

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011623\
 Data File : VY012210.D
 Acq On : 16 Jan 2023 19:29
 Operator : KP/MD
 Sample : 01133-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC

Quant Time: Jan 17 04:51:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

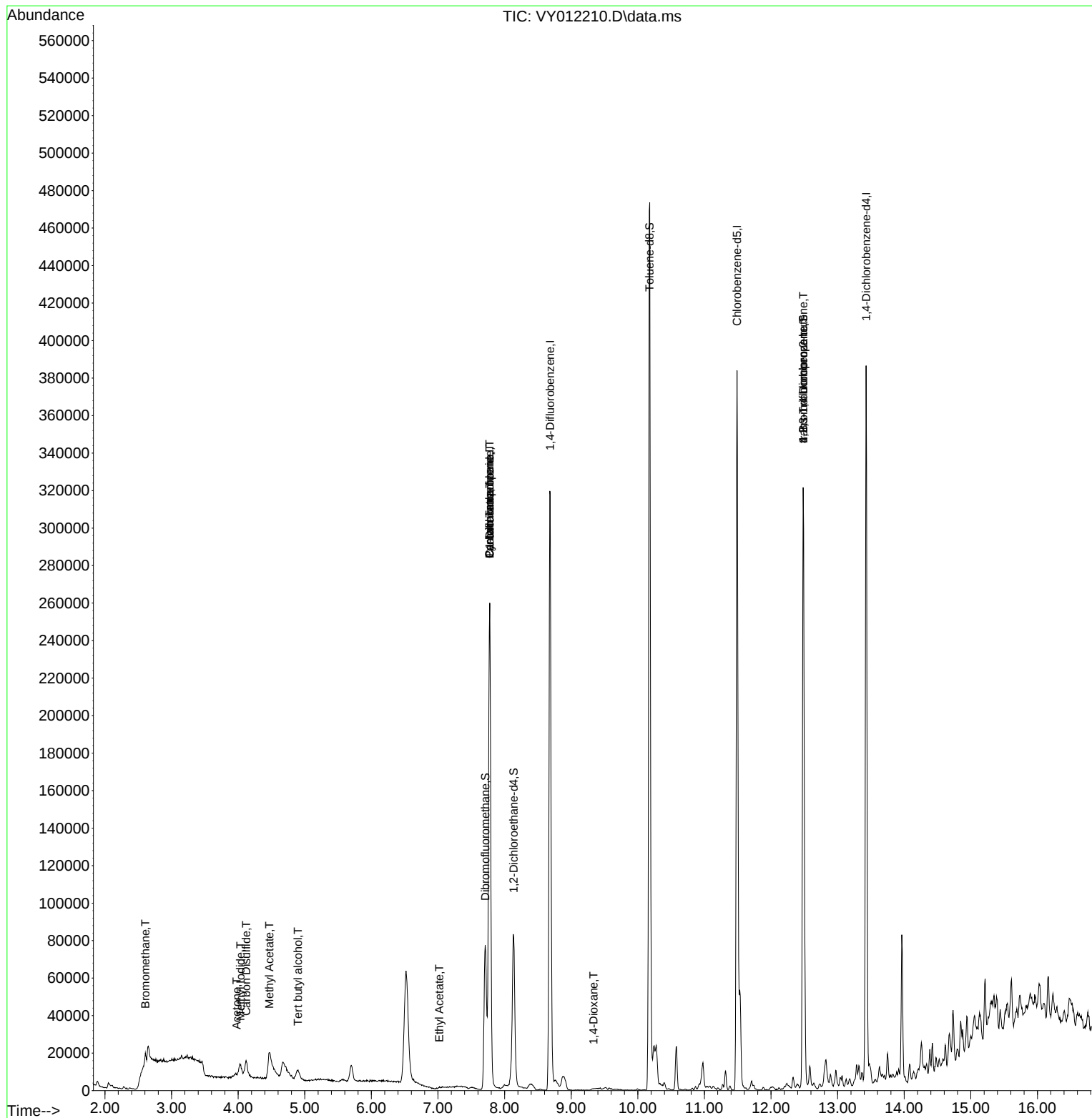
Internal Standards						
1) Pentafluorobenzene	7.777	168	206470	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	304796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	264673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	79849	46.372	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.740%
35) Dibromofluoromethane	7.710	113	64550	39.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.000%
50) Toluene-d8	10.179	98	344064	62.623	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	125.240%
62) 4-Bromofluorobenzene	12.483	95	102465	45.038	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.080%
Target Compounds						
					Qvalue	
5) Bromomethane	2.607	94	4422	2.942	ug/l	83
10) Methyl Iodide	4.033	142	11767	4.193	ug/l	96
11) Tert butyl alcohol	4.899	59	5289	14.441	ug/l #	89
13) Acrolein	3.741	56	19	Below Cal	#	14
16) Acetone	3.979	43	3719	6.469	ug/l #	72
17) Carbon Disulfide	4.119	76	17522	2.987	ug/l	99
18) Methyl Acetate	4.466	43	49302	38.323	ug/l	92
20) Methylene Chloride	4.674	84	13494	Below Cal		94
31) Cyclohexane	7.777	56	3679	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	14617	5.329	ug/l #	50
37) Ethyl Acetate	7.021	43	1916	1.585	ug/l #	73
38) Carbon Tetrachloride	7.777	117	20405	5.760	ug/l #	18
49) 1,4-Dioxane	9.337	88	950	63.045	ug/l #	46
76) 1,2,3-Trichloropropane	12.483	75	54557	55.554	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	54557	114.467	ug/l #	13

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

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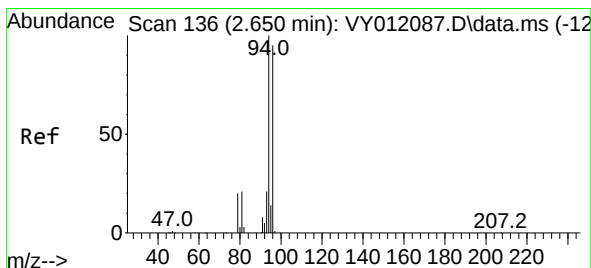
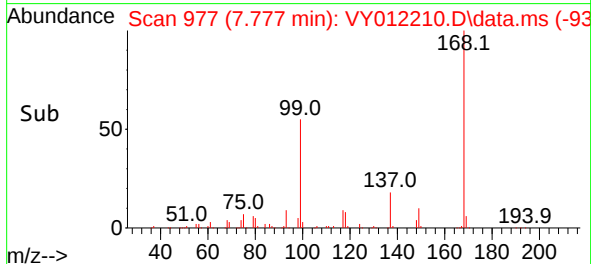
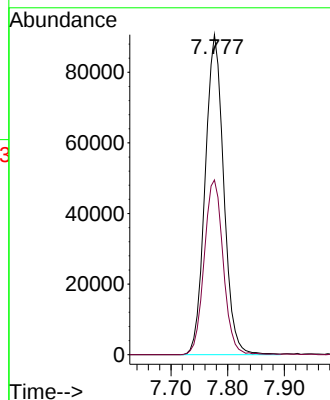
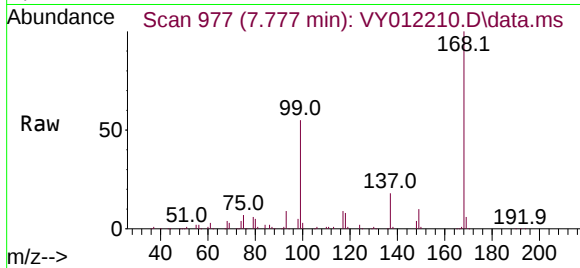




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

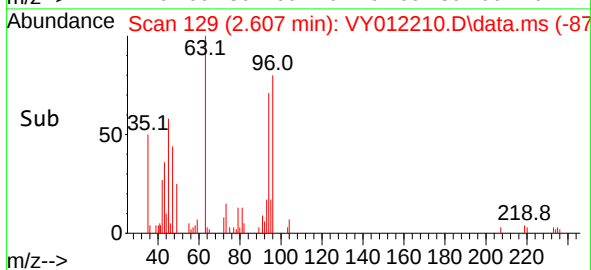
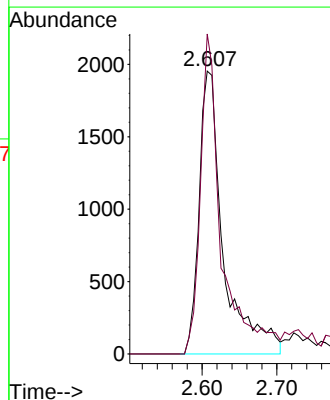
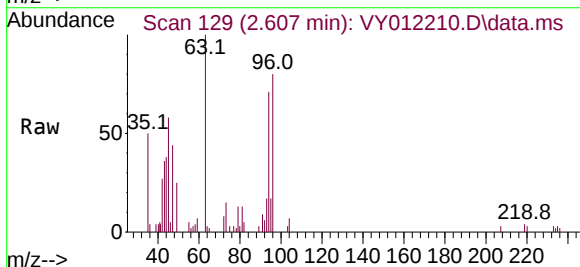
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC

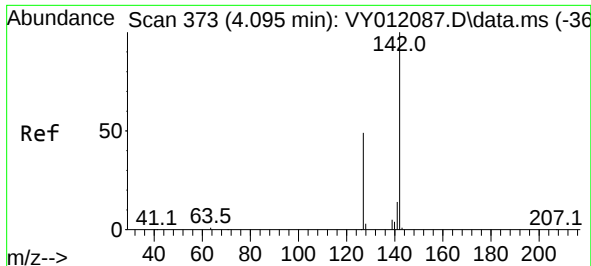
Tgt Ion:168 Resp: 206470
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#5
Bromomethane
Concen: 2.942 ug/l
RT: 2.607 min Scan# 129
Delta R.T. -0.043 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

Tgt Ion: 94 Resp: 4422
Ion Ratio Lower Upper
94 100
96 113.1 77.4 116.2

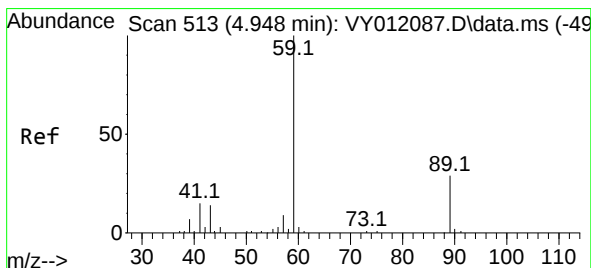
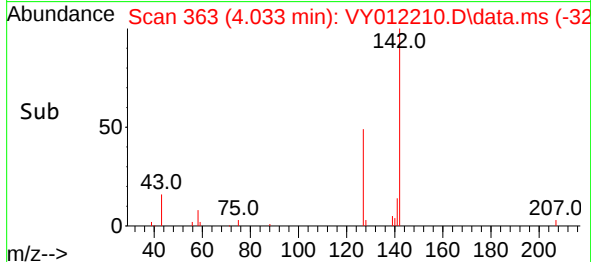
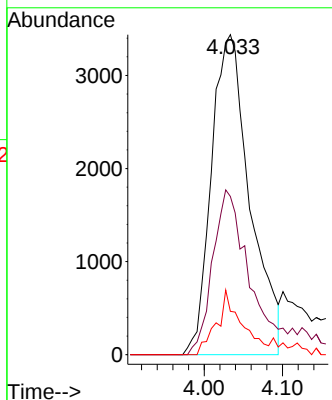
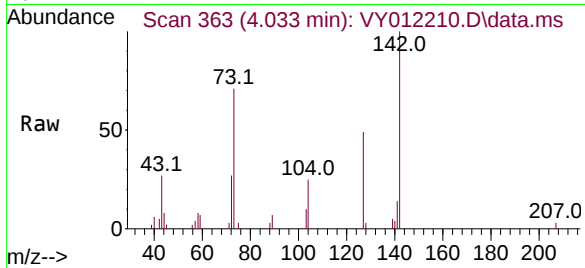




#10
Methyl Iodide
Concen: 4.193 ug/l
RT: 4.033 min Scan# 305
Delta R.T. -0.062 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

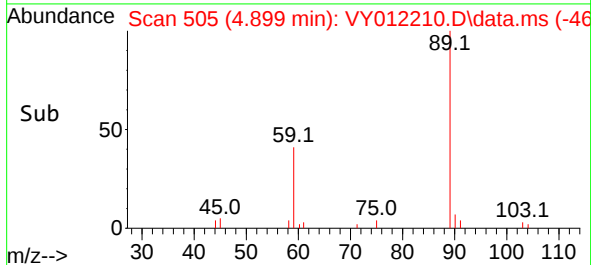
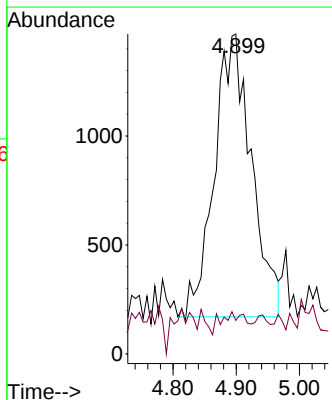
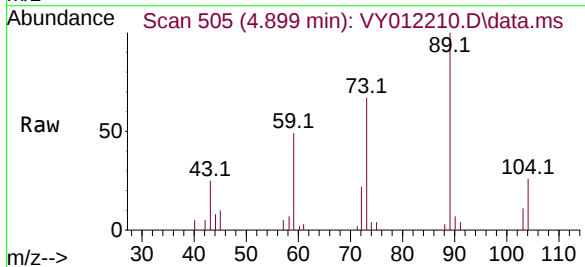
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC

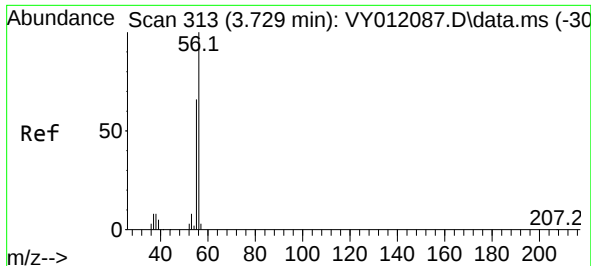
Tgt Ion:142 Resp: 11767
Ion Ratio Lower Upper
142 100
127 49.3 37.0 55.4
141 13.3 11.4 17.0



#11
Tert butyl alcohol
Concen: 14.441 ug/l
RT: 4.899 min Scan# 505
Delta R.T. -0.049 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

Tgt Ion: 59 Resp: 5289
Ion Ratio Lower Upper
59 100
57 5.2 7.4 11.2#

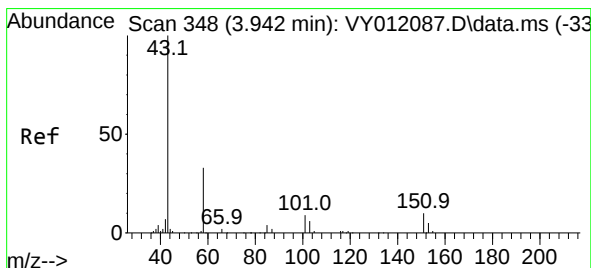
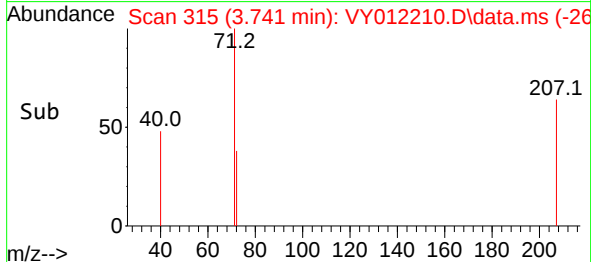
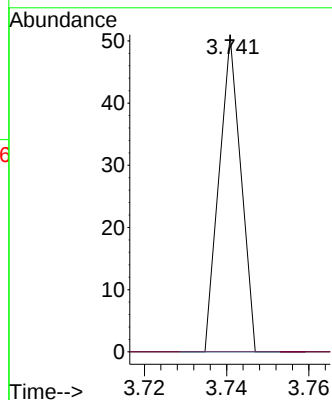
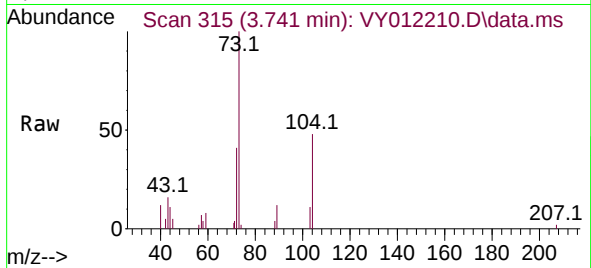




#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 313
Delta R.T. 0.012 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

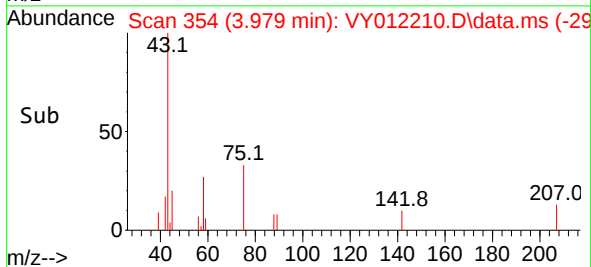
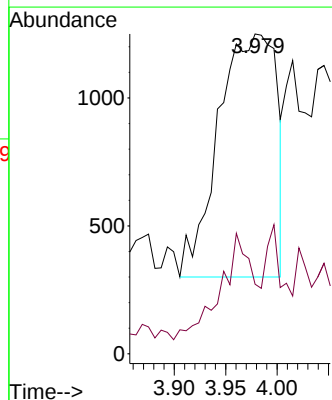
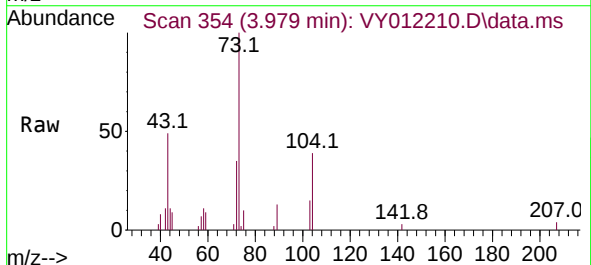
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC

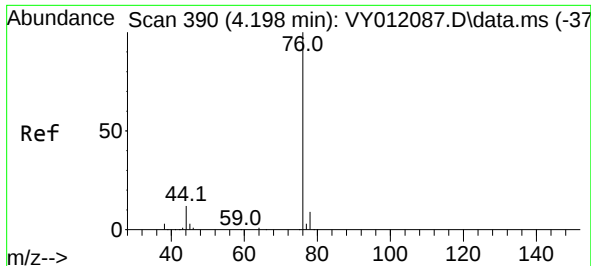
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 6.469 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.037 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

Tgt Ion: 43 Resp: 3719
Ion Ratio Lower Upper
43 100
58 18.7 27.9 41.9#

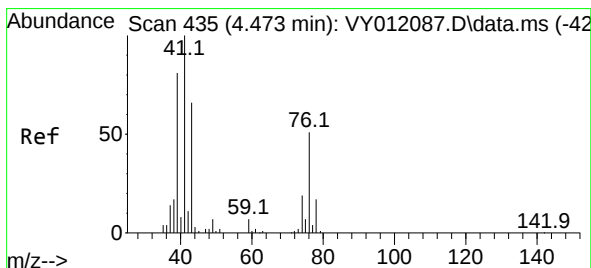
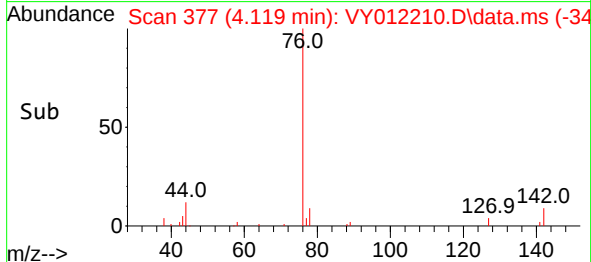
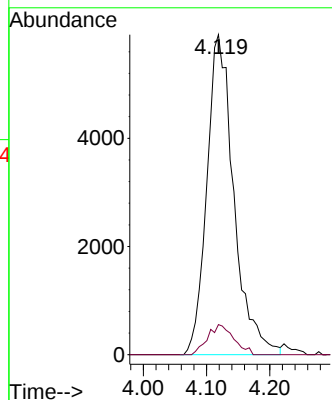
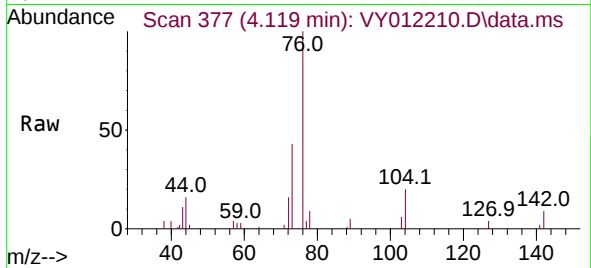




#17
Carbon Disulfide
Concen: 2.987 ug/l
RT: 4.119 min Scan# 31
Delta R.T. -0.079 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

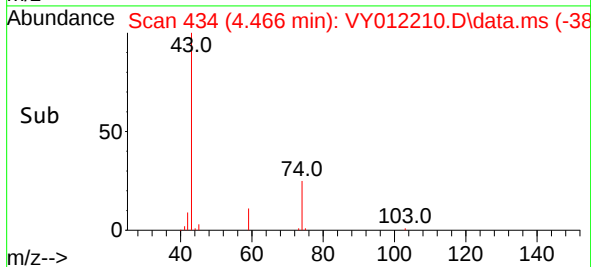
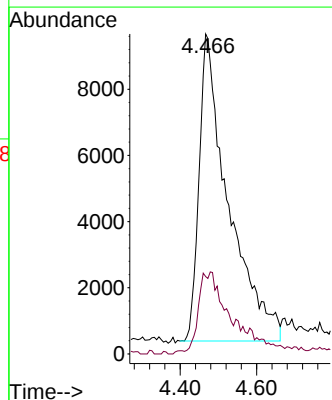
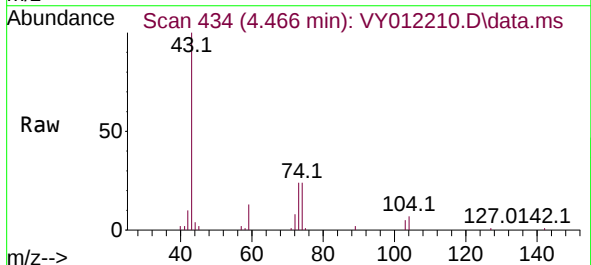
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC

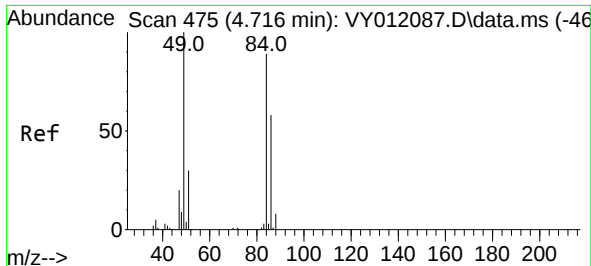
Tgt Ion: 76 Resp: 17522
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 38.323 ug/l
RT: 4.466 min Scan# 434
Delta R.T. -0.007 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

Tgt Ion: 43 Resp: 49302
Ion Ratio Lower Upper
43 100
74 21.2 20.1 30.1

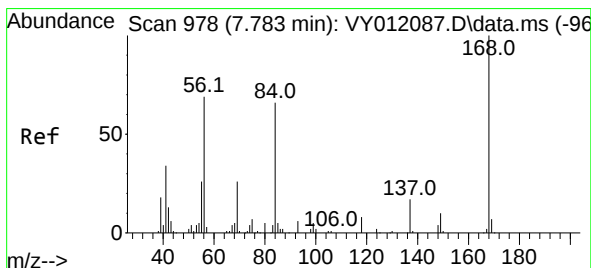
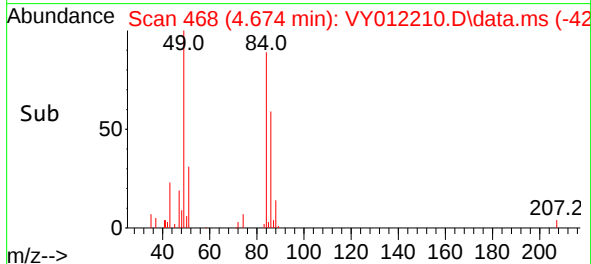
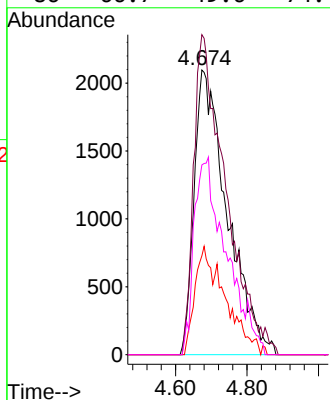
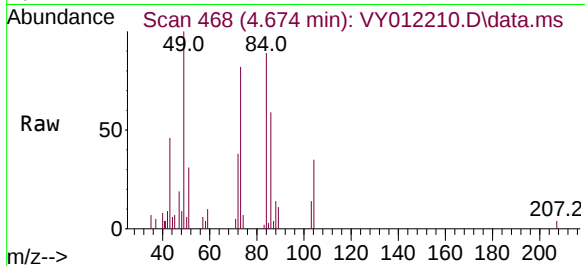




#20
Methylene Chloride
Concen: Below Cal
RT: 4.674 min Scan# 40
Delta R.T. -0.042 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

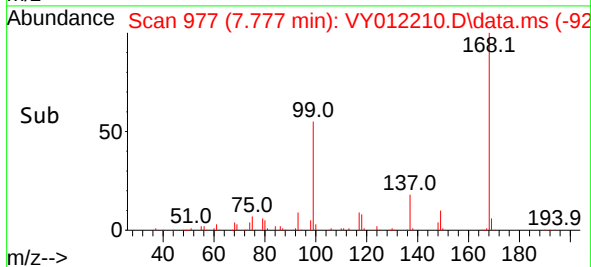
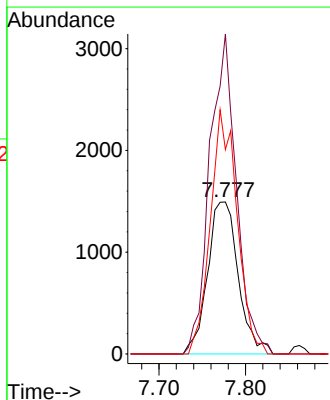
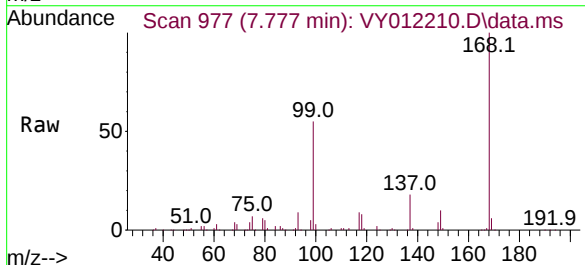
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC

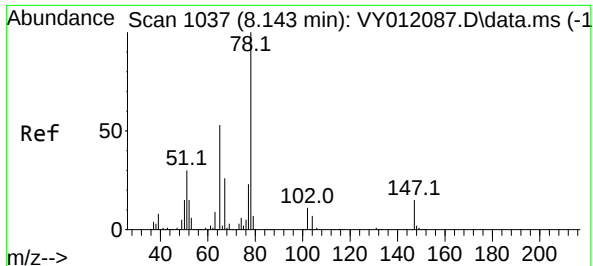
Tgt Ion:	84	Resp:	13494
Ion	Ratio	Lower	Upper
84	100		
49	112.4	95.4	143.2
51	34.7	29.9	44.9
86	66.7	49.6	74.4



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

Tgt Ion:	56	Resp:	3679
Ion	Ratio	Lower	Upper
56	100		
69	210.6	29.2	43.8#
84	134.4	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 46.372 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012210.D

Acq: 16 Jan 2023 19:29

Instrument :

MSVOA_Y

ClientSampleId :

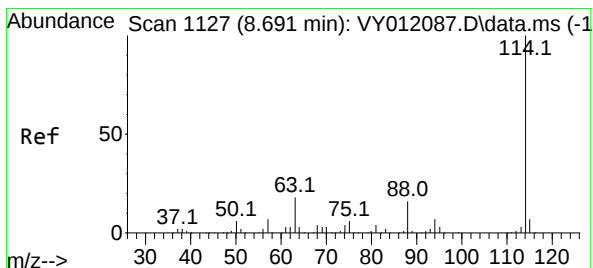
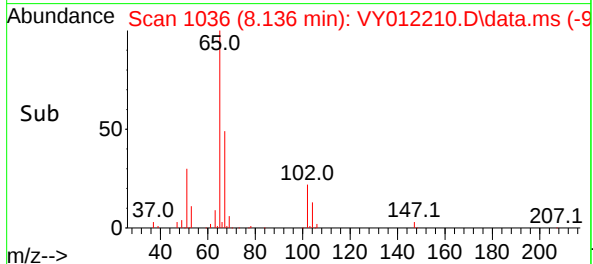
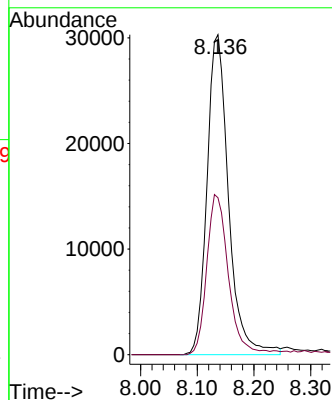
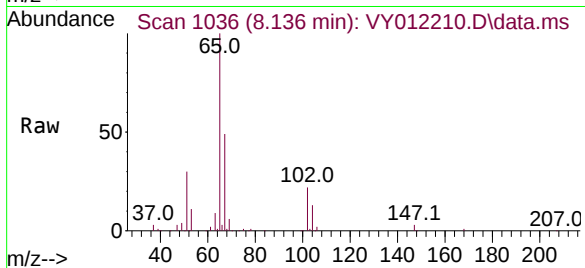
TOT-VOC

Tgt Ion: 65 Resp: 79849

Ion Ratio Lower Upper

65 100

67 50.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012210.D

Acq: 16 Jan 2023 19:29

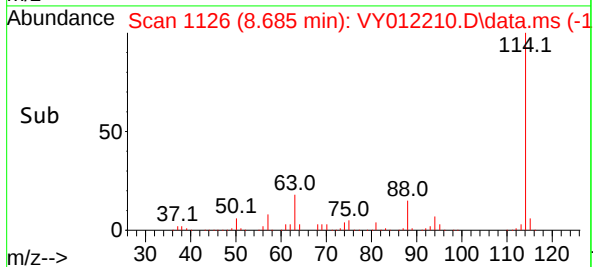
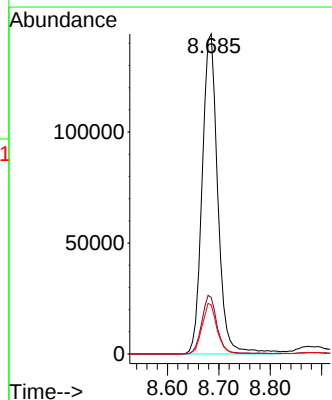
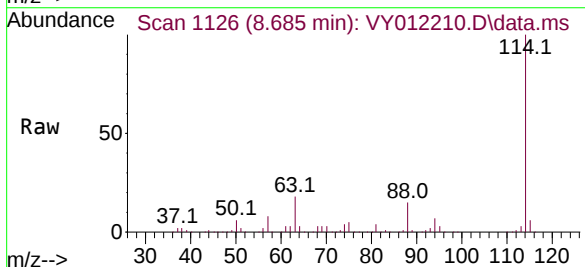
Tgt Ion:114 Resp: 304796

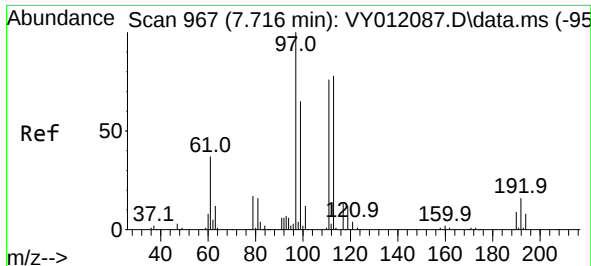
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 15.4 0.0 32.2

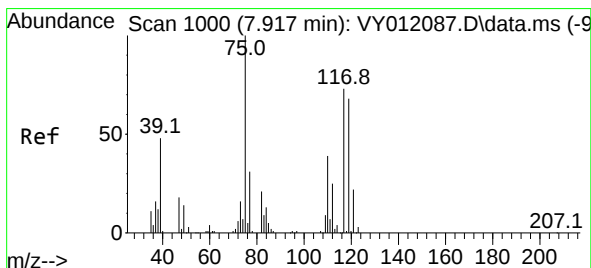
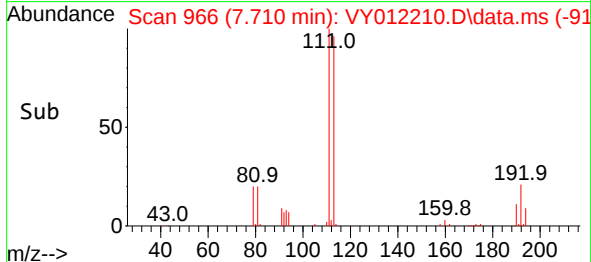
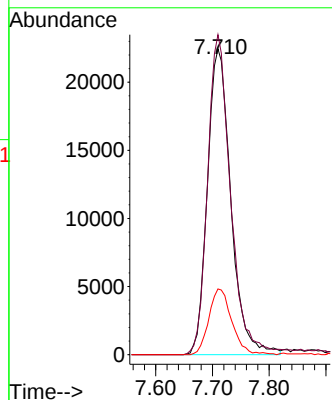
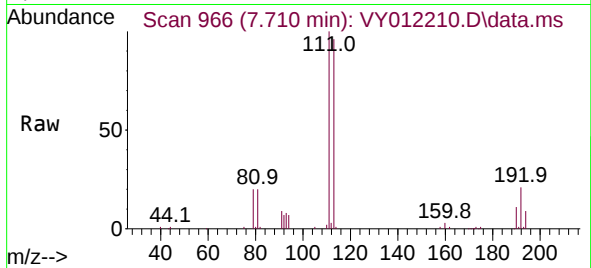




#35
Dibromofluoromethane
Concen: 39.996 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

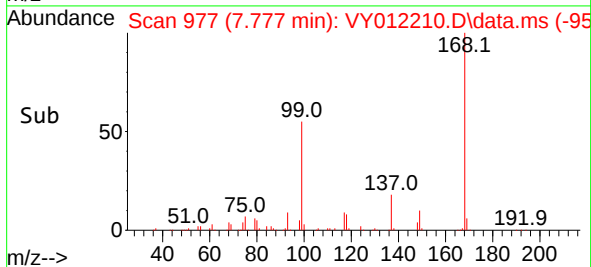
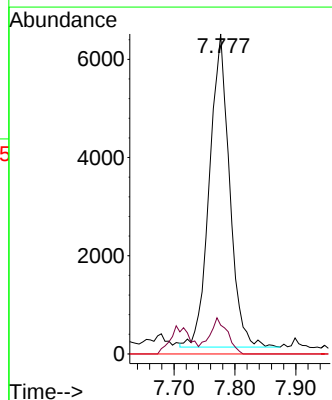
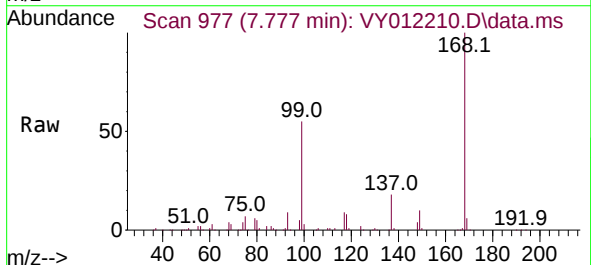
Instrument :
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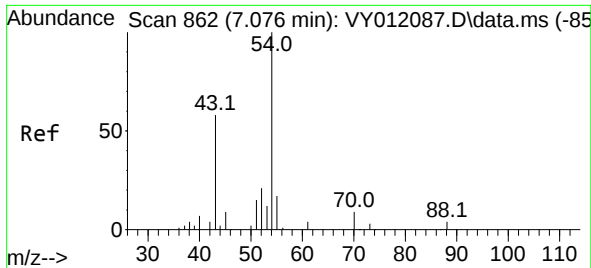
Tgt Ion:113 Resp: 64550
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.4
192 21.1 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.329 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY012210.D
Acq: 16 Jan 2023 19:29

Tgt Ion: 75 Resp: 14617
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.585 ug/l

RT: 7.021 min Scan# 81

Delta R.T. -0.055 min

Lab File: VY012210.D

Acq: 16 Jan 2023 19:29

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC

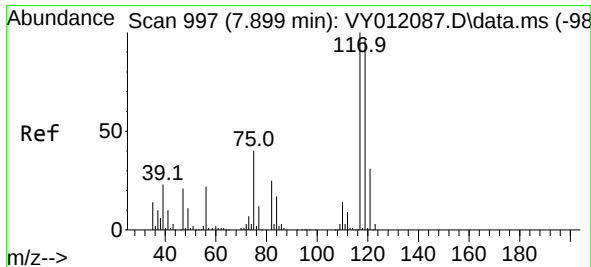
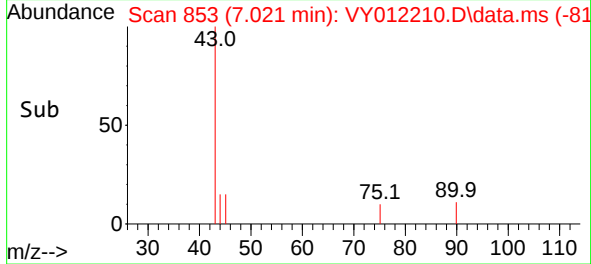
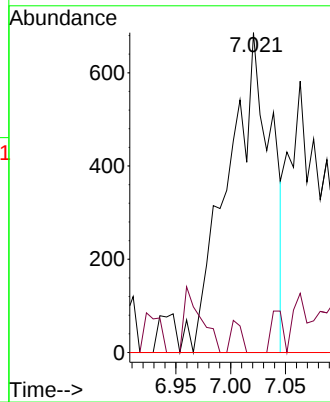
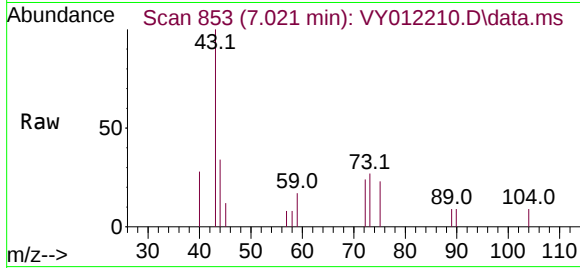
Tgt Ion: 43 Resp: 1916

Ion Ratio Lower Upper

43 100

61 3.4 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 5.760 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.122 min

Lab File: VY012210.D

Acq: 16 Jan 2023 19:29

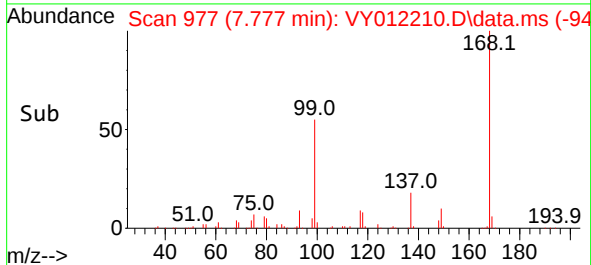
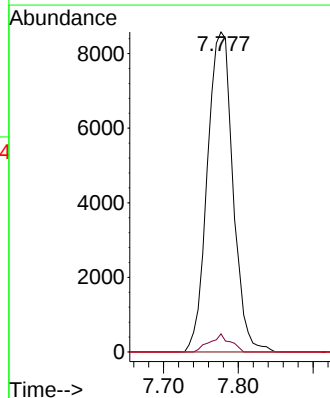
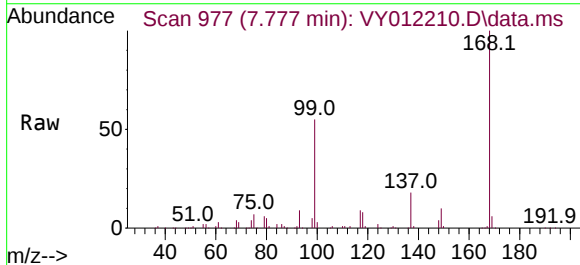
Tgt Ion: 117 Resp: 20405

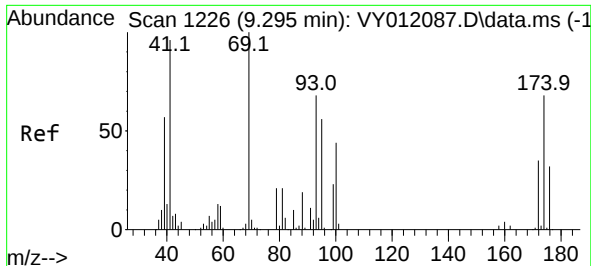
Ion Ratio Lower Upper

117 100

119 5.7 73.8 110.8#

121 0.0 25.2 37.8#





#49

1,4-Dioxane

Concen: 63.045 ug/l

RT: 9.337 min Scan# 1233

Delta R.T. 0.042 min

Lab File: VY012210.D

Acq: 16 Jan 2023 19:29

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC

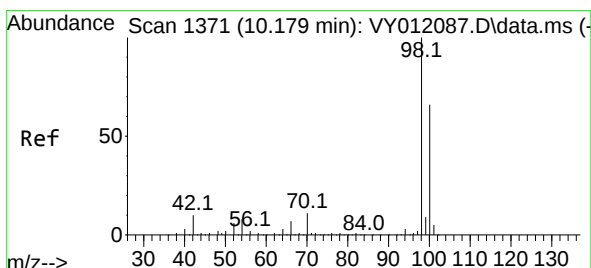
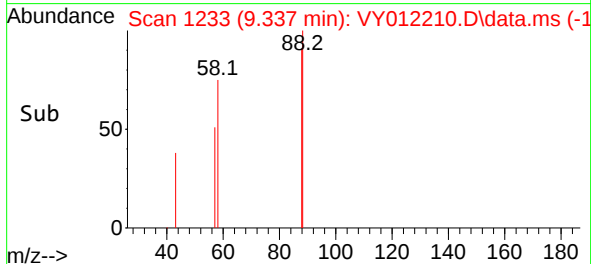
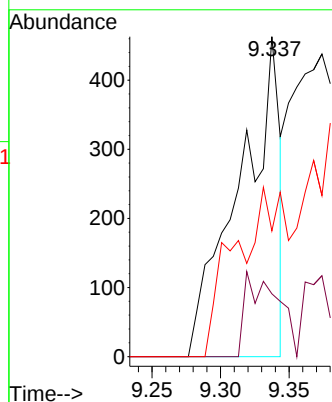
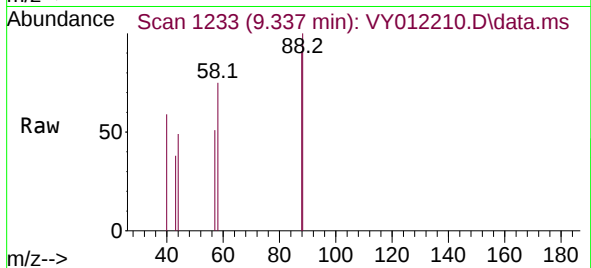
Tgt Ion: 88 Resp: 950

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

58 25.5 54.3 81.5#



#50

Toluene-d8

Concen: 62.623 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012210.D

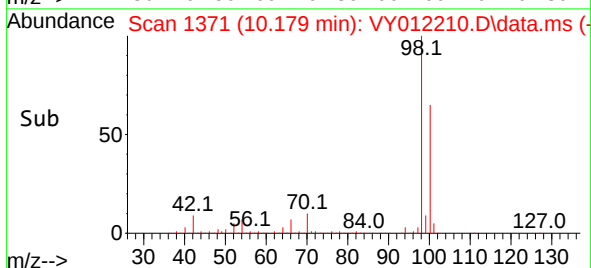
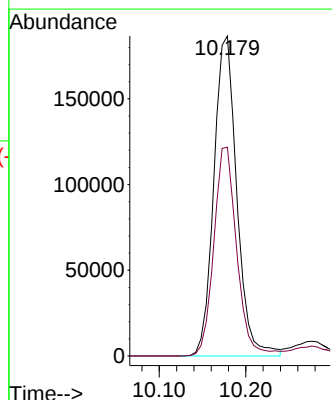
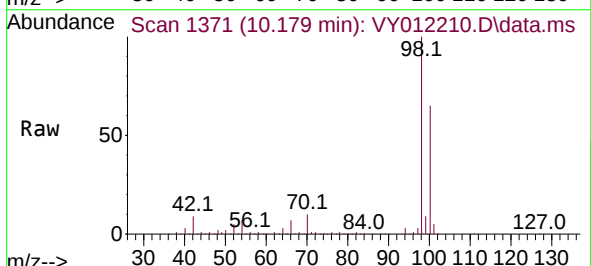
Acq: 16 Jan 2023 19:29

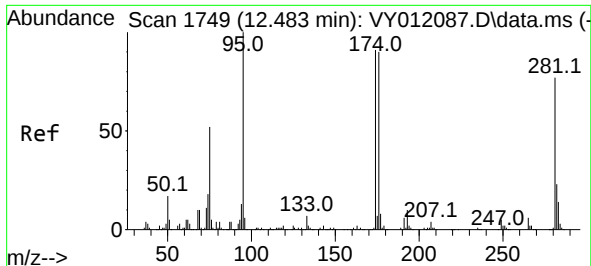
Tgt Ion: 98 Resp: 344064

Ion Ratio Lower Upper

98 100

100 65.1 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 45.038 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012210.D

Acq: 16 Jan 2023 19:29

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC

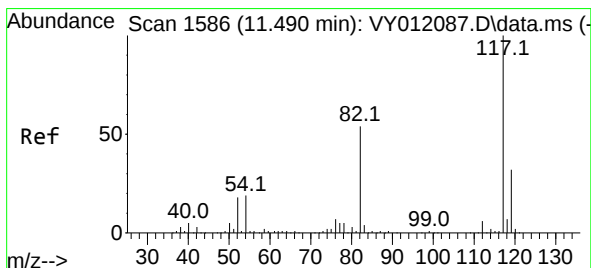
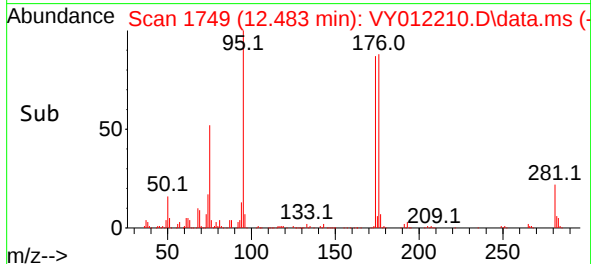
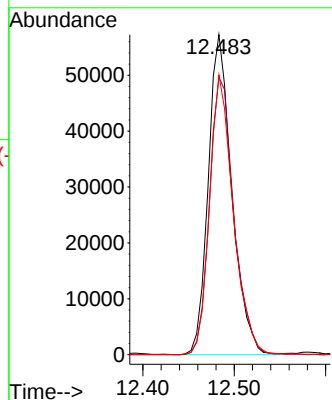
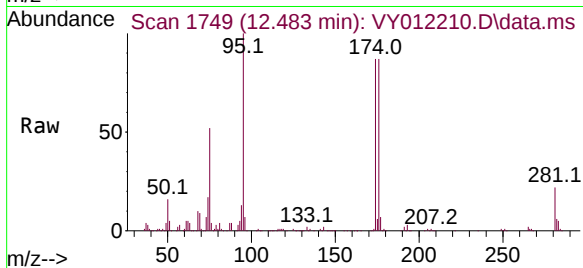
Tgt Ion: 95 Resp: 102465

Ion Ratio Lower Upper

95 100

174 90.1 0.0 172.0

176 87.5 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY012210.D

Acq: 16 Jan 2023 19:29

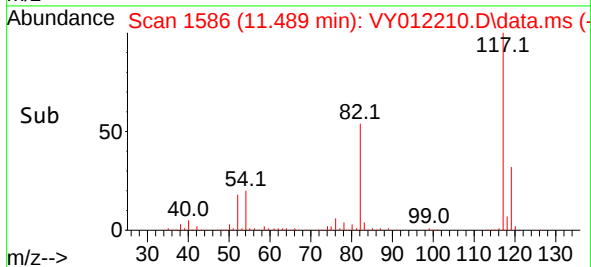
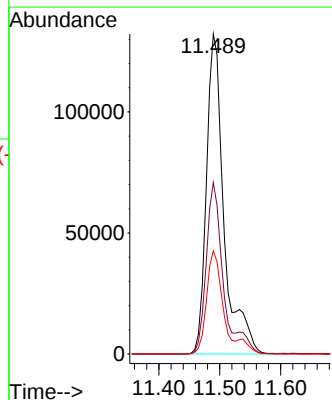
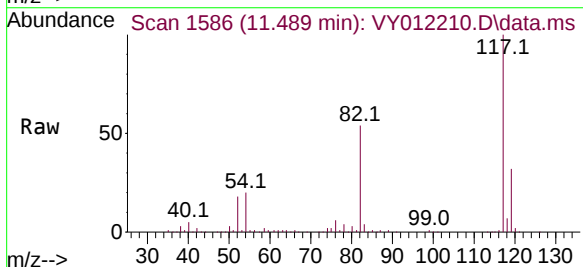
Tgt Ion: 117 Resp: 264673

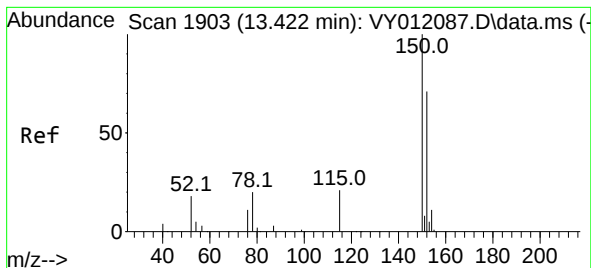
Ion Ratio Lower Upper

117 100

82 53.6 44.8 67.2

119 32.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012210.D

Acq: 16 Jan 2023 19:29

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC

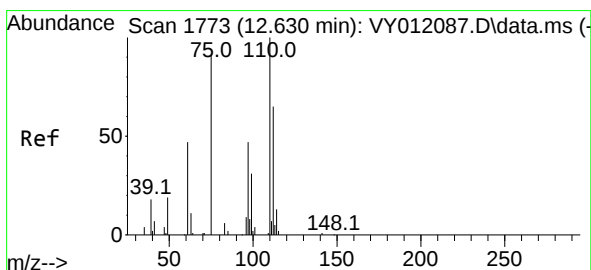
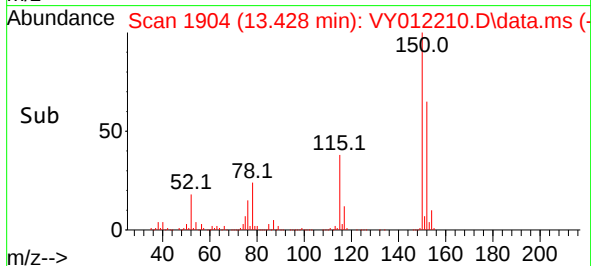
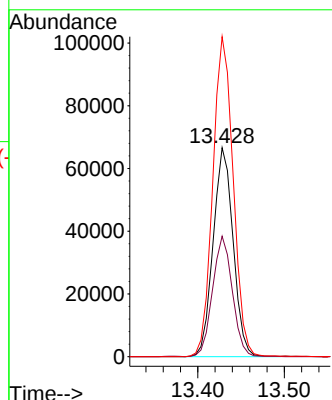
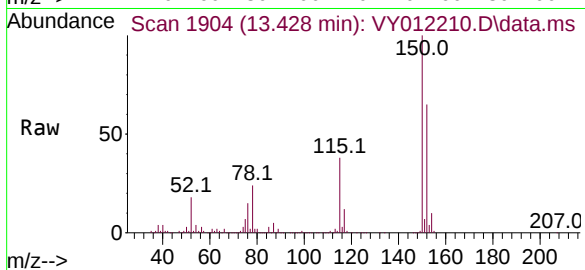
Tgt Ion:152 Resp: 106798

Ion Ratio Lower Upper

152 100

115 57.0 29.1 87.3

150 156.3 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 55.554 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012210.D

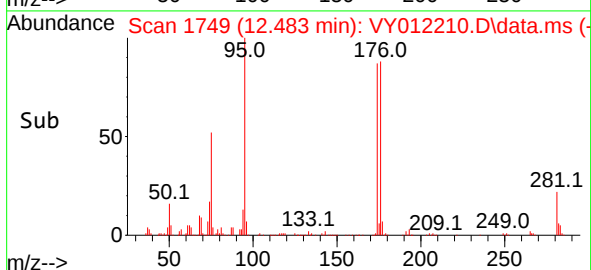
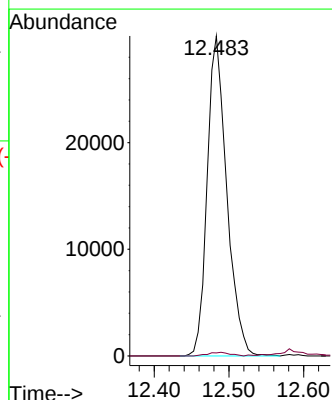
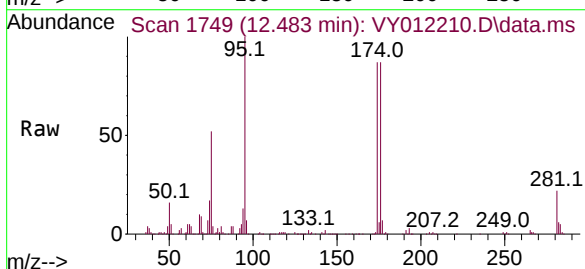
Acq: 16 Jan 2023 19:29

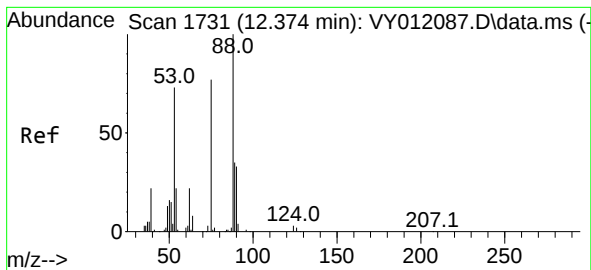
Tgt Ion: 75 Resp: 54557

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.467 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012210.D
 Acq: 16 Jan 2023 19:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC

Tgt Ion: 75 Resp: 54557
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.2 37.0 55.4#

