

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022644.D
 Acq On : 10 Jun 2025 12:45
 Operator : SY/MD
 Sample : Q2273-03
 Misc : 4.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Quant Time: Jun 11 01:50:14 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)

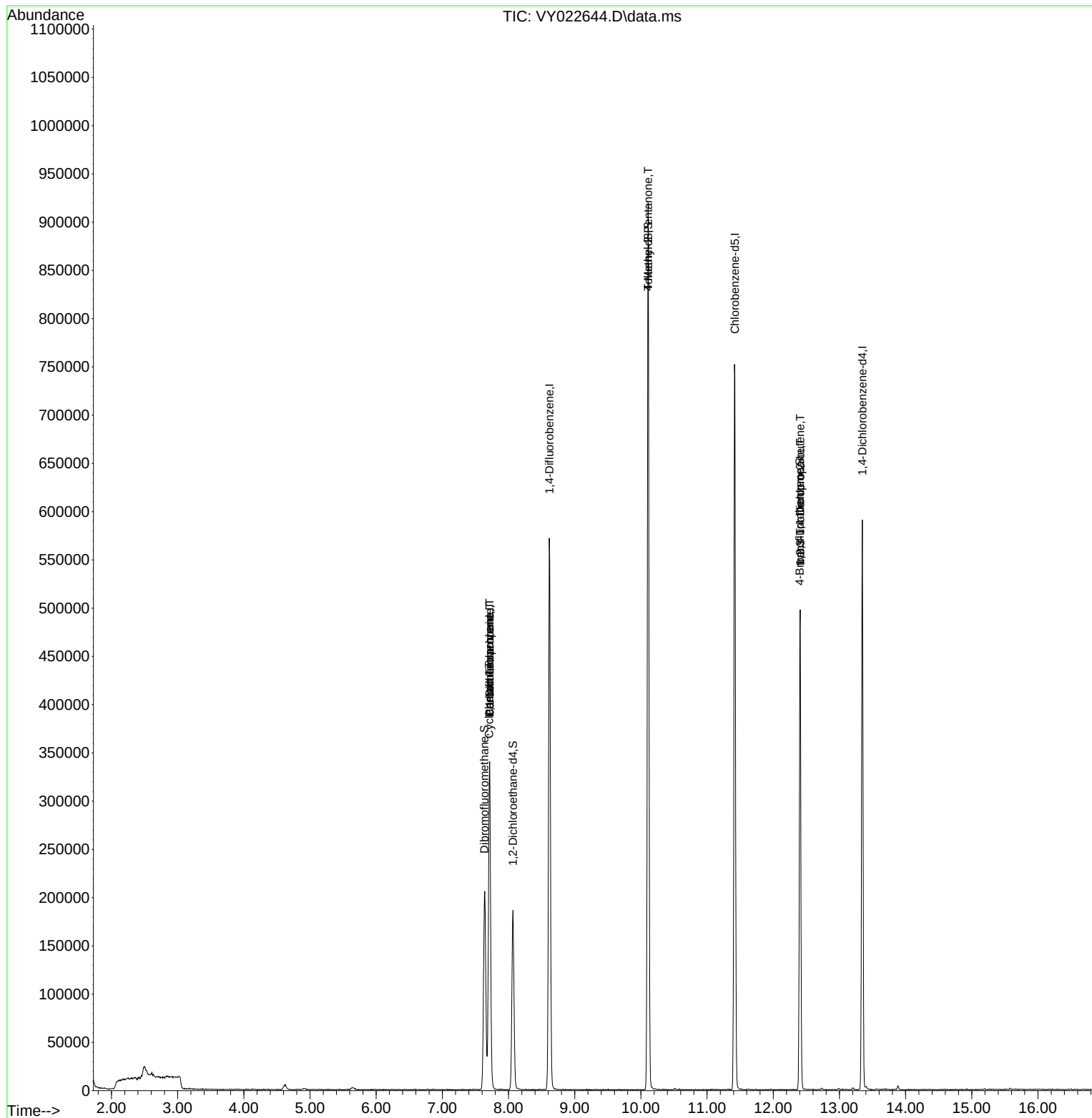
Internal Standards						
1) Pentafluorobenzene	7.713	168	247239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	466992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	371941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	129790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	138474	50.077	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.160%	
35) Dibromofluoromethane	7.634	113	142222	51.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.040%	
50) Toluene-d8	10.109	98	565585	50.217	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.440%	
62) 4-Bromofluorobenzene	12.401	95	135632	40.418	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.840%	
Target Compounds						Qvalue
31) Cyclohexane	7.707	56	6614	1.245	ug/l #	6
36) 1,1-Dichloropropene	7.713	75	22866	5.054	ug/l #	50
38) Carbon Tetrachloride	7.713	117	26081	5.620	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2778	1.279	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	81705	55.026	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	81705	132.884	ug/l #	10

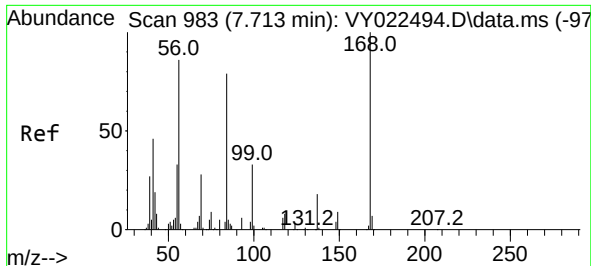
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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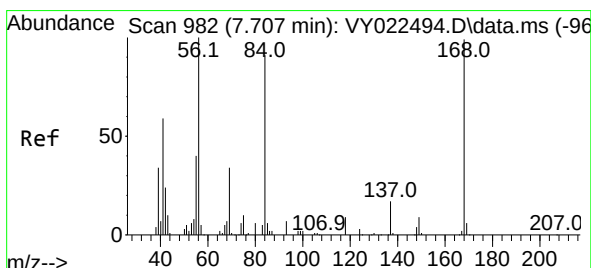
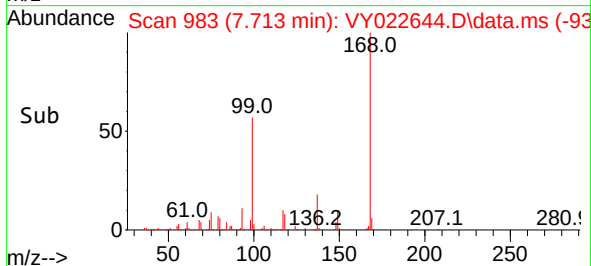
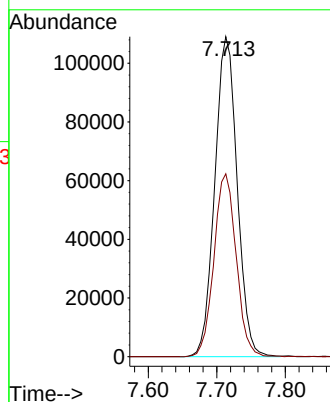
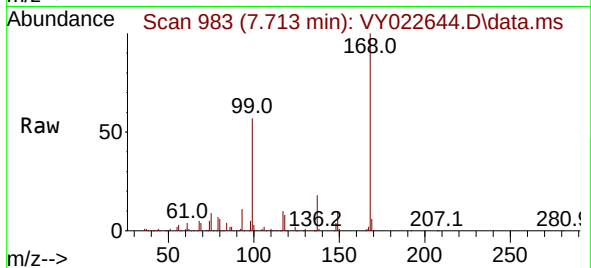




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

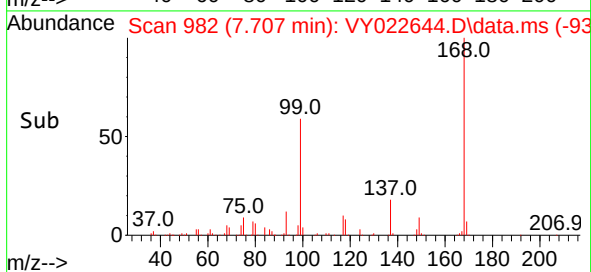
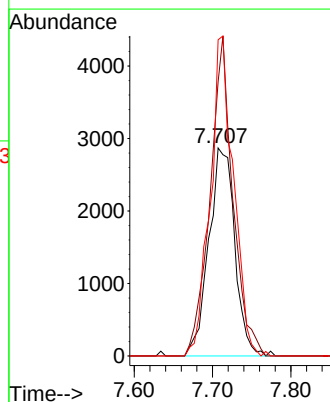
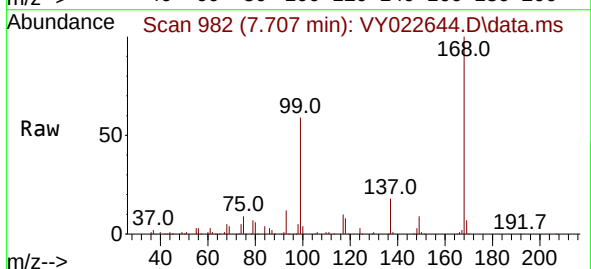
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

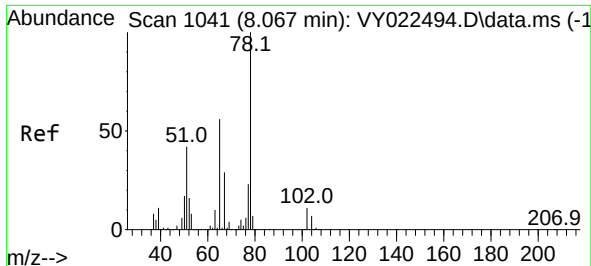
Tgt Ion:168 Resp: 247239
Ion Ratio Lower Upper
168 100
99 57.1 44.3 66.5



#31
Cyclohexane
Concen: 1.245 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Tgt Ion: 56 Resp: 6614
Ion Ratio Lower Upper
56 100
69 131.8 27.0 40.6#
84 152.0 72.6 109.0#

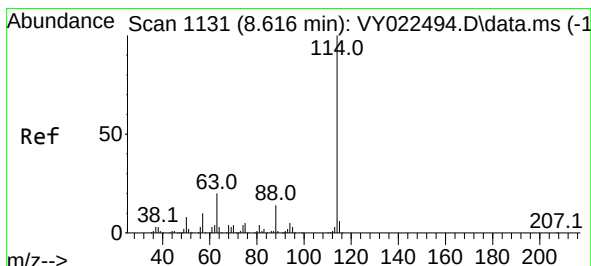
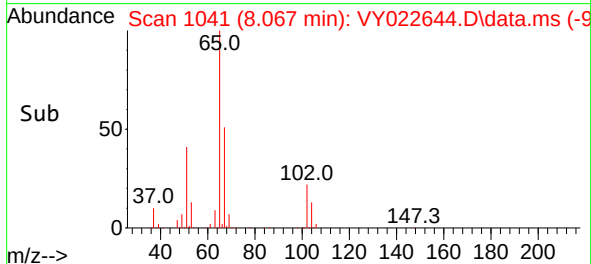
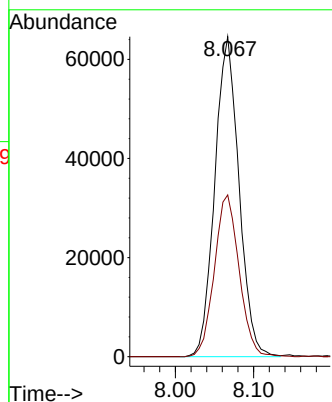
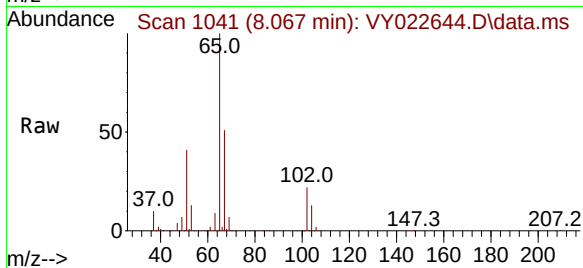




#33
1,2-Dichloroethane-d4
Concen: 50.077 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

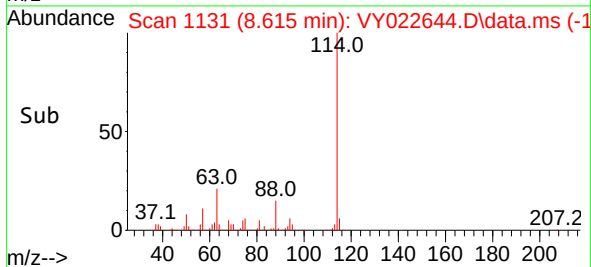
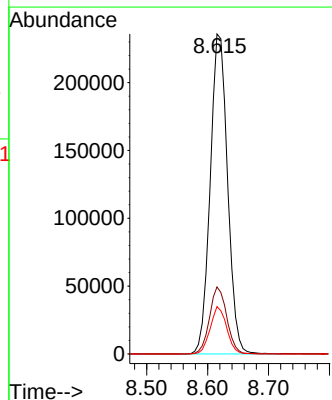
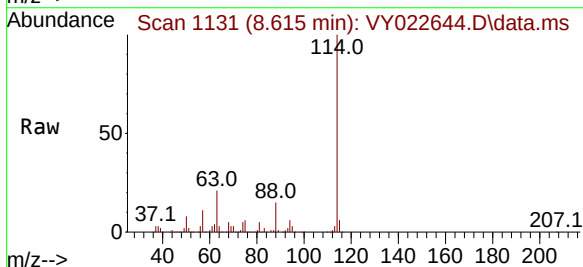
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

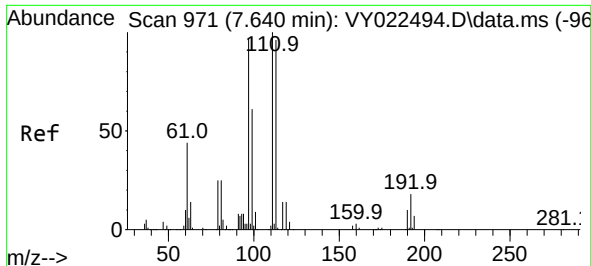
Tgt Ion: 65 Resp: 138474
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Tgt Ion: 114 Resp: 466992
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 14.8 0.0 27.8

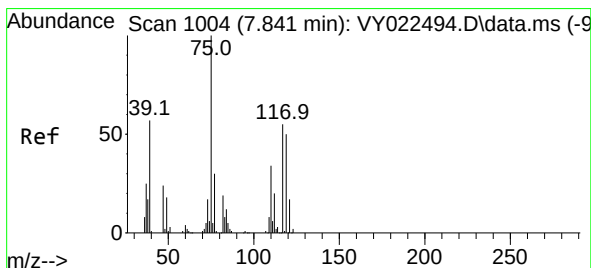
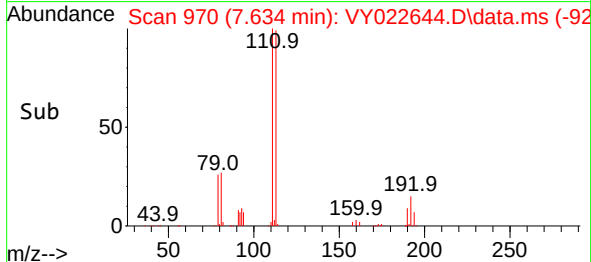
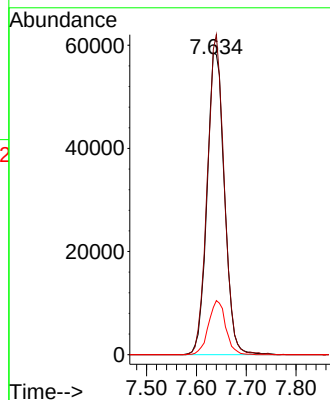
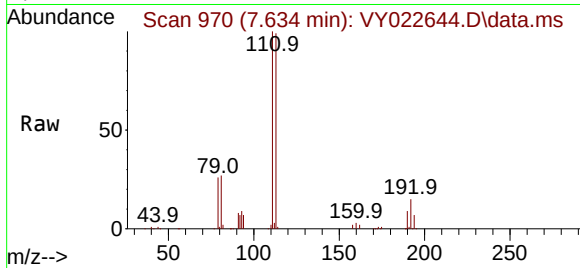




#35
Dibromofluoromethane
Concen: 51.024 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

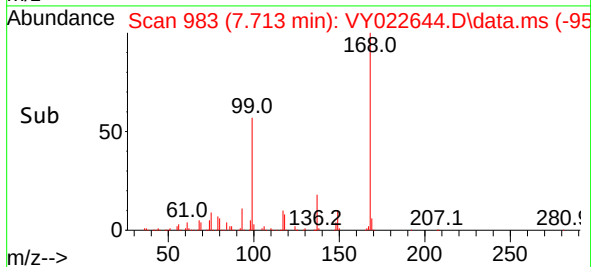
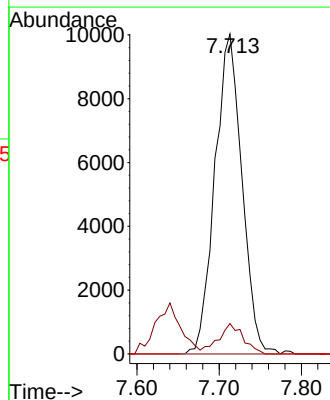
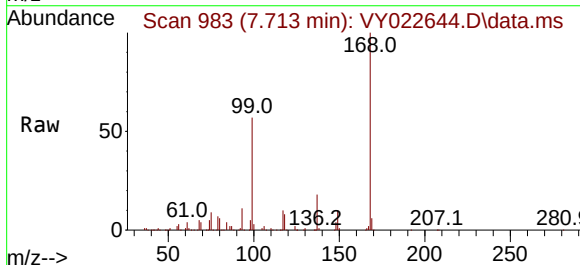
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

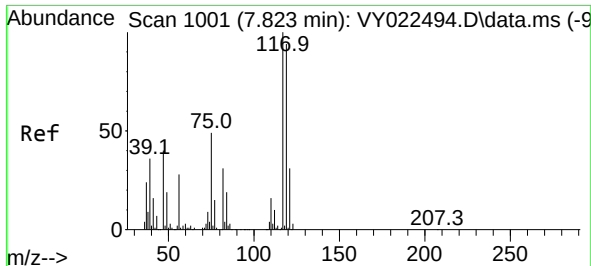
Tgt Ion:113 Resp: 142222
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 17.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.054 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Tgt Ion: 75 Resp: 22866
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.0 24.8 37.2#

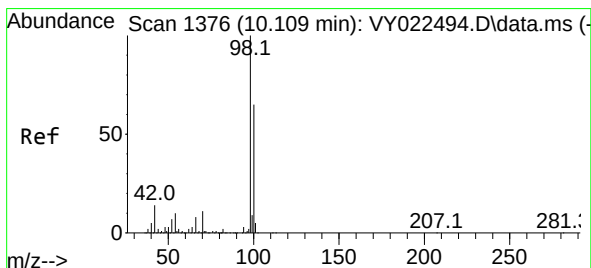
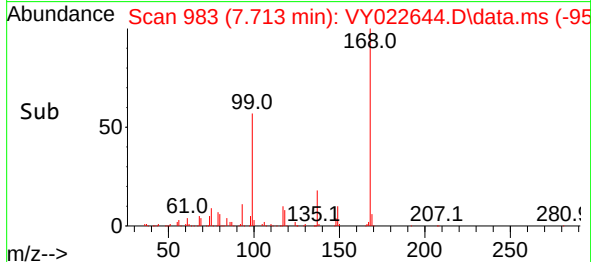
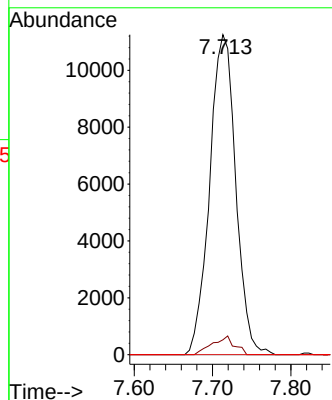
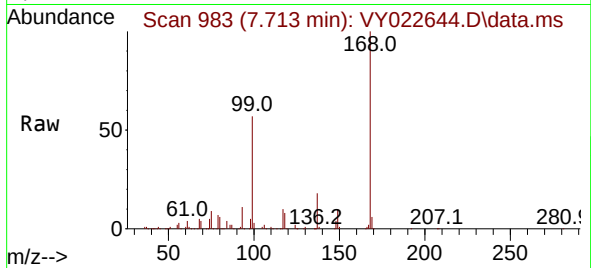




#38
Carbon Tetrachloride
Concen: 5.620 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

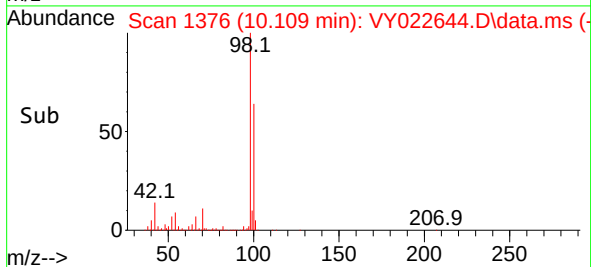
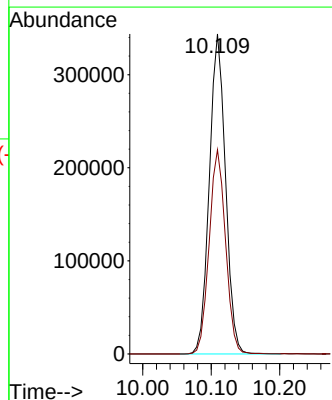
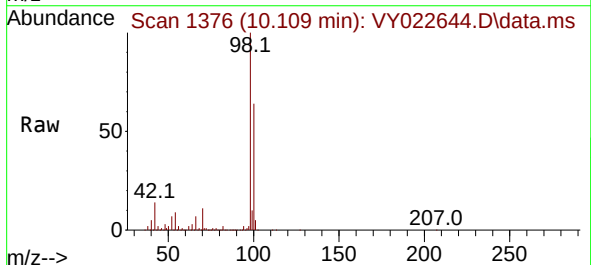
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

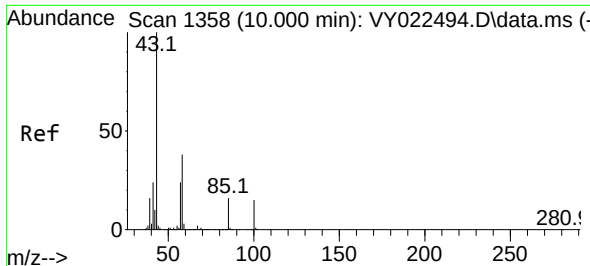
Tgt Ion:117 Resp: 26081
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.217 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Tgt Ion: 98 Resp: 565585
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

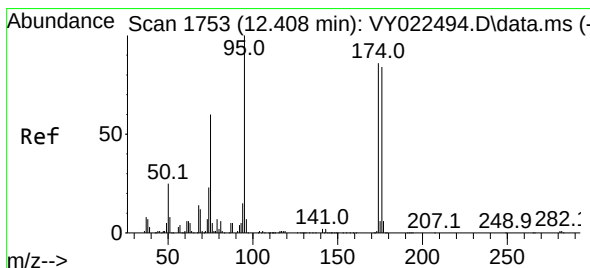
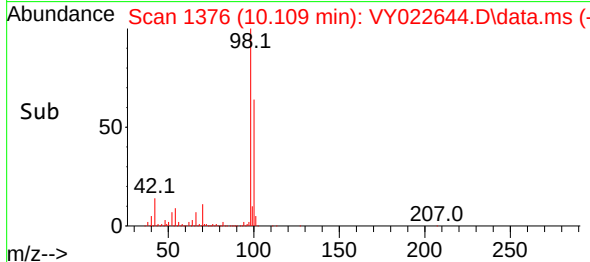
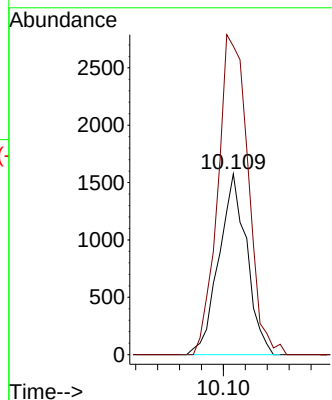
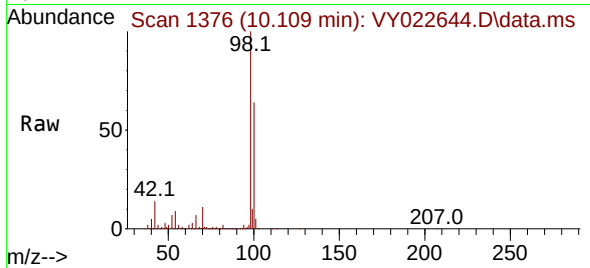




#51
4-Methyl-2-Pentanone
Concen: 1.279 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

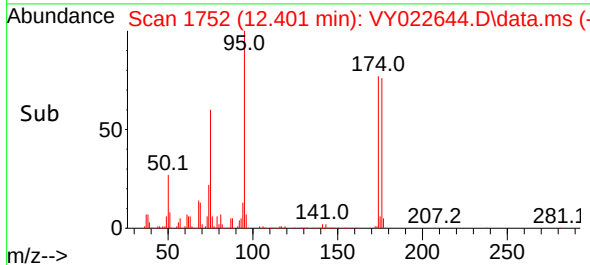
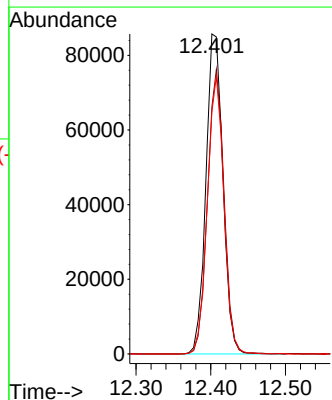
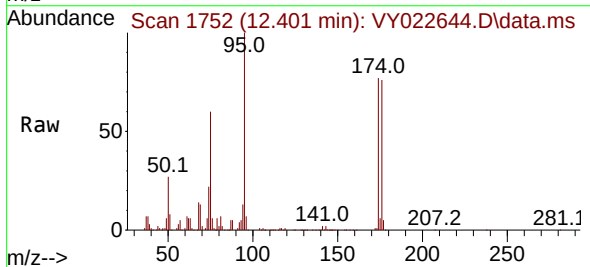
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WC-4-VOC

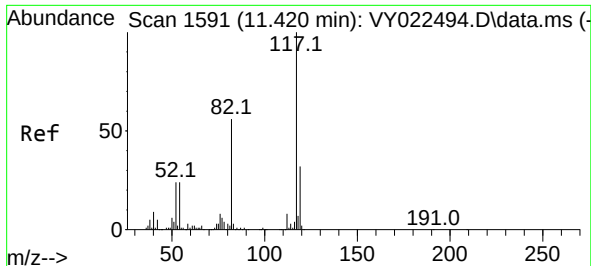
Tgt Ion: 43 Resp: 2778
Ion Ratio Lower Upper
43 100
58 192.8 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 40.418 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Tgt Ion: 95 Resp: 135632
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.0
176 84.0 0.0 166.2

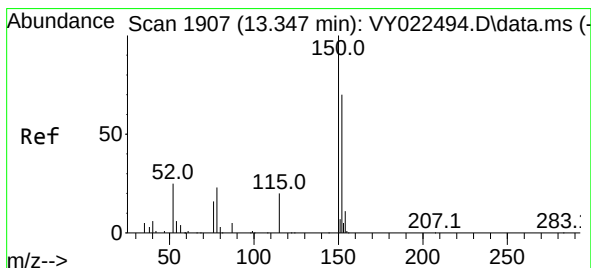
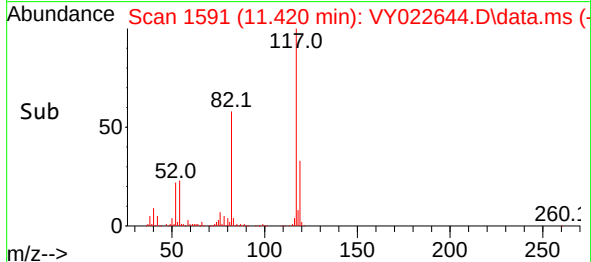
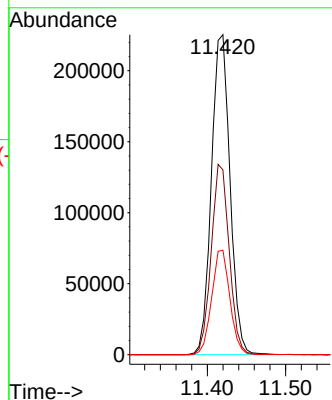
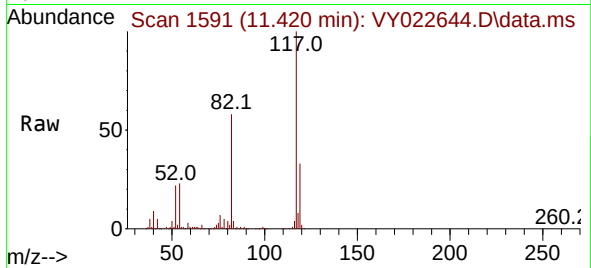




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

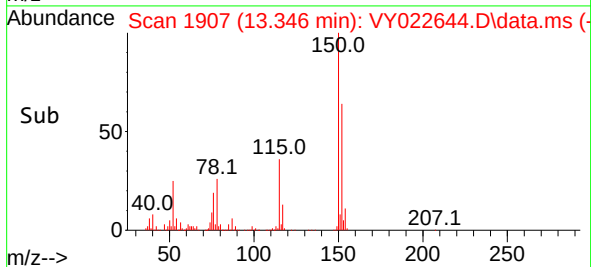
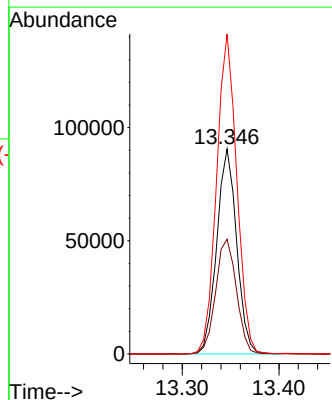
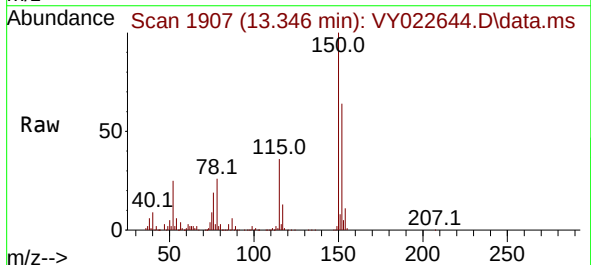
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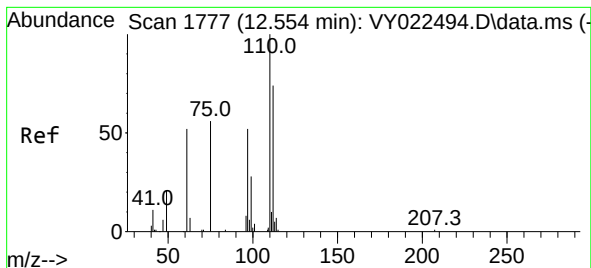
Tgt Ion:117 Resp: 371941
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022644.D
Acq: 10 Jun 2025 12:45

Tgt Ion:152 Resp: 129790
Ion Ratio Lower Upper
152 100
115 58.3 28.9 86.7
150 157.5 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 55.026 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022644.D

Acq: 10 Jun 2025 12:45

Instrument :

MSVOA_Y

ClientSampleId :

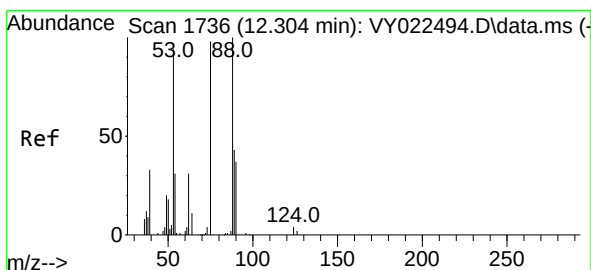
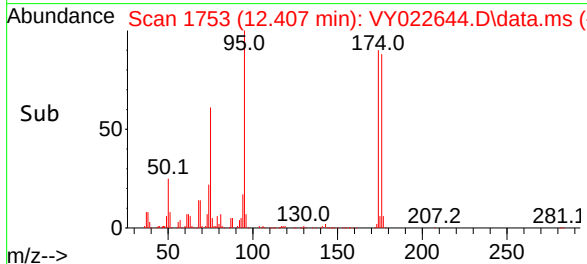
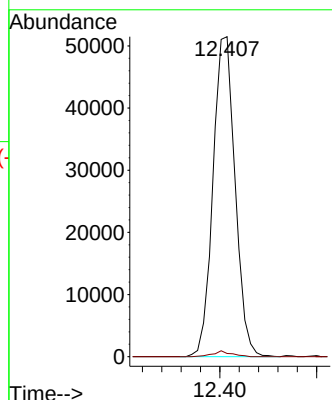
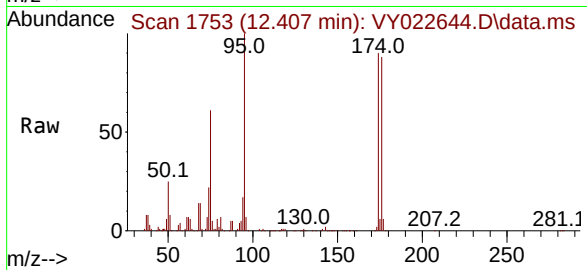
WC-4-VOC

Tgt Ion: 75 Resp: 81705

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.884 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.103 min

Lab File: VY022644.D

Acq: 10 Jun 2025 12:45

Tgt Ion: 75 Resp: 81705

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 35.7 53.5#

