

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014292.D
 Acq On : 20 Jun 2023 18:40
 Operator : KP/MD
 Sample : 03298-14
 Misc : 7.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TP6-09-10S-4

Quant Time: Jun 21 02:09:27 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)

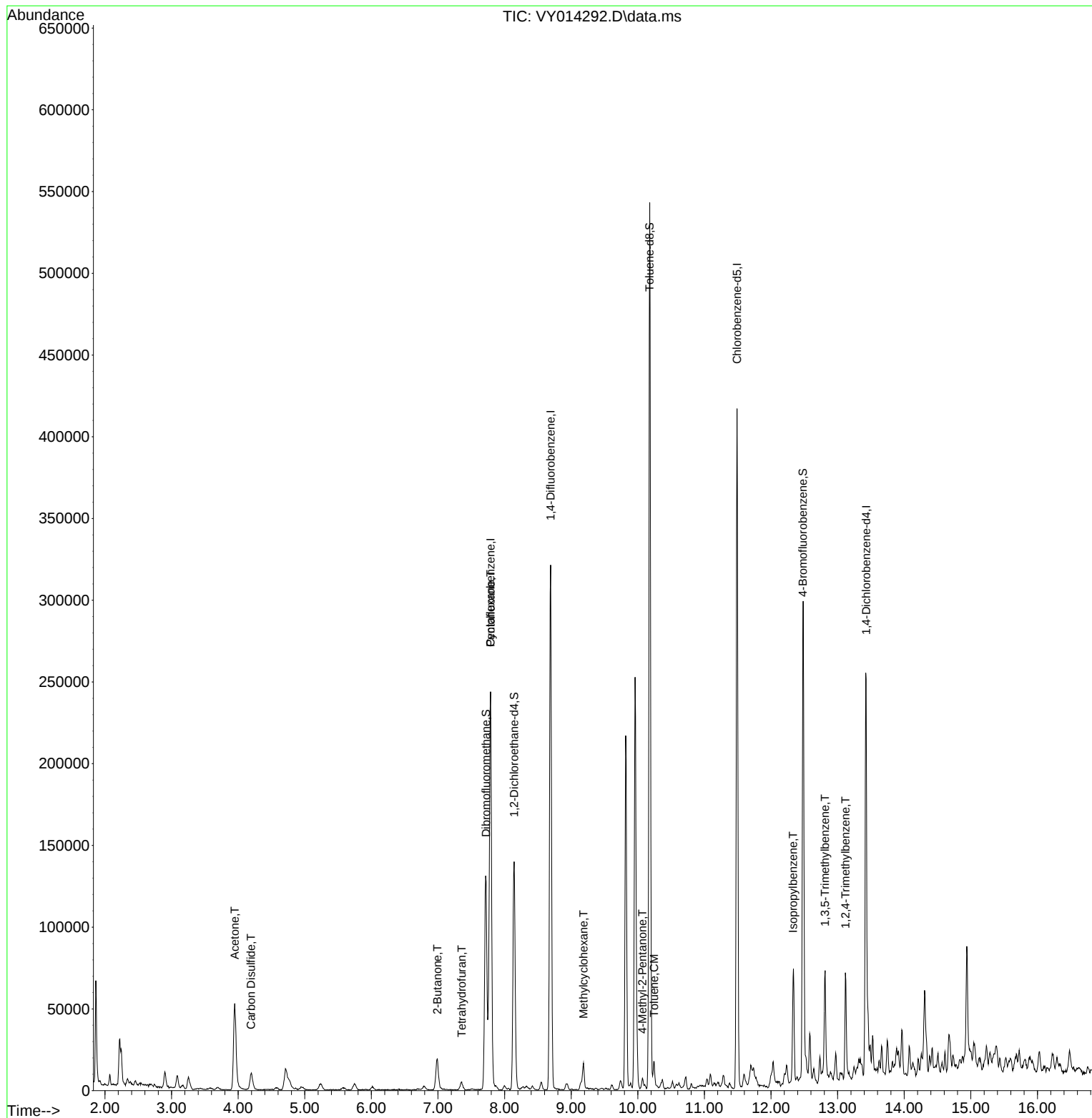
Internal Standards						
1) Pentafluorobenzene	7.789	168	175038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	271016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	115062	47.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.420%
35) Dibromofluoromethane	7.721	113	89603	46.620	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.240%
50) Toluene-d8	10.178	98	340468	47.383	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.760%
62) 4-Bromofluorobenzene	12.477	95	76227	29.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.720%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	91986	125.199	ug/l	99
17) Carbon Disulfide	4.192	76	16741	2.585	ug/l	99
25) 2-Butanone	6.990	43	24256	26.820	ug/l	96
29) Tetrahydrofuran	7.356	42	3103	5.411	ug/l #	83
31) Cyclohexane	7.789	56	11588	3.549	ug/l #	59
39) Methylcyclohexane	9.185	83	5836	1.755	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	4360	2.215	ug/l	94
52) Toluene	10.245	92	5912	1.070	ug/l	99
73) Isopropylbenzene	12.330	105	6486	1.304	ug/l	89
80) 1,3,5-Trimethylbenzene	12.812	105	25856	6.073	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	32284	7.660	ug/l	97

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

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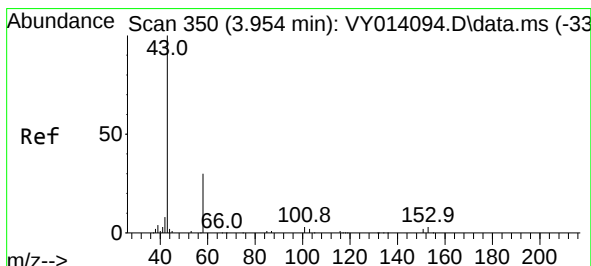
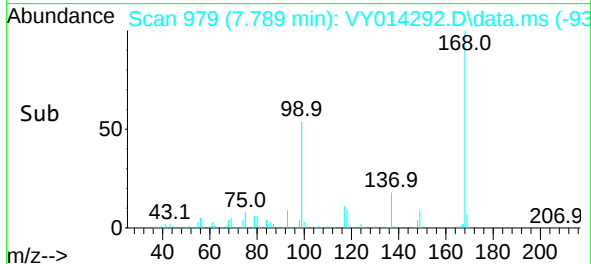
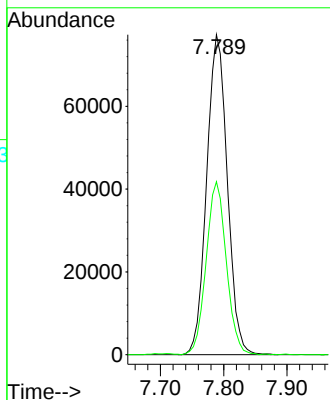
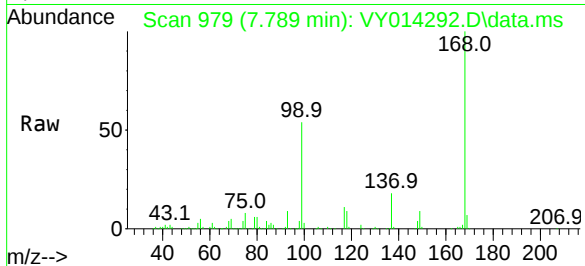




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014292.D
Acq: 20 Jun 2023 18:40

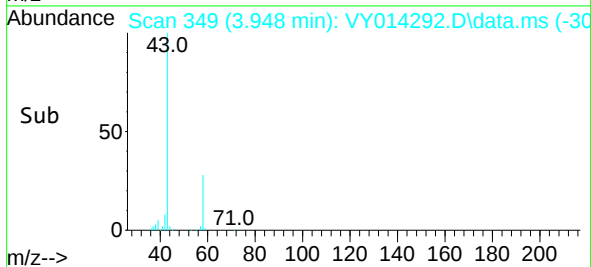
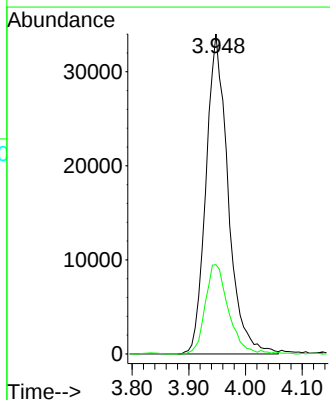
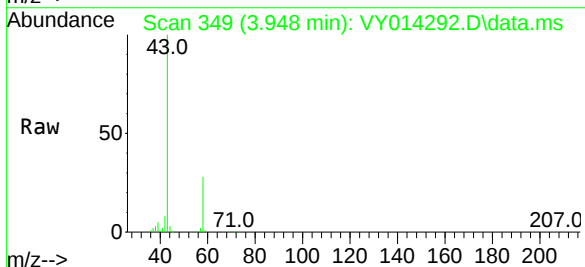
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-09-10S-4

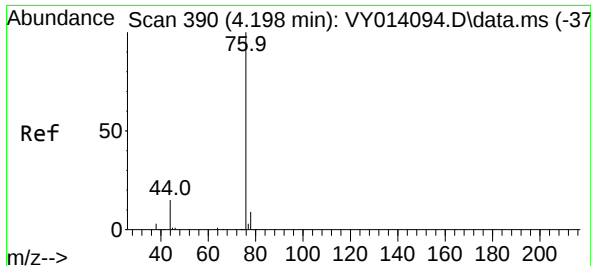
Tgt Ion:168 Resp: 175038
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#16
Acetone
Concen: 125.199 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014292.D
Acq: 20 Jun 2023 18:40

Tgt Ion: 43 Resp: 91986
Ion Ratio Lower Upper
43 100
58 27.9 22.7 34.1





#17

Carbon Disulfide

Concen: 2.585 ug/l

RT: 4.192 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY014292.D

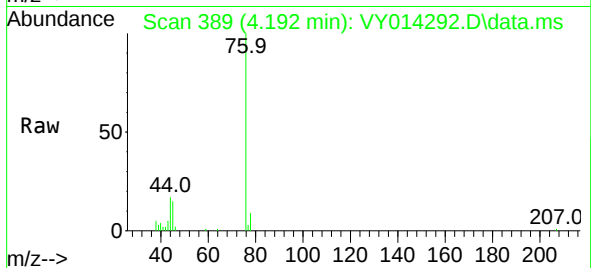
Acq: 20 Jun 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-09-10S-4

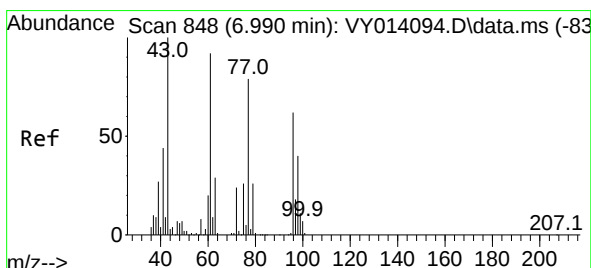
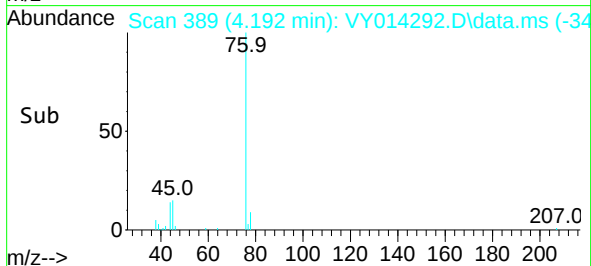
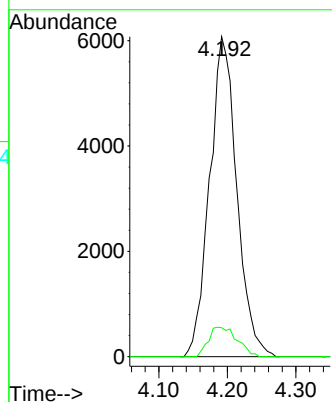


Tgt Ion: 76 Resp: 16741

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



#25

2-Butanone

Concen: 26.820 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY014292.D

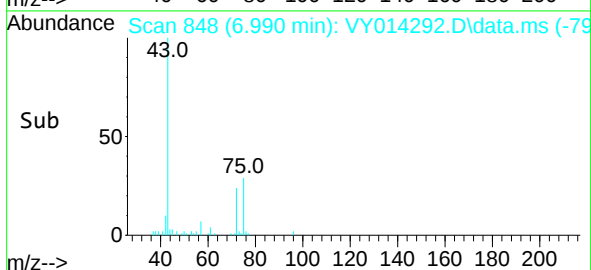
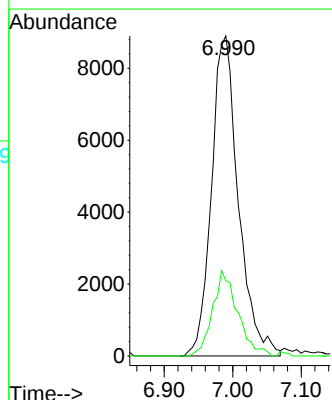
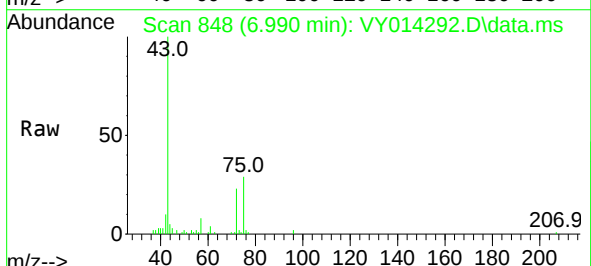
Acq: 20 Jun 2023 18:40

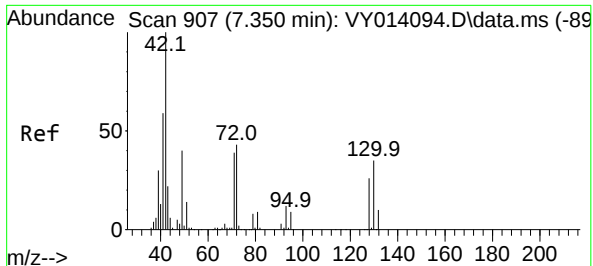
Tgt Ion: 43 Resp: 24256

Ion Ratio Lower Upper

43 100

72 23.5 20.5 30.7





#29

Tetrahydrofuran

Concen: 5.411 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014292.D

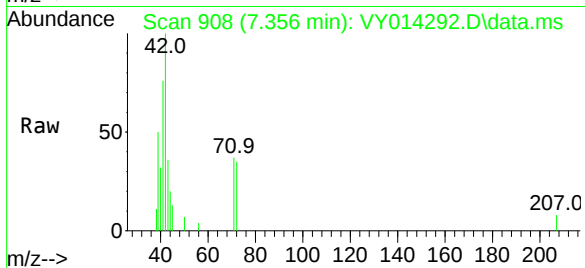
Acq: 20 Jun 2023 18:40

Instrument :

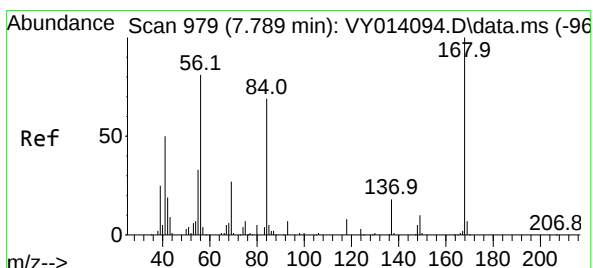
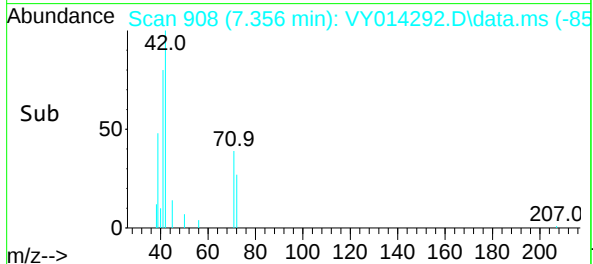
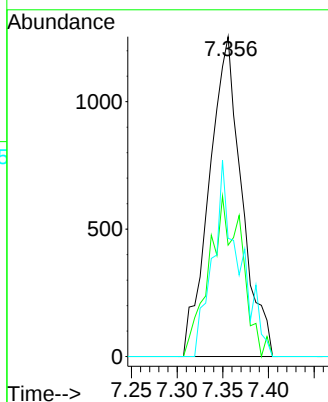
MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-09-10S-4



Tgt Ion:	42	Resp:	3103
Ion	Ratio	Lower	Upper
42	100		
72	50.8	32.8	49.2#
71	49.3	31.0	46.4#



#31

Cyclohexane

Concen: 3.549 ug/l

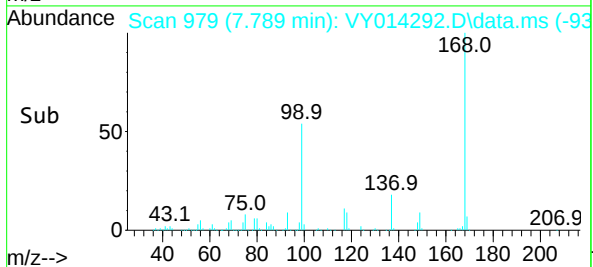
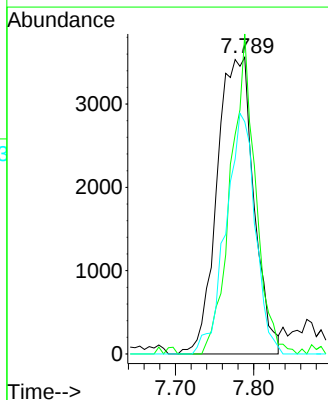
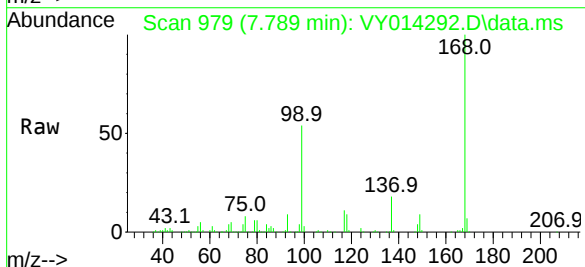
RT: 7.789 min Scan# 979

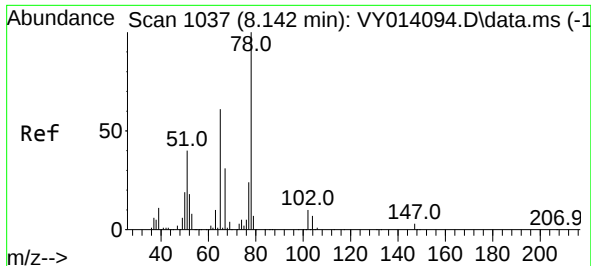
Delta R.T. -0.000 min

Lab File: VY014292.D

Acq: 20 Jun 2023 18:40

Tgt Ion:	56	Resp:	11588
Ion	Ratio	Lower	Upper
56	100		
69	107.9	27.8	41.6#
84	78.2	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 47.206 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014292.D

Acq: 20 Jun 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

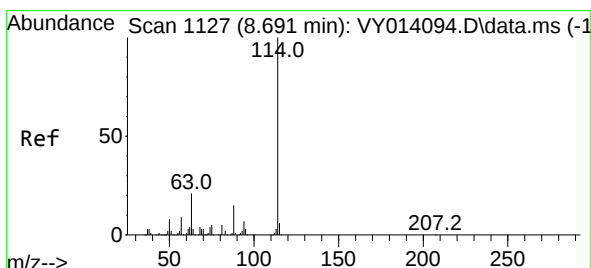
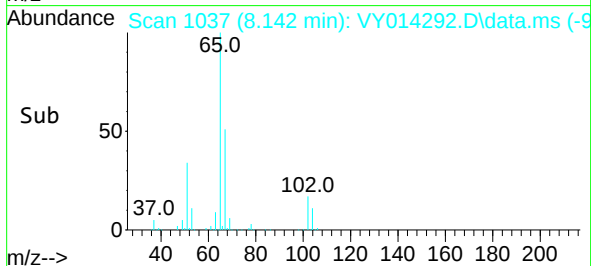
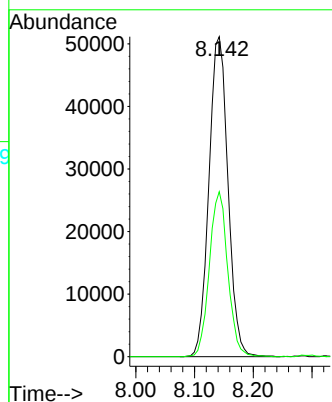
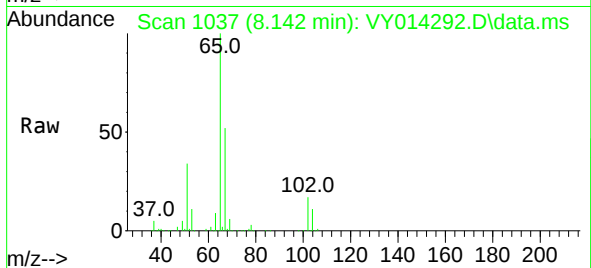
TOTAL-VOC-TP6-09-10S-4

Tgt Ion: 65 Resp: 115062

Ion Ratio Lower Upper

65 100

67 49.9 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: VY014292.D

Acq: 20 Jun 2023 18:40

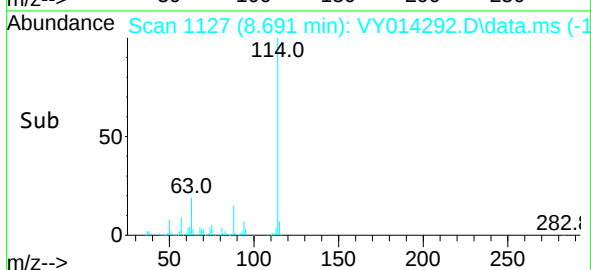
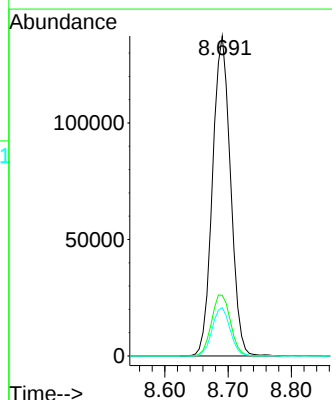
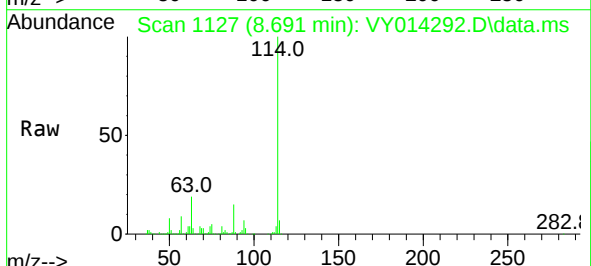
Tgt Ion: 114 Resp: 271016

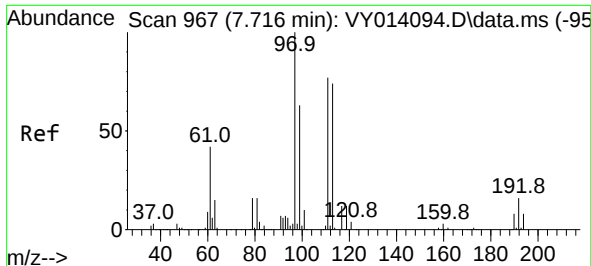
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.1 0.0 30.6

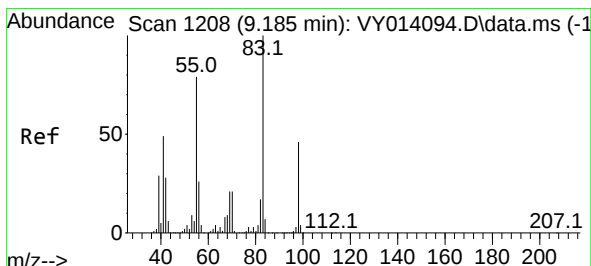
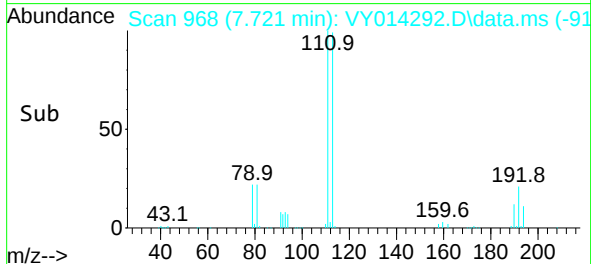
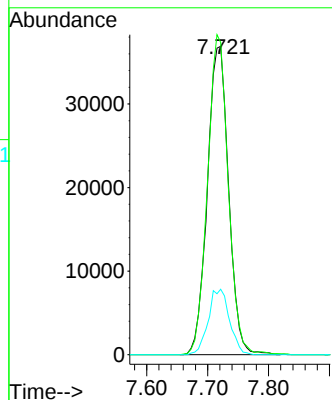
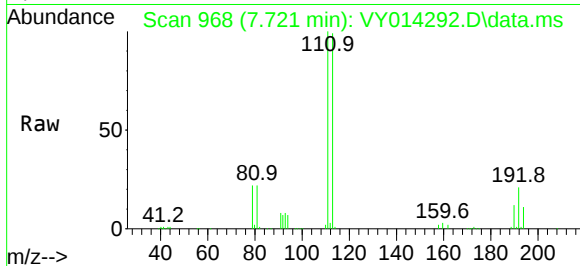




#35
Dibromofluoromethane
Concen: 46.620 ug/l
RT: 7.721 min Scan# 91
Delta R.T. 0.005 min
Lab File: VY014292.D
Acq: 20 Jun 2023 18:40

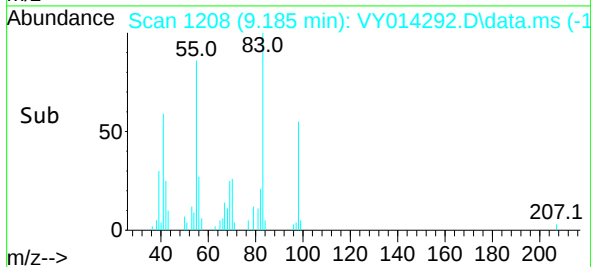
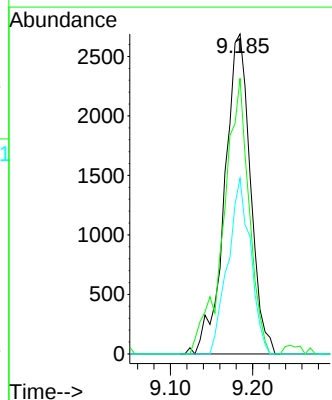
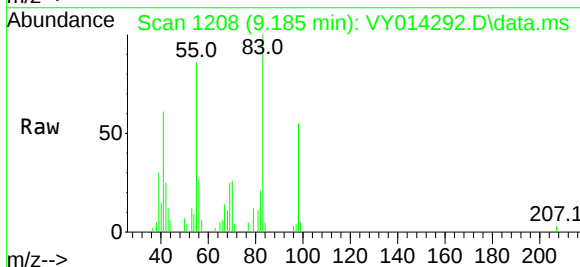
Instrument :
MSVOA_Y
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TOTAL-VOC-TP6-09-10S-4

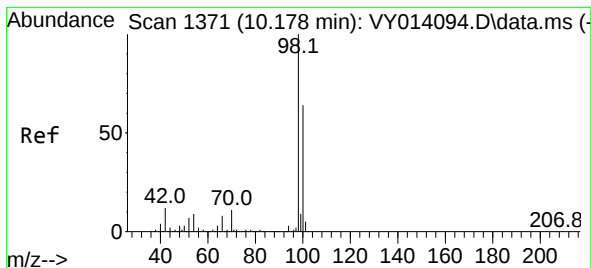
Tgt Ion:113 Resp: 89603
Ion Ratio Lower Upper
113 100
111 101.2 81.3 121.9
192 21.2 16.9 25.3



#39
Methylcyclohexane
Concen: 1.755 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY014292.D
Acq: 20 Jun 2023 18:40

Tgt Ion: 83 Resp: 5836
Ion Ratio Lower Upper
83 100
55 86.1 63.0 94.4
98 54.9 37.4 56.2





#50

Toluene-d8

Concen: 47.383 ug/l

RT: 10.178 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014292.D

Acq: 20 Jun 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

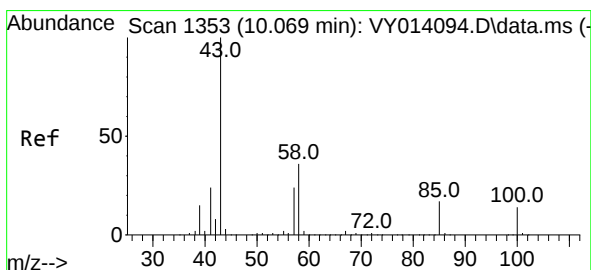
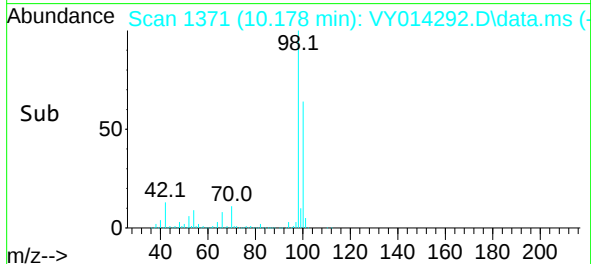
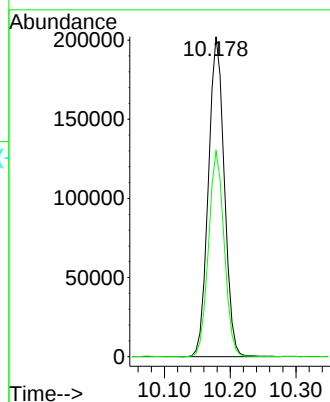
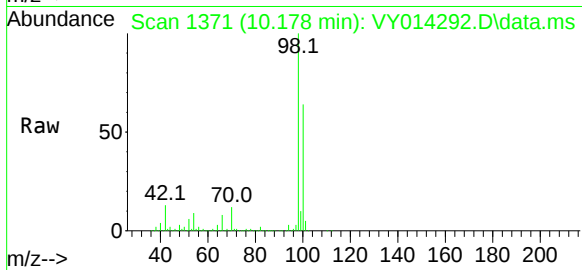
TOTAL-VOC-TP6-09-10S-4

Tgt Ion: 98 Resp: 340468

Ion Ratio Lower Upper

98 100

100 63.3 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 2.215 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. -0.000 min

Lab File: VY014292.D

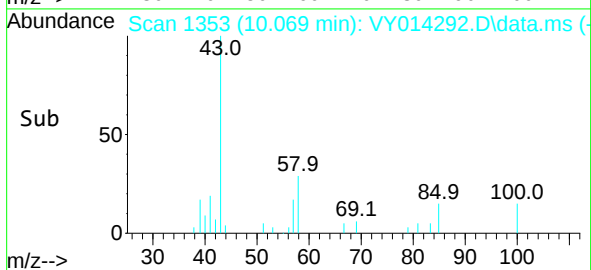
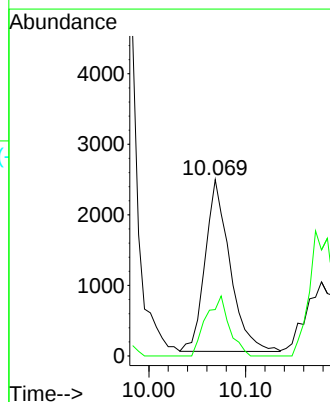
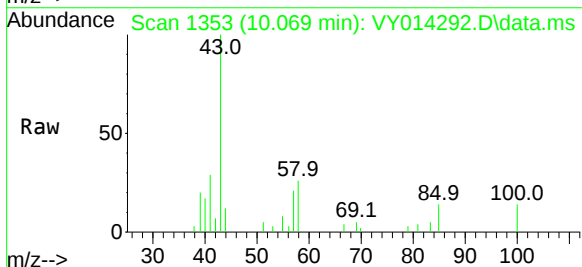
Acq: 20 Jun 2023 18:40

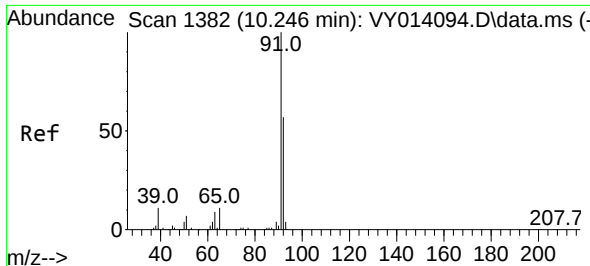
Tgt Ion: 43 Resp: 4360

Ion Ratio Lower Upper

43 100

58 32.6 29.0 43.6

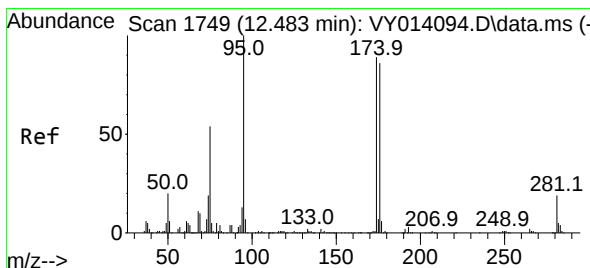
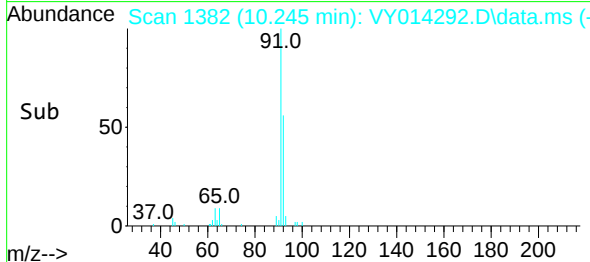
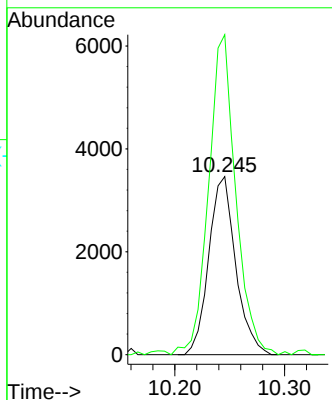
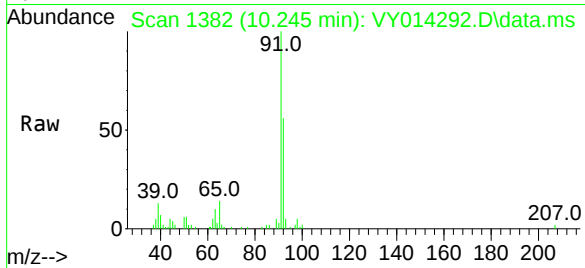




#52
Toluene
Concen: 1.070 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. -0.001 min
Lab File: VY014292.D
Acq: 20 Jun 2023 18:40

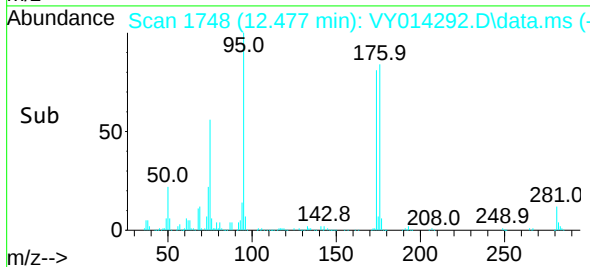
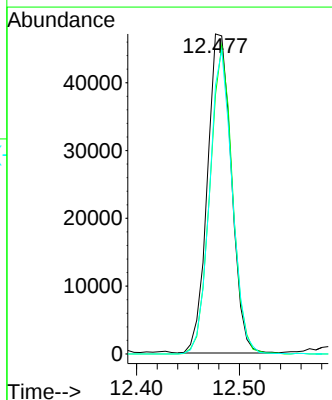
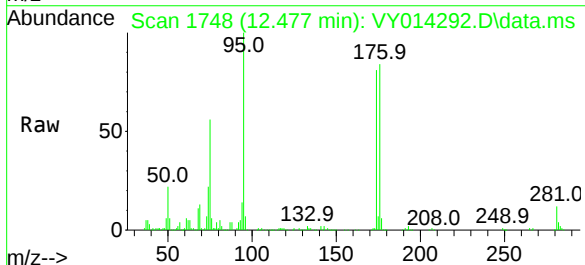
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-09-10S-4

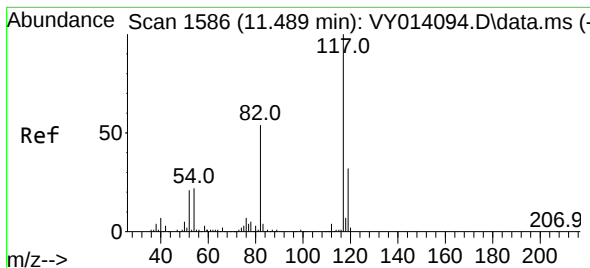
Tgt Ion: 92 Resp: 5912
Ion Ratio Lower Upper
92 100
91 181.1 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 29.864 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014292.D
Acq: 20 Jun 2023 18:40

Tgt Ion: 95 Resp: 76227
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.2
176 89.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014292.D

Acq: 20 Jun 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-09-10S-4

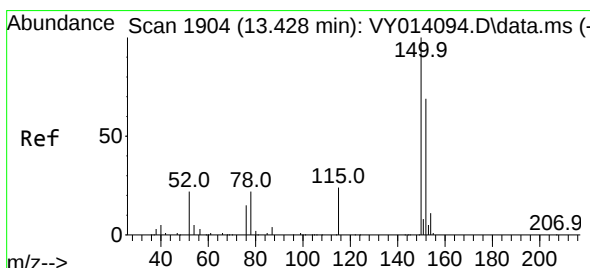
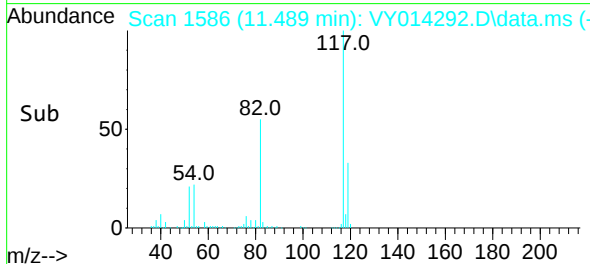
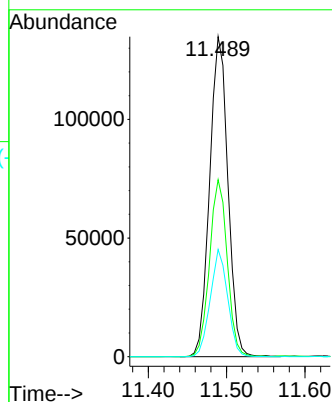
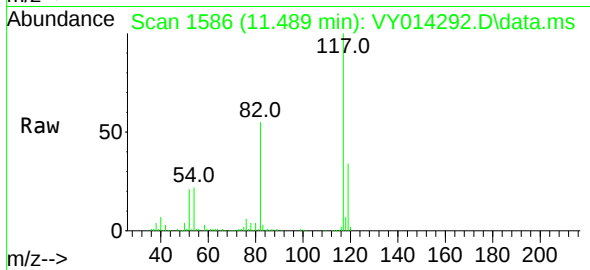
Tgt Ion:117 Resp: 218252

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.0

119 33.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY014292.D

Acq: 20 Jun 2023 18:40

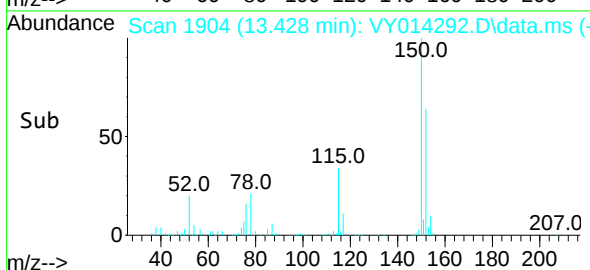
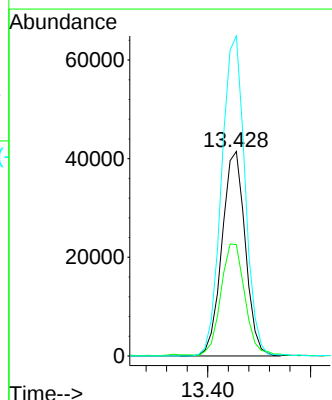
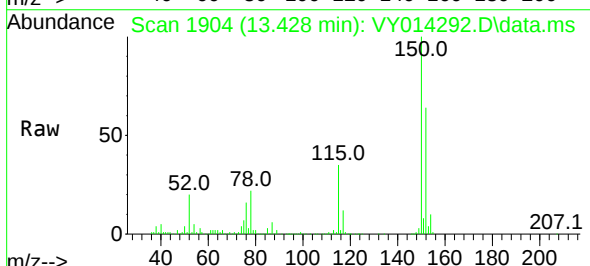
Tgt Ion:152 Resp: 65185

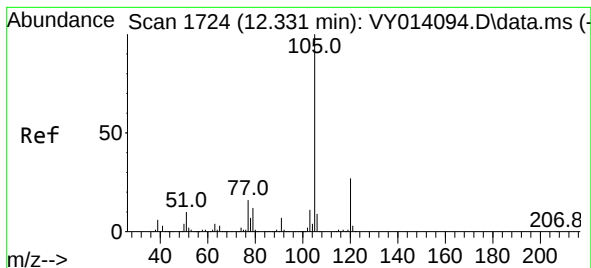
Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 157.4 0.0 348.8





#73

Isopropylbenzene

Concen: 1.304 ug/l

RT: 12.330 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY014292.D

Acq: 20 Jun 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

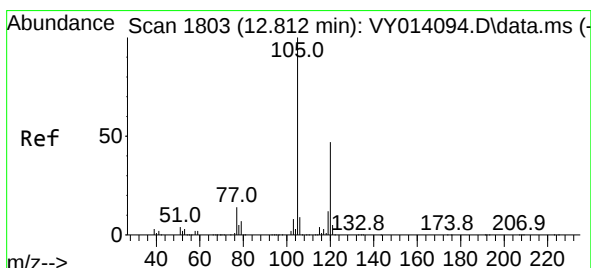
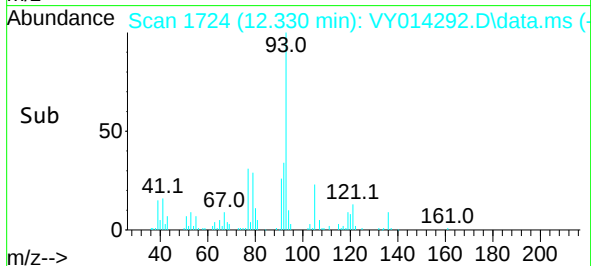
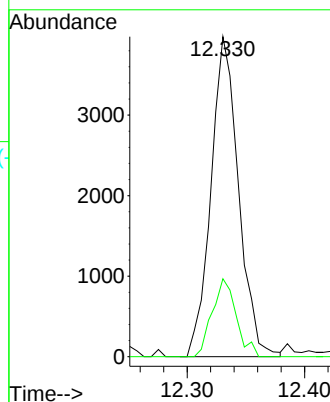
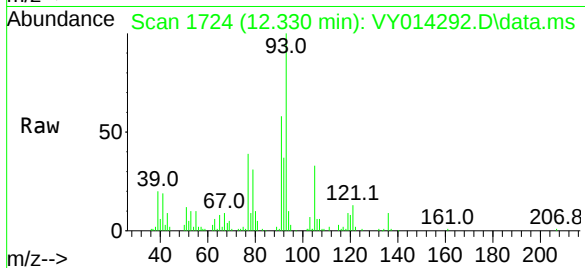
TOTAL-VOC-TP6-09-10S-4

Tgt Ion:105 Resp: 6486

Ion Ratio Lower Upper

105 100

120 21.2 13.3 39.9



#80

1,3,5-Trimethylbenzene

Concen: 6.073 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY014292.D

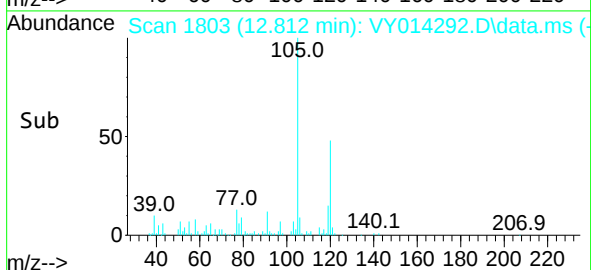
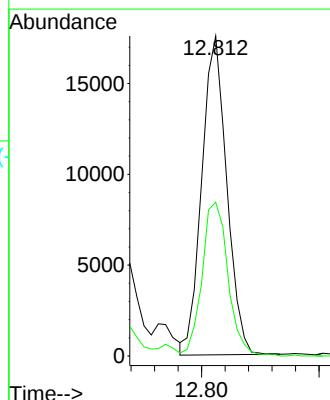
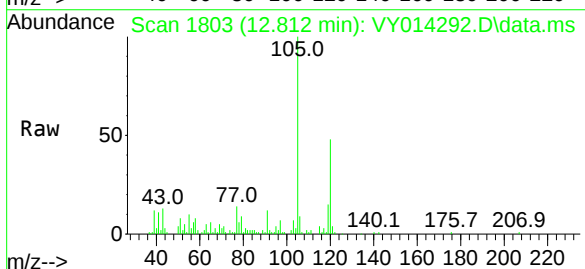
Acq: 20 Jun 2023 18:40

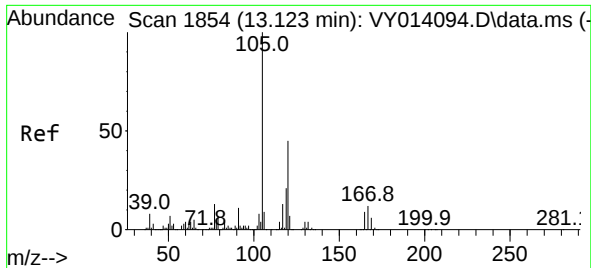
Tgt Ion:105 Resp: 25856

Ion Ratio Lower Upper

105 100

120 50.2 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 7.660 ug/l

RT: 13.117 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014292.D

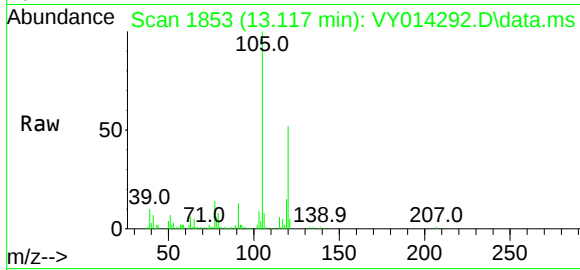
Acq: 20 Jun 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-09-10S-4



Tgt Ion:105 Resp: 32284

Ion Ratio Lower Upper

105 100

120 46.2 22.2 66.6

