

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012782.D
 Acq On : 03 Mar 2023 00:11
 Operator : KP/MD
 Sample : 01740-05
 Misc : 14.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-8-GRAB-8

Quant Time: Mar 03 02:03:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

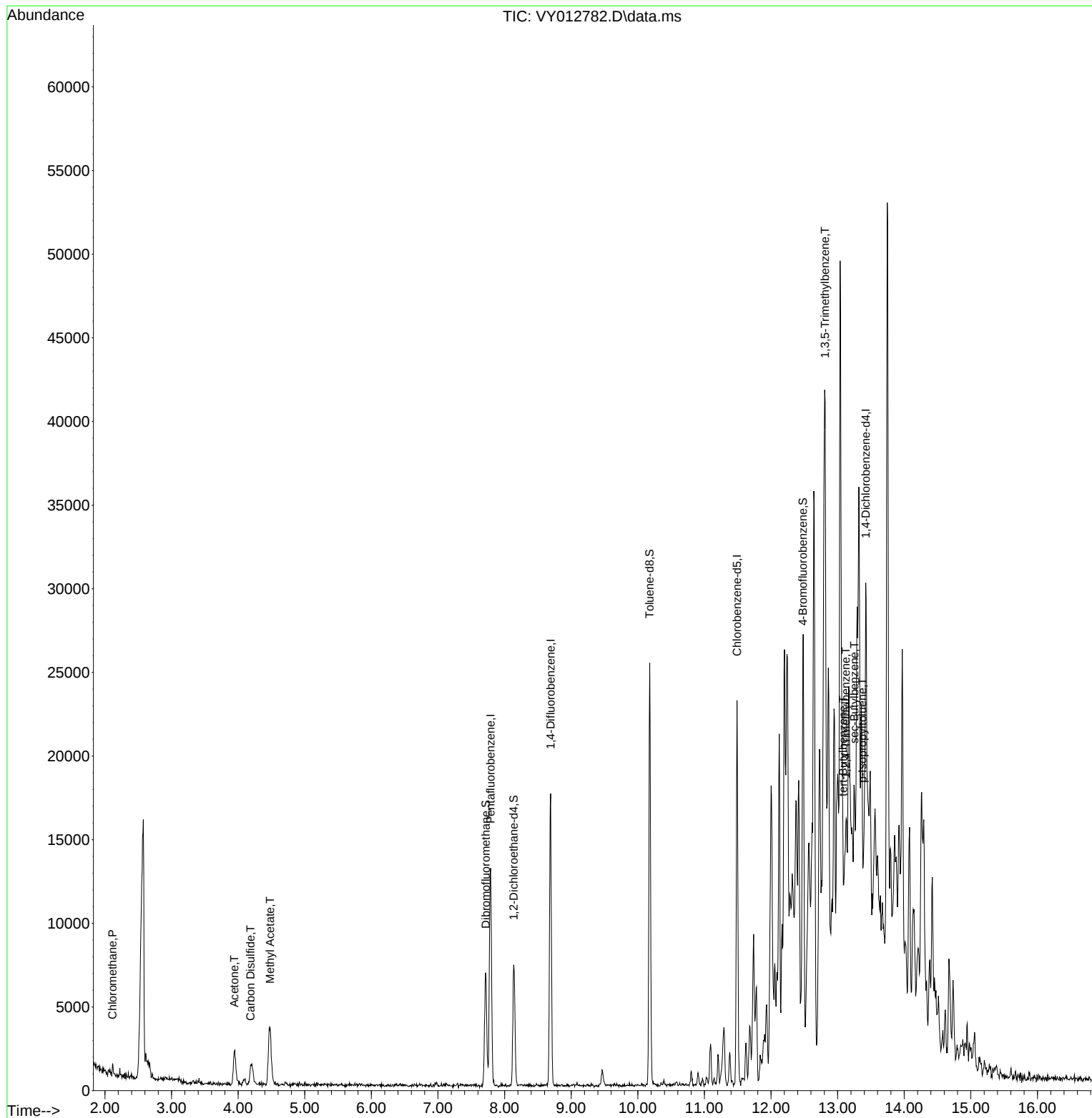
Internal Standards						
1) Pentafluorobenzene	7.789	168	10777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	14558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	11539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5825	54.438	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.880%	
35) Dibromofluoromethane	7.716	113	4925	56.057	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.120%	
50) Toluene-d8	10.179	98	16616	51.733	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.460%	
62) 4-Bromofluorobenzene	12.477	95	6059	55.890	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	507	3.992	ug/l #	73
16) Acetone	3.942	43	3982	94.812	ug/l #	85
17) Carbon Disulfide	4.186	76	1059	2.803	ug/l #	75
18) Methyl Acetate	4.479	43	7220	57.727	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	823	2.517	ug/l	87
83) tert-Butylbenzene	13.081	119	442	1.566	ug/l	74
84) 1,2,4-Trimethylbenzene	13.123	105	1463	4.575	ug/l	98
85) sec-Butylbenzene	13.251	105	621	1.442	ug/l #	70
86) p-Isopropyltoluene	13.373	119	1017	2.890	ug/l	90

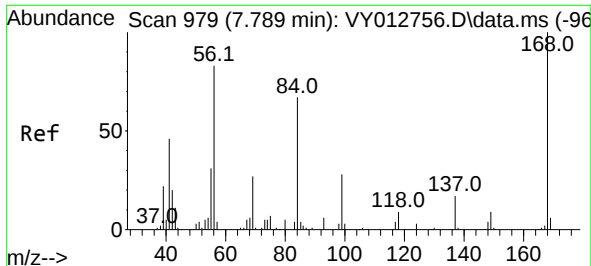
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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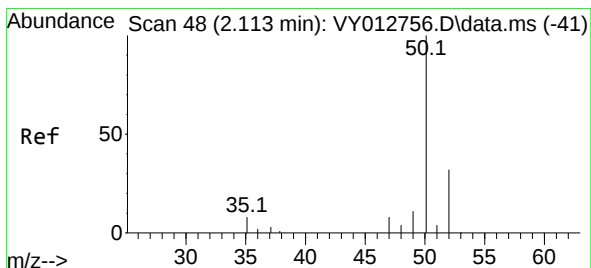
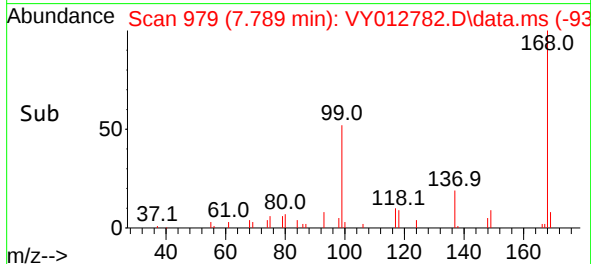
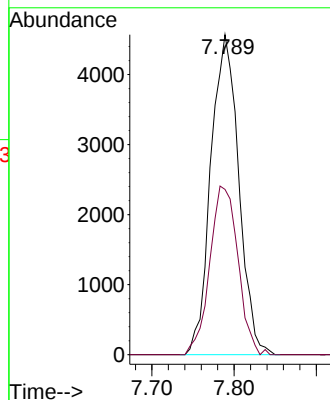
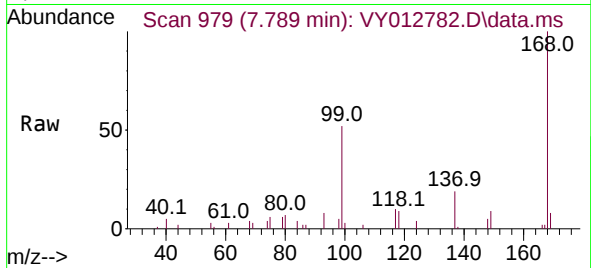




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

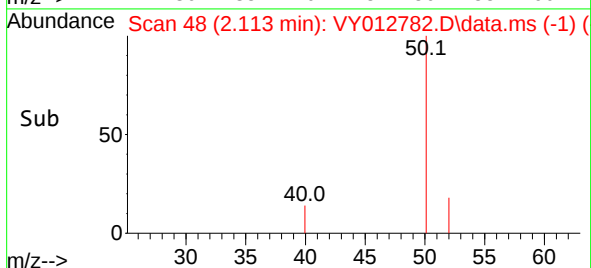
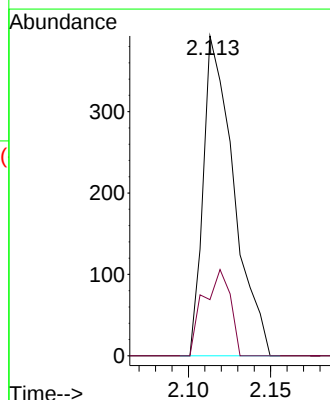
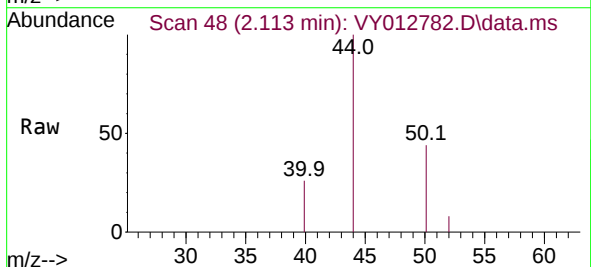
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

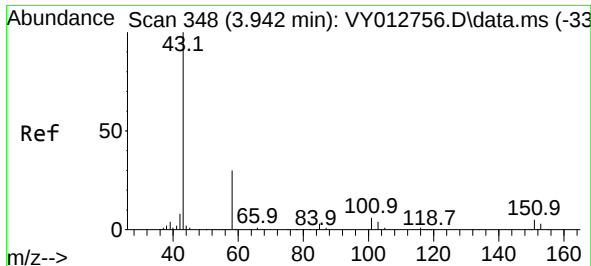
Tgt Ion:168 Resp: 10777
Ion Ratio Lower Upper
168 100
99 51.6 41.7 62.5



#3
Chloromethane
Concen: 3.992 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion: 50 Resp: 507
Ion Ratio Lower Upper
50 100
52 17.6 26.0 39.0#





#16

Acetone

Concen: 94.812 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

Instrument :

MSVOA_Y

ClientSampleId :

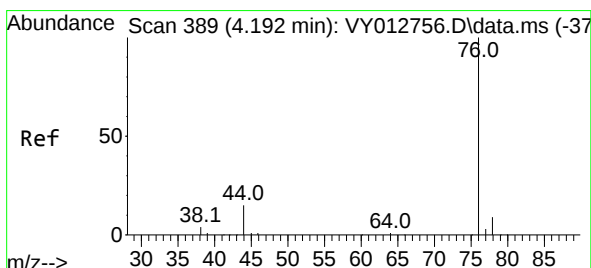
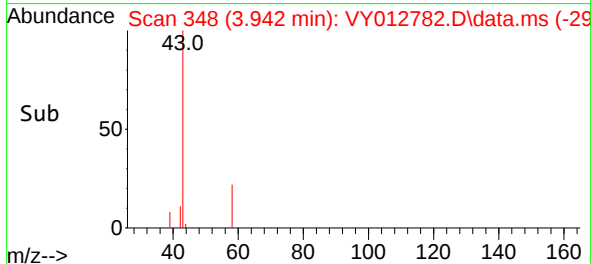
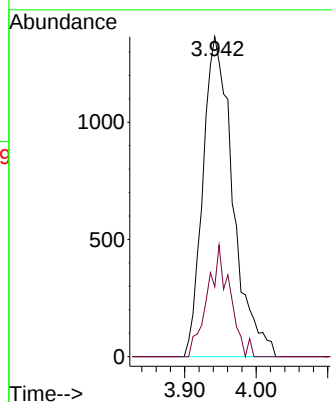
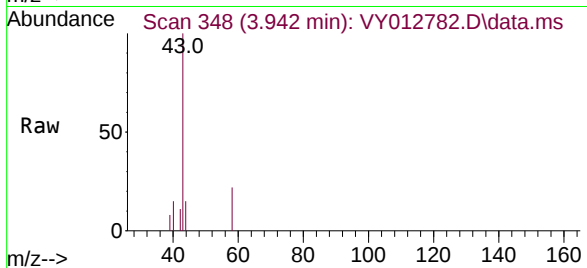
TOTAL-VOC-8-GRAB-8

Tgt Ion: 43 Resp: 3982

Ion Ratio Lower Upper

43 100

58 21.8 24.2 36.2#



#17

Carbon Disulfide

Concen: 2.803 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.006 min

Lab File: VY012782.D

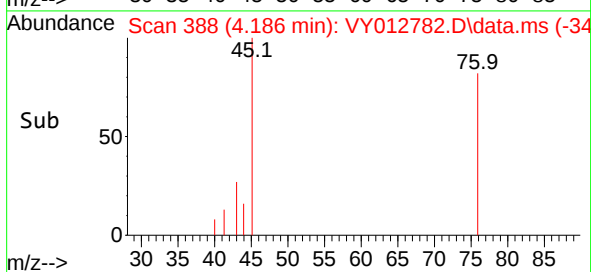
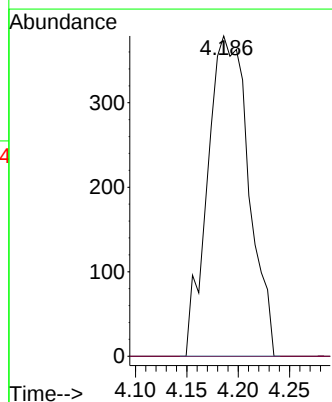
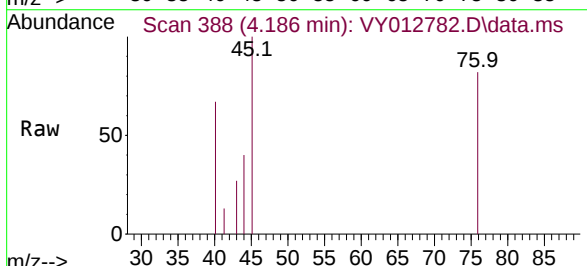
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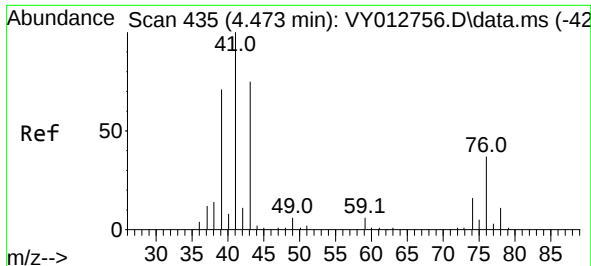
Tgt Ion: 76 Resp: 1059

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

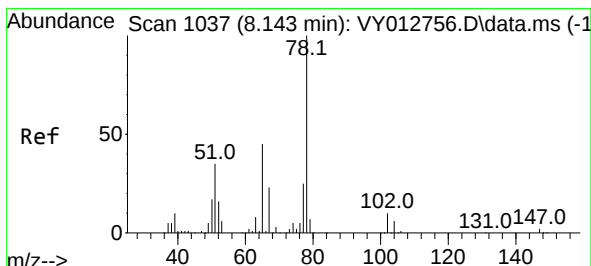
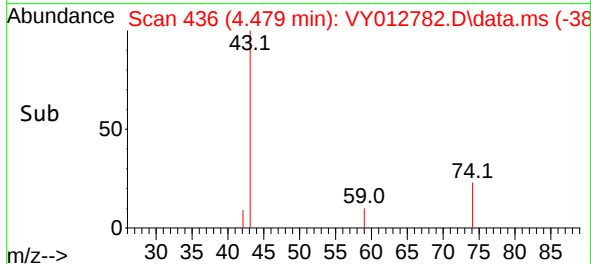
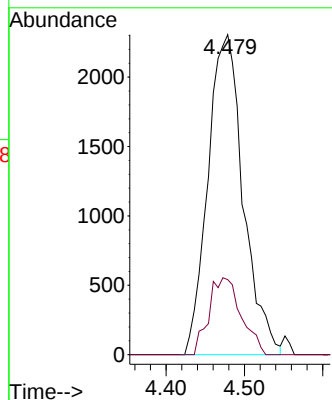
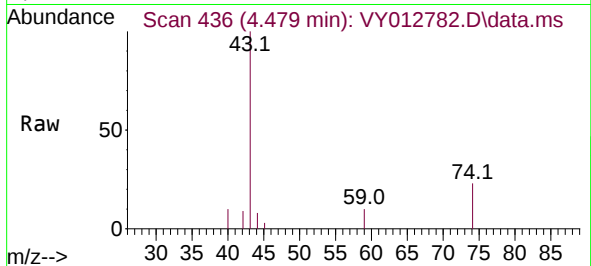




#18
Methyl Acetate
Concen: 57.727 ug/l
RT: 4.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

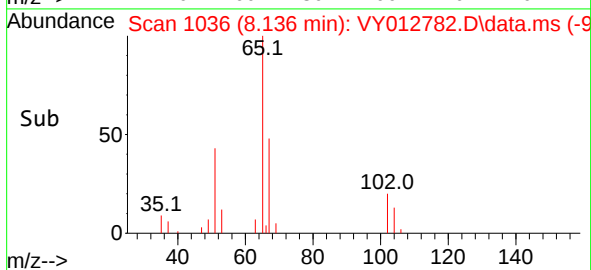
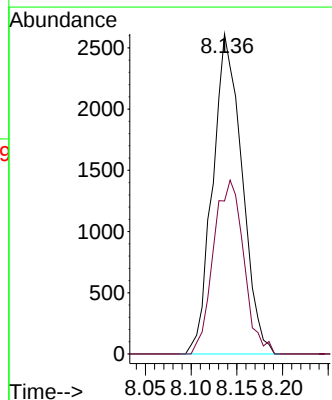
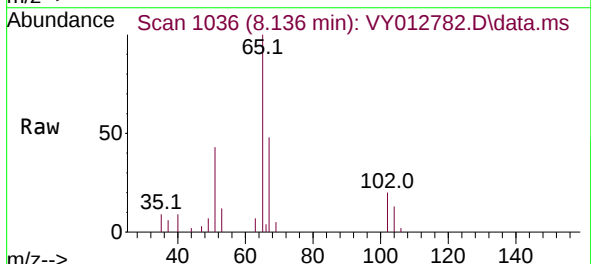
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

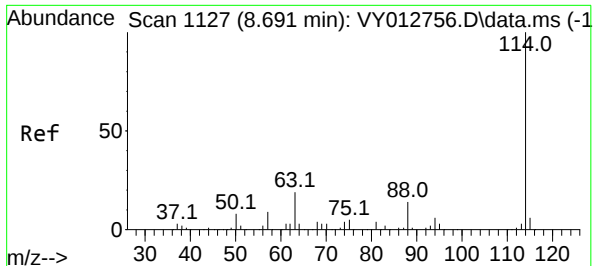
Tgt Ion: 43 Resp: 7220
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.0



#33
1,2-Dichloroethane-d4
Concen: 54.438 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion: 65 Resp: 5825
Ion Ratio Lower Upper
65 100
67 56.1 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-8-GRAB-8

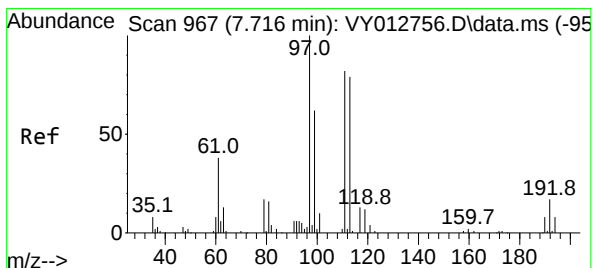
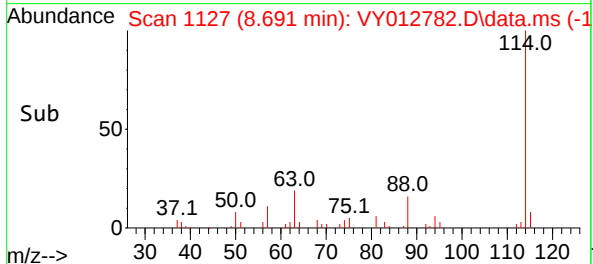
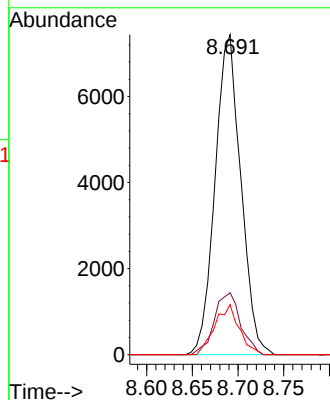
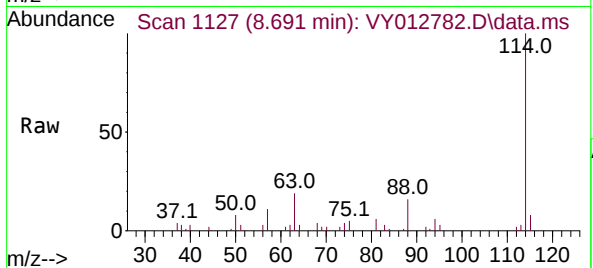
Tgt Ion:114 Resp: 14558

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 15.6 0.0 28.6



#35

Dibromofluoromethane

Concen: 56.057 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012782.D

Acq: 03 Mar 2023 00:11

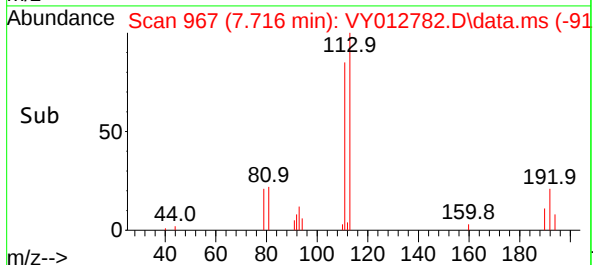
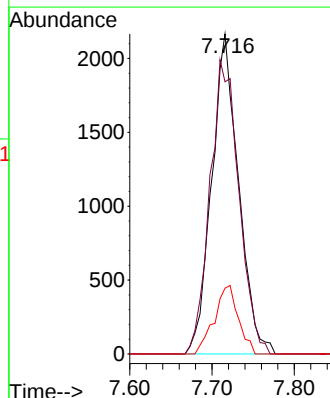
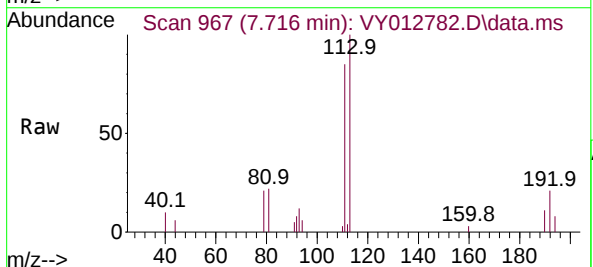
Tgt Ion:113 Resp: 4925

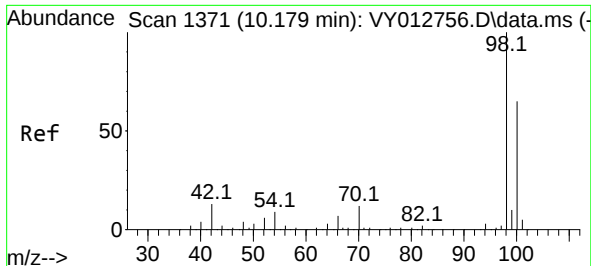
Ion Ratio Lower Upper

113 100

111 98.8 82.2 123.2

192 19.1 16.8 25.2

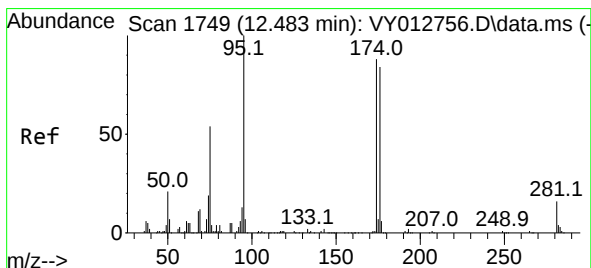
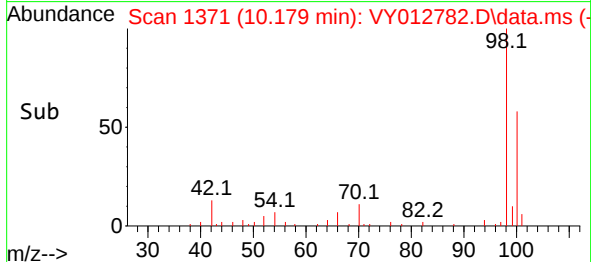
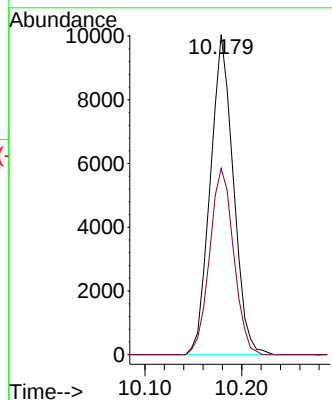
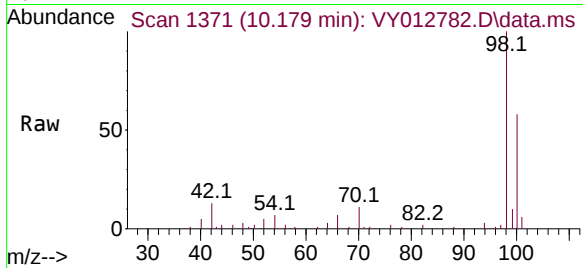




#50
Toluene-d8
Concen: 51.733 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

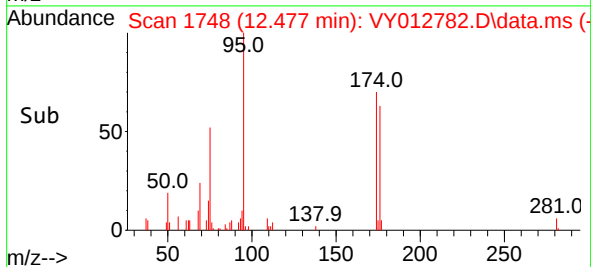
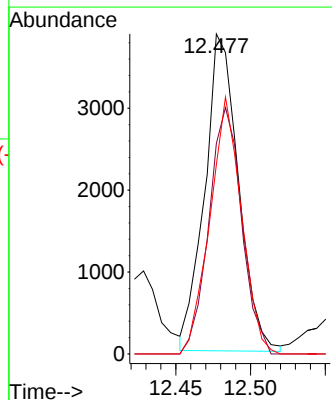
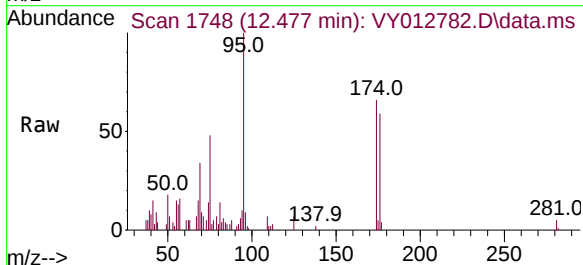
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

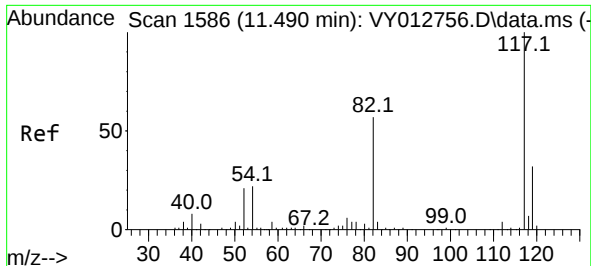
Tgt Ion: 98 Resp: 16616
Ion Ratio Lower Upper
98 100
100 60.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 55.890 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion: 95 Resp: 6059
Ion Ratio Lower Upper
95 100
174 75.5 0.0 176.6
176 75.8 0.0 170.2

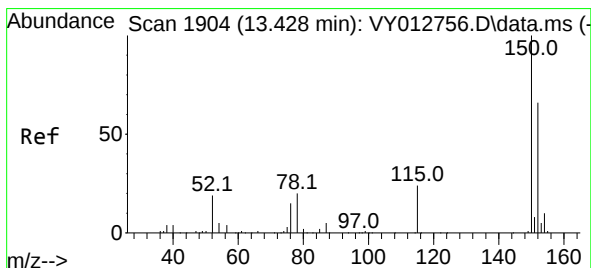
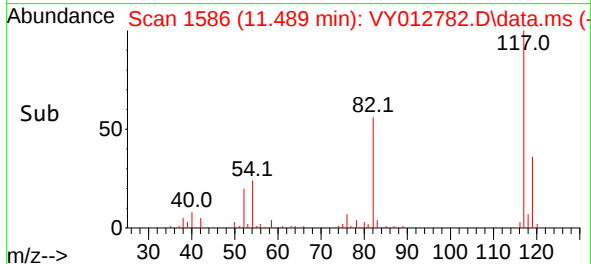
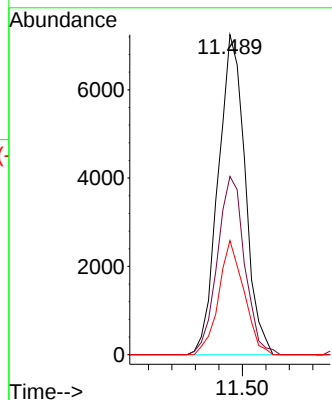
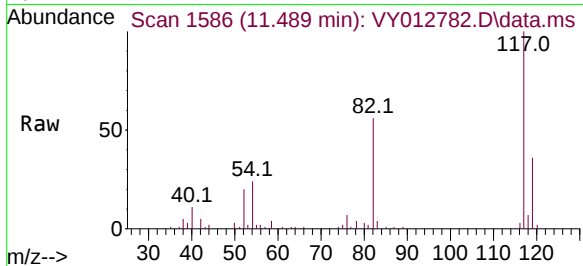




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

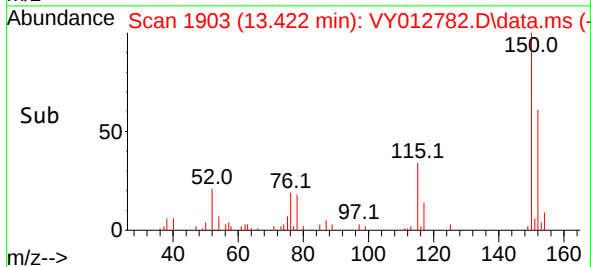
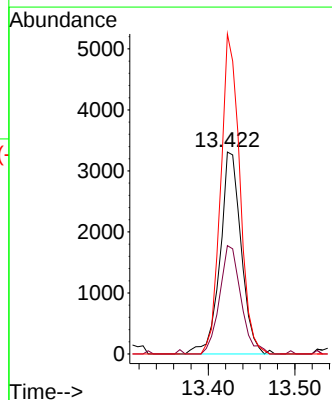
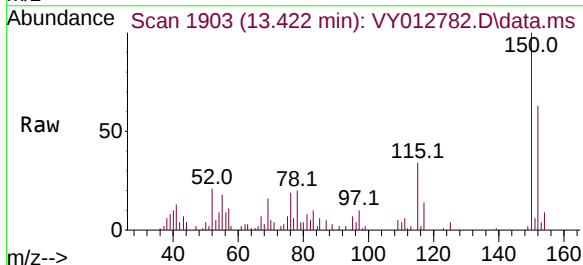
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MSVOA_Y
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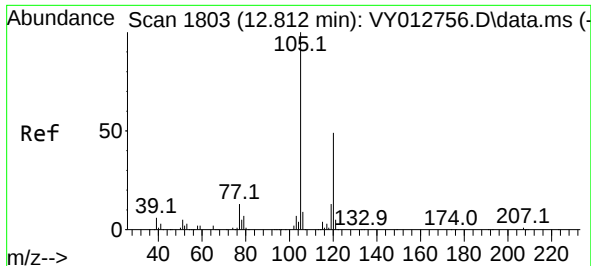
Tgt Ion:117	Resp:	11539
Ion	Ratio	Lower Upper
117	100	
82	55.7	45.4 68.0
119	35.6	25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion:152	Resp:	5591
Ion	Ratio	Lower Upper
152	100	
115	54.3	27.1 81.3
150	143.2	0.0 347.8

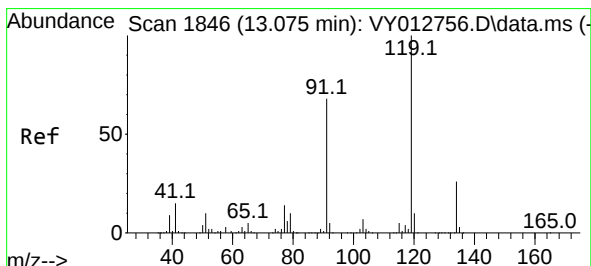
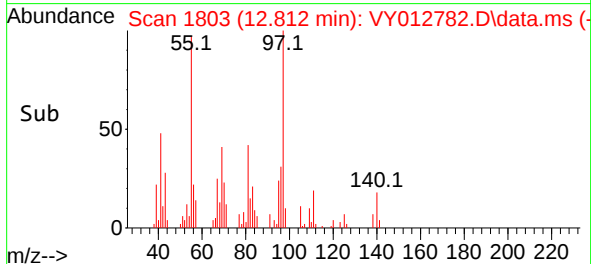
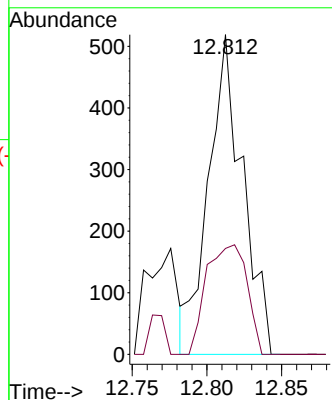
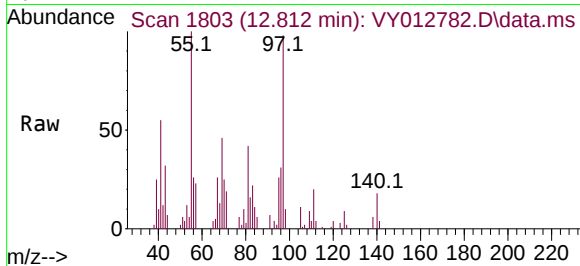




#80
1,3,5-Trimethylbenzene
Concen: 2.517 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

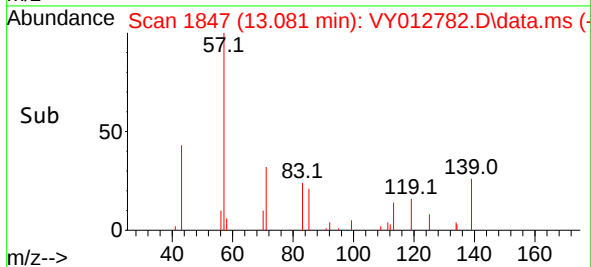
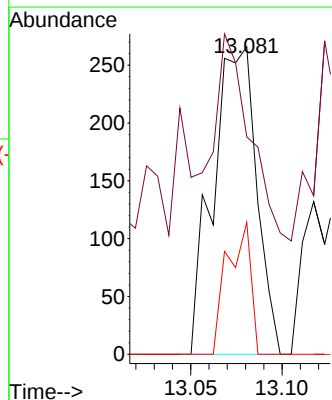
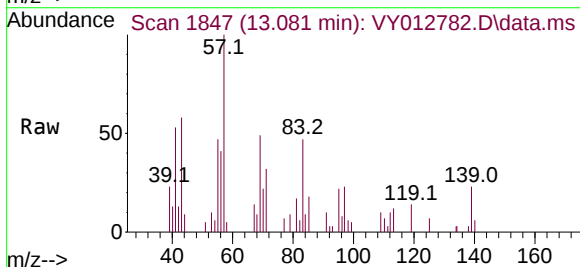
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

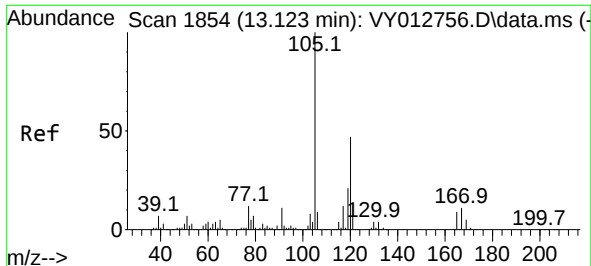
Tgt Ion:105 Resp: 823
Ion Ratio Lower Upper
105 100
120 40.8 24.8 74.4



#83
tert-Butylbenzene
Concen: 1.566 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.006 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion:119 Resp: 442
Ion Ratio Lower Upper
119 100
91 92.1 32.8 98.3
134 23.1 13.6 40.8

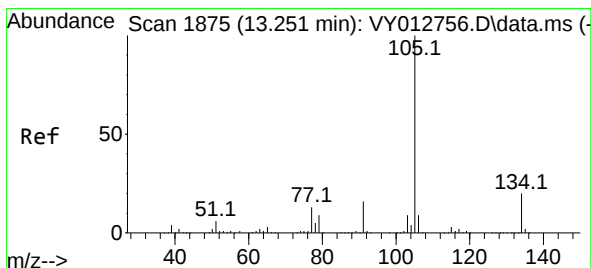
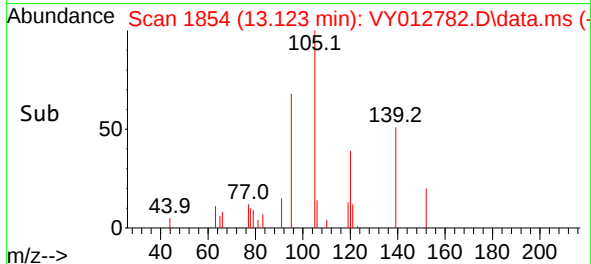
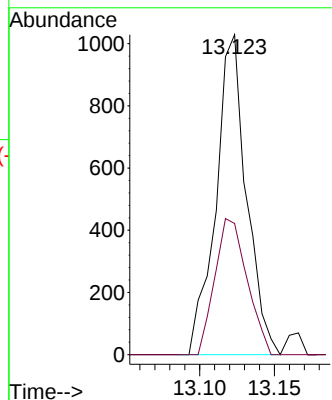
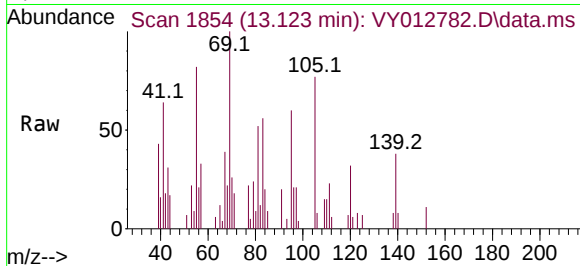




#84
1,2,4-Trimethylbenzene
Concen: 4.575 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

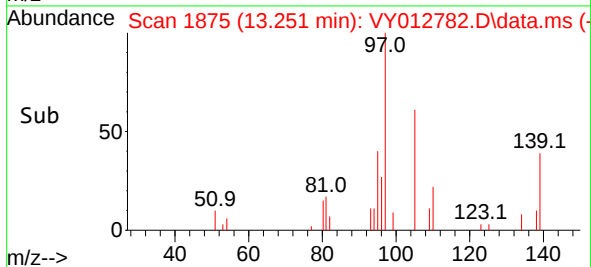
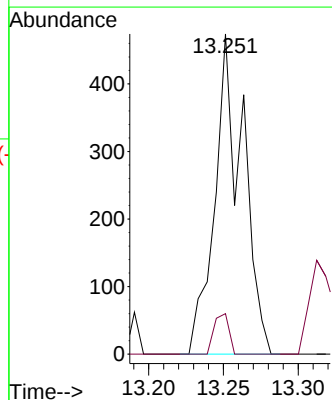
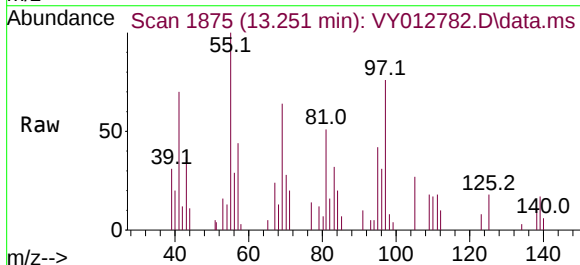
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

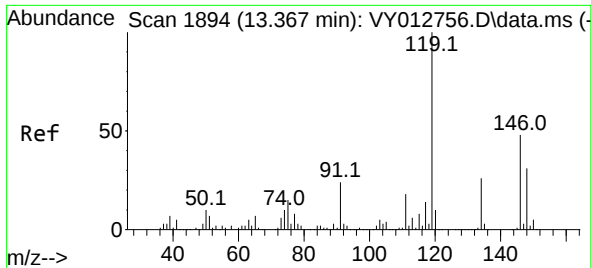
Tgt Ion:105 Resp: 1463
Ion Ratio Lower Upper
105 100
120 44.8 23.0 69.0



#85
sec-Butylbenzene
Concen: 1.442 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VY012782.D
Acq: 03 Mar 2023 00:11

Tgt Ion:105 Resp: 621
Ion Ratio Lower Upper
105 100
134 6.6 10.4 31.1#





#86
 p-Isopropyltoluene
 Concen: 2.890 ug/l
 RT: 13.373 min Scan# 119
 Delta R.T. 0.006 min
 Lab File: VY012782.D
 Acq: 03 Mar 2023 00:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-8-GRAB-8

Tgt Ion:	119	Resp:	1017
Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.2	39.6
91	32.5	11.8	35.3

