

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012723\
 Data File : VY012385.D
 Acq On : 27 Jan 2023 15:53
 Operator : KP/MD
 Sample : 01328-10
 Misc : 9.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-2-BORING-1-7-14-GRAB-8

Quant Time: Jan 30 02:43:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

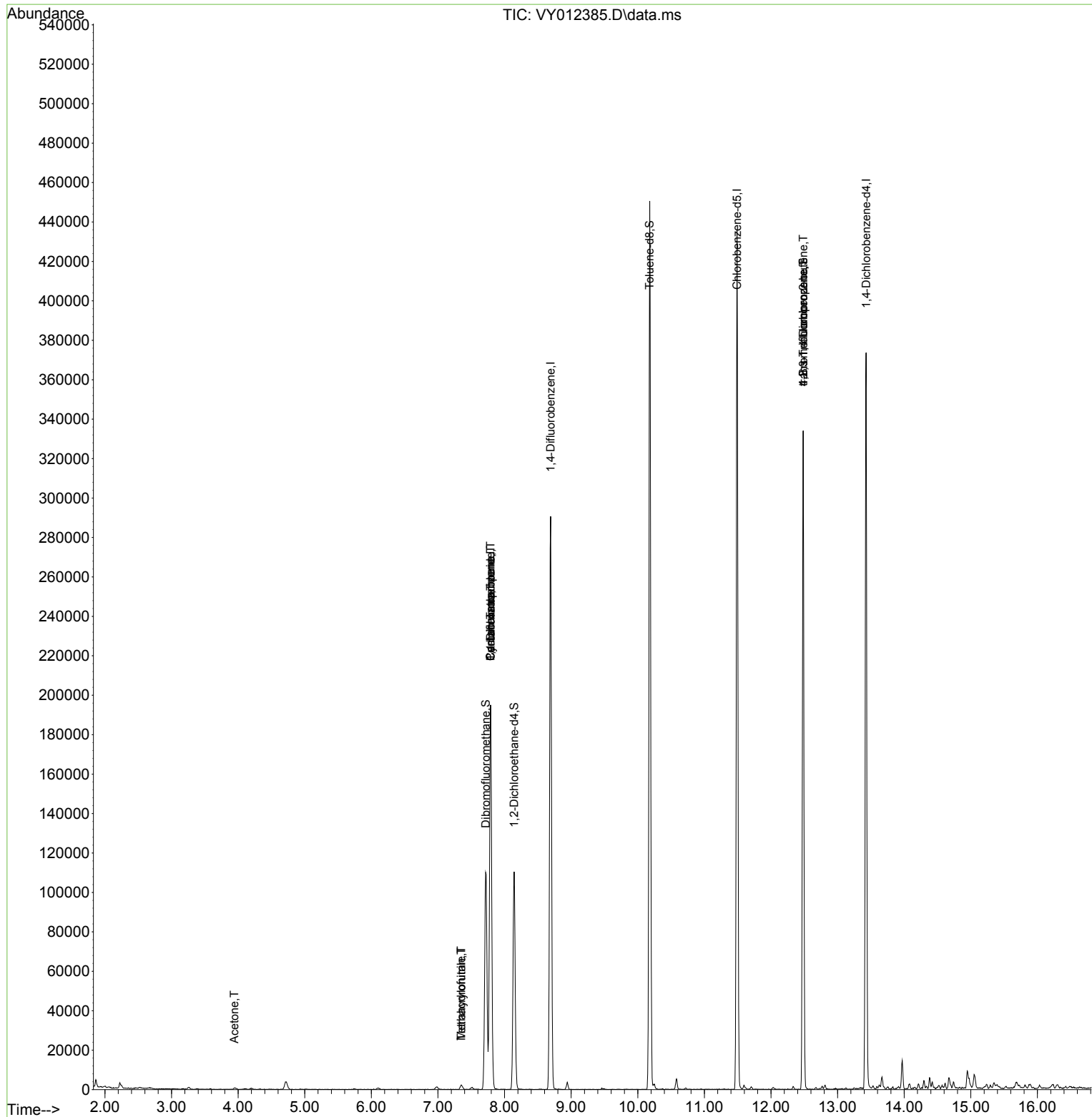
Internal Standards						
1) Pentafluorobenzene	7.789	168	155207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	257733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	243680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	94401	75.374	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 150.740%			
35) Dibromofluoromethane	7.716	113	76865	56.324	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.640%			
50) Toluene-d8	10.179	98	302823	65.375	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 130.760%			
62) 4-Bromofluorobenzene	12.483	95	95600	49.693	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.380%			
Target Compounds						
11) Tert butyl alcohol	4.960	59	205	Below Cal	#	74
16) Acetone	3.942	43	1454	3.364	ug/l #	78
20) Methylene Chloride	4.716	84	3539	Below Cal	#	73
29) Tetrahydrofuran	7.350	42	1532	5.846	ug/l #	75
31) Cyclohexane	7.789	56	2678	1.183	ug/l #	32
36) 1,1-Dichloropropene	7.789	75	10609	4.574	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15287	5.103	ug/l #	17
41) Methacrylonitrile	7.350	41	927	1.542	ug/l #	100
76) 1,2,3-Trichloropropane	12.483	75	51736	55.378	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51736	114.102	ug/l #	13

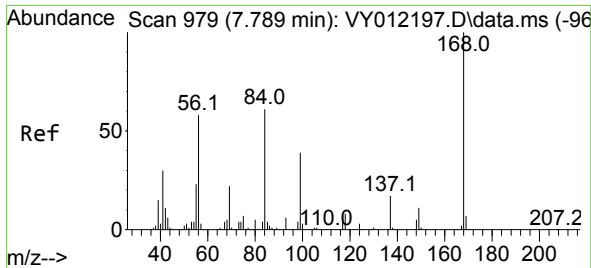
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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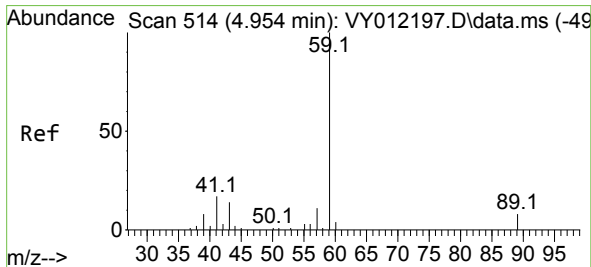
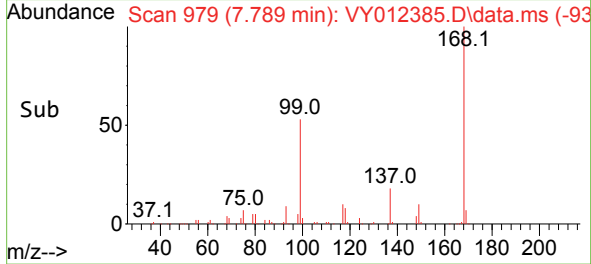
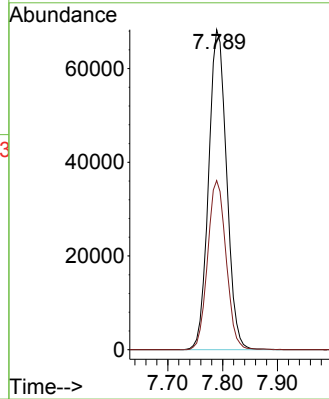
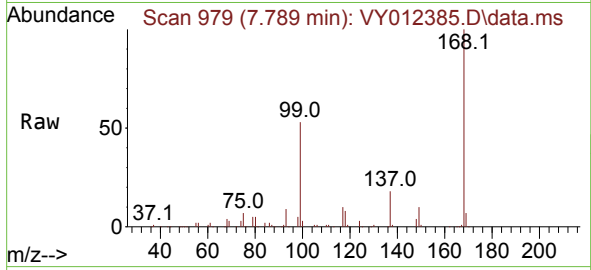




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012385.D
Acq: 27 Jan 2023 15:53

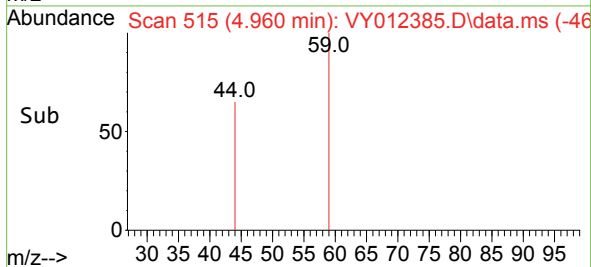
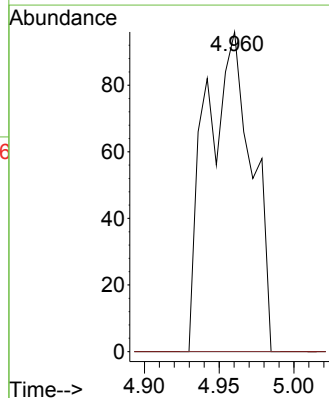
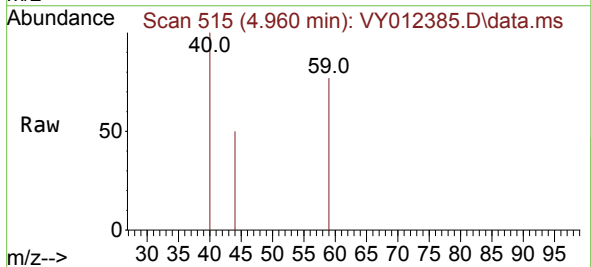
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-BORING-1-7-14-GRAB-8

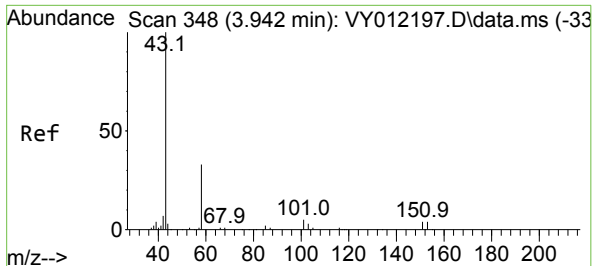
Tgt Ion:168 Resp: 155207
Ion Ratio Lower Upper
168 100
99 52.8 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012385.D
Acq: 27 Jan 2023 15:53

Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 3.364 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY012385.D

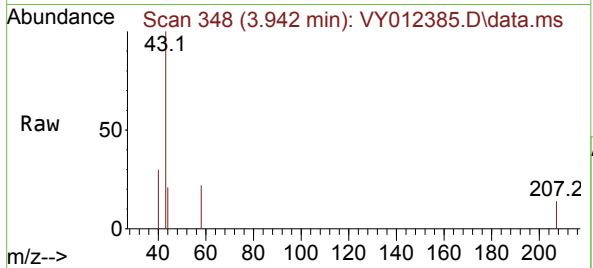
Acq: 27 Jan 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-2-BORING-1-7-14-GRAB-8

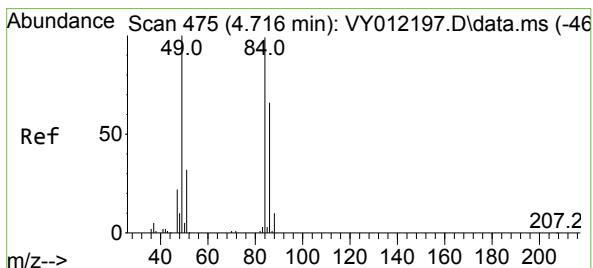
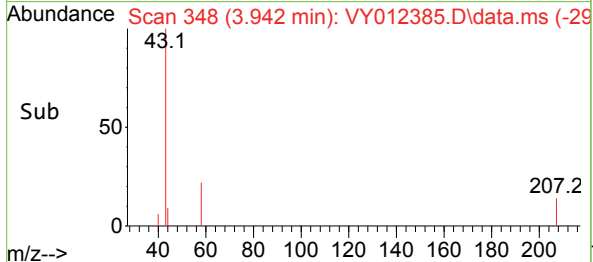
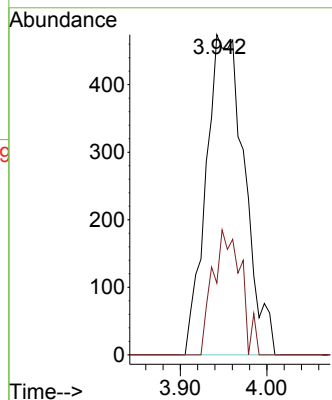


Tgt Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

58 22.4 27.9 41.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012385.D

Acq: 27 Jan 2023 15:53

Tgt Ion: 84 Resp: 3539

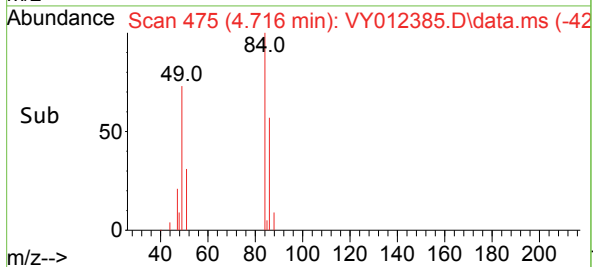
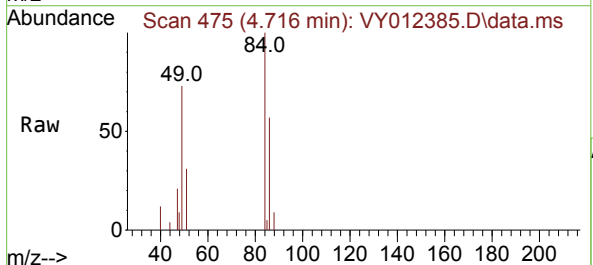
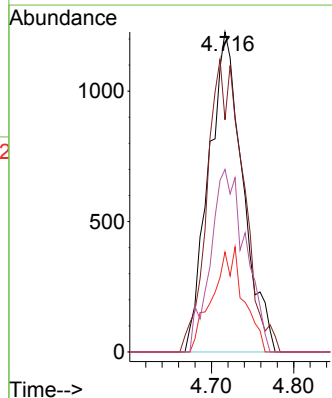
Ion Ratio Lower Upper

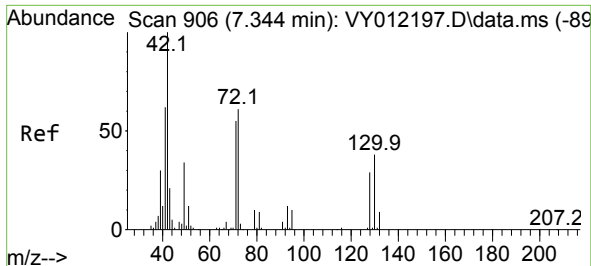
84 100

49 72.5 95.4 143.2#

51 31.2 29.9 44.9

86 57.0 49.6 74.4





#29

Tetrahydrofuran

Concen: 5.846 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY012385.D

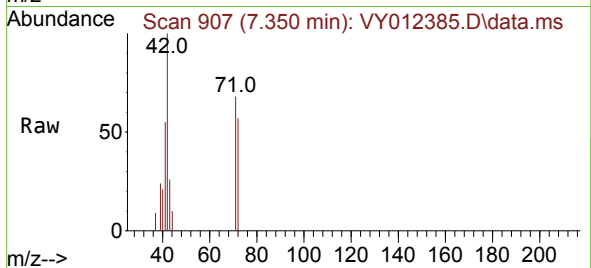
Acq: 27 Jan 2023 15:53

Instrument :

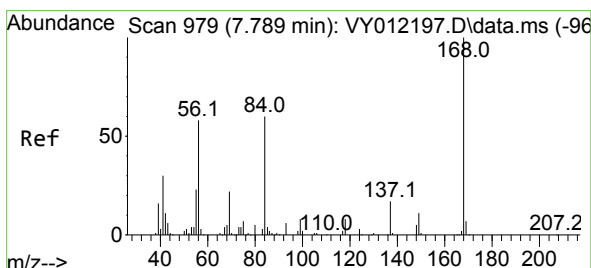
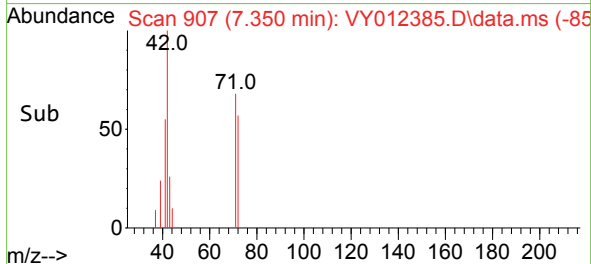
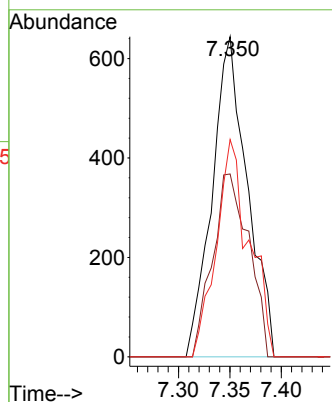
MSVOA_Y

ClientSampleId :

TOTAL-VOC-2-BORING-1-7-14-GRAB-8



Tgt Ion:	42	Resp:	1532
Ion Ratio	Lower	Upper	
42	100		
72	58.9	37.0	55.6#
71	63.3	34.9	52.3#



#31

Cyclohexane

Concen: 1.183 ug/l

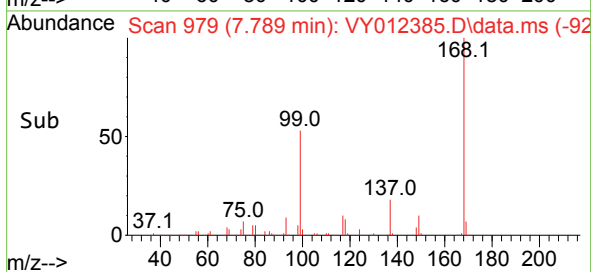
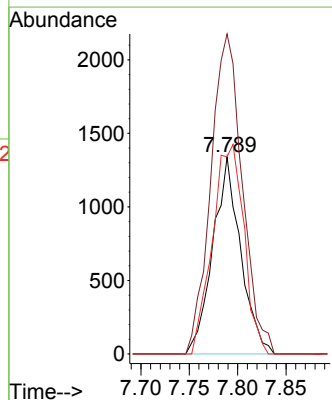
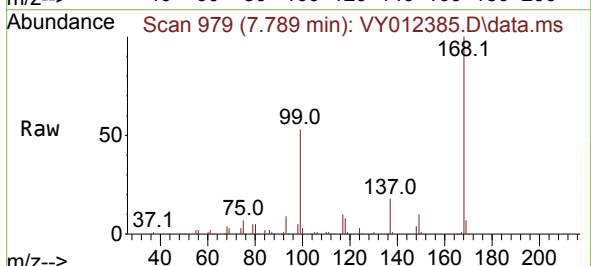
RT: 7.789 min Scan# 979

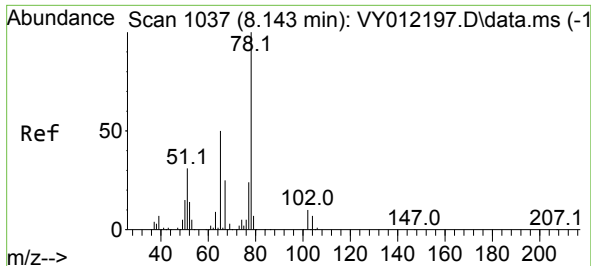
Delta R.T. 0.006 min

Lab File: VY012385.D

Acq: 27 Jan 2023 15:53

Tgt Ion:	56	Resp:	2678
Ion Ratio	Lower	Upper	
56	100		
69	162.4	29.2	43.8#
84	100.1	72.6	108.8





#33

1,2-Dichloroethane-d4

Concen: 75.374 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012385.D

Acq: 27 Jan 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

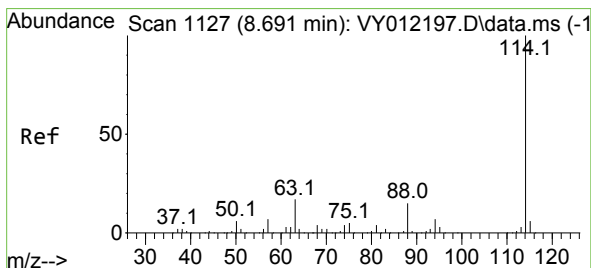
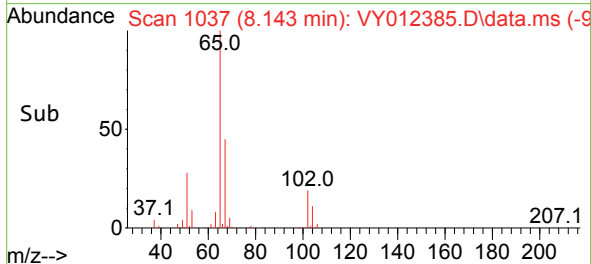
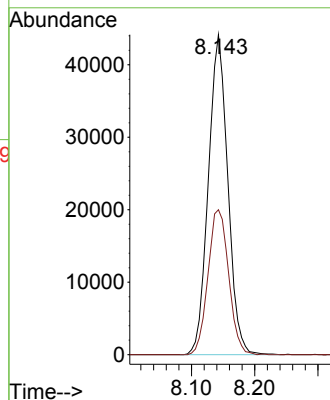
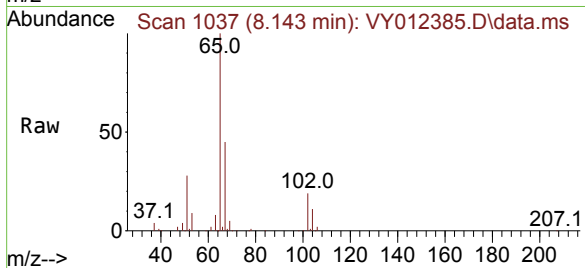
TOTAL-VOC-2-BORING-1-7-14-GRAB-8

Tgt Ion: 65 Resp: 94401

Ion Ratio Lower Upper

65 100

67 48.1 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012385.D

Acq: 27 Jan 2023 15:53

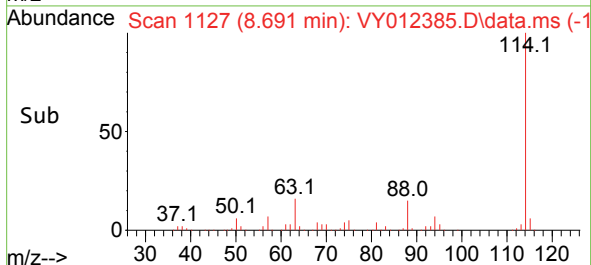
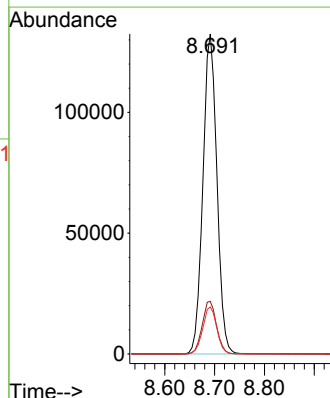
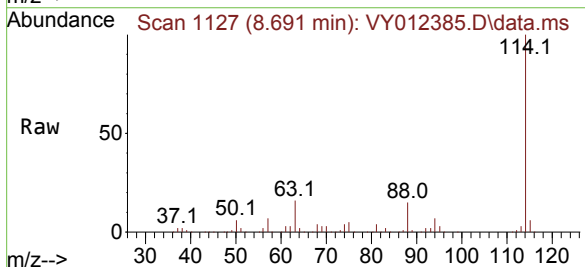
Tgt Ion: 114 Resp: 257733

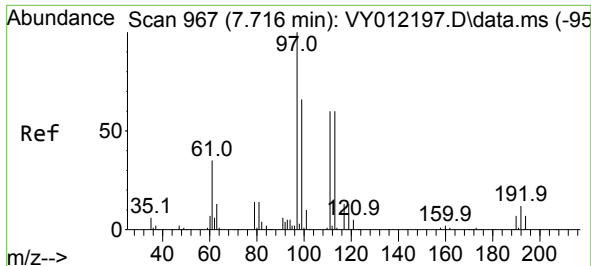
Ion Ratio Lower Upper

114 100

63 16.5 0.0 39.6

88 14.7 0.0 32.2

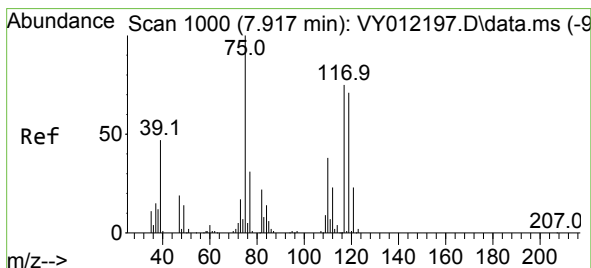
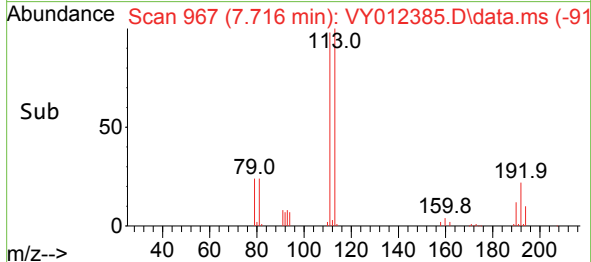
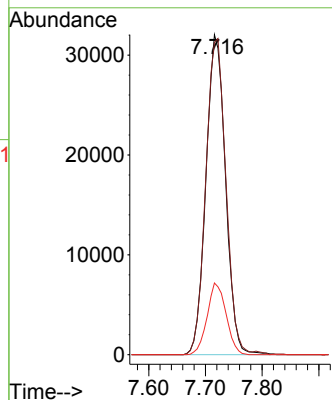
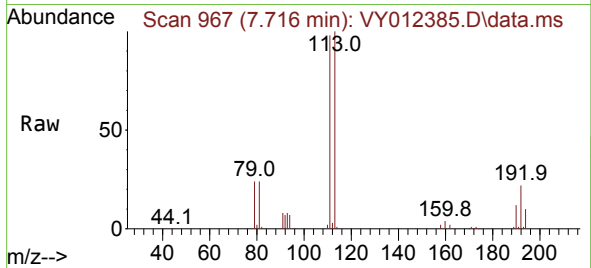




#35
Dibromofluoromethane
Concen: 56.324 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012385.D
Acq: 27 Jan 2023 15:53

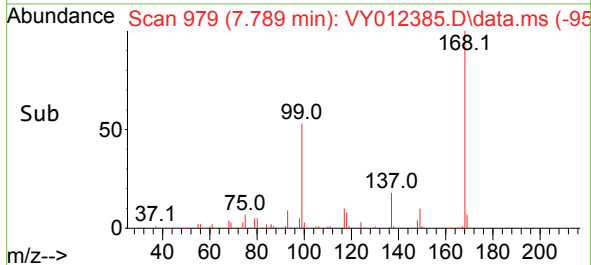
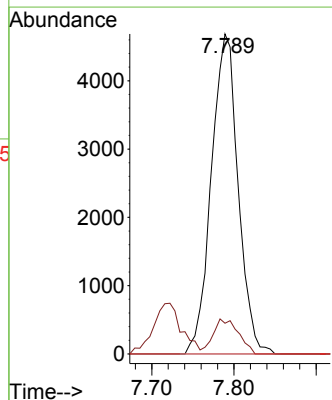
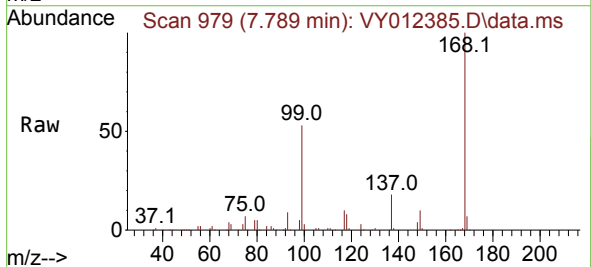
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TOTAL-VOC-2-BORING-1-7-14-GRAB-8

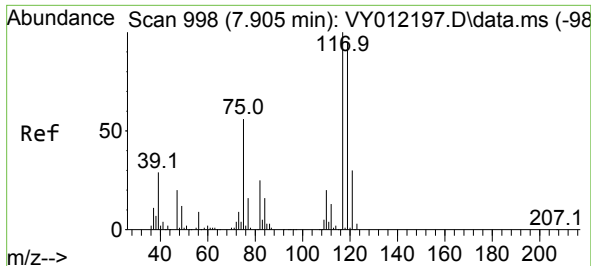
Tgt Ion:113 Resp: 76865
Ion Ratio Lower Upper
113 100
111 101.1 83.0 124.4
192 21.7 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.574 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012385.D
Acq: 27 Jan 2023 15:53

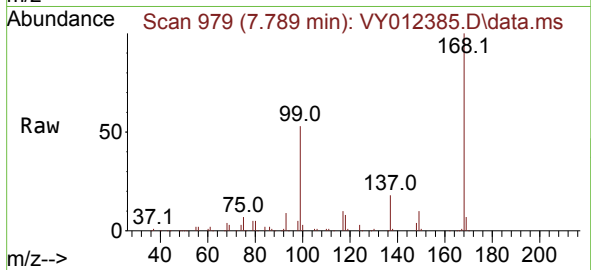
Tgt Ion: 75 Resp: 10609
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.1#
77 0.0 25.1 37.7#



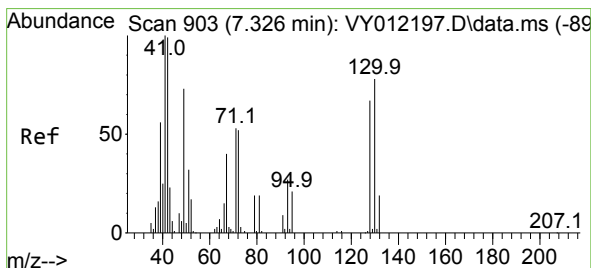
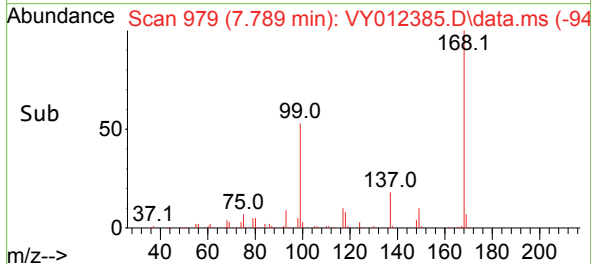
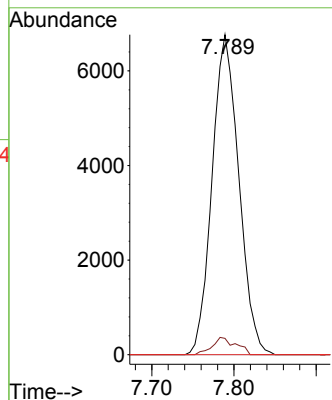


#38
Carbon Tetrachloride
Concen: 5.103 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012385.D
Acq: 27 Jan 2023 15:53

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-BORING-1-7-14-GRAB-8

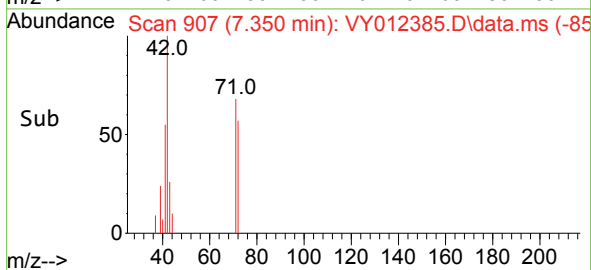
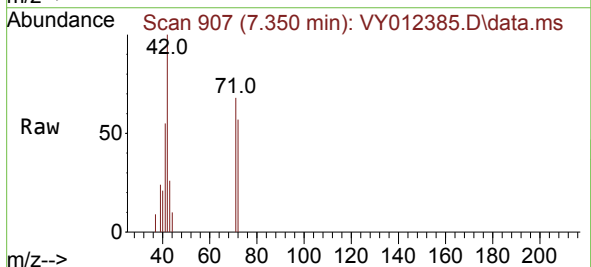
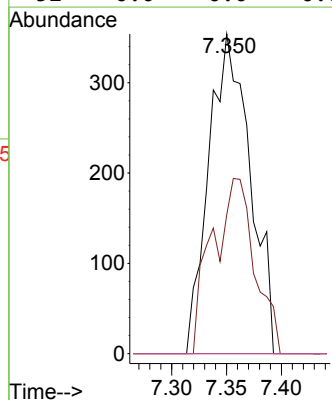


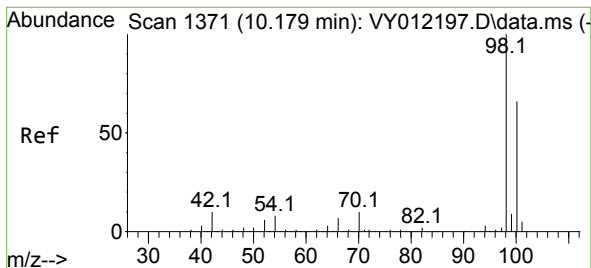
Tgt Ion:117 Resp: 15287
Ion Ratio Lower Upper
117 100
119 5.1 73.8 110.8#
121 0.0 25.2 37.8#



#41
Methacrylonitrile
Concen: 1.542 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.024 min
Lab File: VY012385.D
Acq: 27 Jan 2023 15:53

Tgt Ion: 41 Resp: 927
Ion Ratio Lower Upper
41 100
39 56.5 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#50

Toluene-d8

Concen: 65.375 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012385.D

Acq: 27 Jan 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

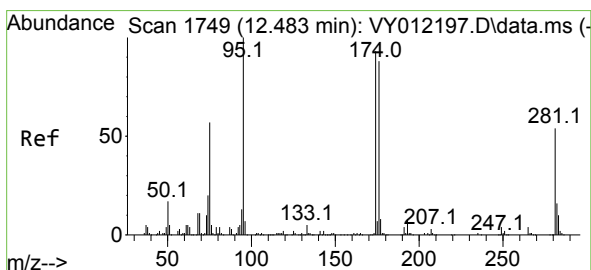
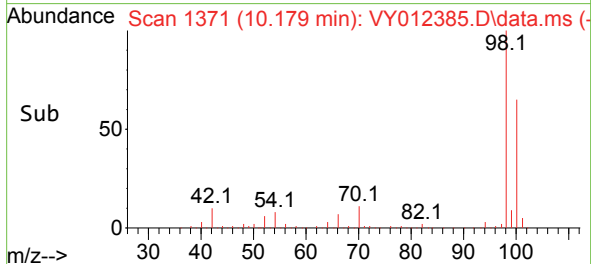
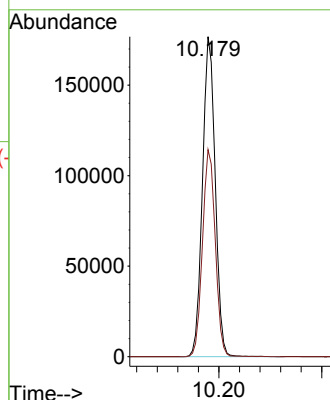
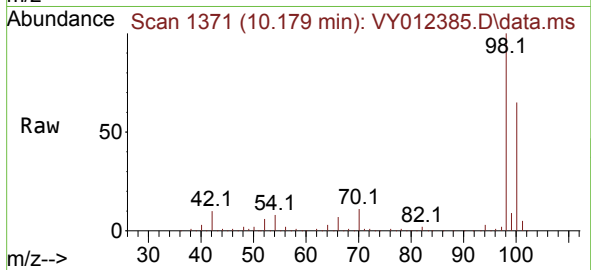
TOTAL-VOC-2-BORING-1-7-14-GRAB-8

Tgt Ion: 98 Resp: 302823

Ion Ratio Lower Upper

98 100

100 65.1 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 49.693 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012385.D

Acq: 27 Jan 2023 15:53

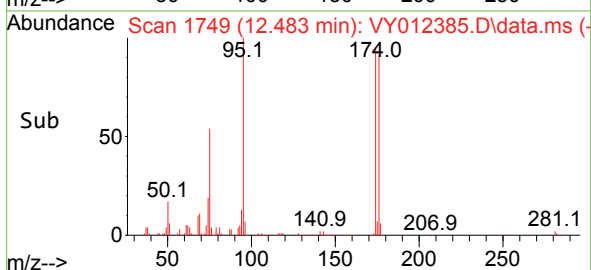
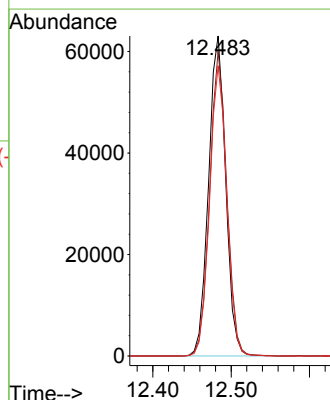
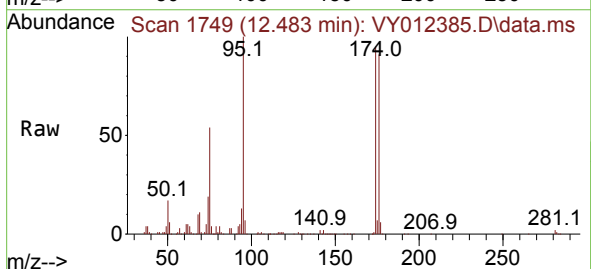
Tgt Ion: 95 Resp: 95600

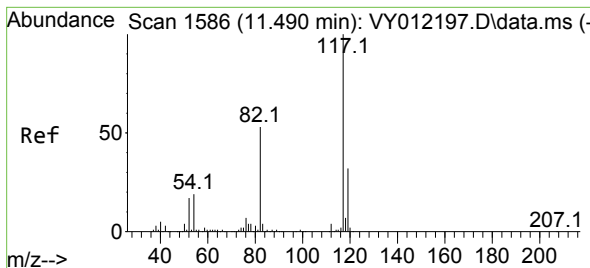
Ion Ratio Lower Upper

95 100

174 95.2 0.0 172.0

176 90.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012385.D

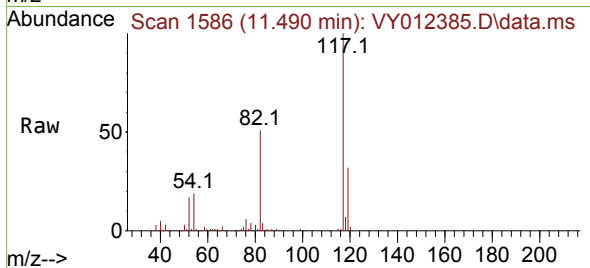
Acq: 27 Jan 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-2-BORING-1-7-14-GRAB-8



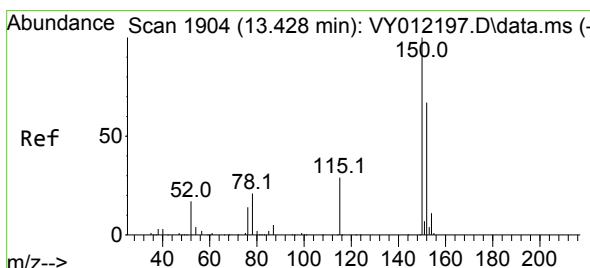
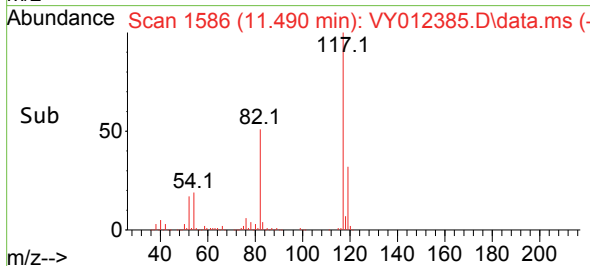
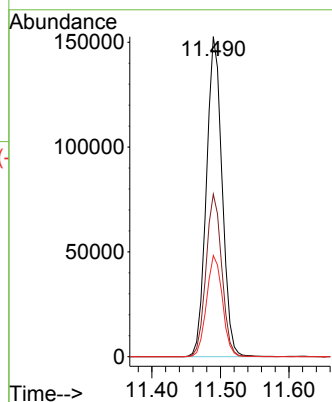
Tgt Ion:117 Resp: 243680

Ion Ratio Lower Upper

117 100

82 50.8 44.8 67.2

119 31.6 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012385.D

Acq: 27 Jan 2023 15:53

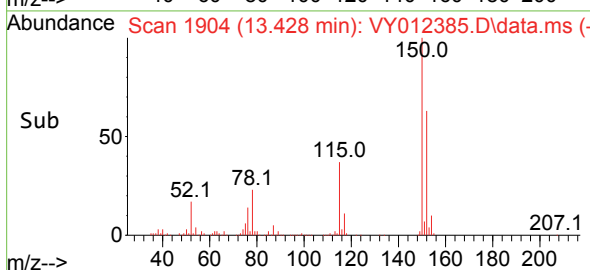
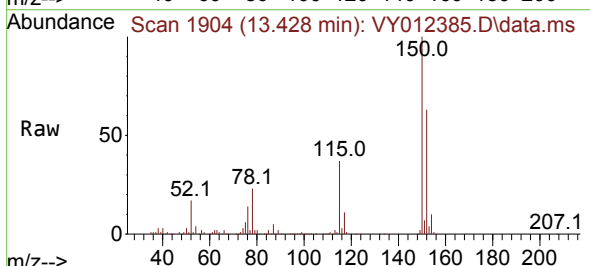
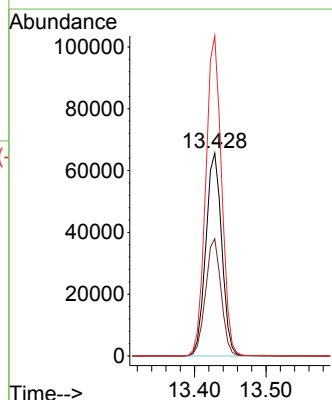
Tgt Ion:152 Resp: 101599

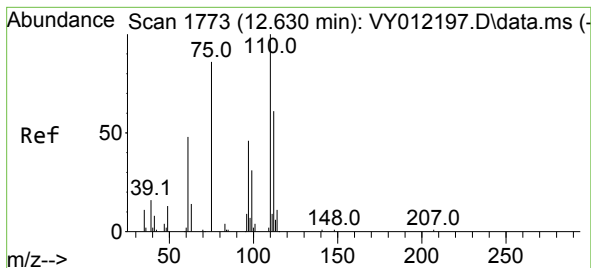
Ion Ratio Lower Upper

152 100

115 56.4 29.1 87.3

150 156.8 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 55.378 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012385.D

Acq: 27 Jan 2023 15:53

Instrument :

MSVOA_Y

ClientSampleId :

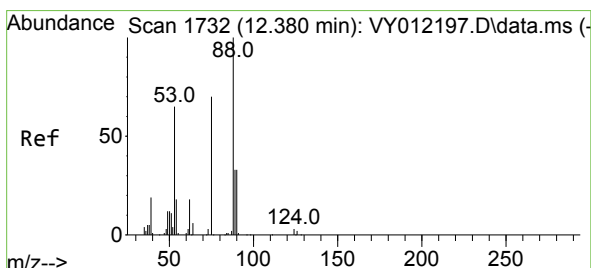
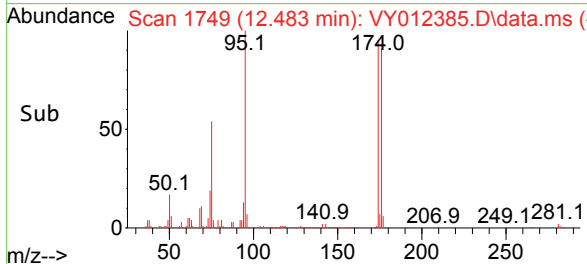
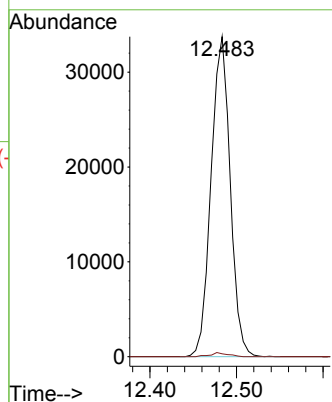
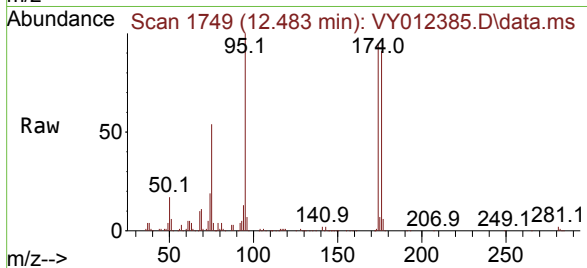
TOTAL-VOC-2-BORING-1-7-14-GRAB-8

Tgt Ion: 75 Resp: 51736

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.102 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012385.D

Acq: 27 Jan 2023 15:53

Tgt Ion: 75 Resp: 51736

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.0 37.0 55.4#

