

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014291.D
 Acq On : 20 Jun 2023 18:17
 Operator : KP/MD
 Sample : 03298-13
 Misc : 8.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TP6-07-5N-4

Quant Time: Jun 21 02:09:16 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	174393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	273943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	237552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90565	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	115893	47.723	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.440%
35) Dibromofluoromethane	7.716	113	91302	46.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.000%
50) Toluene-d8	10.179	98	330936	45.564	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.120%
62) 4-Bromofluorobenzene	12.483	95	93575	36.268	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.540%

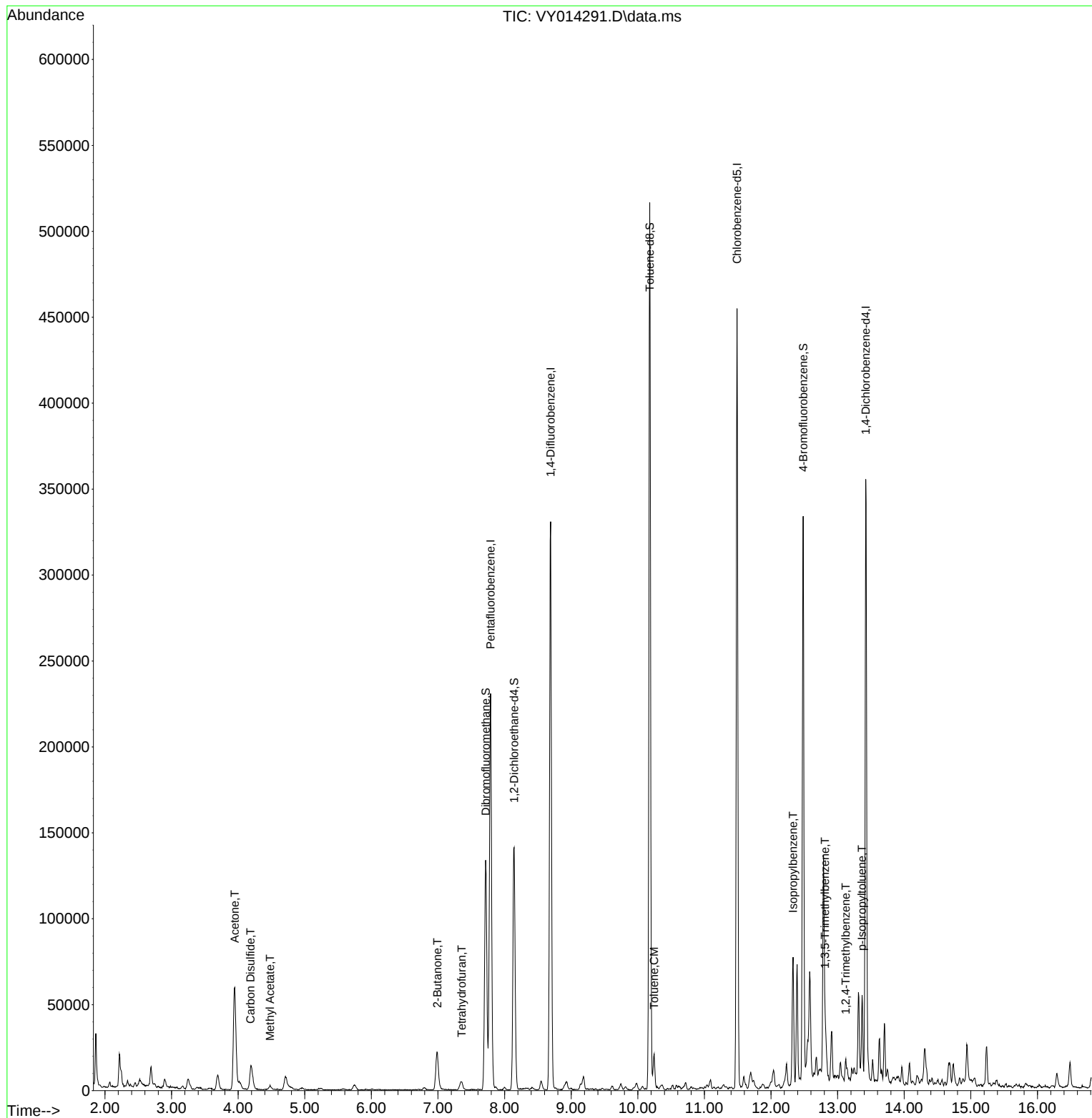
Target Compounds						Qvalue
16) Acetone	3.948	43	107910	147.416	ug/l	96
17) Carbon Disulfide	4.186	76	20539	3.183	ug/l	99
18) Methyl Acetate	4.478	43	3750	1.320	ug/l	95
25) 2-Butanone	6.990	43	29812	33.085	ug/l	99
29) Tetrahydrofuran	7.356	42	3277	5.735	ug/l #	92
52) Toluene	10.246	92	7852	1.406	ug/l	98
73) Isopropylbenzene	12.331	105	41157	5.957	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	6110	1.033	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	7231	1.235	ug/l	97
86) p-Isopropyltoluene	13.367	119	25885	4.138	ug/l	97

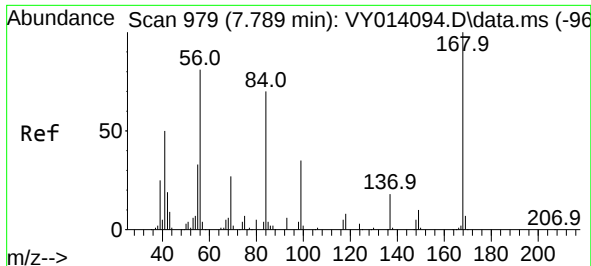
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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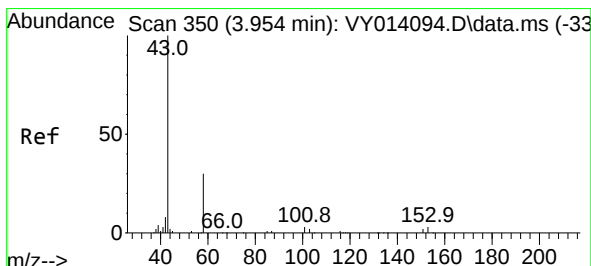
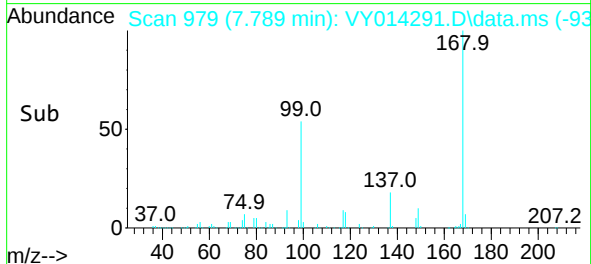
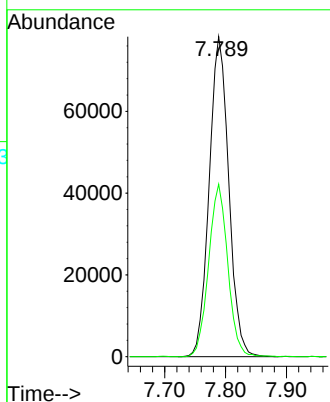
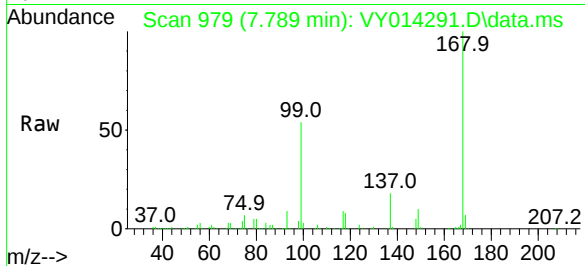




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

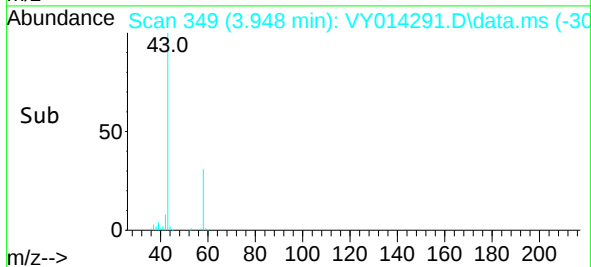
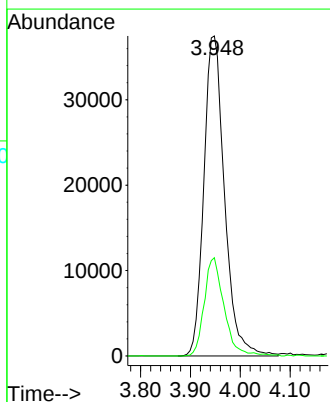
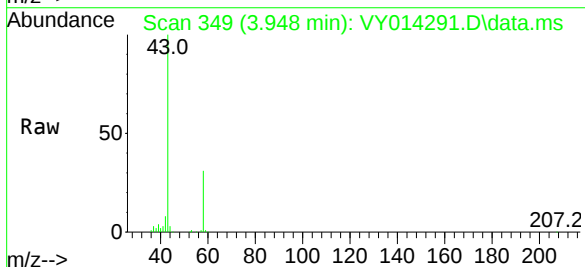
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

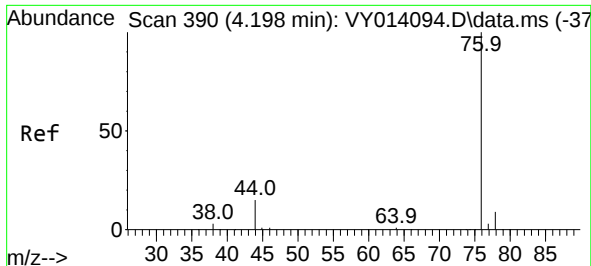
Tgt Ion:168 Resp: 174393
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#16
Acetone
Concen: 147.416 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 43 Resp: 107910
Ion Ratio Lower Upper
43 100
58 30.7 22.7 34.1

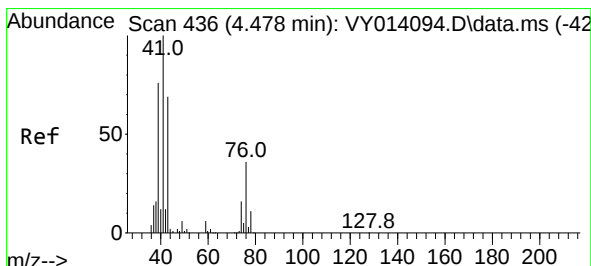
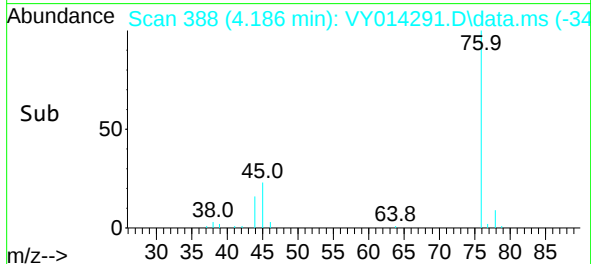
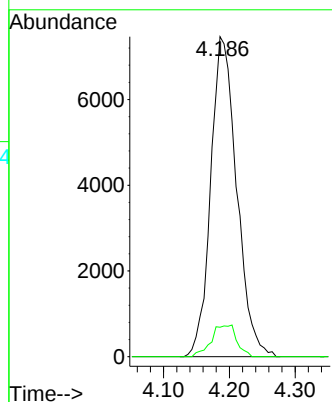
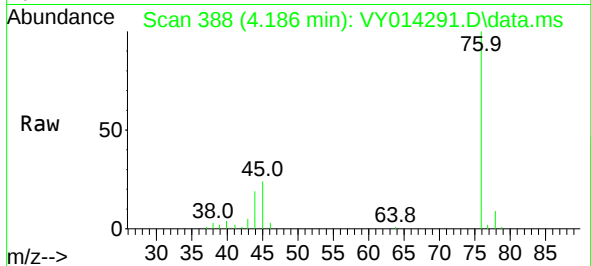




#17
Carbon Disulfide
Concen: 3.183 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

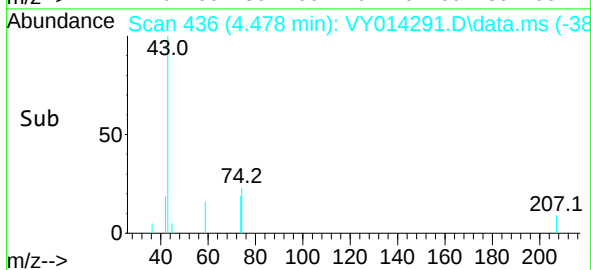
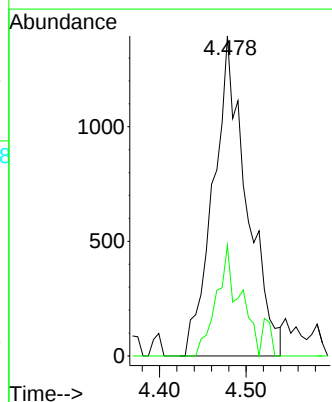
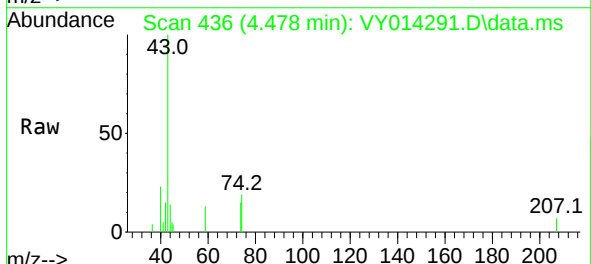
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

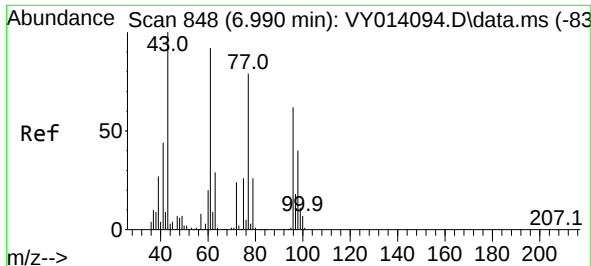
Tgt Ion: 76 Resp: 20539
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 1.320 ug/l
RT: 4.478 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 43 Resp: 3750
Ion Ratio Lower Upper
43 100
74 24.1 17.4 26.0

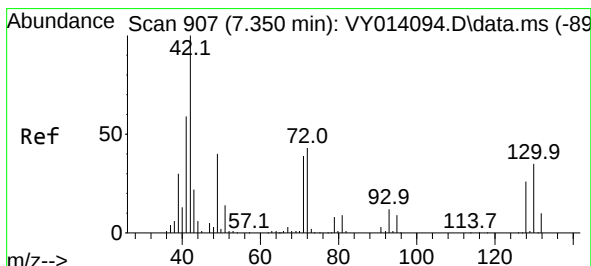
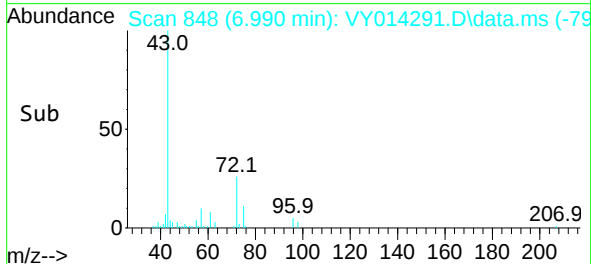
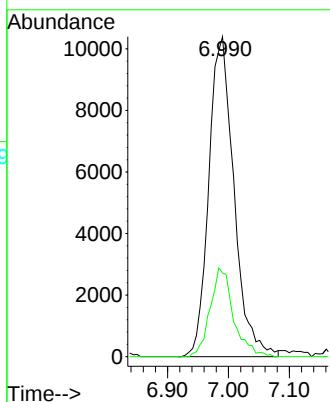
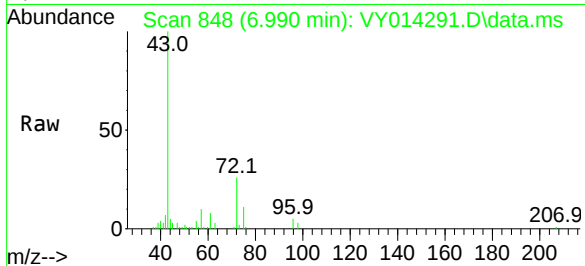




#25
2-Butanone
Concen: 33.085 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

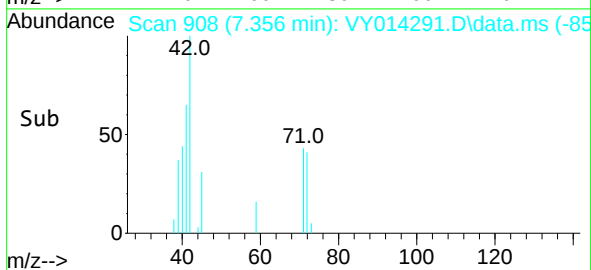
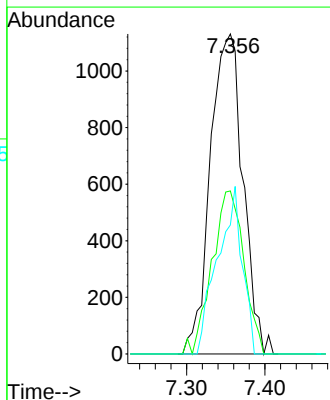
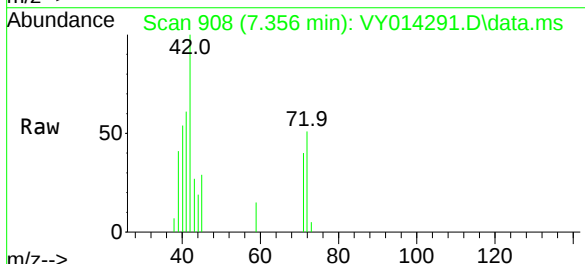
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

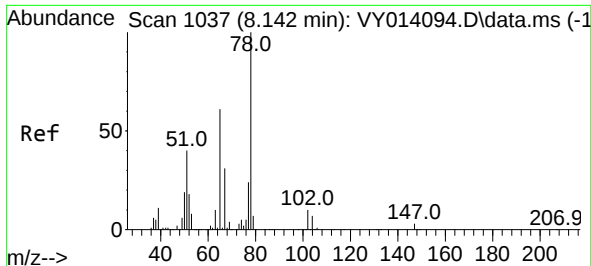
Tgt Ion: 43 Resp: 29812
Ion Ratio Lower Upper
43 100
72 26.2 20.5 30.7



#29
Tetrahydrofuran
Concen: 5.735 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 42 Resp: 3277
Ion Ratio Lower Upper
42 100
72 49.6 32.8 49.2#
71 39.4 31.0 46.4



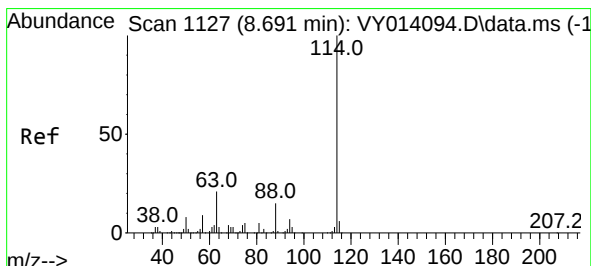
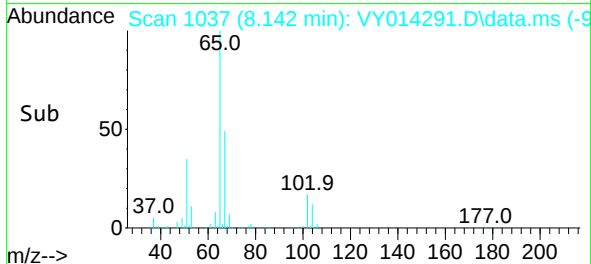
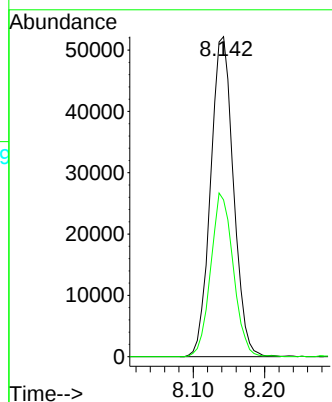
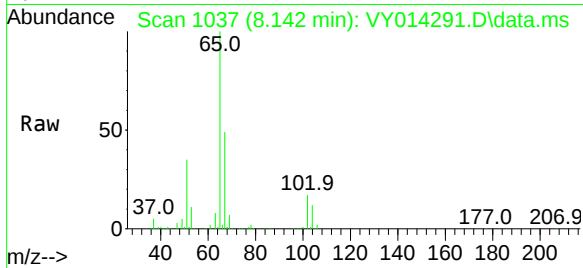


#33
 1,2-Dichloroethane-d4
 Concen: 47.723 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY014291.D
 Acq: 20 Jun 2023 18:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TP6-07-5N-4

Tgt Ion: 65 Resp: 115893

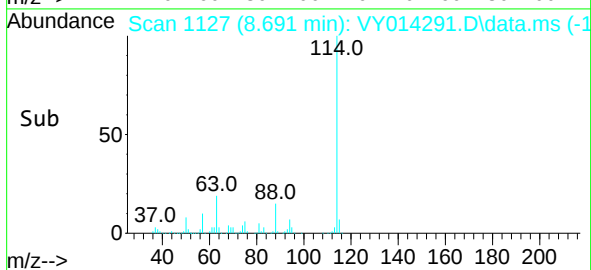
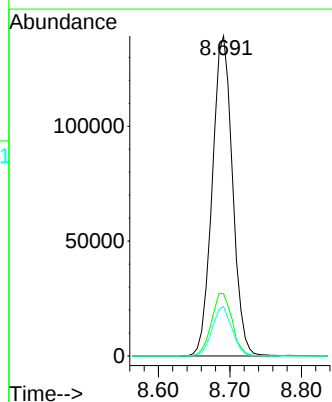
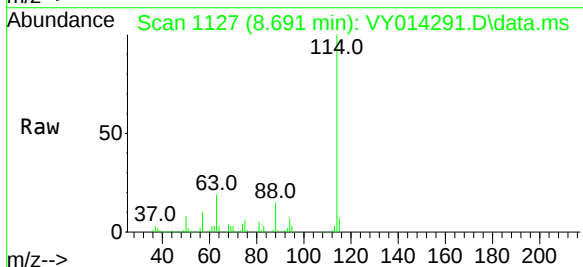
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.8

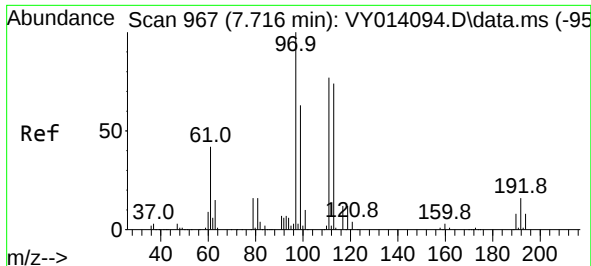


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014291.D
 Acq: 20 Jun 2023 18:17

Tgt Ion: 114 Resp: 273943

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	42.4
88	15.4	0.0	30.6

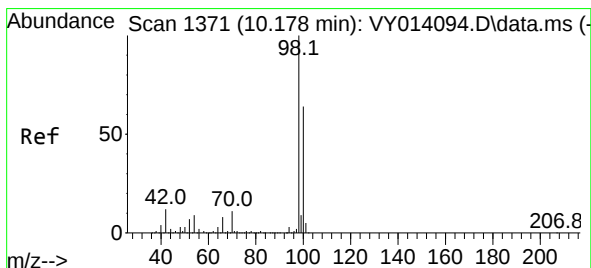
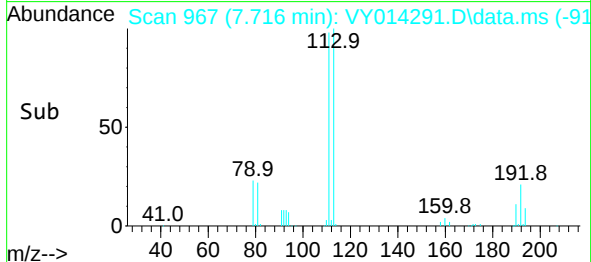
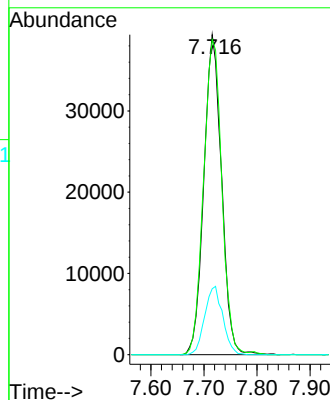
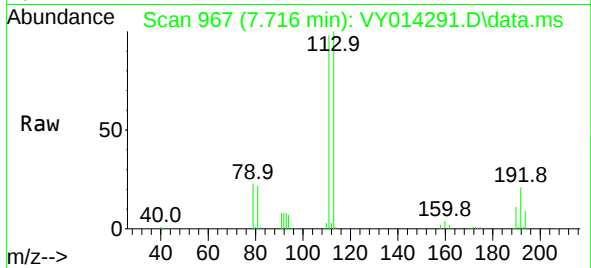




#35
Dibromofluoromethane
Concen: 46.996 ug/l
RT: 7.716 min Scan# 913
Delta R.T. -0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

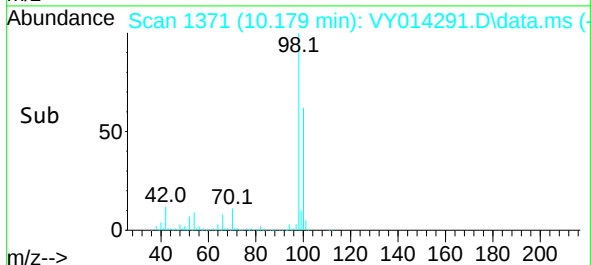
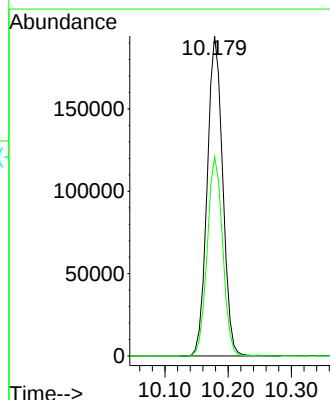
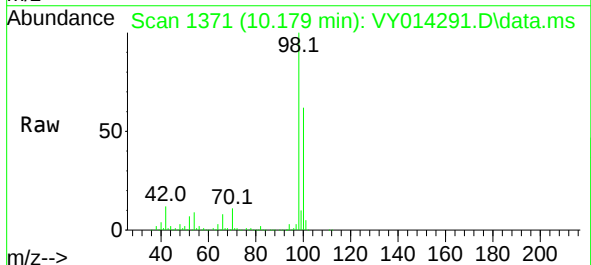
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

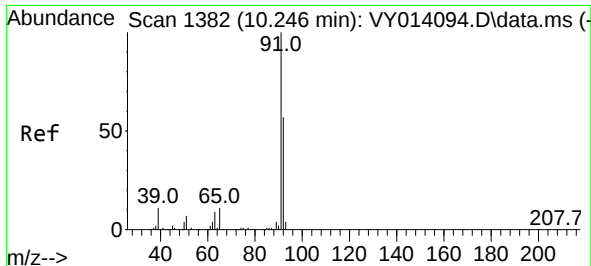
Tgt Ion:113 Resp: 91302
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 21.7 16.9 25.3



#50
Toluene-d8
Concen: 45.564 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 98 Resp: 330936
Ion Ratio Lower Upper
98 100
100 61.9 50.1 75.1

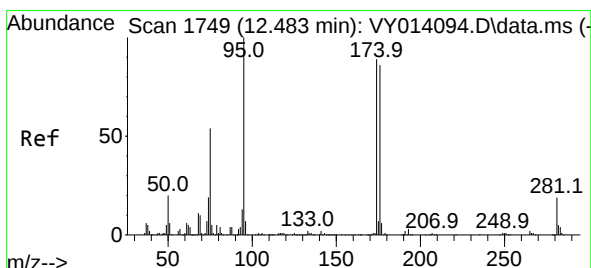
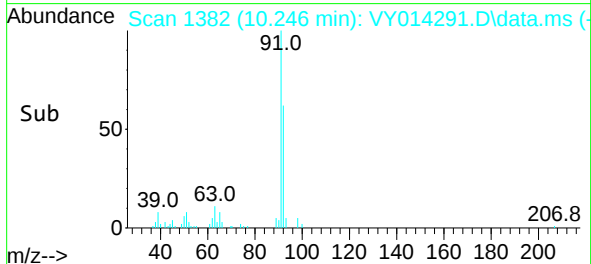
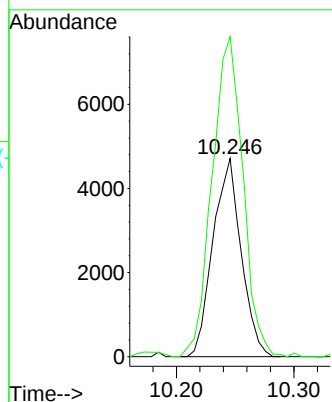
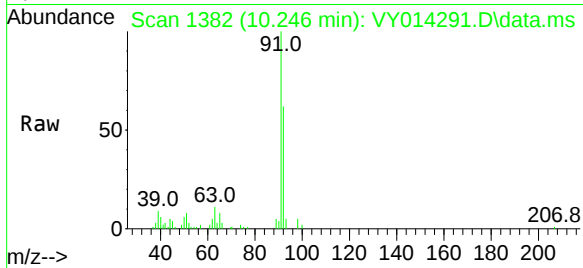




#52
Toluene
Concen: 1.406 ug/l
RT: 10.246 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

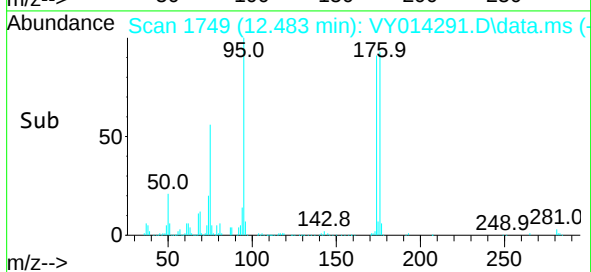
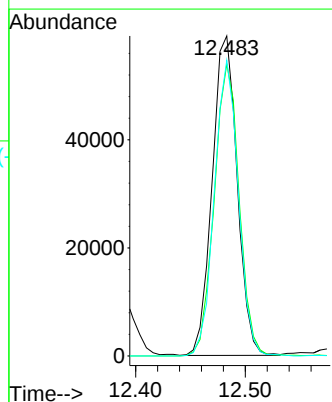
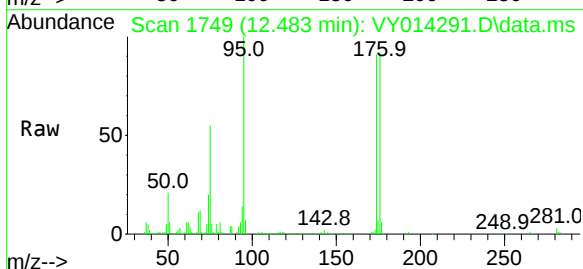
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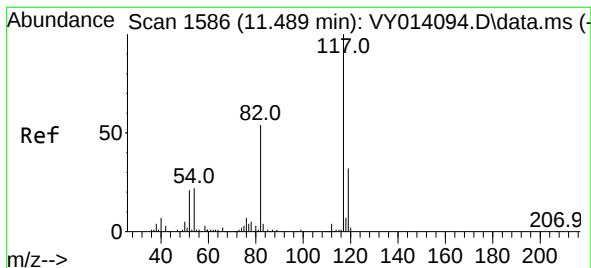
Tgt Ion: 92 Resp: 7852
Ion Ratio Lower Upper
92 100
91 176.5 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 36.268 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 95 Resp: 93575
Ion Ratio Lower Upper
95 100
174 91.1 0.0 178.2
176 89.0 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: VY014291.D

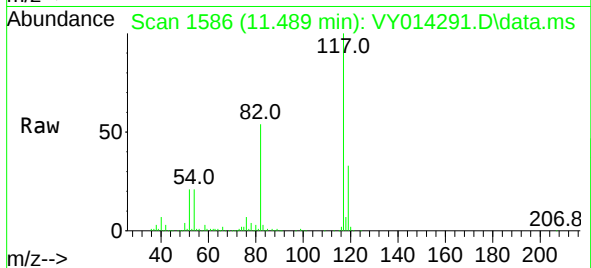
Acq: 20 Jun 2023 18:17

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-07-5N-4



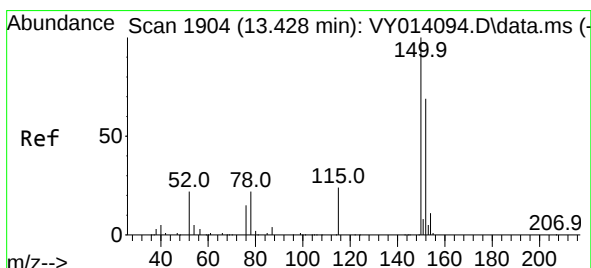
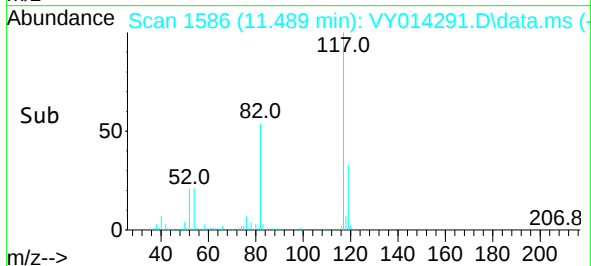
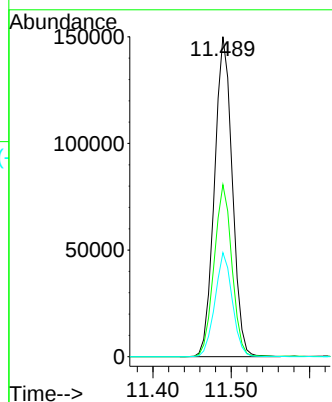
Tgt Ion:117 Resp: 237552

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 32.5 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: VY014291.D

Acq: 20 Jun 2023 18:17

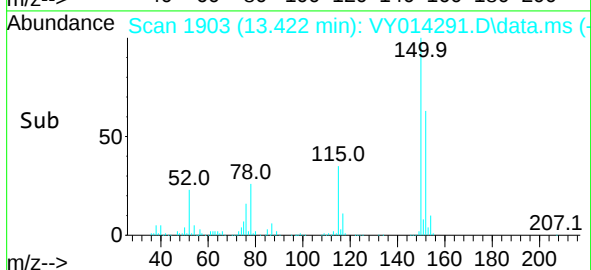
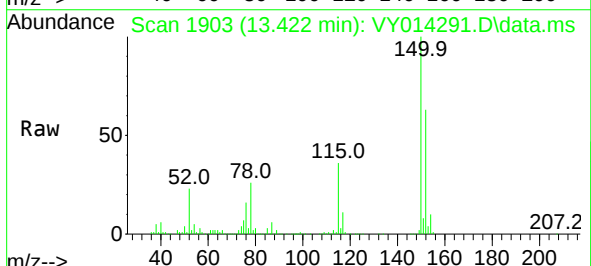
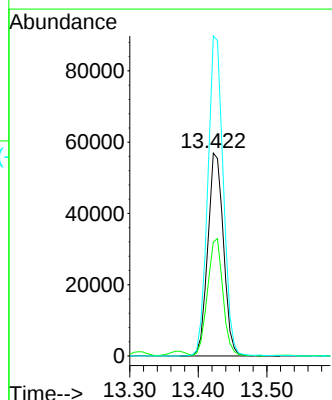
Tgt Ion:152 Resp: 90565

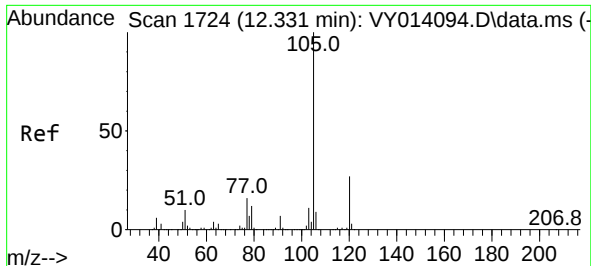
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 156.5 0.0 348.8

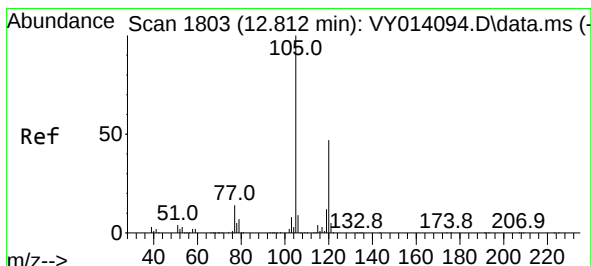
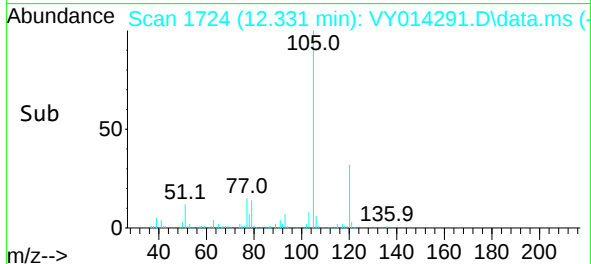
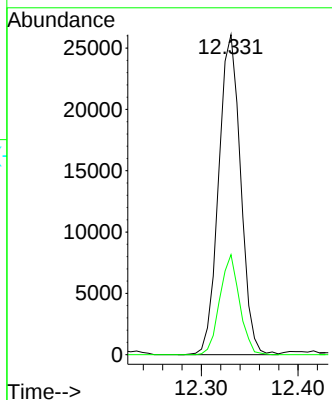
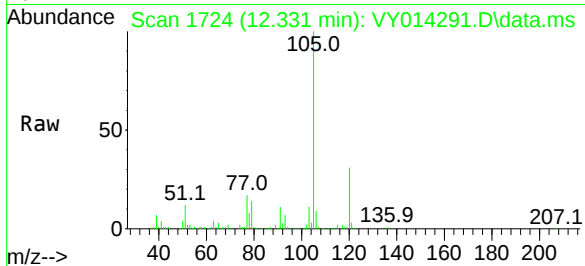




#73
Isopropylbenzene
Concen: 5.957 ug/l
RT: 12.331 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

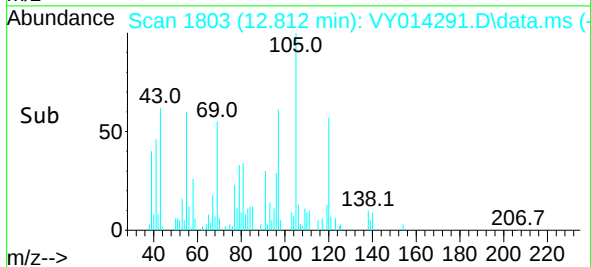
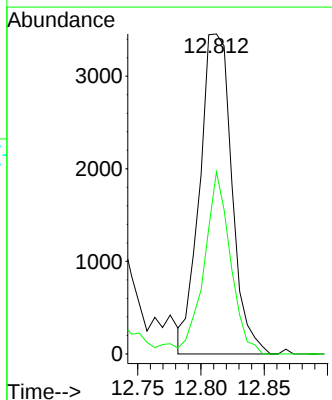
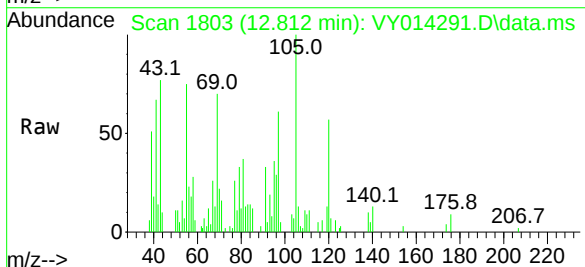
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

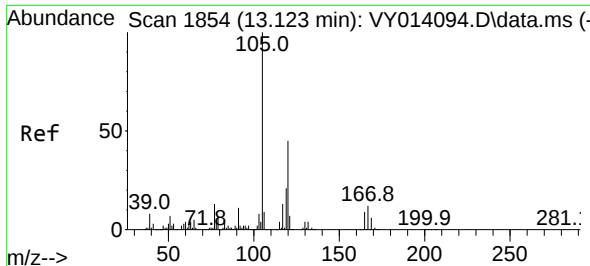
Tgt Ion:105 Resp: 41157
Ion Ratio Lower Upper
105 100
120 27.9 13.3 39.9



#80
1,3,5-Trimethylbenzene
Concen: 1.033 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion:105 Resp: 6110
Ion Ratio Lower Upper
105 100
120 46.0 23.9 71.7

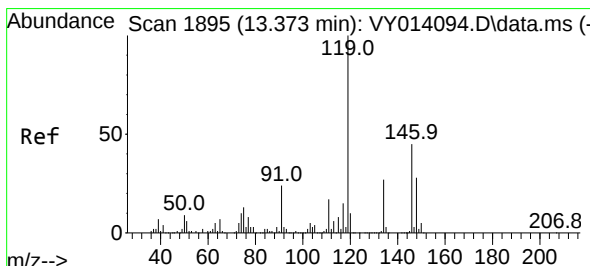
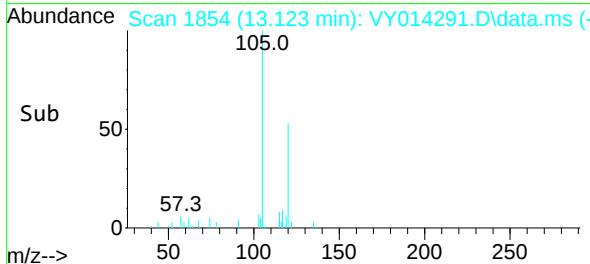
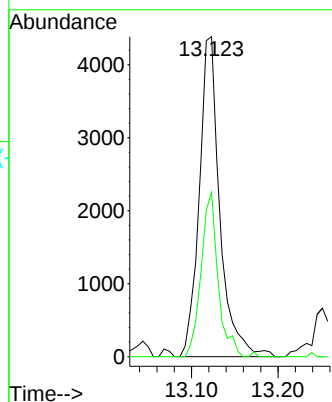
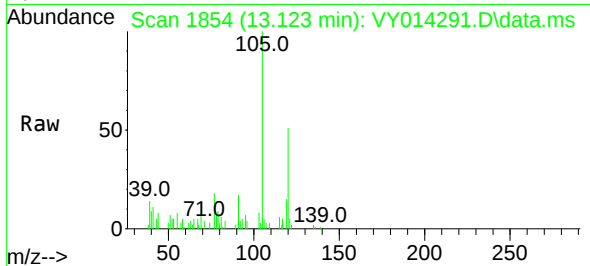




#84
1,2,4-Trimethylbenzene
Concen: 1.235 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

Tgt Ion:105 Resp: 7231
Ion Ratio Lower Upper
105 100
120 42.4 22.2 66.6



#86
p-Isopropyltoluene
Concen: 4.138 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion:119 Resp: 25885
Ion Ratio Lower Upper
119 100
134 27.2 13.3 39.8
91 22.5 12.4 37.4

