

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014414.D
 Acq On : 23 Jun 2023 17:48
 Operator : KP/MD
 Sample : 03362-19
 Misc : 12.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-19-20-SB-20-GRAB-5

Quant Time: Jun 23 23:13:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

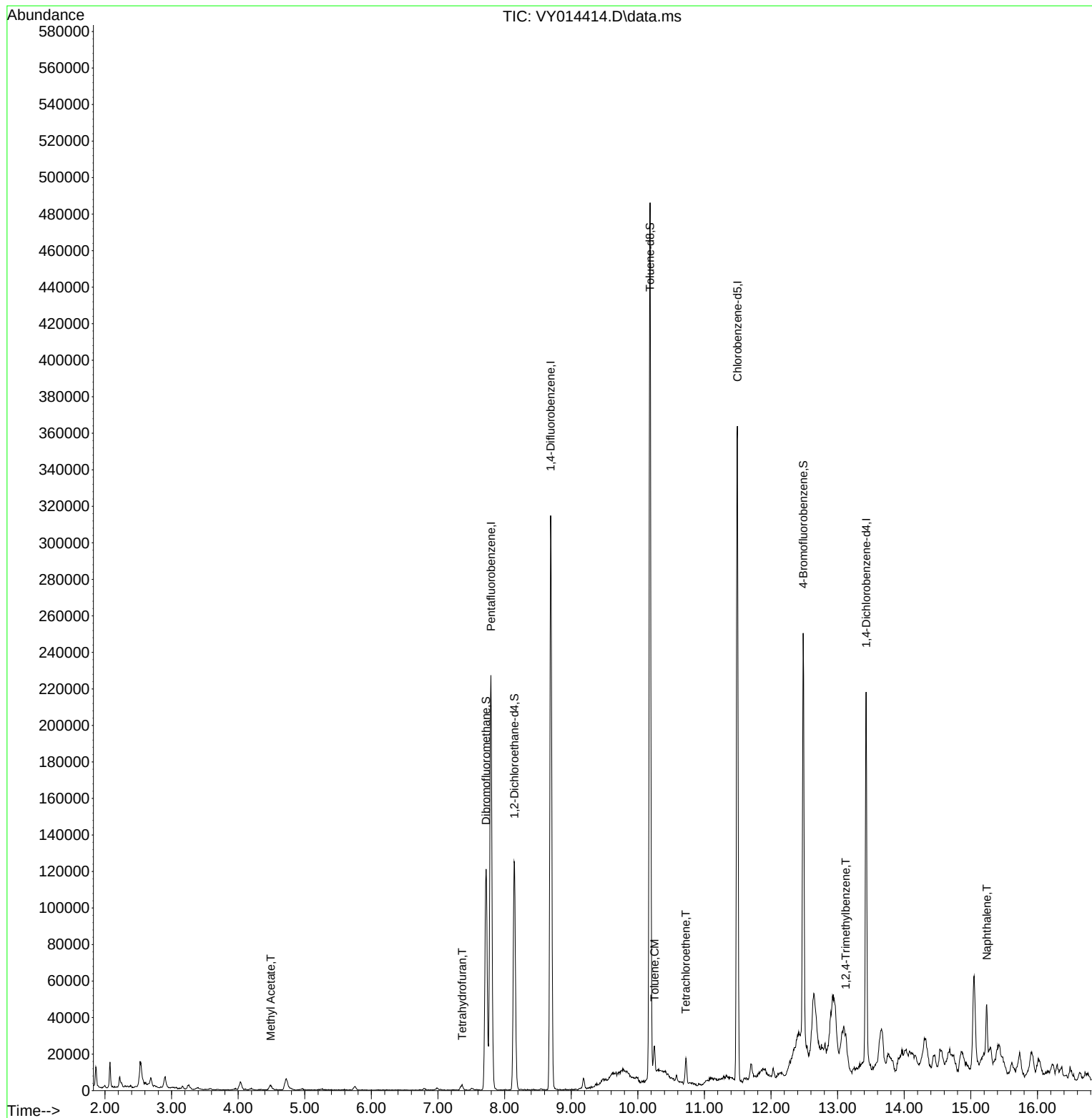
Internal Standards						
1) Pentafluorobenzene	7.795	168	176063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	262938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	193456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	109461	50.074	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.140%	
35) Dibromofluoromethane	7.722	113	83131	51.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.340%	
50) Toluene-d8	10.185	98	313716	48.581	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.483	95	64019	27.769	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 55.540%	
Target Compounds						
					Qvalue	
18) Methyl Acetate	4.491	43	4972	2.103	ug/l #	78
29) Tetrahydrofuran	7.362	42	2065	4.042	ug/l #	87
52) Toluene	10.252	92	5986	1.312	ug/l	95
64) Tetrachloroethene	10.721	164	2926	1.777	ug/l #	89
84) 1,2,4-Trimethylbenzene	13.123	105	4384	1.468	ug/l	80
95) Naphthalene	15.239	128	23411	10.507	ug/l #	92

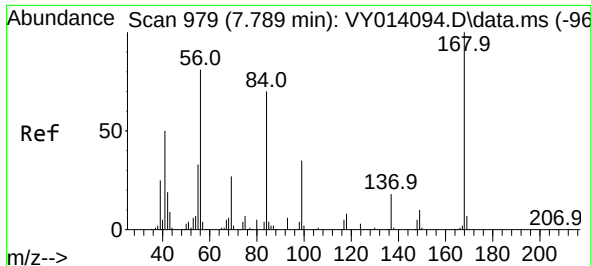
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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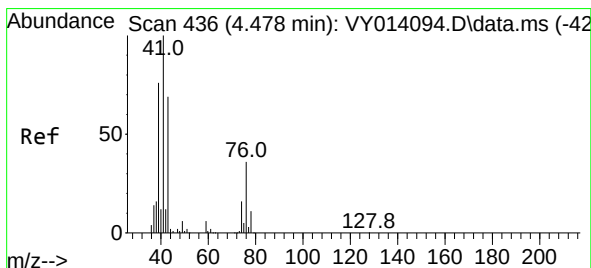
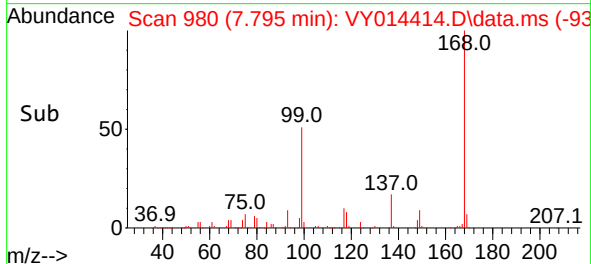
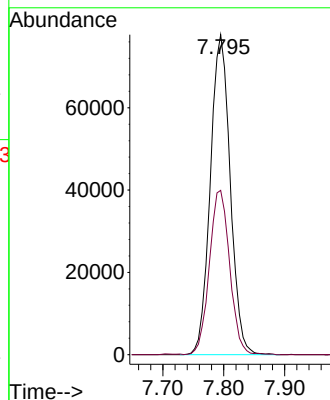
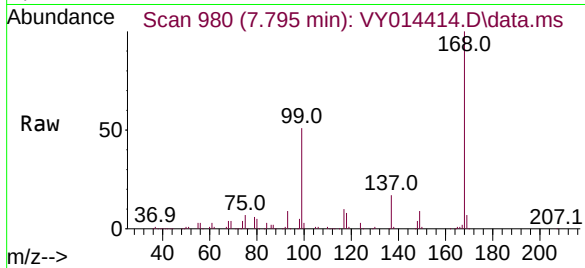




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

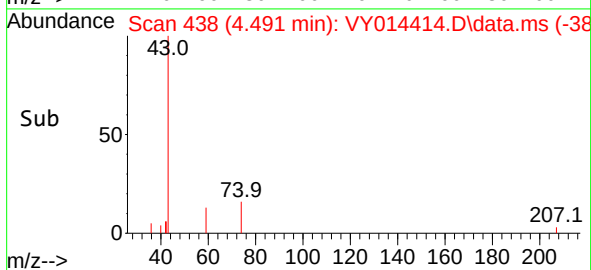
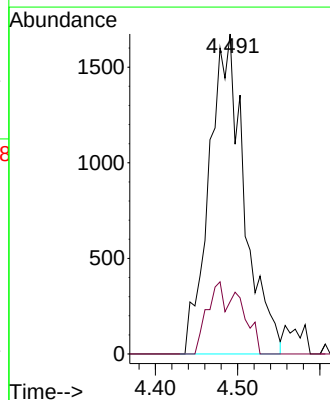
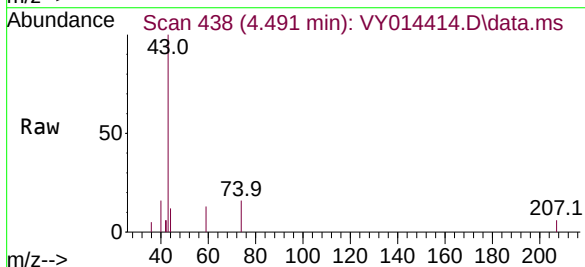
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-20-GRAB-5

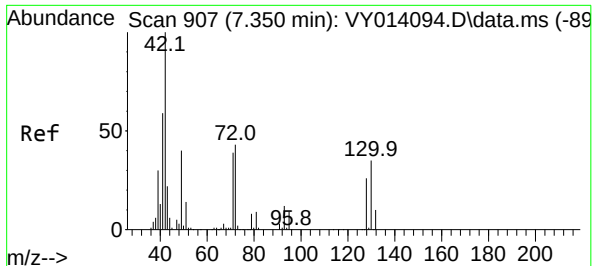
Tgt Ion:168 Resp: 176063
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#18
Methyl Acetate
Concen: 2.103 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.013 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion: 43 Resp: 4972
Ion Ratio Lower Upper
43 100
74 11.2 17.4 26.0#





#29

Tetrahydrofuran

Concen: 4.042 ug/l

RT: 7.362 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY014414.D

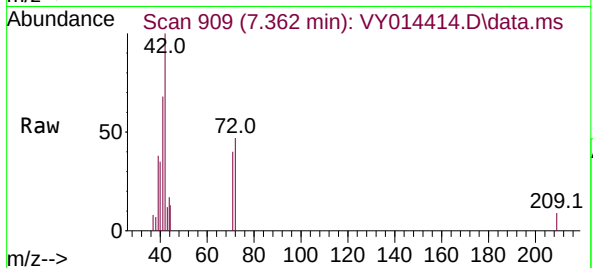
Acq: 23 Jun 2023 17:48

Instrument :

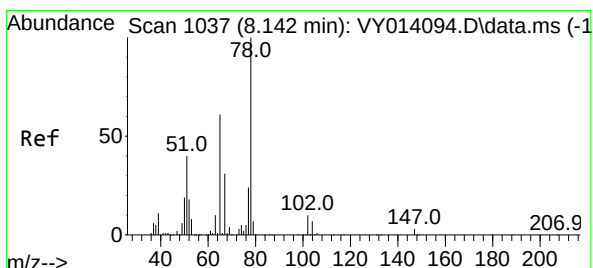
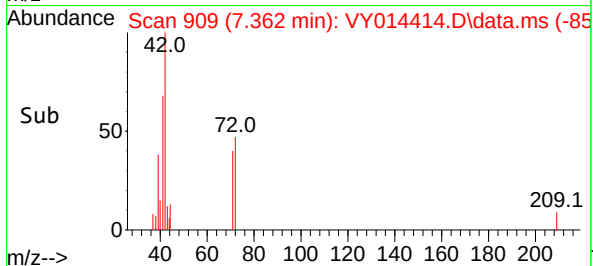
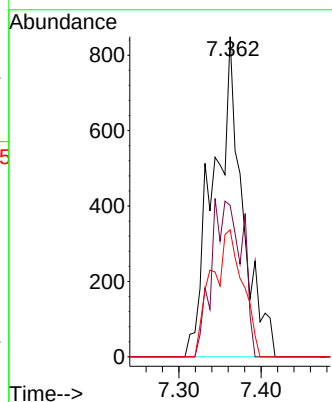
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-20-GRAB-5



Tgt Ion: 42	Resp: 2065
Ion Ratio	Lower Upper
42	100
72	52.6 32.8 49.2#
71	42.8 31.0 46.4



#33

1,2-Dichloroethane-d4

Concen: 50.074 ug/l

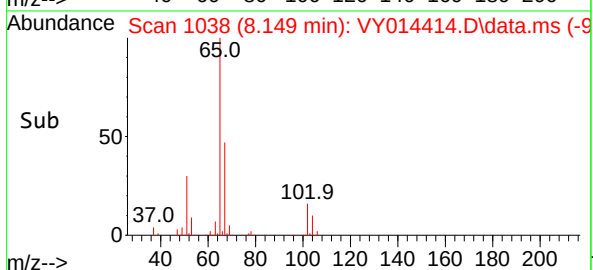
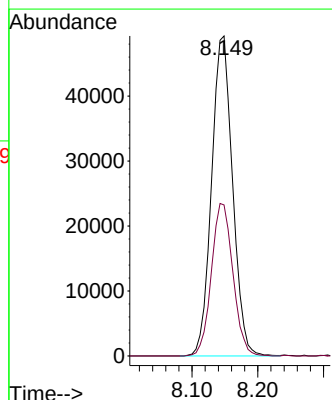
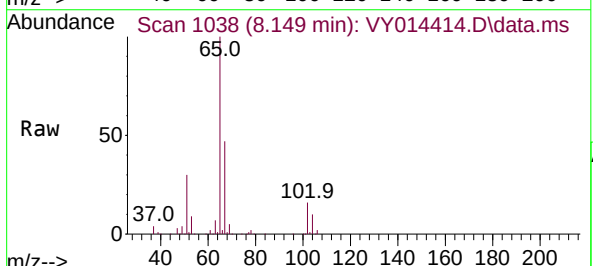
RT: 8.149 min Scan# 1038

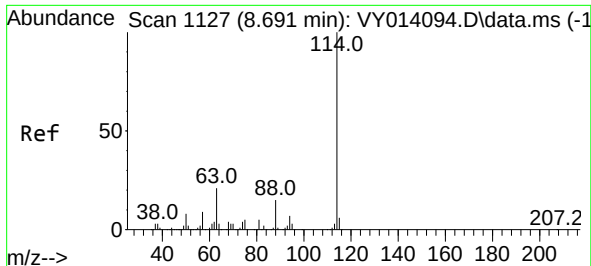
Delta R.T. 0.007 min

Lab File: VY014414.D

Acq: 23 Jun 2023 17:48

Tgt Ion: 65	Resp: 109461
Ion Ratio	Lower Upper
65	100
67	48.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014414.D

Acq: 23 Jun 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-20-GRAB-5

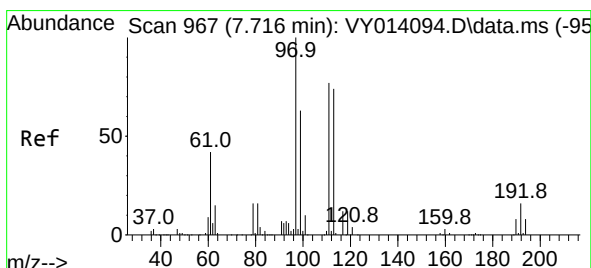
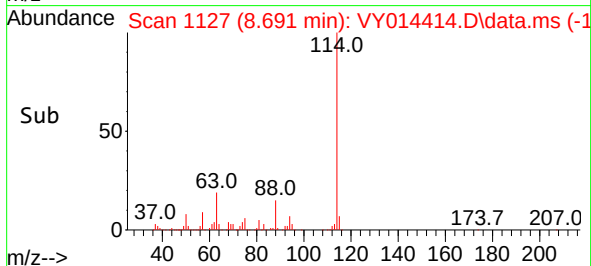
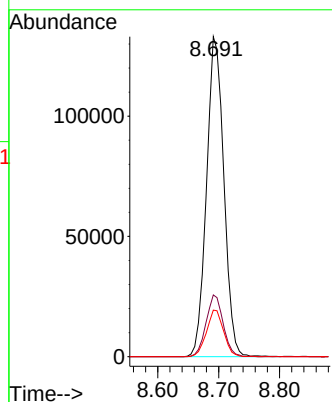
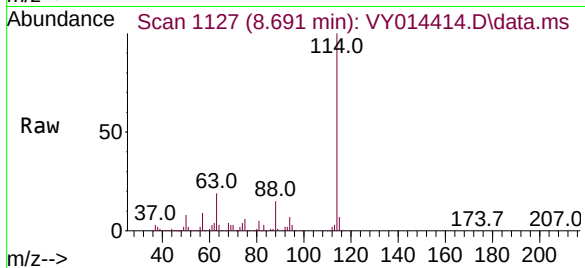
Tgt Ion:114 Resp: 262938

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.174 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014414.D

Acq: 23 Jun 2023 17:48

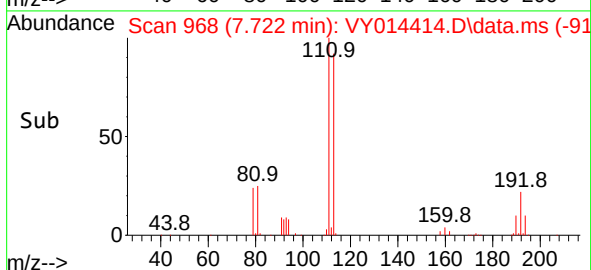
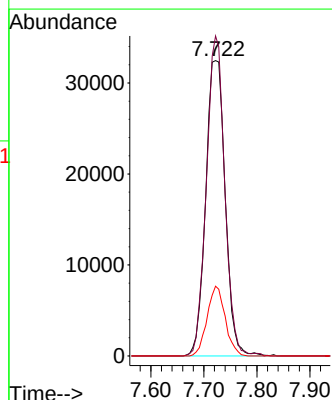
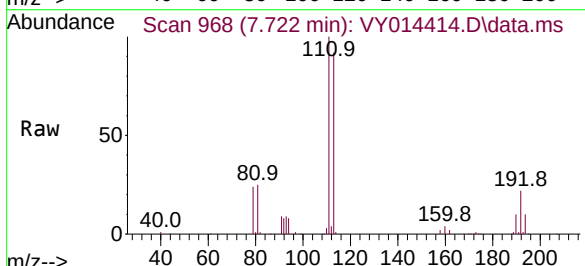
Tgt Ion:113 Resp: 83131

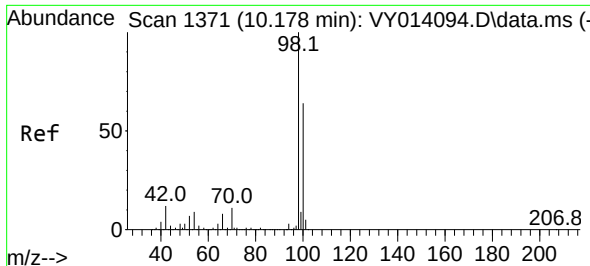
Ion Ratio Lower Upper

113 100

111 101.5 81.3 121.9

192 21.9 16.9 25.3

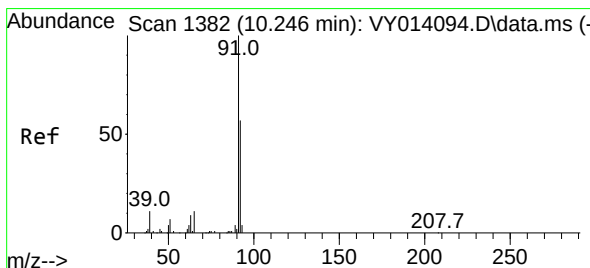
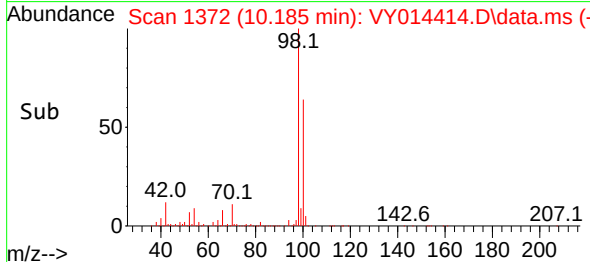
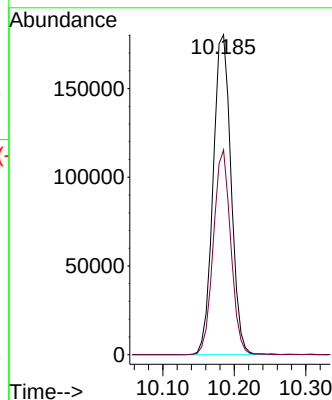
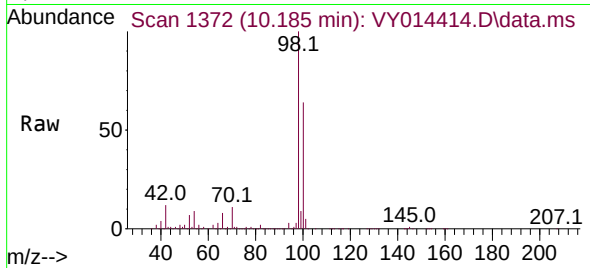




#50
Toluene-d8
Concen: 48.581 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

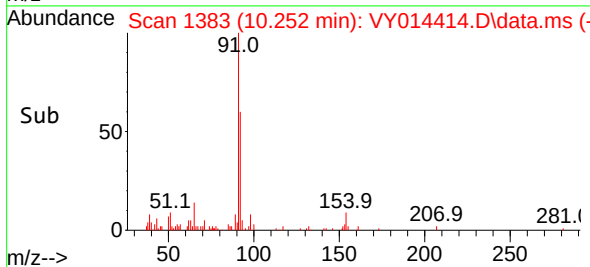
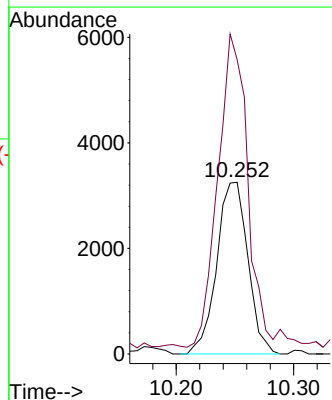
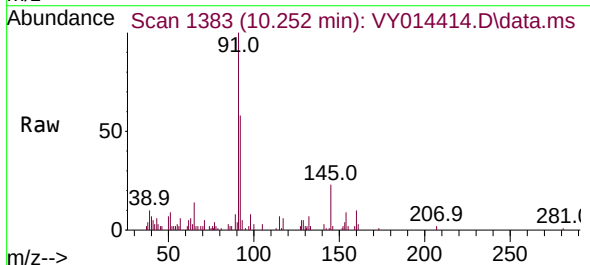
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-19-20-SB-20-GRAB-5

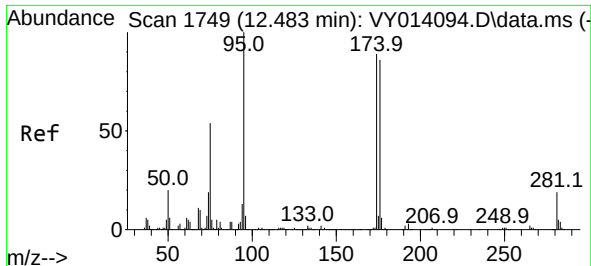
Tgt Ion: 98 Resp: 313716
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1



#52
Toluene
Concen: 1.312 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion: 92 Resp: 5986
Ion Ratio Lower Upper
92 100
91 173.0 143.8 215.6

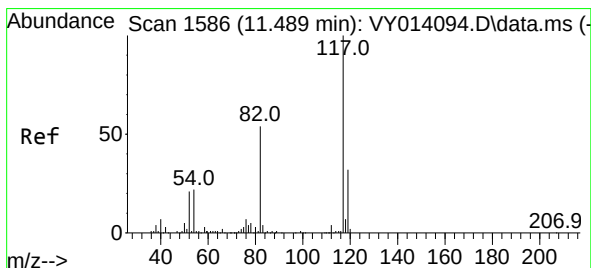
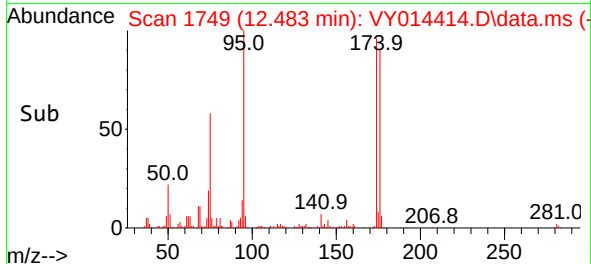
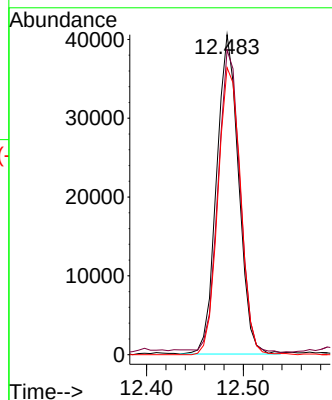
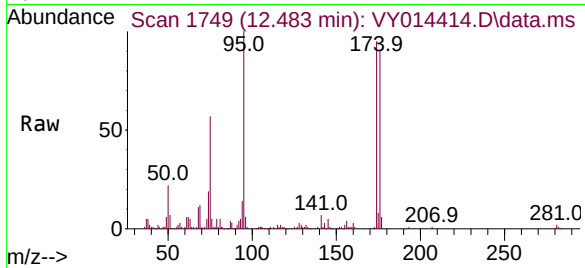




#62
4-Bromofluorobenzene
Concen: 27.769 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

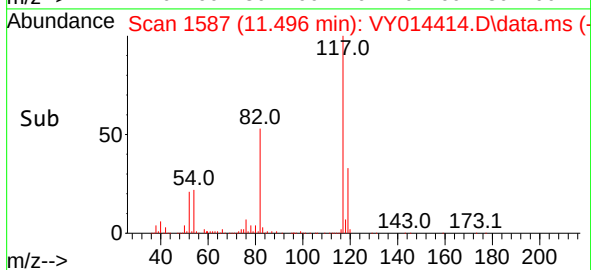
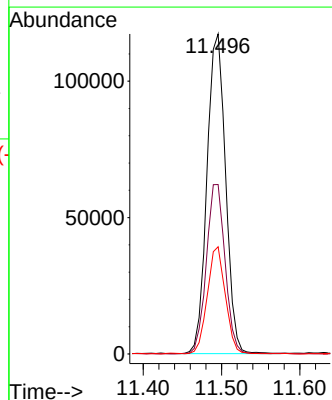
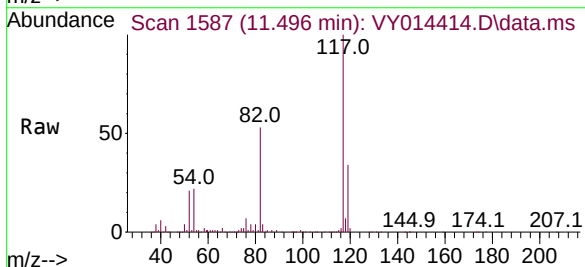
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TOTAL-VOC-SB-19-20-SB-20-GRAB-5

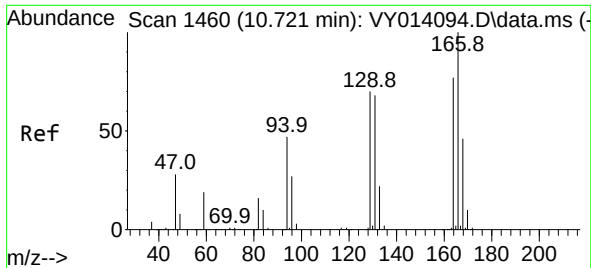
Tgt Ion: 95 Resp: 64019
Ion Ratio Lower Upper
95 100
174 94.4 0.0 178.2
176 92.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion: 117 Resp: 193456
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 33.4 26.3 39.5

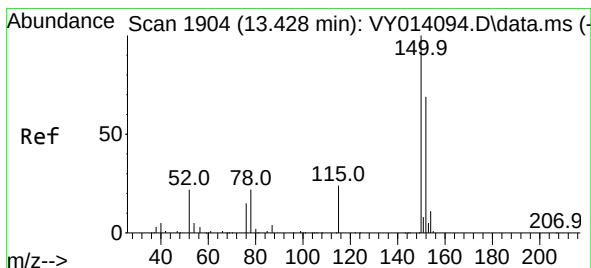
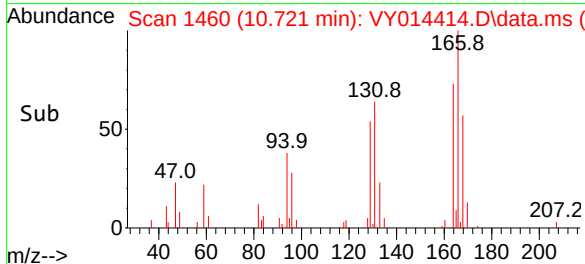
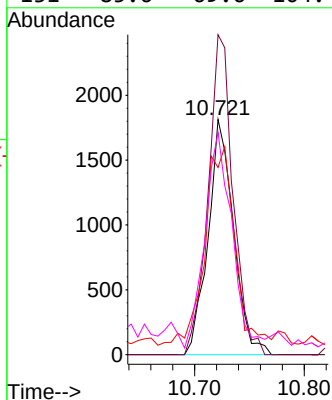
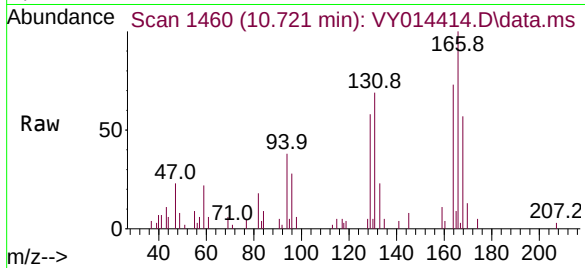




#64
Tetrachloroethene
Concen: 1.777 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

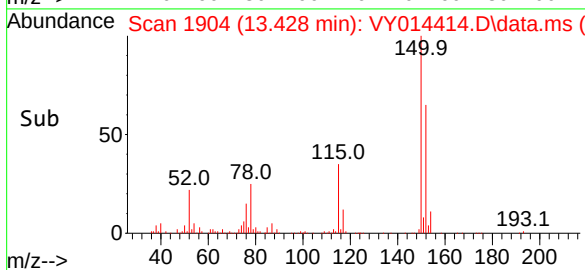
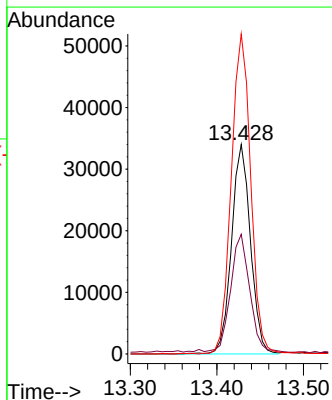
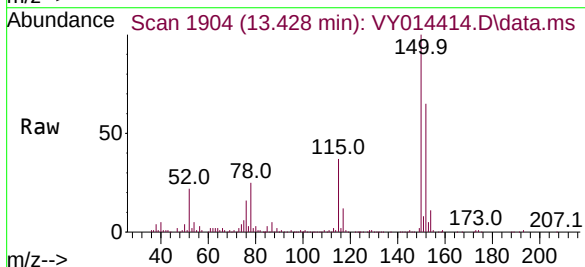
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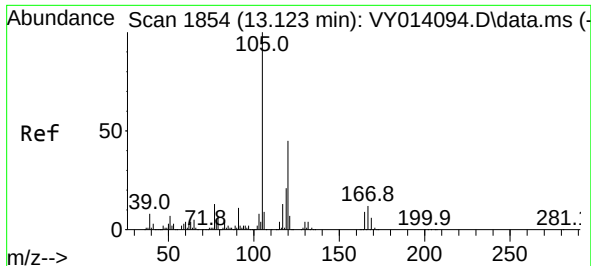
Tgt Ion:164	Resp:	2926
Ion Ratio	Lower	Upper
164	100	
166	136.1	103.0 154.6
129	70.5	77.2 115.8#
131	85.6	69.6 104.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion:152	Resp:	51742
Ion Ratio	Lower	Upper
152	100	
115	56.5	28.8 86.5
150	156.3	0.0 348.8

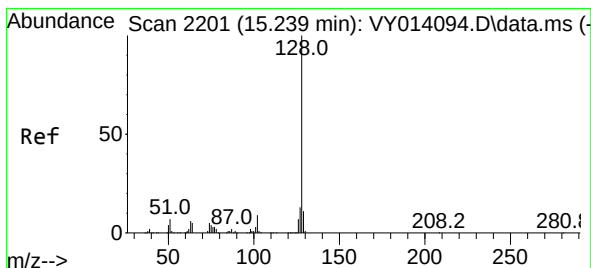
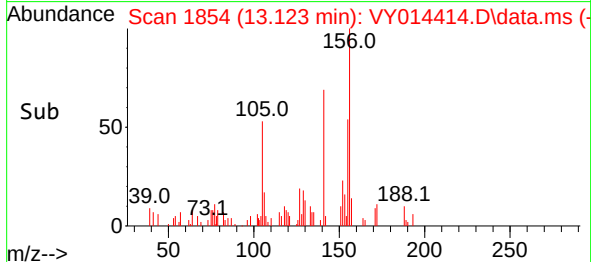
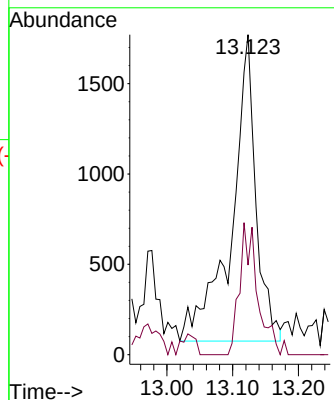
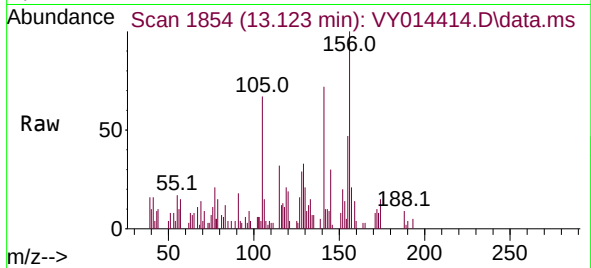




#84
1,2,4-Trimethylbenzene
Concen: 1.468 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-19-20-SB-20-GRAB-5

Tgt Ion:105 Resp: 4384
Ion Ratio Lower Upper
105 100
120 31.3 22.2 66.6



#95
Naphthalene
Concen: 10.507 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion:128 Resp: 23411
Ion Ratio Lower Upper
128 100
127 17.4 10.8 16.2#
129 8.8 8.6 13.0

