

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022670.D
 Acq On : 12 Jun 2025 13:45
 Operator : SY/MD
 Sample : Q2296-03
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Jun 13 05:40:29 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)

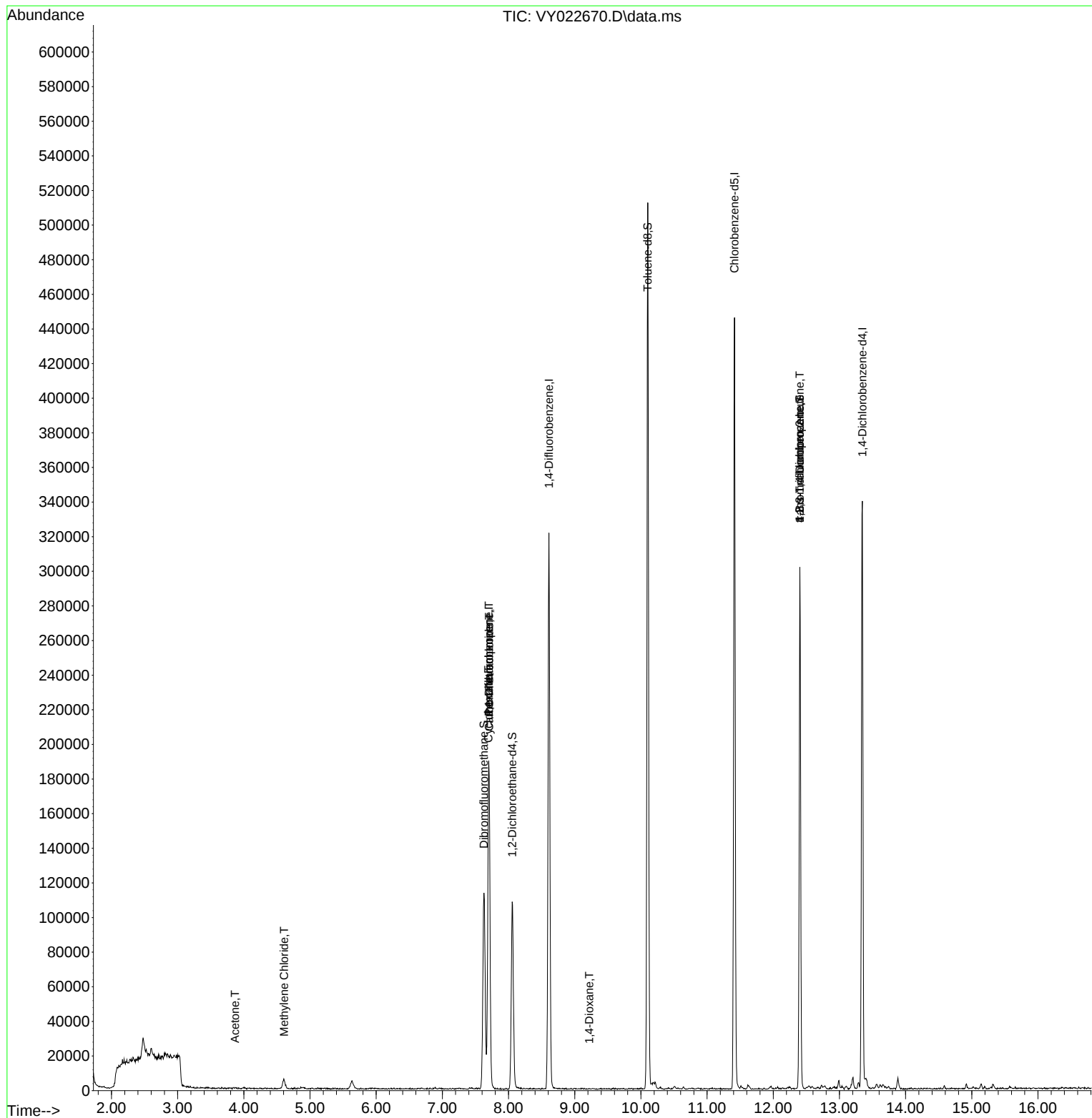
Internal Standards						
1) Pentafluorobenzene	7.701	168	143494	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	263704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	216883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	78884	49.152	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.300%
35) Dibromofluoromethane	7.628	113	78416	49.820	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.640%
50) Toluene-d8	10.103	98	314179	49.400	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.800%
62) 4-Bromofluorobenzene	12.402	95	80766	42.622	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.240%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	327	1.003	ug/l #	45
20) Methylene Chloride	4.610	84	3489	1.885	ug/l #	72
31) Cyclohexane	7.695	56	4255	1.380	ug/l #	44
36) 1,1-Dichloropropene	7.701	75	12934	5.063	ug/l #	50
38) Carbon Tetrachloride	7.707	117	14672	5.599	ug/l #	16
49) 1,4-Dioxane	9.219	88	19	1.599	ug/l #	3
76) 1,2,3-Trichloropropane	12.402	75	47100	50.866	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	47100	122.839	ug/l #	11

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

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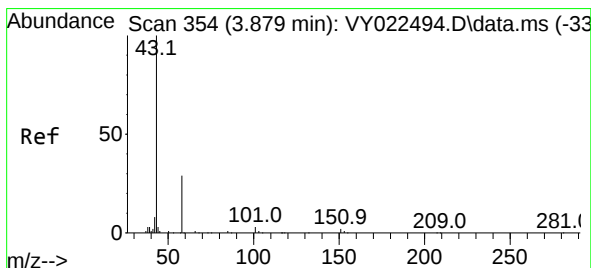
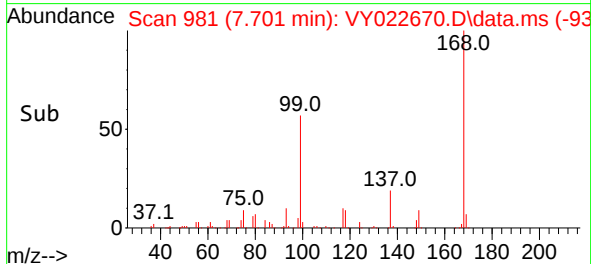
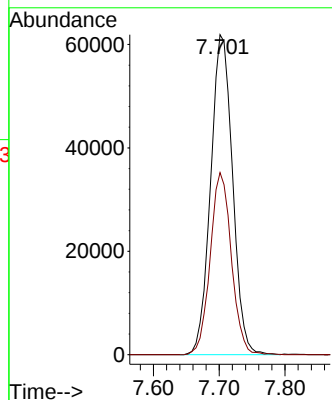
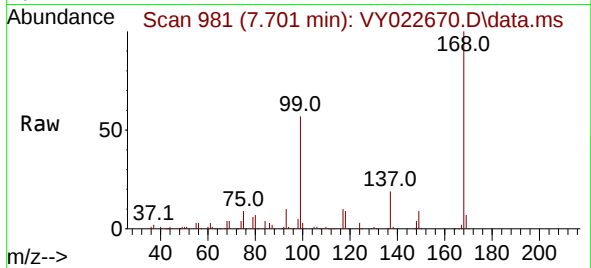




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

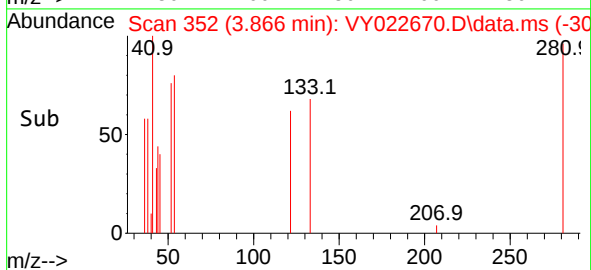
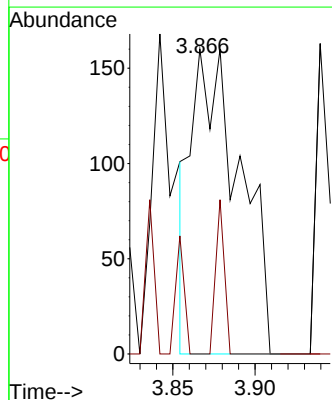
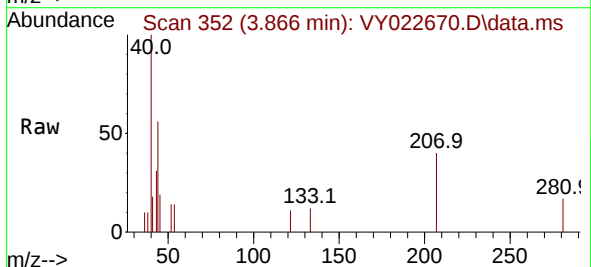
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

Tgt Ion:168 Resp: 143494
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#16
Acetone
Concen: 1.003 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

Tgt Ion: 43 Resp: 327
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



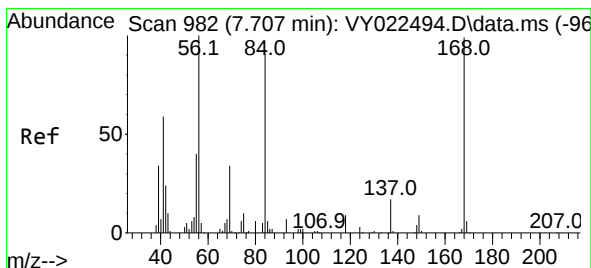
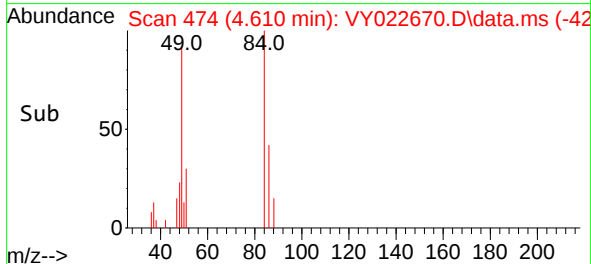
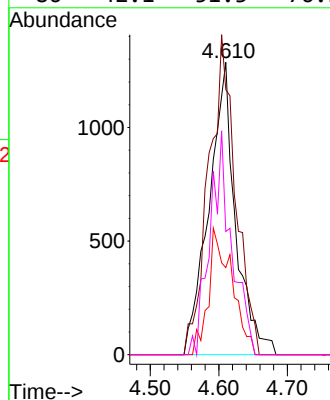
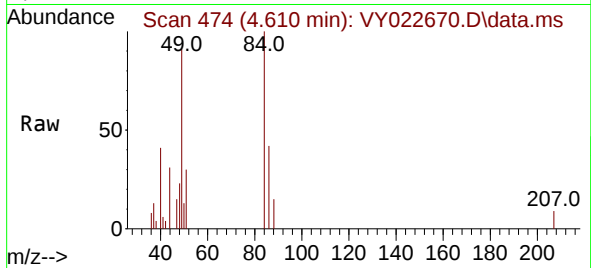


#20
Methylene Chloride
Concen: 1.885 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

Tgt Ion: 84 Resp: 3489

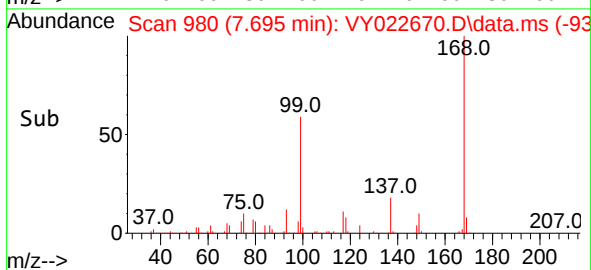
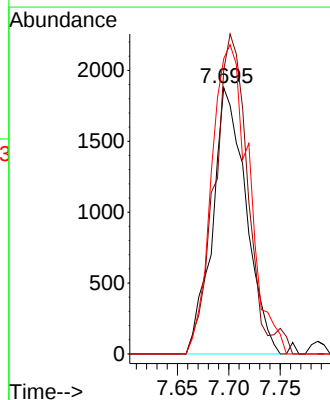
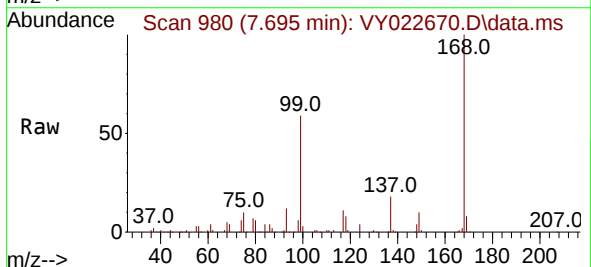
Ion	Ratio	Lower	Upper
84	100		
49	90.7	101.9	152.9#
51	29.8	29.8	44.8#
86	42.1	51.3	76.9#

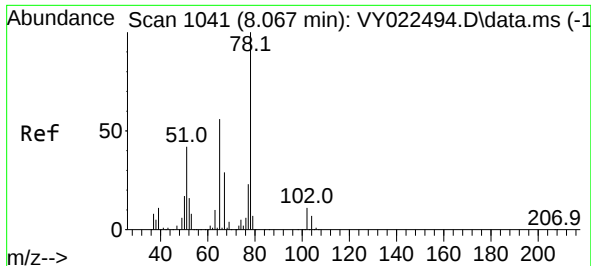


#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

Tgt Ion: 56 Resp: 4255

Ion	Ratio	Lower	Upper
56	100		
69	106.5	27.0	40.6#
84	118.9	72.6	109.0#

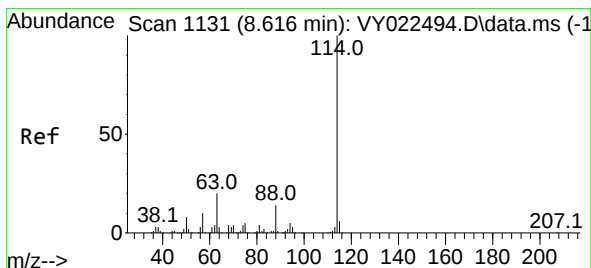
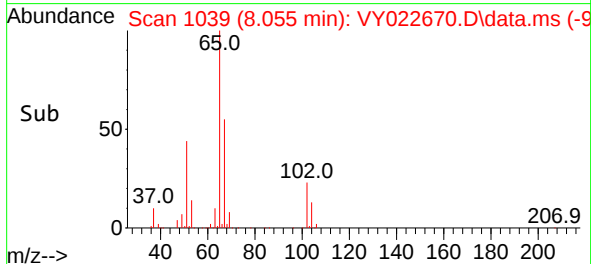
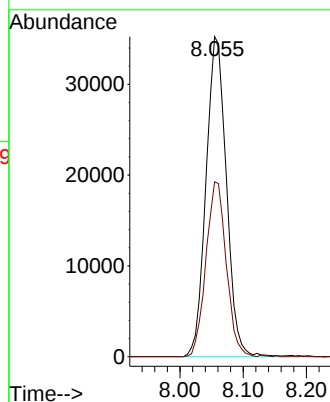
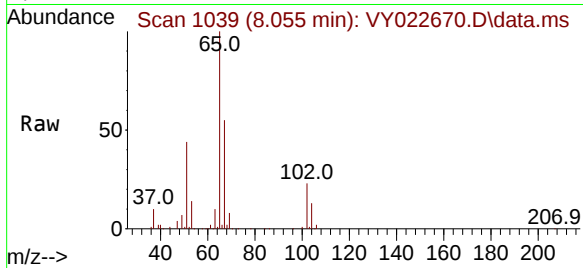




#33
 1,2-Dichloroethane-d4
 Concen: 49.152 ug/l
 RT: 8.055 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: VY022670.D
 Acq: 12 Jun 2025 13:45

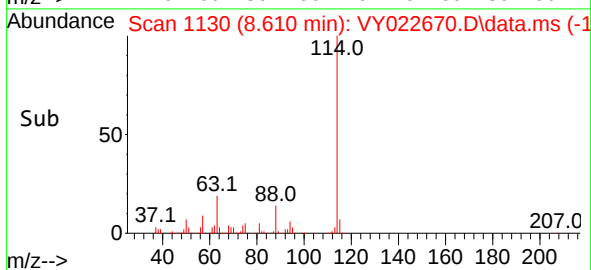
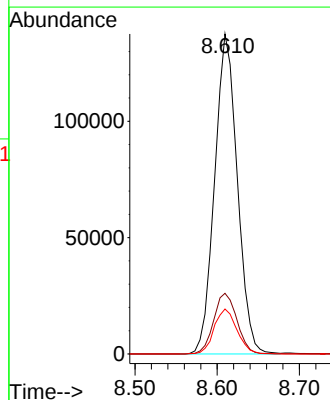
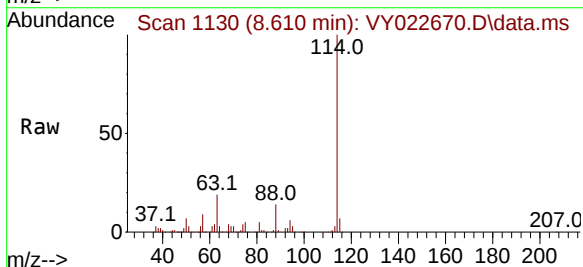
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Tgt Ion: 65 Resp: 78884
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.610 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022670.D
 Acq: 12 Jun 2025 13:45

Tgt Ion: 114 Resp: 263704
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.8
 88 14.1 0.0 27.8

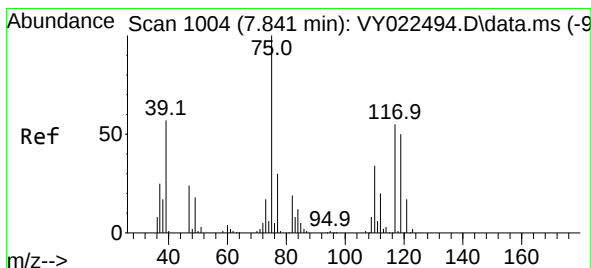
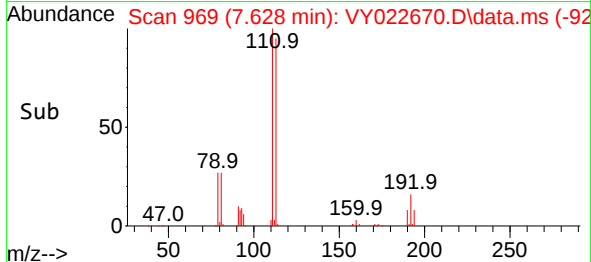
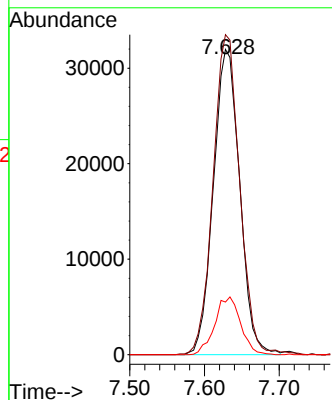
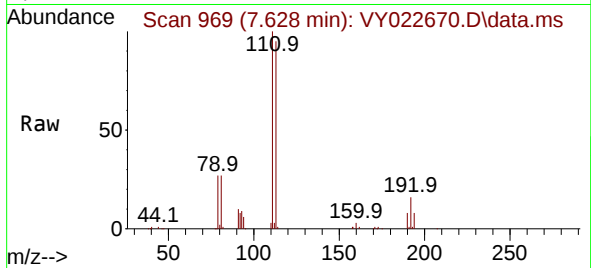




#35
Dibromofluoromethane
Concen: 49.820 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

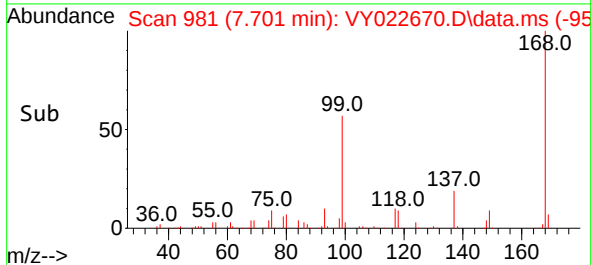
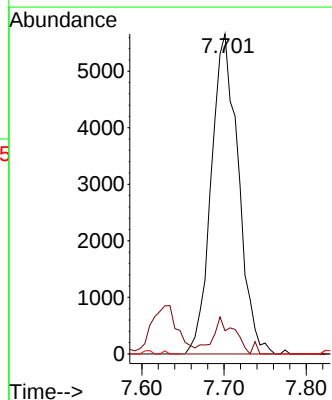
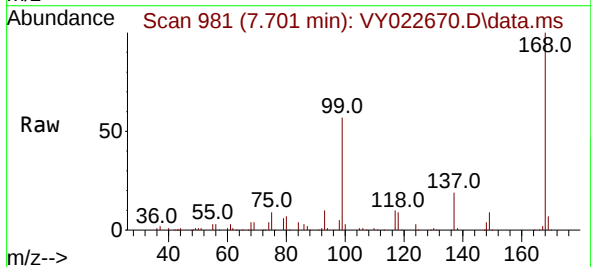
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

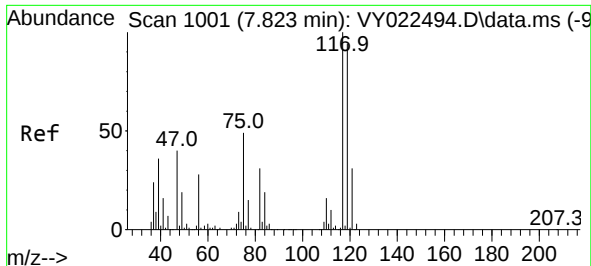
Tgt Ion:113 Resp: 78416
Ion Ratio Lower Upper
113 100
111 105.7 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.063 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

Tgt Ion: 75 Resp: 12934
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.0 24.8 37.2#

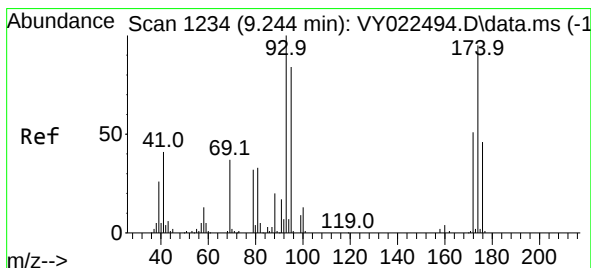
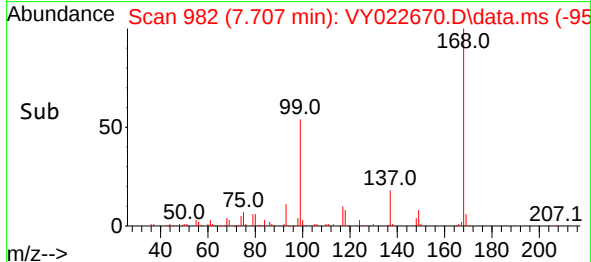
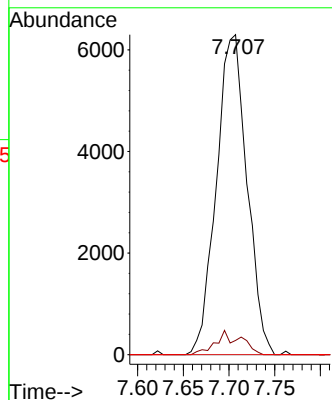
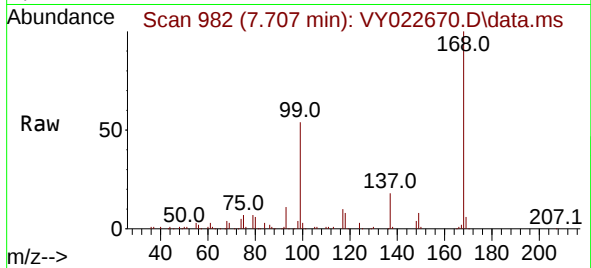




#38
Carbon Tetrachloride
Concen: 5.599 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

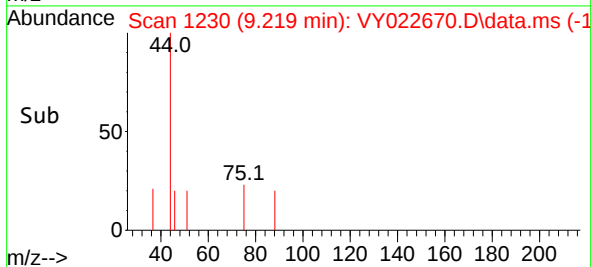
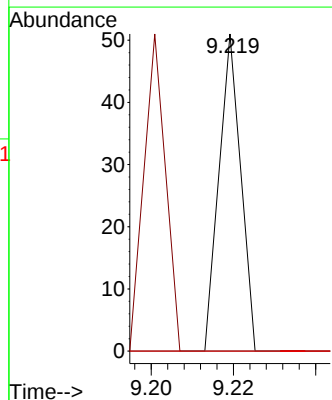
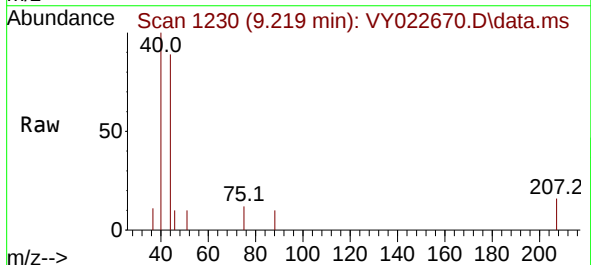
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

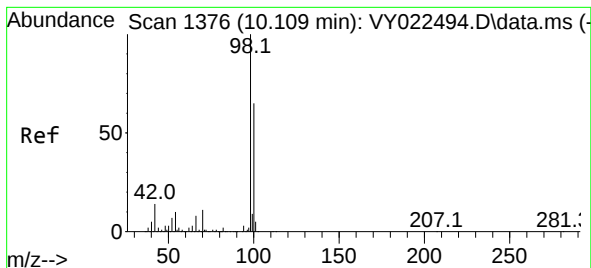
Tgt Ion:117 Resp: 14672
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.599 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.024 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 100.0 25.4 38.2#
58 0.0 54.9 82.3#

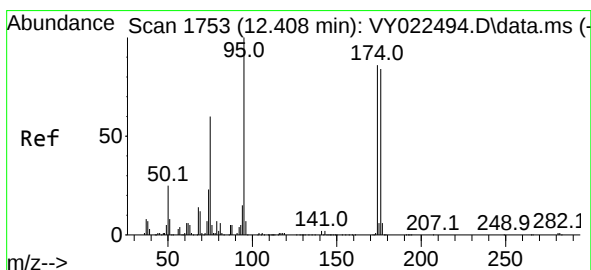
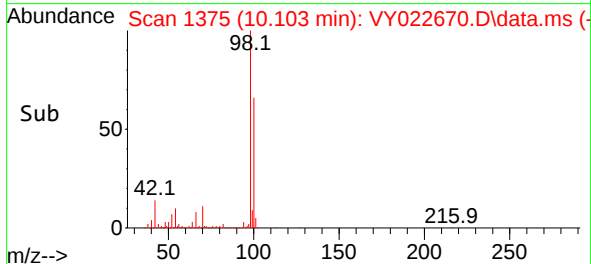
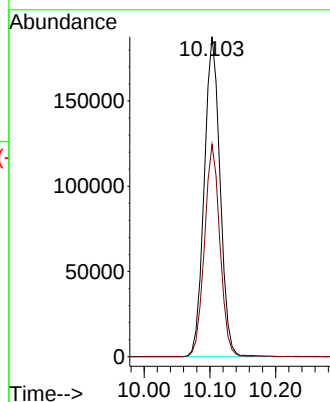
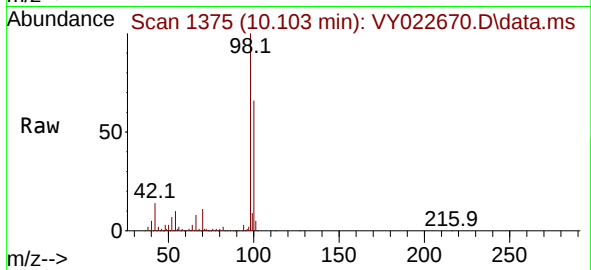




#50
Toluene-d8
Concen: 49.400 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

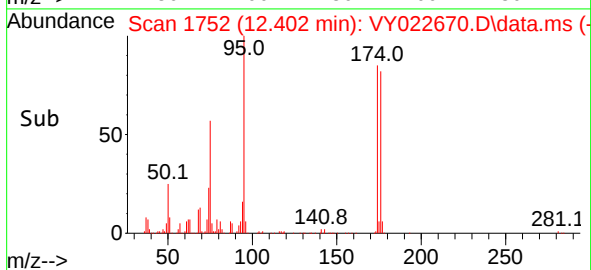
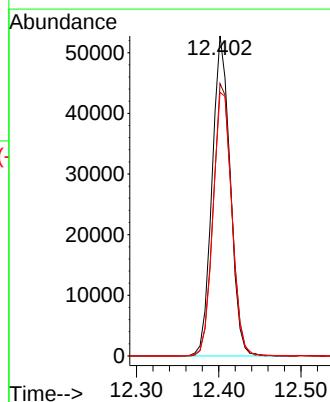
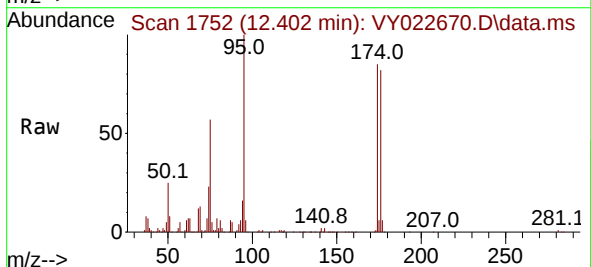
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

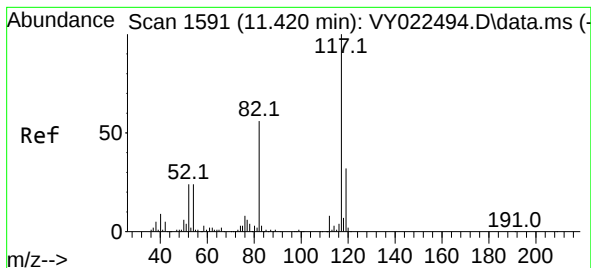
Tgt Ion: 98 Resp: 314179
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.622 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

Tgt Ion: 95 Resp: 80766
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 85.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022670.D

Acq: 12 Jun 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

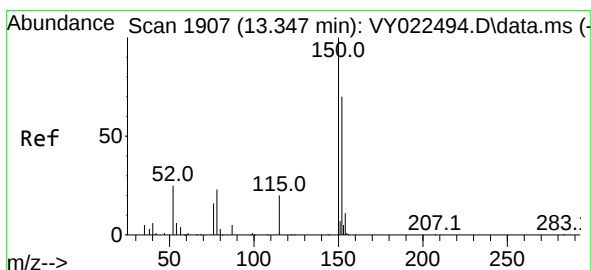
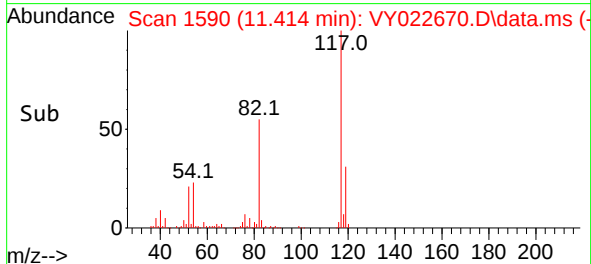
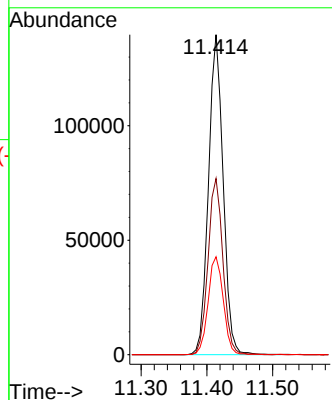
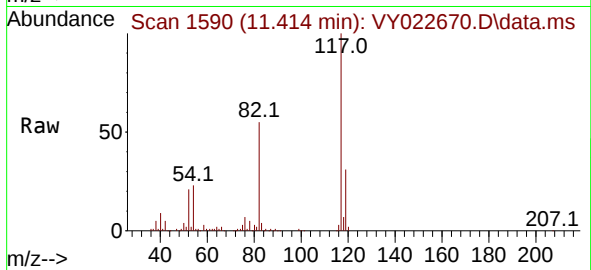
Tgt Ion:117 Resp: 216883

Ion Ratio Lower Upper

117 100

82 55.0 44.6 66.8

119 30.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022670.D

Acq: 12 Jun 2025 13:45

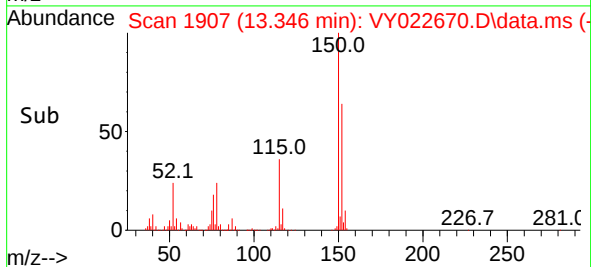
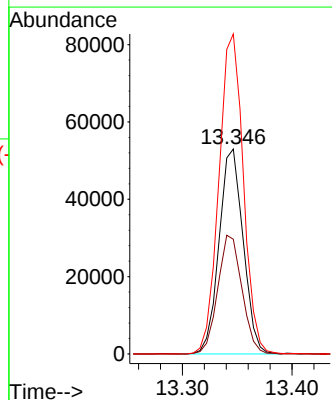
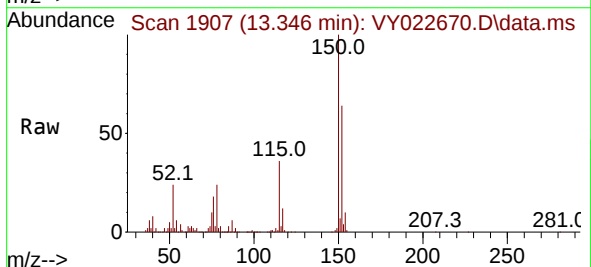
Tgt Ion:152 Resp: 80938

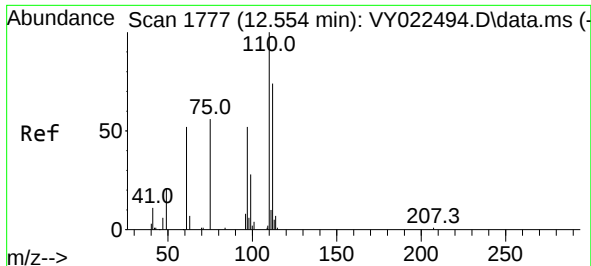
Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 158.4 0.0 349.6

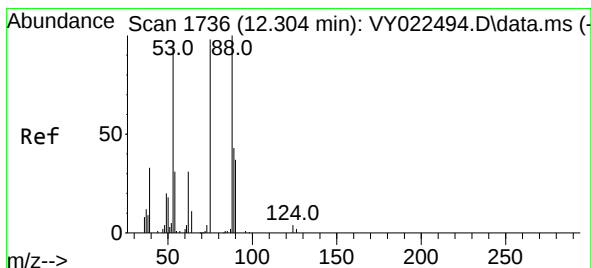
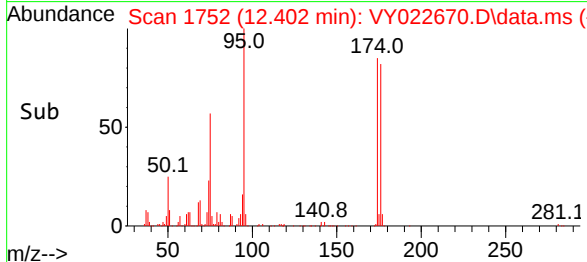
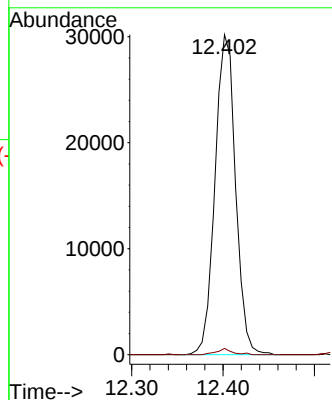
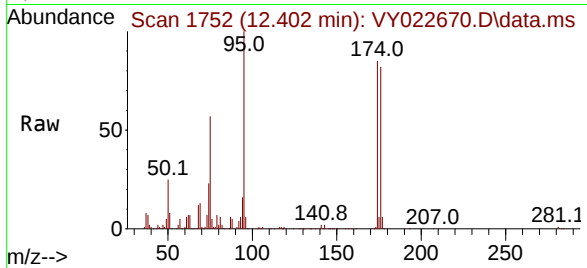




#76
1,2,3-Trichloropropane
Concen: 50.866 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

Tgt Ion: 75 Resp: 47100
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.839 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

Tgt Ion: 75 Resp: 47100
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.2 35.7 53.5#

