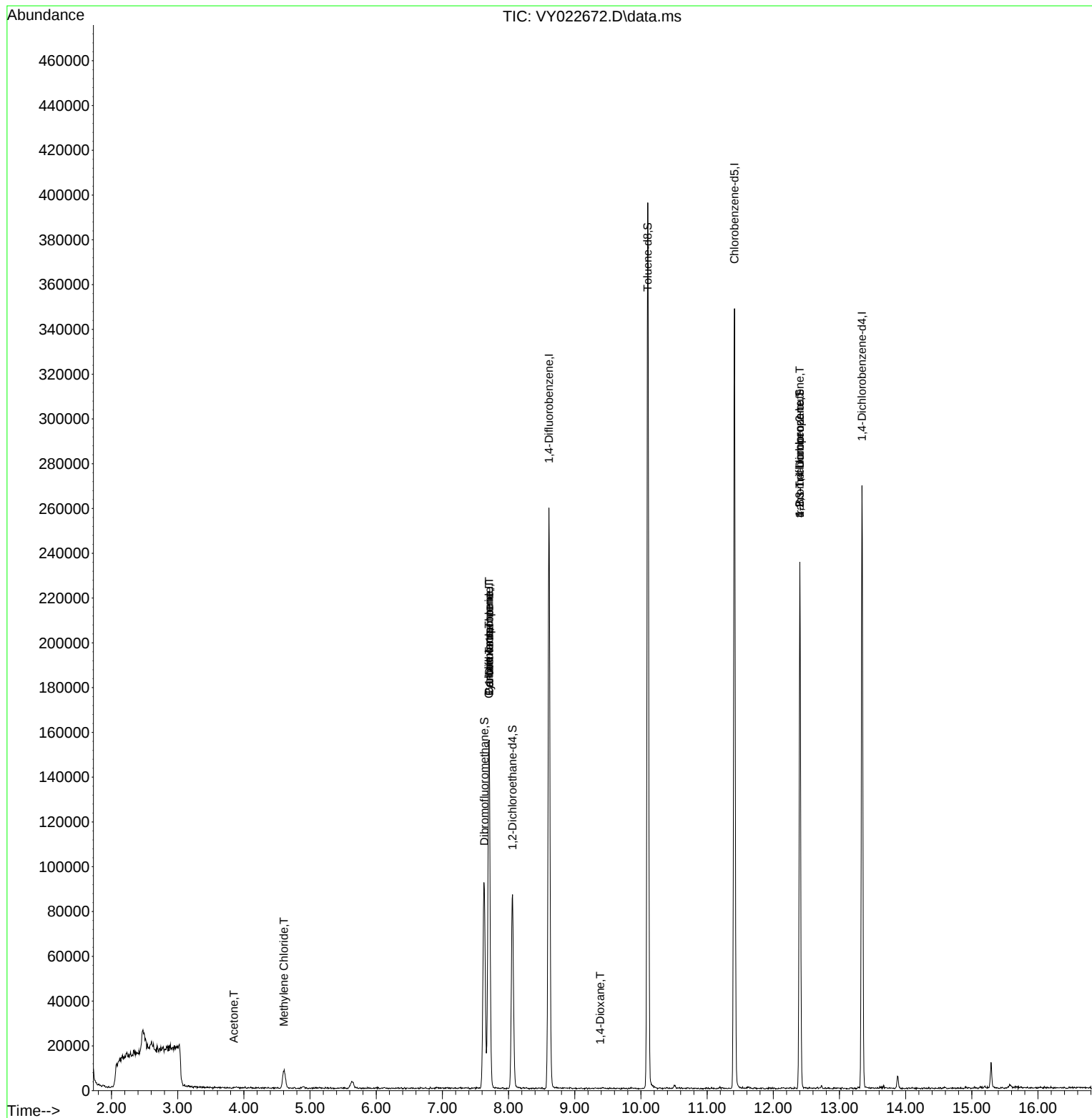
Internal Standards						
1) Pentafluorobenzene	7.707	168	117553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	213204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	171852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	62966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	65452	49.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.560%
35) Dibromofluoromethane	7.634	113	63219	49.678	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.360%
50) Toluene-d8	10.103	98	251997	49.008	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.401	95	62623	40.875	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.760%
Target Compounds						
					Qvalue	
16) Acetone	3.848	43	277	1.037	ug/l #	45
20) Methylene Chloride	4.604	84	5721	3.772	ug/l #	94
31) Cyclohexane	7.701	56	3407	1.349	ug/l #	55
36) 1,1-Dichloropropene	7.707	75	10867	5.261	ug/l #	51
38) Carbon Tetrachloride	7.707	117	12542	5.919	ug/l #	18
49) 1,4-Dioxane	9.383	88	32	3.330	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	36889	51.210	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	36889	123.668	ug/l #	10

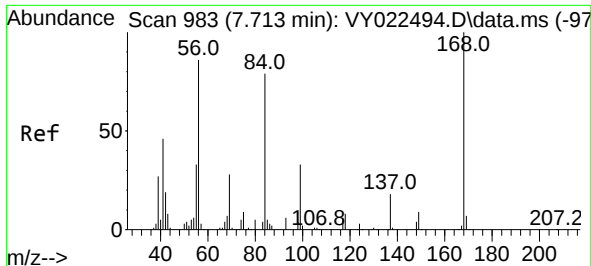
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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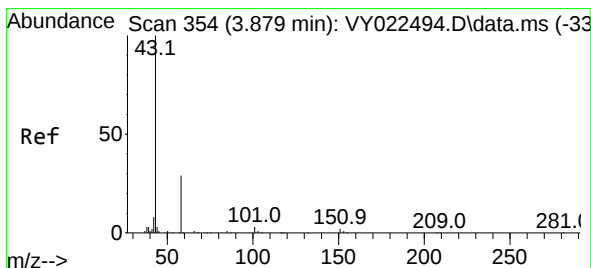
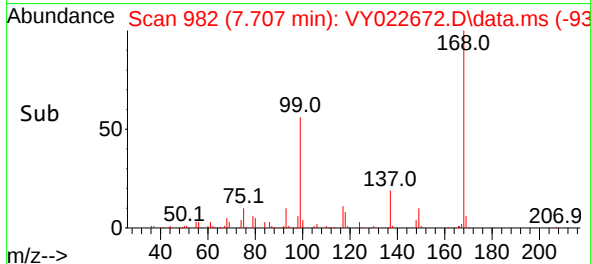
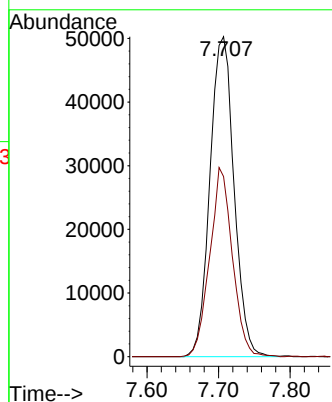
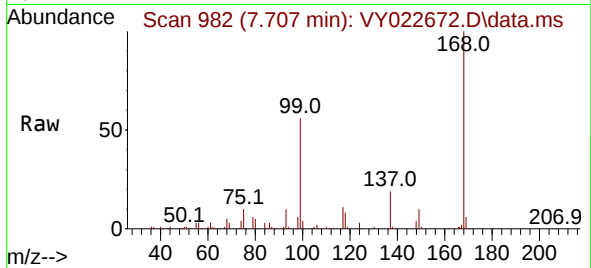




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

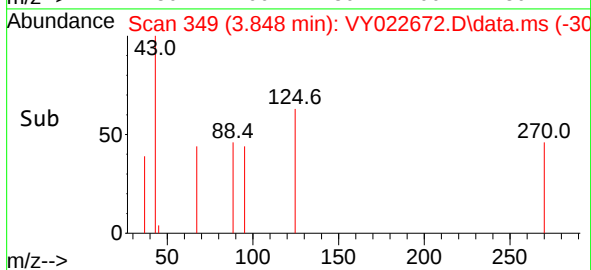
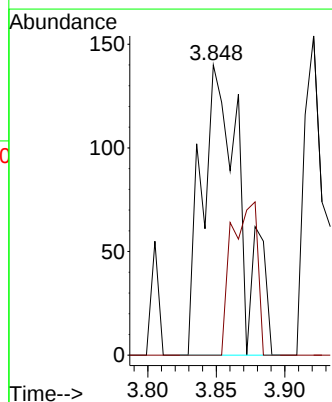
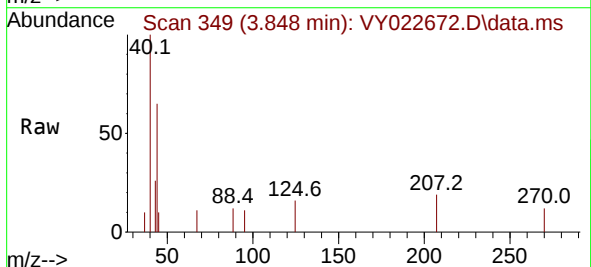
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

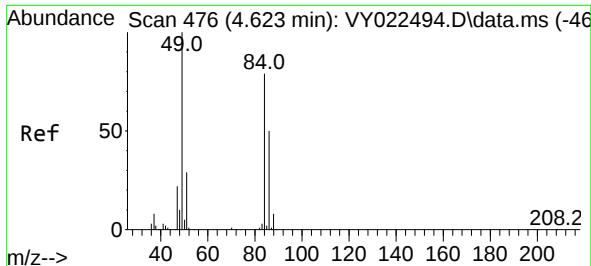
Tgt Ion:168 Resp: 117553
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#16
Acetone
Concen: 1.037 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.031 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

Tgt Ion: 43 Resp: 277
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

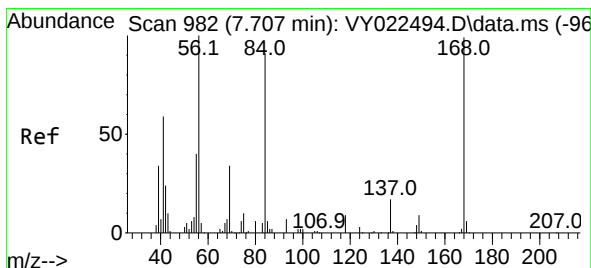
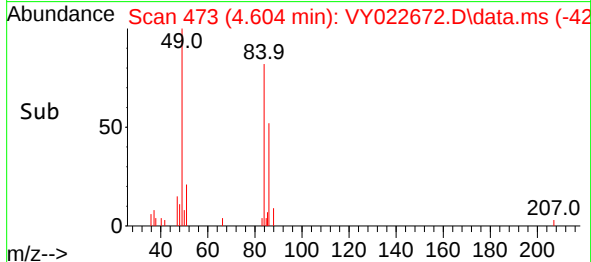
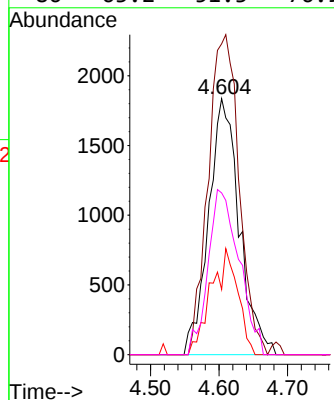
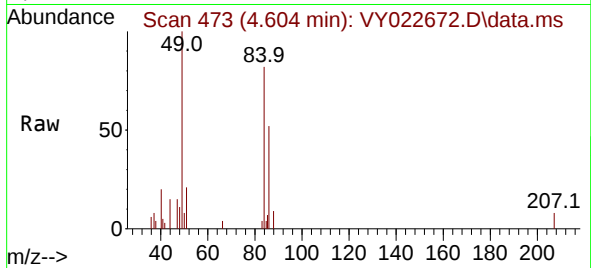




#20
Methylene Chloride
Concen: 3.772 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.019 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

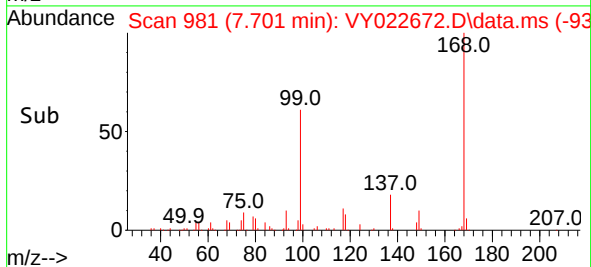
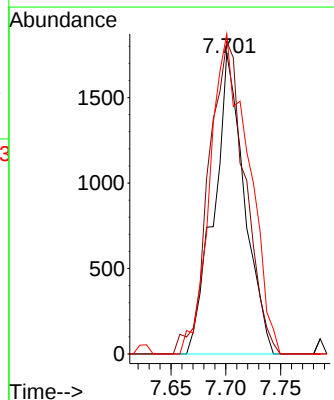
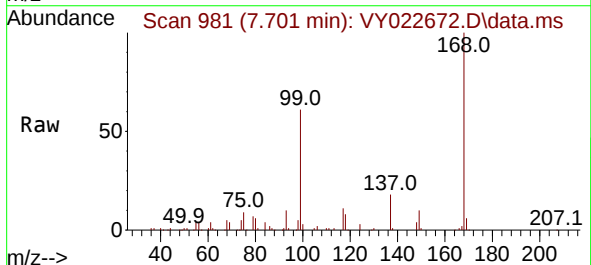
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

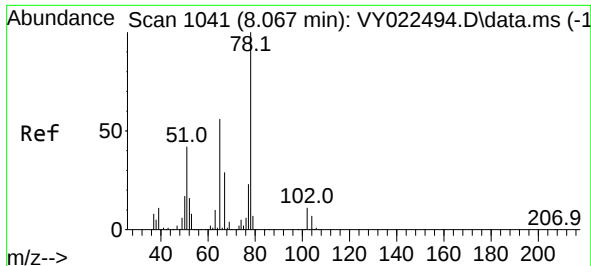
Tgt Ion:	84	Resp:	5721
Ion	Ratio	Lower	Upper
84	100		
49	121.5	101.9	152.9
51	25.5	29.8	44.8#
86	63.2	51.3	76.9



#31
Cyclohexane
Concen: 1.349 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.007 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

Tgt Ion:	56	Resp:	3407
Ion	Ratio	Lower	Upper
56	100		
69	103.9	27.0	40.6#
84	106.3	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 49.782 ug/l

RT: 8.060 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VY022672.D

Acq: 12 Jun 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

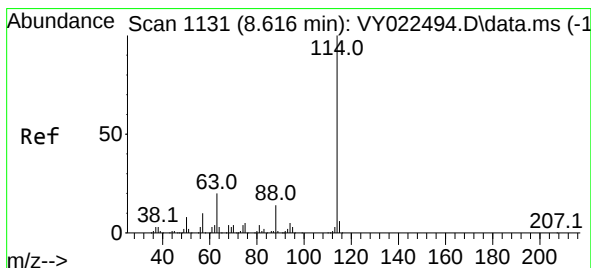
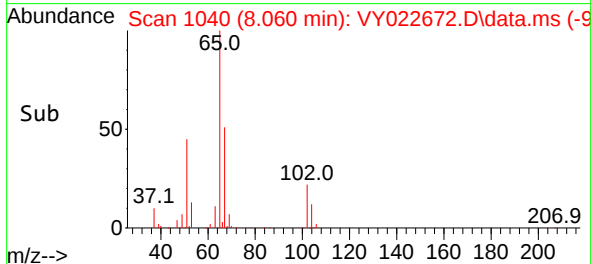
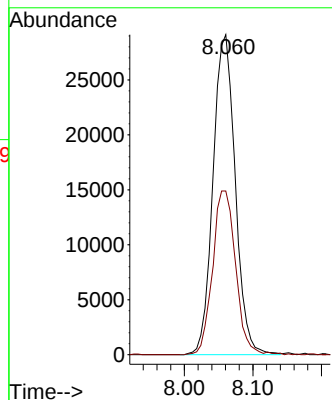
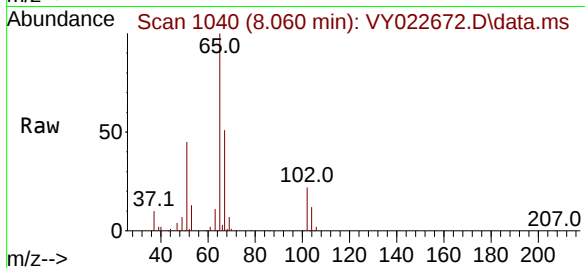
WC-3-VOC

Tgt Ion: 65 Resp: 65452

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VY022672.D

Acq: 12 Jun 2025 14:33

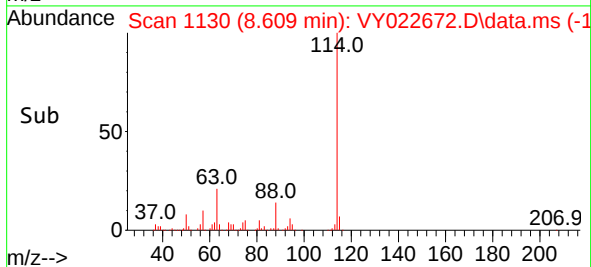
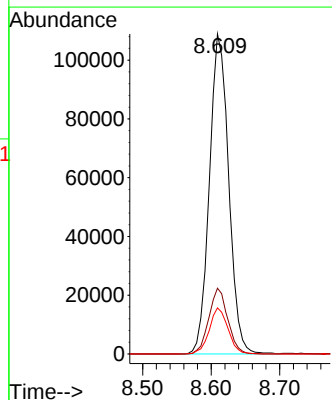
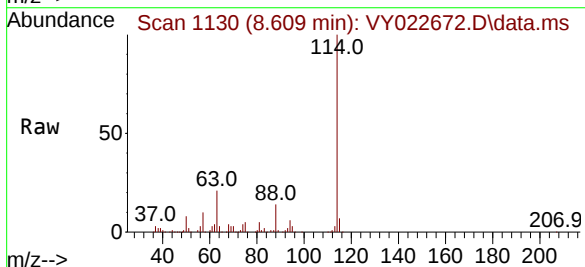
Tgt Ion: 114 Resp: 213204

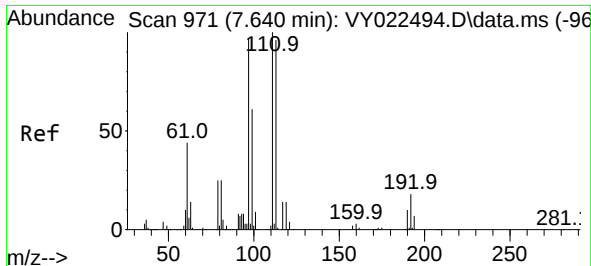
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 14.4 0.0 27.8

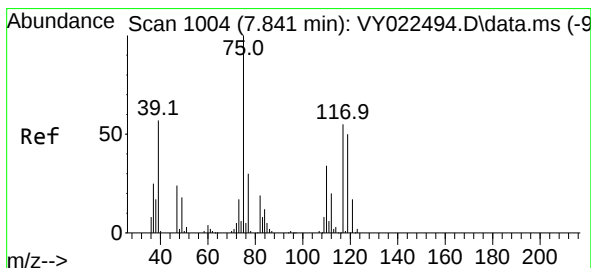
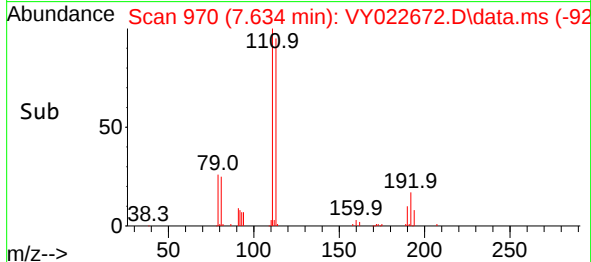
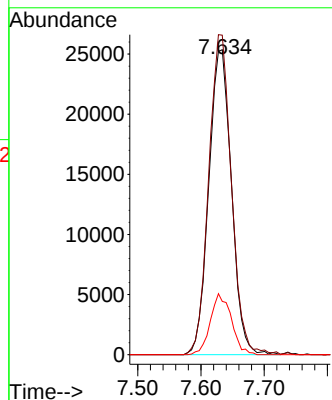
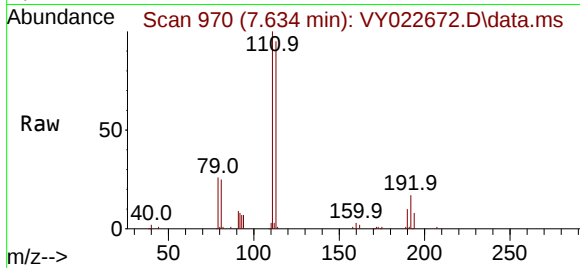




#35
Dibromofluoromethane
Concen: 49.678 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

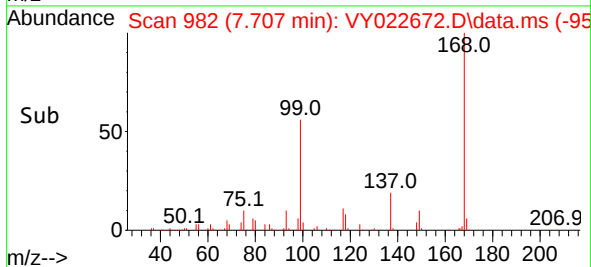
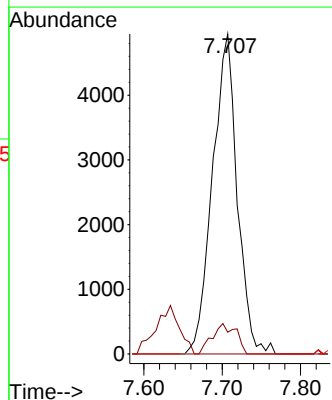
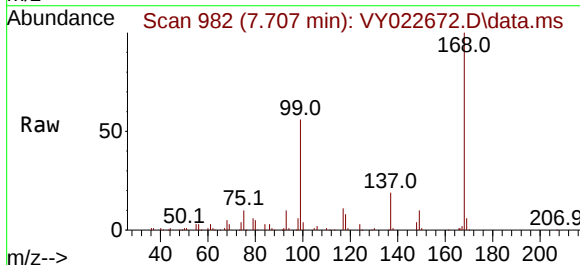
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

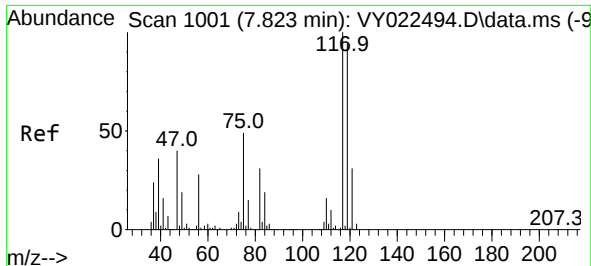
Tgt Ion:113 Resp: 63219
Ion Ratio Lower Upper
113 100
111 104.8 81.1 121.7
192 18.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.261 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.135 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

Tgt Ion: 75 Resp: 10867
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.0 24.8 37.2#

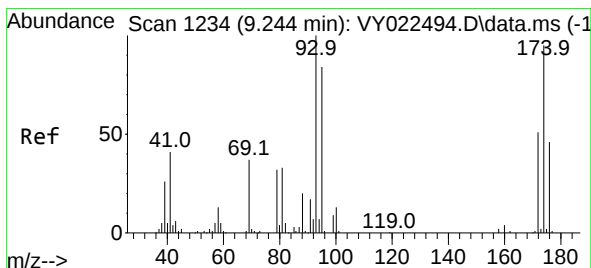
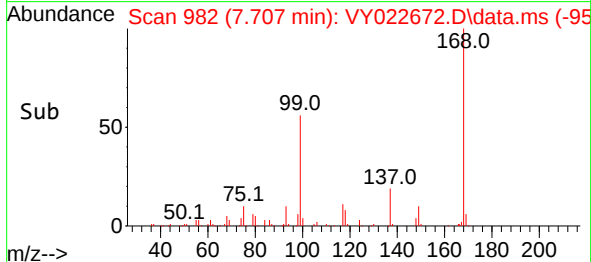
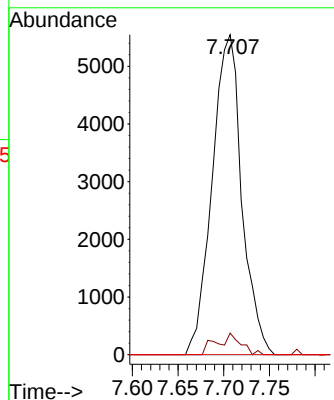
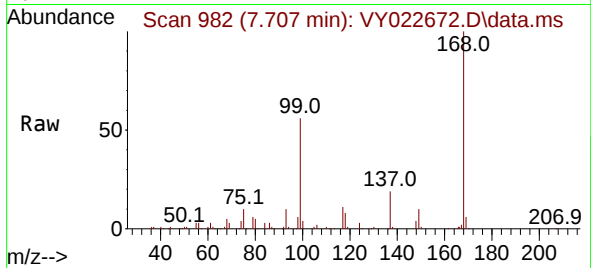




#38
Carbon Tetrachloride
Concen: 5.919 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

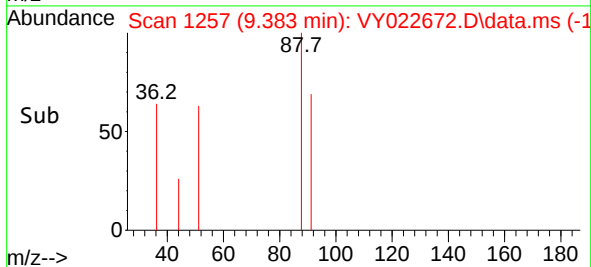
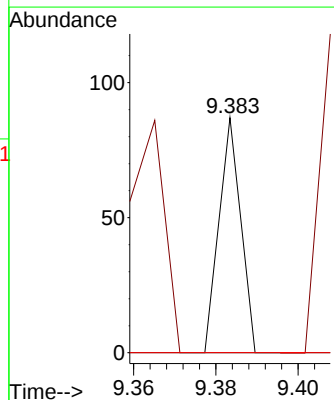
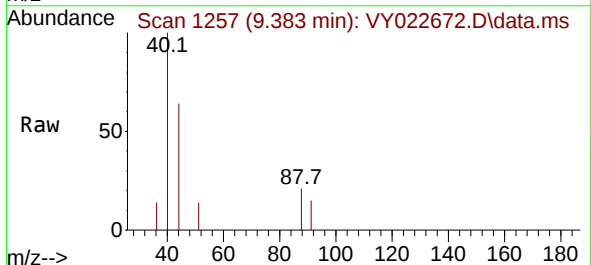
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

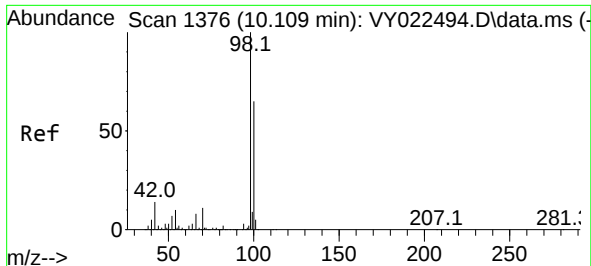
Tgt Ion:117 Resp: 12542
Ion Ratio Lower Upper
117 100
119 6.7 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 3.330 ug/l
RT: 9.383 min Scan# 1257
Delta R.T. 0.140 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

Tgt Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 162.5 25.4 38.2#
58 0.0 54.9 82.3#

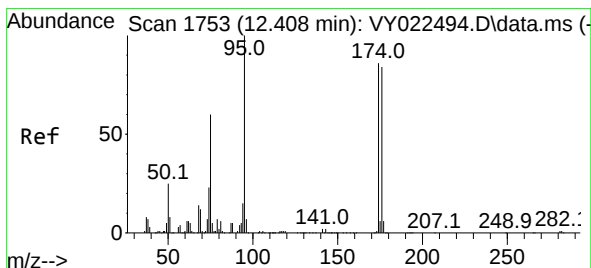
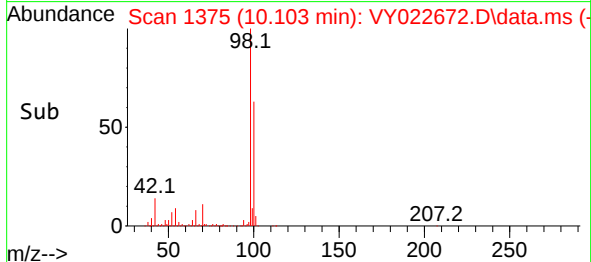
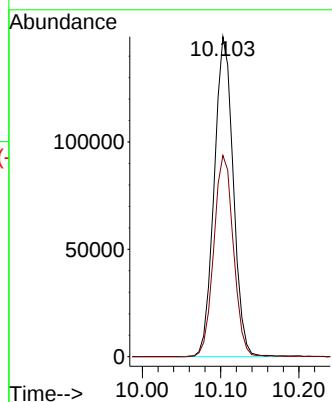
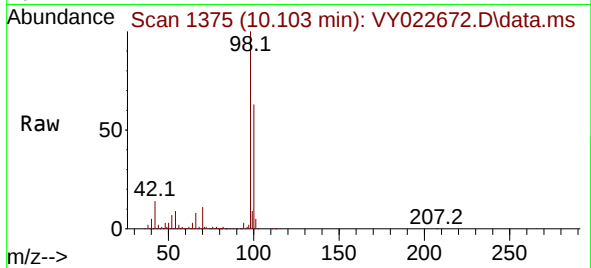




#50
Toluene-d8
Concen: 49.008 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

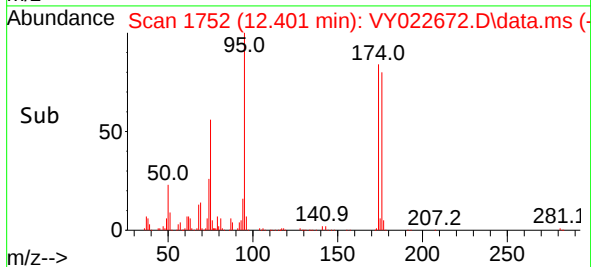
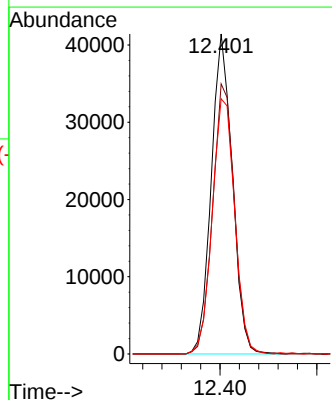
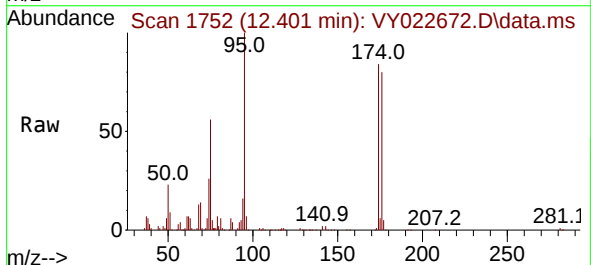
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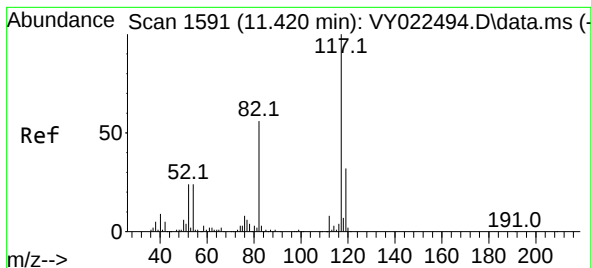
Tgt Ion: 98 Resp: 251997
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.875 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

Tgt Ion: 95 Resp: 62623
Ion Ratio Lower Upper
95 100
174 87.0 0.0 170.0
176 85.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY022672.D

Acq: 12 Jun 2025 14:33

Instrument :

MSVOA_Y

ClientSampleId :

WC-3-VOC

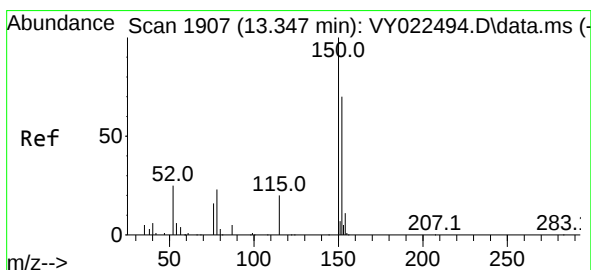
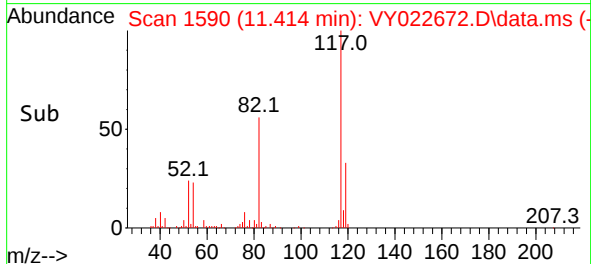
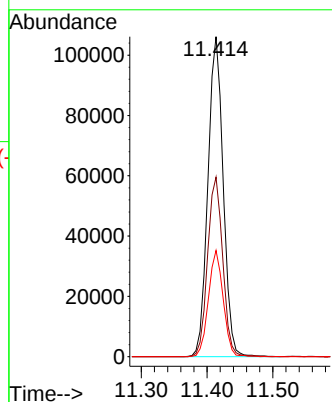
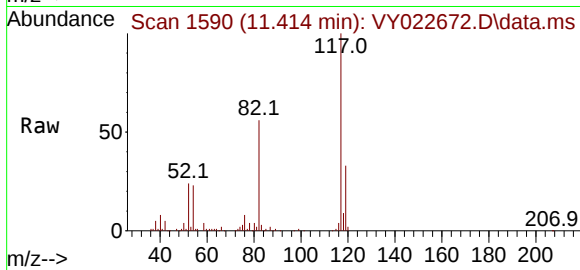
Tgt Ion:117 Resp: 171852

Ion Ratio Lower Upper

117 100

82 56.1 44.6 66.8

119 33.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.007 min

Lab File: VY022672.D

Acq: 12 Jun 2025 14:33

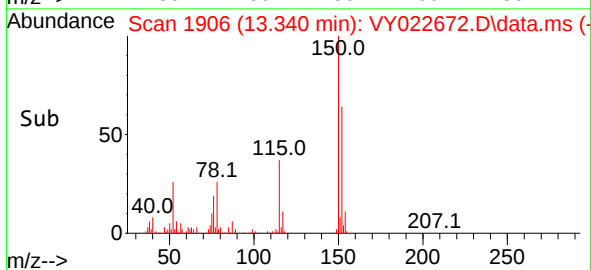
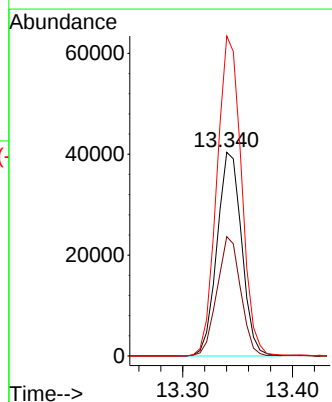
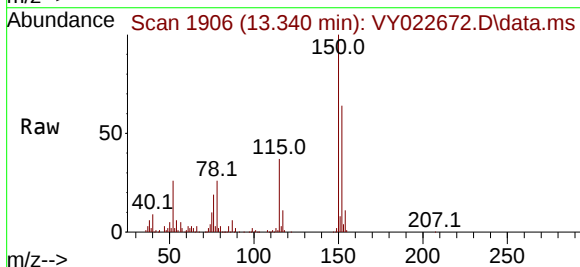
Tgt Ion:152 Resp: 62966

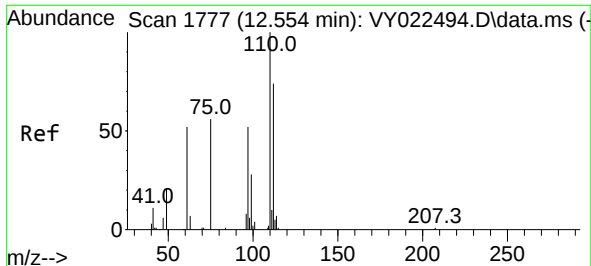
Ion Ratio Lower Upper

152 100

115 56.6 28.9 86.7

150 157.0 0.0 349.6

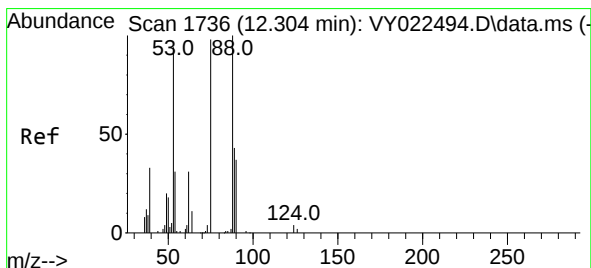
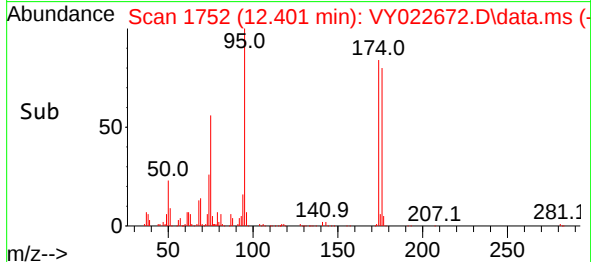
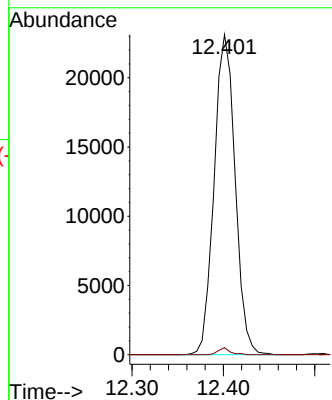
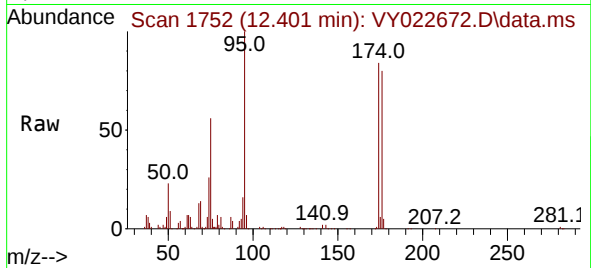




#76
1,2,3-Trichloropropane
Concen: 51.210 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

Tgt Ion: 75 Resp: 36889
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.668 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022672.D
Acq: 12 Jun 2025 14:33

Tgt Ion: 75 Resp: 36889
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

