

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014191.D
 Acq On : 15 Jun 2023 15:53
 Operator : KP/MD
 Sample : 03223-11
 Misc : 8.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-05-GRAB-6

Quant Time: Jun 16 02:09:38 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)

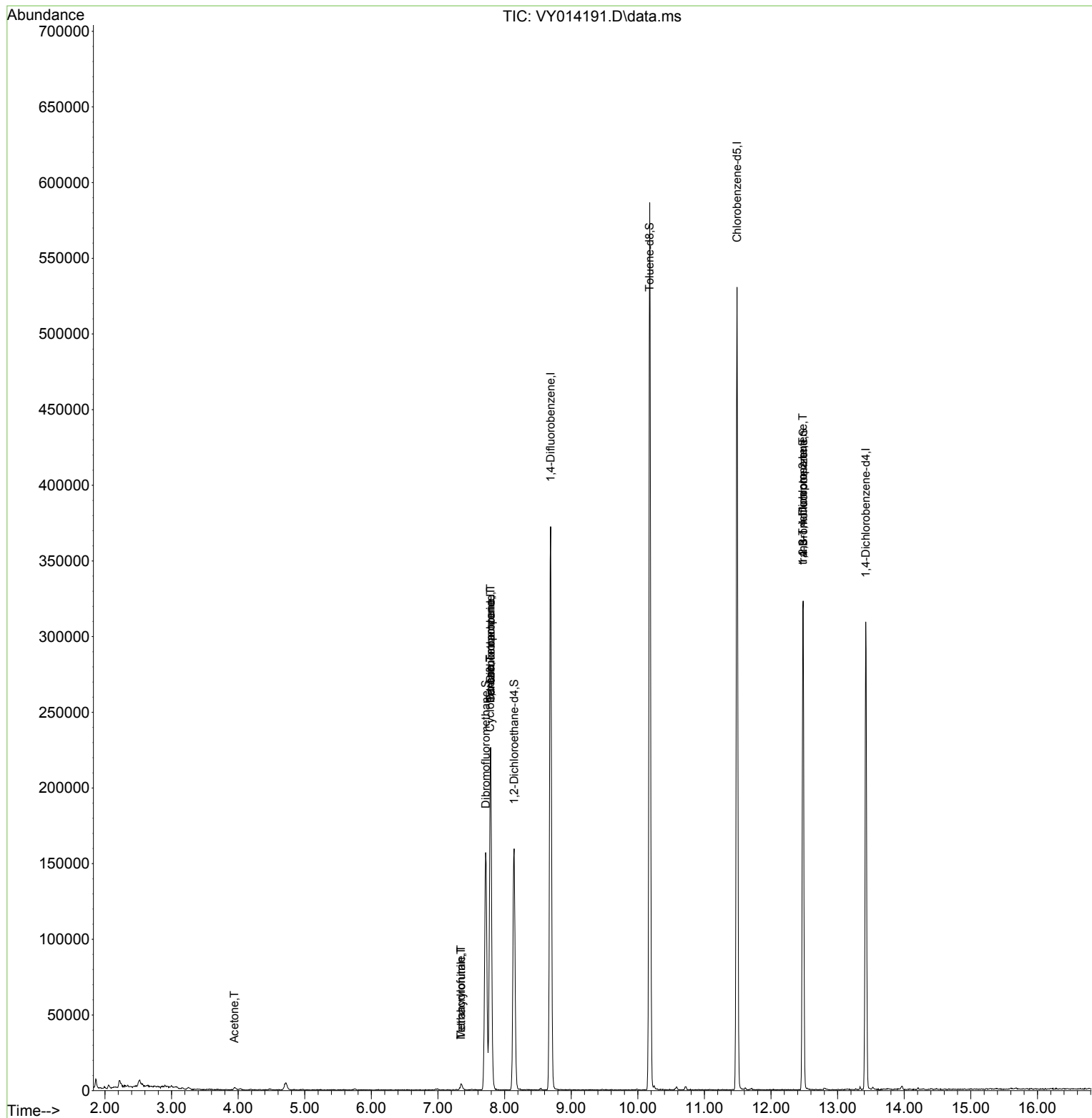
Internal Standards						
1) Pentafluorobenzene	7.789	168	172938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	305571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	274321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	133247	55.331	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.660%			
35) Dibromofluoromethane	7.716	113	106378	49.089	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.180%			
50) Toluene-d8	10.179	98	372108	45.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.860%			
62) 4-Bromofluorobenzene	12.483	95	93732	32.569	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 65.140%			
Target Compounds						
11) Tert butyl alcohol	4.942	59	433	Below Cal	#	89
16) Acetone	3.942	43	2418	3.331	ug/l #	82
20) Methylene Chloride	4.716	84	3310	Below Cal	#	91
29) Tetrahydrofuran	7.344	42	2854	5.037	ug/l	95
31) Cyclohexane	7.783	56	4006	1.242	ug/l #	26
36) 1,1-Dichloropropene	7.789	75	12895	3.817	ug/l #	52
38) Carbon Tetrachloride	7.789	117	17095	4.385	ug/l #	16
41) Methacrylonitrile	7.344	41	1779	1.495	ug/l #	45
76) 1,2,3-Trichloropropane	12.477	75	51857	48.076	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51857	103.922	ug/l #	11

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

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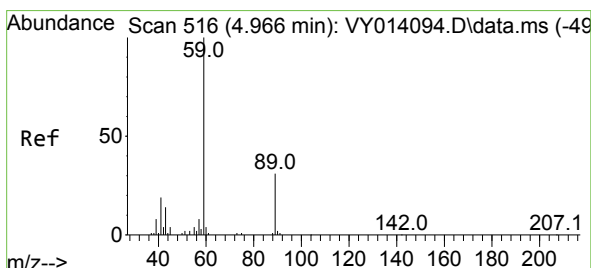
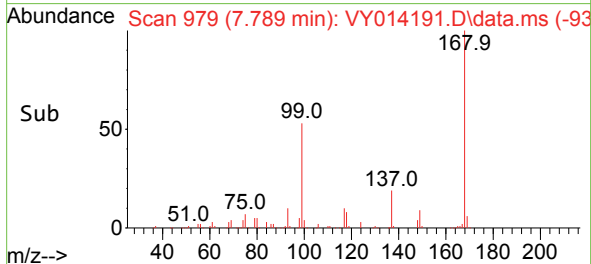
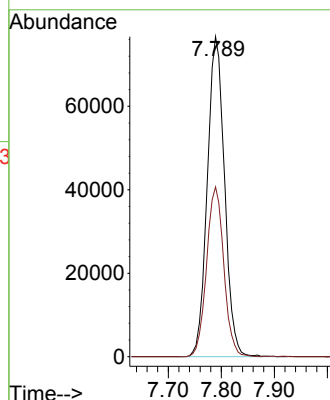
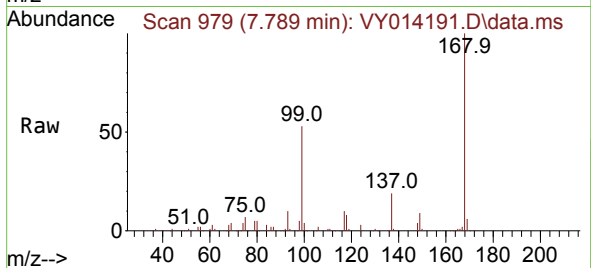




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014191.D
Acq: 15 Jun 2023 15:53

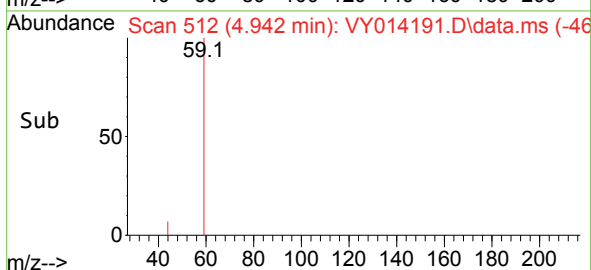
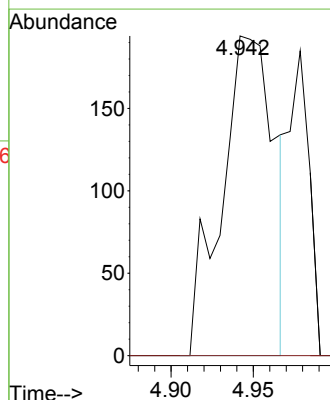
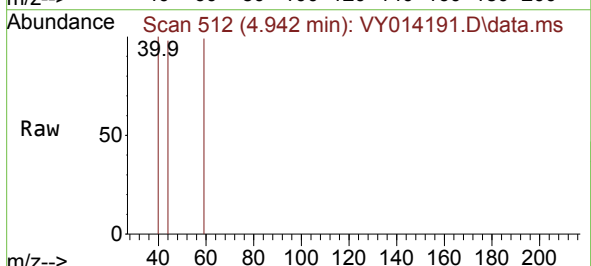
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-6

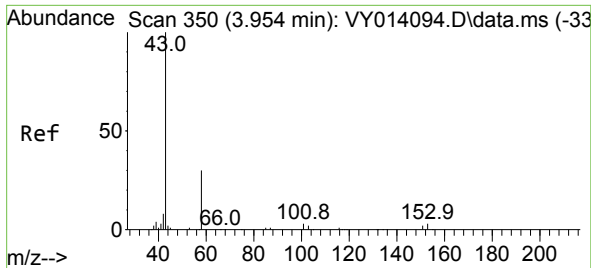
Tgt Ion:168 Resp: 172938
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY014191.D
Acq: 15 Jun 2023 15:53

Tgt Ion: 59 Resp: 433
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 3.331 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

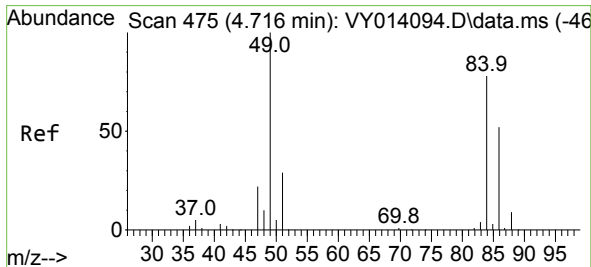
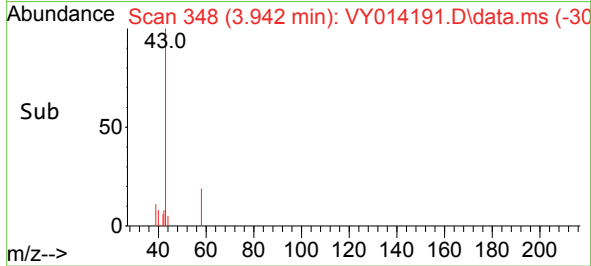
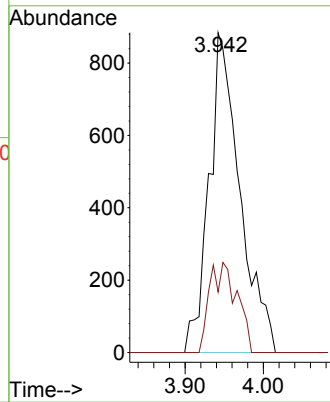
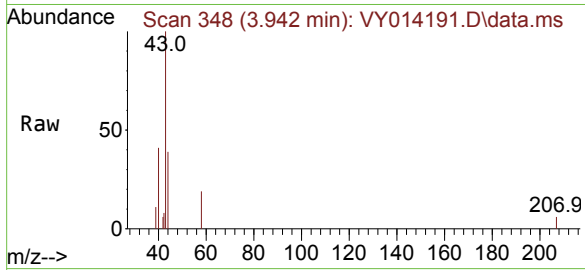
TOTAL-VOC-SB-05-GRAB-6

Tgt Ion: 43 Resp: 2418

Ion Ratio Lower Upper

43 100

58 18.9 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

Tgt Ion: 84 Resp: 3310

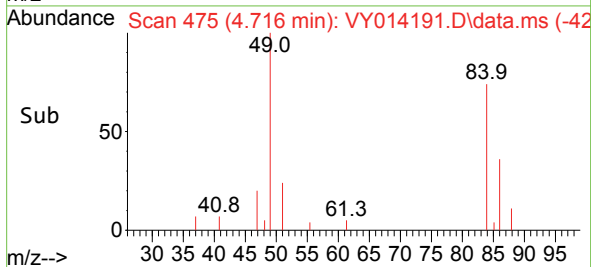
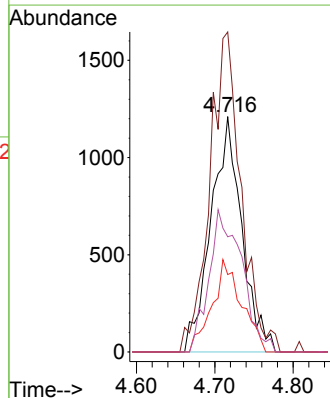
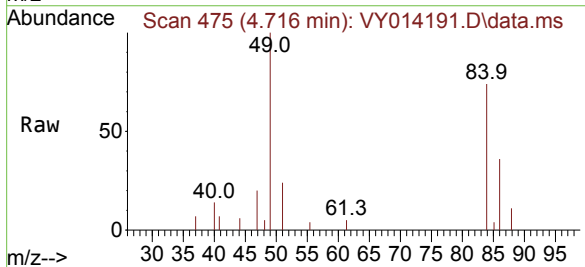
Ion Ratio Lower Upper

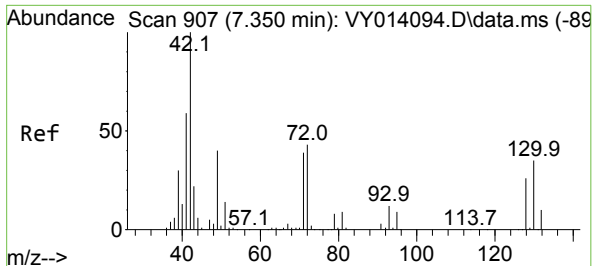
84 100

49 135.9 106.9 160.3

51 32.9 33.2 49.8#

86 49.0 51.0 76.6#





#29

Tetrahydrofuran

Concen: 5.037 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY014191.D

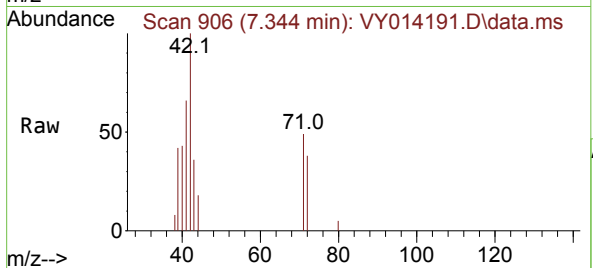
Acq: 15 Jun 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-05-GRAB-6



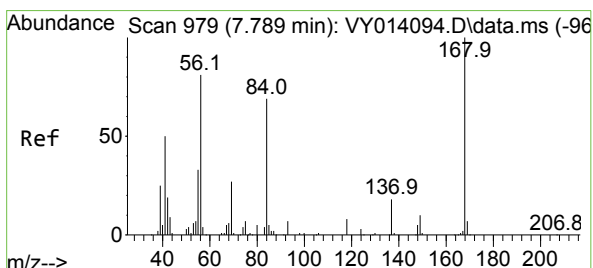
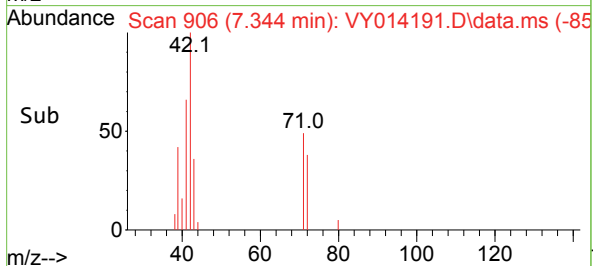
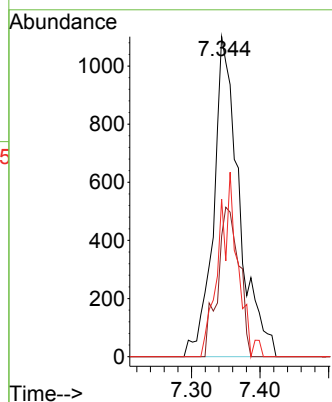
Tgt Ion: 42 Resp: 2854

Ion Ratio Lower Upper

42 100

72 39.1 32.8 49.2

71 43.0 31.0 46.4



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

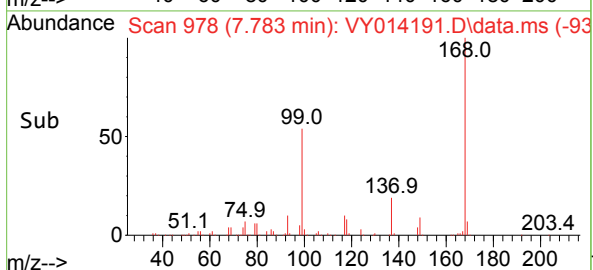
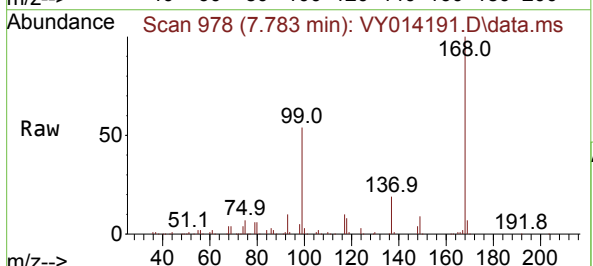
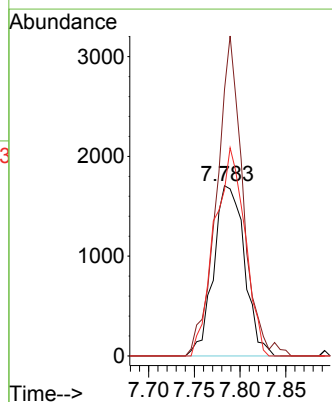
Tgt Ion: 56 Resp: 4006

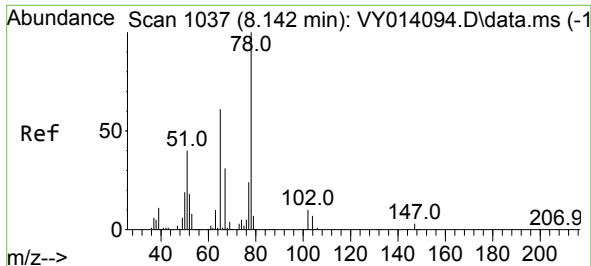
Ion Ratio Lower Upper

56 100

69 156.5 27.8 41.6#

84 97.6 66.4 99.6

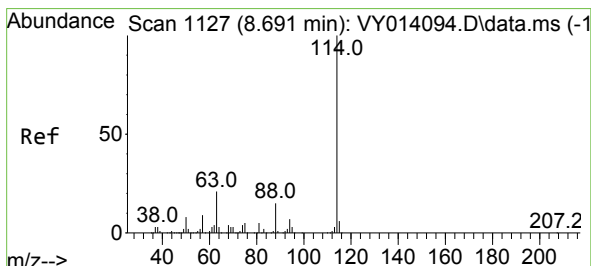
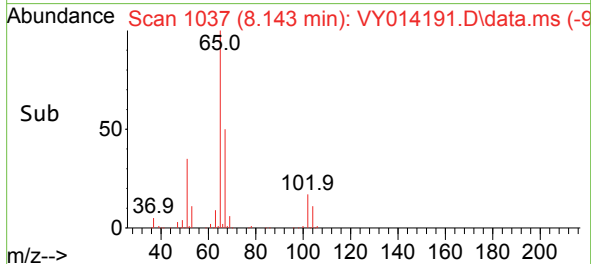
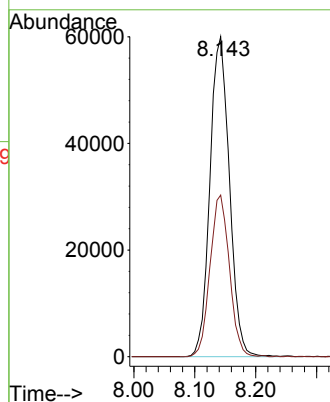
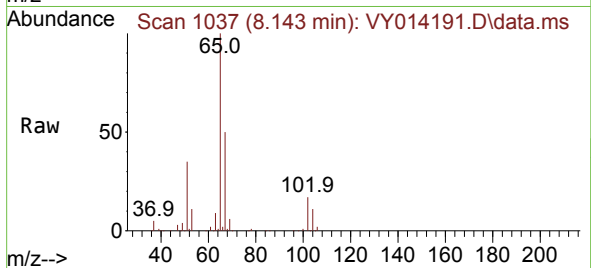




#33
 1,2-Dichloroethane-d4
 Concen: 55.331 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.001 min
 Lab File: VY014191.D
 Acq: 15 Jun 2023 15:53

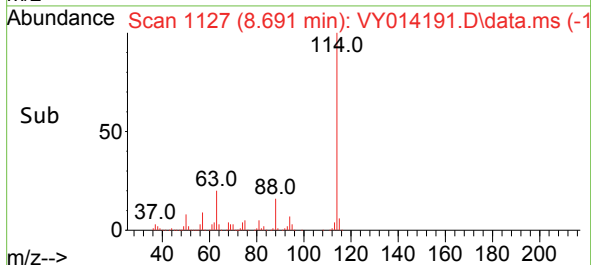
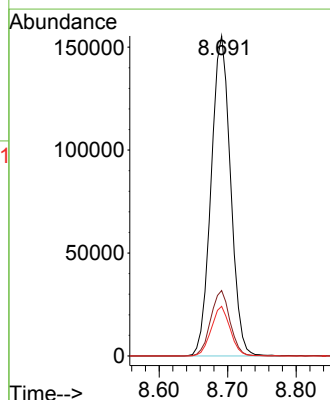
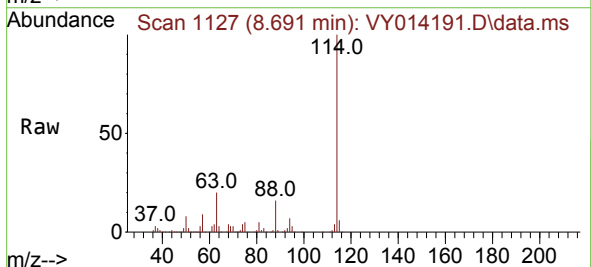
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-05-GRAB-6

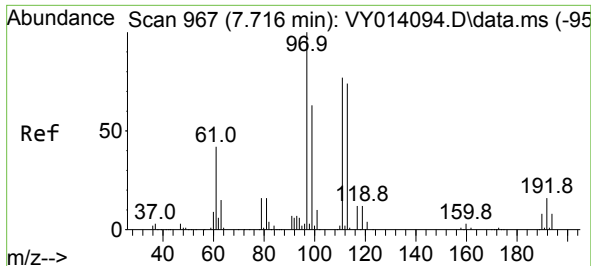
Tgt Ion: 65 Resp: 133247
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014191.D
 Acq: 15 Jun 2023 15:53

Tgt Ion: 114 Resp: 305571
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.4
 88 15.5 0.0 30.6

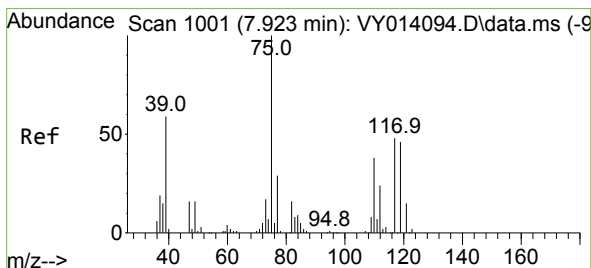
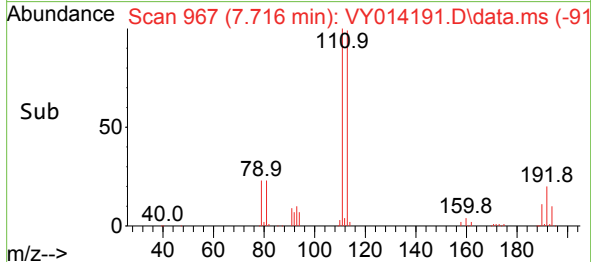
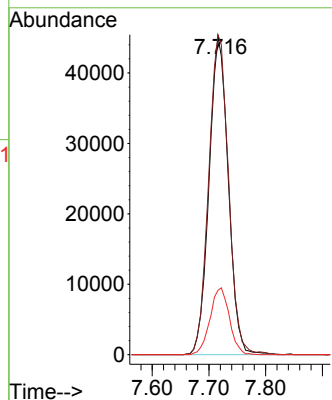
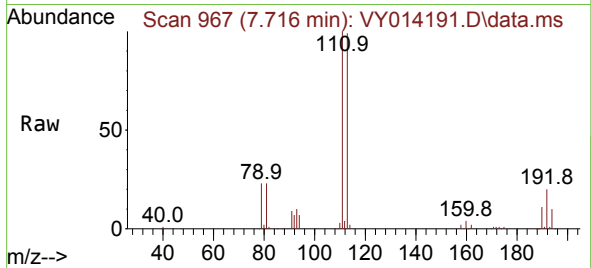




#35
Dibromofluoromethane
Concen: 49.089 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014191.D
Acq: 15 Jun 2023 15:53

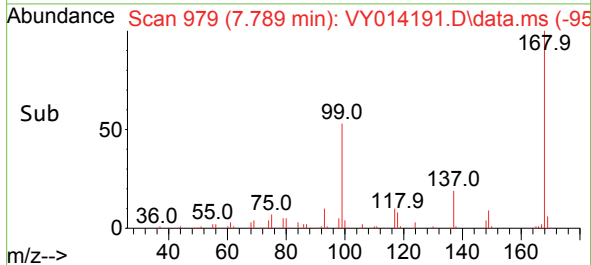
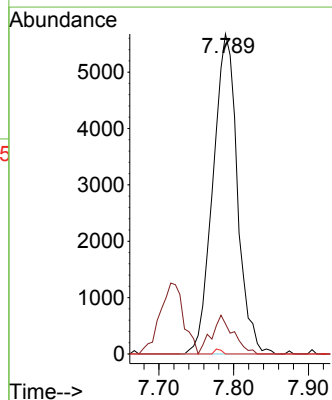
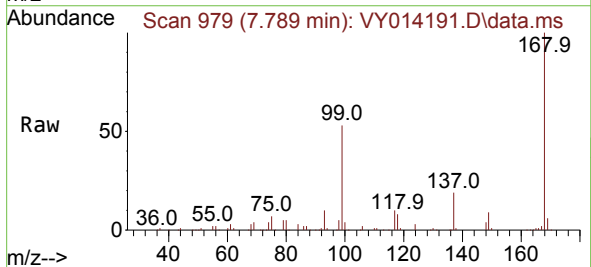
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-6

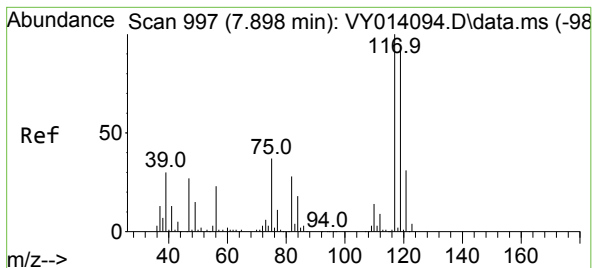
Tgt Ion:113 Resp: 106378
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 21.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.817 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014191.D
Acq: 15 Jun 2023 15:53

Tgt Ion: 75 Resp: 12895
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.4 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.385 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.109 min

Lab File: VY014191.D

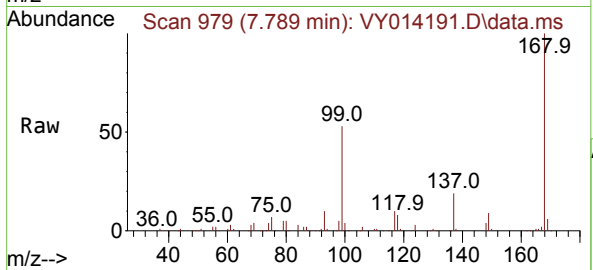
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-05-GRAB-6



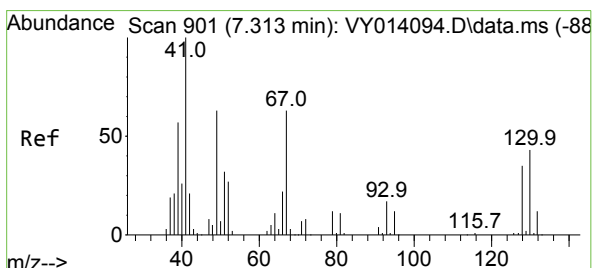
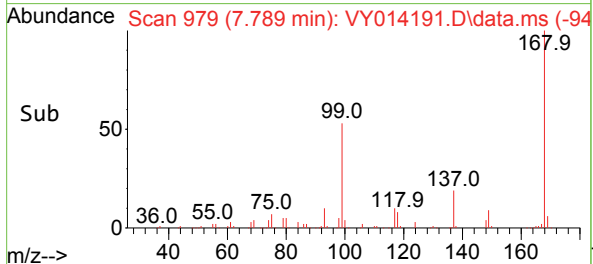
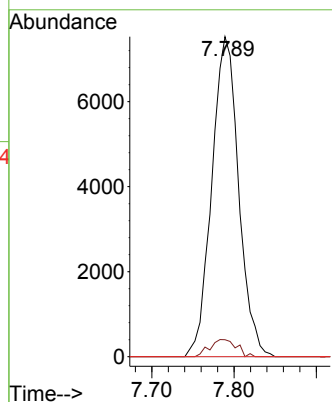
Tgt Ion:117 Resp: 17095

Ion Ratio Lower Upper

117 100

119 5.3 76.4 114.6#

121 0.0 25.8 38.6#



#41

Methacrylonitrile

Concen: 1.495 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.031 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

Tgt Ion: 41 Resp: 1779

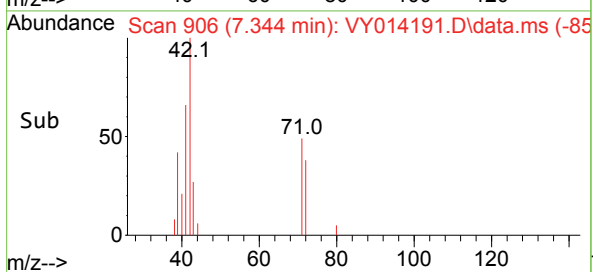
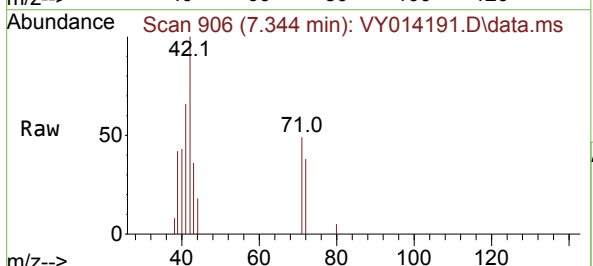
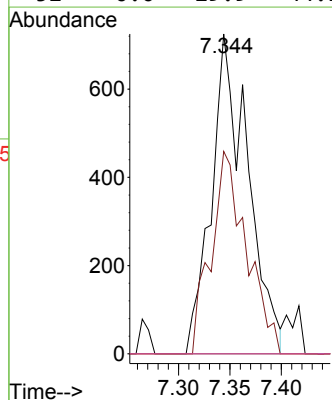
Ion Ratio Lower Upper

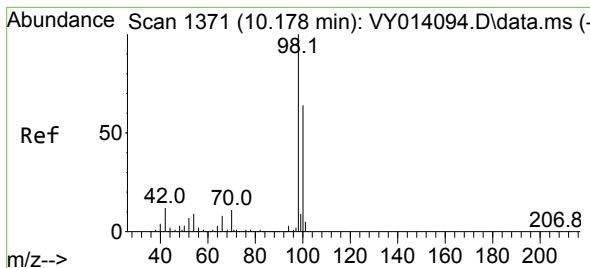
41 100

39 62.0 52.1 78.1

67 0.0 66.2 99.2#

52 0.0 29.9 44.9#





#50

Toluene-d8

Concen: 45.930 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

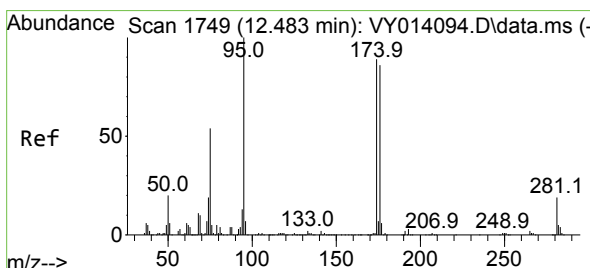
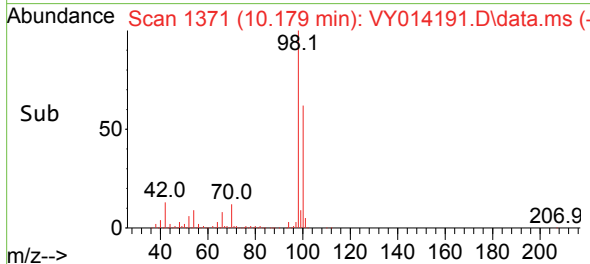
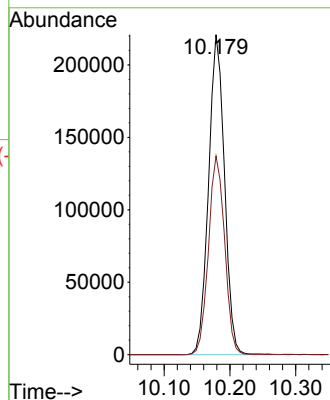
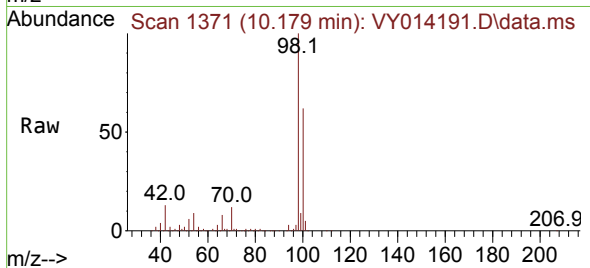
TOTAL-VOC-SB-05-GRAB-6

Tgt Ion: 98 Resp: 372108

Ion Ratio Lower Upper

98 100

100 63.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 32.569 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

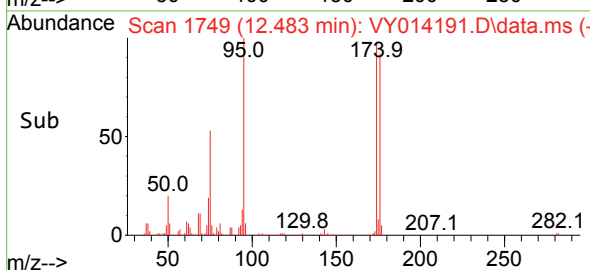
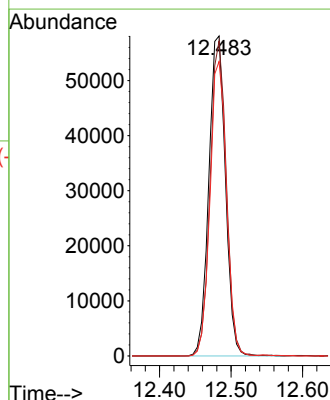
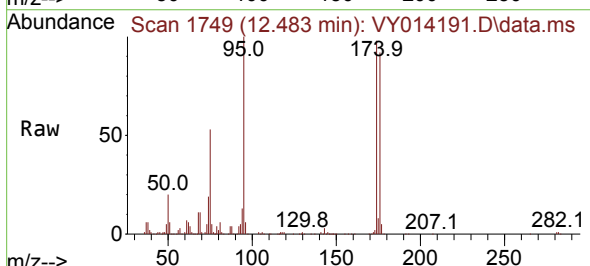
Tgt Ion: 95 Resp: 93732

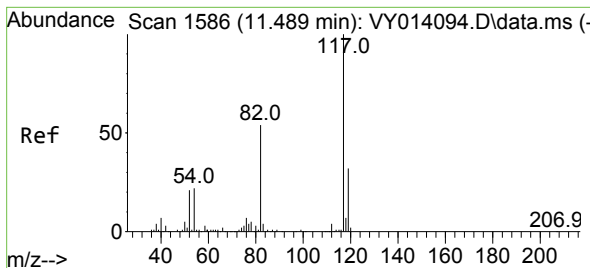
Ion Ratio Lower Upper

95 100

174 96.2 0.0 178.2

176 91.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-05-GRAB-6

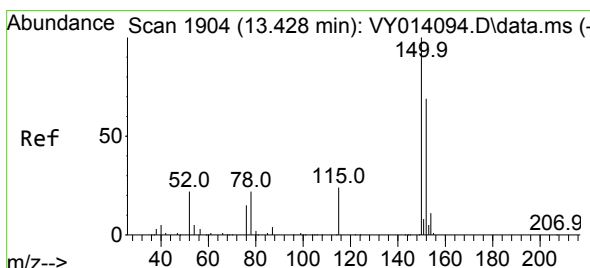
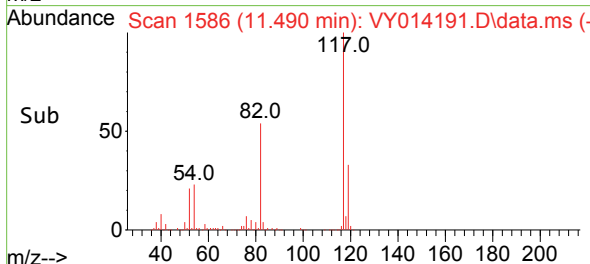
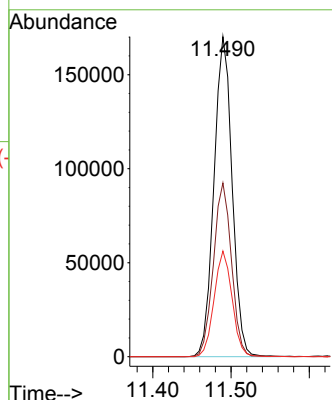
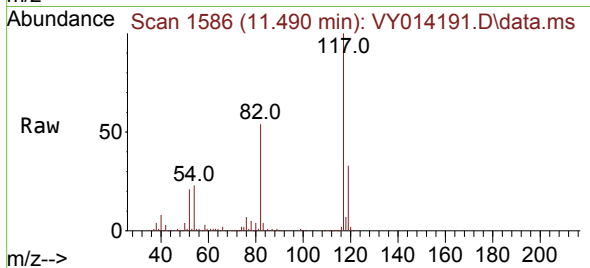
Tgt Ion:117 Resp: 274321

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 33.0 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: VY014191.D

Acq: 15 Jun 2023 15:53

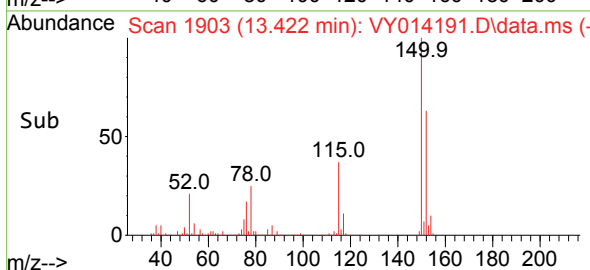
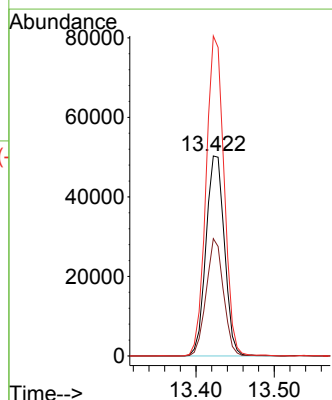
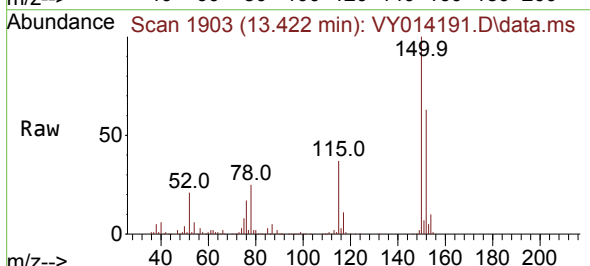
Tgt Ion:152 Resp: 82215

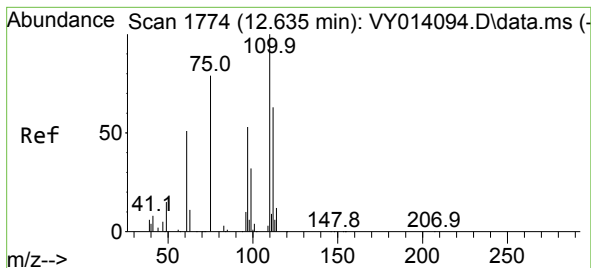
Ion Ratio Lower Upper

152 100

115 55.2 28.8 86.5

150 155.9 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 48.076 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

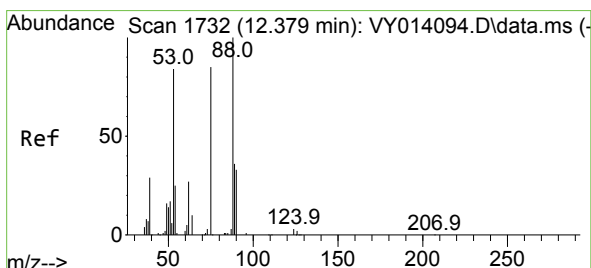
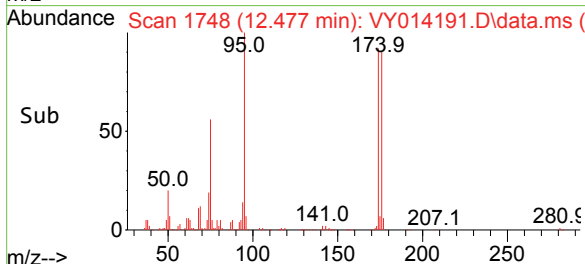
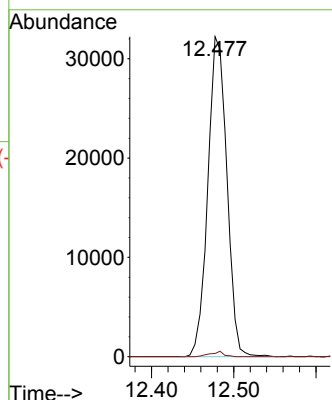
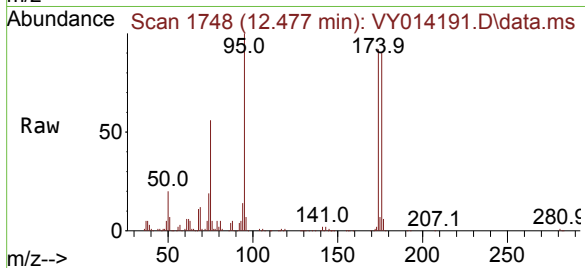
TOTAL-VOC-SB-05-GRAB-6

Tgt Ion: 75 Resp: 51857

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.922 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY014191.D

Acq: 15 Jun 2023 15:53

Tgt Ion: 75 Resp: 51857

Ion Ratio Lower Upper

75 100

53 0.2 77.8 116.8#

89 0.1 37.4 56.0#

