

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
 Data File : VY010204.D
 Acq On : 25 Aug 2022 13:49
 Operator : KP/MD
 Sample : N4327-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Aug 26 06:46:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:12:05 2022
 Response via : Initial Calibration

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

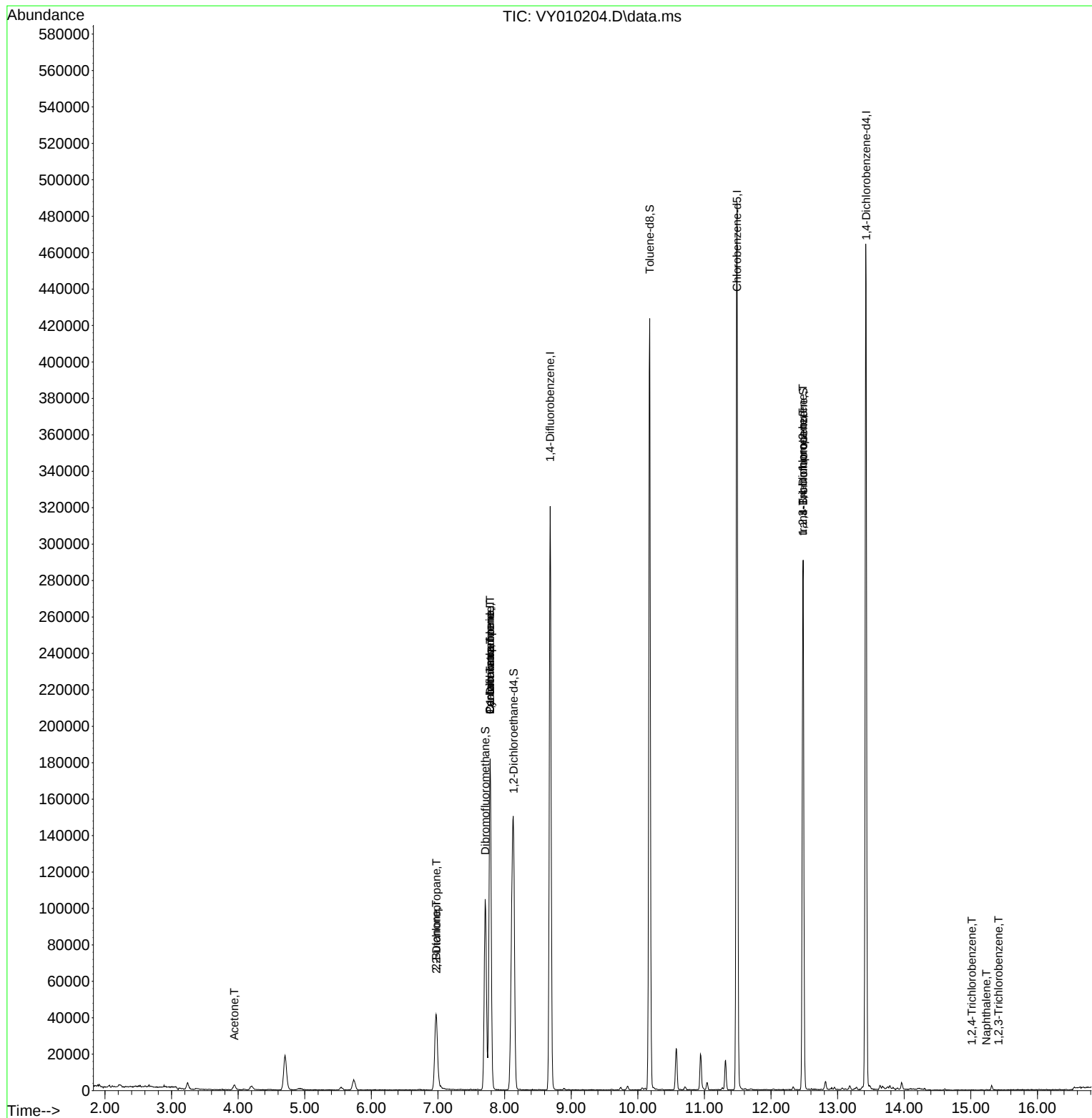
Internal Standards						
1) Pentafluorobenzene	7.783	168	145329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	271691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81206	67.700	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.400%
35) Dibromofluoromethane	7.710	113	74689	41.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.860%
50) Toluene-d8	10.179	98	272641	44.103	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	88.200%
62) 4-Bromofluorobenzene	12.483	95	87541	36.964	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	73.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	1055	Below Cal		84
7) Trichlorofluoromethane	3.119	101	240	Below Cal	#	81
11) Tert butyl alcohol	4.936	59	1420	Below Cal	#	77
16) Acetone	3.942	43	4960	12.571	ug/l	94
18) Methyl Acetate	4.485	43	525	Below Cal	#	56
25) 2-Butanone	6.972	43	2478	3.782	ug/l	97
26) 2,2-Dichloropropane	6.978	77	3203	1.147	ug/l	# 55
31) Cyclohexane	7.783	56	2879	1.162	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	10870	4.149	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	13373	4.819	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	44461	33.474	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	44461	71.174	ug/l	# 7
93) 1,2,4-Trichlorobenzene	15.013	180	96	4.622	ug/l	# 77
95) Naphthalene	15.233	128	317	5.996	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.416	180	47	4.647	ug/l	# 13

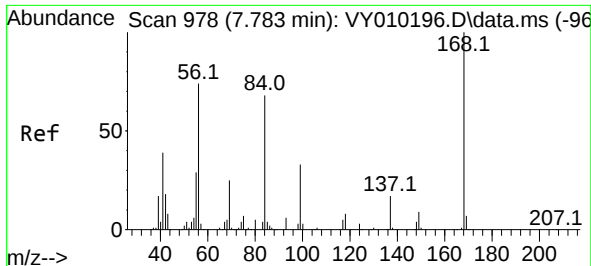
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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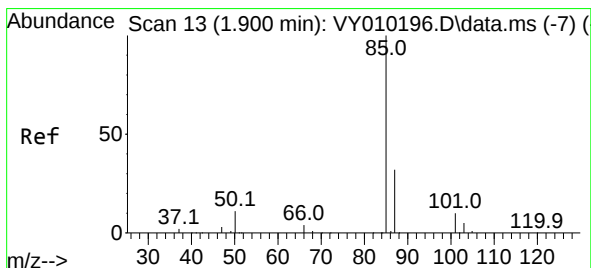
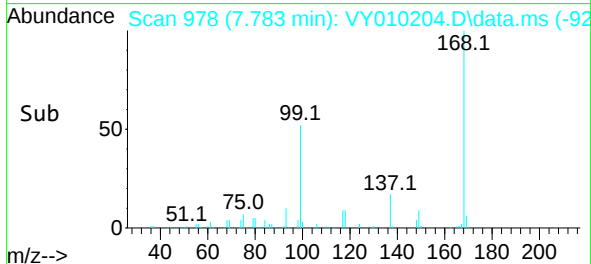
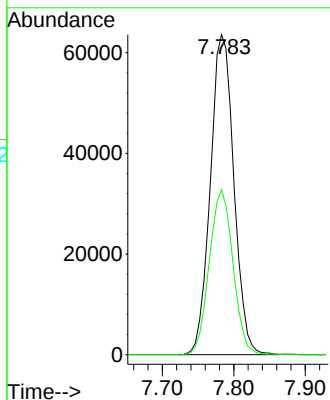
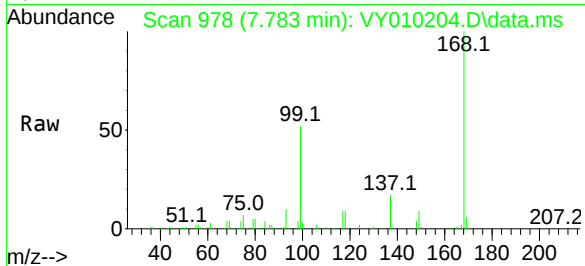




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

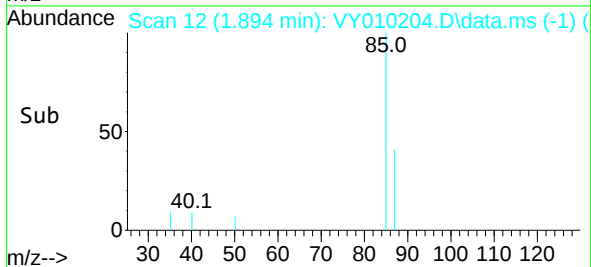
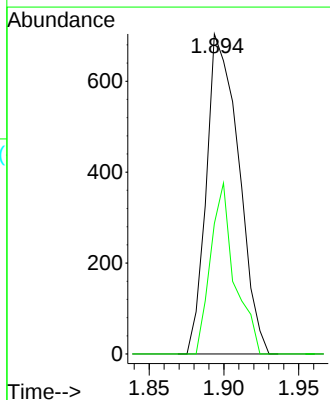
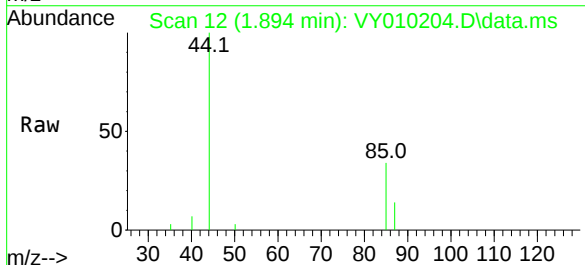
Instrument :
MSVOA_Y
ClientSampleId :
VOC

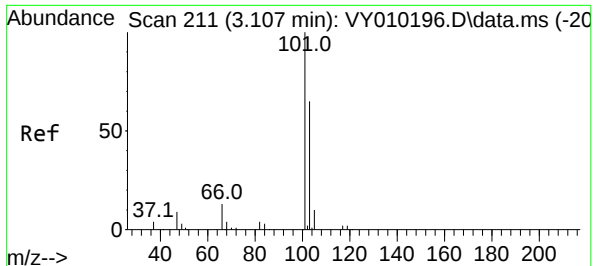
Tgt Ion:168 Resp: 145329
Ion Ratio Lower Upper
168 100
99 51.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

Tgt Ion: 85 Resp: 1055
Ion Ratio Lower Upper
85 100
87 40.8 16.1 48.2

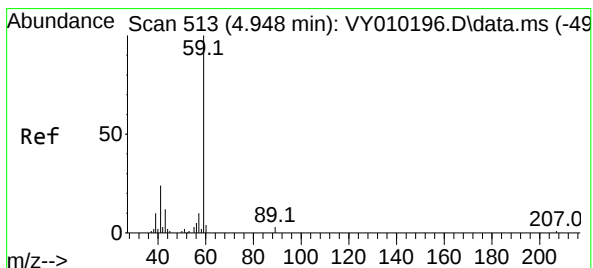
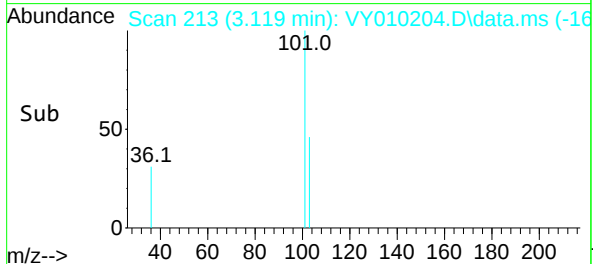
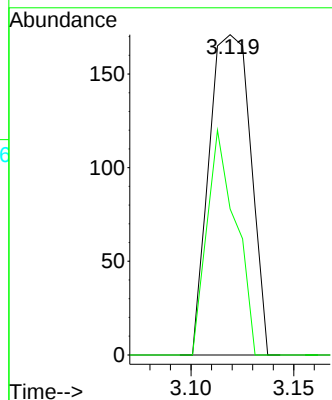
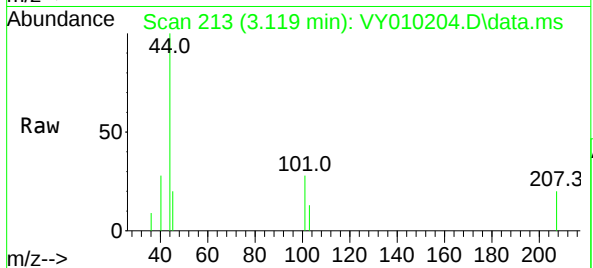




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 211
Delta R.T. 0.012 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

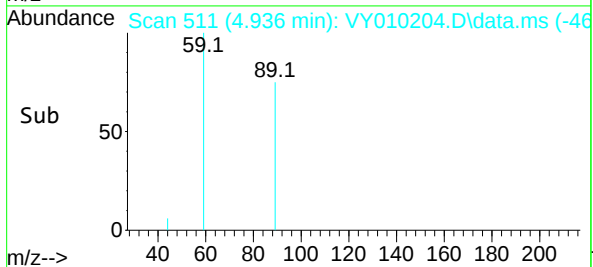
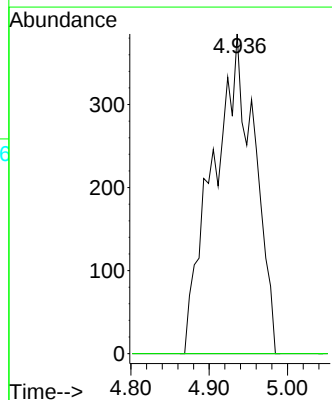
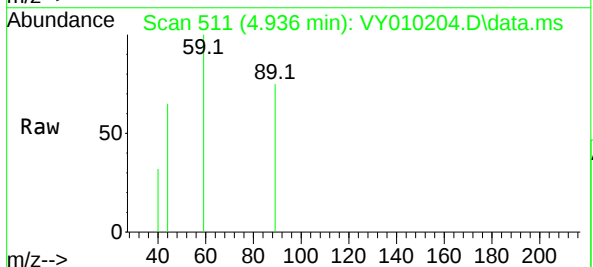
Instrument :
MSVOA_Y
ClientSampleId :
VOC

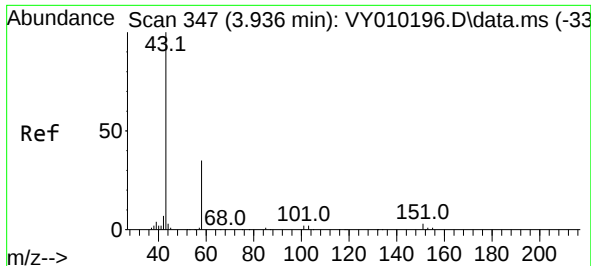
Tgt Ion:101 Resp: 240
Ion Ratio Lower Upper
101 100
103 45.6 48.0 72.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

Tgt Ion: 59 Resp: 1420
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

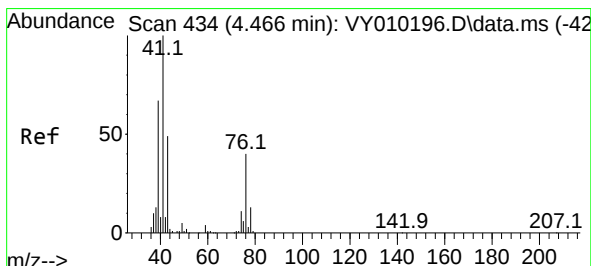
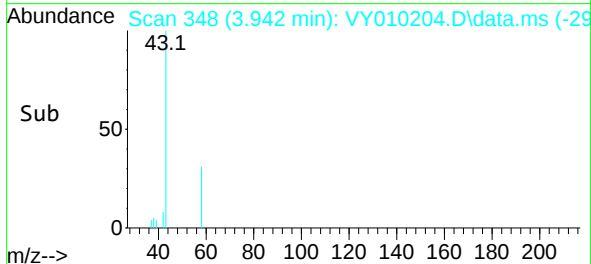
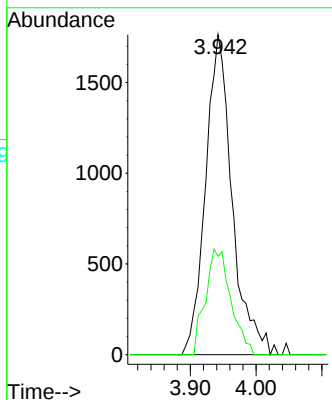
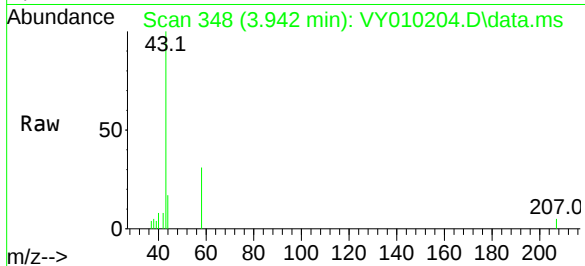




#16
Acetone
Concen: 12.571 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

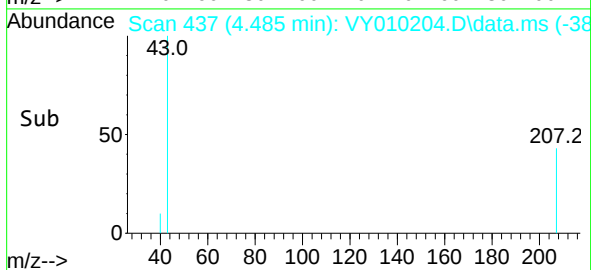
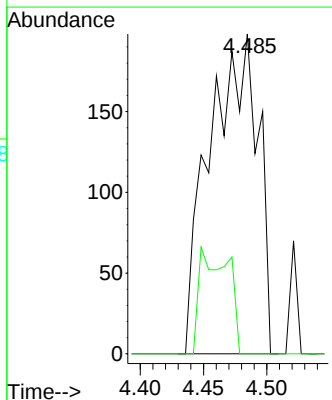
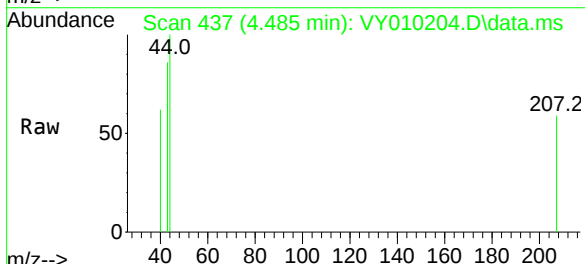
Instrument :
MSVOA_Y
ClientSampleId :
VOC

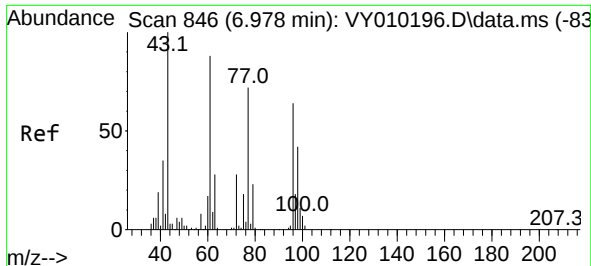
Tgt Ion: 43 Resp: 4960
Ion Ratio Lower Upper
43 100
58 30.7 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.019 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#25

2-Butanone

Concen: 3.782 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010204.D

Acq: 25 Aug 2022 13:49

Instrument :

MSVOA_Y

ClientSampleId :

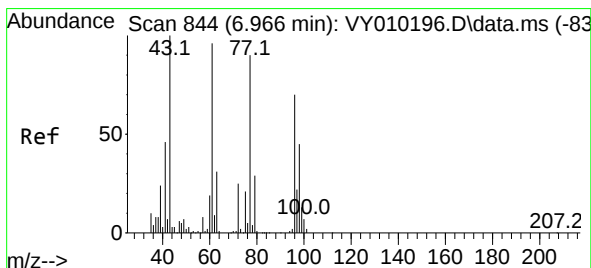
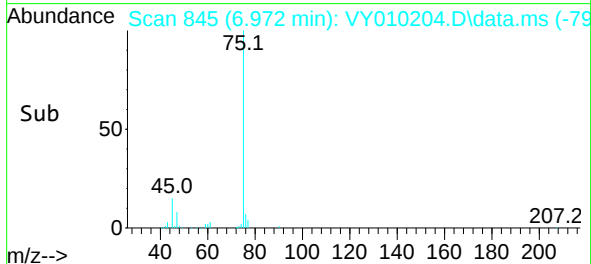
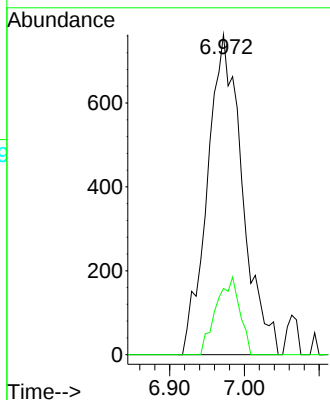
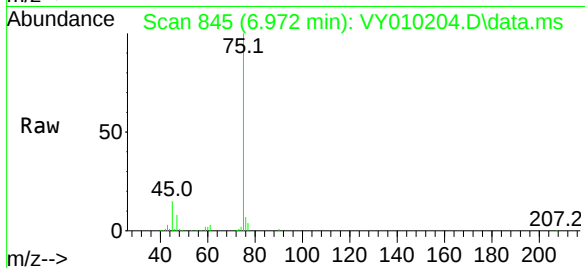
VOC

Tgt Ion: 43 Resp: 2478

Ion Ratio Lower Upper

43 100

72 20.7 17.7 26.5



#26

2,2-Dichloropropane

Concen: 1.147 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY010204.D

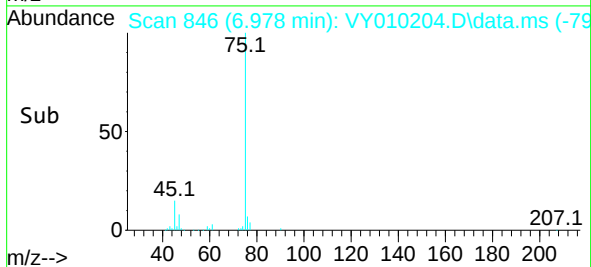
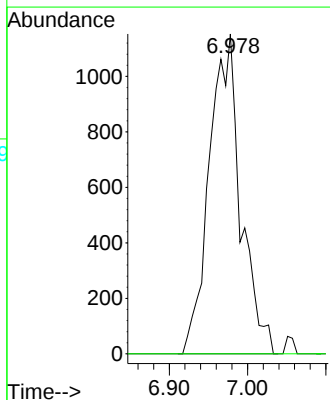
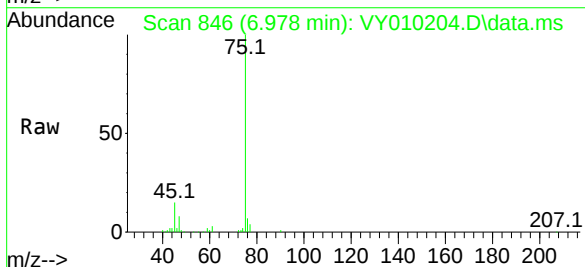
Acq: 25 Aug 2022 13:49

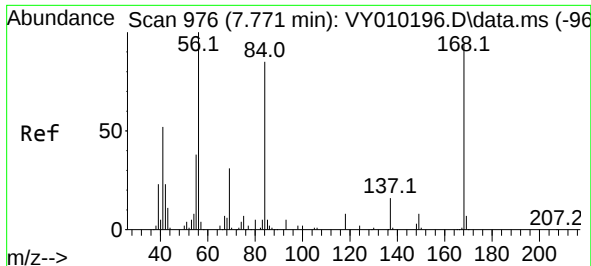
Tgt Ion: 77 Resp: 3203

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

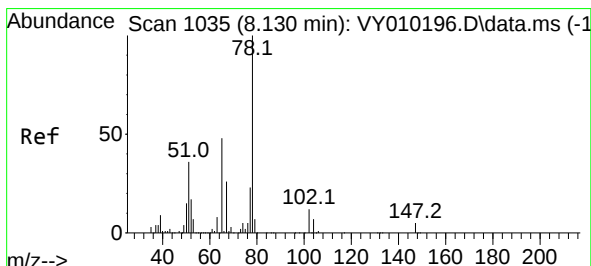
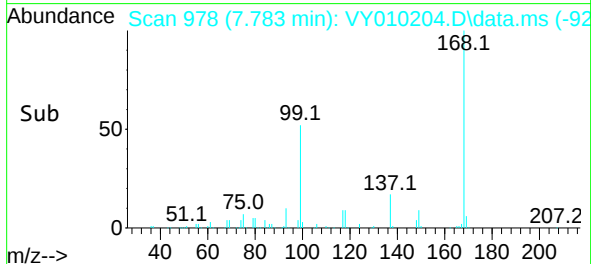
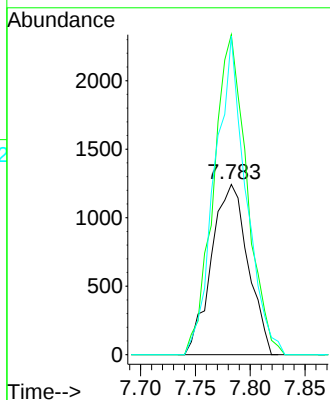
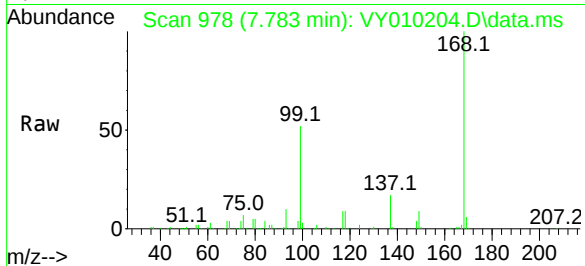




#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

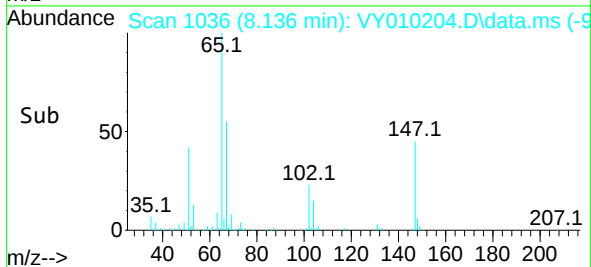
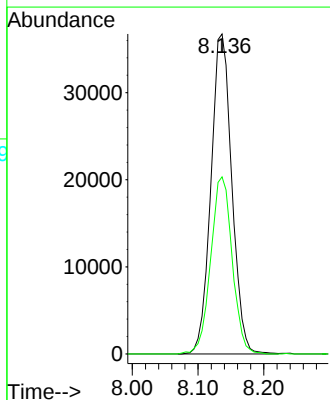
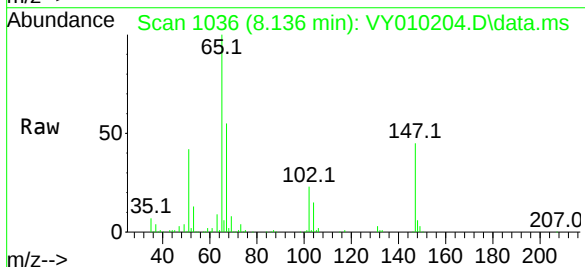
Instrument :
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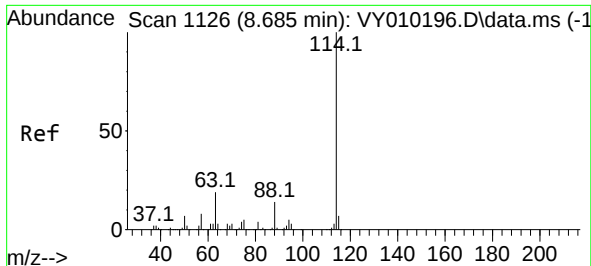
Tgt Ion: 56 Resp: 2879
Ion Ratio Lower Upper
56 100
69 187.9 26.7 40.1#
84 187.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.700 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

Tgt Ion: 65 Resp: 81206
Ion Ratio Lower Upper
65 100
67 56.9 0.0 99.4

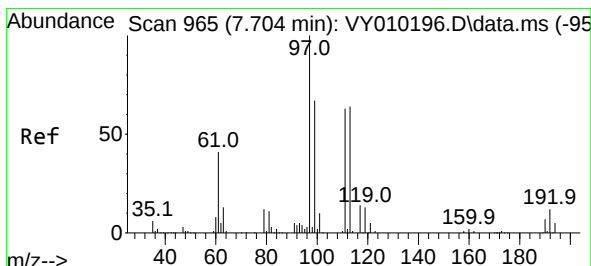
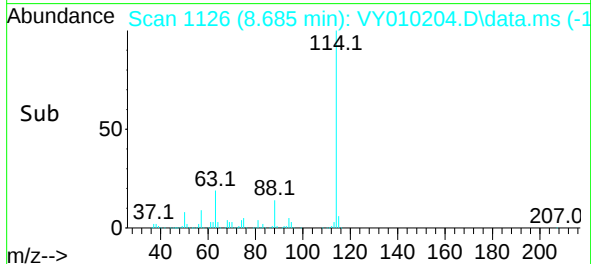
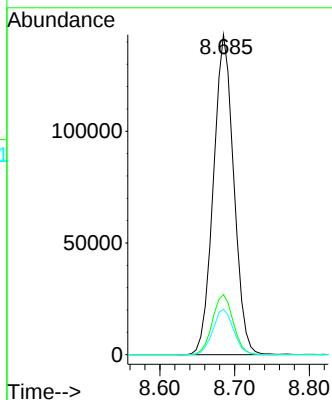
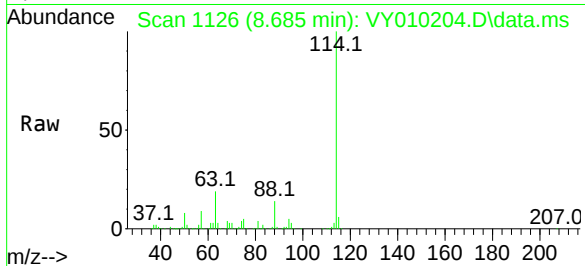




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

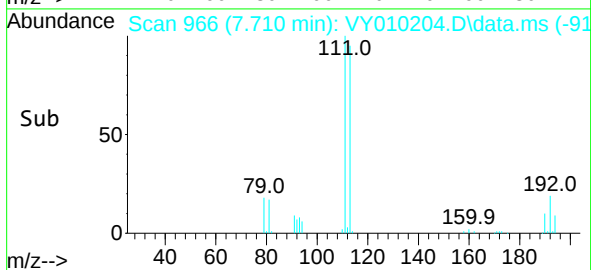
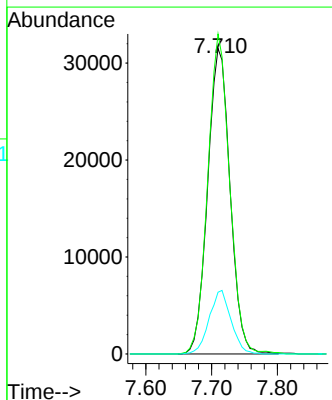
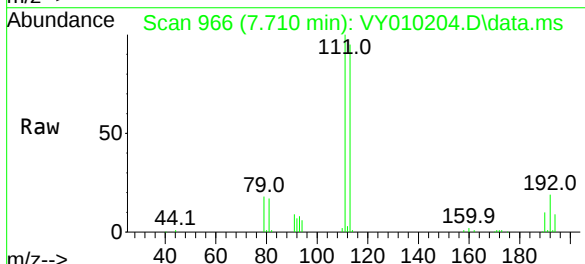
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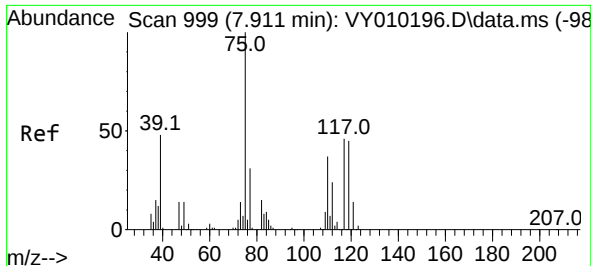
Tgt Ion:114 Resp: 271691
Ion Ratio Lower Upper
114 100
63 18.8 0.0 43.2
88 14.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 41.928 ug/l
RT: 7.710 min Scan# 966
Delta R.T. 0.006 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

Tgt Ion:113 Resp: 74689
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 20.4 17.6 26.4

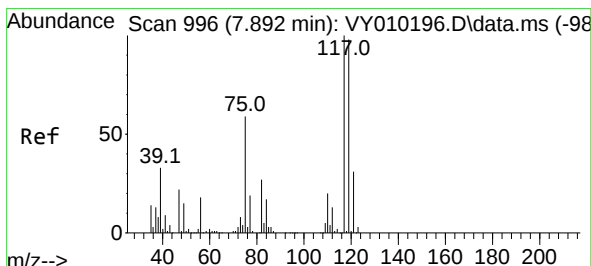
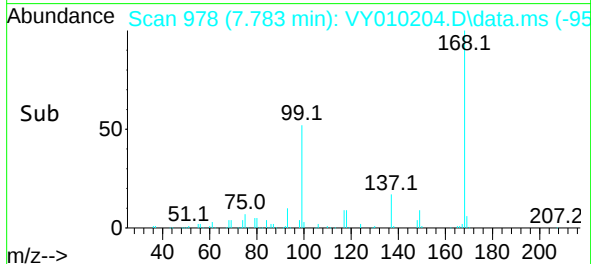
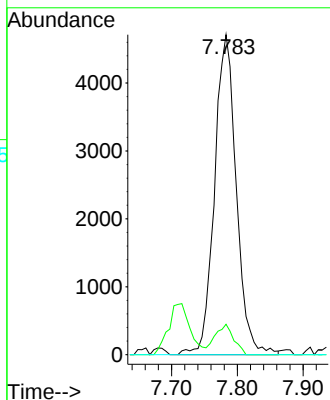
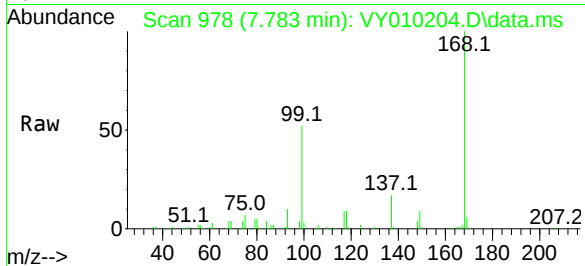




#36
1,1-Dichloropropene
Concen: 4.149 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

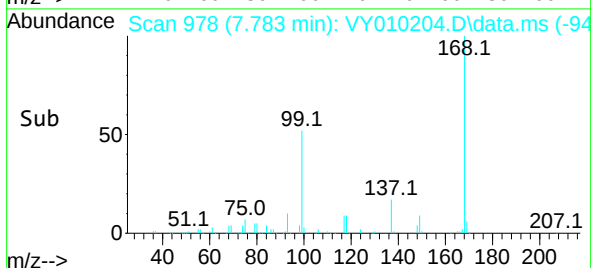
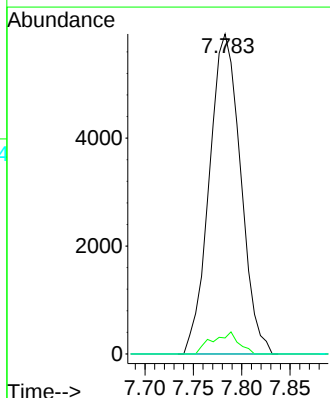
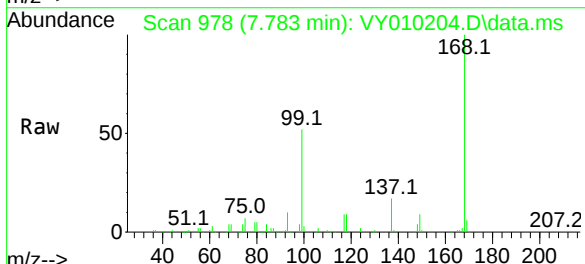
Instrument :
MSVOA_Y
ClientSampleId :
VOC

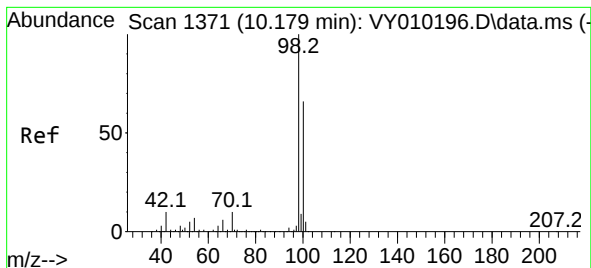
Tgt Ion: 75 Resp: 10870
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.819 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

Tgt Ion: 117 Resp: 13373
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#

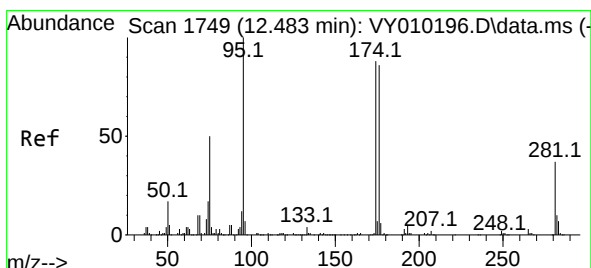
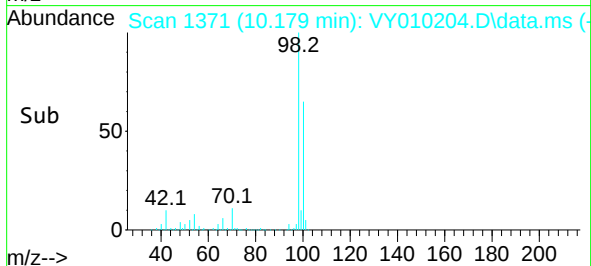
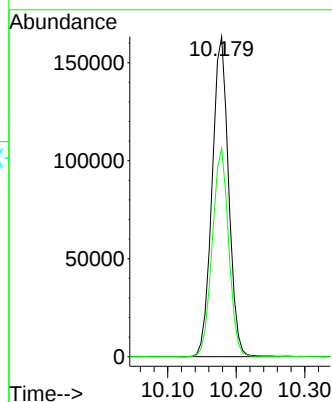
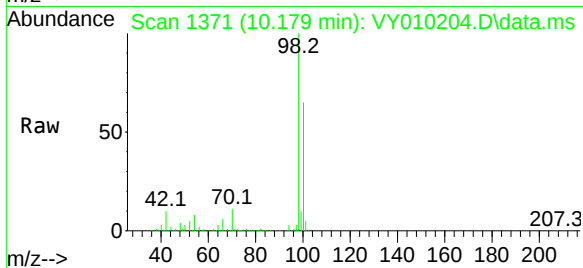




#50
Toluene-d8
Concen: 44.103 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

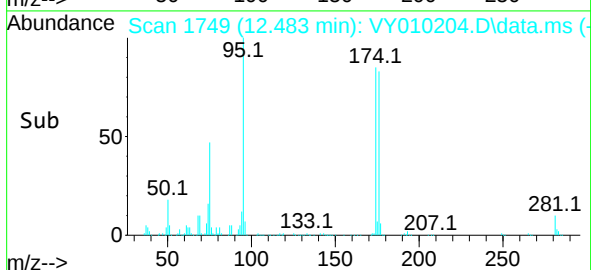
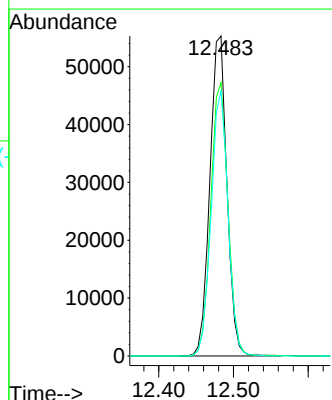
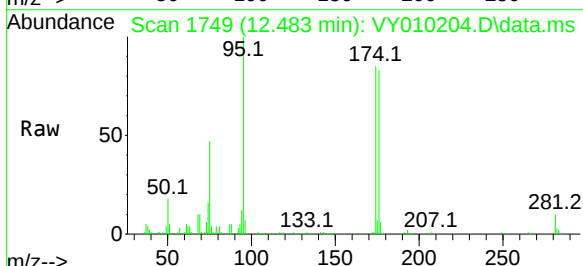
Instrument :
MSVOA_Y
ClientSampleId :
VOC

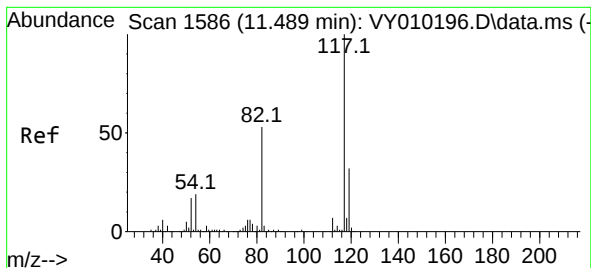
Tgt Ion: 98 Resp: 272641
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 36.964 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

Tgt Ion: 95 Resp: 87541
Ion Ratio Lower Upper
95 100
174 86.1 0.0 177.0
176 81.9 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1158

Delta R.T. 0.000 min

Lab File: VY010204.D

Acq: 25 Aug 2022 13:49

Instrument :

MSVOA_Y

ClientSampleId :

VOC

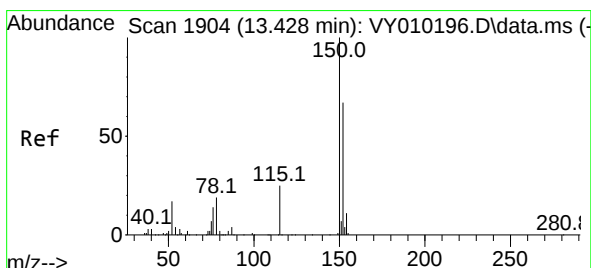
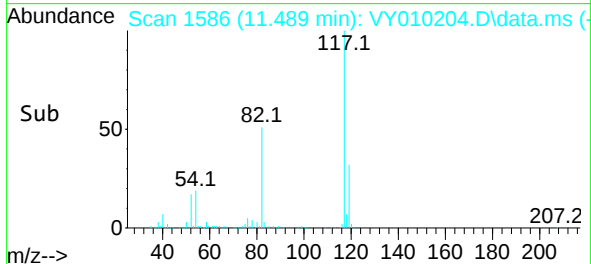
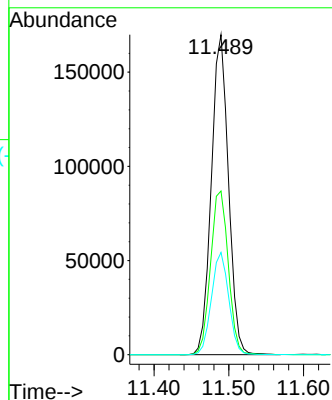
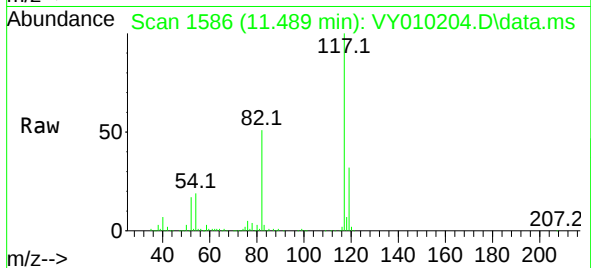
Tgt Ion:117 Resp: 270542

Ion Ratio Lower Upper

117 100

82 51.2 43.0 64.4

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY010204.D

Acq: 25 Aug 2022 13:49

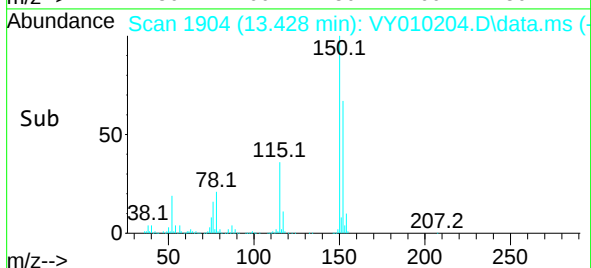
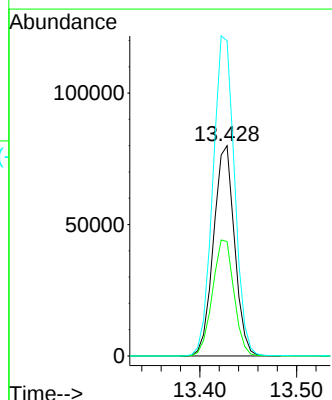
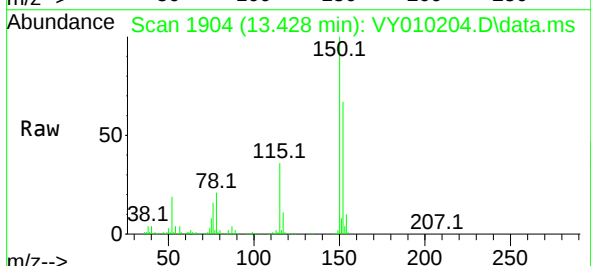
Tgt Ion:152 Resp: 120597

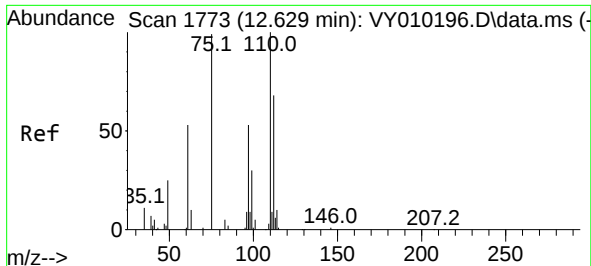
Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.7

150 156.8 0.0 347.6

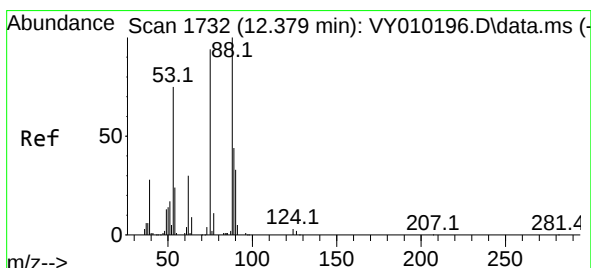
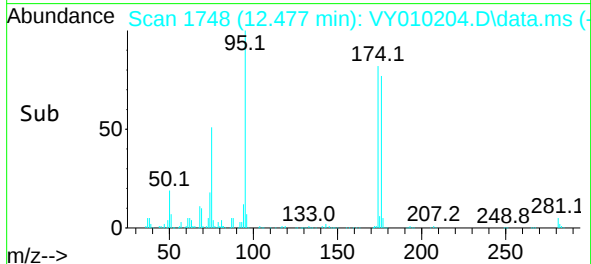
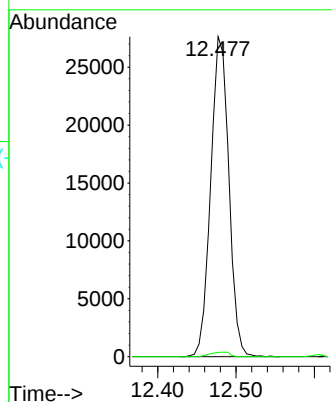
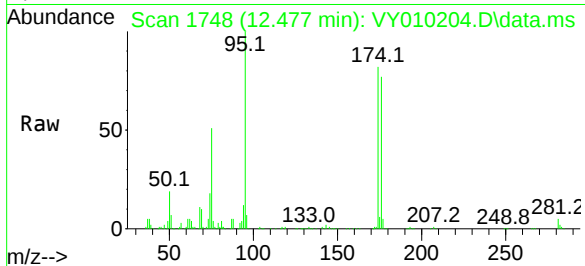




#76
1,2,3-Trichloropropane
Concen: 33.474 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

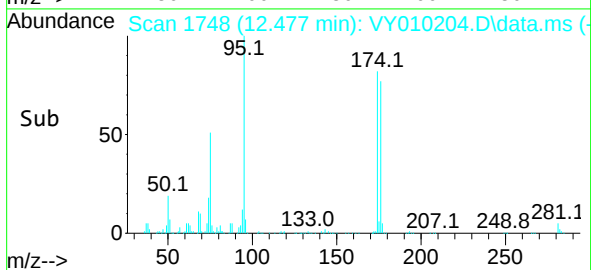
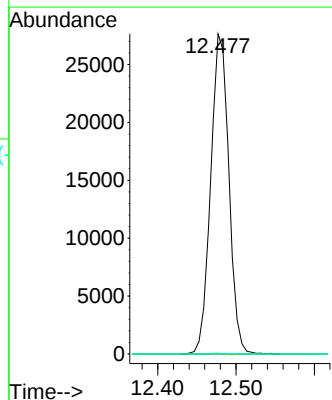
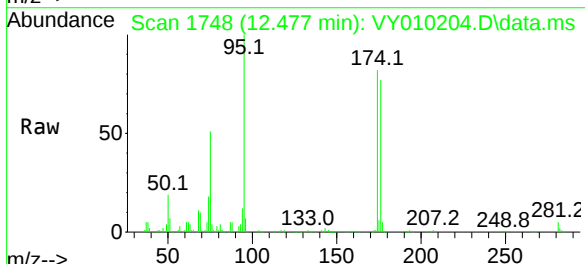
Instrument :
MSVOA_Y
ClientSampleId :
VOC

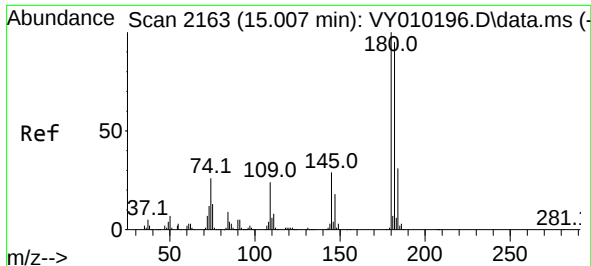
Tgt Ion: 75 Resp: 44461
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.174 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

Tgt Ion: 75 Resp: 44461
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

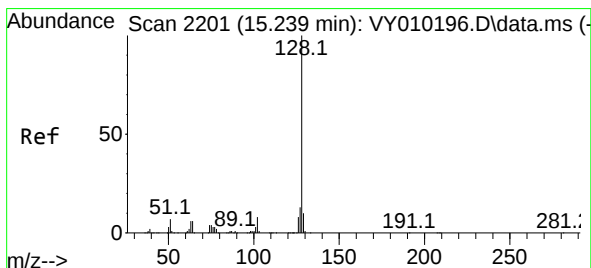
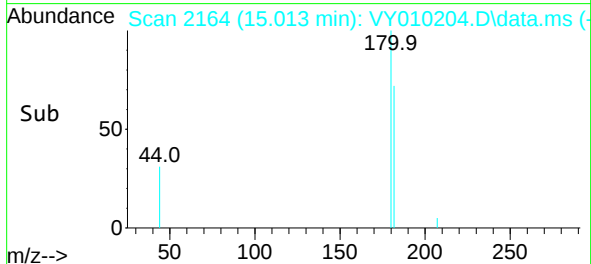
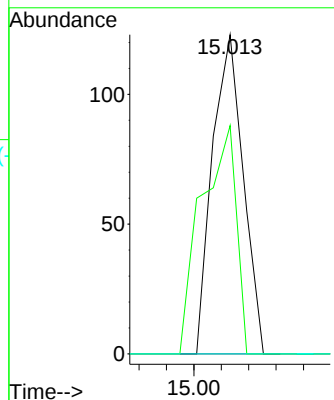
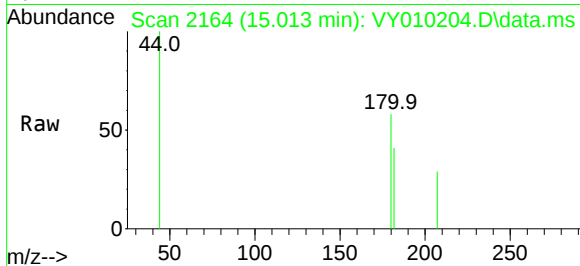




#93
1,2,4-Trichlorobenzene
Concen: 4.622 ug/l
RT: 15.013 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

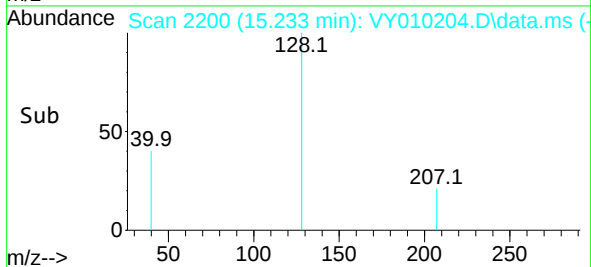
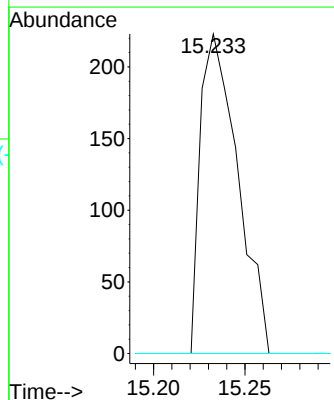
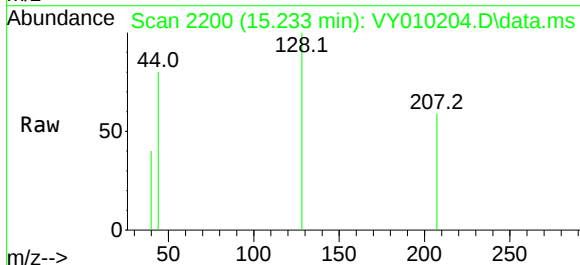
Instrument :
MSVOA_Y
ClientSampleId :
VOC

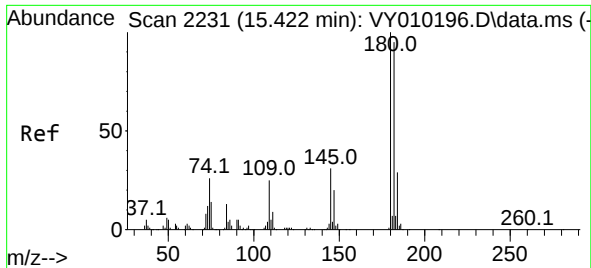
Tgt Ion:180 Resp: 96
Ion Ratio Lower Upper
180 100
182 81.3 47.3 141.9
145 0.0 14.6 43.8#



#95
Naphthalene
Concen: 5.996 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY010204.D
Acq: 25 Aug 2022 13:49

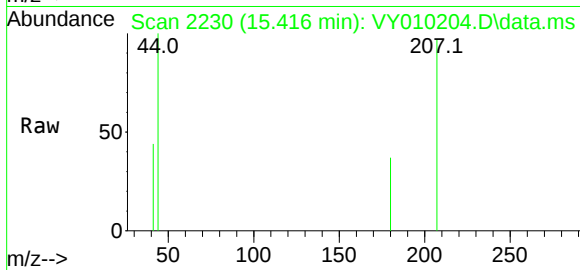
Tgt Ion:128 Resp: 317
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.647 ug/l
 RT: 15.416 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY010204.D
 Acq: 25 Aug 2022 13:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.9#
145	0.0	15.3	45.9#

