

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
 Data File : VY010210.D
 Acq On : 25 Aug 2022 17:52
 Operator : KP/MD
 Sample : N4328-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Aug 26 06:48:01 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)

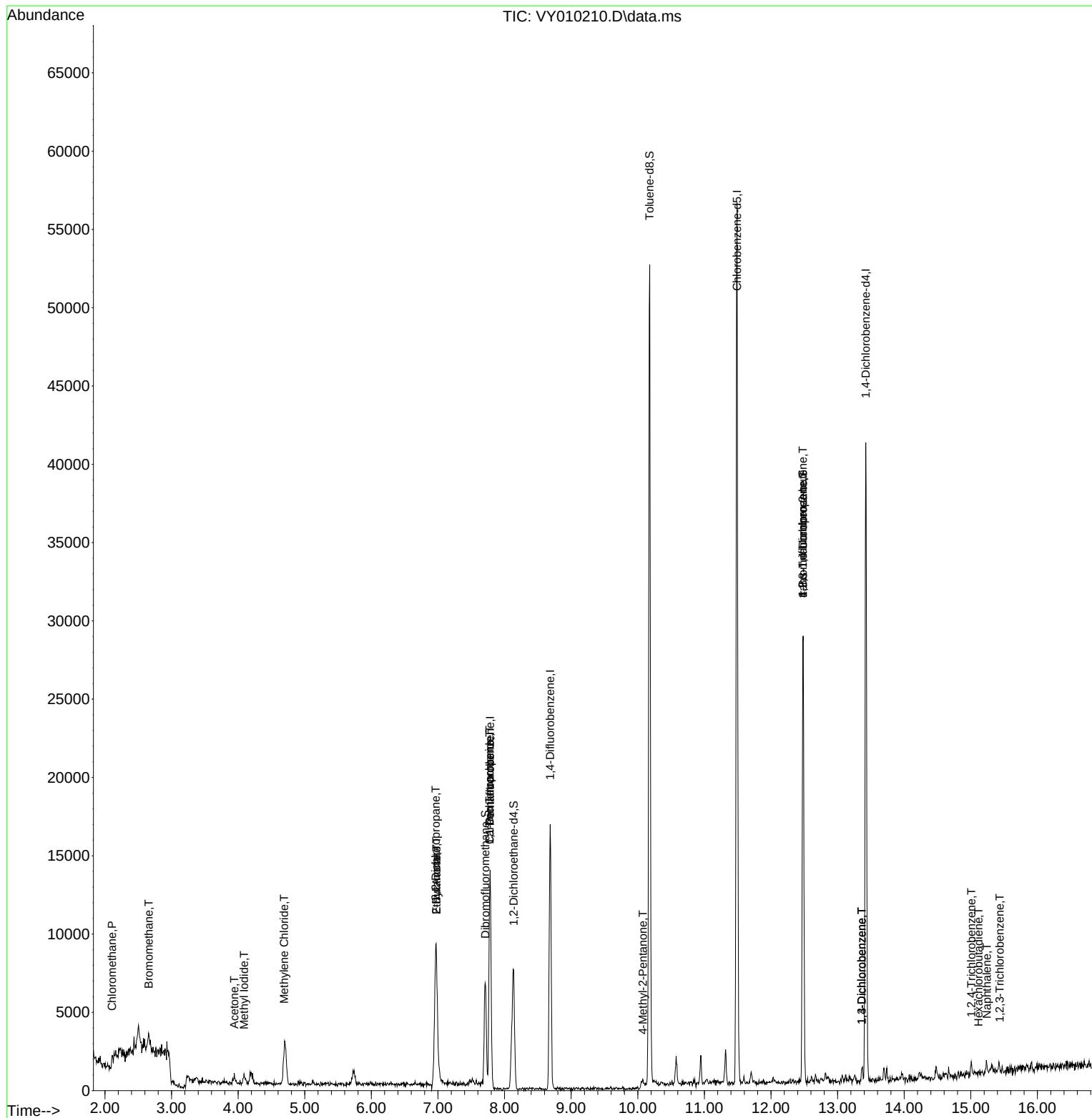
Internal Standards						
1) Pentafluorobenzene	7.783	168	11908	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	15279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	31384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	4959	49.555	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.120%
35) Dibromofluoromethane	7.710	113	4771	47.625	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.260%
50) Toluene-d8	10.179	98	35223	101.318	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	202.640%#
62) 4-Bromofluorobenzene	12.477	95	8701	65.330	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	130.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	36	Below Cal	#	43
3) Chloromethane	2.107	50	494	4.916	ug/l	97
5) Bromomethane	2.656	94	451	5.108	ug/l	# 70
10) Methyl Iodide	4.088	142	736	5.401	ug/l	# 84
11) Tert butyl alcohol	4.930	59	173	Below Cal	#	77
16) Acetone	3.942	43	559	17.290	ug/l	97
18) Methyl Acetate	4.216	43	76	Below Cal	#	56
20) Methylene Chloride	4.692	84	2073	7.751	ug/l	# 82
25) 2-Butanone	6.978	43	622	11.587	ug/l	# 54
26) 2,2-Dichloropropane	6.966	77	564	2.465	ug/l	# 55
36) 1,1-Dichloropropene	7.777	75	800	5.430	ug/l	# 42
37) Ethyl Acetate	6.978	43	622	6.605	ug/l	# 6
38) Carbon Tetrachloride	7.777	117	1100	7.049	ug/l	# 11
51) 4-Methyl-2-Pentanone	10.075	43	229	2.551	ug/l	# 40
76) 1,2,3-Trichloropropane	12.477	75	4414	35.854	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	4414	76.234	ug/l	# 7
87) 1,3-Dichlorobenzene	13.361	146	427	1.101	ug/l	75
88) 1,4-Dichlorobenzene	13.361	146	427	1.092	ug/l	74
93) 1,2,4-Trichlorobenzene	15.007	180	298	5.880	ug/l	99
94) Hexachlorobutadiene	15.117	225	118	1.216	ug/l	# 58
95) Naphthalene	15.239	128	755	7.460	ug/l	# 77
96) 1,2,3-Trichlorobenzene	15.434	180	350	6.356	ug/l	# 63

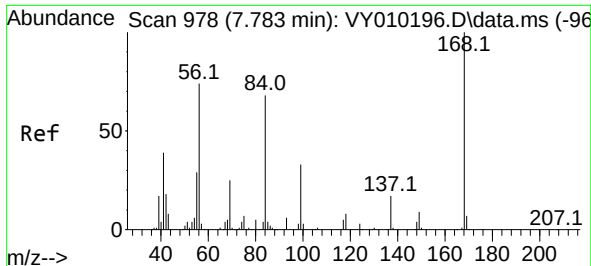
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 26 06:12:05 2022
Response via : Initial Calibration

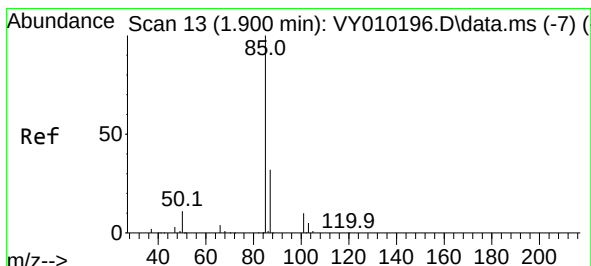
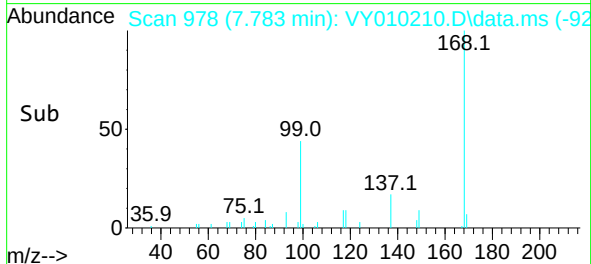
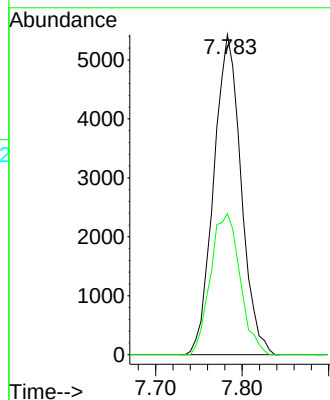
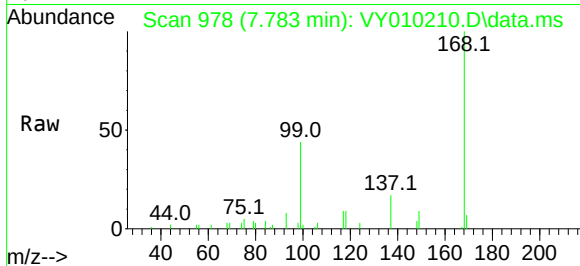




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

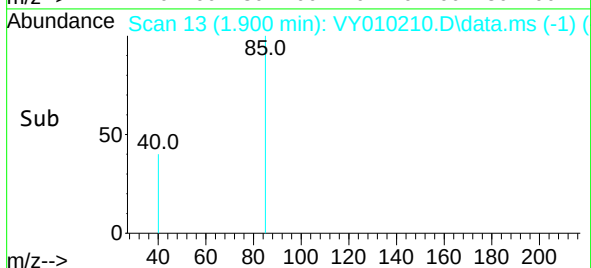
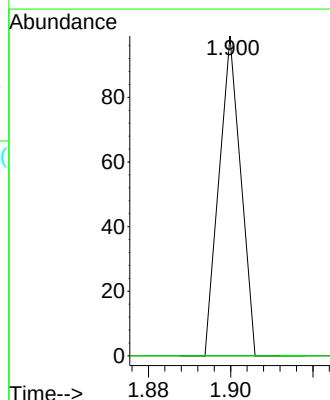
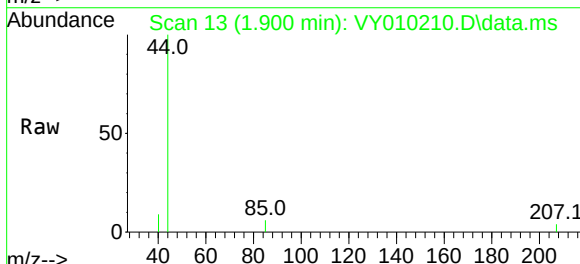
Instrument :
MSVOA_Y
ClientSampleId :
VOC

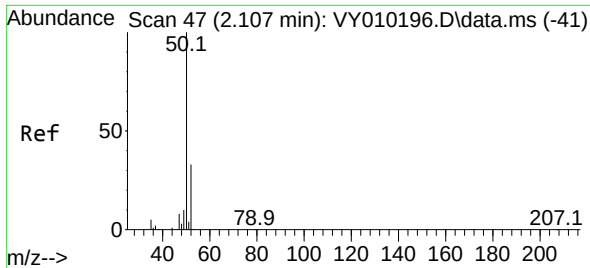
Tgt Ion:168 Resp: 11908
Ion Ratio Lower Upper
168 100
99 44.1 46.9 70.3#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

Tgt Ion: 85 Resp: 36
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

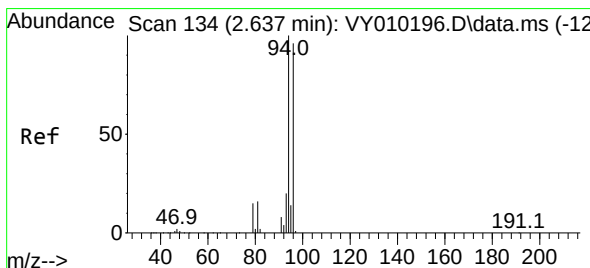
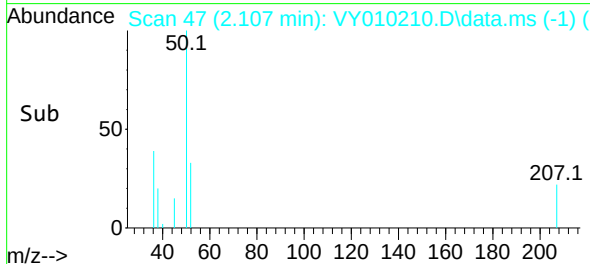
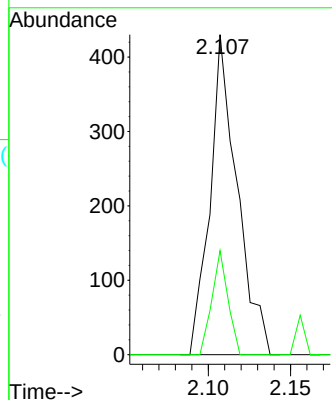
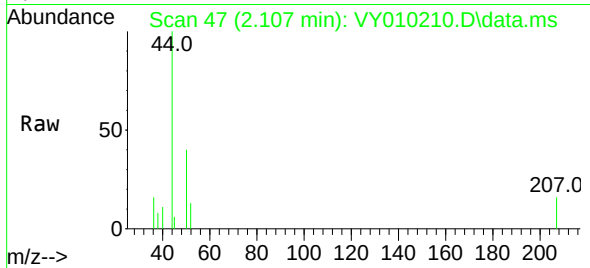




#3
Chloromethane
Concen: 4.916 ug/l
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

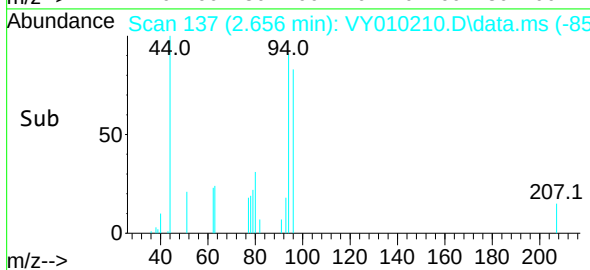
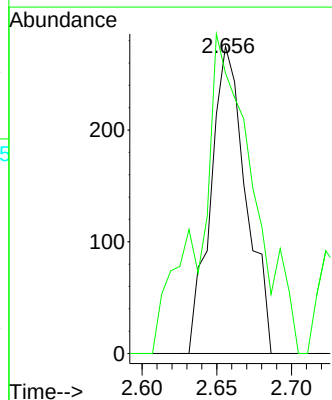
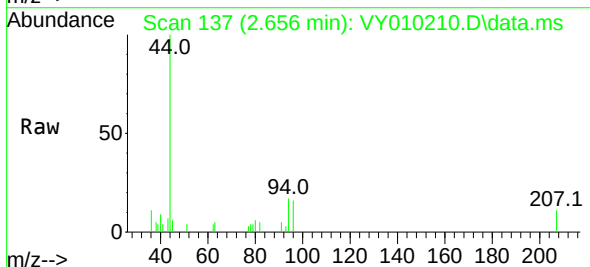
Instrument :
MSVOA_Y
ClientSampleId :
VOC

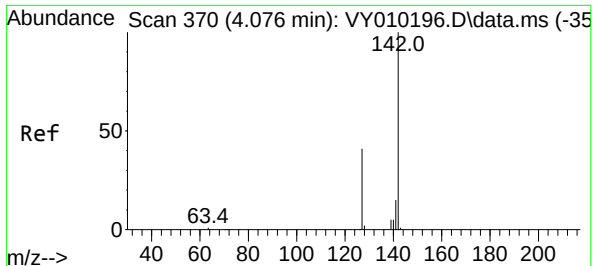
Tgt Ion: 50 Resp: 494
Ion Ratio Lower Upper
50 100
52 32.6 24.6 37.0



#5
Bromomethane
Concen: 5.108 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

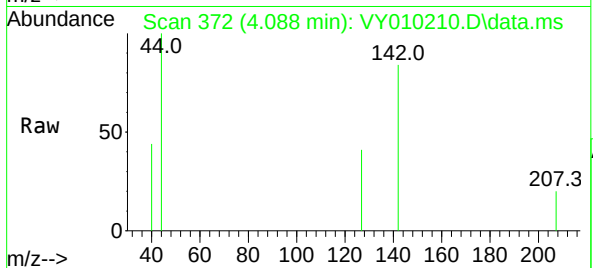
Tgt Ion: 94 Resp: 451
Ion Ratio Lower Upper
94 100
96 62.9 73.5 110.3#



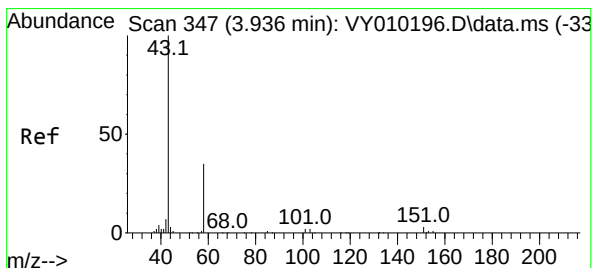
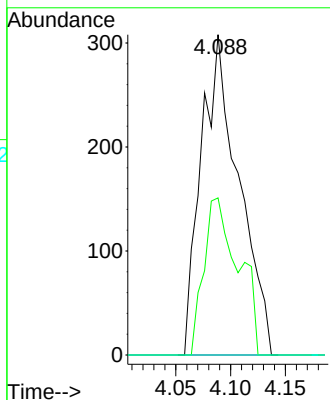
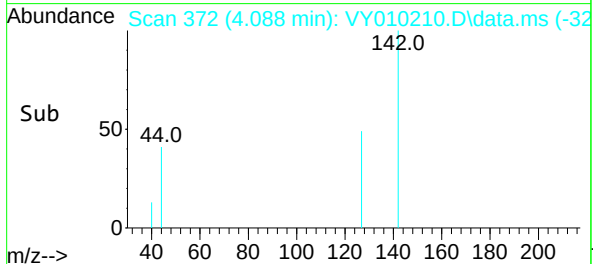


#10
Methyl Iodide
Concen: 5.401 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

Instrument :
MSVOA_Y
ClientSampleId :
VOC

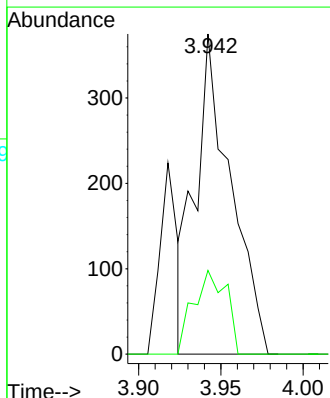
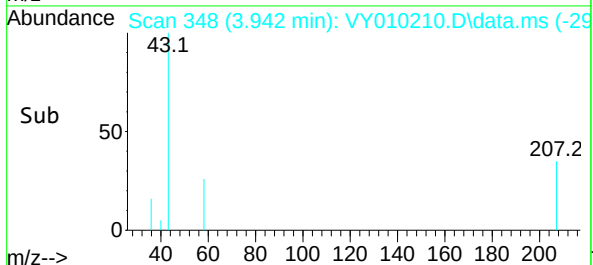
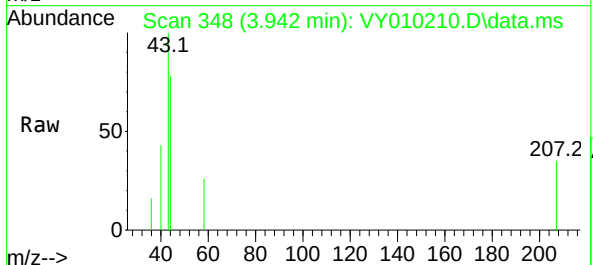


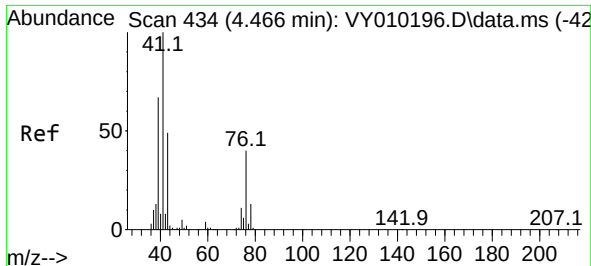
Tgt Ion:142 Resp: 736
Ion Ratio Lower Upper
142 100
127 45.0 41.5 62.3
141 0.0 11.9 17.9#



#16
Acetone
Concen: 17.290 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
58 26.1 22.0 33.0

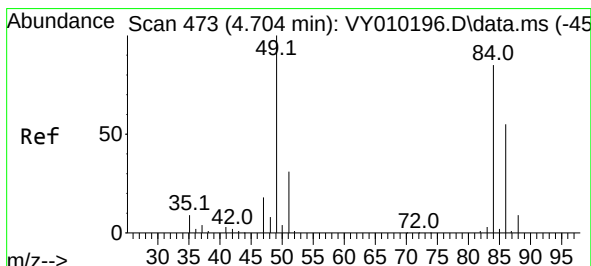
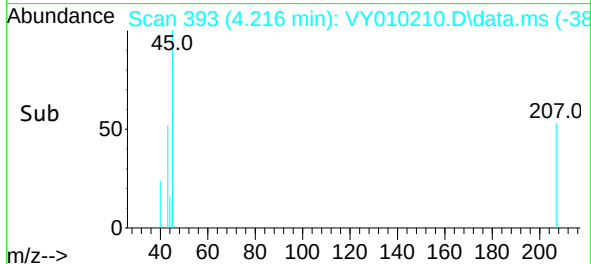
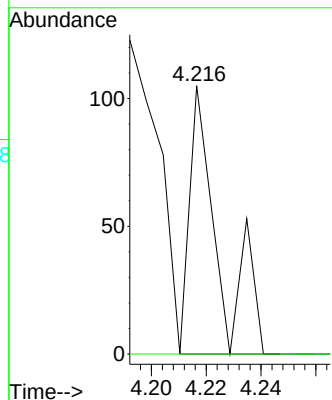
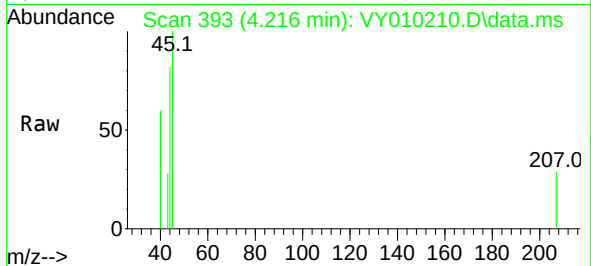




#18
Methyl Acetate
Concen: Below Cal
RT: 4.216 min Scan# 393
Delta R.T. -0.250 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

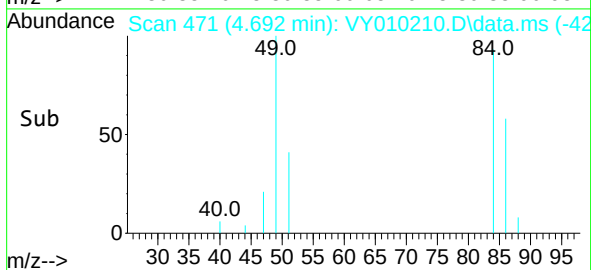
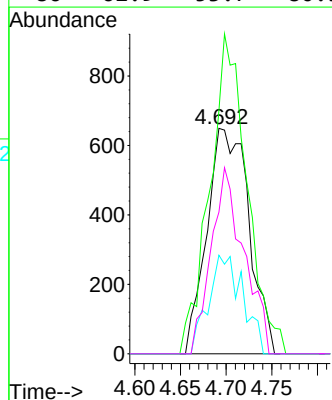
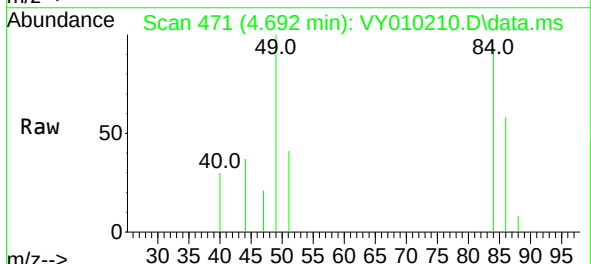
Instrument :
MSVOA_Y
ClientSampleId :
VOC

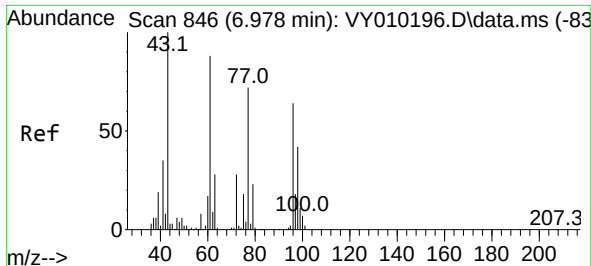
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 7.751 ug/l
RT: 4.692 min Scan# 471
Delta R.T. -0.012 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

Tgt Ion: 84 Resp: 2073
Ion Ratio Lower Upper
84 100
49 107.9 114.4 171.6#
51 43.8 35.3 52.9
86 62.9 53.7 80.5

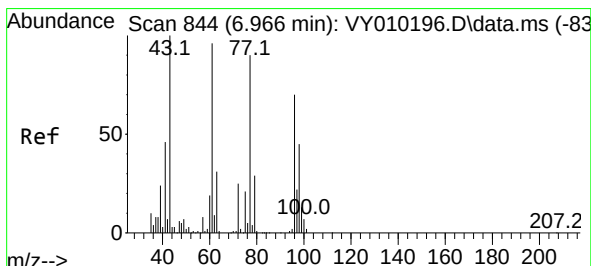
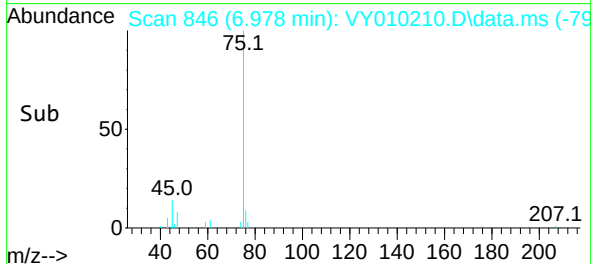
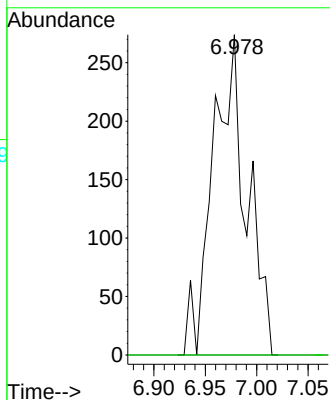
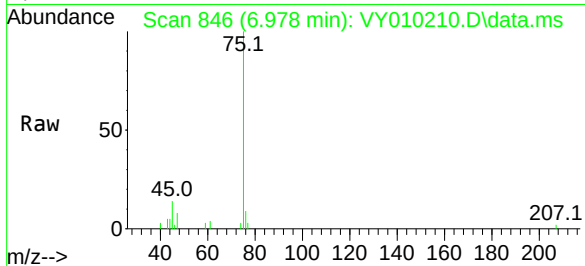




#25
2-Butanone
Concen: 11.587 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

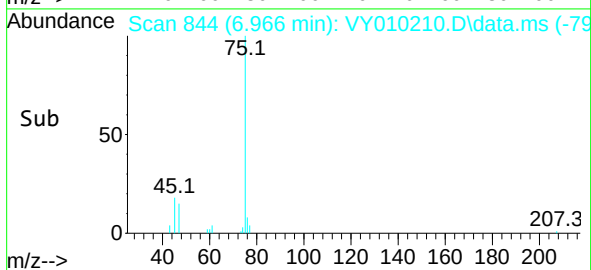
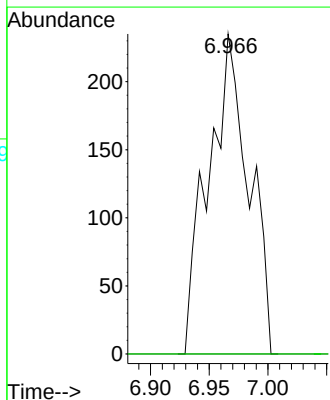
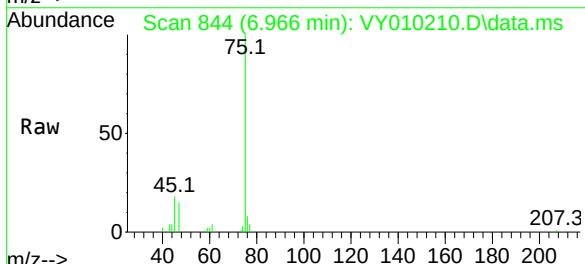
Instrument :
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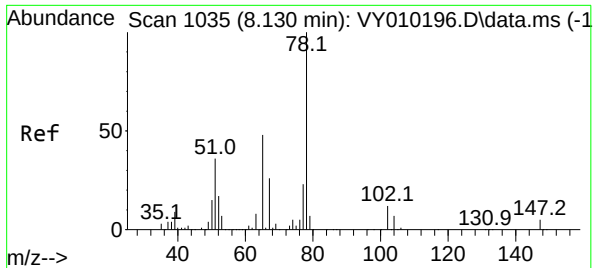
Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 2.465 ug/l
RT: 6.966 min Scan# 844
Delta R.T. 0.000 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

Tgt Ion: 77 Resp: 564
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#





#33

1,2-Dichloroethane-d4

Concen: 49.555 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. 0.007 min

Lab File: VY010210.D

Acq: 25 Aug 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

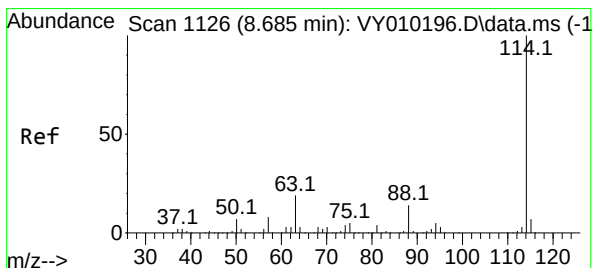
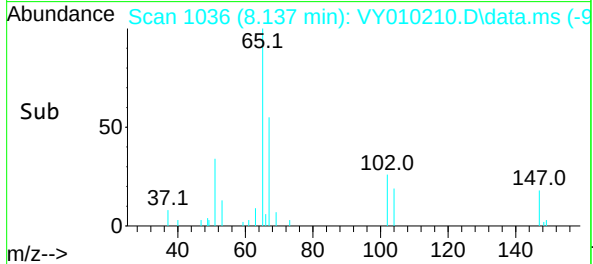
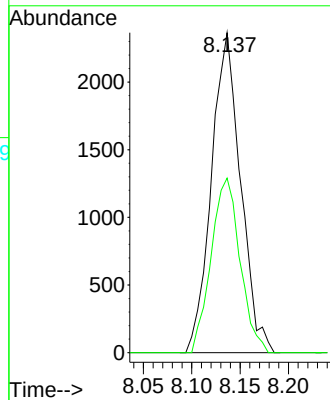
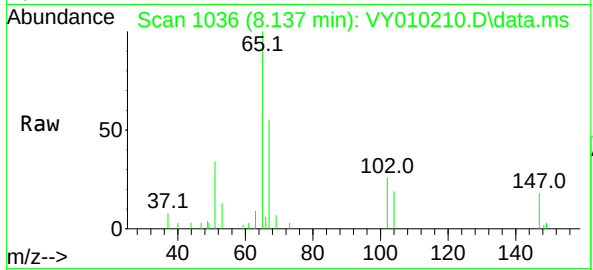
VOC

Tgt Ion: 65 Resp: 4959

Ion Ratio Lower Upper

65 100

67 54.0 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: VY010210.D

Acq: 25 Aug 2022 17:52

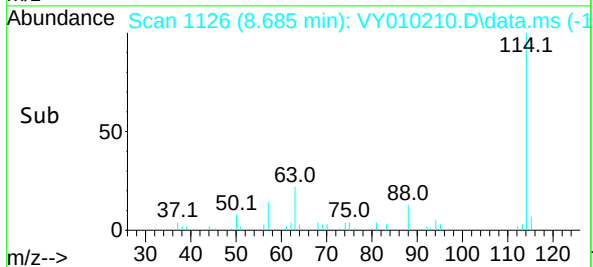
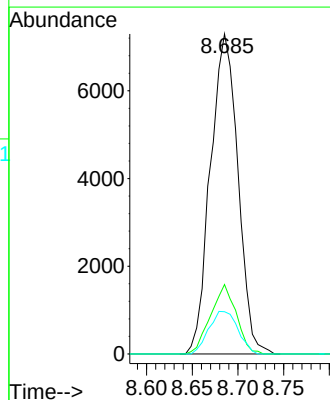
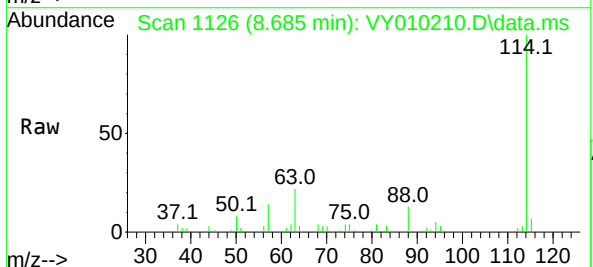
Tgt Ion: 114 Resp: 15279

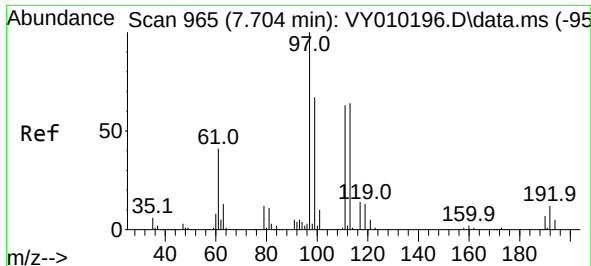
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 13.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.625 ug/l

RT: 7.710 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY010210.D

Acq: 25 Aug 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VOC

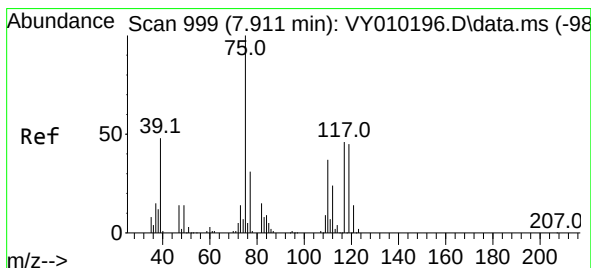
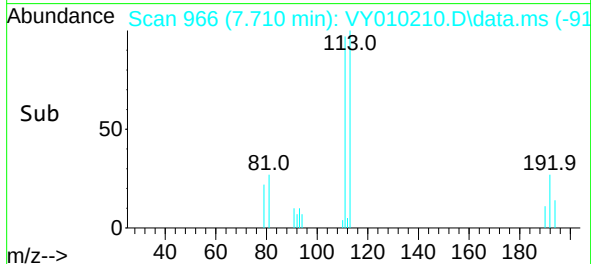
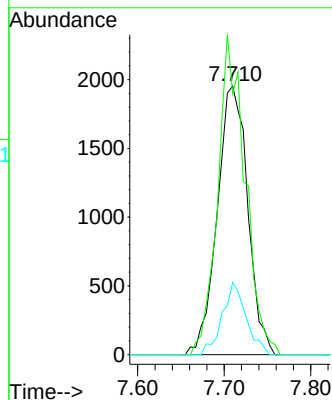
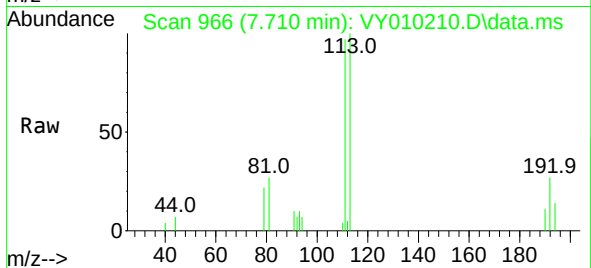
Tgt Ion:113 Resp: 4771

Ion Ratio Lower Upper

113 100

111 106.9 82.6 124.0

192 21.1 17.6 26.4



#36

1,1-Dichloropropene

Concen: 5.430 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.134 min

Lab File: VY010210.D

Acq: 25 Aug 2022 17:52

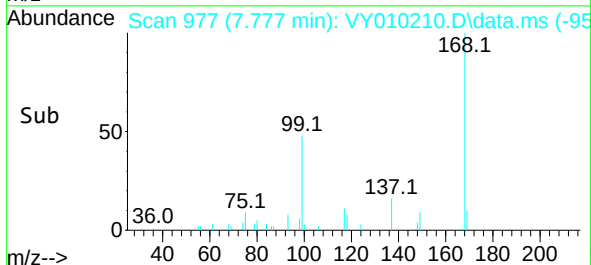
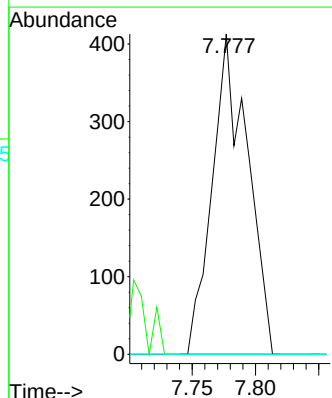
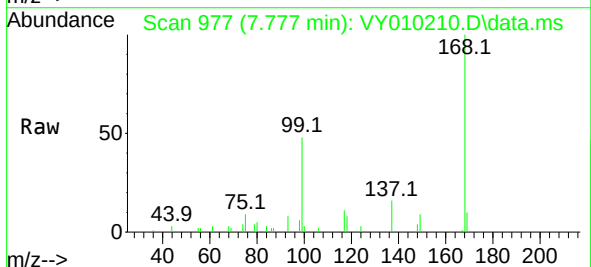
Tgt Ion: 75 Resp: 800

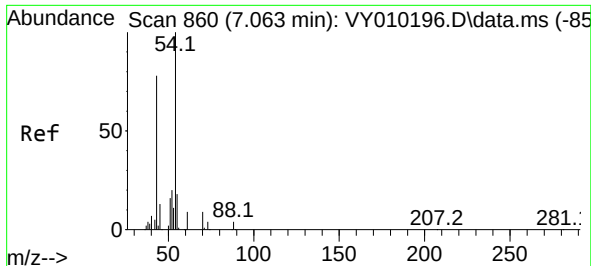
Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 6.605 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY010210.D

Acq: 25 Aug 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VOC

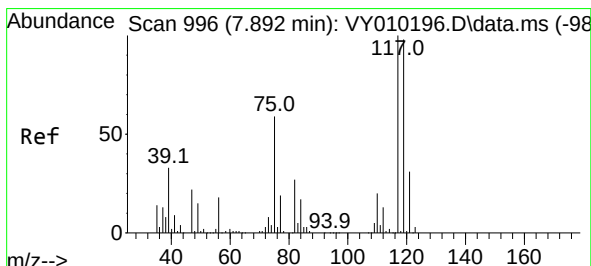
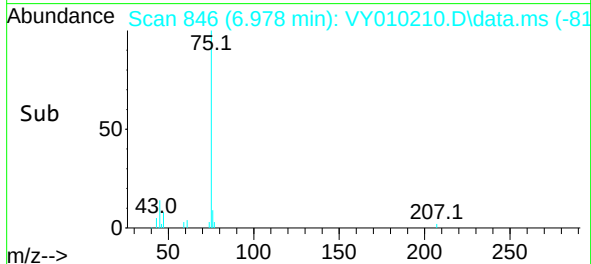
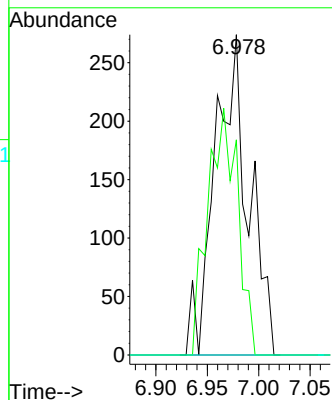
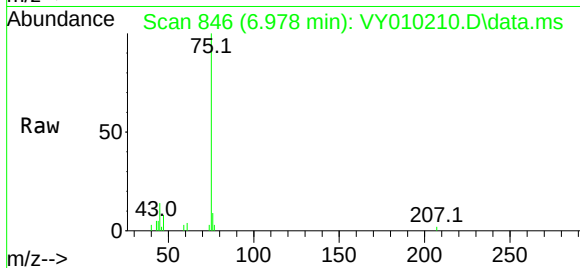
Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

61 68.6 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.049 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.115 min

Lab File: VY010210.D

Acq: 25 Aug 2022 17:52

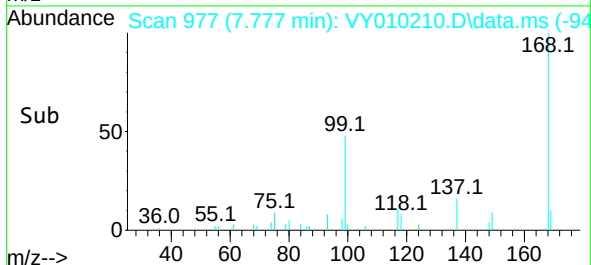
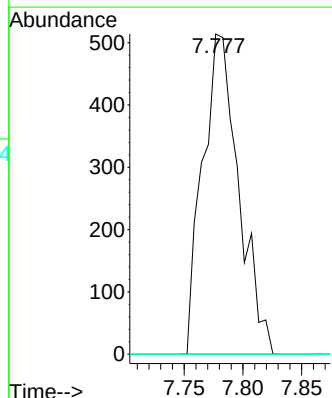
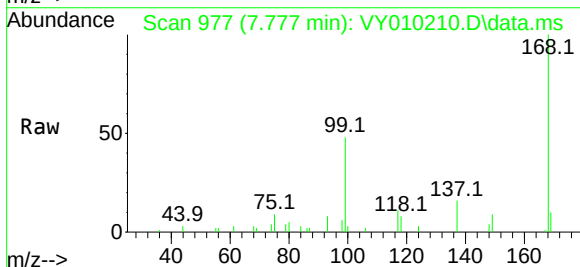
Tgt Ion: 117 Resp: 1100

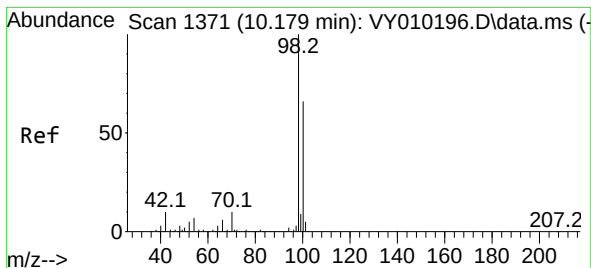
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

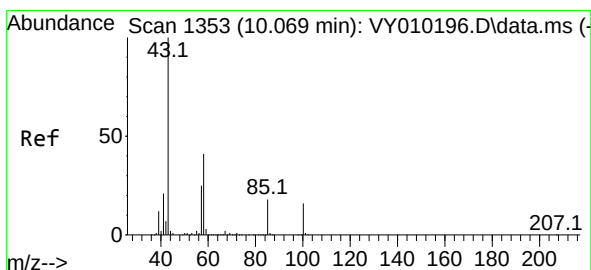
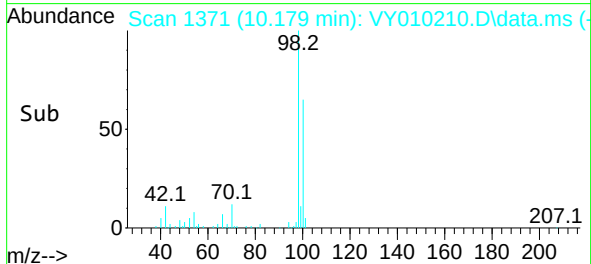
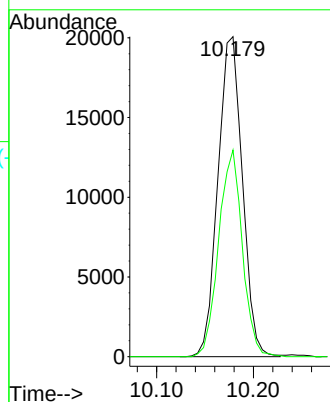
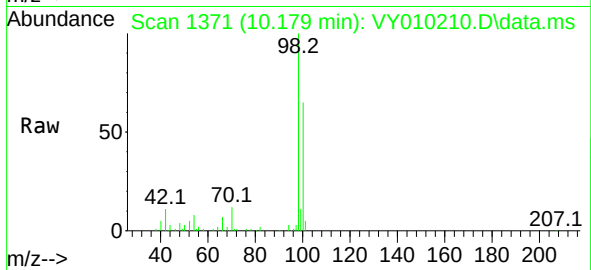




#50
Toluene-d8
Concen: 101.318 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

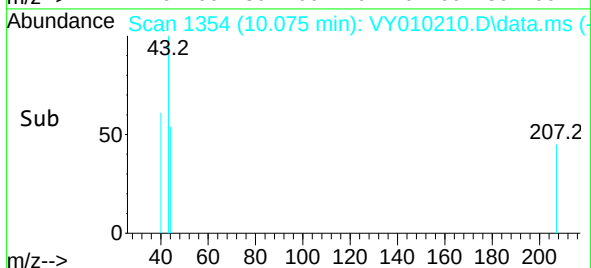
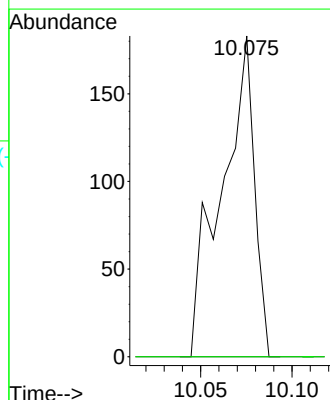
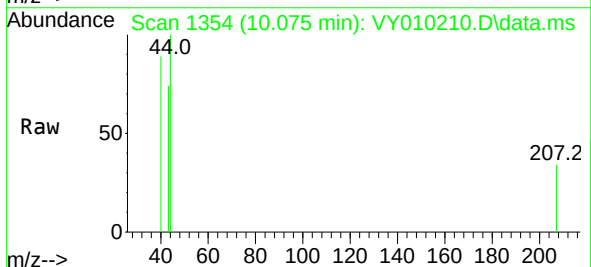
Instrument :
MSVOA_Y
ClientSampleId :
VOC

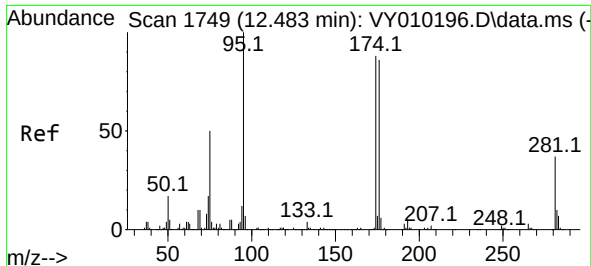
Tgt Ion: 98 Resp: 35223
Ion Ratio Lower Upper
98 100
100 62.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 2.551 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

Tgt Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#

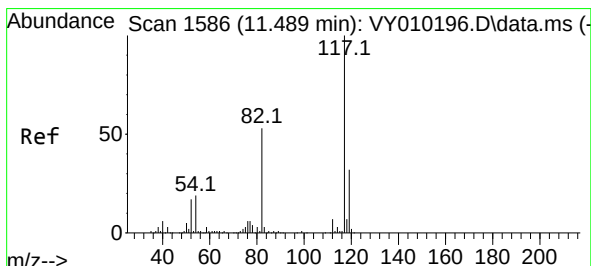
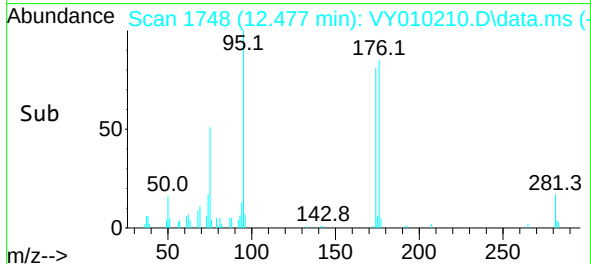
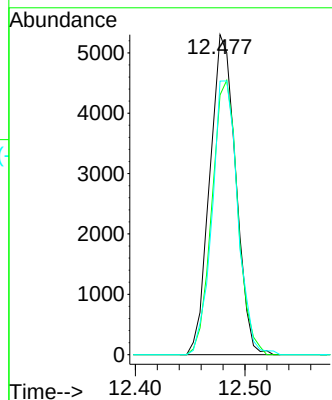
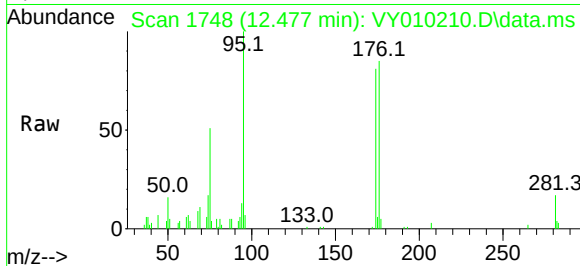




#62
4-Bromofluorobenzene
Concen: 65.330 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

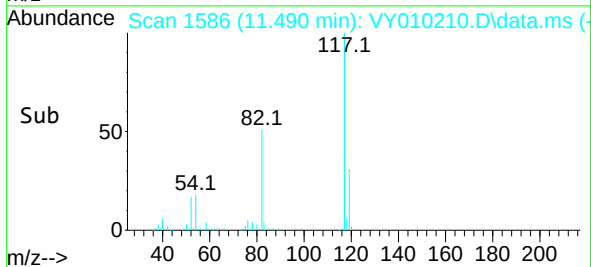
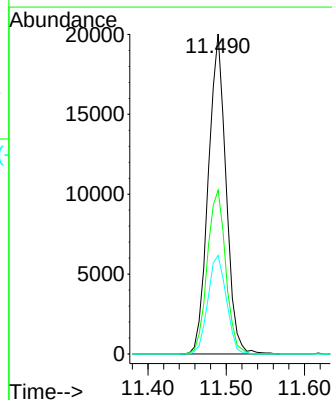
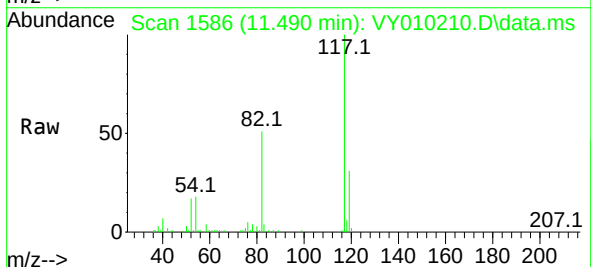
Instrument :
MSVOA_Y
ClientSampleId :
VOC

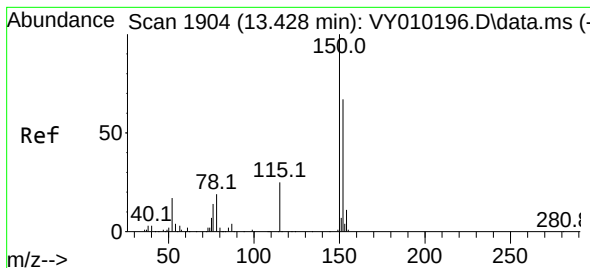
Tgt Ion: 95 Resp: 8701
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 84.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

Tgt Ion: 117 Resp: 31384
Ion Ratio Lower Upper
117 100
82 51.2 43.0 64.4
119 30.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY010210.D

Acq: 25 Aug 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VOC

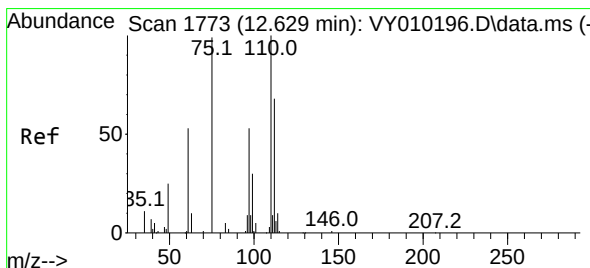
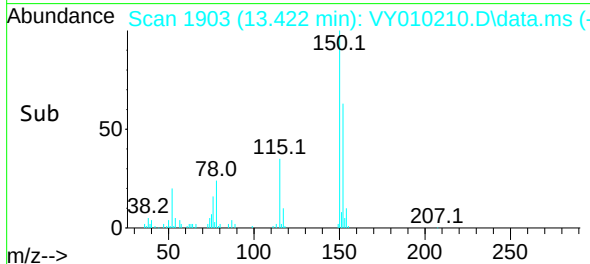
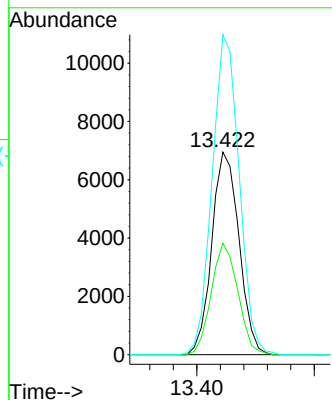
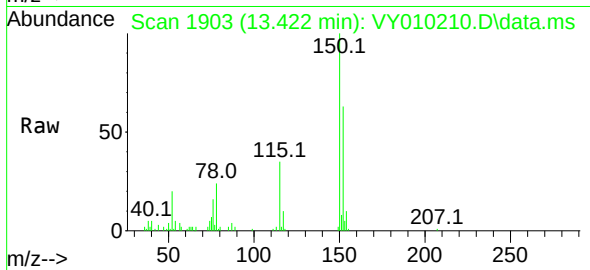
Tgt Ion:152 Resp: 11178

Ion Ratio Lower Upper

152 100

115 53.8 28.2 84.7

150 157.3 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 35.854 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010210.D

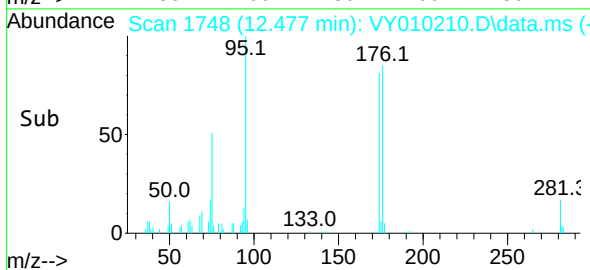
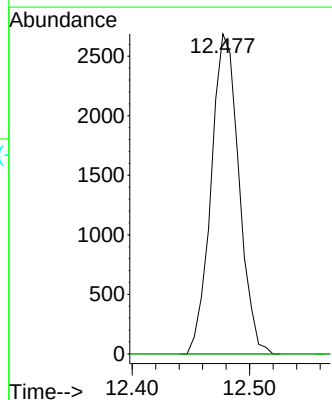
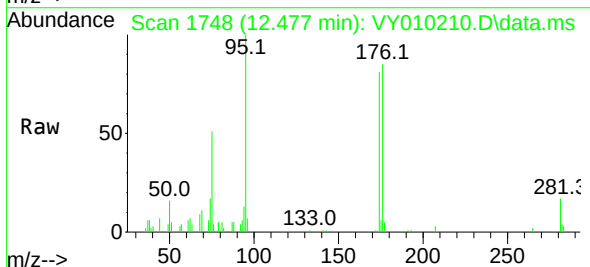
Acq: 25 Aug 2022 17:52

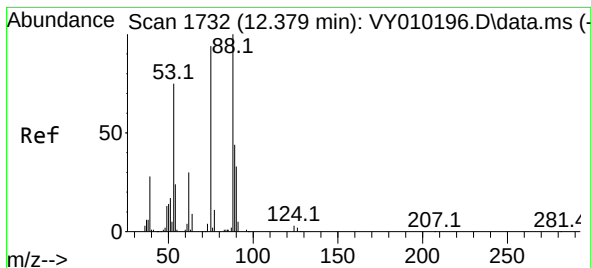
Tgt Ion: 75 Resp: 4414

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

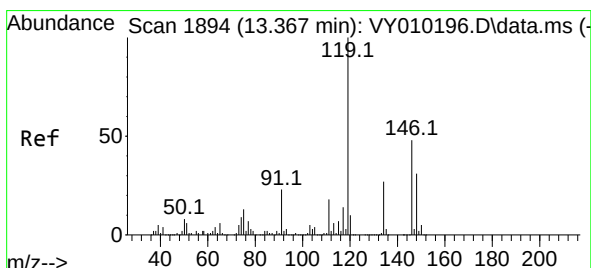
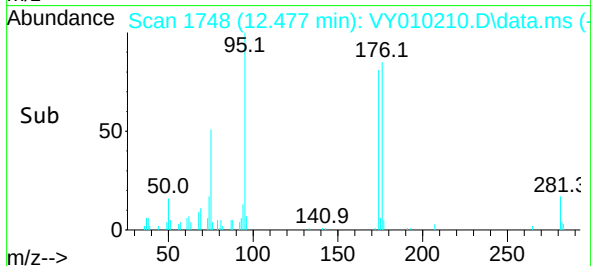
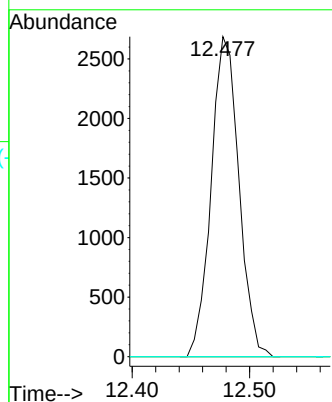
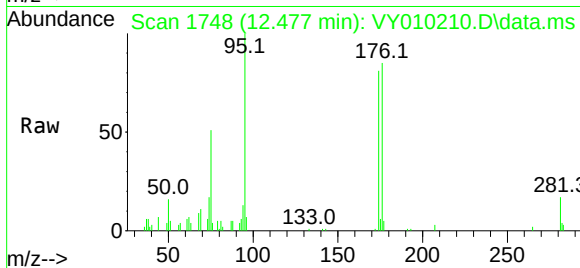




#81
trans-1,4-Dichloro-2-butene
Concen: 76.234 ug/l
RT: 12.477 min Scan# 1732
Delta R.T. 0.098 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

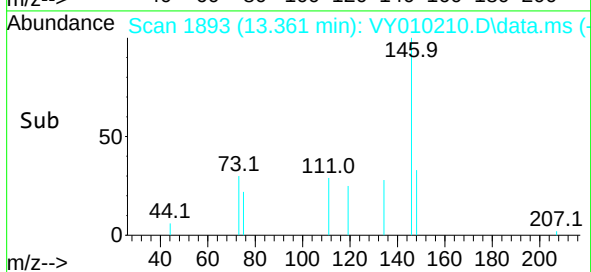
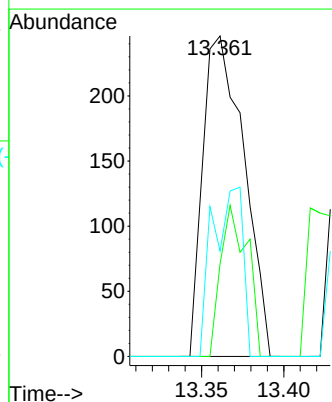
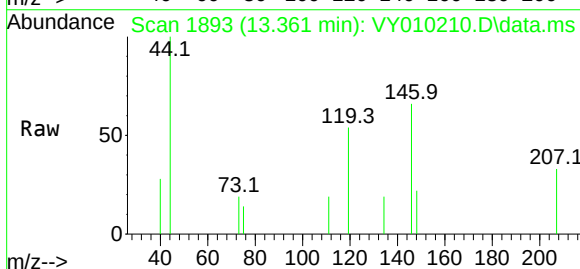
Instrument :
MSVOA_Y
ClientSampleId :
VOC

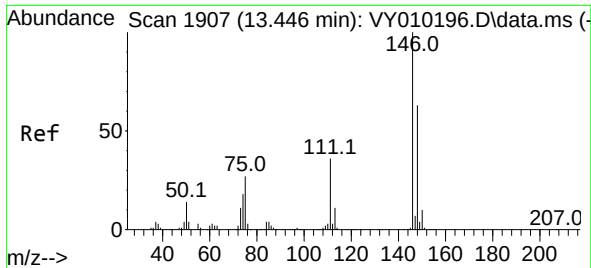
Tgt Ion: 75 Resp: 4414
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#87
1,3-Dichlorobenzene
Concen: 1.101 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY010210.D
Acq: 25 Aug 2022 17:52

Tgt Ion: 146 Resp: 427
Ion Ratio Lower Upper
146 100
111 30.7 19.5 58.5
148 38.9 31.6 95.0

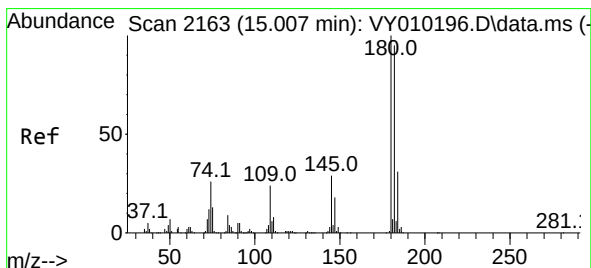
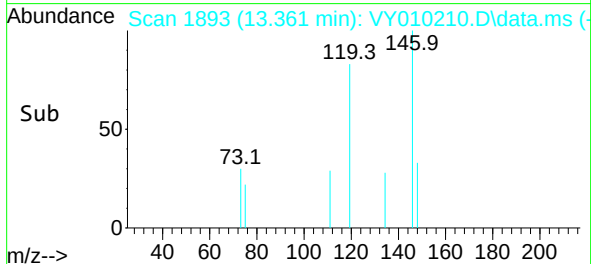
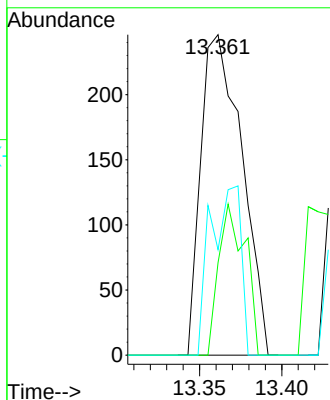
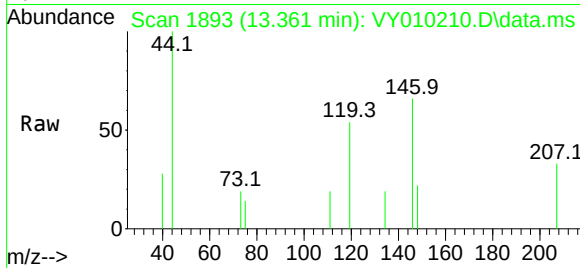




#88
 1,4-Dichlorobenzene
 Concen: 1.092 ug/l
 RT: 13.361 min Scan# 11
 Delta R.T. -0.085 min
 Lab File: VY010210.D
 Acq: 25 Aug 2022 17:52

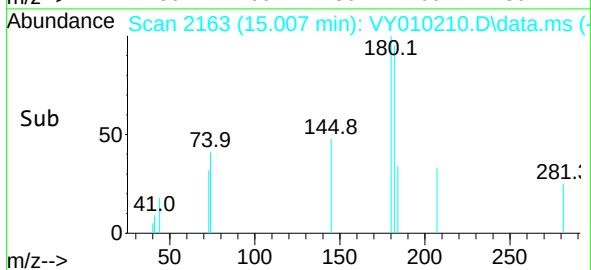
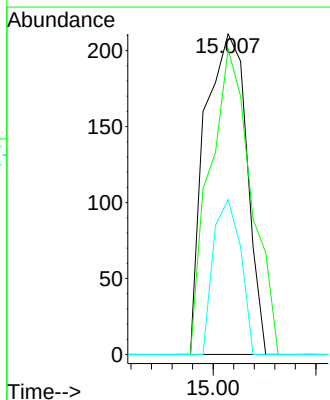
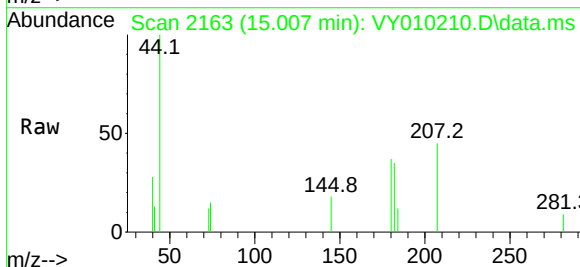
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

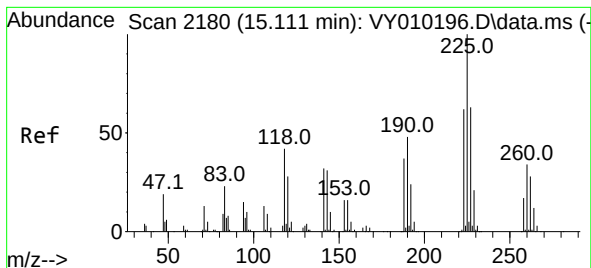
Tgt Ion:146	Resp:	427
Ion	Ratio	Lower Upper
146	100	
111	30.7	19.3 57.8
148	38.9	32.6 97.8



#93
 1,2,4-Trichlorobenzene
 Concen: 5.880 ug/l
 RT: 15.007 min Scan# 2163
 Delta R.T. 0.000 min
 Lab File: VY010210.D
 Acq: 25 Aug 2022 17:52

Tgt Ion:180	Resp:	298
Ion	Ratio	Lower Upper
180	100	
182	94.3	47.3 141.9
145	31.5	14.6 43.8





#94

Hexachlorobutadiene

Concen: 1.216 ug/l

RT: 15.117 min Scan# 2180

Delta R.T. 0.006 min

Lab File: VY010210.D

Acq: 25 Aug 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

VOC

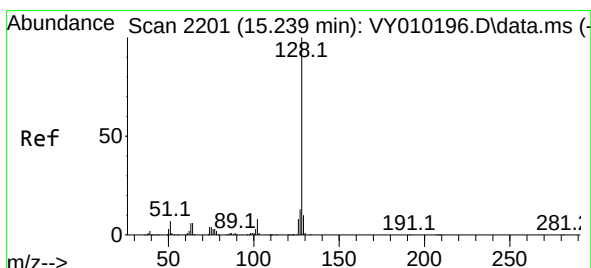
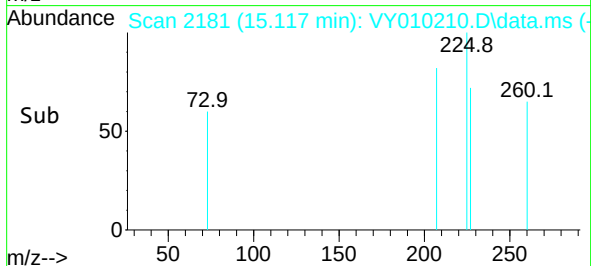
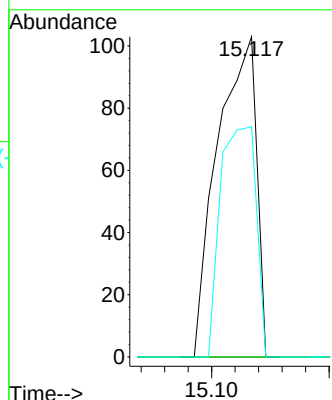
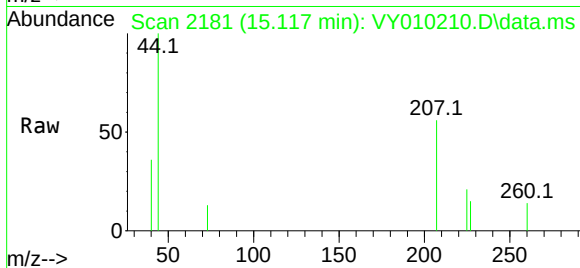
Tgt Ion:225 Resp: 118

Ion Ratio Lower Upper

225 100

223 0.0 30.8 92.3#

227 66.1 31.6 94.7



#95

Naphthalene

Concen: 7.460 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY010210.D

Acq: 25 Aug 2022 17:52

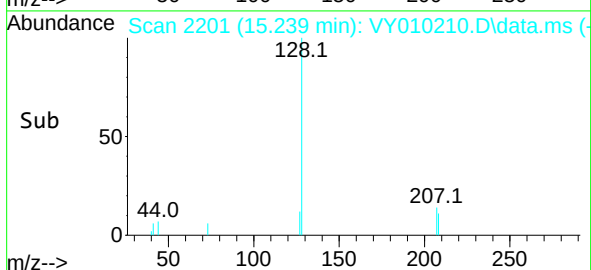
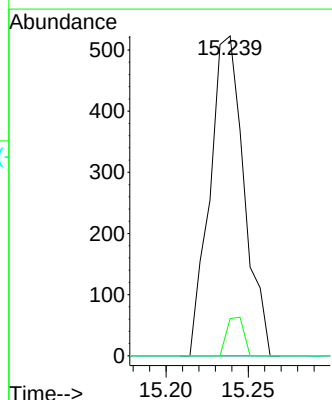
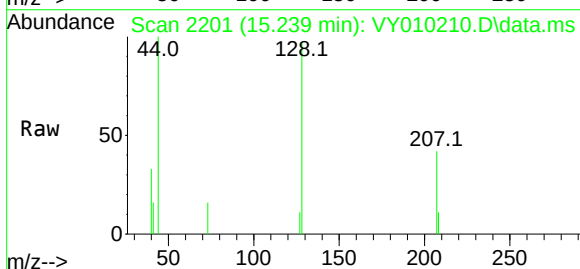
Tgt Ion:128 Resp: 755

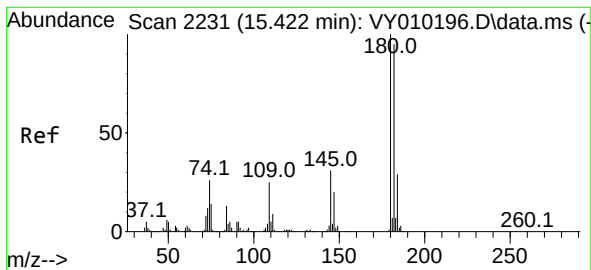
Ion Ratio Lower Upper

128 100

127 6.0 11.0 16.4#

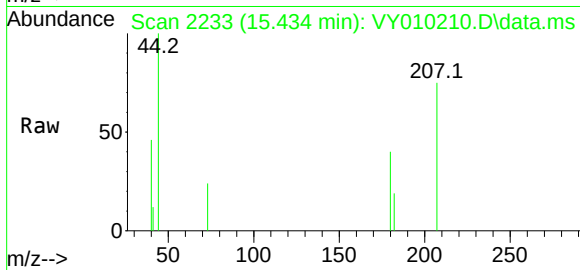
129 0.0 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 6.356 ug/l
 RT: 15.434 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY010210.D
 Acq: 25 Aug 2022 17:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC



Tgt Ion:180 Resp: 350
 Ion Ratio Lower Upper
 180 100
 182 64.6 47.3 141.9
 145 0.0 15.3 45.9#

