

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014213.D
 Acq On : 16 Jun 2023 19:08
 Operator : KP/MD
 Sample : 03255-05
 Misc : 11.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-24-GRAB-6

Quant Time: Jun 16 23:25:11 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)

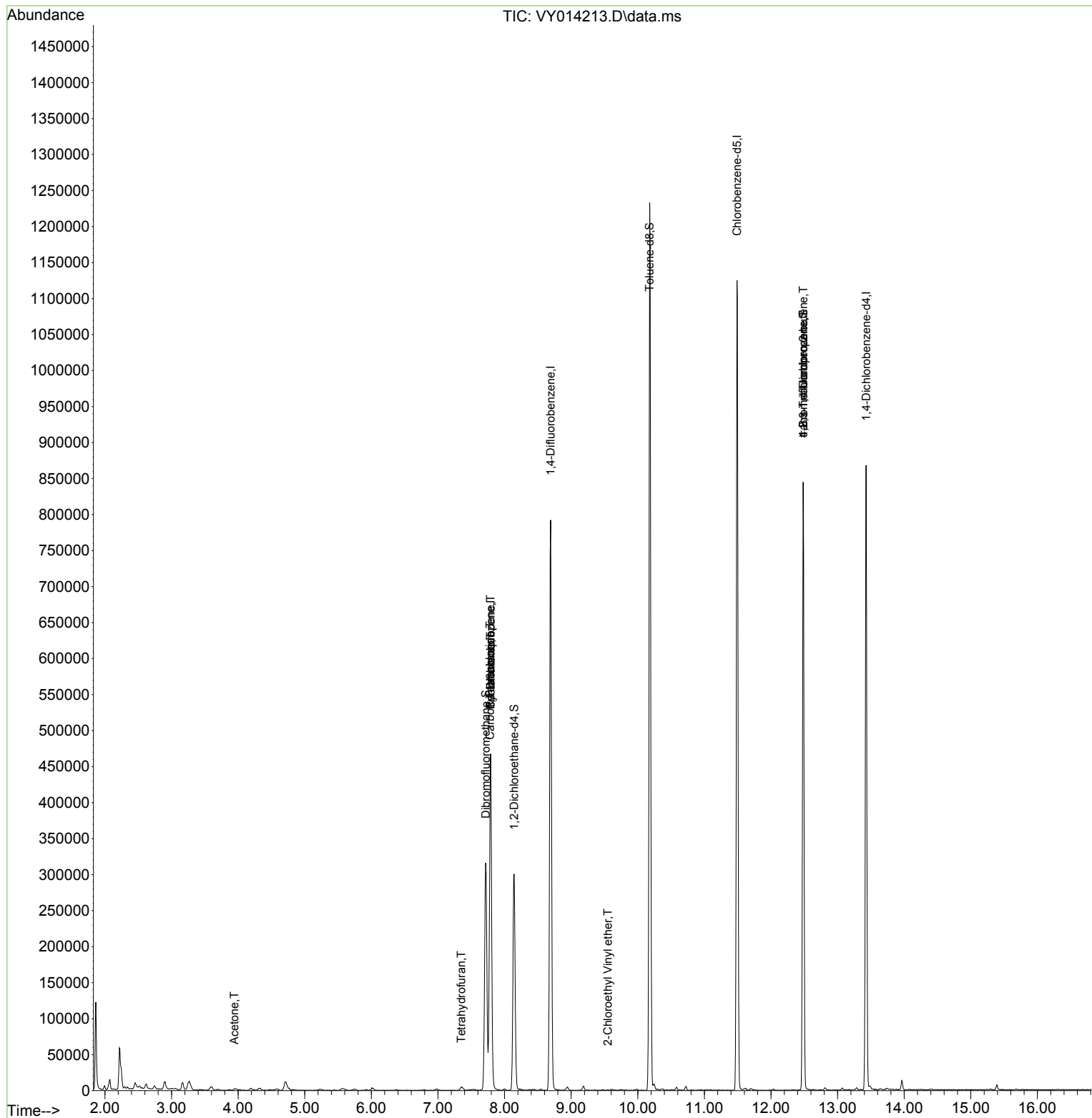
Internal Standards						
1) Pentafluorobenzene	7.789	168	354654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	640899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	601825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	216743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	251786	50.983	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.960%
35) Dibromofluoromethane	7.716	113	213747	47.028	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.060%
50) Toluene-d8	10.179	98	782428	46.046	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.100%
62) 4-Bromofluorobenzene	12.483	95	232085	38.449	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.900%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.936	59	278	Below Cal	#	89
13) Acrolein	3.723	56	19	Below Cal	#	14
16) Acetone	3.942	43	3050	2.049	ug/l	94
20) Methylene Chloride	4.710	84	8291	Below Cal	#	80
29) Tetrahydrofuran	7.350	42	3176	2.733	ug/l	94
31) Cyclohexane	7.789	56	9135	1.381	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	26963	3.805	ug/l #	51
38) Carbon Tetrachloride	7.783	117	35415	4.331	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.551	63	18	28.625	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	129789	45.642	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	129789	98.661	ug/l #	11

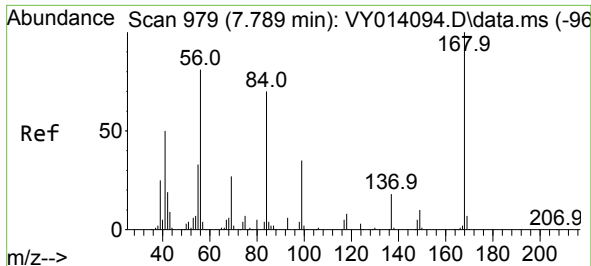
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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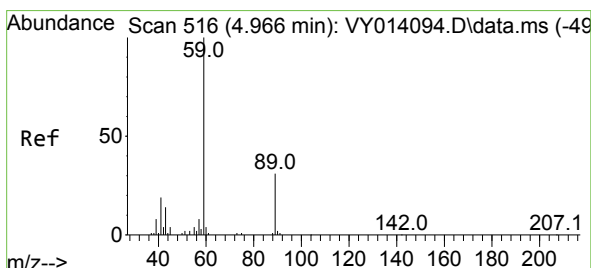
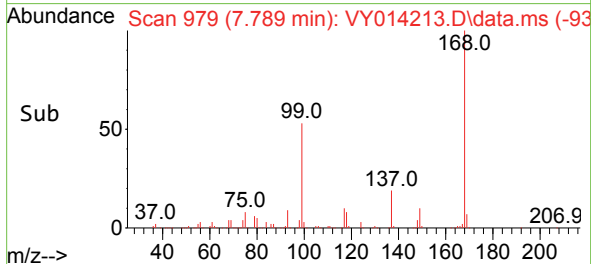
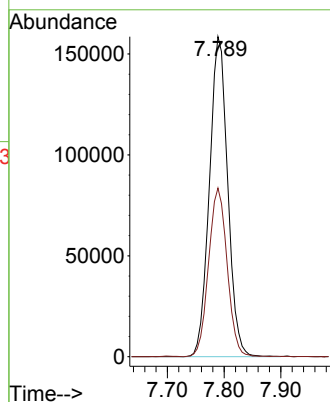
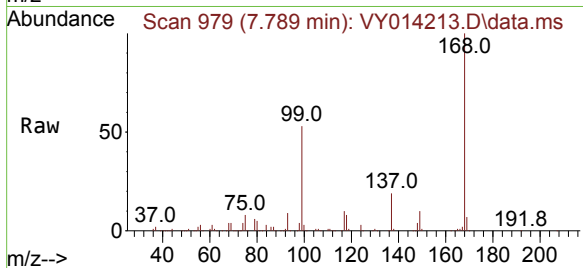




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014213.D
Acq: 16 Jun 2023 19:08

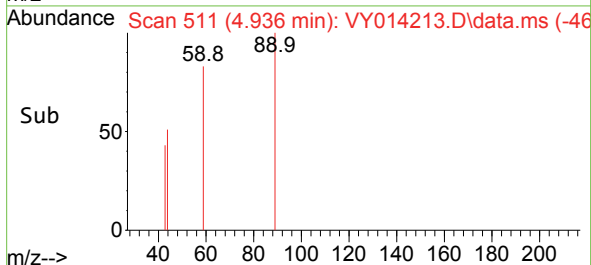
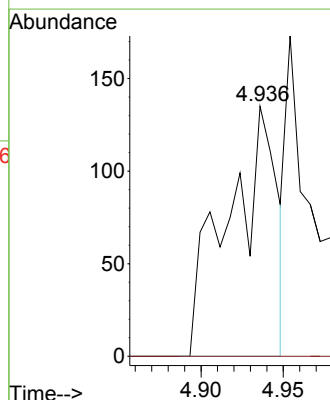
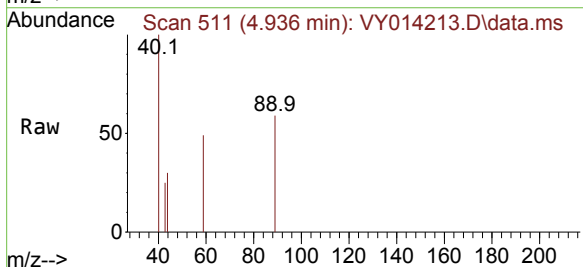
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-6

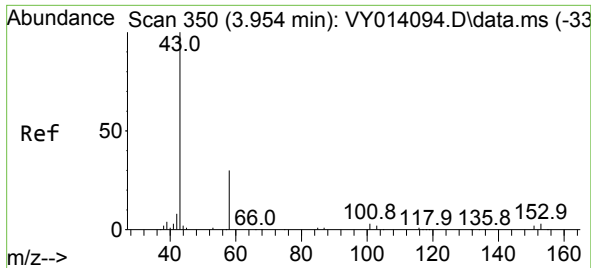
Tgt Ion:168 Resp: 354654
Ion Ratio Lower Upper
168 100
99 52.6 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014213.D
Acq: 16 Jun 2023 19:08

Tgt Ion: 59 Resp: 278
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 2.049 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY014213.D

Acq: 16 Jun 2023 19:08

Instrument :

MSVOA_Y

ClientSampleId :

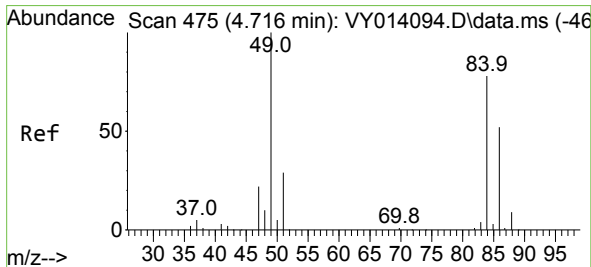
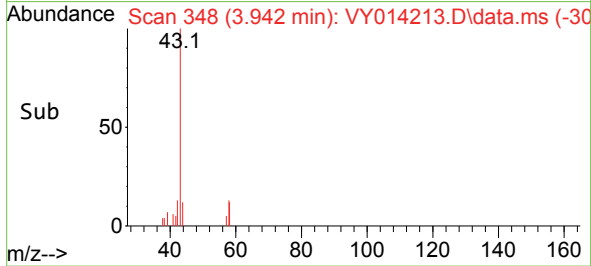
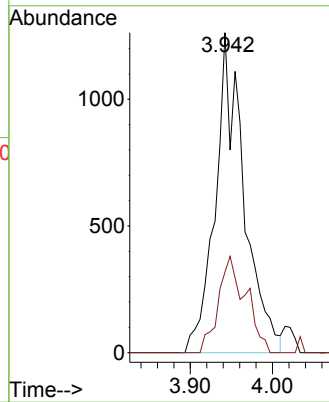
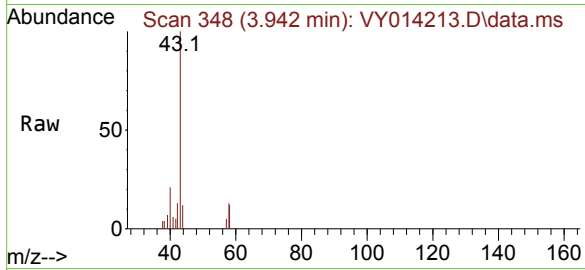
TOTAL-VOC-SB-24-GRAB-6

Tgt Ion: 43 Resp: 3050

Ion Ratio Lower Upper

43 100

58 25.2 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014213.D

Acq: 16 Jun 2023 19:08

Tgt Ion: 84 Resp: 8291

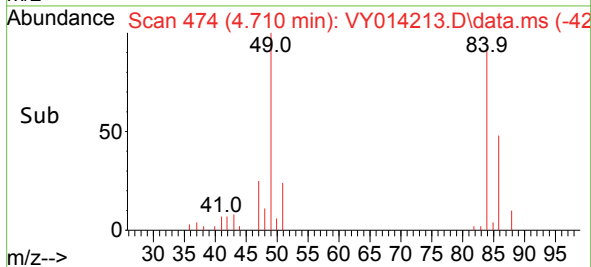
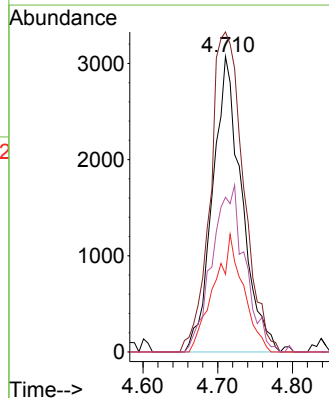
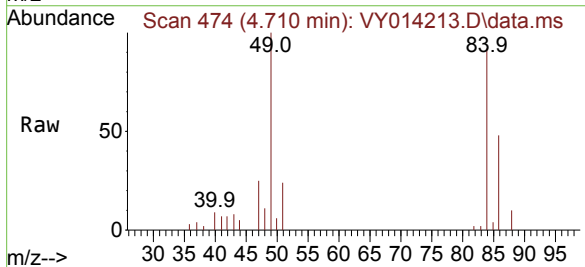
Ion Ratio Lower Upper

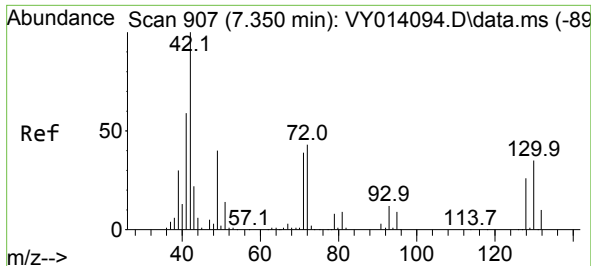
84 100

49 108.3 106.9 160.3

51 26.3 33.2 49.8#

86 52.3 51.0 76.6

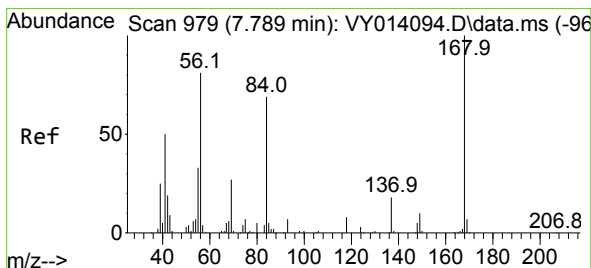
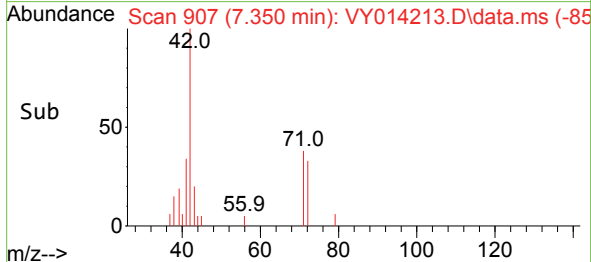
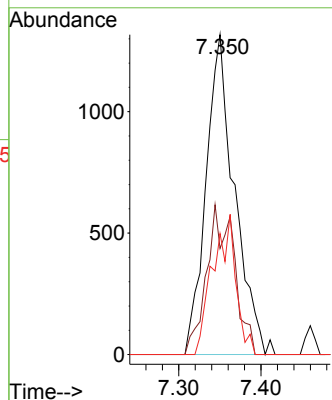
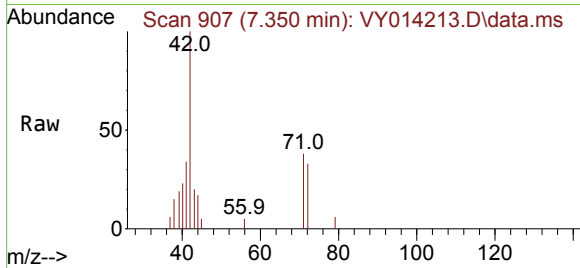




#29
Tetrahydrofuran
Concen: 2.733 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY014213.D
Acq: 16 Jun 2023 19:08

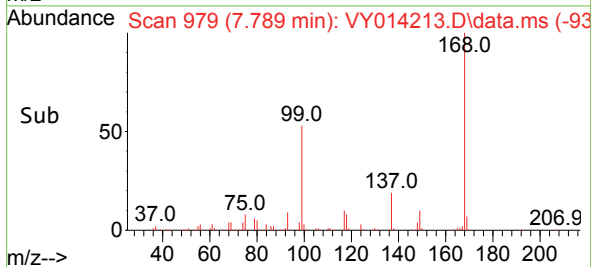
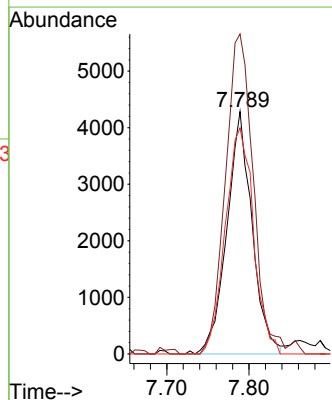
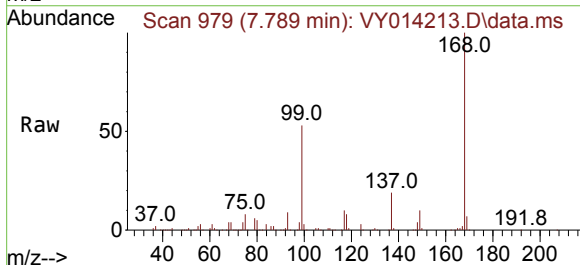
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-6

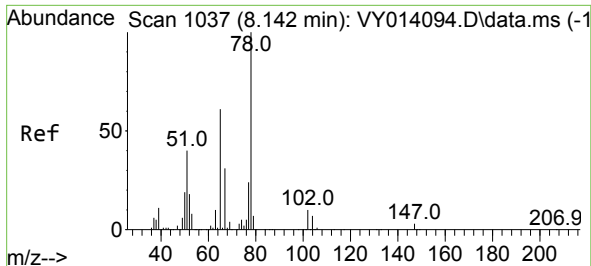
Tgt Ion:	42	Resp:	3176
Ion	Ratio	Lower	Upper
42	100		
72	45.3	32.8	49.2
71	35.5	31.0	46.4



#31
Cyclohexane
Concen: 1.381 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY014213.D
Acq: 16 Jun 2023 19:08

Tgt Ion:	56	Resp:	9135
Ion	Ratio	Lower	Upper
56	100		
69	132.0	27.8	41.6#
84	93.3	66.4	99.6

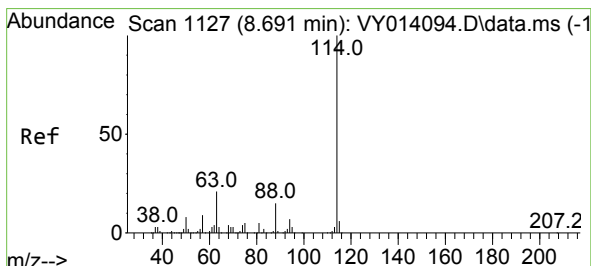
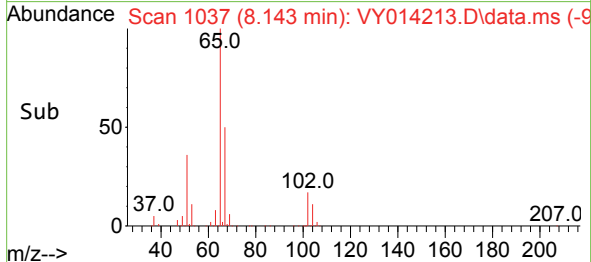
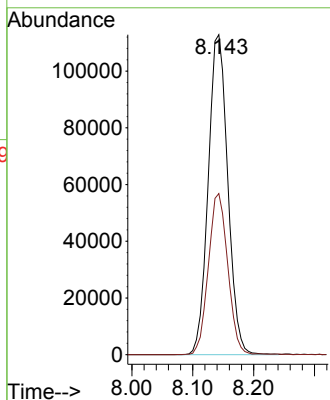
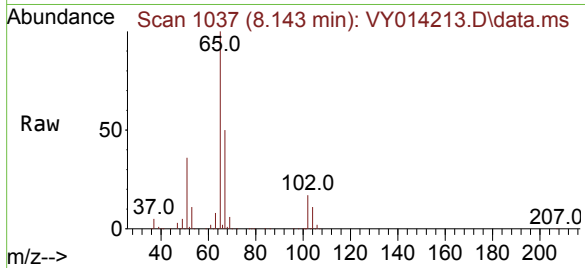




#33
 1,2-Dichloroethane-d4
 Concen: 50.983 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.001 min
 Lab File: VY014213.D
 Acq: 16 Jun 2023 19:08

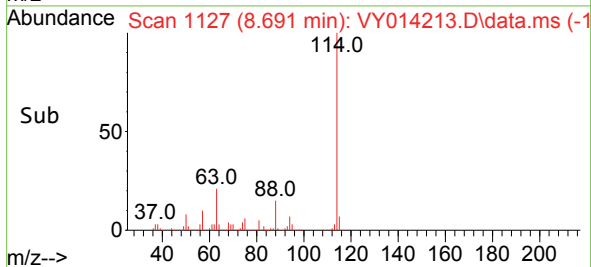
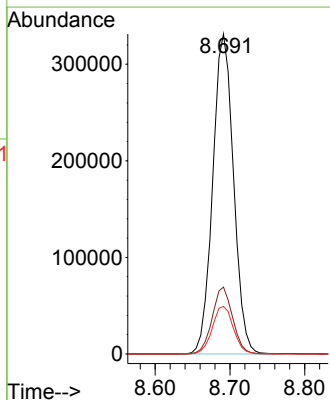
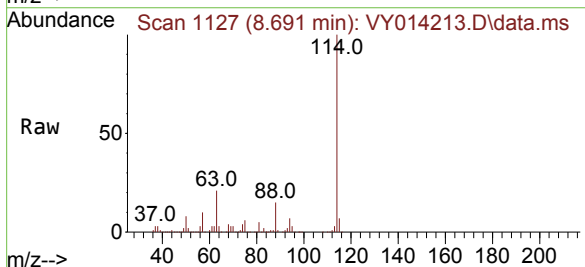
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-24-GRAB-6

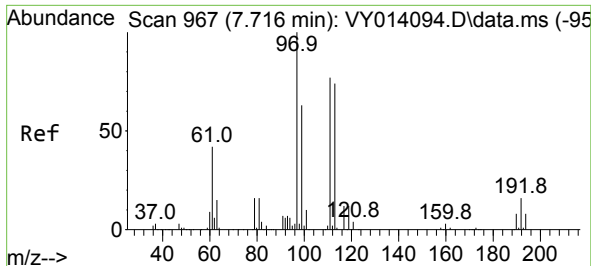
Tgt Ion: 65 Resp: 251786
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014213.D
 Acq: 16 Jun 2023 19:08

Tgt Ion: 114 Resp: 640899
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.4
 88 14.9 0.0 30.6

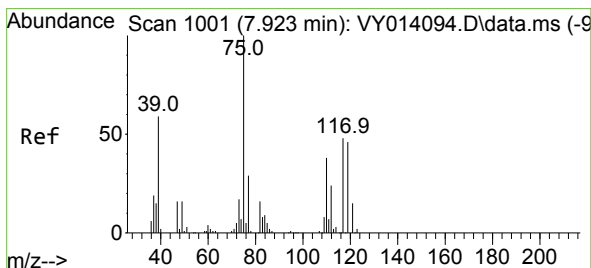
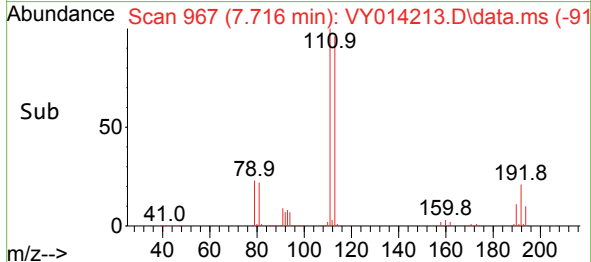
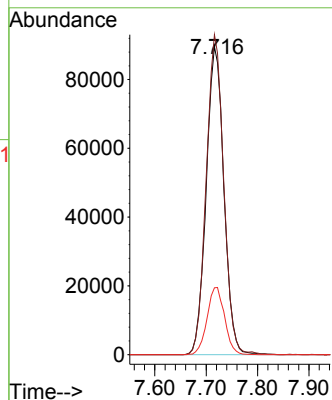
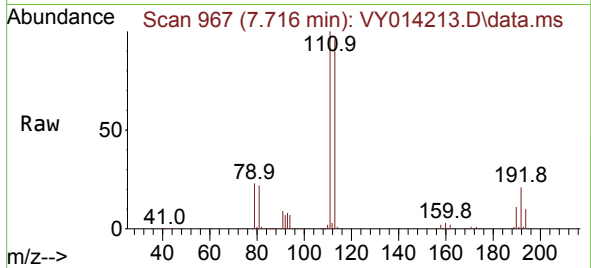




#35
Dibromofluoromethane
Concen: 47.028 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014213.D
Acq: 16 Jun 2023 19:08

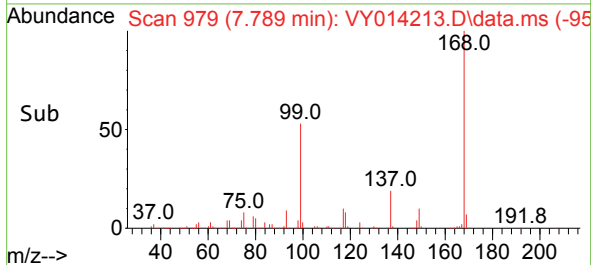
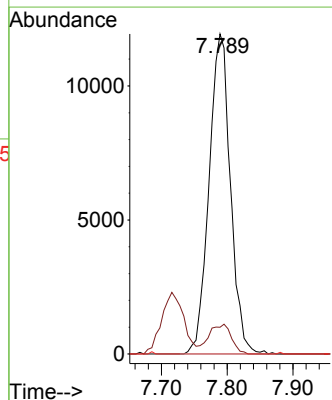
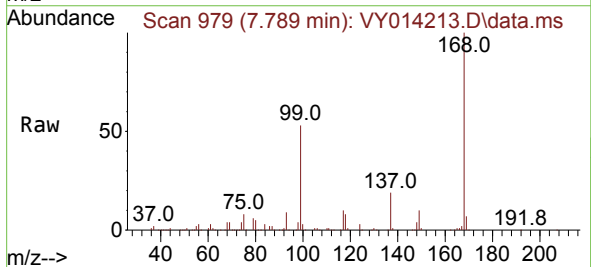
Instrument :
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ClientSampleId :
TOTAL-VOC-SB-24-GRAB-6

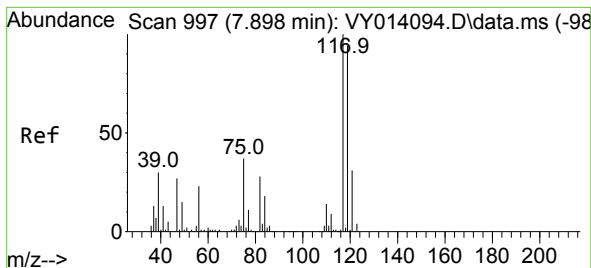
Tgt Ion:113 Resp: 213747
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 21.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.805 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014213.D
Acq: 16 Jun 2023 19:08

Tgt Ion: 75 Resp: 26963
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.331 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY014213.D

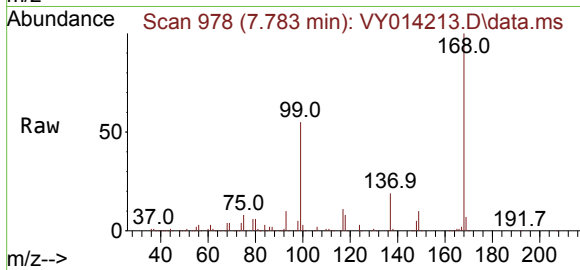
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-24-GRAB-6



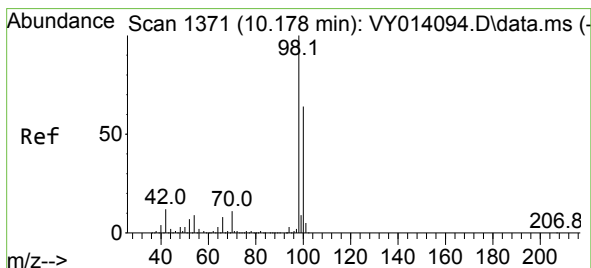
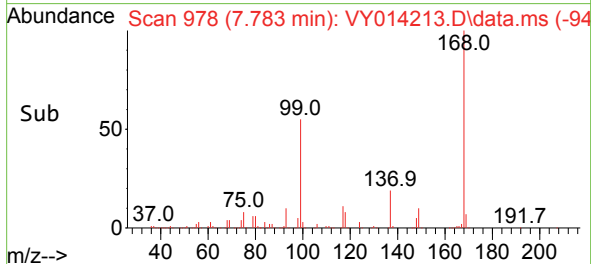
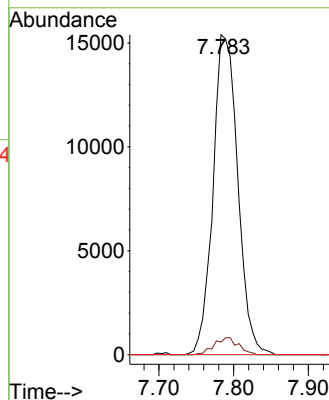
Tgt Ion:117 Resp: 35415

Ion Ratio Lower Upper

117 100

119 3.9 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 46.046 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014213.D

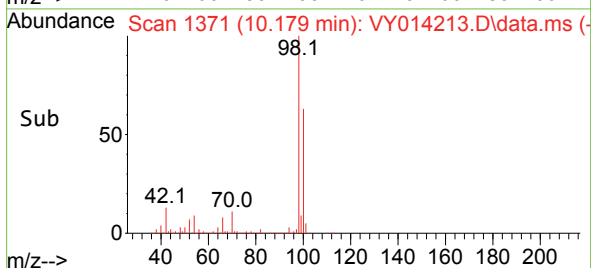
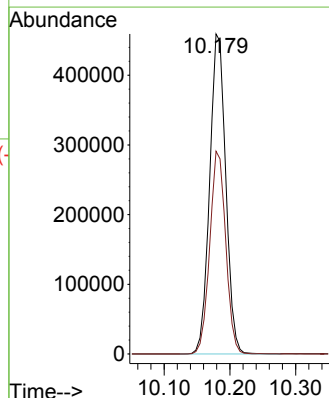
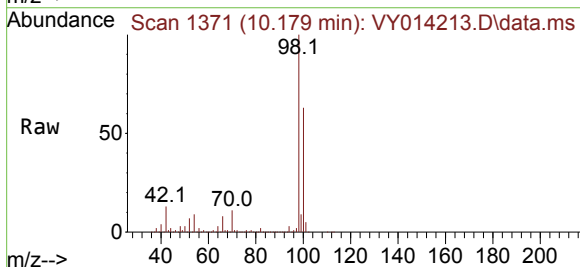
Acq: 16 Jun 2023 19:08

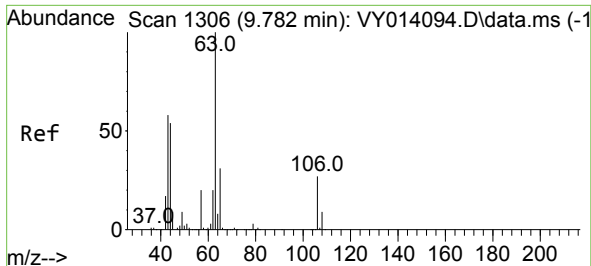
Tgt Ion: 98 Resp: 782428

Ion Ratio Lower Upper

98 100

100 62.8 50.1 75.1

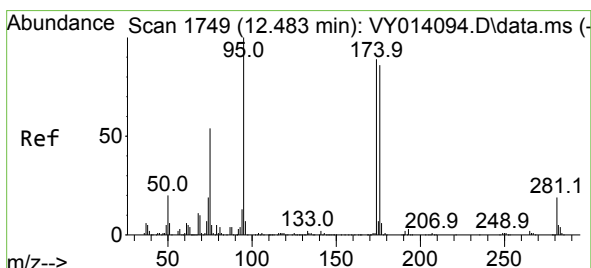
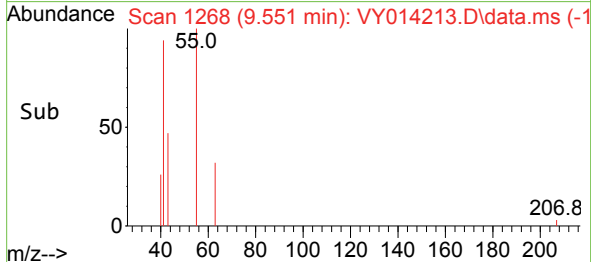
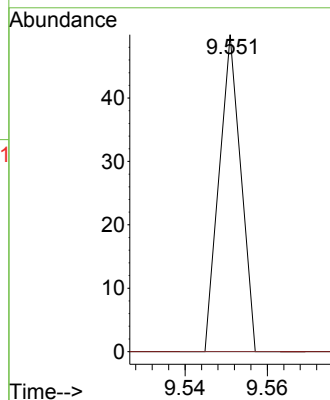
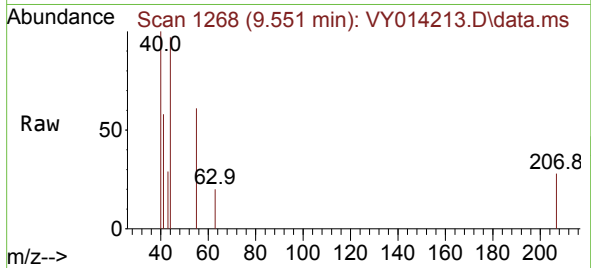




#58
2-Chloroethyl Vinyl ether
Concen: 28.625 ug/l
RT: 9.551 min Scan# 1268
Delta R.T. -0.231 min
Lab File: VY014213.D
Acq: 16 Jun 2023 19:08

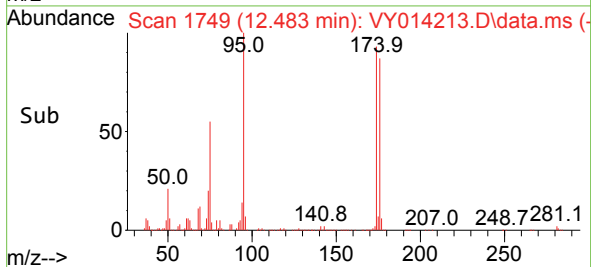
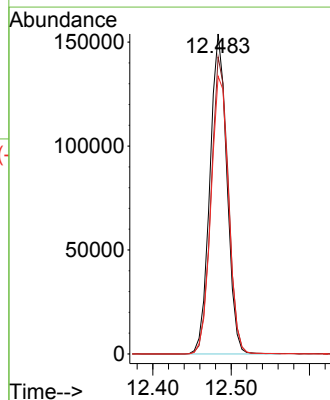
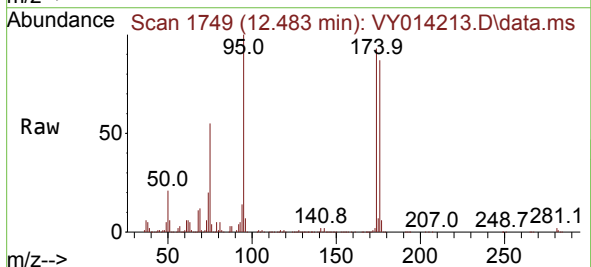
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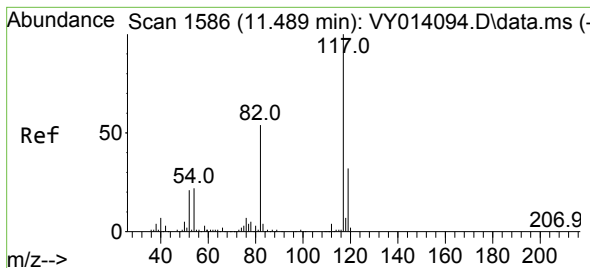
Tgt Ion: 63 Resp: 18
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 38.449 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014213.D
Acq: 16 Jun 2023 19:08

Tgt Ion: 95 Resp: 232085
Ion Ratio Lower Upper
95 100
174 93.8 0.0 178.2
176 90.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014213.D

Acq: 16 Jun 2023 19:08

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-24-GRAB-6

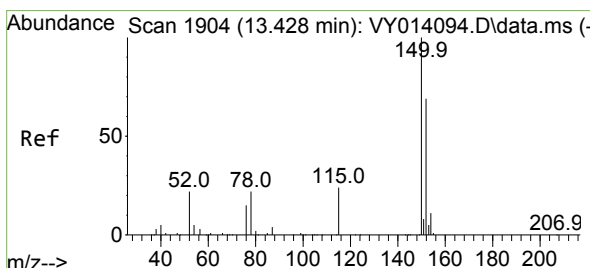
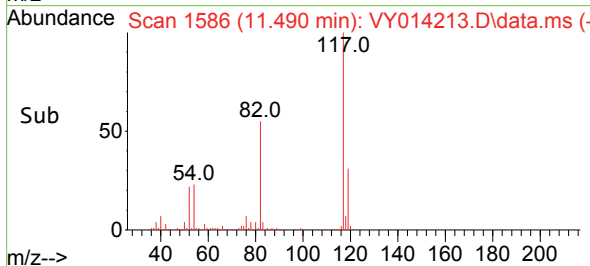
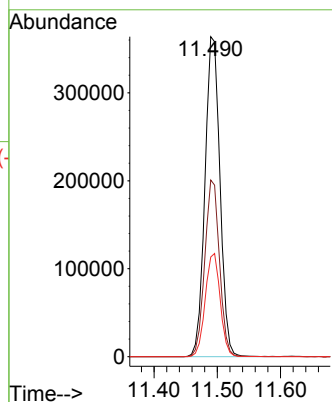
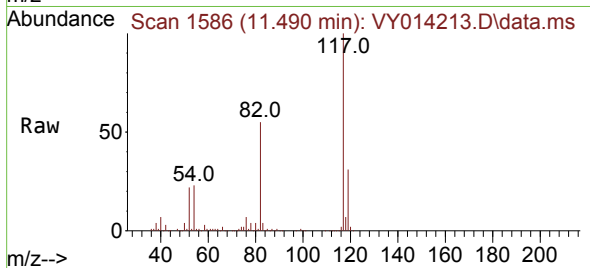
Tgt Ion:117 Resp: 601825

Ion Ratio Lower Upper

117 100

82 55.2 43.4 65.0

119 31.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014213.D

Acq: 16 Jun 2023 19:08

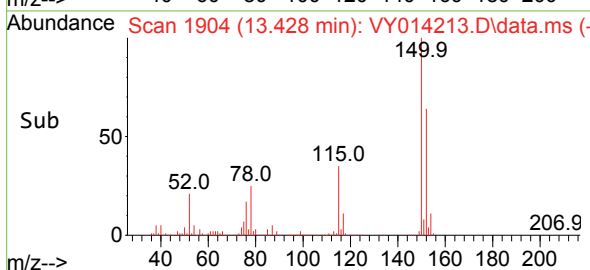
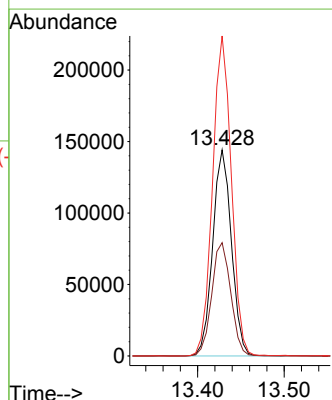
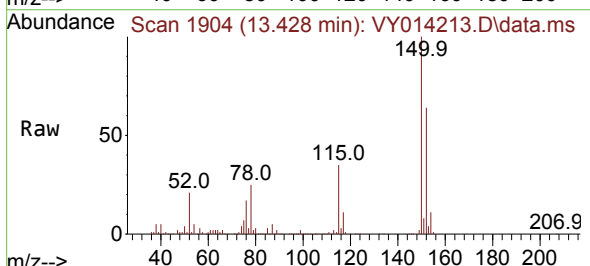
Tgt Ion:152 Resp: 216743

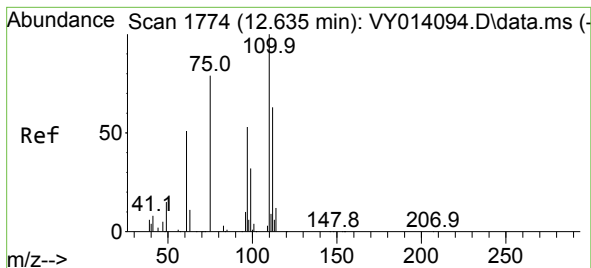
Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.5

150 155.6 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 45.642 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014213.D

Acq: 16 Jun 2023 19:08

Instrument :

MSVOA_Y

ClientSampleId :

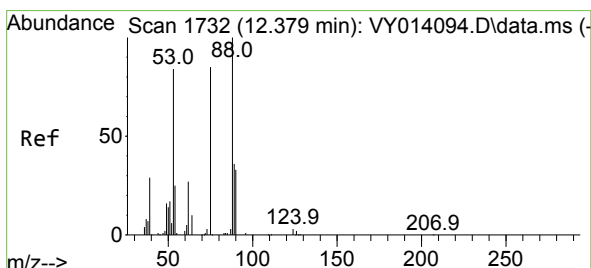
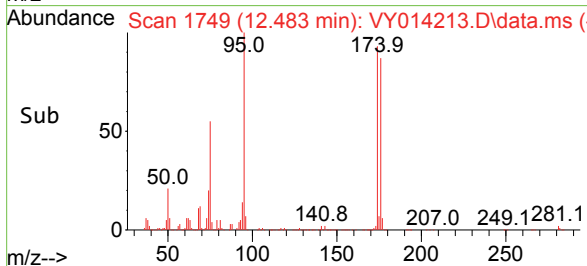
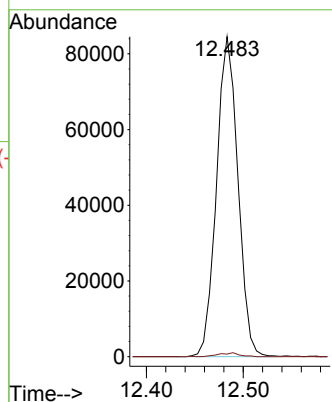
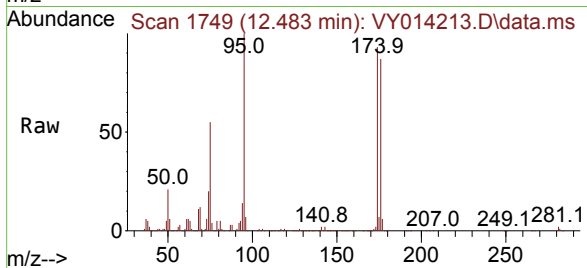
TOTAL-VOC-SB-24-GRAB-6

Tgt Ion: 75 Resp: 129789

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.661 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY014213.D

Acq: 16 Jun 2023 19:08

Tgt Ion: 75 Resp: 129789

Ion Ratio Lower Upper

75 100

53 0.3 77.8 116.8#

89 0.1 37.4 56.0#

