

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012772.D
 Acq On : 02 Mar 2023 20:24
 Operator : KP/MD
 Sample : 01739-11
 Misc : 9.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-3-GRAB-7

Quant Time: Mar 03 02:00:08 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)

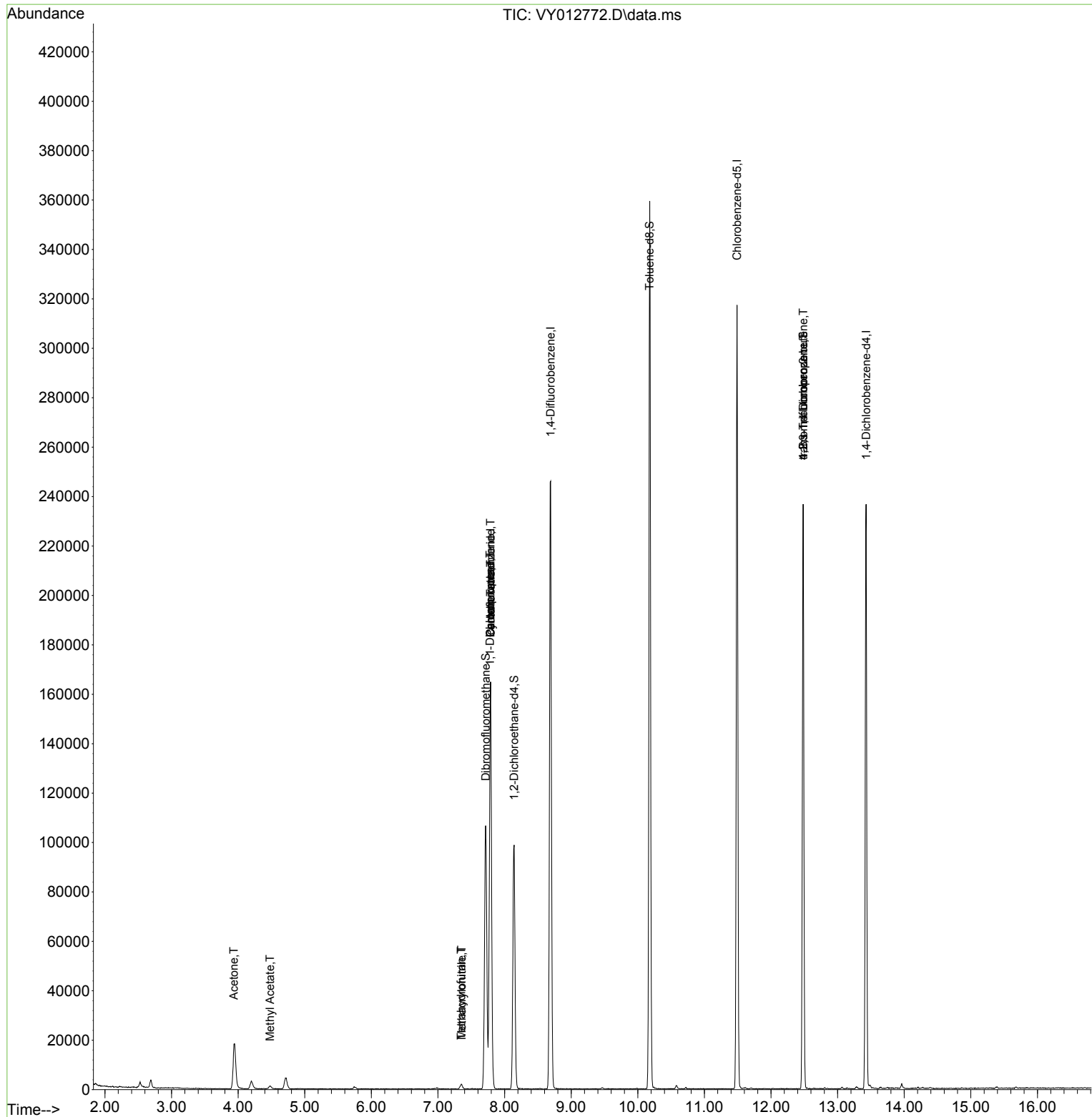
Internal Standards						
1) Pentafluorobenzene	7.789	168	128448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	209901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	164122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	59946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76227	59.771	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.540%			
35) Dibromofluoromethane	7.716	113	75356	59.488	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.980%			
50) Toluene-d8	10.179	98	226892	48.994	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.980%			
62) 4-Bromofluorobenzene	12.483	95	67984	43.494	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.980%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	72	Below Cal	#	74
16) Acetone	3.936	43	33286	66.496	ug/l	99
18) Methyl Acetate	4.479	43	2201	1.476	ug/l #	79
20) Methylene Chloride	4.722	84	3249	Below Cal		93
29) Tetrahydrofuran	7.350	42	1438	3.846	ug/l	98
31) Cyclohexane	7.789	56	2619	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9406	4.431	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12609	5.752	ug/l #	16
41) Methacrylonitrile	7.356	41	889	1.233	ug/l #	100
76) 1,2,3-Trichloropropane	12.483	75	35633	49.777	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	35633	103.140	ug/l #	13

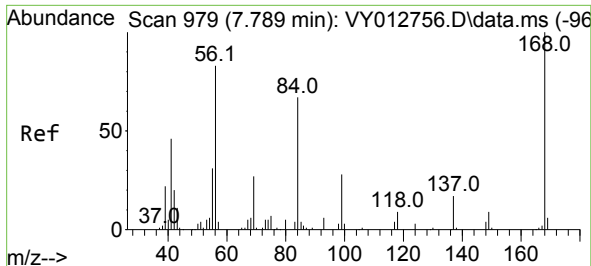
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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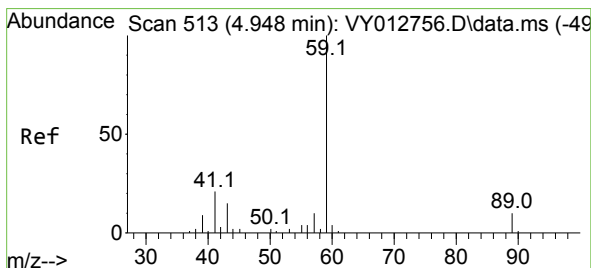
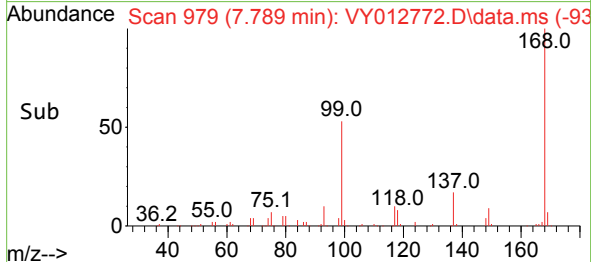
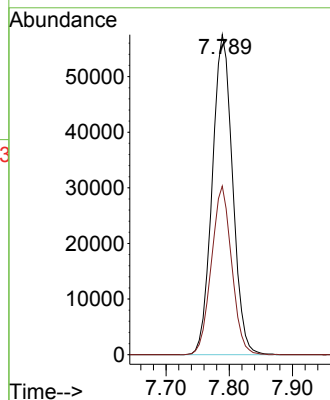
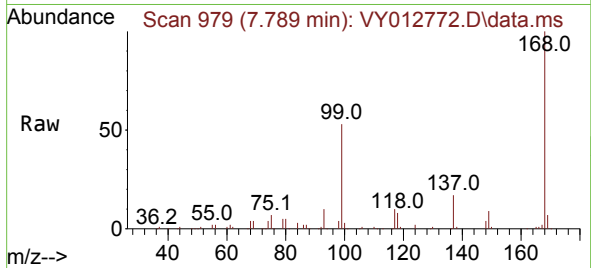




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012772.D
Acq: 02 Mar 2023 20:24

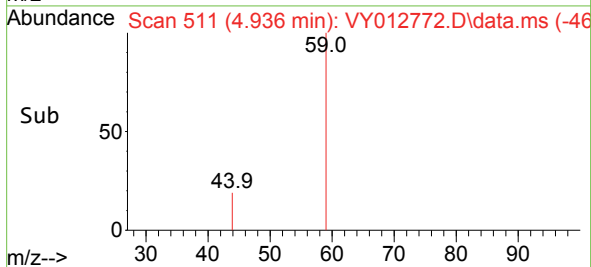
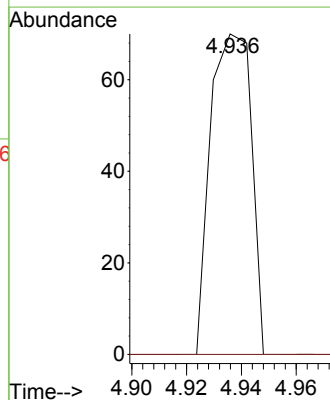
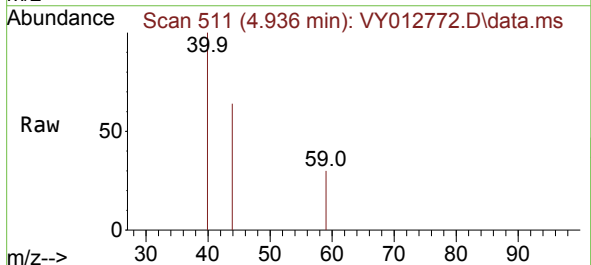
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-3-GRAB-7

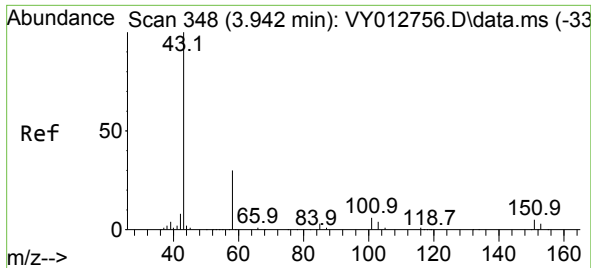
Tgt Ion:168 Resp: 128448
Ion Ratio Lower Upper
168 100
99 52.7 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012772.D
Acq: 02 Mar 2023 20:24

Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 66.496 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY012772.D

Acq: 02 Mar 2023 20:24

Instrument :

MSVOA_Y

ClientSampleId :

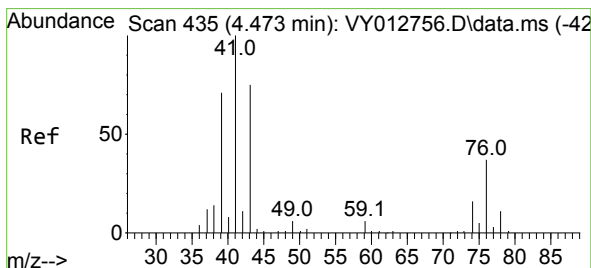
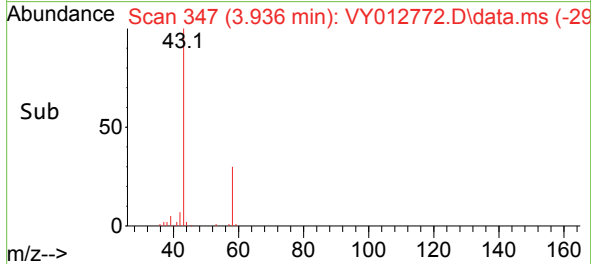
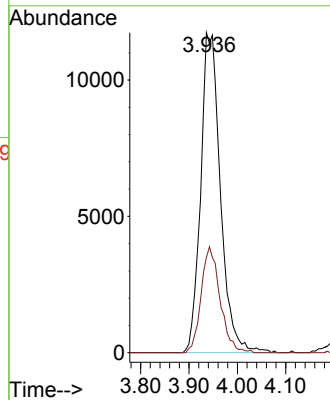
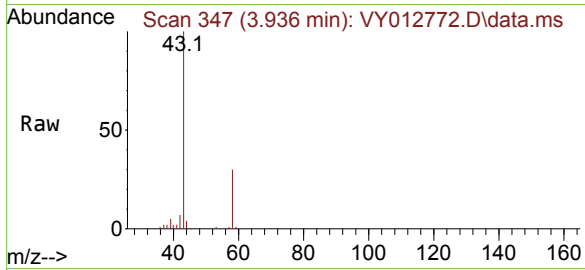
TOTAL-VOC-3-GRAB-7

Tgt Ion: 43 Resp: 33286

Ion Ratio Lower Upper

43 100

58 29.8 24.2 36.2



#18

Methyl Acetate

Concen: 1.476 ug/l

RT: 4.479 min Scan# 436

Delta R.T. 0.006 min

Lab File: VY012772.D

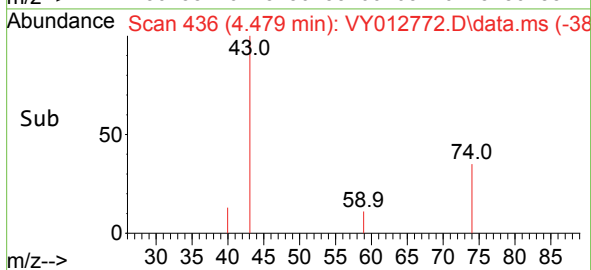
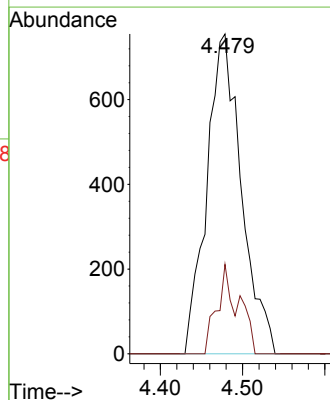
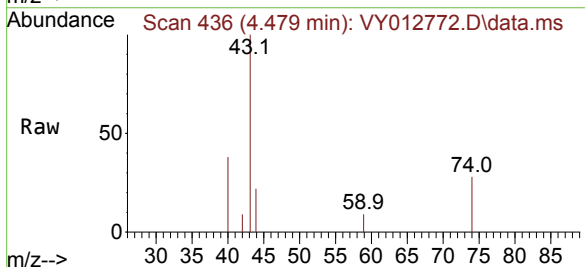
Acq: 02 Mar 2023 20:24

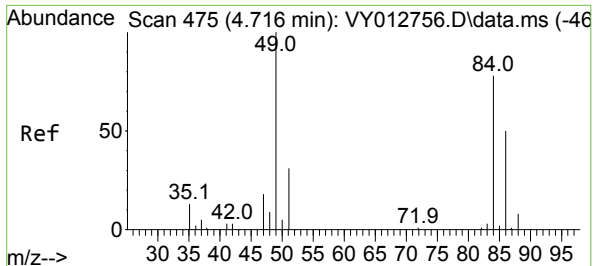
Tgt Ion: 43 Resp: 2201

Ion Ratio Lower Upper

43 100

74 11.9 17.4 26.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY012772.D

Acq: 02 Mar 2023 20:24

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-3-GRAB-7

Tgt Ion: 84 Resp: 3249

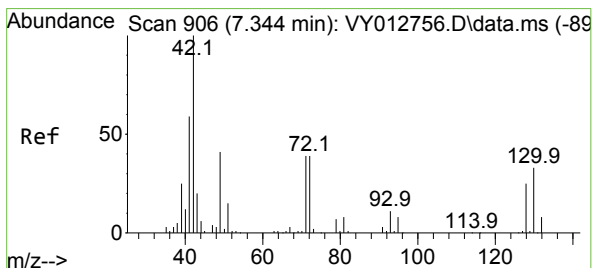
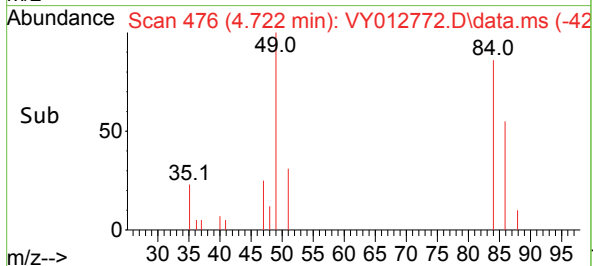
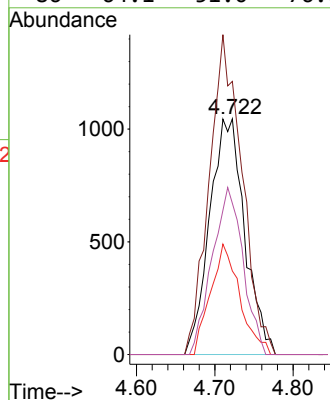
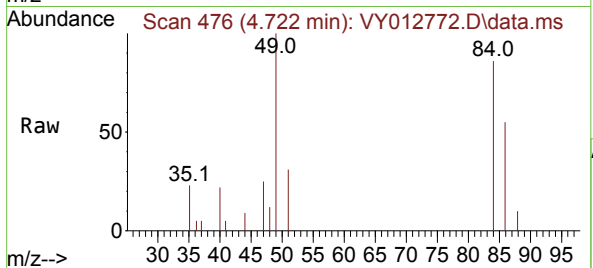
Ion Ratio Lower Upper

84 100

49 115.9 102.6 154.0

51 35.5 31.9 47.9

86 64.1 51.0 76.6



#29

Tetrahydrofuran

Concen: 3.846 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY012772.D

Acq: 02 Mar 2023 20:24

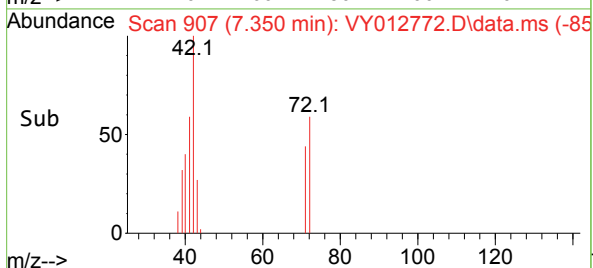
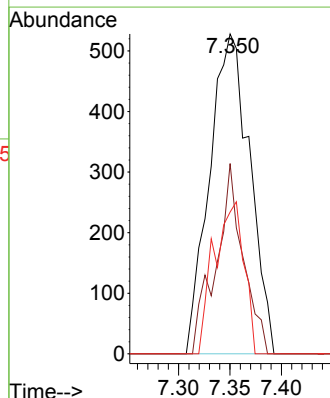
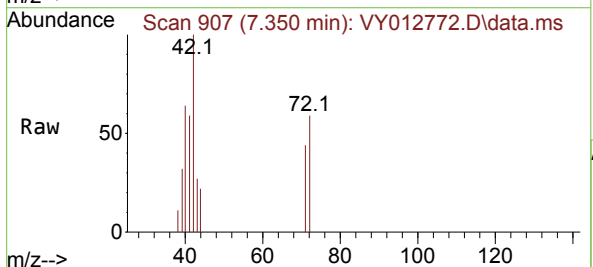
Tgt Ion: 42 Resp: 1438

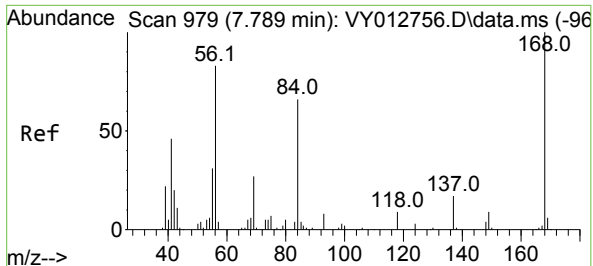
Ion Ratio Lower Upper

42 100

72 40.3 32.3 48.5

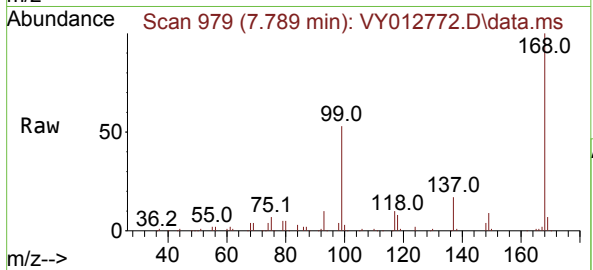
71 35.3 30.3 45.5



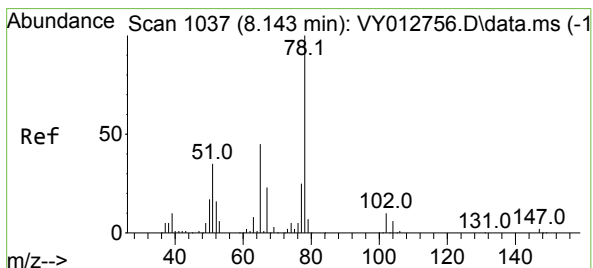
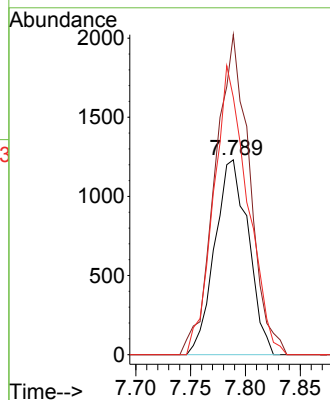
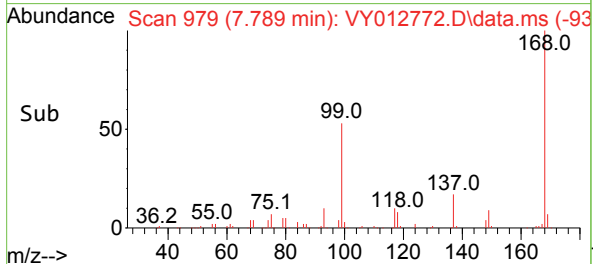


#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012772.D
Acq: 02 Mar 2023 20:24

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-3-GRAB-7

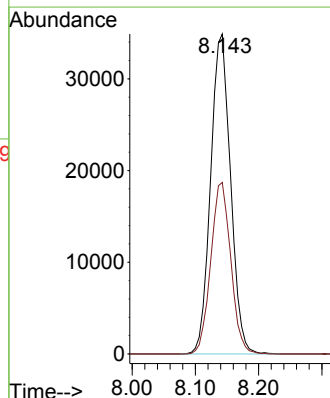
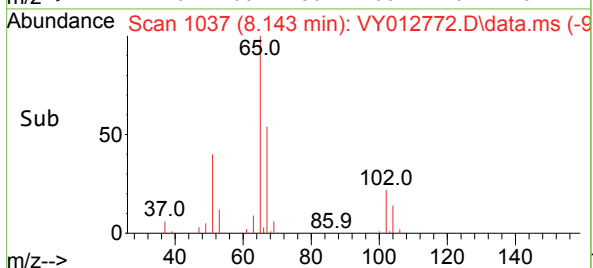
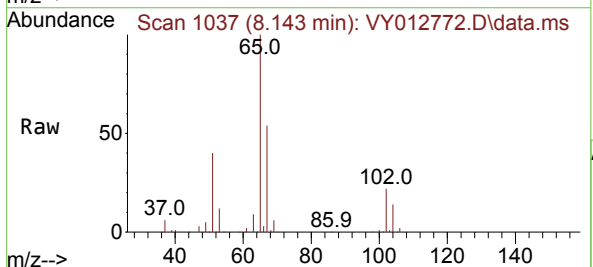


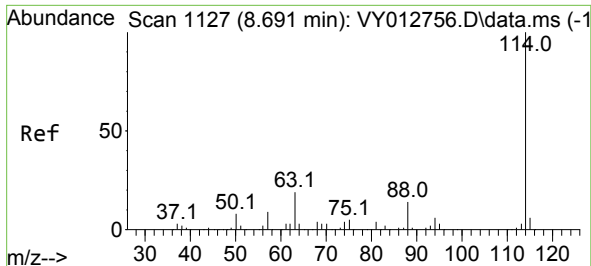
Tgt Ion: 56 Resp: 2619
Ion Ratio Lower Upper
56 100
69 164.3 25.7 38.5#
84 132.1 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 59.771 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012772.D
Acq: 02 Mar 2023 20:24

Tgt Ion: 65 Resp: 76227
Ion Ratio Lower Upper
65 100
67 53.9 0.0 104.0

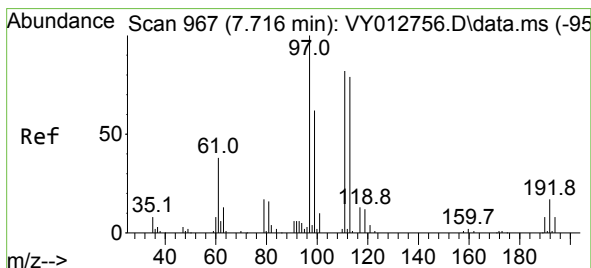
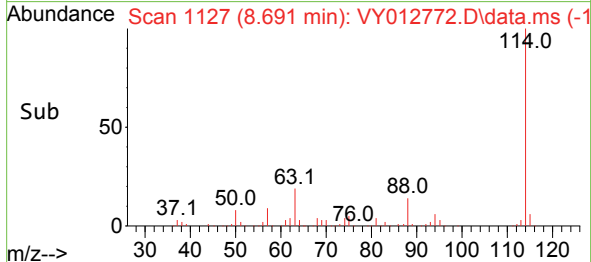
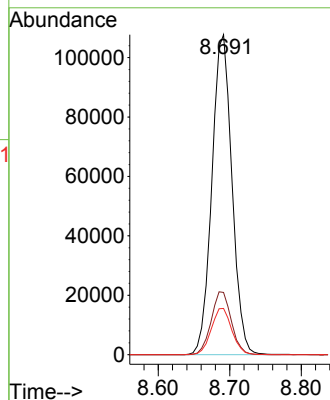
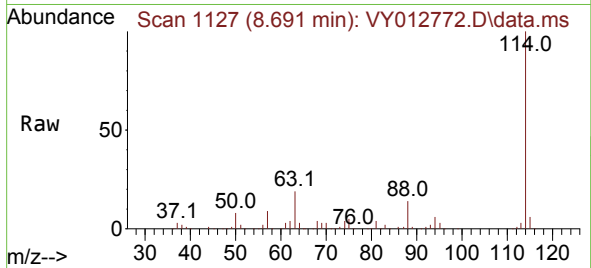




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012772.D
Acq: 02 Mar 2023 20:24

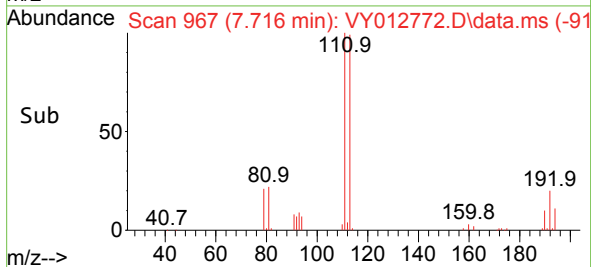
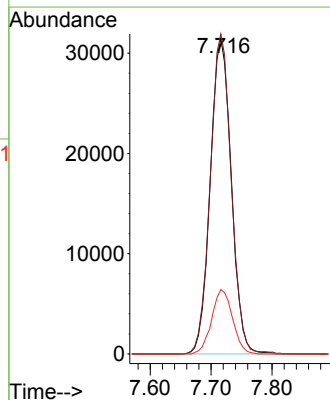
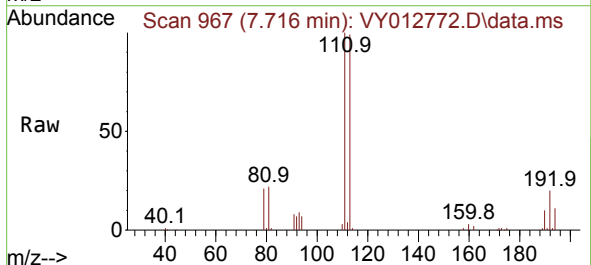
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-3-GRAB-7

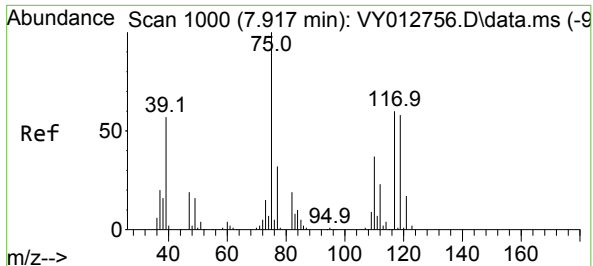
Tgt Ion:114 Resp: 209901
Ion Ratio Lower Upper
114 100
63 19.4 0.0 37.4
88 14.5 0.0 28.6



#35
Dibromofluoromethane
Concen: 59.488 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY012772.D
Acq: 02 Mar 2023 20:24

Tgt Ion:113 Resp: 75356
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.2
192 20.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.431 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012772.D

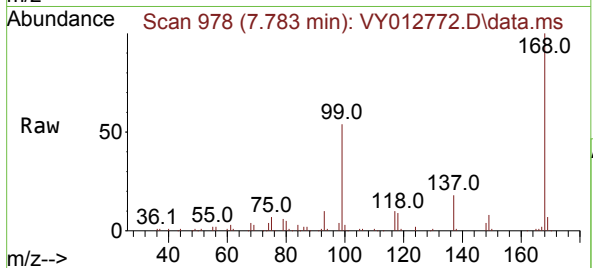
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-3-GRAB-7



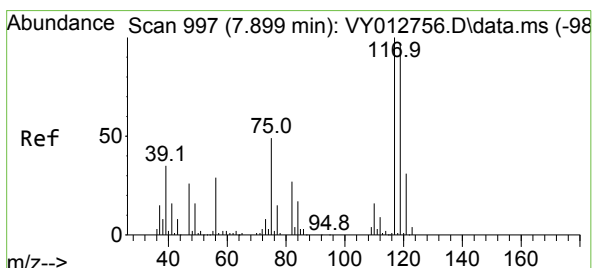
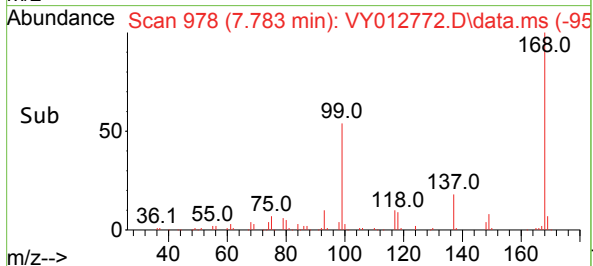
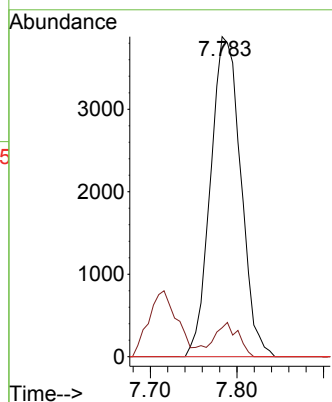
Tgt Ion: 75 Resp: 9406

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.752 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012772.D

Acq: 02 Mar 2023 20:24

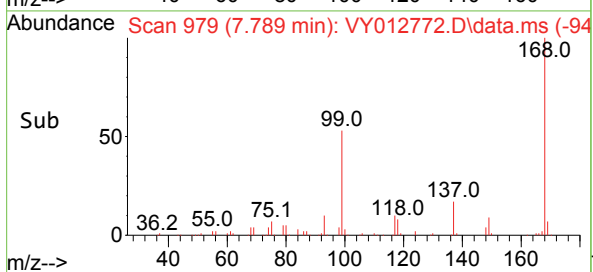
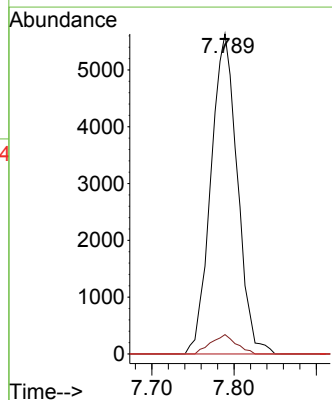
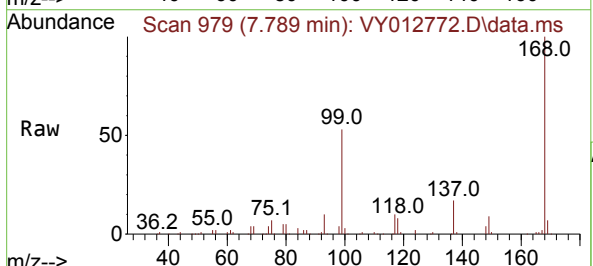
Tgt Ion:117 Resp: 12609

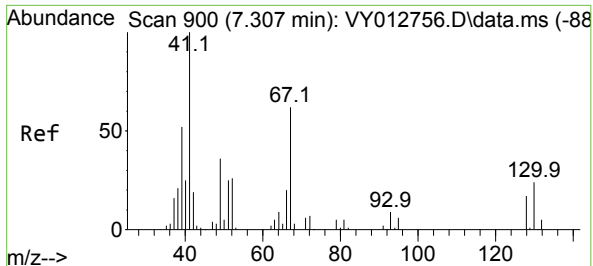
Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

121 0.0 24.7 37.1#

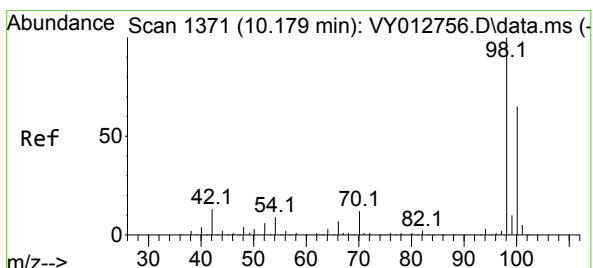
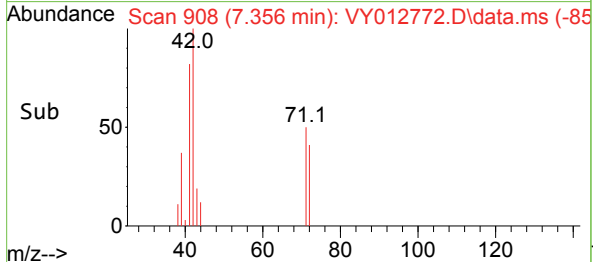
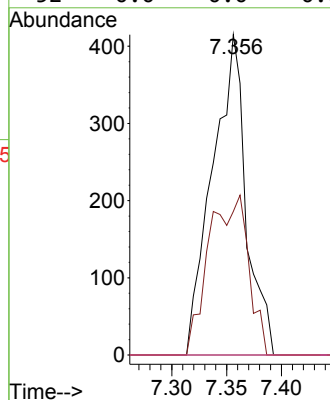
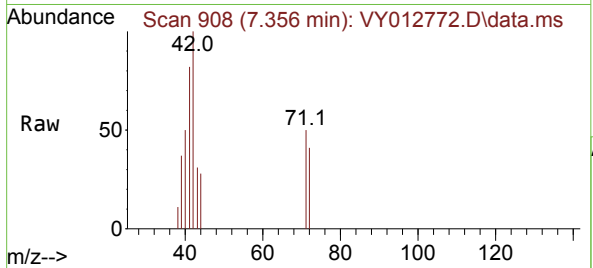




#41
Methacrylonitrile
Concen: 1.233 ug/l
RT: 7.356 min Scan# 900
Delta R.T. 0.049 min
Lab File: VY012772.D
Acq: 02 Mar 2023 20:24

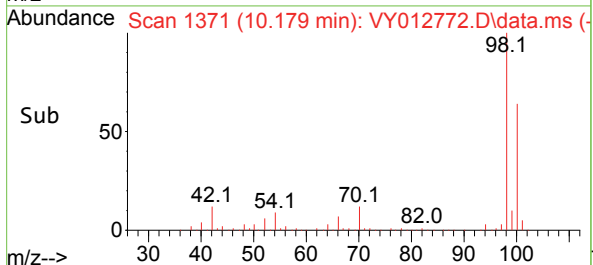
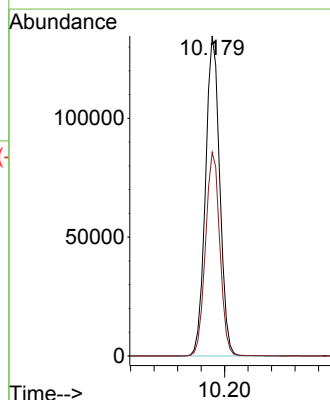
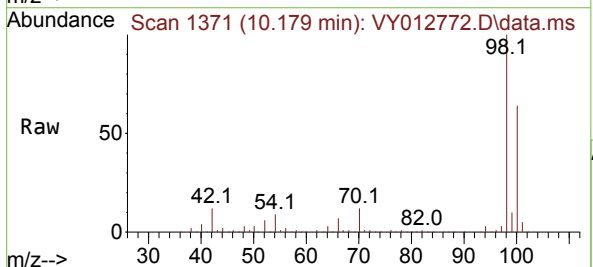
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-3-GRAB-7

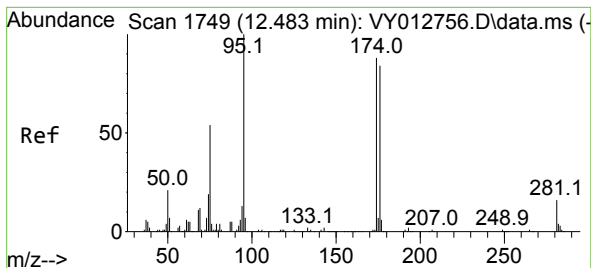
Tgt Ion: 41	Resp: 889
Ion Ratio	Lower Upper
41	100
39	58.7 0.0 0.0#
67	0.0 0.0 0.0
52	0.0 0.0 0.0



#50
Toluene-d8
Concen: 48.994 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012772.D
Acq: 02 Mar 2023 20:24

Tgt Ion: 98	Resp: 226892
Ion Ratio	Lower Upper
98	100
100	64.0 50.9 76.3

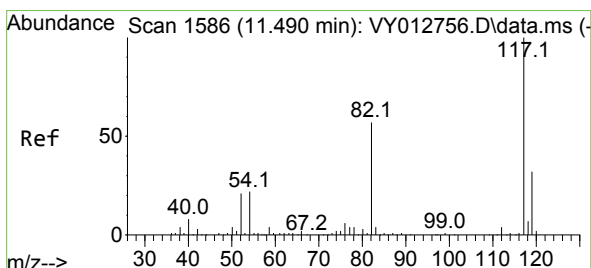
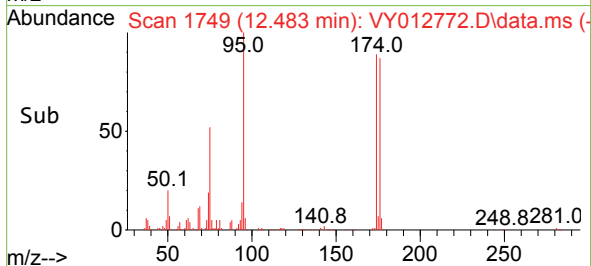
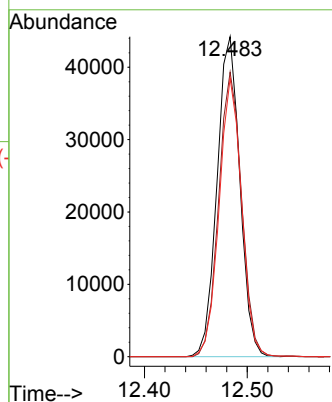
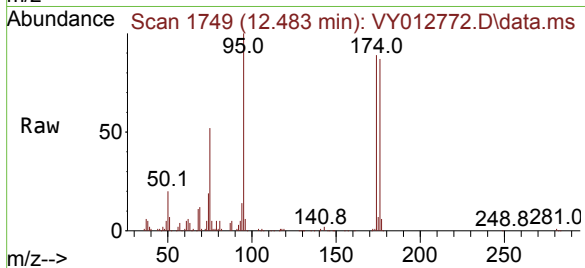




#62
4-Bromofluorobenzene
Concen: 43.494 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012772.D
Acq: 02 Mar 2023 20:24

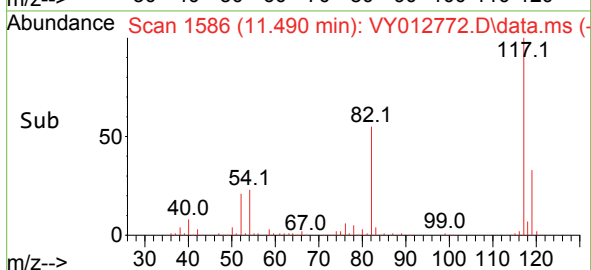
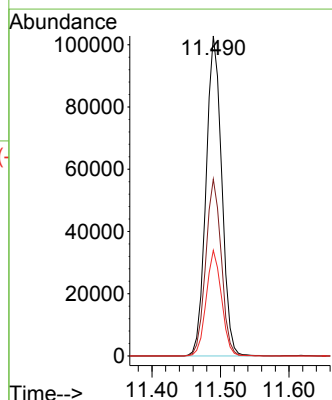
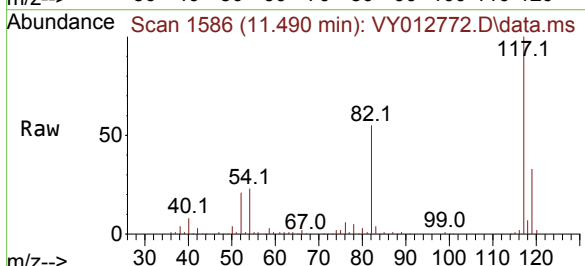
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-3-GRAB-7

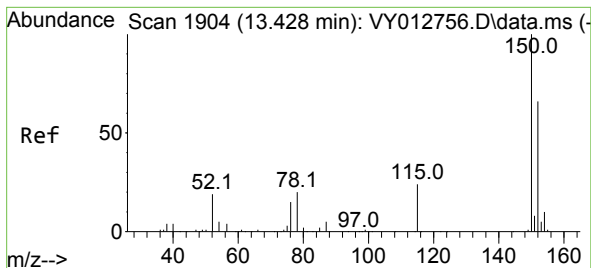
Tgt Ion: 95 Resp: 67984
Ion Ratio Lower Upper
95 100
174 89.9 0.0 176.6
176 85.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012772.D
Acq: 02 Mar 2023 20:24

Tgt Ion: 117 Resp: 164122
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.0
119 33.0 25.6 38.4

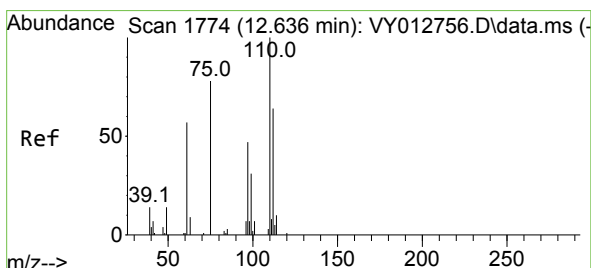
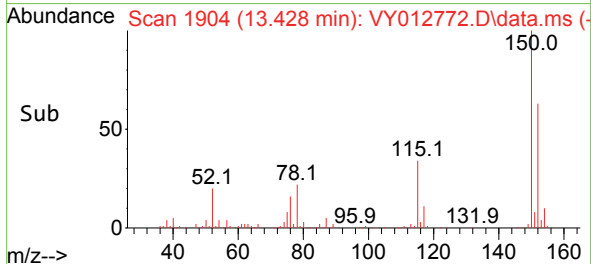
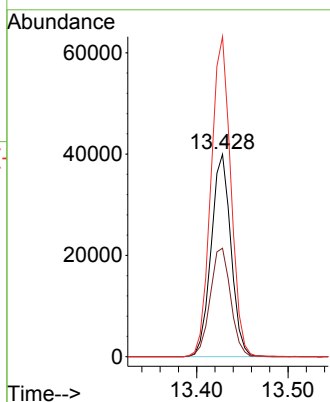
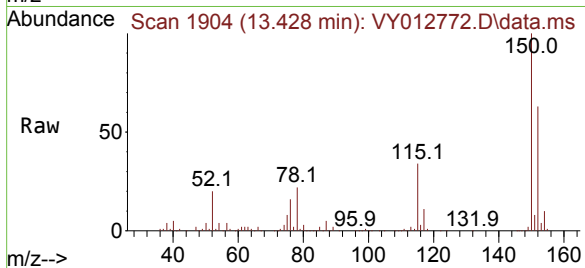




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012772.D
 Acq: 02 Mar 2023 20:24

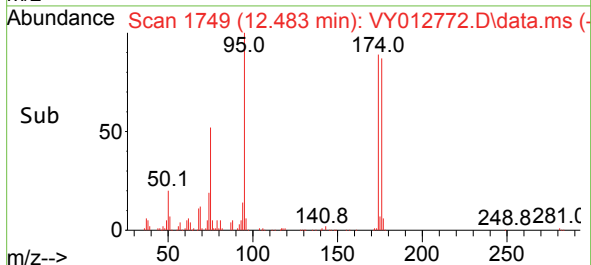
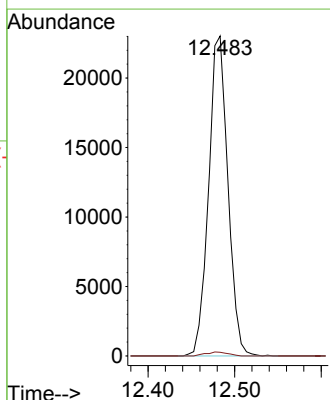
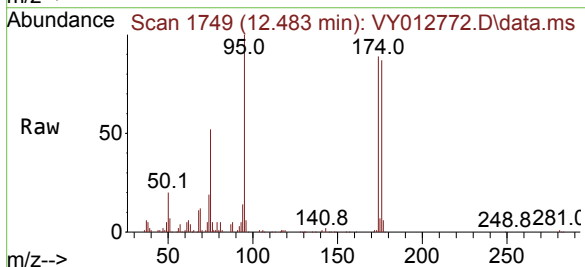
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-3-GRAB-7

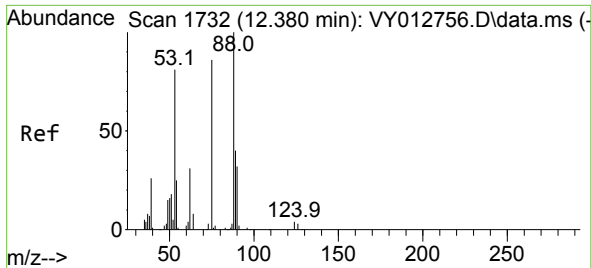
Tgt Ion:152 Resp: 59946
 Ion Ratio Lower Upper
 152 100
 115 55.7 27.1 81.3
 150 158.5 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 49.777 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012772.D
 Acq: 02 Mar 2023 20:24

Tgt Ion: 75 Resp: 35633
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.140 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012772.D
 Acq: 02 Mar 2023 20:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-3-GRAB-7

Tgt Ion: 75 Resp: 35633
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.0#
 89 0.0 36.6 55.0#

