

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012770.D
 Acq On : 02 Mar 2023 19:39
 Operator : KP/MD
 Sample : 01739-04
 Misc : 9.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-1-GRAB-7

Quant Time: Mar 03 01:59:28 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)

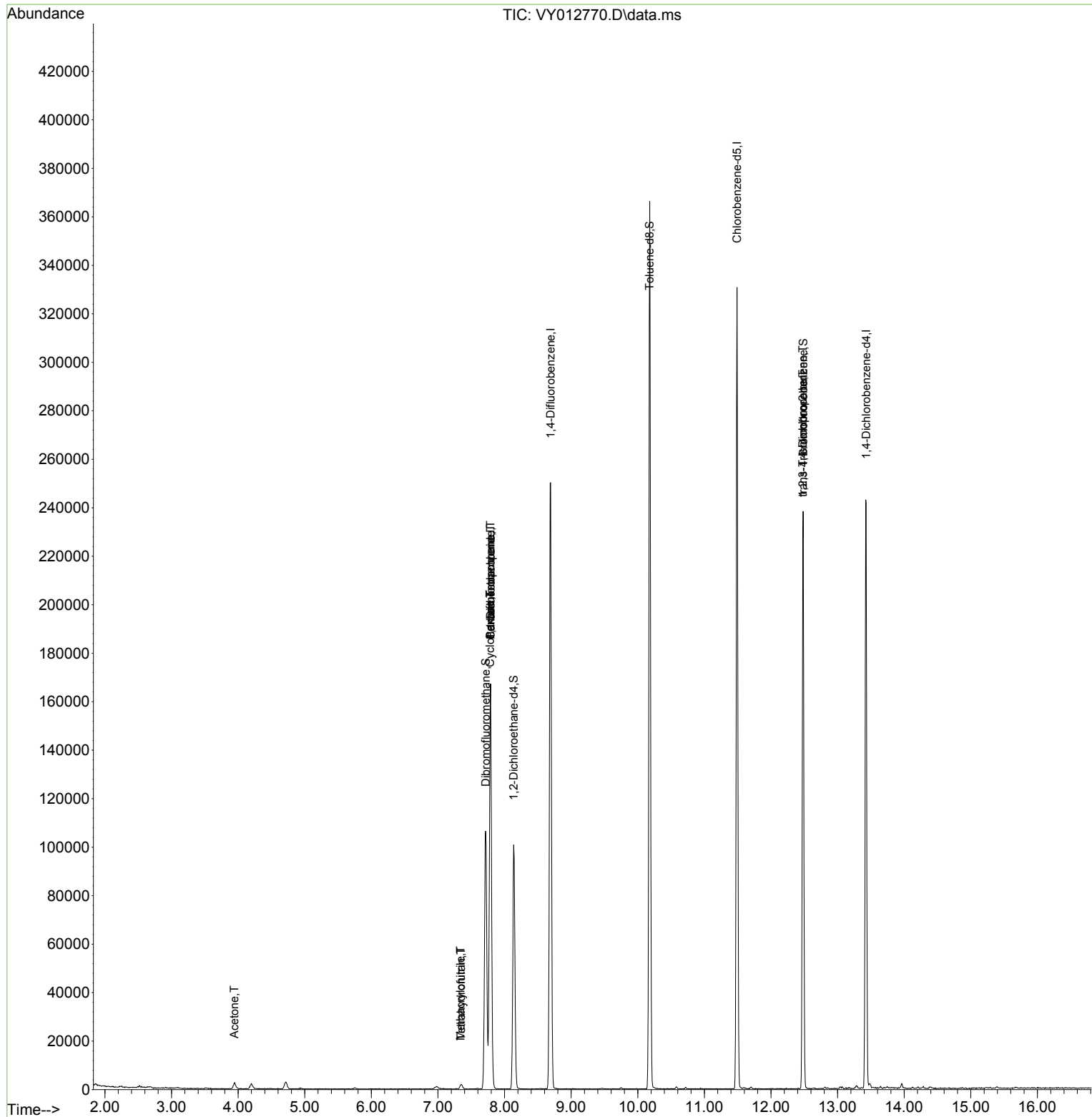
Internal Standards						
1) Pentafluorobenzene	7.789	168	129453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	216307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	169514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	76119	59.223	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.440%	
35) Dibromofluoromethane	7.716	113	75258	57.651	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.300%	
50) Toluene-d8	10.179	98	230916	48.387	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.780%	
62) 4-Bromofluorobenzene	12.483	95	69590	43.203	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	87	Below Cal	#	74
16) Acetone	3.942	43	4140	8.206	ug/l	96
20) Methylene Chloride	4.716	84	2009	Below Cal	#	88
29) Tetrahydrofuran	7.344	42	1592	4.224	ug/l	99
31) Cyclohexane	7.783	56	2780	1.129	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	9849	4.502	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	12860	5.693	ug/l	# 16
41) Methacrylonitrile	7.338	41	969	1.304	ug/l	# 100
76) 1,2,3-Trichloropropane	12.477	75	37188	48.509	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	37188	100.513	ug/l	# 13

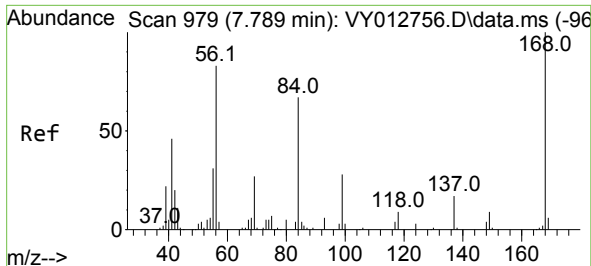
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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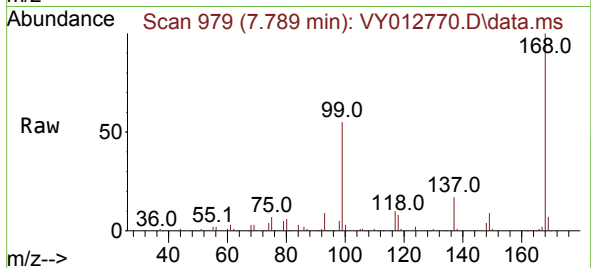
Quant Time: Mar 03 01:59:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
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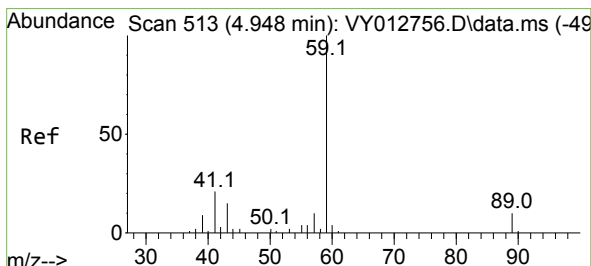
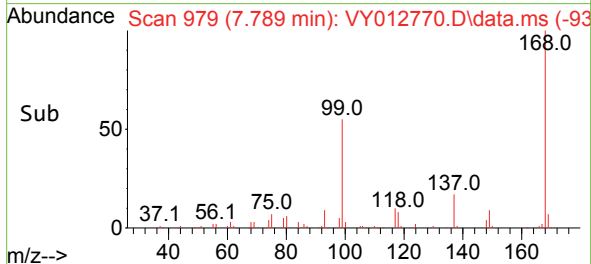
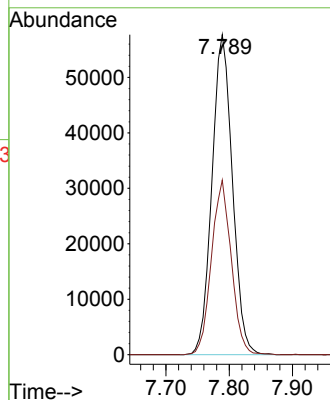


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012770.D
Acq: 02 Mar 2023 19:39

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB-7

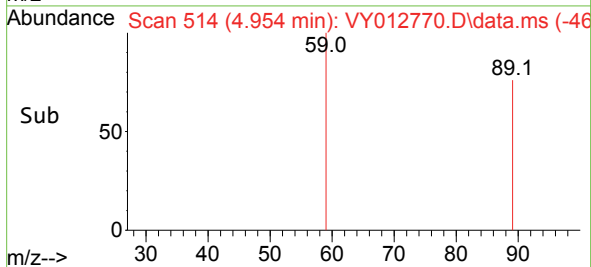
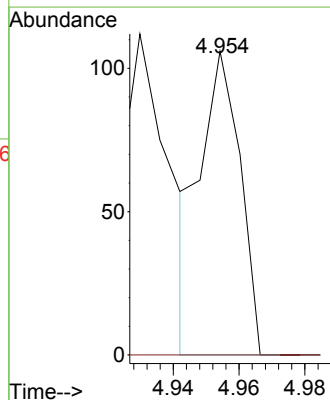
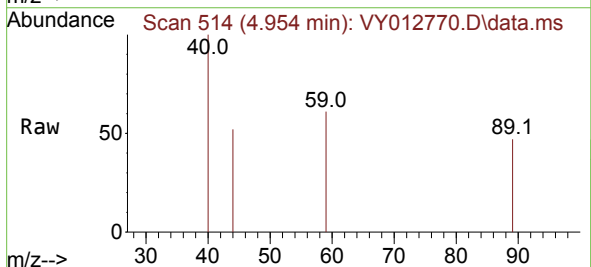


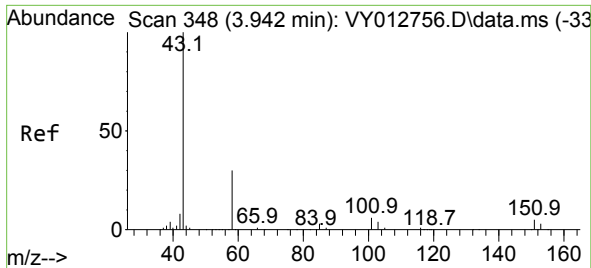
Tgt Ion:168 Resp: 129453
Ion Ratio Lower Upper
168 100
99 54.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012770.D
Acq: 02 Mar 2023 19:39

Tgt Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 8.206 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY012770.D

Acq: 02 Mar 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

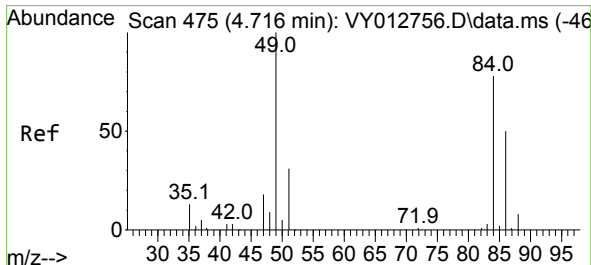
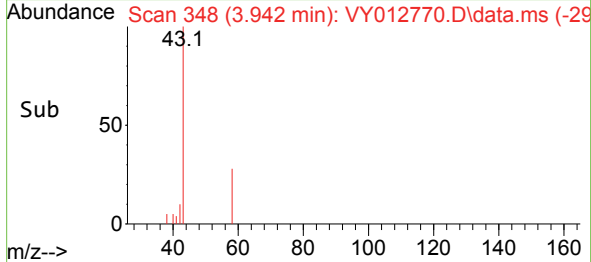
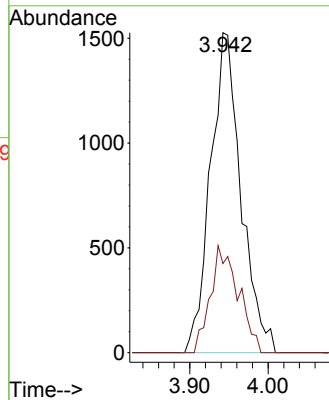
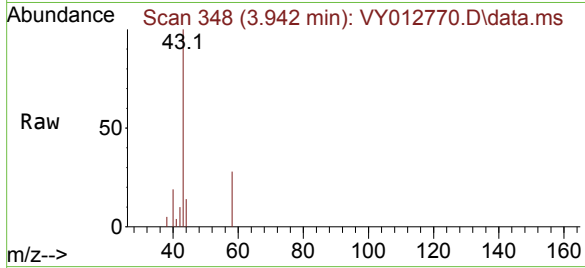
TOTAL-VOC-1-GRAB-7

Tgt Ion: 43 Resp: 4140

Ion Ratio Lower Upper

43 100

58 27.8 24.2 36.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012770.D

Acq: 02 Mar 2023 19:39

Tgt Ion: 84 Resp: 2009

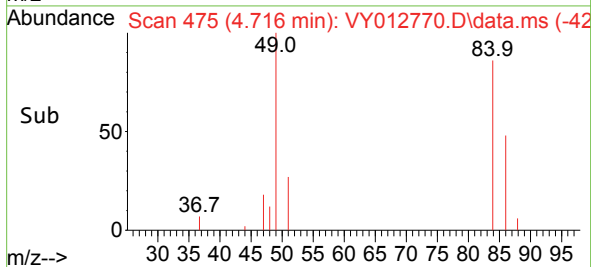
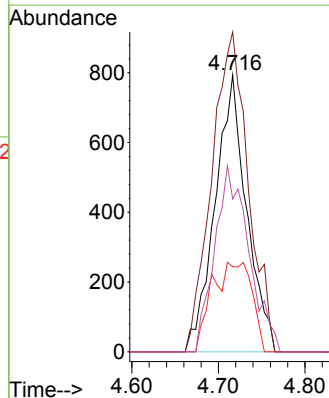
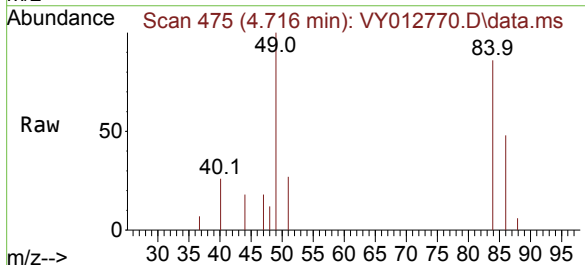
Ion Ratio Lower Upper

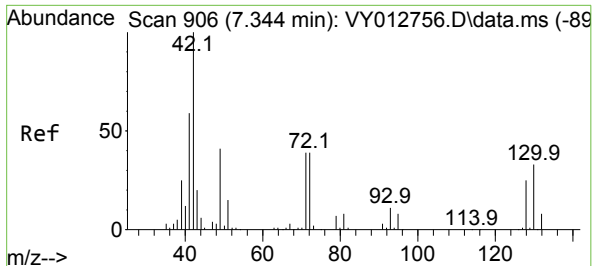
84 100

49 115.6 102.6 154.0

51 30.8 31.9 47.9#

86 55.2 51.0 76.6





#29

Tetrahydrofuran

Concen: 4.224 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY012770.D

Acq: 02 Mar 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-1-GRAB-7

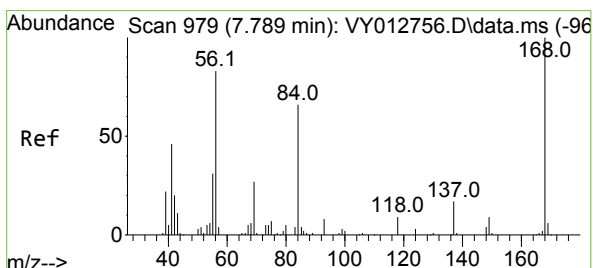
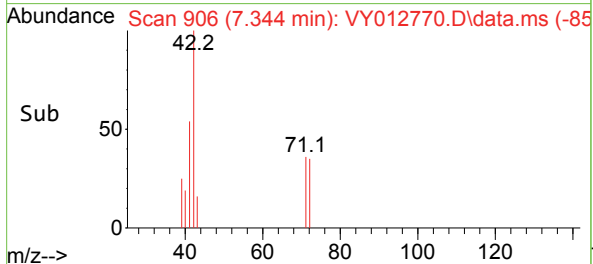
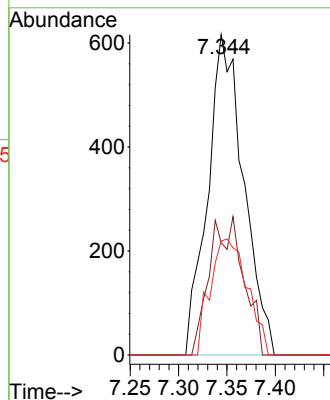
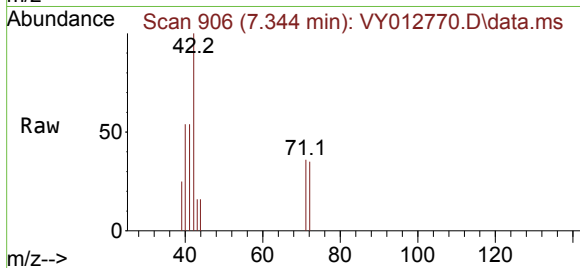
Tgt Ion: 42 Resp: 1592

Ion Ratio Lower Upper

42 100

72 40.6 32.3 48.5

71 37.4 30.3 45.5



#31

Cyclohexane

Concen: 1.129 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY012770.D

Acq: 02 Mar 2023 19:39

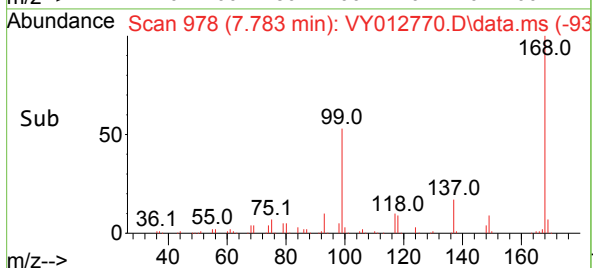
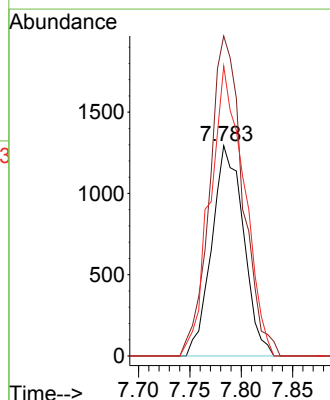
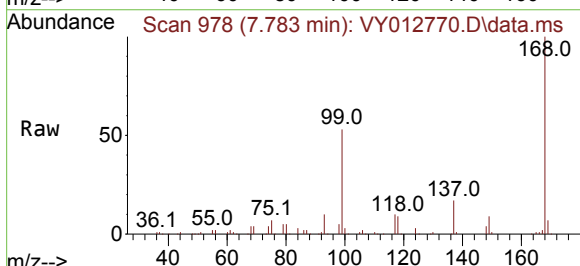
Tgt Ion: 56 Resp: 2780

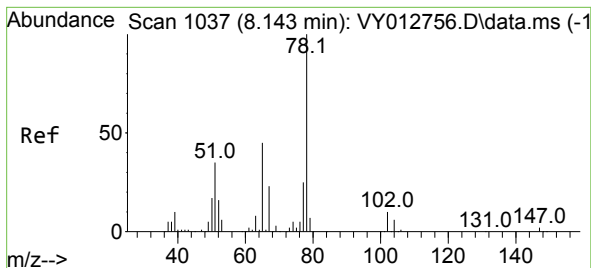
Ion Ratio Lower Upper

56 100

69 152.2 25.7 38.5#

84 137.9 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 59.223 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012770.D

Acq: 02 Mar 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

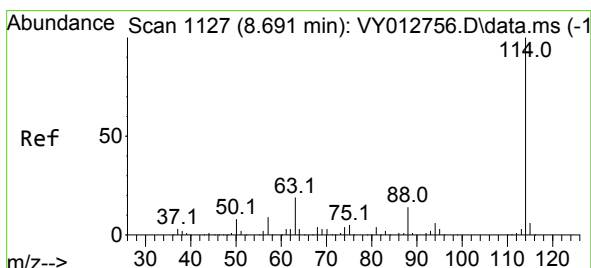
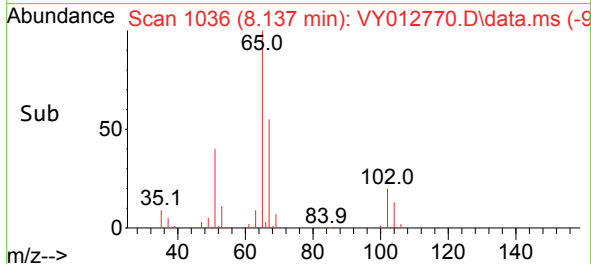
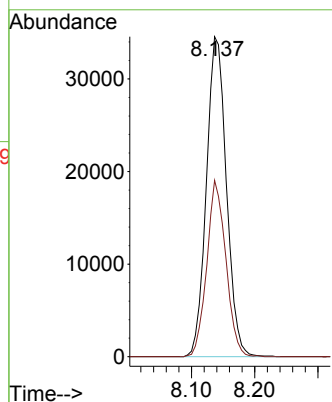
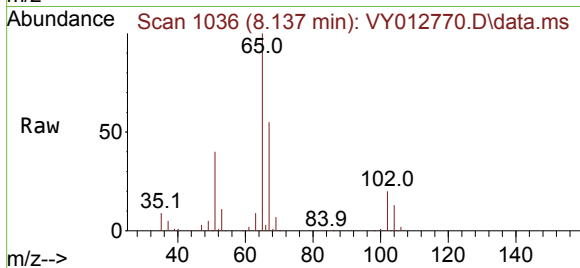
TOTAL-VOC-1-GRAB-7

Tgt Ion: 65 Resp: 76119

Ion Ratio Lower Upper

65 100

67 52.5 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: VY012770.D

Acq: 02 Mar 2023 19:39

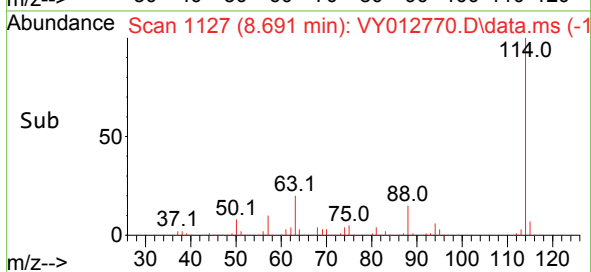
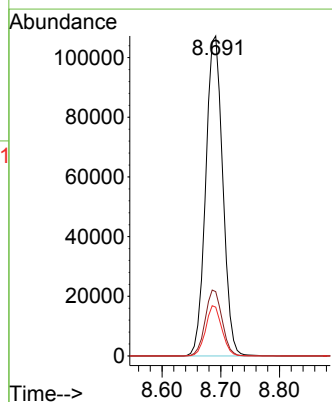
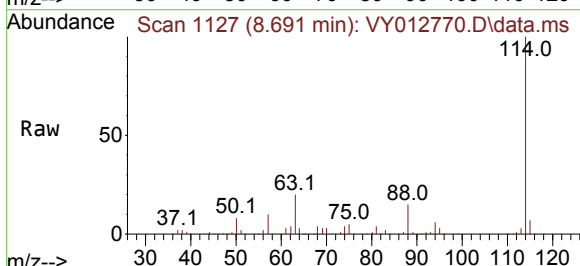
Tgt Ion:114 Resp: 216307

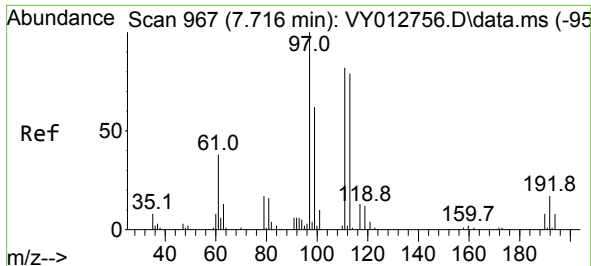
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 15.2 0.0 28.6

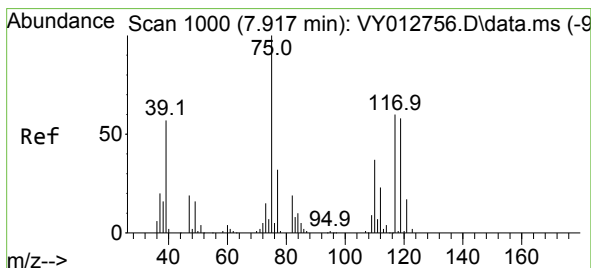
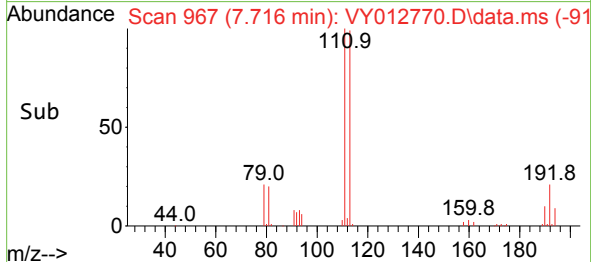
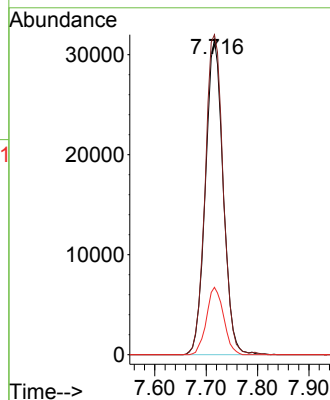
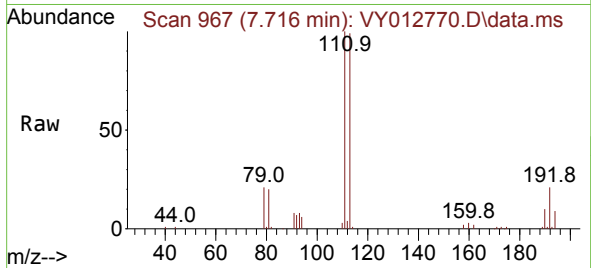




#35
Dibromofluoromethane
Concen: 57.651 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY012770.D
Acq: 02 Mar 2023 19:39

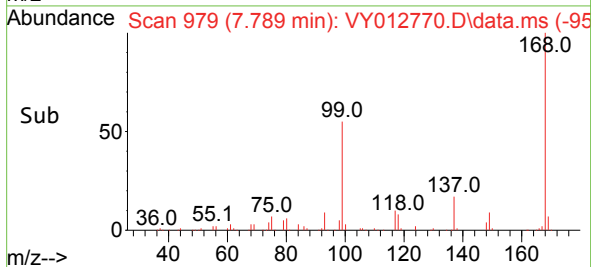
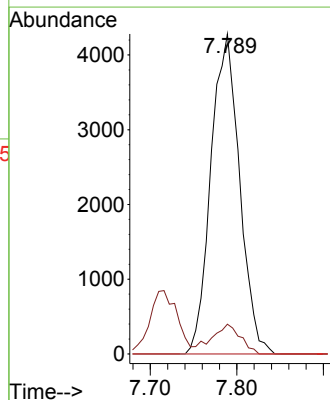
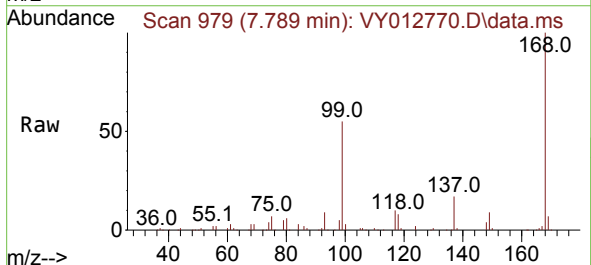
Instrument :
MSVOA_Y
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TOTAL-VOC-1-GRAB-7

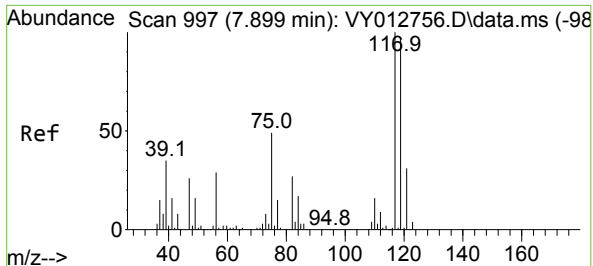
Tgt Ion:113 Resp: 75258
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 20.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.502 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012770.D
Acq: 02 Mar 2023 19:39

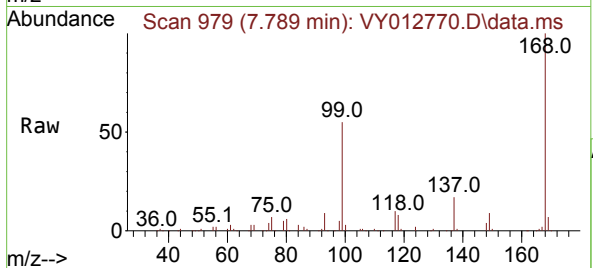
Tgt Ion: 75 Resp: 9849
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 25.0 37.4#



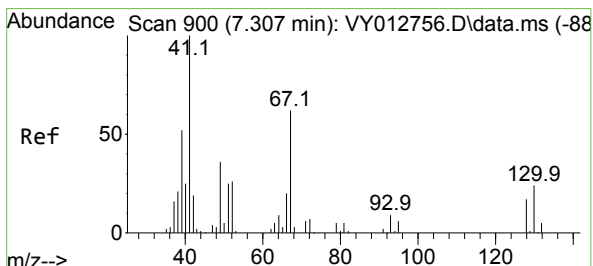
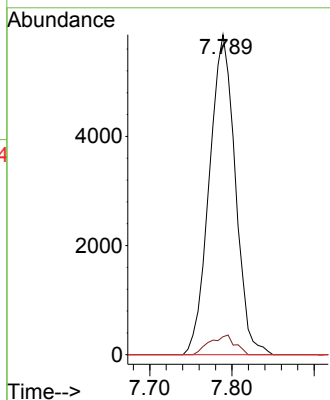
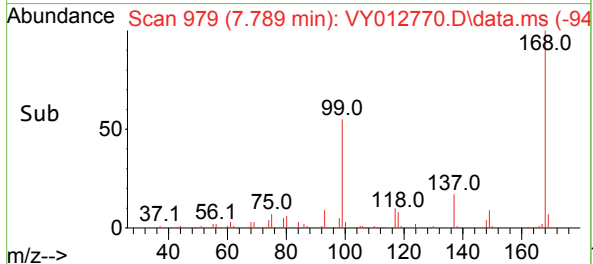


#38
Carbon Tetrachloride
Concen: 5.693 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY012770.D
Acq: 02 Mar 2023 19:39

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB-7

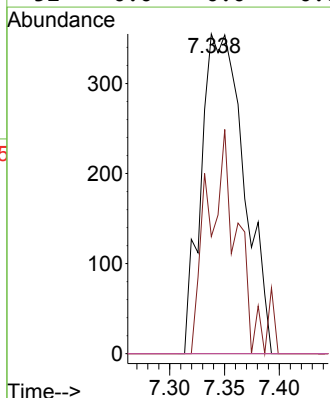
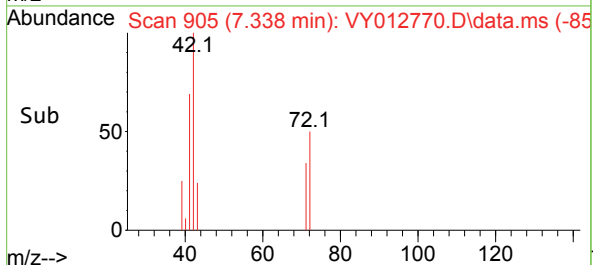
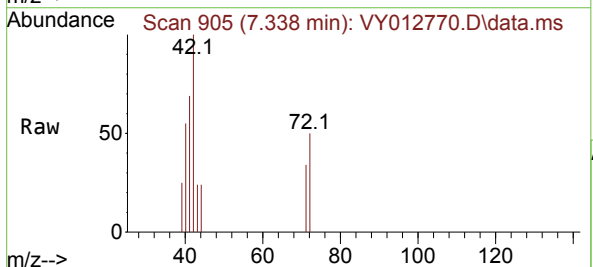


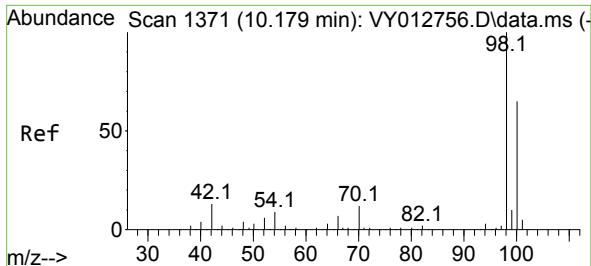
Tgt Ion:117 Resp: 12860
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 1.304 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.031 min
Lab File: VY012770.D
Acq: 02 Mar 2023 19:39

Tgt Ion: 41 Resp: 969
Ion Ratio Lower Upper
41 100
39 47.7 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

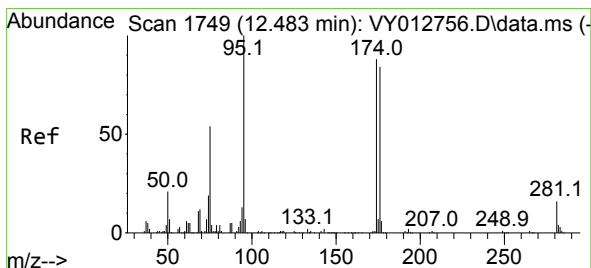
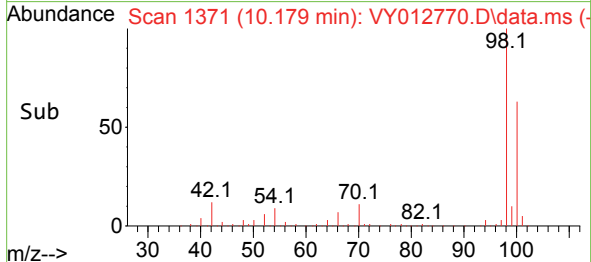
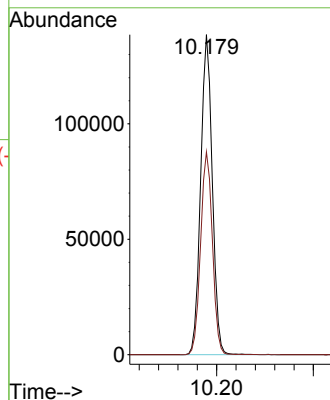
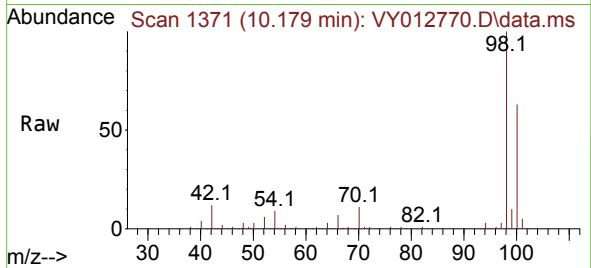




#50
Toluene-d8
Concen: 48.387 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012770.D
Acq: 02 Mar 2023 19:39

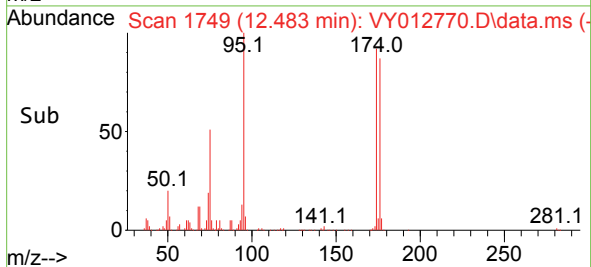
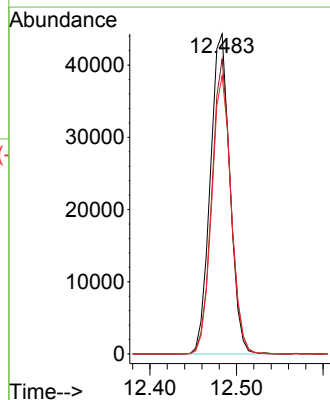
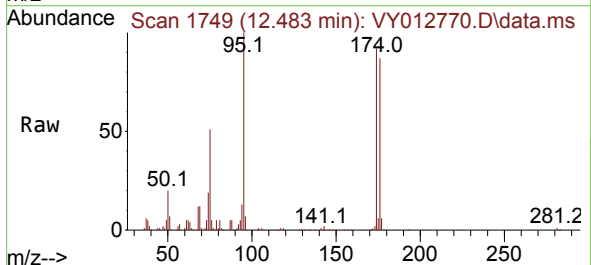
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-1-GRAB-7

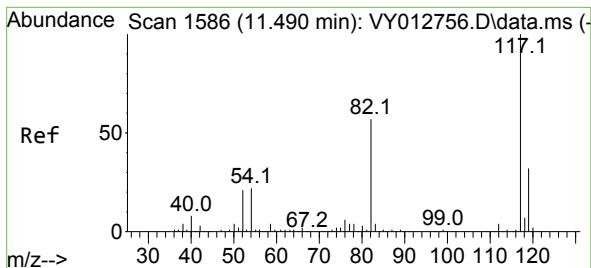
Tgt Ion: 98 Resp: 230916
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.203 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012770.D
Acq: 02 Mar 2023 19:39

Tgt Ion: 95 Resp: 69590
Ion Ratio Lower Upper
95 100
174 89.6 0.0 176.6
176 86.3 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012770.D

Acq: 02 Mar 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-1-GRAB-7

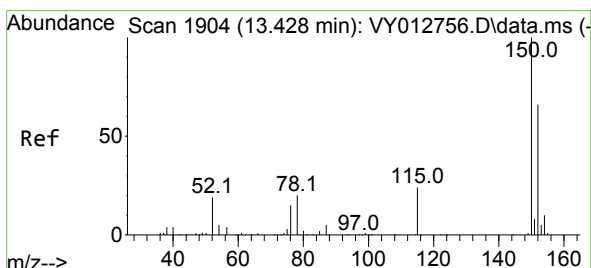
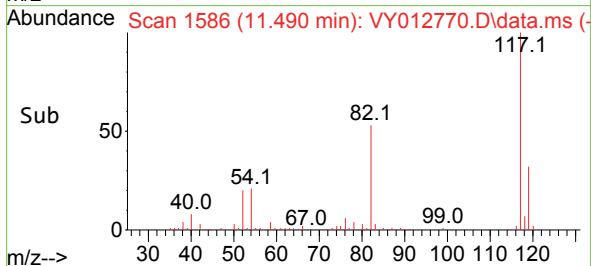
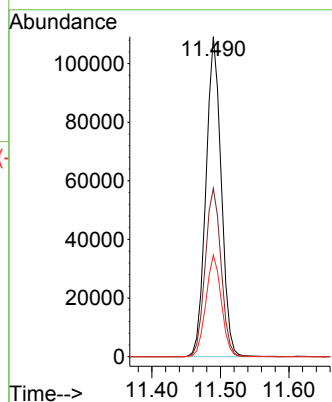
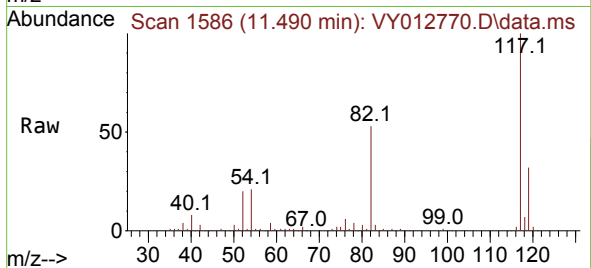
Tgt Ion:117 Resp: 169514

Ion Ratio Lower Upper

117 100

82 52.5 45.4 68.0

119 31.8 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: VY012770.D

Acq: 02 Mar 2023 19:39

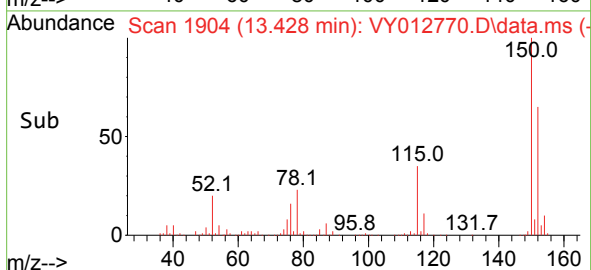
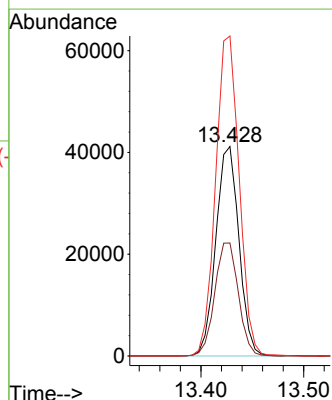
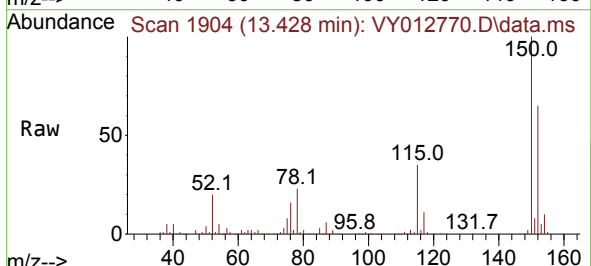
Tgt Ion:152 Resp: 64197

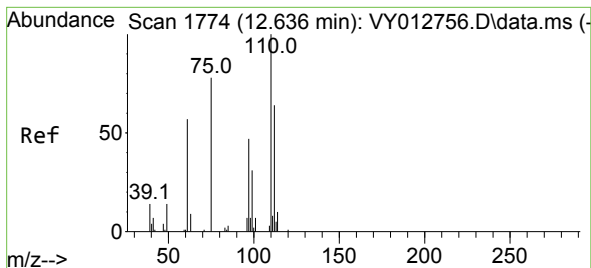
Ion Ratio Lower Upper

152 100

115 55.2 27.1 81.3

150 155.6 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 48.509 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY012770.D

Acq: 02 Mar 2023 19:39

Instrument :

MSVOA_Y

ClientSampleId :

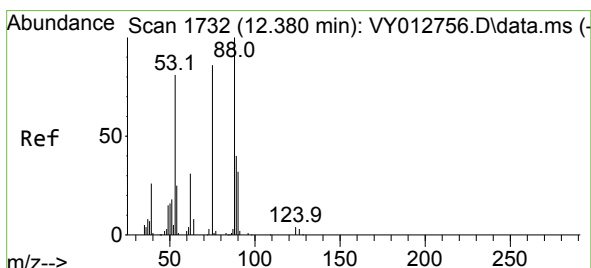
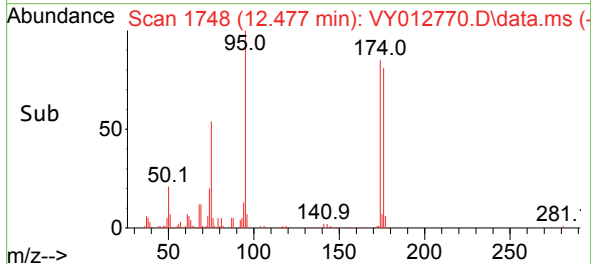
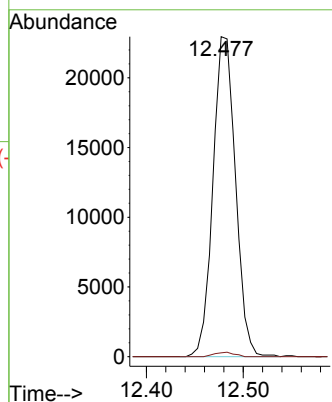
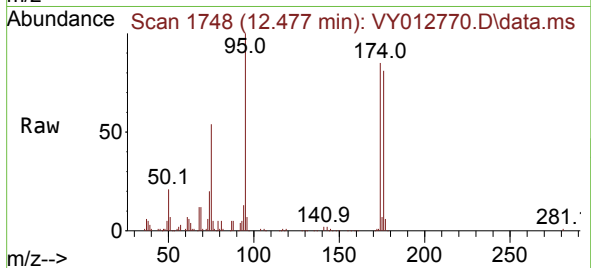
TOTAL-VOC-1-GRAB-7

Tgt Ion: 75 Resp: 37188

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.513 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY012770.D

Acq: 02 Mar 2023 19:39

Tgt Ion: 75 Resp: 37188

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.0#

89 0.1 36.6 55.0#

