

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014239.D
 Acq On : 19 Jun 2023 19:42
 Operator : KP/MD
 Sample : 03255-12
 Misc : 6.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-34-GRAB-7RE

Quant Time: Jun 20 05:01:10 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)

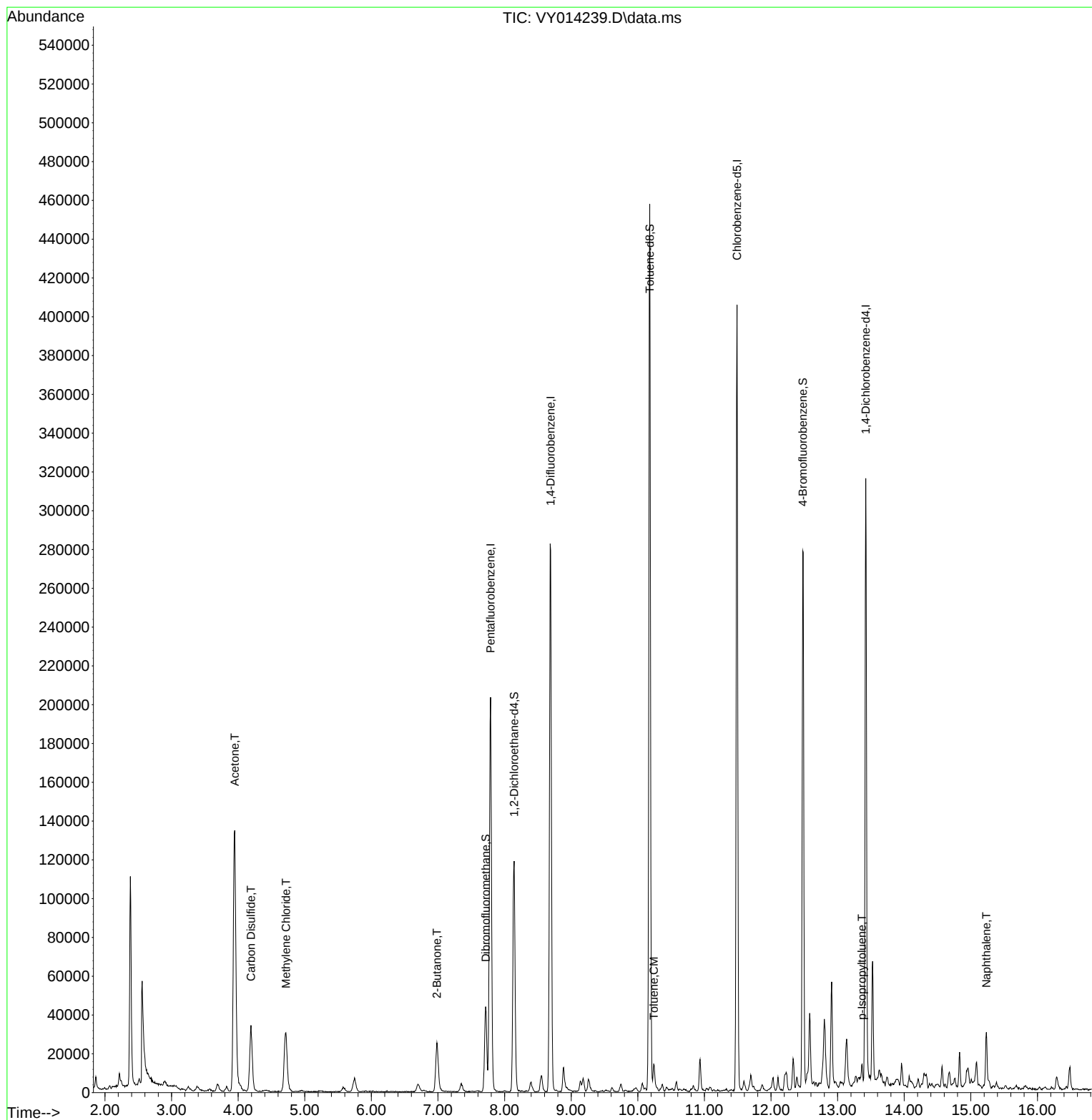
Internal Standards						
1) Pentafluorobenzene	7.789	168	154061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	240058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	211526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	97136	45.278	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.560%
35) Dibromofluoromethane	7.716	113	29731	17.464	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	34.920%#
50) Toluene-d8	10.179	98	291672	45.826	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.660%
62) 4-Bromofluorobenzene	12.477	95	81015	35.832	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.660%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	239668	370.620	ug/l	99
17) Carbon Disulfide	4.192	76	62065	10.888	ug/l	97
20) Methylene Chloride	4.716	84	22271	7.759	ug/l	95
25) 2-Butanone	6.984	43	37275	46.827	ug/l	99
52) Toluene	10.240	92	5312	1.086	ug/l	99
86) p-Isopropyltoluene	13.367	119	5971	1.089	ug/l	93
95) Naphthalene	15.233	128	23432	6.675	ug/l	98

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

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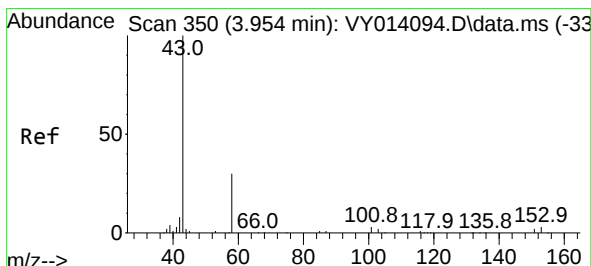
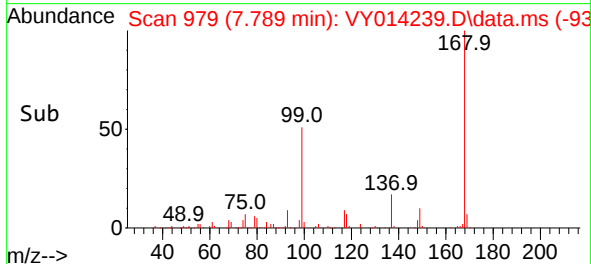
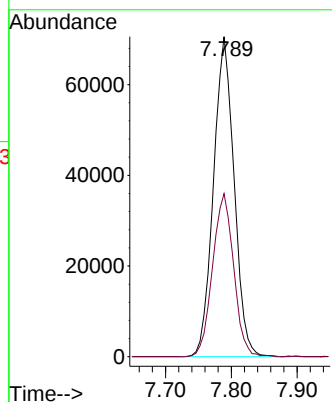
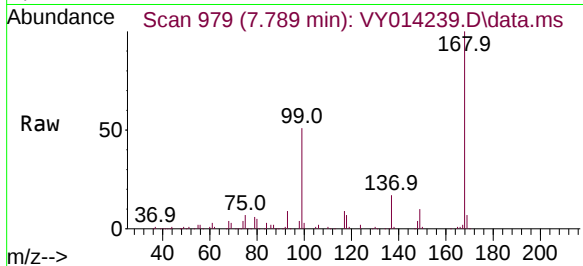




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

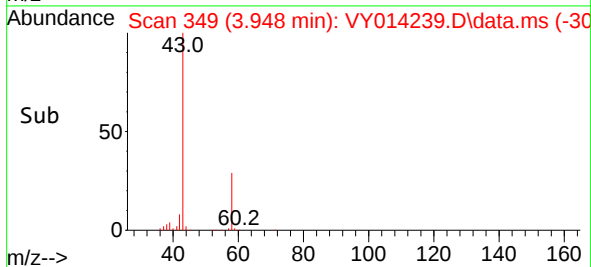
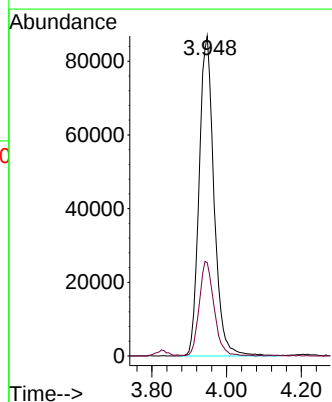
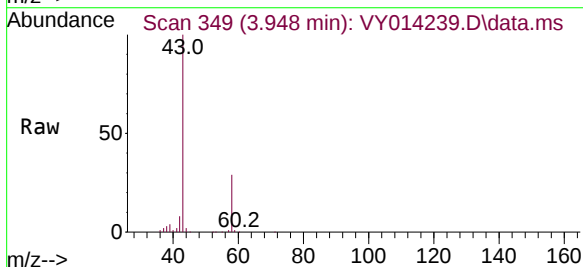
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

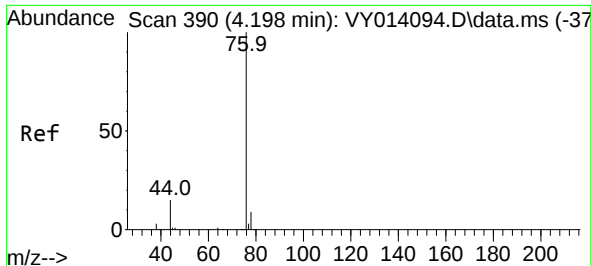
Tgt Ion:168 Resp: 154061
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#16
Acetone
Concen: 370.620 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion: 43 Resp: 239668
Ion Ratio Lower Upper
43 100
58 29.0 22.7 34.1





#17

Carbon Disulfide

Concen: 10.888 ug/l

RT: 4.192 min Scan# 390

Delta R.T. -0.006 min

Lab File: VY014239.D

Acq: 19 Jun 2023 19:42

Instrument :

MSVOA_Y

ClientSampleId :

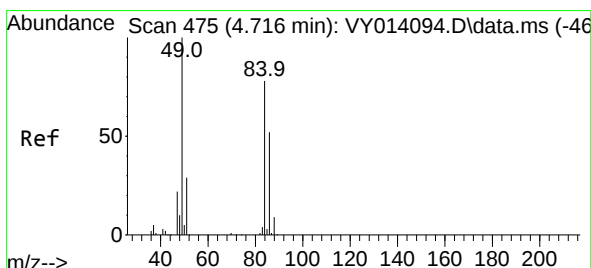
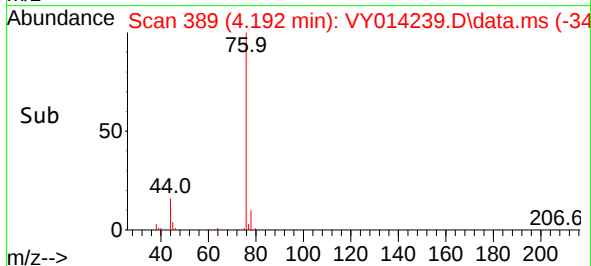
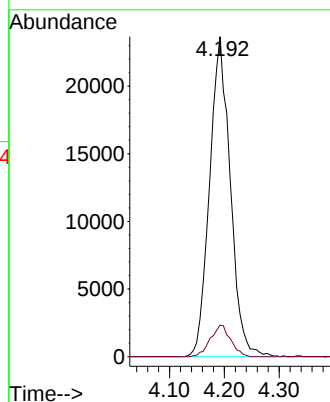
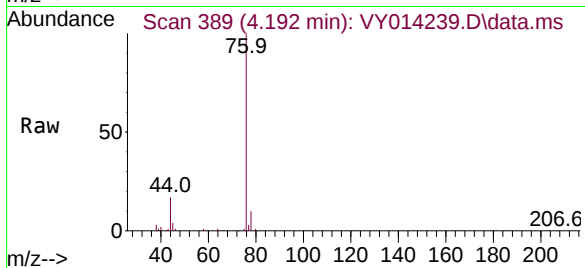
TOTAL-VOC-SB-34-GRAB-7RE

Tgt Ion: 76 Resp: 62065

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.4



#20

Methylene Chloride

Concen: 7.759 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY014239.D

Acq: 19 Jun 2023 19:42

Tgt Ion: 84 Resp: 22271

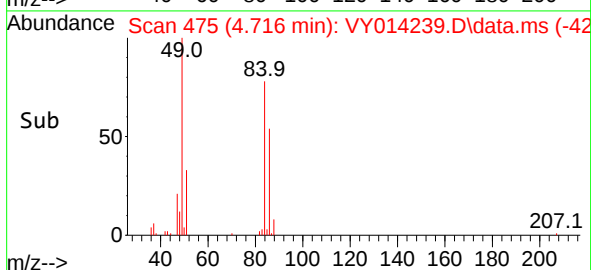
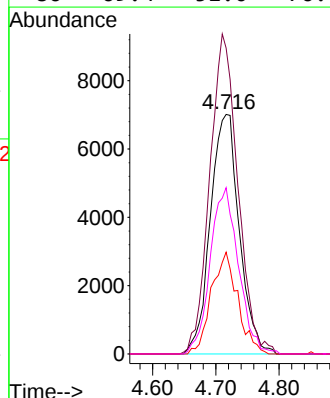
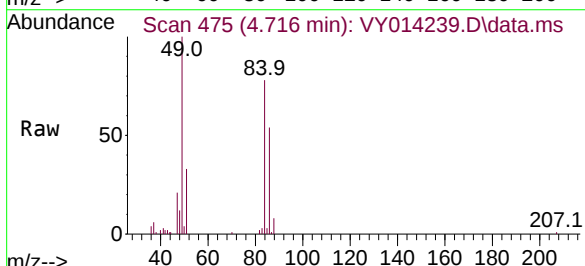
Ion Ratio Lower Upper

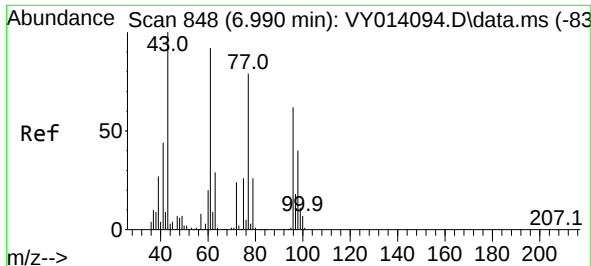
84 100

49 127.7 106.9 160.3

51 42.5 33.2 49.8

86 69.4 51.0 76.6

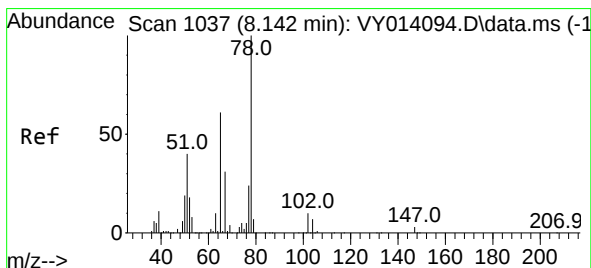
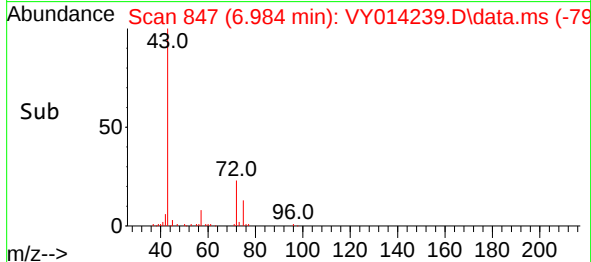
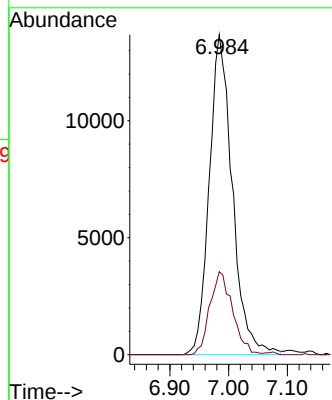
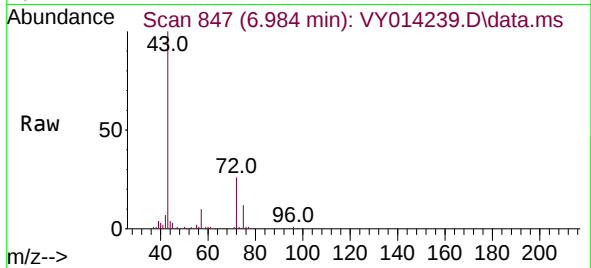




#25
2-Butanone
Concen: 46.827 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

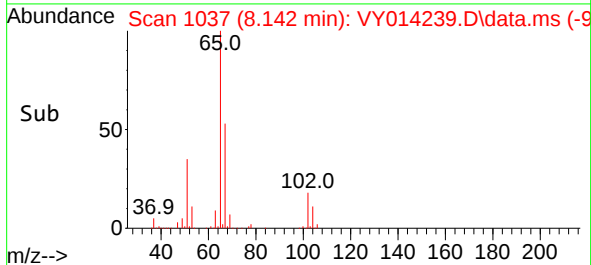
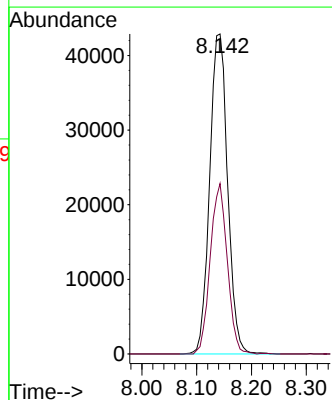
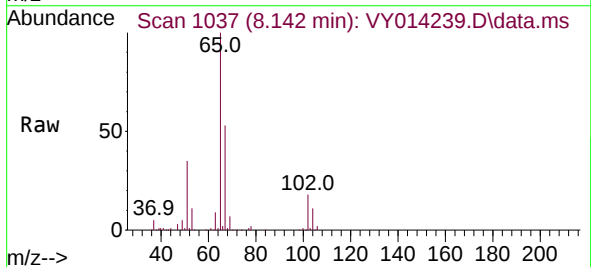
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

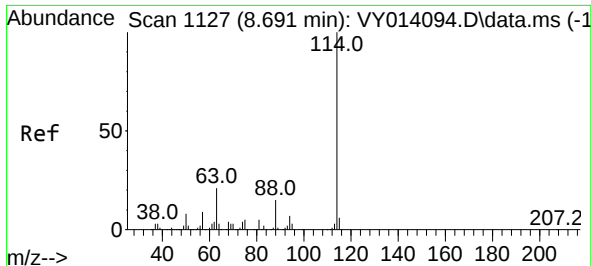
Tgt Ion: 43 Resp: 37275
Ion Ratio Lower Upper
43 100
72 26.0 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 45.278 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion: 65 Resp: 97136
Ion Ratio Lower Upper
65 100
67 50.6 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: VY014239.D

Acq: 19 Jun 2023 19:42

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-34-GRAB-7RE

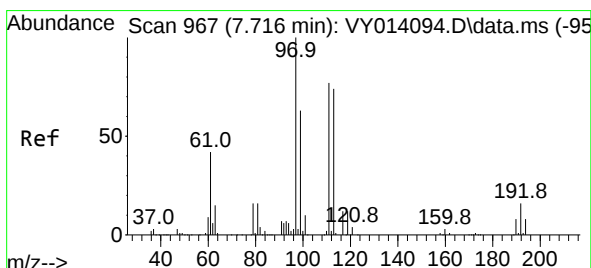
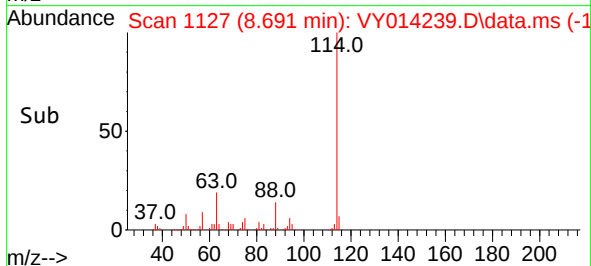
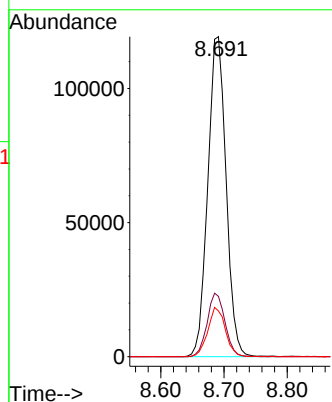
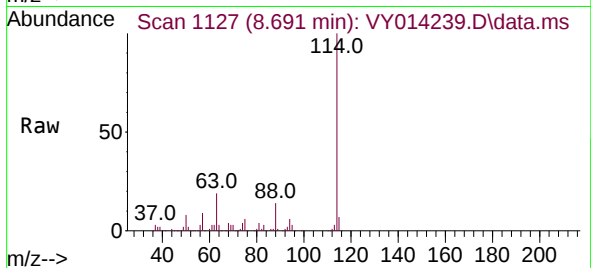
Tgt Ion:114 Resp: 240058

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 17.464 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014239.D

Acq: 19 Jun 2023 19:42

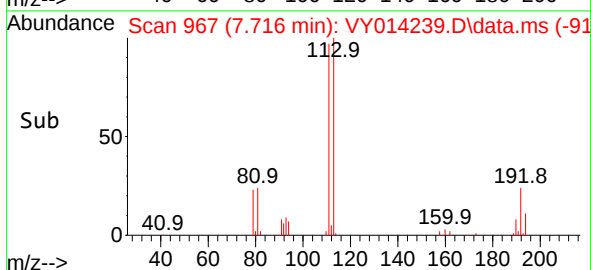
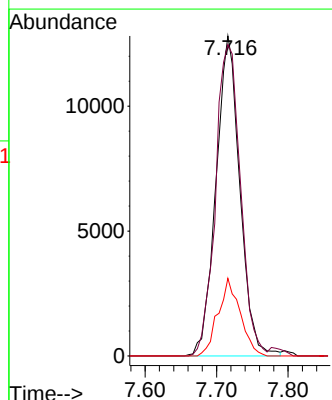
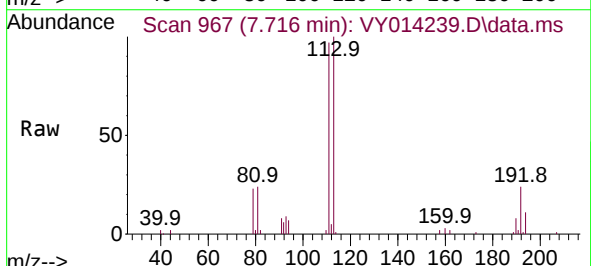
Tgt Ion:113 Resp: 29731

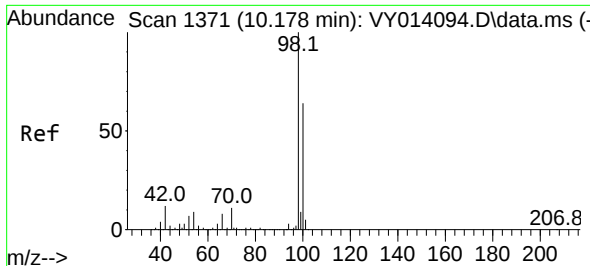
Ion Ratio Lower Upper

113 100

111 101.6 81.3 121.9

192 22.5 16.9 25.3

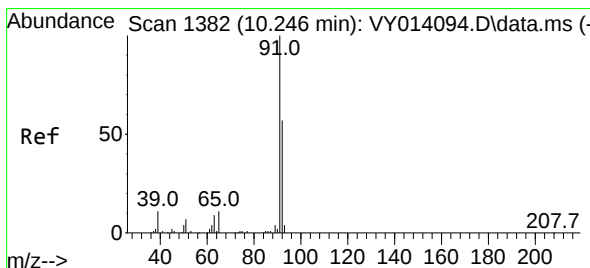
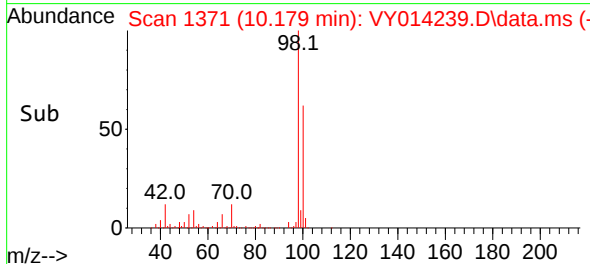
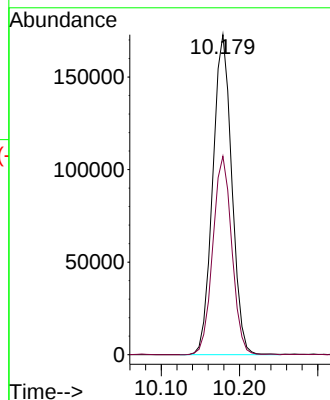
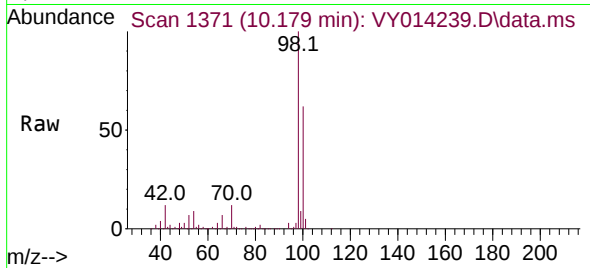




#50
Toluene-d8
Concen: 45.826 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

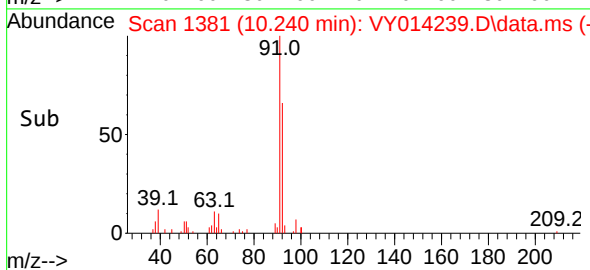
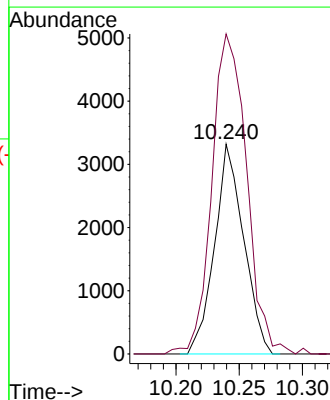
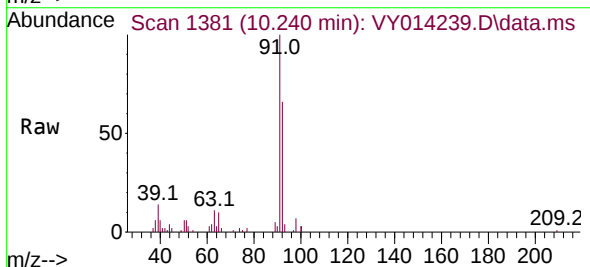
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

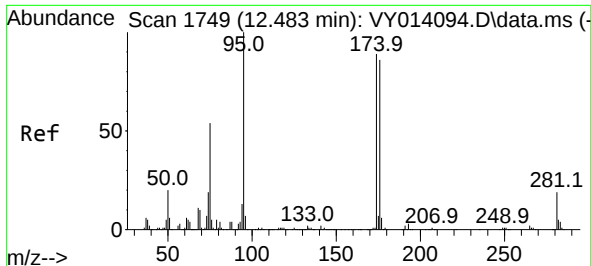
Tgt Ion: 98 Resp: 291672
Ion Ratio Lower Upper
98 100
100 61.8 50.1 75.1



#52
Toluene
Concen: 1.086 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion: 92 Resp: 5312
Ion Ratio Lower Upper
92 100
91 181.6 143.8 215.6

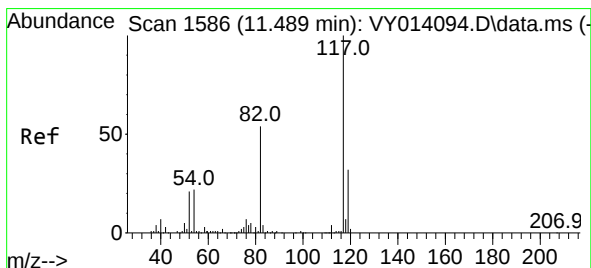
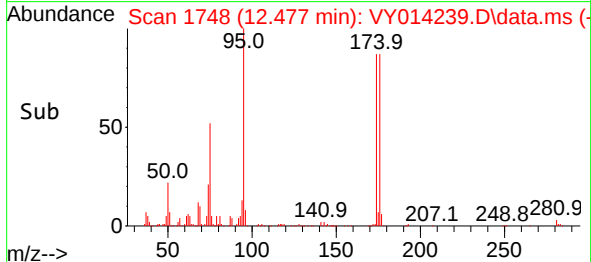
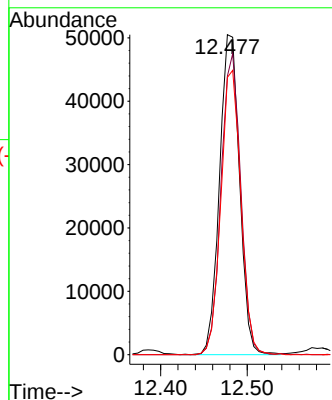
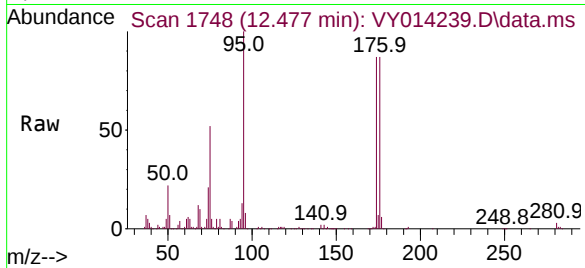




#62
4-Bromofluorobenzene
Concen: 35.832 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

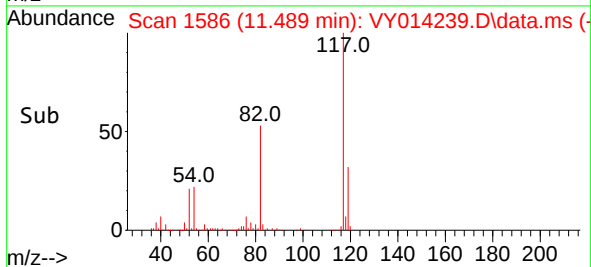
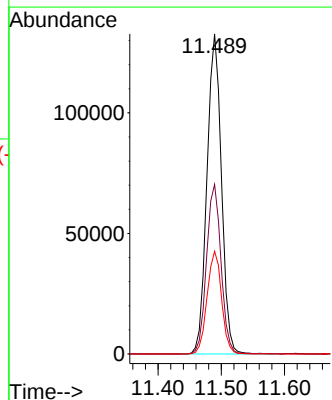
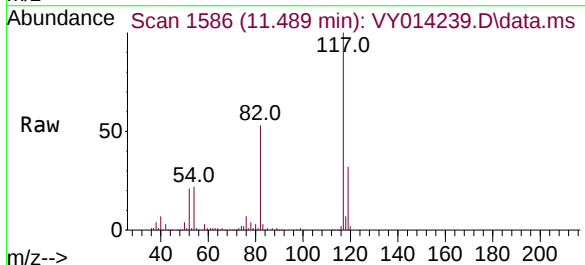
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TOTAL-VOC-SB-34-GRAB-7RE

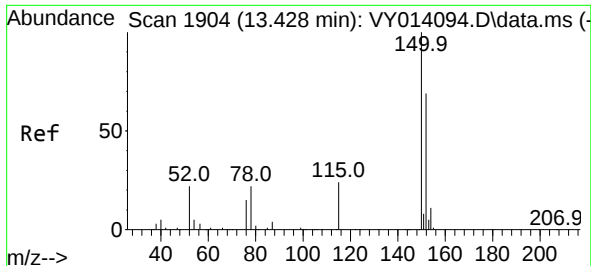
Tgt Ion: 95 Resp: 81015
Ion Ratio Lower Upper
95 100
174 92.4 0.0 178.2
176 89.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion: 117 Resp: 211526
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.1 26.3 39.5

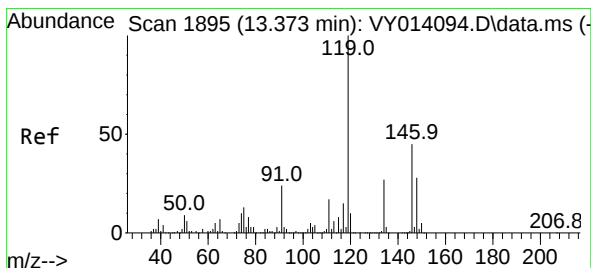
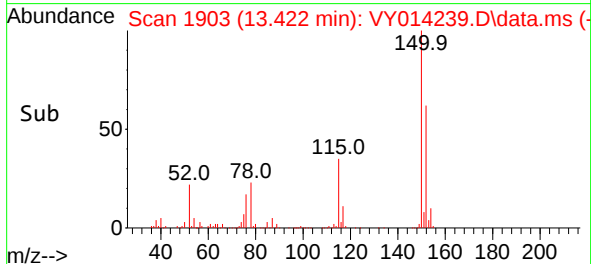
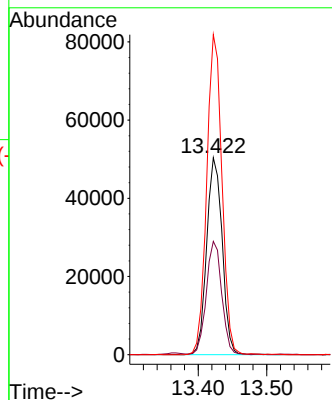
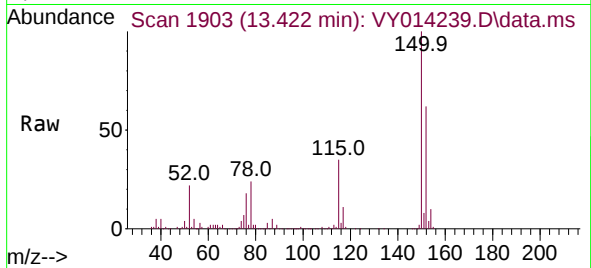




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

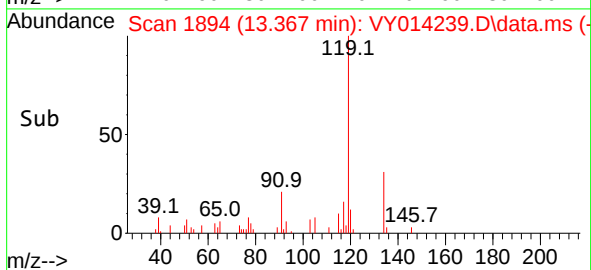
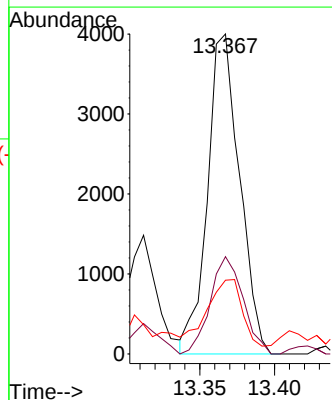
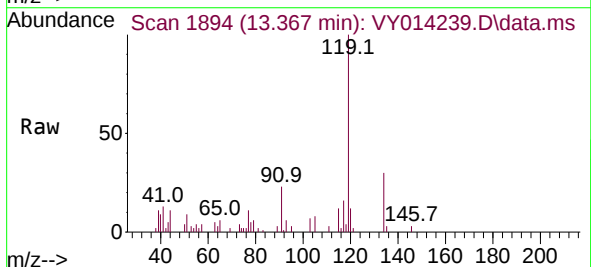
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

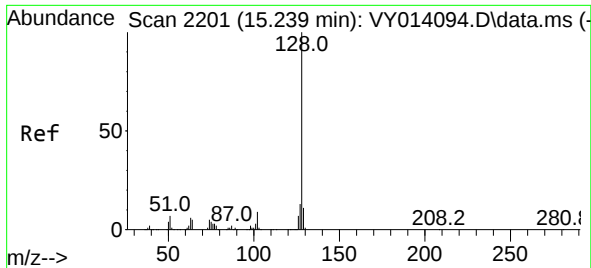
Tgt Ion:152 Resp: 79407
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 159.4 0.0 348.8



#86
p-Isopropyltoluene
Concen: 1.089 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Tgt Ion:119 Resp: 5971
Ion Ratio Lower Upper
119 100
134 31.2 13.3 39.8
91 22.4 12.4 37.4





#95
Naphthalene
Concen: 6.675 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY014239.D
Acq: 19 Jun 2023 19:42

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-34-GRAB-7RE

Tgt Ion:128 Resp: 23432
Ion Ratio Lower Upper
128 100
127 14.3 10.8 16.2
129 11.9 8.6 13.0

