

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
 Data File : VY020147.D
 Acq On : 04 Nov 2024 16:57
 Operator : SY/MD
 Sample : P4695-03
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Z-01-VOC

Quant Time: Nov 05 00:34:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

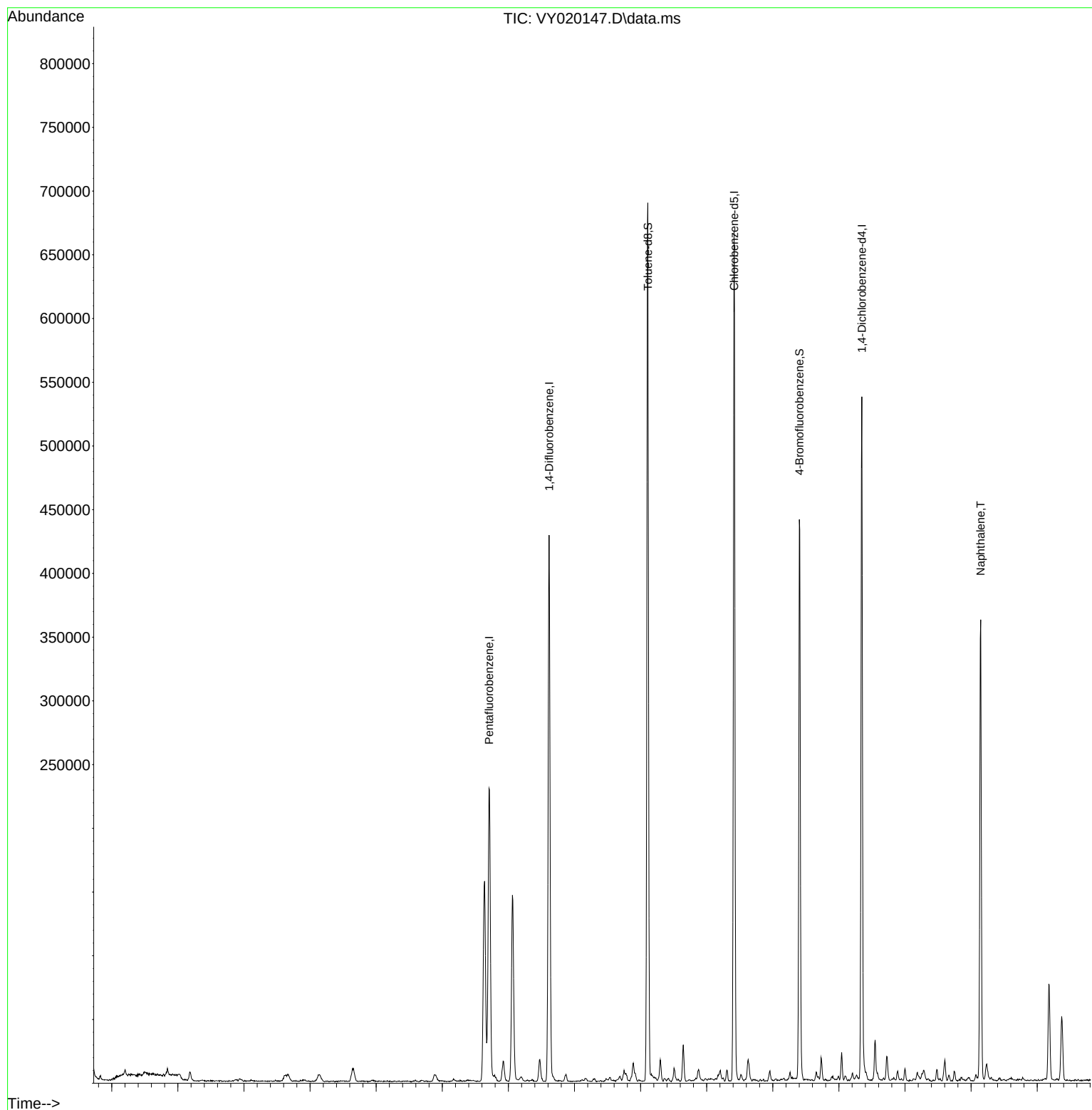
Internal Standards						
1) Pentafluorobenzene	7.707	168	158424	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	334512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	316294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	116862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112867	57.083	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 114.160%		
35) Dibromofluoromethane	7.640	113	112494	52.893	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 105.780%		
50) Toluene-d8	10.109	98	424955	50.197	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 100.400%		
62) 4-Bromofluorobenzene	12.402	95	128471	46.721	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	= 93.440%		
Target Compounds						
						Qvalue
64) Tetrachloroethene	10.646	164	5182	2.481	ug/l	# 82
84) 1,2,4-Trimethylbenzene	13.042	105	9713	1.308	ug/l	99
95) Naphthalene	15.145	128	268593	80.230	ug/l	99

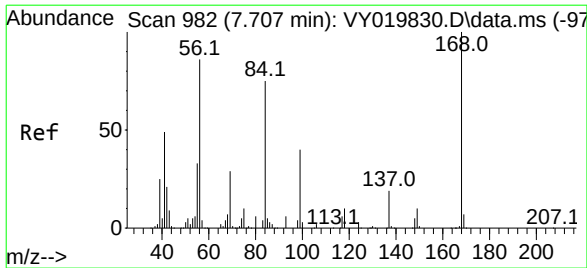
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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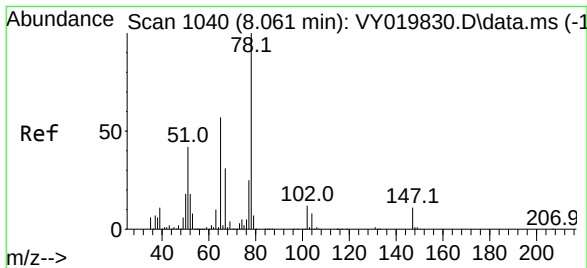
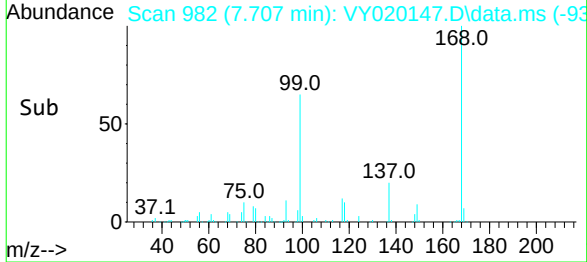
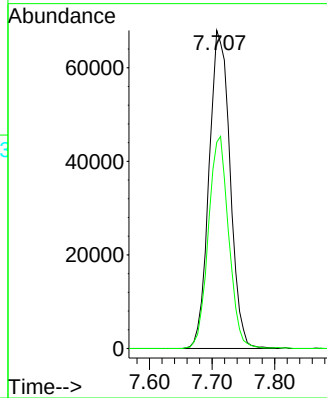
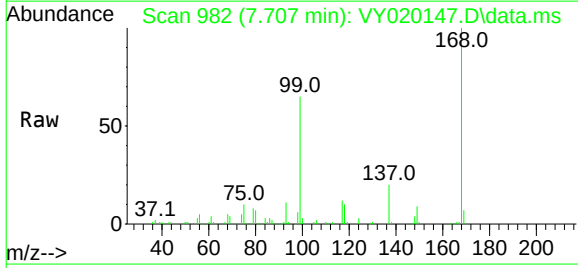




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY020147.D
Acq: 04 Nov 2024 16:57

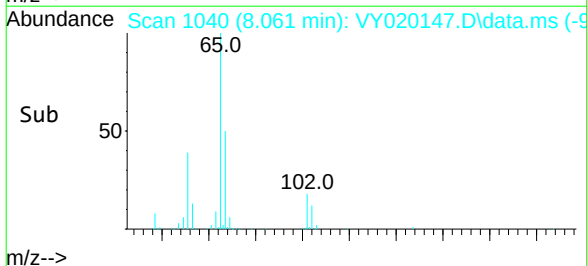
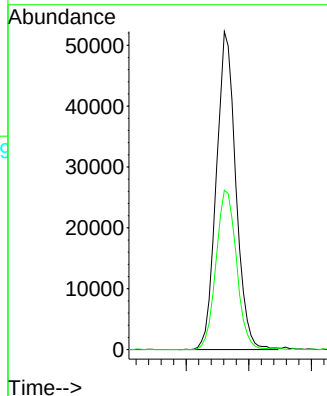
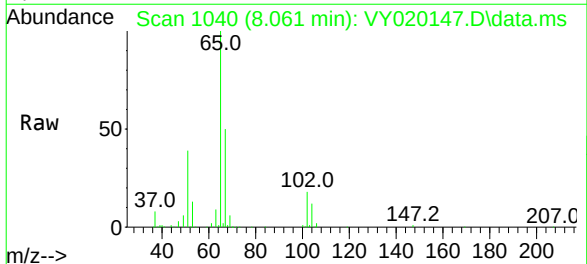
Instrument :
MSVOA_Y
ClientSampleId :
Z-01-VOC

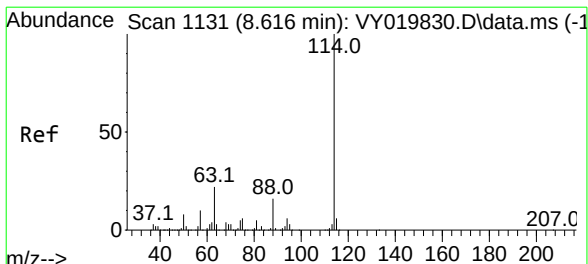
Tgt Ion:168 Resp: 158424
Ion Ratio Lower Upper
168 100
99 64.9 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 57.083 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020147.D
Acq: 04 Nov 2024 16:57

Tgt Ion: 65 Resp: 112867
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.6

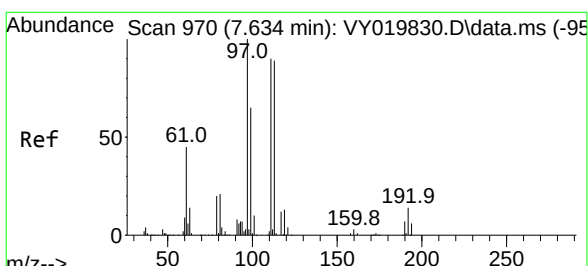
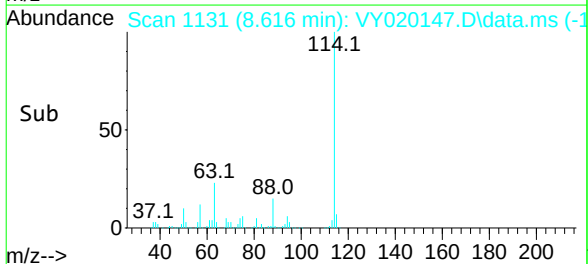
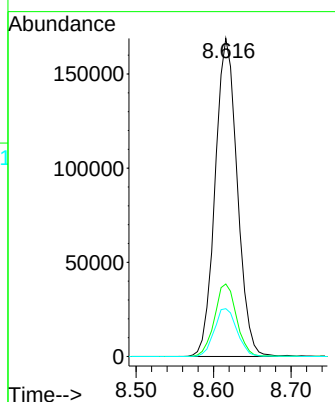
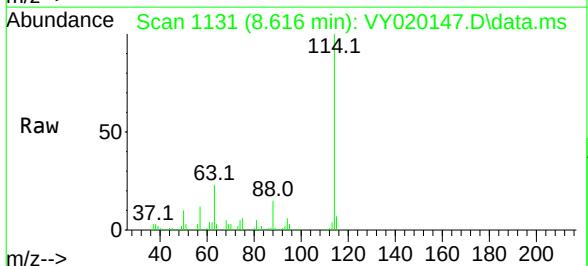




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY020147.D
 Acq: 04 Nov 2024 16:57

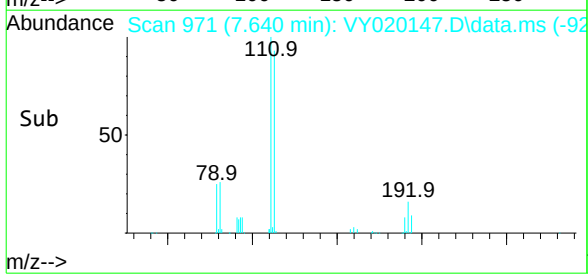
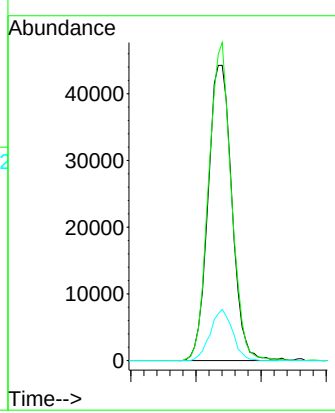
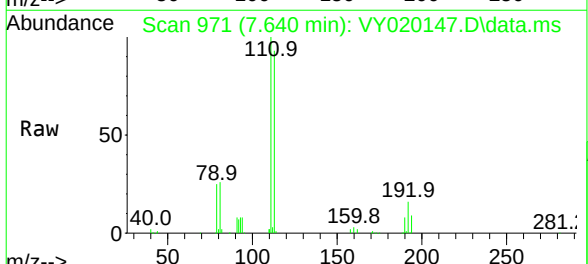
Instrument :
 MSVOA_Y
 ClientSampleId :
 Z-01-VOC

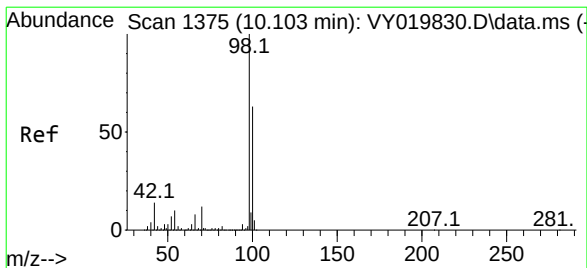
Tgt Ion:	114	Resp:	334512
Ion Ratio	Lower	Upper	
114	100		
63	22.8	0.0	35.0
88	15.0	0.0	27.2



#35
 Dibromofluoromethane
 Concen: 52.893 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. 0.007 min
 Lab File: VY020147.D
 Acq: 04 Nov 2024 16:57

Tgt Ion:	113	Resp:	112494
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.2	123.4
192	16.2	15.9	23.9





#50

Toluene-d8

Concen: 50.197 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020147.D

Acq: 04 Nov 2024 16:57

Instrument :

MSVOA_Y

ClientSampleId :

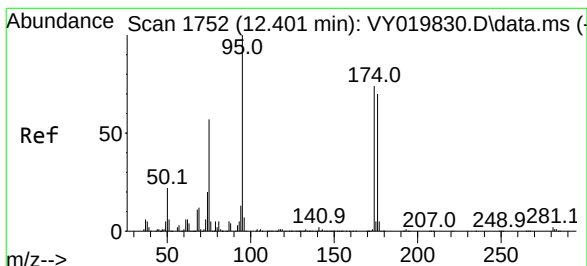
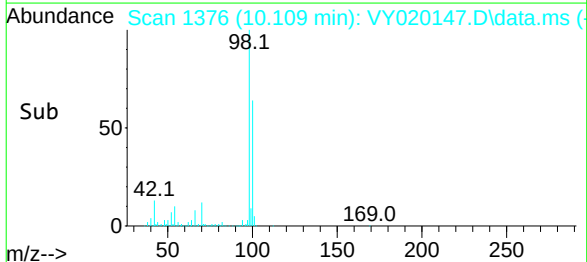
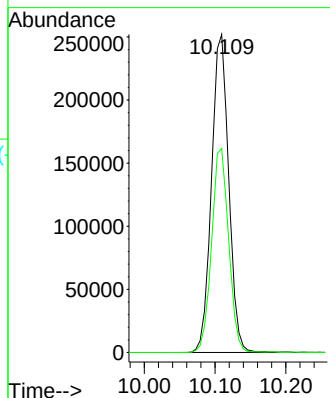
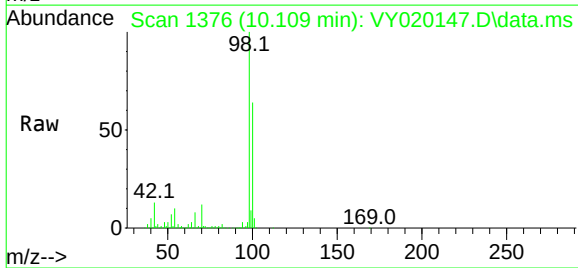
Z-01-VOC

Tgt Ion: 98 Resp: 424955

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 46.721 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020147.D

Acq: 04 Nov 2024 16:57

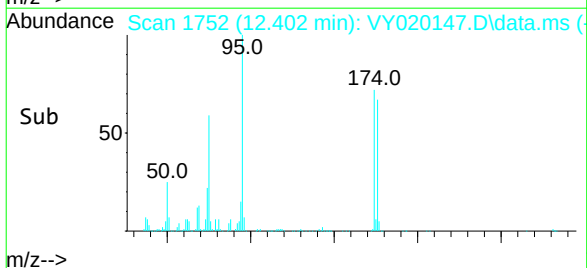
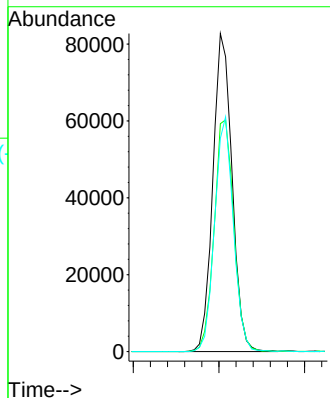
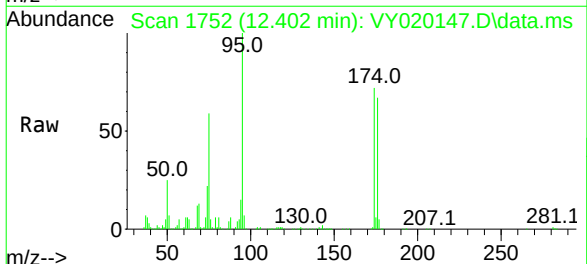
Tgt Ion: 95 Resp: 128471

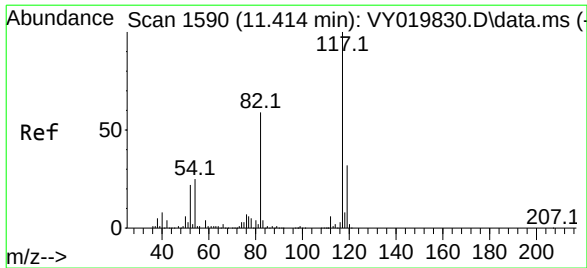
Ion Ratio Lower Upper

95 100

174 74.7 0.0 175.6

176 72.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 15

Delta R.T. -0.006 min

Lab File: VY020147.D

Acq: 04 Nov 2024 16:57

Instrument :

MSVOA_Y

ClientSampleId :

Z-01-VOC

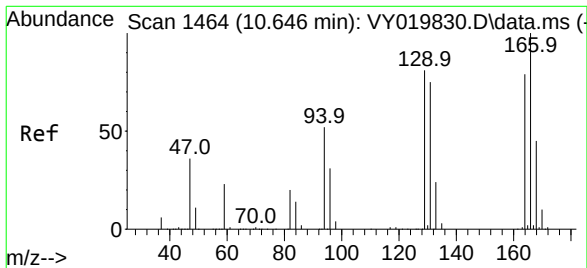
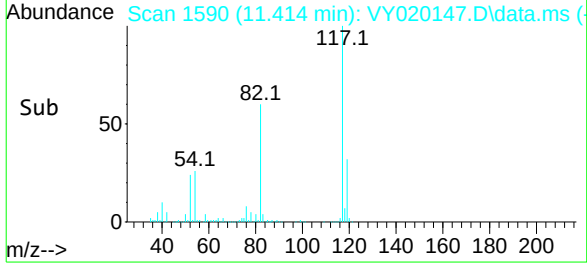
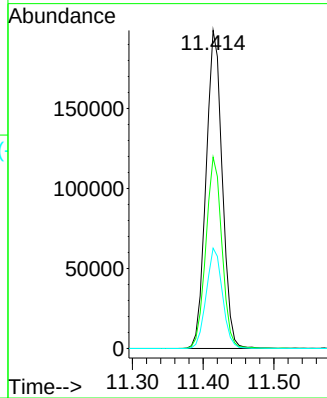
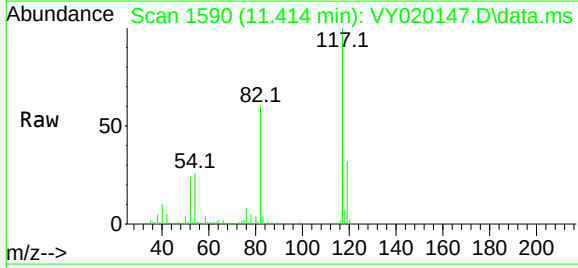
Tgt Ion:117 Resp: 316294

Ion Ratio Lower Upper

117 100

82 60.2 42.4 63.6

119 31.6 25.9 38.9



#64

Tetrachloroethene

Concen: 2.481 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY020147.D

Acq: 04 Nov 2024 16:57

Tgt Ion:164 Resp: 5182

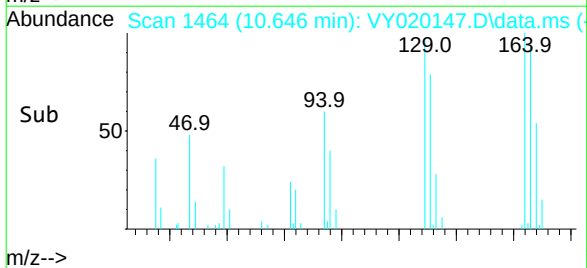
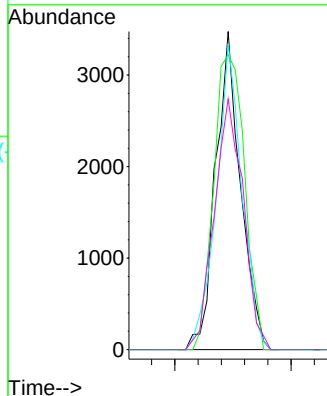
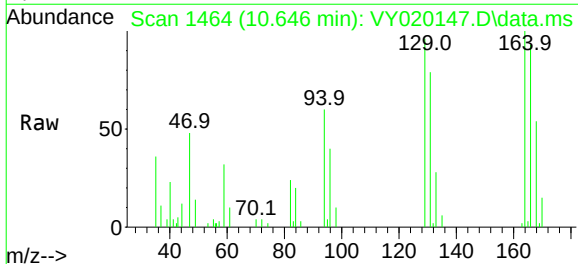
Ion Ratio Lower Upper

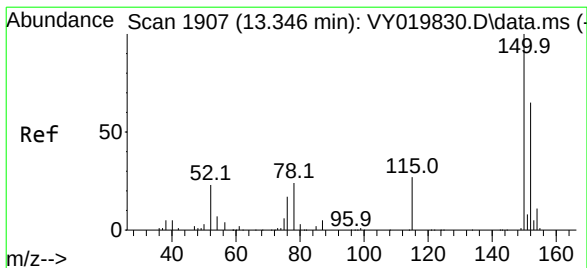
164 100

166 92.7 102.6 154.0#

129 96.1 72.0 108.0

131 78.8 70.0 105.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020147.D

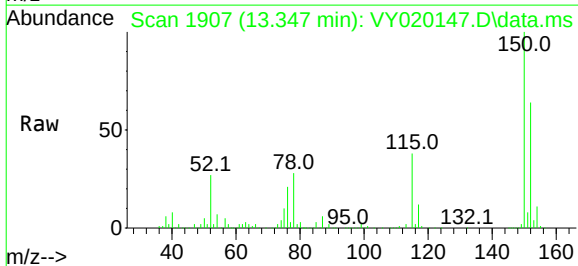
Acq: 04 Nov 2024 16:57

Instrument :

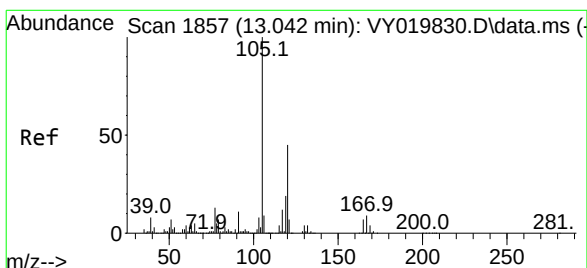
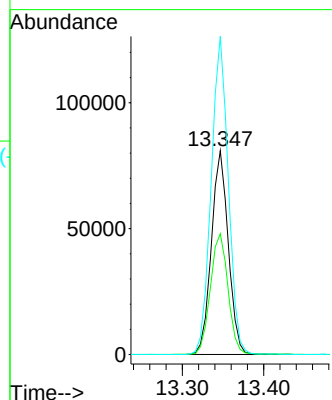
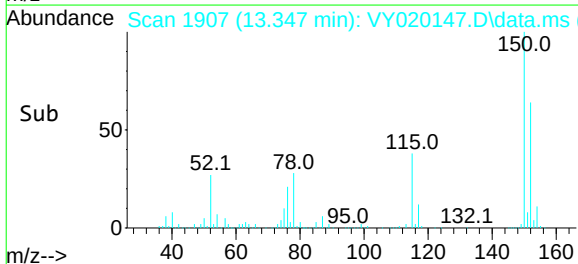
MSVOA_Y

ClientSampleId :

Z-01-VOC



Tgt Ion:	152	Resp:	116862
Ion Ratio	Lower	Upper	
152	100		
115	61.9	28.2	84.7
150	157.7	0.0	345.6



#84

1,2,4-Trimethylbenzene

Concen: 1.308 ug/l

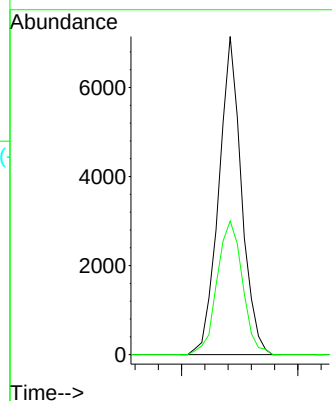
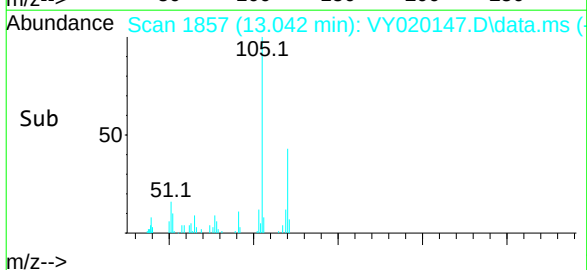
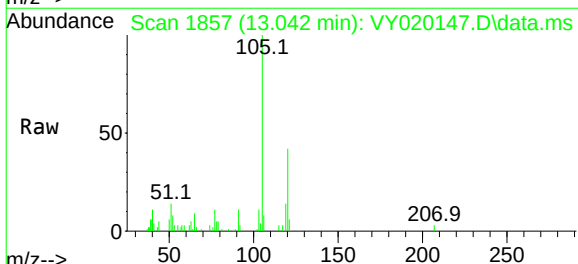
RT: 13.042 min Scan# 1857

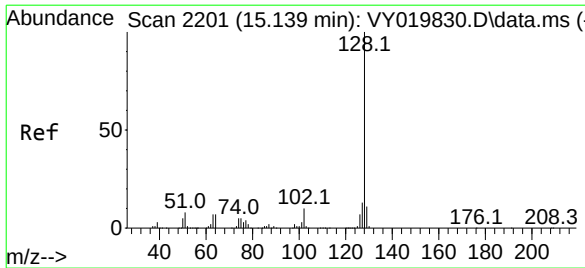
Delta R.T. -0.006 min

Lab File: VY020147.D

Acq: 04 Nov 2024 16:57

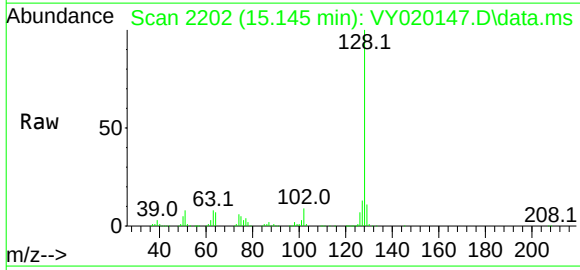
Tgt Ion:	105	Resp:	9713
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.2	69.6





#95
Naphthalene
Concen: 80.230 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020147.D
Acq: 04 Nov 2024 16:57

Instrument :
MSVOA_Y
ClientSampleId :
Z-01-VOC



Tgt Ion:128 Resp: 268593
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.8 8.6 13.0

