

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014238.D
 Acq On : 19 Jun 2023 19:19
 Operator : KP/MD
 Sample : 03255-11
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-34-GRAB-6

Quant Time: Jun 20 05:00:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

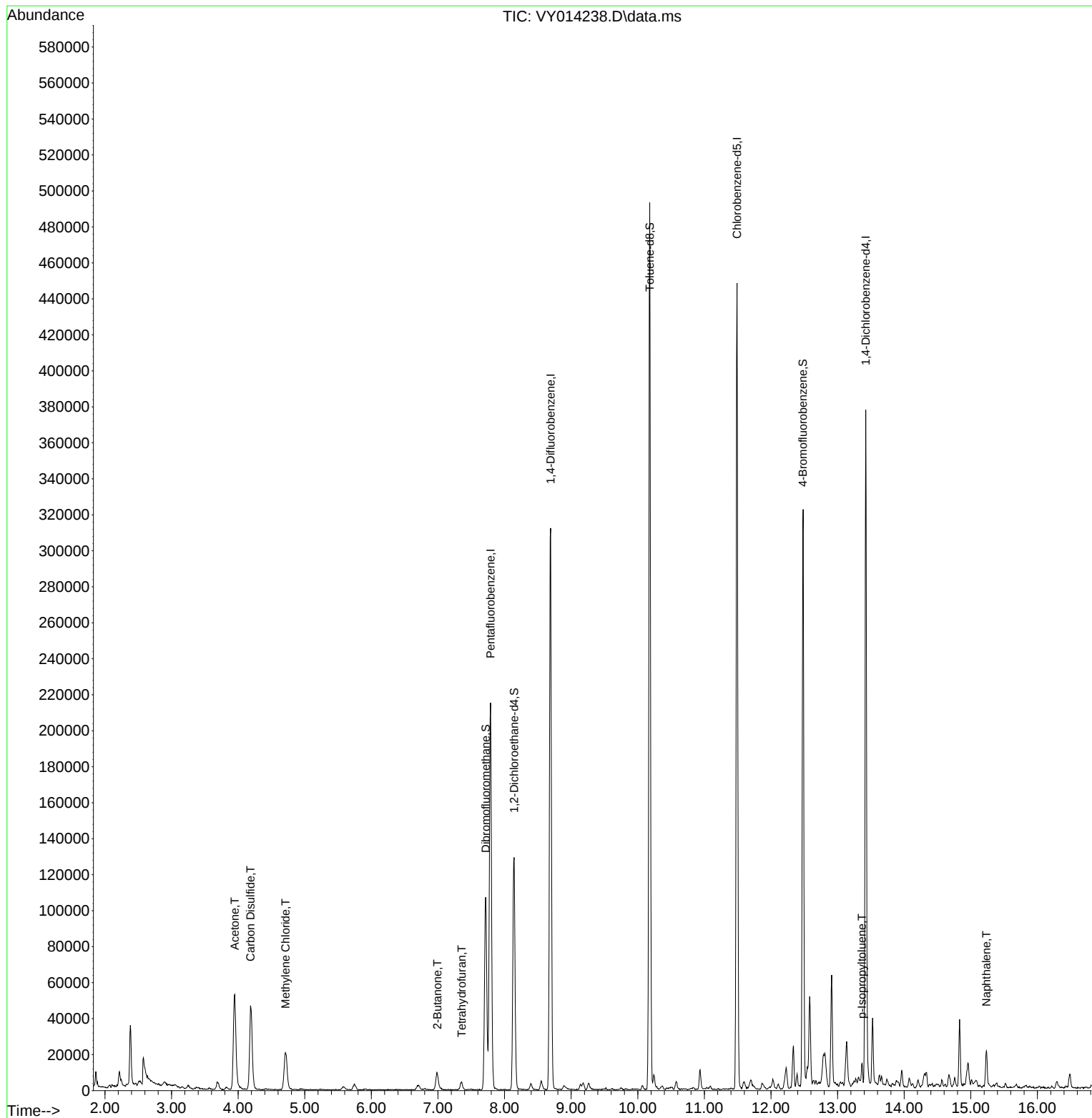
Internal Standards						
1) Pentafluorobenzene	7.789	168	165210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	260211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	237050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106958	46.492	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.980%
35) Dibromofluoromethane	7.716	113	72570	39.326	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.660%
50) Toluene-d8	10.179	98	309916	44.922	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.840%
62) 4-Bromofluorobenzene	12.477	95	90676	36.999	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.000%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	93542	134.891	ug/l	98
17) Carbon Disulfide	4.186	76	92253	15.092	ug/l	99
20) Methylene Chloride	4.710	84	15357	3.610	ug/l	91
25) 2-Butanone	6.990	43	13618	15.953	ug/l	94
29) Tetrahydrofuran	7.356	42	3200	5.912	ug/l	93
86) p-Isopropyltoluene	13.367	119	6810	1.054	ug/l	94
95) Naphthalene	15.233	128	17760	4.294	ug/l	98

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

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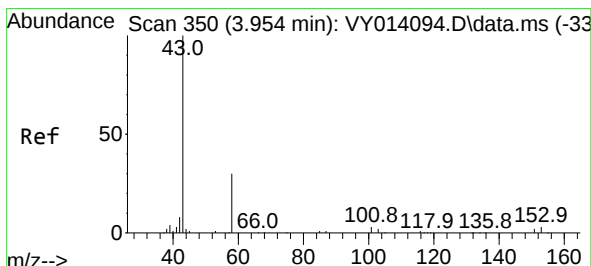
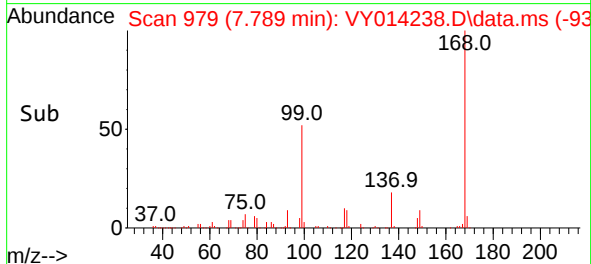
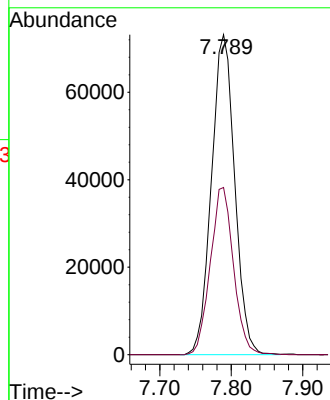
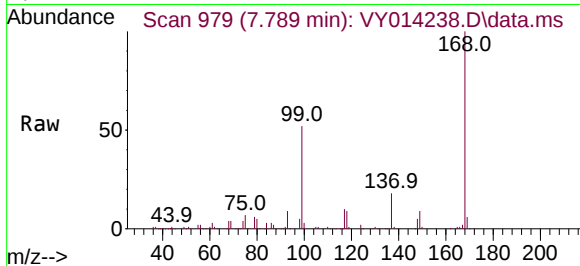




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

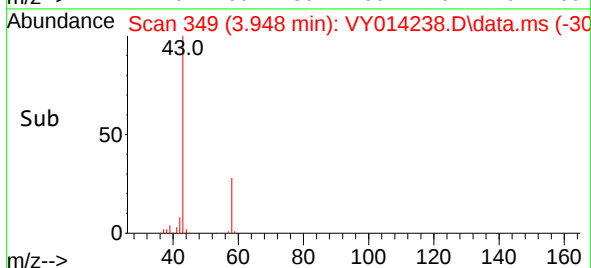
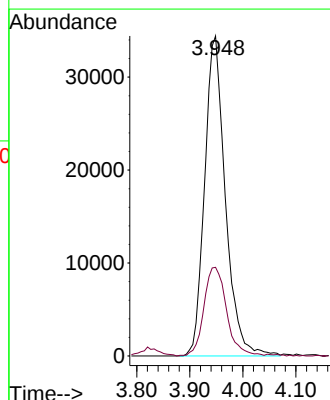
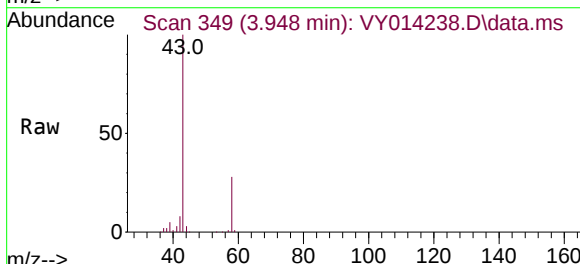
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6

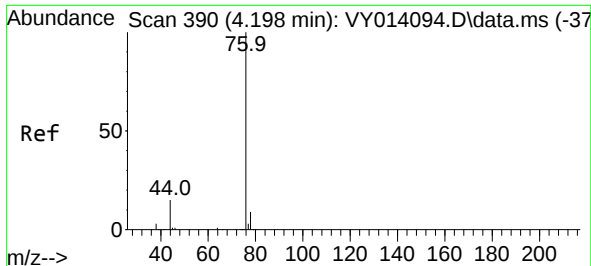
Tgt Ion:168 Resp: 165210
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#16
Acetone
Concen: 134.891 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

Tgt Ion: 43 Resp: 93542
Ion Ratio Lower Upper
43 100
58 27.5 22.7 34.1

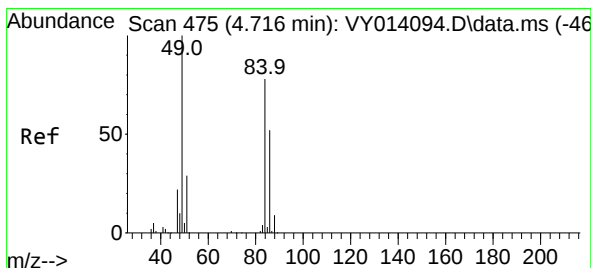
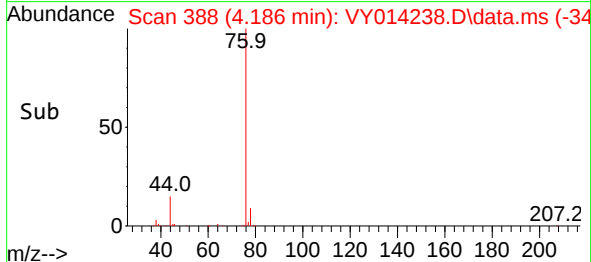
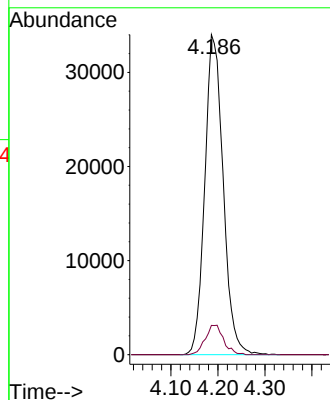
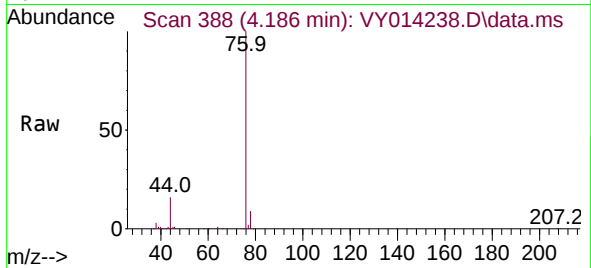




#17
Carbon Disulfide
Concen: 15.092 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

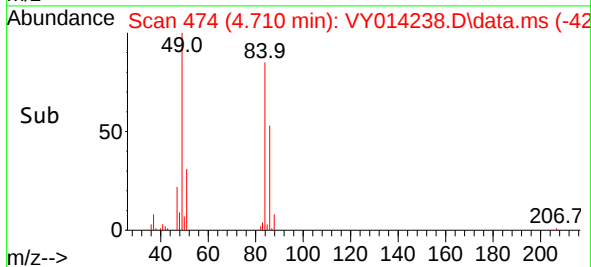
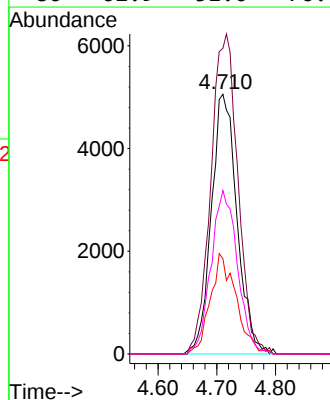
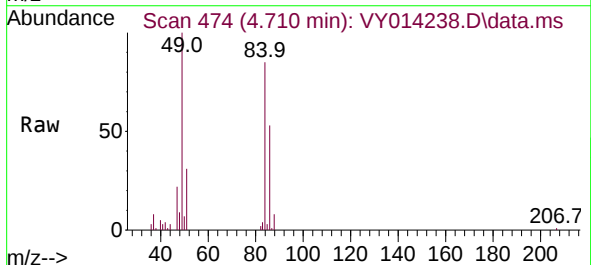
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6

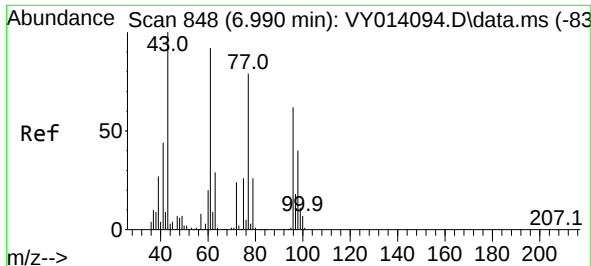
Tgt Ion: 76 Resp: 92253
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#20
Methylene Chloride
Concen: 3.610 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

Tgt Ion: 84 Resp: 15357
Ion Ratio Lower Upper
84 100
49 117.7 106.9 160.3
51 36.6 33.2 49.8
86 62.9 51.0 76.6

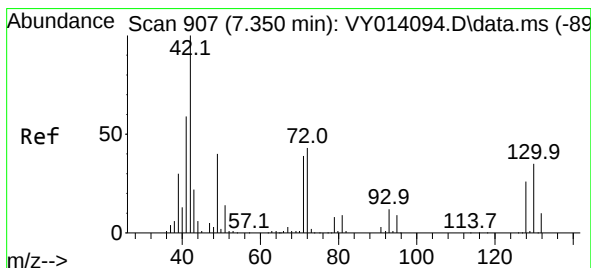
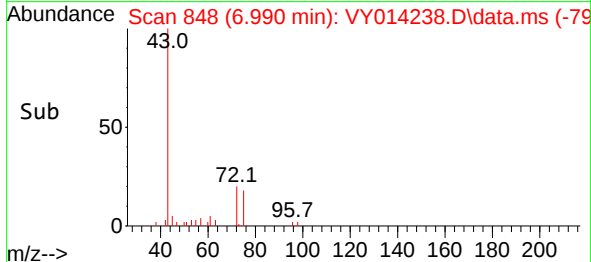
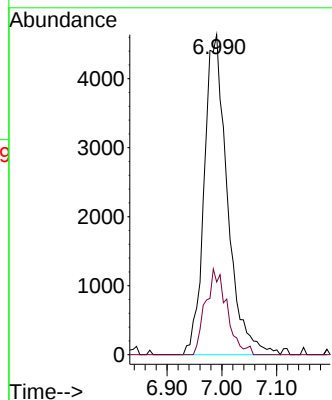
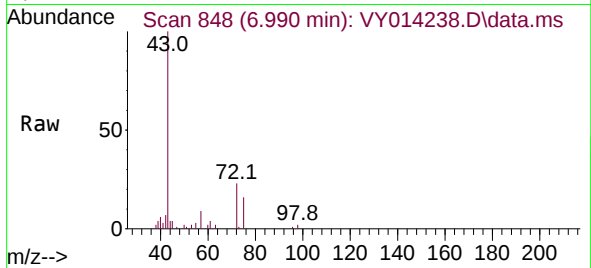




#25
2-Butanone
Concen: 15.953 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

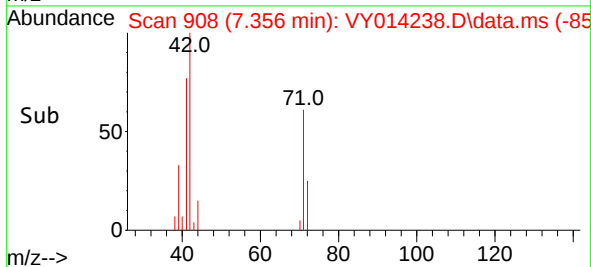
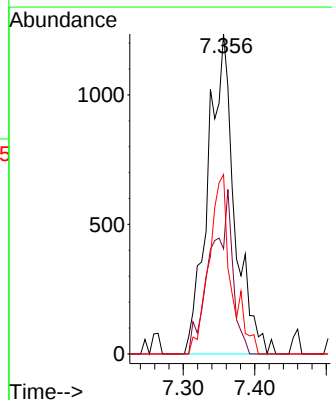
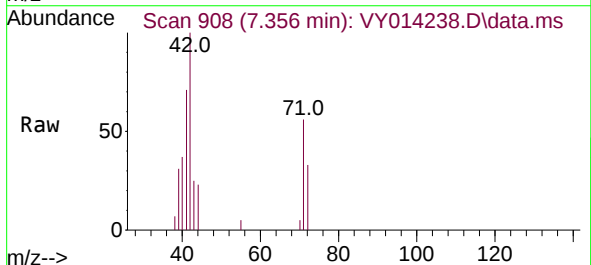
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6

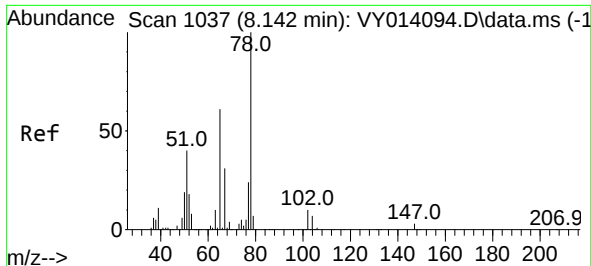
Tgt Ion: 43 Resp: 13618
Ion Ratio Lower Upper
43 100
72 22.7 20.5 30.7



#29
Tetrahydrofuran
Concen: 5.912 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

Tgt Ion: 42 Resp: 3200
Ion Ratio Lower Upper
42 100
72 41.5 32.8 49.2
71 46.4 31.0 46.4

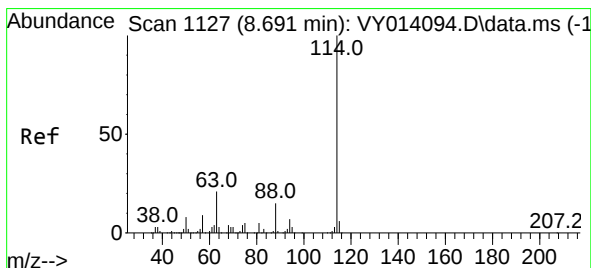
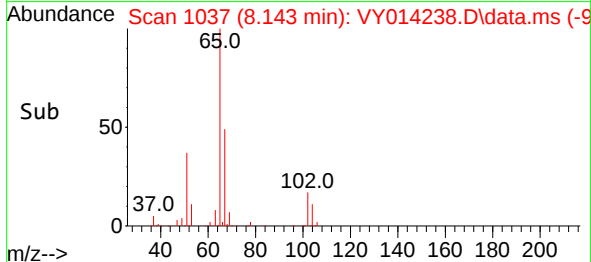
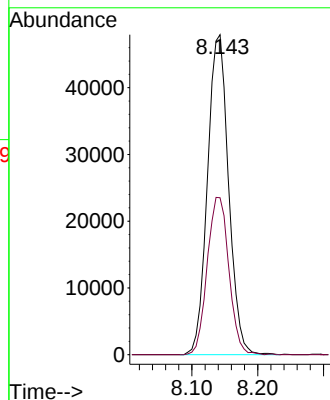
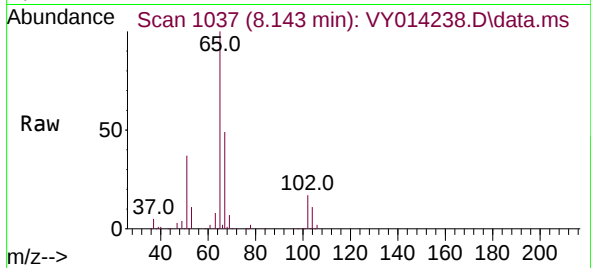




#33
 1,2-Dichloroethane-d4
 Concen: 46.492 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.001 min
 Lab File: VY014238.D
 Acq: 19 Jun 2023 19:19

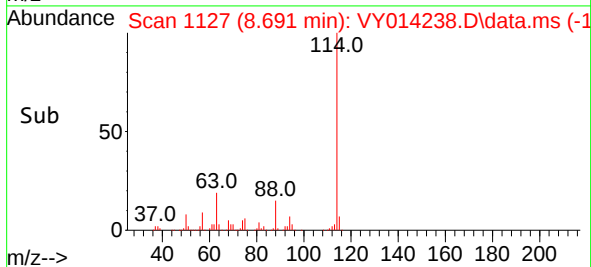
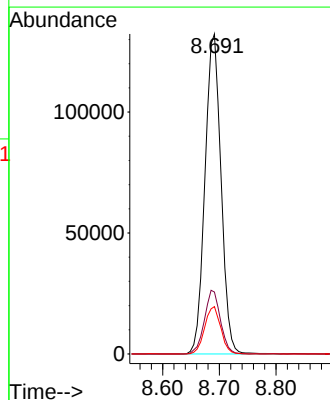
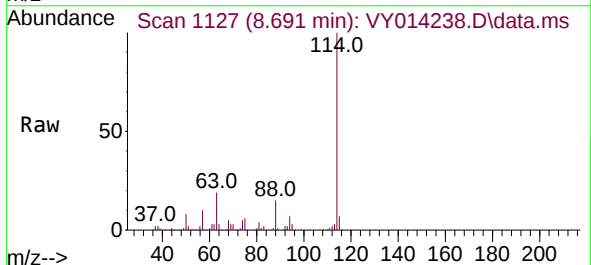
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-34-GRAB-6

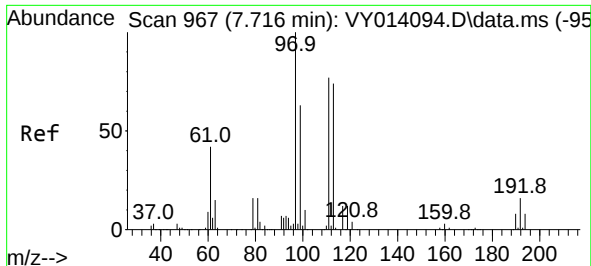
Tgt Ion: 65 Resp: 106958
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014238.D
 Acq: 19 Jun 2023 19:19

Tgt Ion: 114 Resp: 260211
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 14.8 0.0 30.6

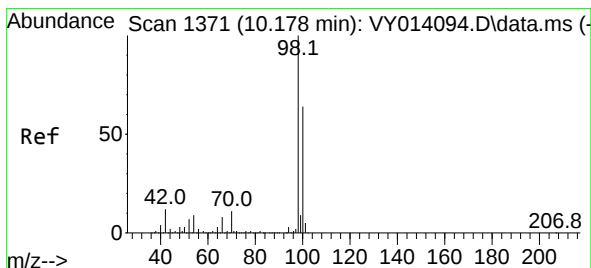
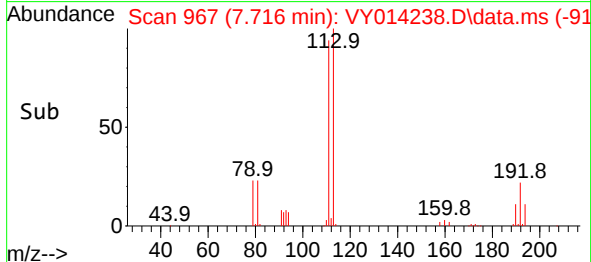
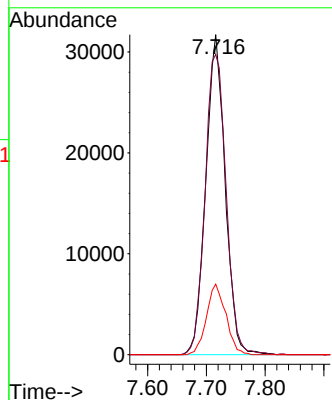
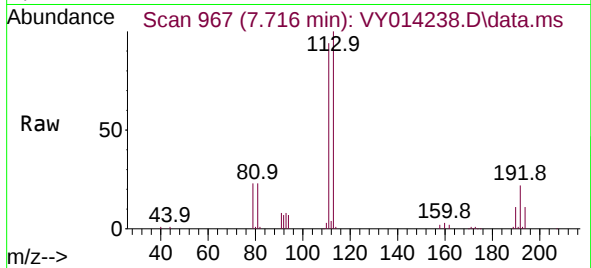




#35
Dibromofluoromethane
Concen: 39.326 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

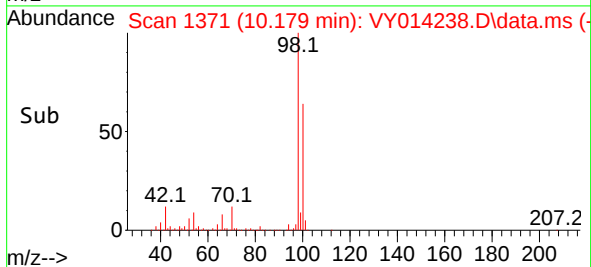
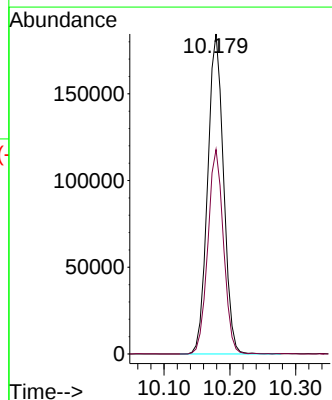
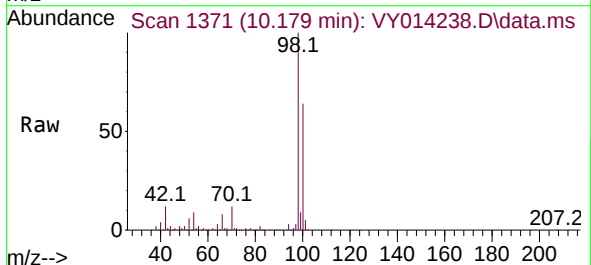
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6

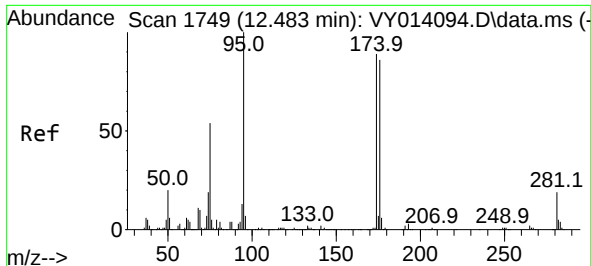
Tgt Ion:113 Resp: 72570
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 22.1 16.9 25.3



#50
Toluene-d8
Concen: 44.922 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

Tgt Ion: 98 Resp: 309916
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1

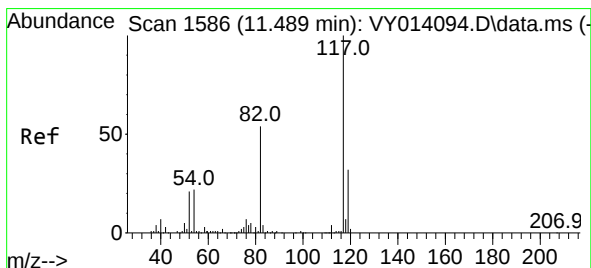
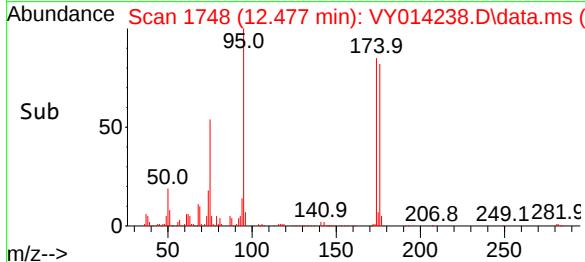
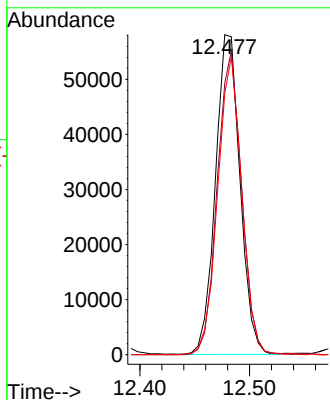
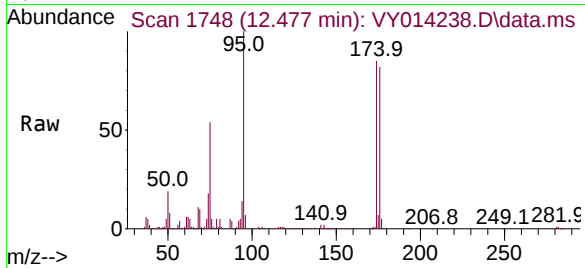




#62
4-Bromofluorobenzene
Concen: 36.999 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

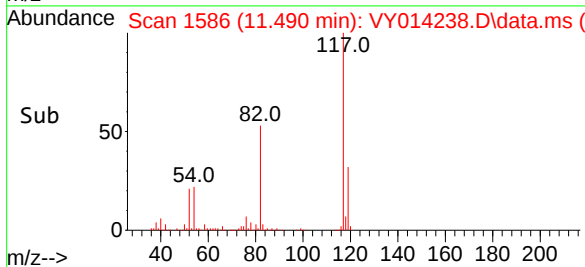
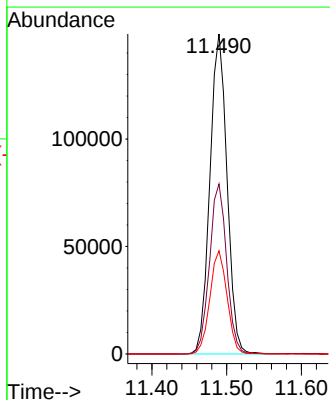
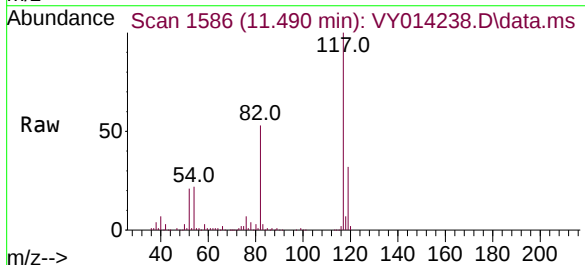
Instrument :
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ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6

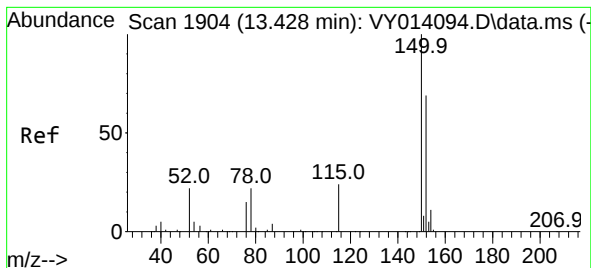
Tgt Ion: 95 Resp: 90676
Ion Ratio Lower Upper
95 100
174 93.3 0.0 178.2
176 91.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

Tgt Ion: 117 Resp: 237050
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014238.D

Acq: 19 Jun 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-6

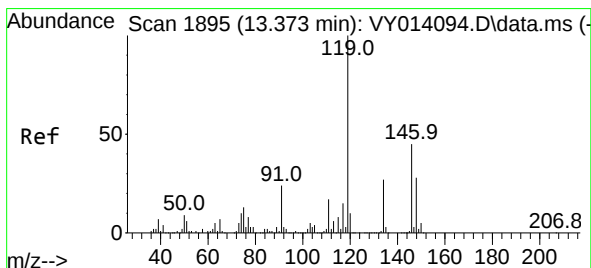
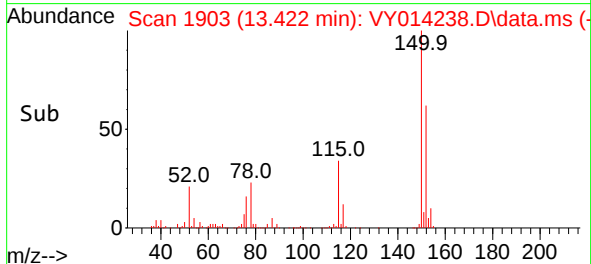
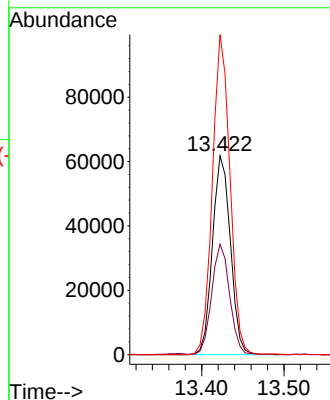
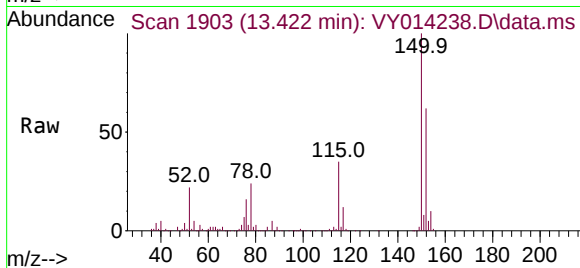
Tgt Ion:152 Resp: 93564

Ion Ratio Lower Upper

152 100

115 55.0 28.8 86.5

150 157.4 0.0 348.8



#86

p-Isopropyltoluene

Concen: 1.054 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY014238.D

Acq: 19 Jun 2023 19:19

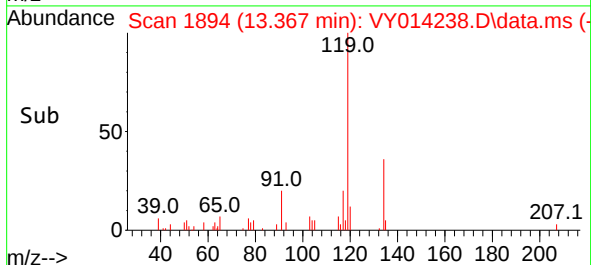
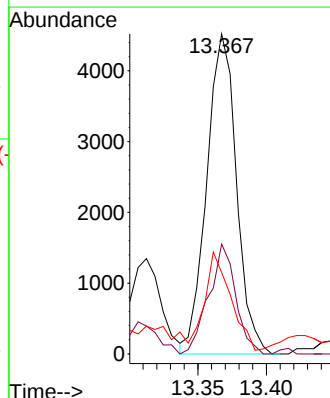
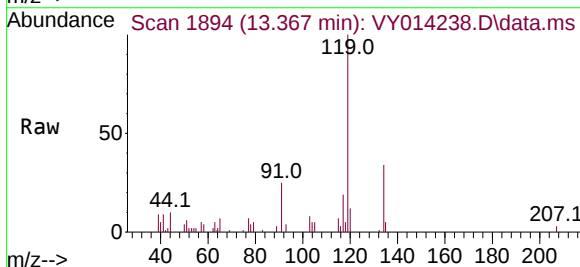
Tgt Ion:119 Resp: 6810

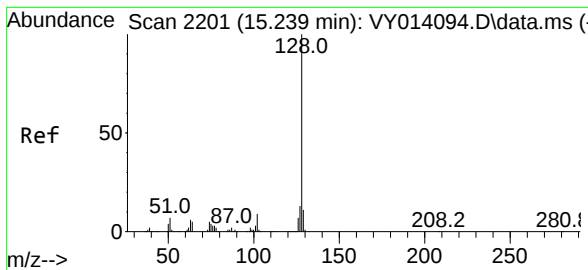
Ion Ratio Lower Upper

119 100

134 31.1 13.3 39.8

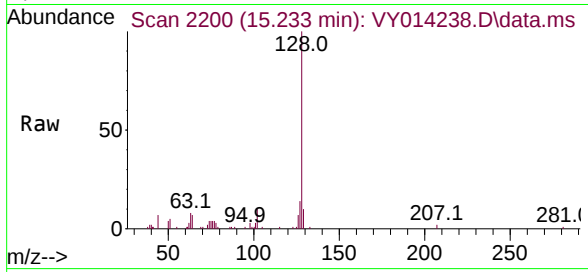
91 26.8 12.4 37.4





#95
Naphthalene
Concen: 4.294 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY014238.D
Acq: 19 Jun 2023 19:19

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-6



Tgt Ion:	128	Resp:	17760
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	11.9	8.6	13.0

