

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030323\
 Data File : VY012789.D
 Acq On : 03 Mar 2023 12:16
 Operator : KP/MD
 Sample : 01739-18RE
 Misc : 6.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-5-GRAB-7RE

Quant Time: Mar 03 14:36:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

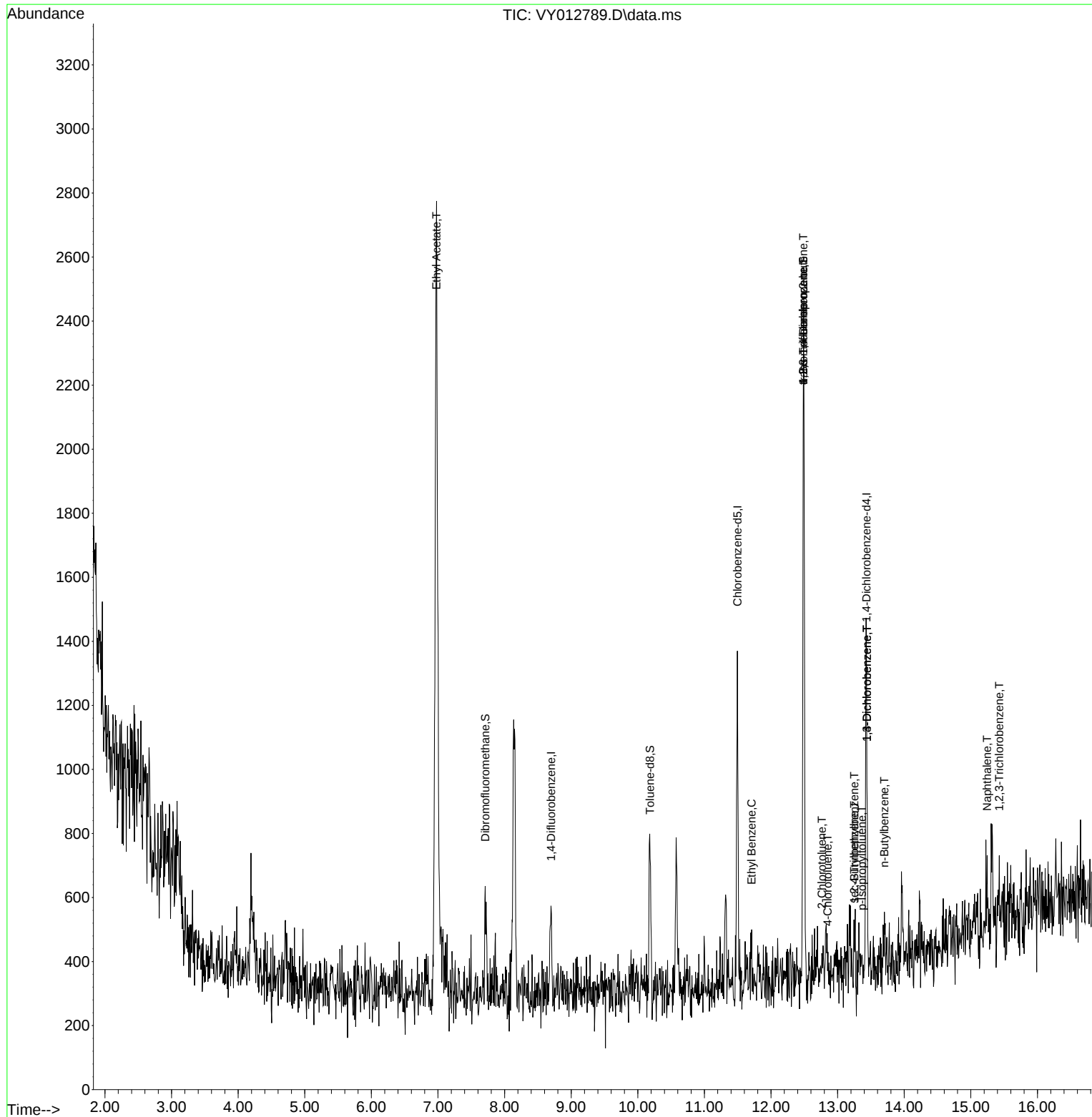
Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.79
34) 1,4-Difluorobenzene	8.697	114	424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	1019	0.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	7.710	113	219	85.586	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	171.180%#
50) Toluene-d8	10.185	98	430	45.967	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.940%
62) 4-Bromofluorobenzene	12.483	95	302	95.648	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	191.300%#
Target Compounds						
					Qvalue	
37) Ethyl Acetate	6.978	43	94	34.780	ug/l #	76
67) Ethyl Benzene	11.709	91	51	2.285	ug/l #	43
76) 1,2,3-Trichloropropane	12.483	75	157	32.224	ug/l #	100
79) 2-Chlorotoluene	12.764	91	20	1.009	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	157	66.769	ug/l #	13
82) 4-Chlorotoluene	12.849	91	29	1.414	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.251	105	121	5.186	ug/l #	30
85) sec-Butylbenzene	13.251	105	121	3.851	ug/l #	56
86) p-Isopropyltoluene	13.367	119	76	2.959	ug/l #	50
87) 1,3-Dichlorobenzene	13.440	146	67	4.945	ug/l #	25
88) 1,4-Dichlorobenzene	13.440	146	67	4.846	ug/l #	26
89) n-Butylbenzene	13.703	91	97	3.946	ug/l #	33
95) Naphthalene	15.245	128	181	11.979	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.428	180	20	2.982	ug/l #	1

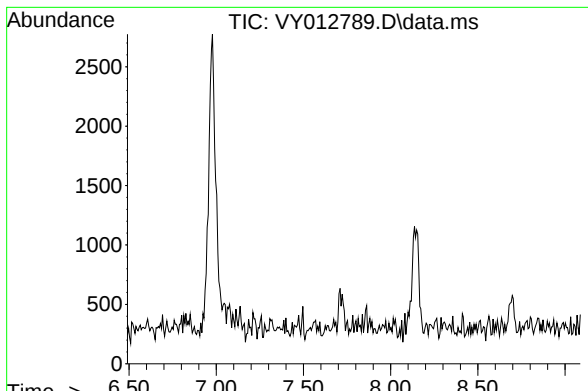
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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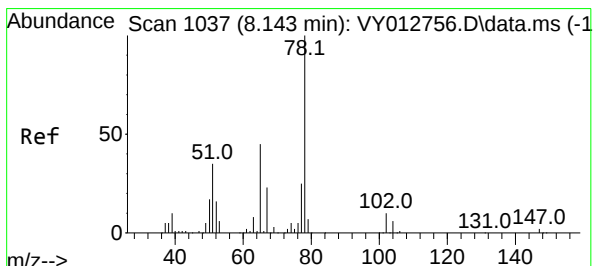
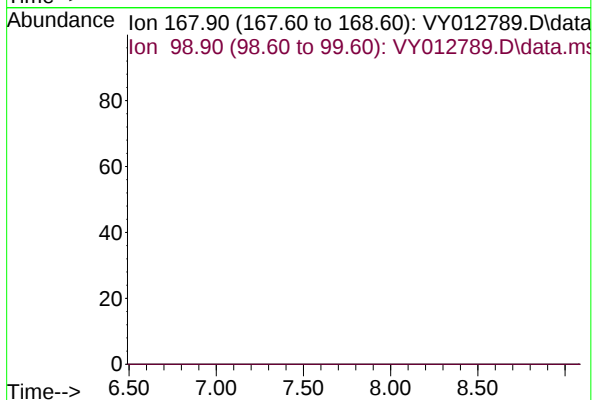




#1
 Pentafluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 7.79 min
 Lab File: VY012789.D
 Acq: 03 Mar 2023 12:16

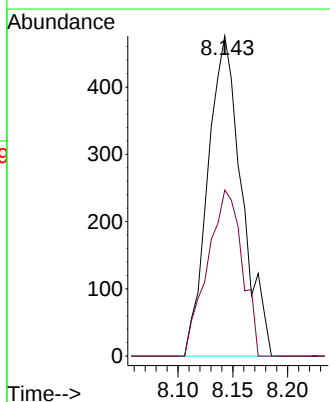
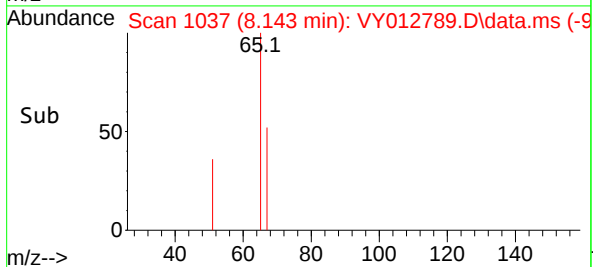
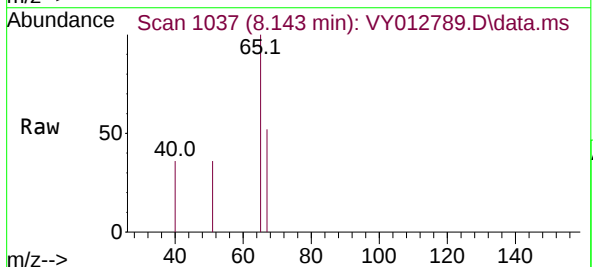
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-5-GRAB-7RE

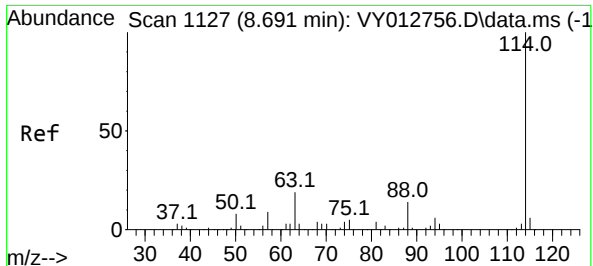
Tgt Ion: 168
 Sig Exp Ratio
 168 100
 99 52.1



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012789.D
 Acq: 03 Mar 2023 12:16

Tgt Ion: 65 Resp: 1019
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

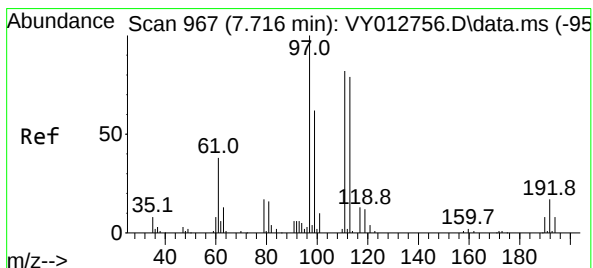
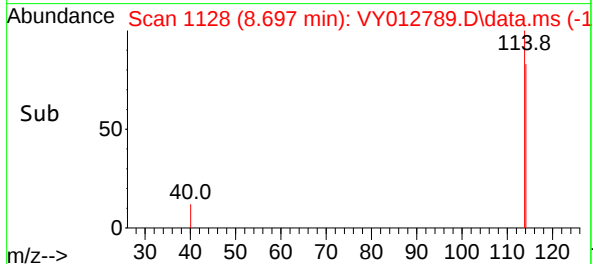
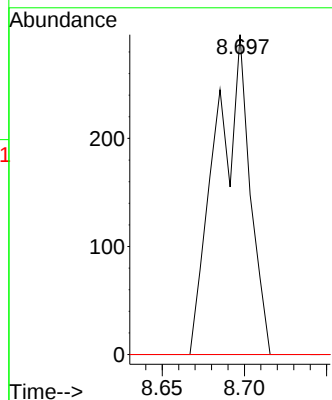
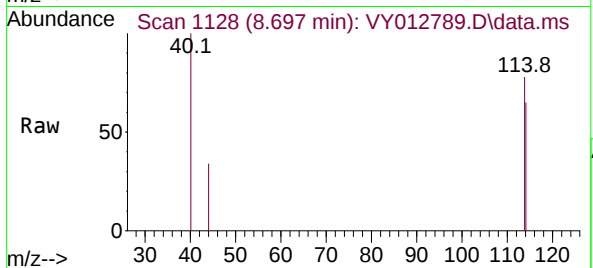
Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-5-GRAB-7RE

Tgt Ion:114	Resp:	424
Ion Ratio	Lower	Upper
114	100	
63	0.0	37.4
88	0.0	28.6



#35

Dibromofluoromethane

Concen: 85.586 ug/l

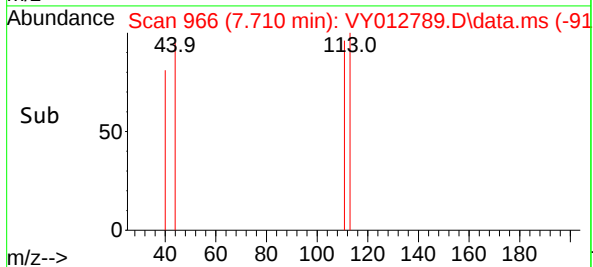
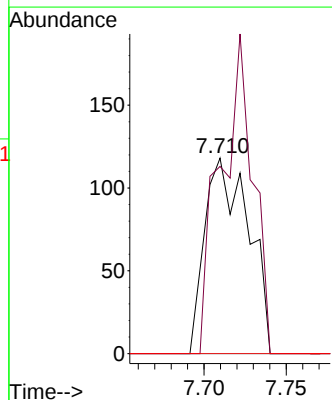
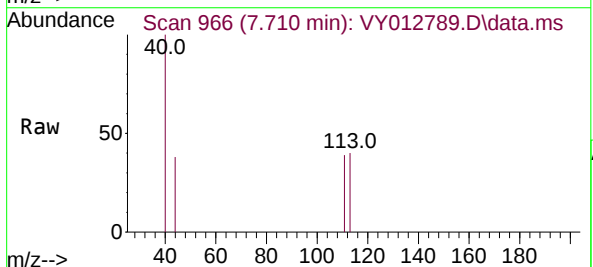
RT: 7.710 min Scan# 966

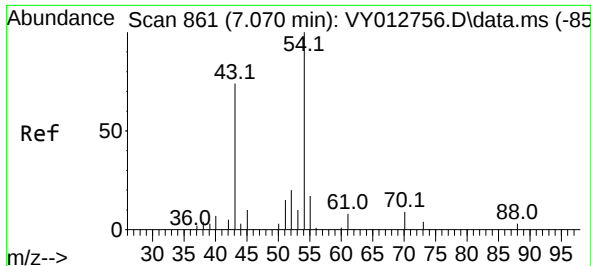
Delta R.T. -0.006 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

Tgt Ion:113	Resp:	219
Ion Ratio	Lower	Upper
113	100	
111	120.5	123.2
192	0.0	25.2





#37

Ethyl Acetate

Concen: 34.780 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-5-GRAB-7RE

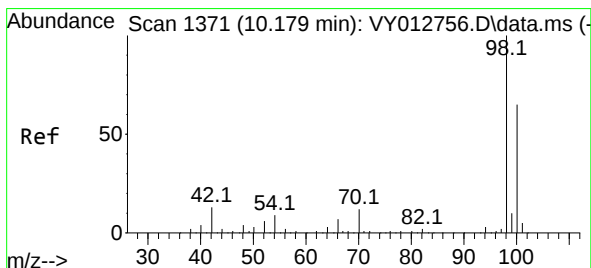
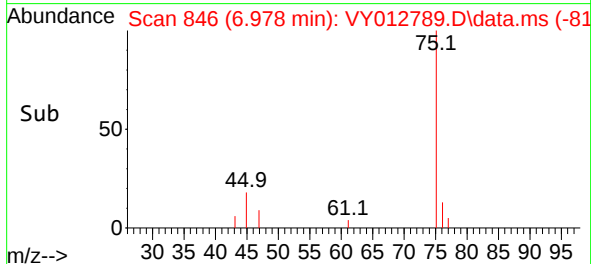
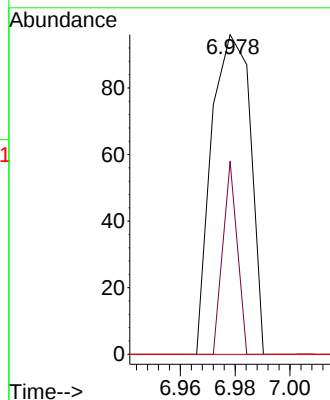
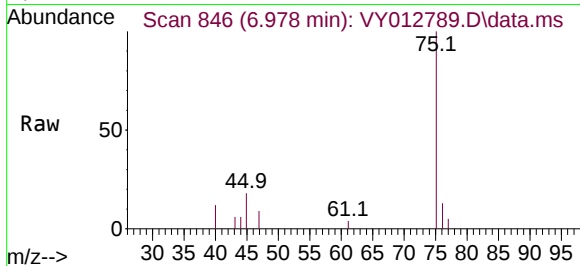
Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

61 22.3 10.7 16.1#

70 0.0 7.8 11.8#



#50

Toluene-d8

Concen: 45.967 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY012789.D

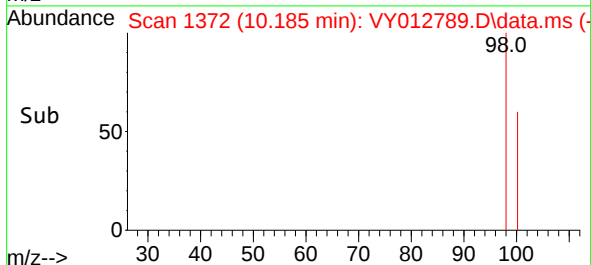
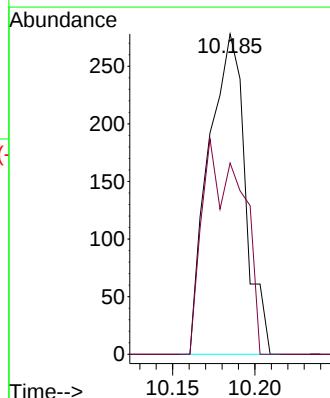
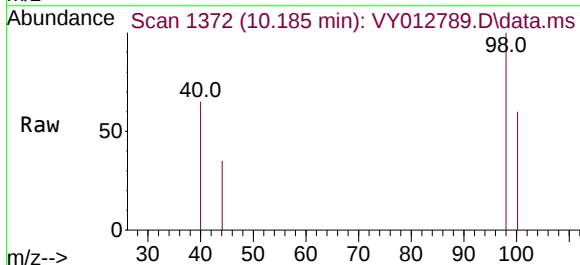
Acq: 03 Mar 2023 12:16

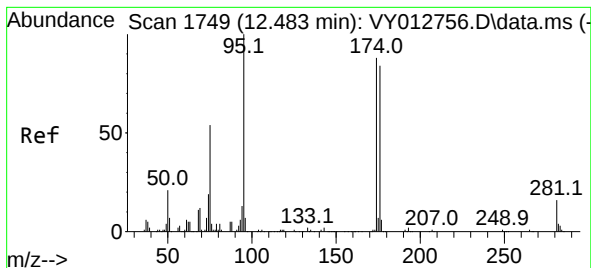
Tgt Ion: 98 Resp: 430

Ion Ratio Lower Upper

98 100

100 73.0 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 95.648 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-5-GRAB-7RE

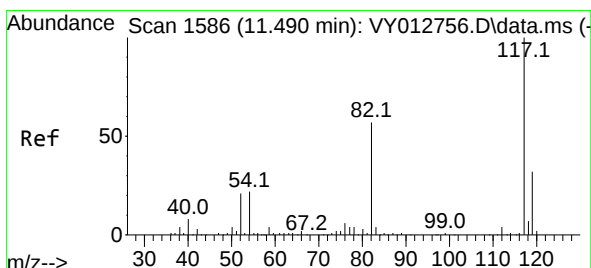
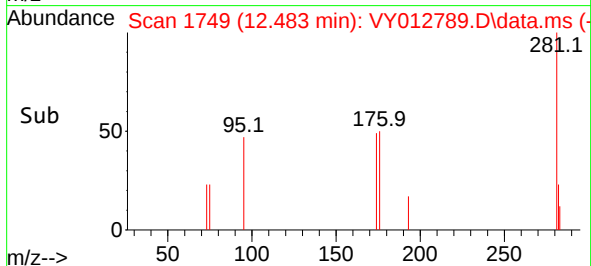
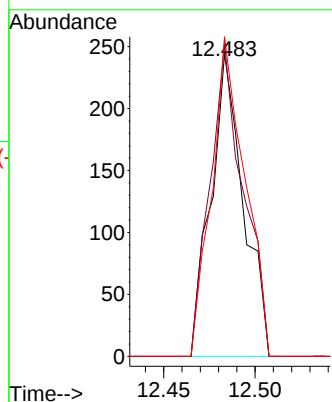
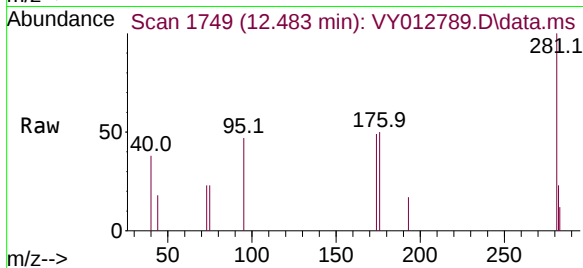
Tgt Ion: 95 Resp: 302

Ion Ratio Lower Upper

95 100

174 106.6 0.0 176.6

176 108.3 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1587

Delta R.T. 0.006 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

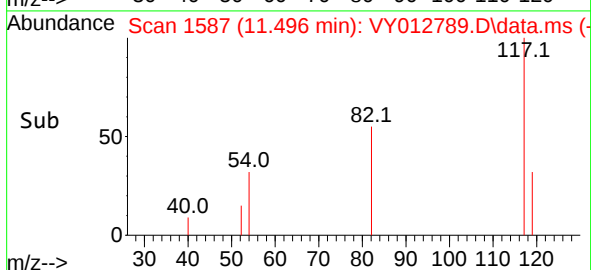
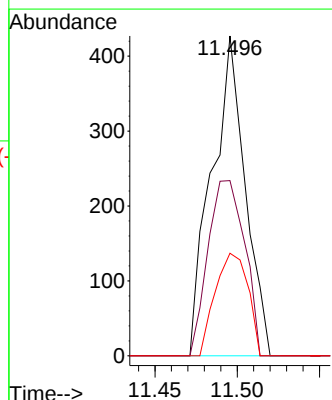
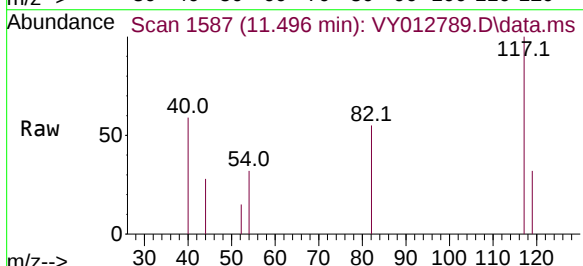
Tgt Ion: 117 Resp: 605

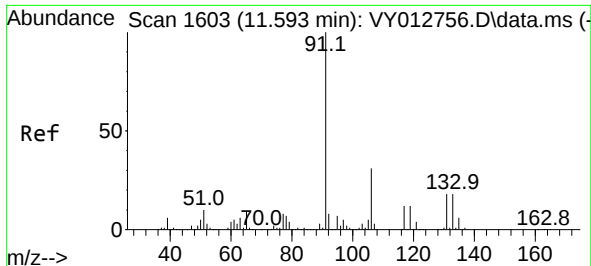
Ion Ratio Lower Upper

117 100

82 54.8 45.4 68.0

119 32.1 25.6 38.4





#67

Ethyl Benzene

Concen: 2.285 ug/l

RT: 11.709 min Scan# 1

Delta R.T. 0.116 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

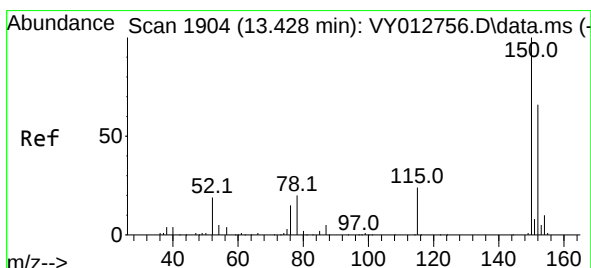
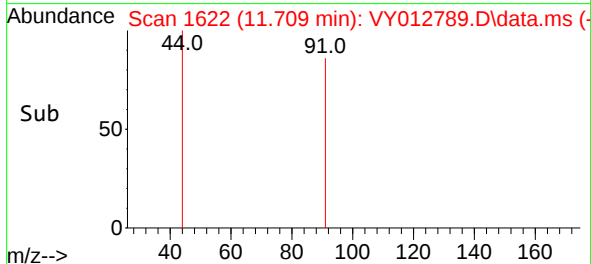
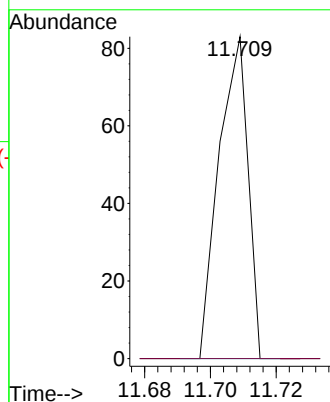
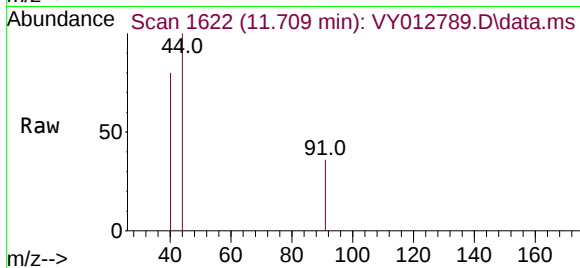
TOTAL-VOC-5-GRAB-7RE

Tgt Ion: 91 Resp: 51

Ion Ratio Lower Upper

91 100

106 0.0 25.1 37.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

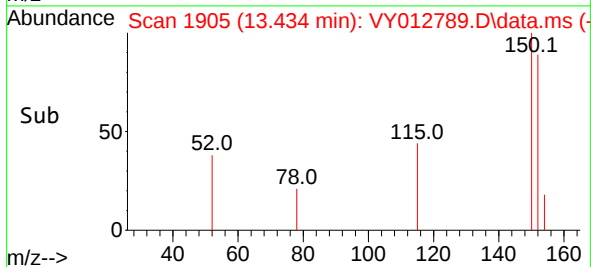
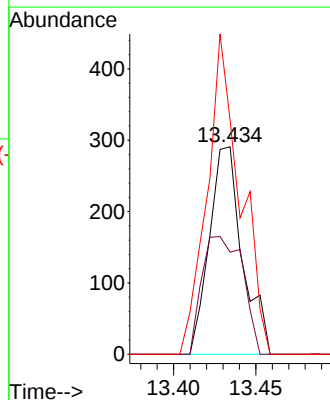
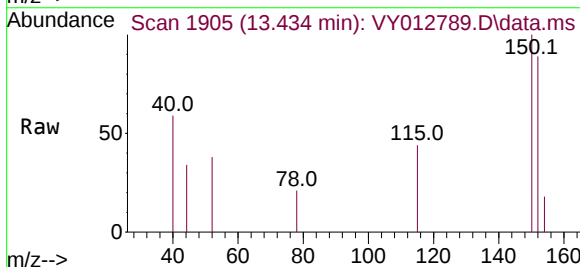
Tgt Ion:152 Resp: 408

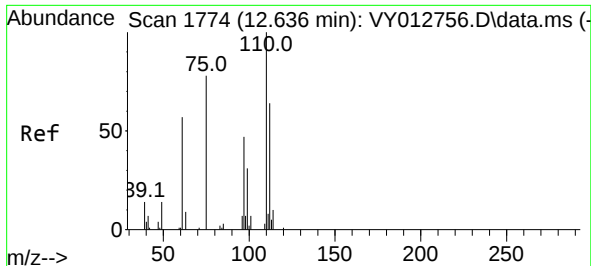
Ion Ratio Lower Upper

152 100

115 69.6 27.1 81.3

150 154.4 0.0 347.8

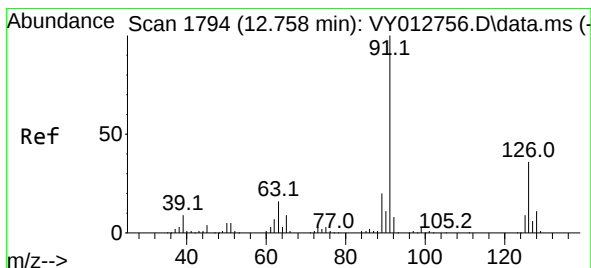
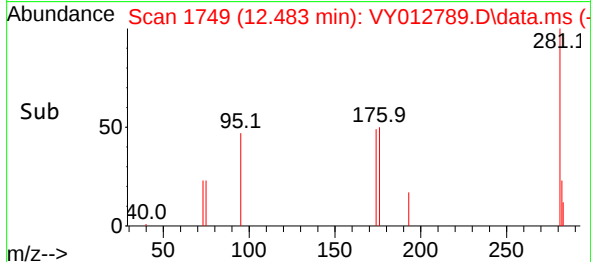
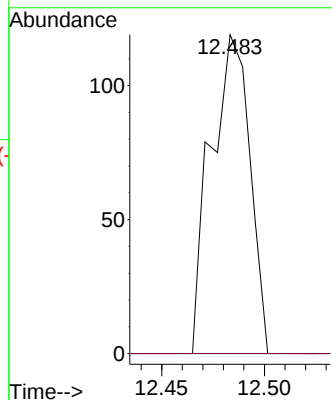
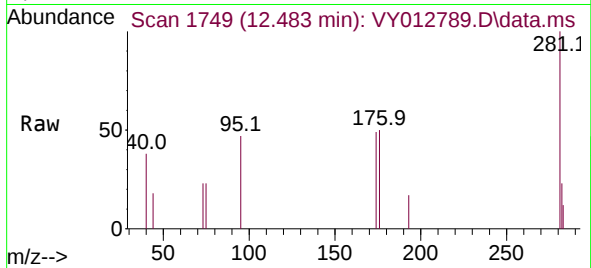




#76
1,2,3-Trichloropropane
Concen: 32.224 ug/l
RT: 12.483 min Scan# 1774
Delta R.T. -0.152 min
Lab File: VY012789.D
Acq: 03 Mar 2023 12:16

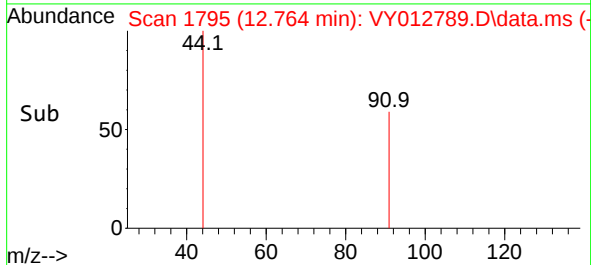
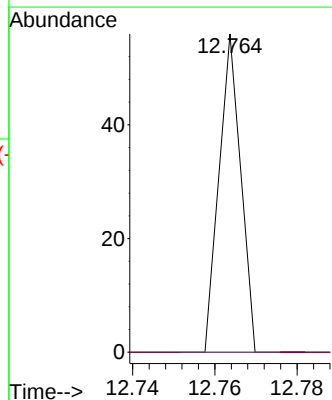
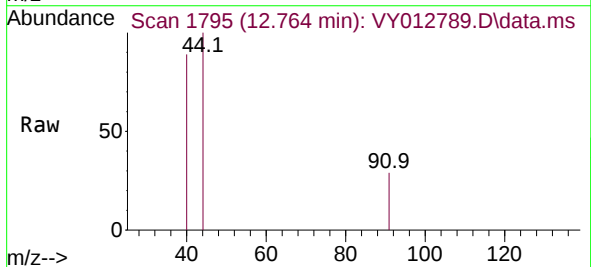
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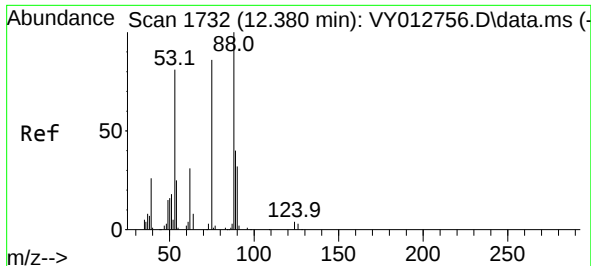
Tgt Ion: 75 Resp: 157
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.009 ug/l
RT: 12.764 min Scan# 1795
Delta R.T. 0.006 min
Lab File: VY012789.D
Acq: 03 Mar 2023 12:16

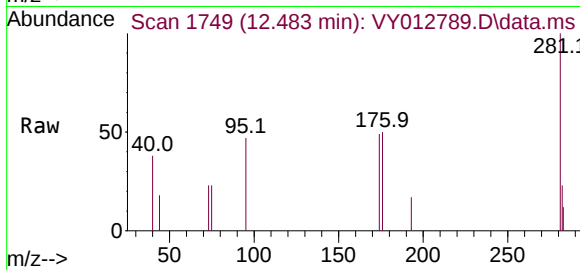
Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.2#



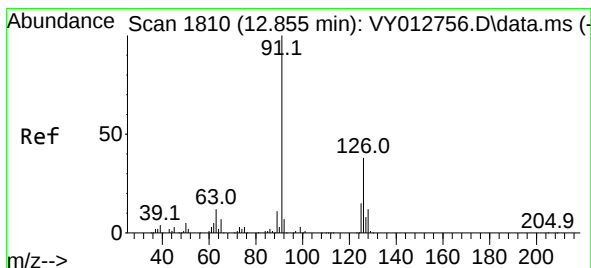
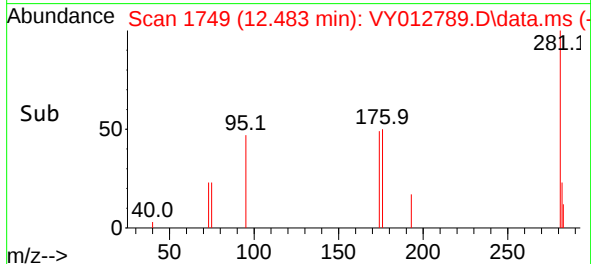
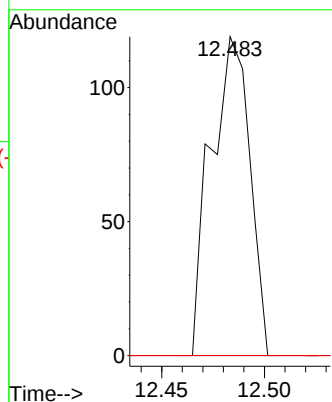


#81
trans-1,4-Dichloro-2-butene
Concen: 66.769 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY012789.D
Acq: 03 Mar 2023 12:16

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-5-GRAB-7RE

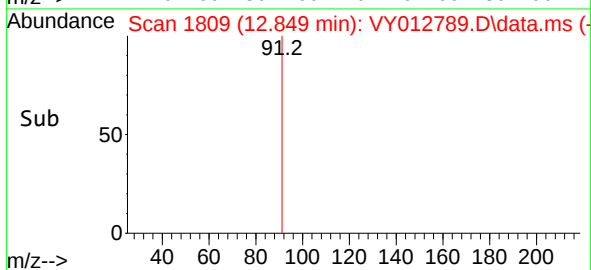
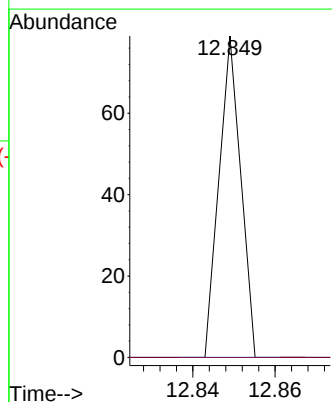
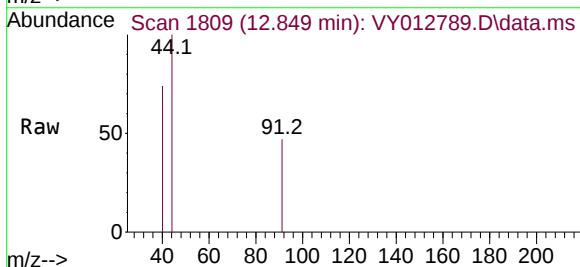


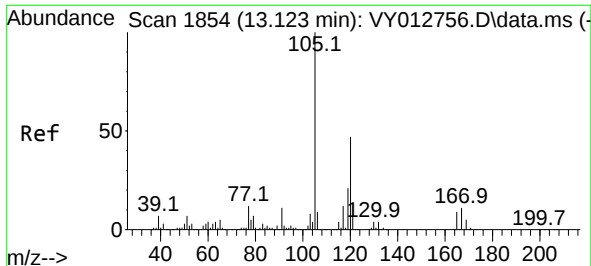
Tgt Ion: 75 Resp: 157
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



#82
4-Chlorotoluene
Concen: 1.414 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY012789.D
Acq: 03 Mar 2023 12:16

Tgt Ion: 91 Resp: 29
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#

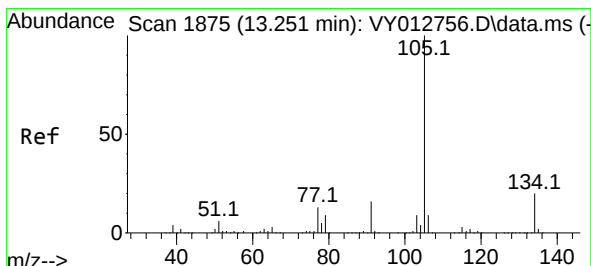
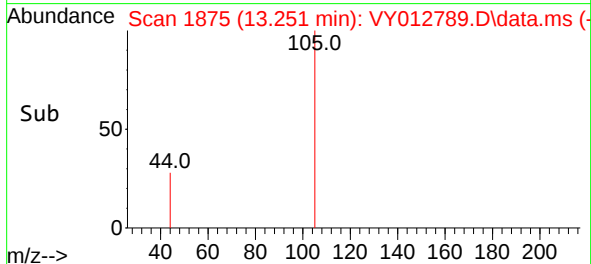
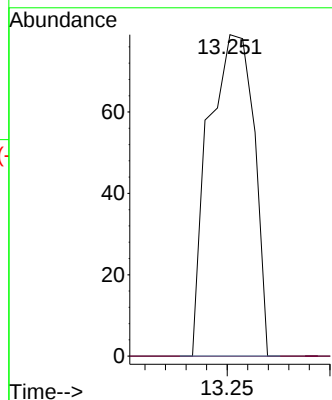
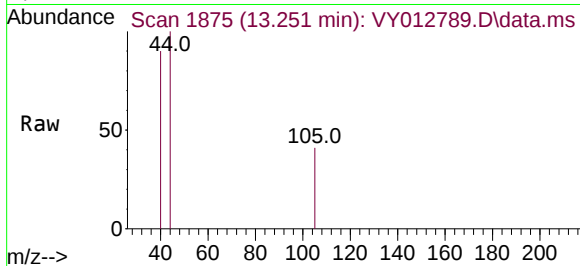




#84
1,2,4-Trimethylbenzene
Concen: 5.186 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.128 min
Lab File: VY012789.D
Acq: 03 Mar 2023 12:16

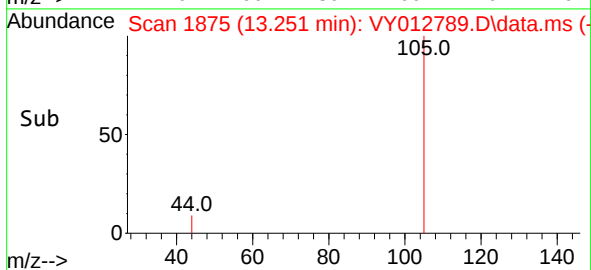
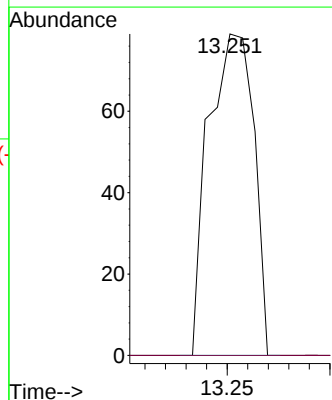
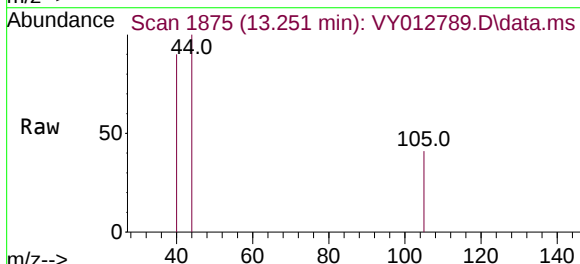
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-5-GRAB-7RE

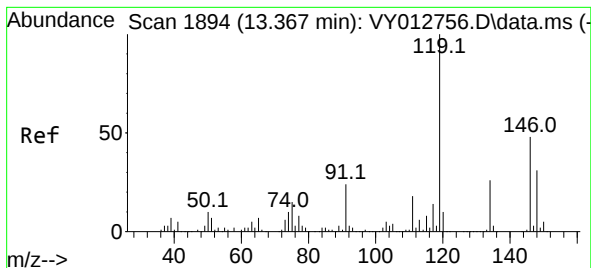
Tgt Ion:105 Resp: 121
Ion Ratio Lower Upper
105 100
120 0.0 23.0 69.0#



#85
sec-Butylbenzene
Concen: 3.851 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VY012789.D
Acq: 03 Mar 2023 12:16

Tgt Ion:105 Resp: 121
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86

p-Isopropyltoluene

Concen: 2.959 ug/l

RT: 13.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-5-GRAB-7RE

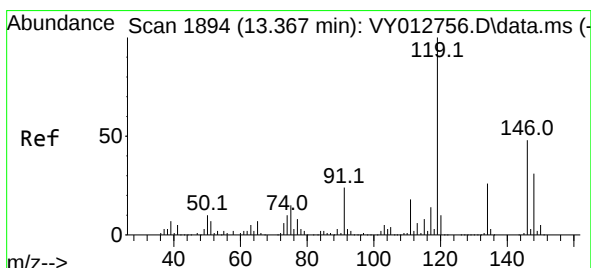
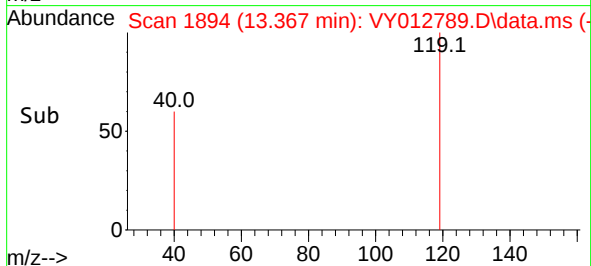
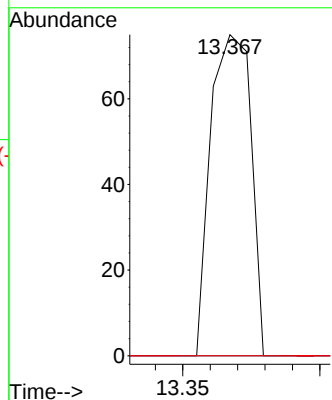
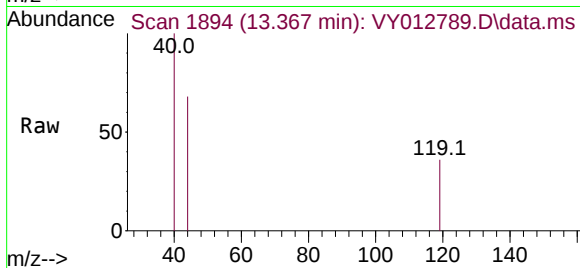
Tgt Ion:119 Resp: 76

Ion Ratio Lower Upper

119 100

134 0.0 13.2 39.6#

91 0.0 11.8 35.3#



#87

1,3-Dichlorobenzene

Concen: 4.945 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.073 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

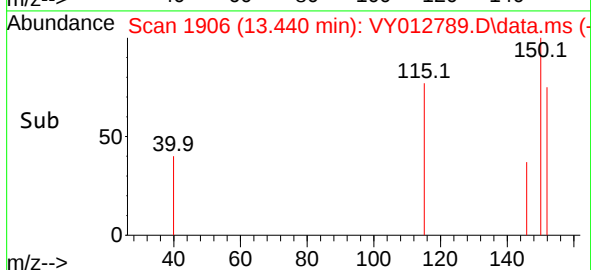
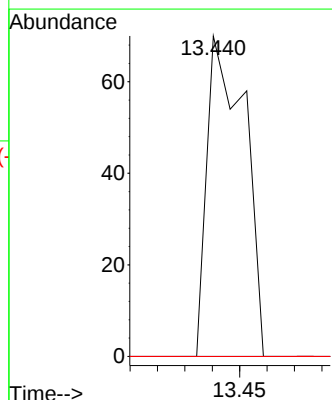
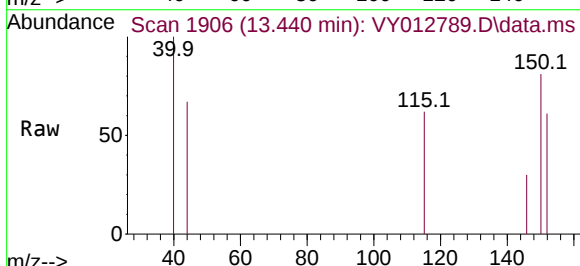
Tgt Ion:146 Resp: 67

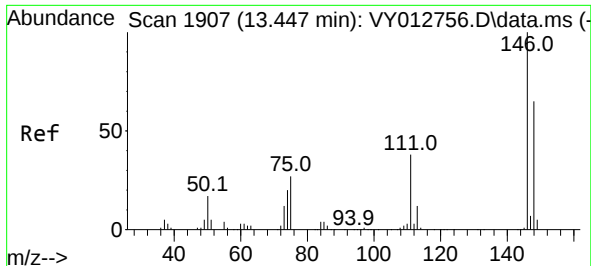
Ion Ratio Lower Upper

146 100

111 0.0 19.1 57.5#

148 0.0 31.8 95.3#

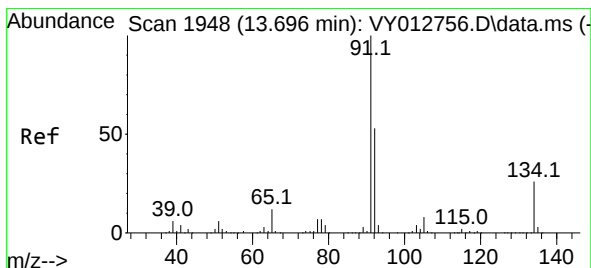
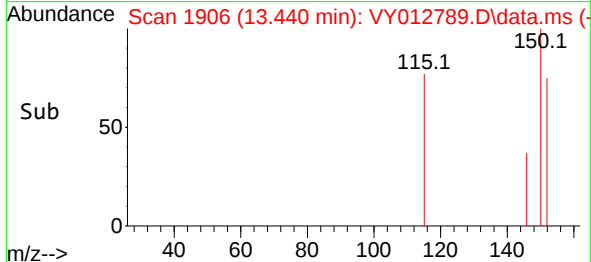
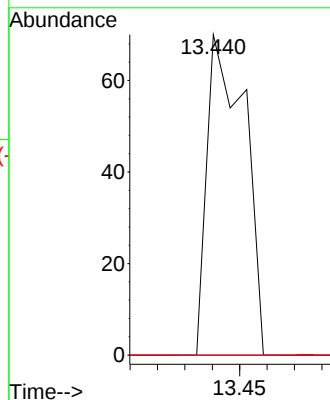
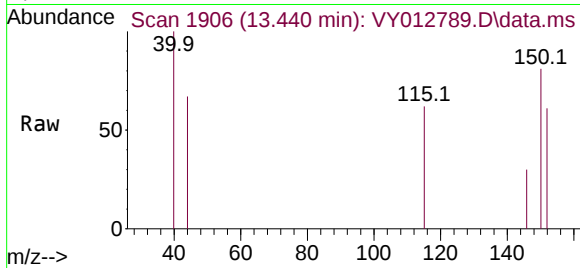




#88
1,4-Dichlorobenzene
Concen: 4.846 ug/l
RT: 13.440 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY012789.D
Acq: 03 Mar 2023 12:16

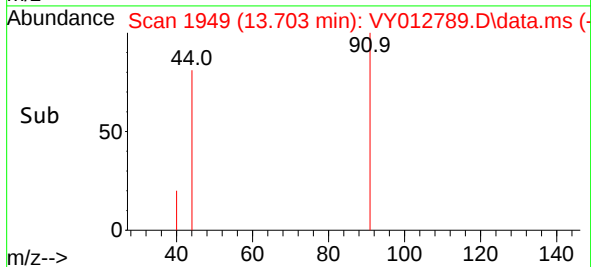
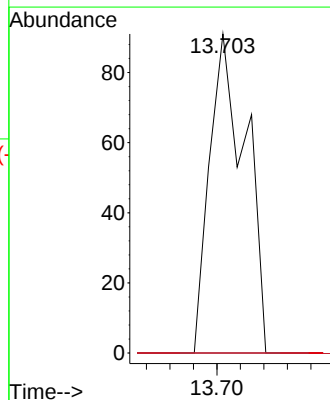
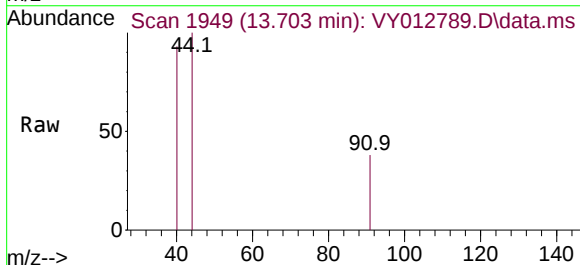
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-5-GRAB-7RE

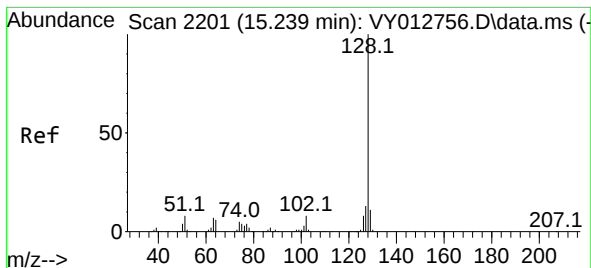
Tgt Ion:146 Resp: 67
Ion Ratio Lower Upper
146 100
111 0.0 18.6 55.8#
148 0.0 31.5 94.5#



#89
n-Butylbenzene
Concen: 3.946 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY012789.D
Acq: 03 Mar 2023 12:16

Tgt Ion: 91 Resp: 97
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.0#
134 0.0 13.0 38.9#





#95

Naphthalene

Concen: 11.979 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

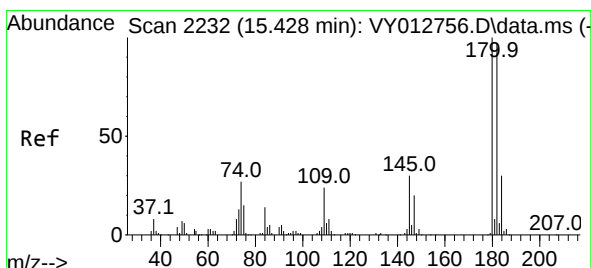
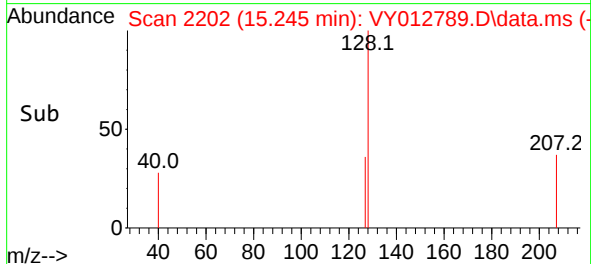
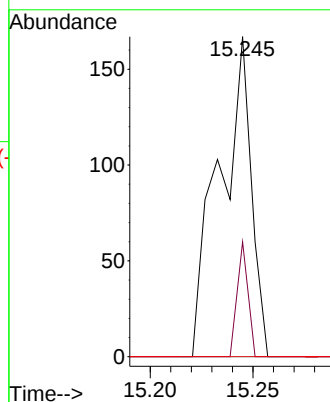
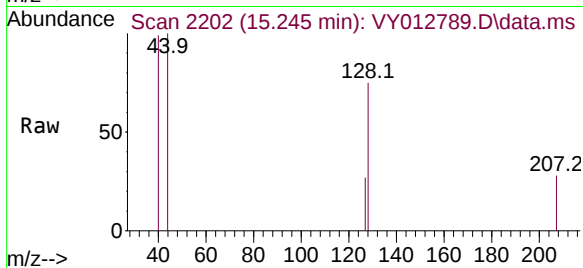
Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-5-GRAB-7RE

Tgt Ion:	128	Resp:	181
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	0.0	8.6	13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.982 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY012789.D

Acq: 03 Mar 2023 12:16

Tgt Ion:	180	Resp:	20
Ion	Ratio	Lower	Upper
180	100		
182	205.0	47.4	142.3
145	0.0	15.3	45.8

