

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031323\
 Data File : VY012927.D
 Acq On : 13 Mar 2023 15:15
 Operator : KP/MD
 Sample : 01898-06
 Misc : 4.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-2-GRAB-8

Quant Time: Mar 14 01:26:54 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)

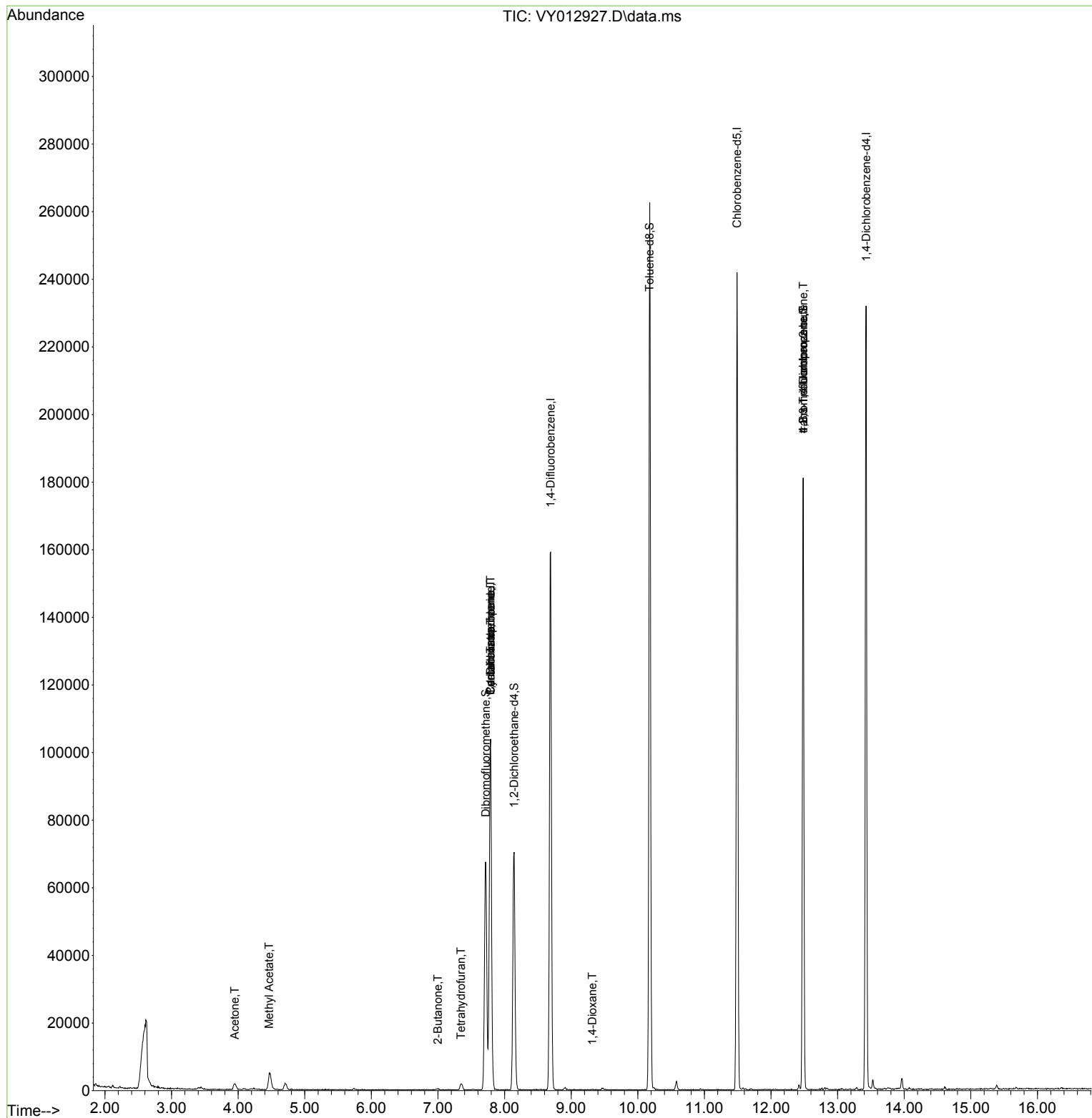
Internal Standards						
1) Pentafluorobenzene	7.789	168	83993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	138917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	128404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	60109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	56330	67.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.100%
35) Dibromofluoromethane	7.716	113	48388	57.717	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.440%
50) Toluene-d8	10.179	98	167103	54.522	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.040%
62) 4-Bromofluorobenzene	12.483	95	51697	49.974	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.940%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	3370	10.295	ug/l	90
18) Methyl Acetate	4.466	43	10328	10.595	ug/l	97
20) Methylene Chloride	4.710	84	1316	Below Cal		93
25) 2-Butanone	6.996	43	613	1.512	ug/l	98
29) Tetrahydrofuran	7.344	42	1547	6.327	ug/l	97
31) Cyclohexane	7.789	56	1852	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5947	4.233	ug/l #	51
38) Carbon Tetrachloride	7.789	117	7930	5.466	ug/l #	18
49) 1,4-Dioxane	9.319	88	74	10.004	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	27911	38.884	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27911	80.569	ug/l #	13

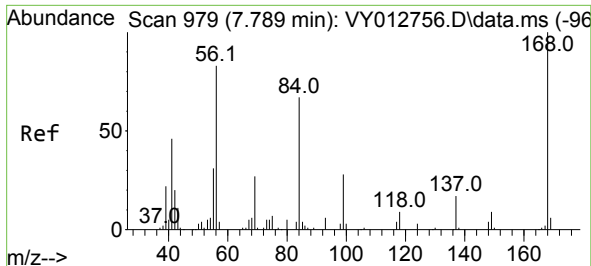
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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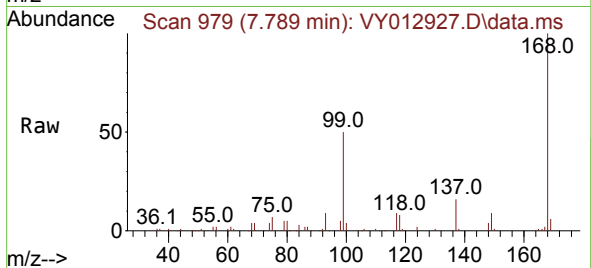
Quant Time: Mar 14 01:26:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
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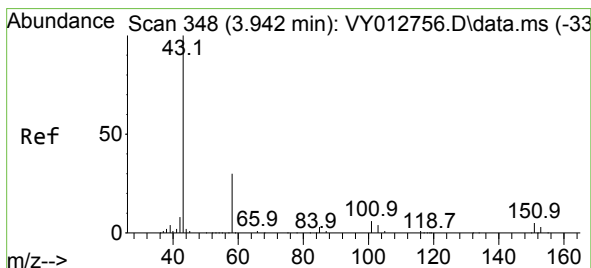
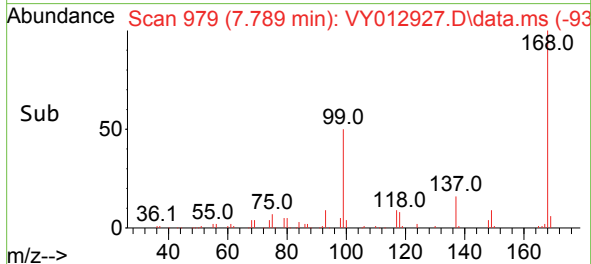
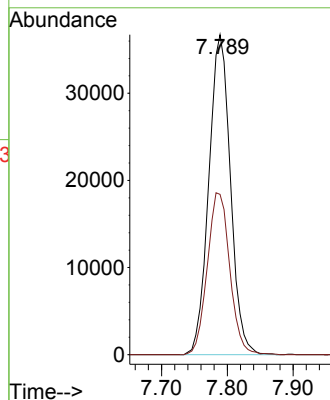


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012927.D
Acq: 13 Mar 2023 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB-8

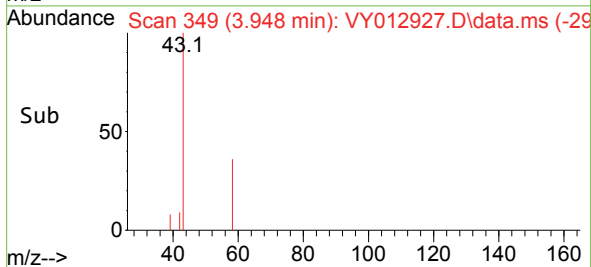
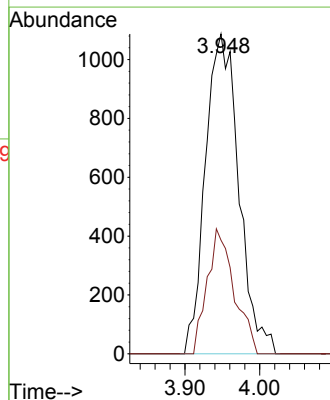
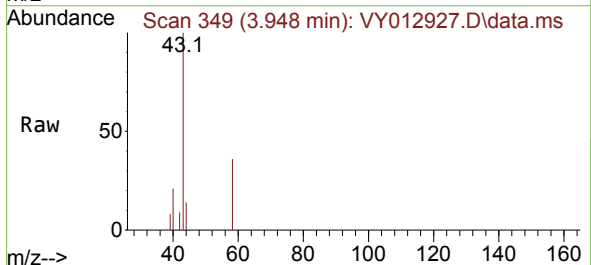


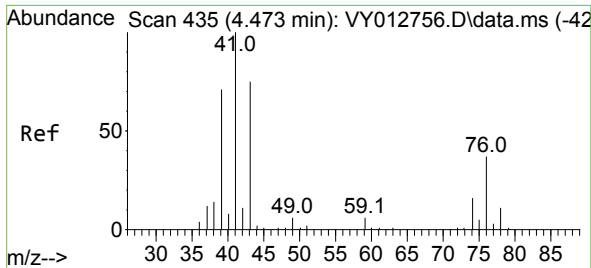
Tgt Ion:168 Resp: 83993
Ion Ratio Lower Upper
168 100
99 50.1 41.7 62.5



#16
Acetone
Concen: 10.295 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012927.D
Acq: 13 Mar 2023 15:15

Tgt Ion: 43 Resp: 3370
Ion Ratio Lower Upper
43 100
58 35.5 24.2 36.2

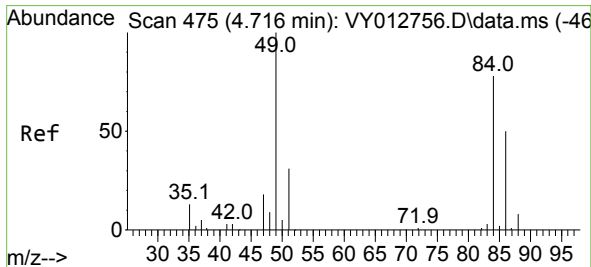
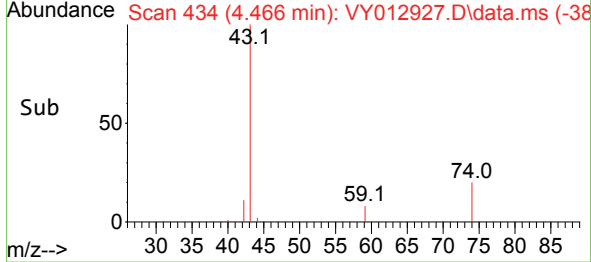
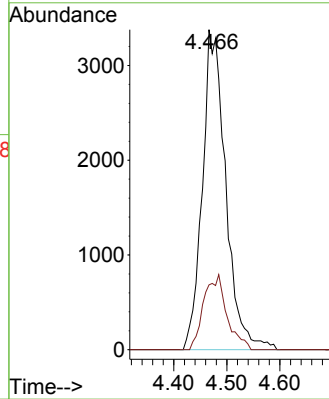
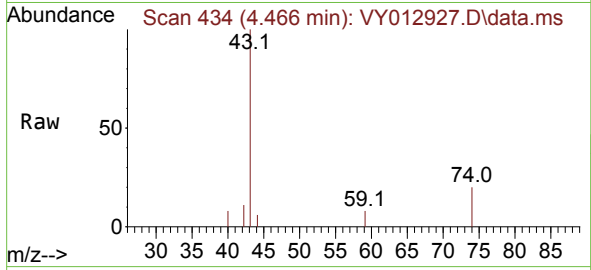




#18
Methyl Acetate
Concen: 10.595 ug/l
RT: 4.466 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY012927.D
Acq: 13 Mar 2023 15:15

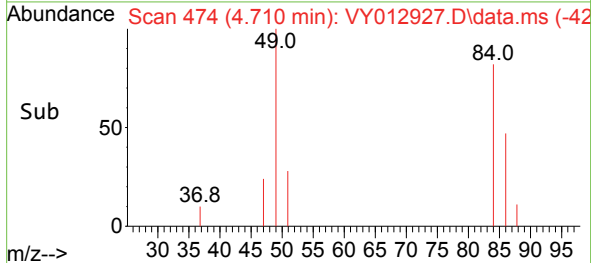
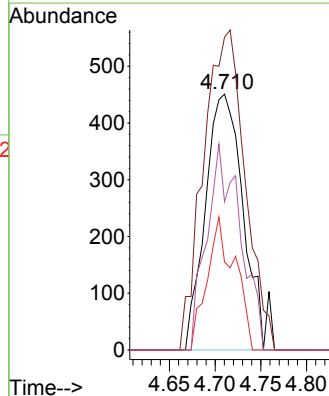
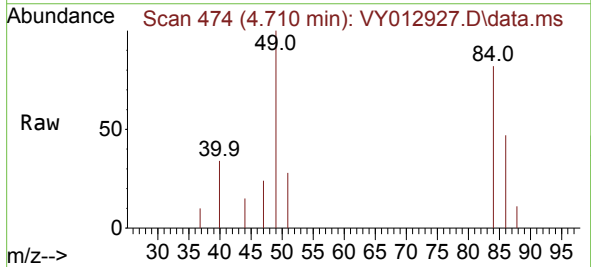
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-2-GRAB-8

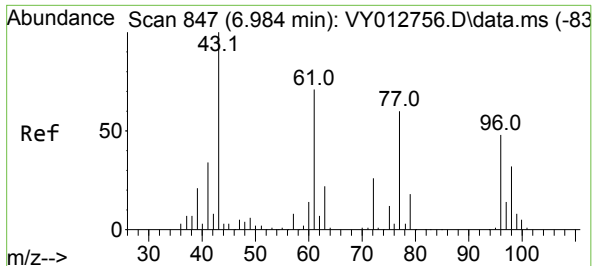
Tgt Ion: 43 Resp: 10328
Ion Ratio Lower Upper
43 100
74 23.2 17.4 26.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012927.D
Acq: 13 Mar 2023 15:15

Tgt Ion: 84 Resp: 1316
Ion Ratio Lower Upper
84 100
49 122.2 102.6 154.0
51 34.4 31.9 47.9
86 57.9 51.0 76.6





#25

2-Butanone

Concen: 1.512 ug/l

RT: 6.996 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY012927.D

Acq: 13 Mar 2023 15:15

Instrument :

MSVOA_Y

ClientSampleId :

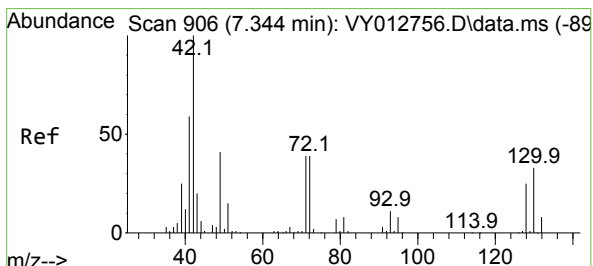
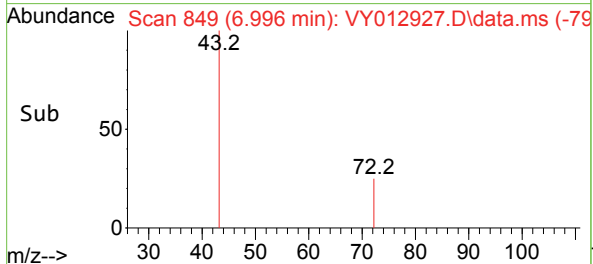
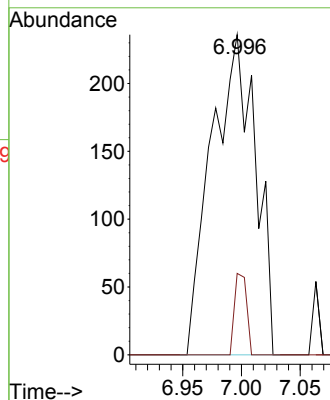
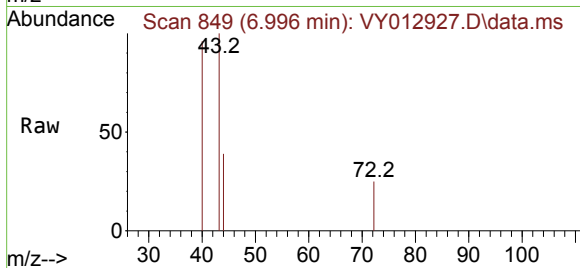
TOTAL-VOC-2-GRAB-8

Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

72 25.4 21.0 31.4



#29

Tetrahydrofuran

Concen: 6.327 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY012927.D

Acq: 13 Mar 2023 15:15

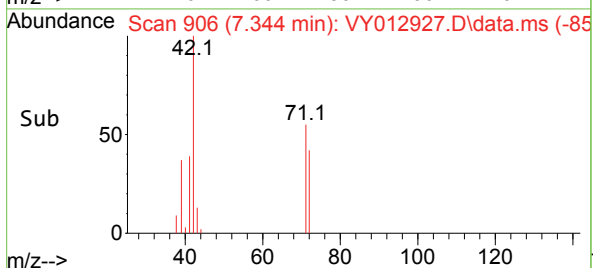
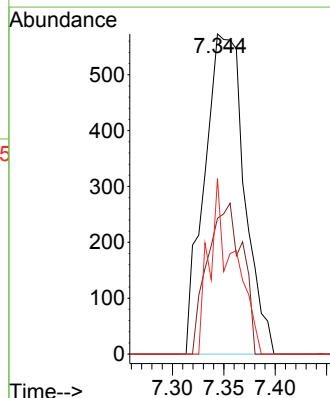
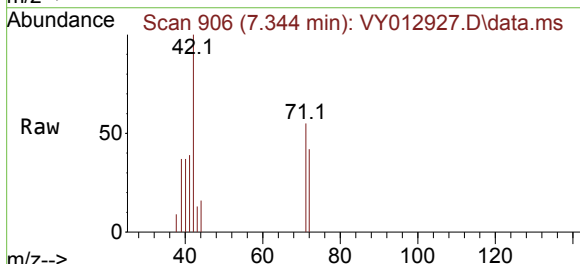
Tgt Ion: 42 Resp: 1547

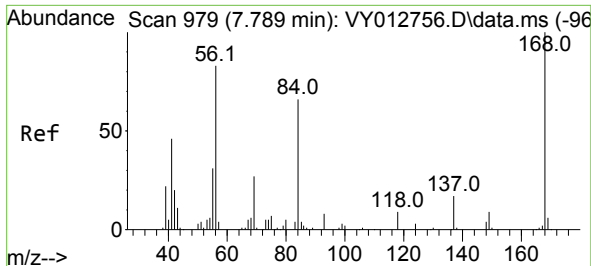
Ion Ratio Lower Upper

42 100

72 41.0 32.3 48.5

71 34.3 30.3 45.5

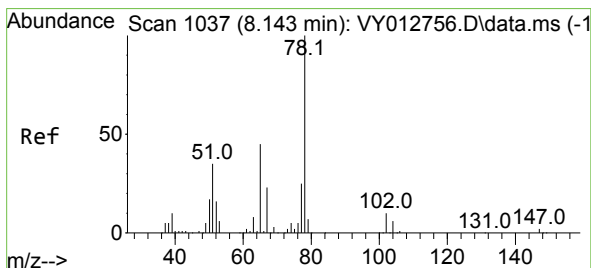
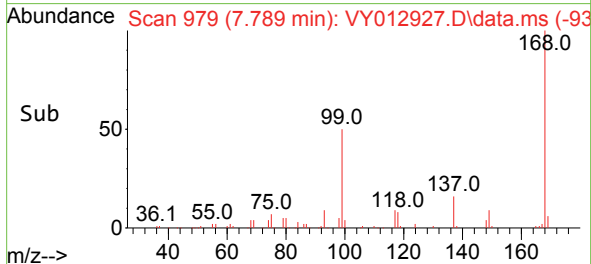
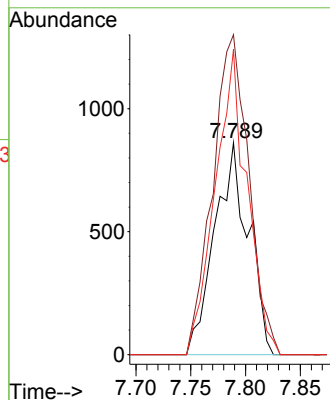
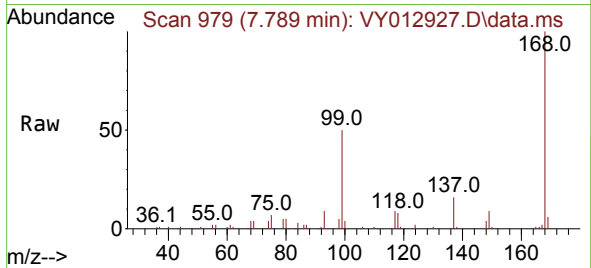




#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012927.D
Acq: 13 Mar 2023 15:15

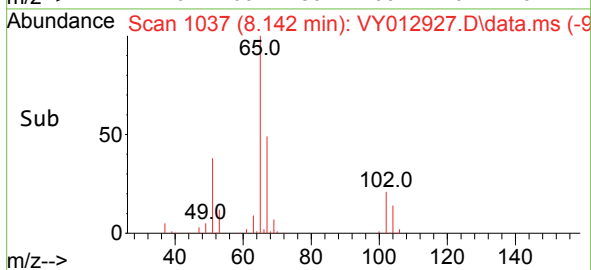
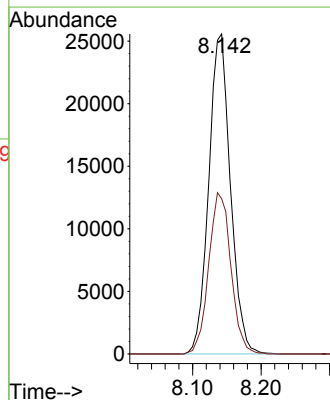
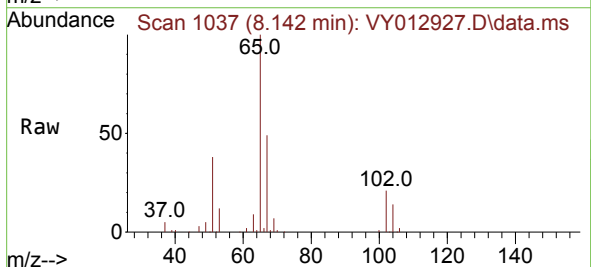
Instrument :
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ClientSampleId :
TOTAL-VOC-2-GRAB-8

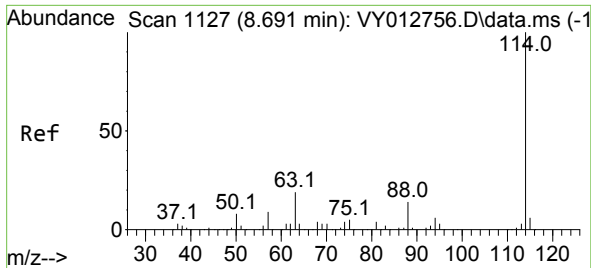
Tgt Ion: 56 Resp: 1852
Ion Ratio Lower Upper
56 100
69 150.9 25.7 38.5#
84 144.0 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 67.547 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012927.D
Acq: 13 Mar 2023 15:15

Tgt Ion: 65 Resp: 56330
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0

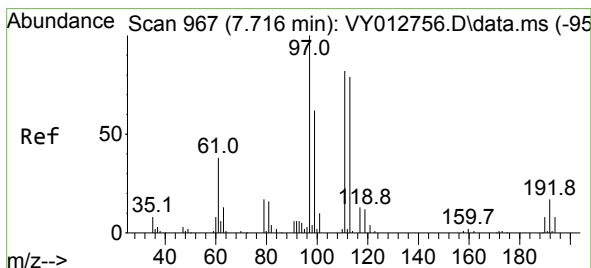
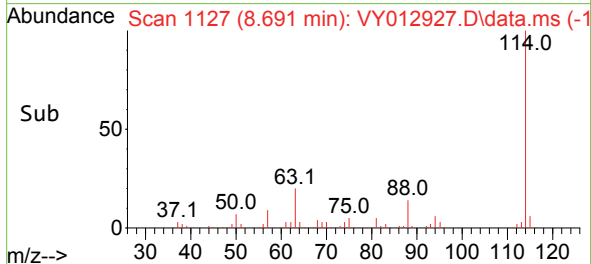
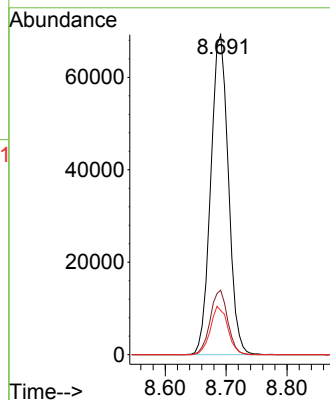
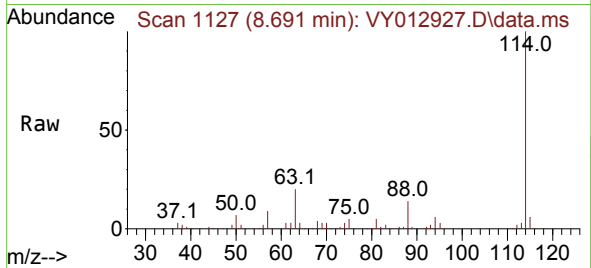




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012927.D
Acq: 13 Mar 2023 15:15

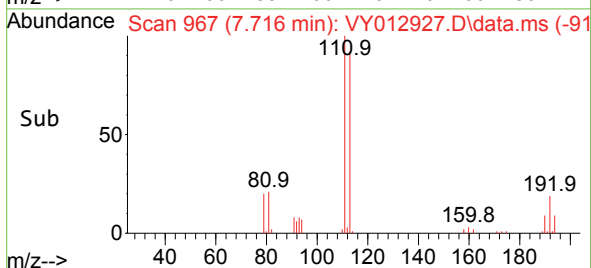
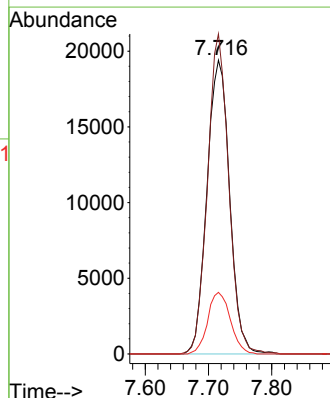
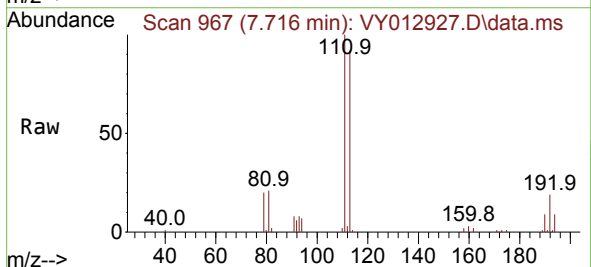
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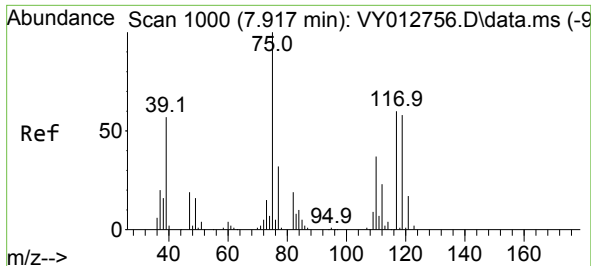
Tgt Ion:114 Resp: 138917
Ion Ratio Lower Upper
114 100
63 20.1 0.0 37.4
88 13.8 0.0 28.6



#35
Dibromofluoromethane
Concen: 57.717 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012927.D
Acq: 13 Mar 2023 15:15

Tgt Ion:113 Resp: 48388
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 20.9 16.8 25.2

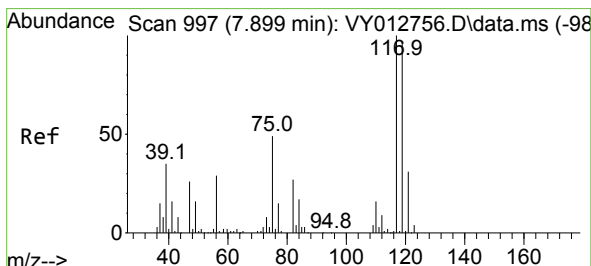
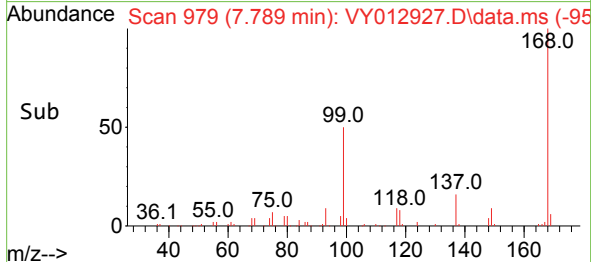
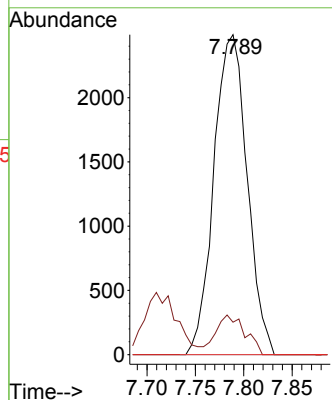
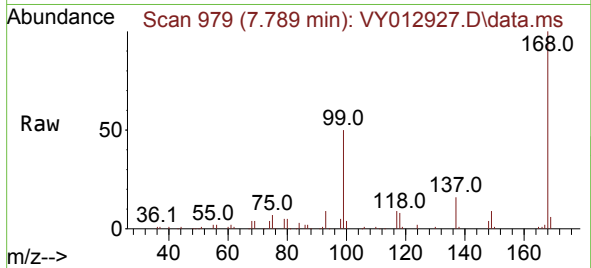




#36
1,1-Dichloropropene
Concen: 4.233 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012927.D
Acq: 13 Mar 2023 15:15

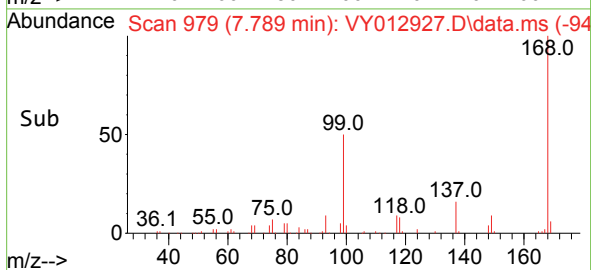
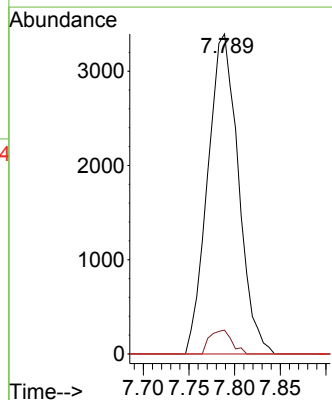
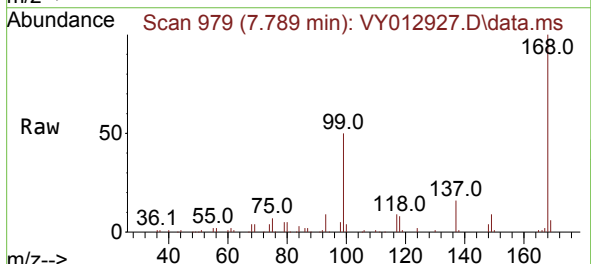
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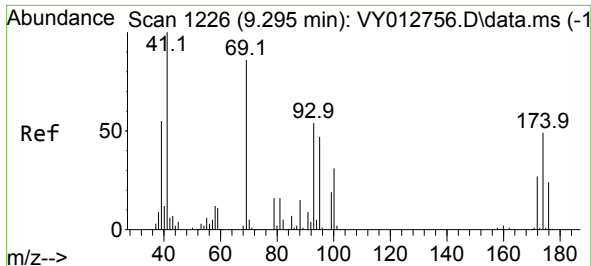
Tgt Ion: 75 Resp: 5947
Ion Ratio Lower Upper
75 100
110 10.8 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.466 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012927.D
Acq: 13 Mar 2023 15:15

Tgt Ion: 117 Resp: 7930
Ion Ratio Lower Upper
117 100
119 7.5 77.2 115.8#
121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 10.004 ug/l

RT: 9.319 min Scan# 1226

Delta R.T. 0.024 min

Lab File: VY012927.D

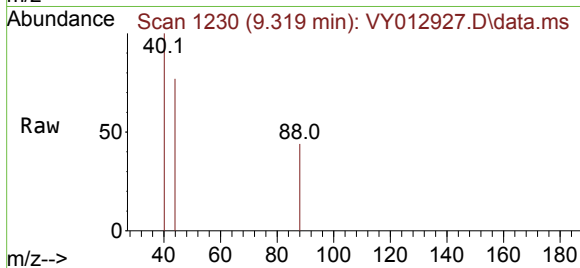
Acq: 13 Mar 2023 15:15

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-2-GRAB-8



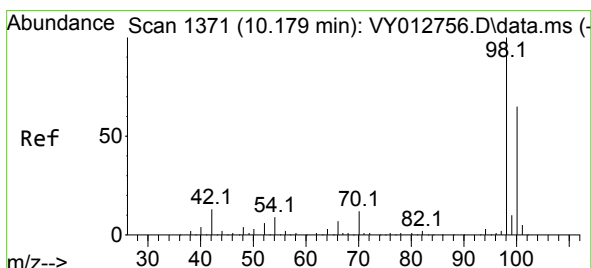
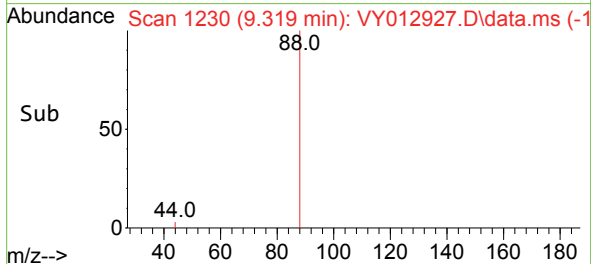
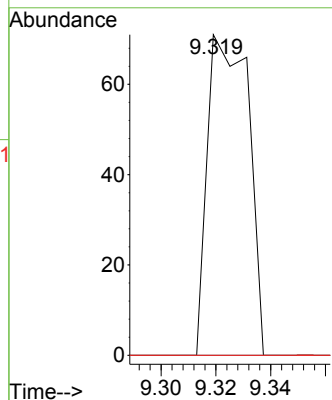
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

58 0.0 55.2 82.8#



#50

Toluene-d8

Concen: 54.522 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012927.D

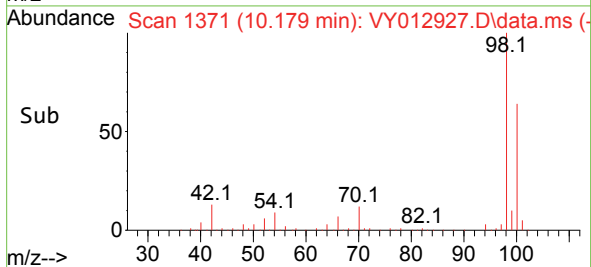
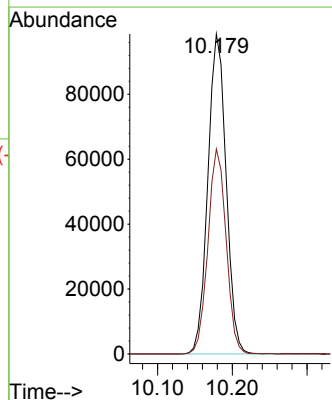
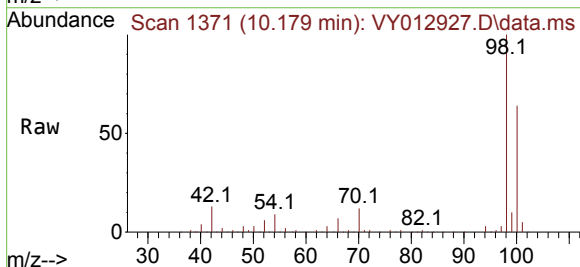
Acq: 13 Mar 2023 15:15

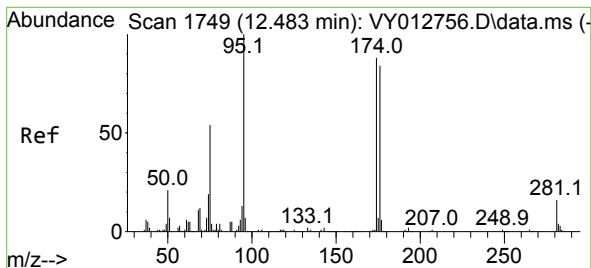
Tgt Ion: 98 Resp: 167103

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 49.974 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012927.D

Acq: 13 Mar 2023 15:15

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-2-GRAB-8

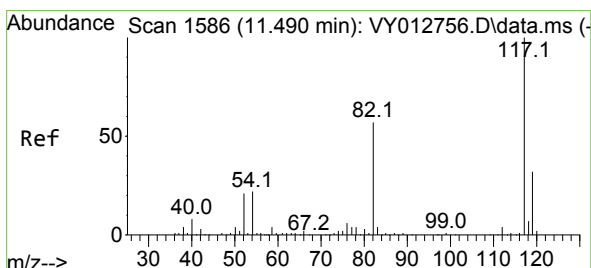
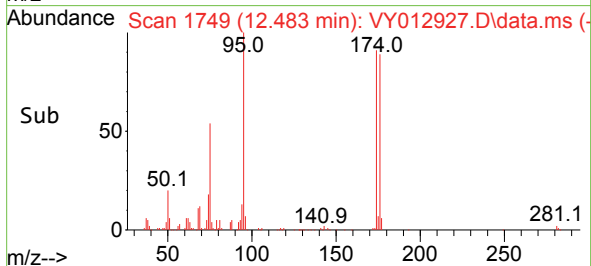
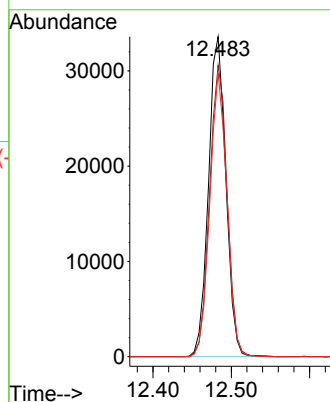
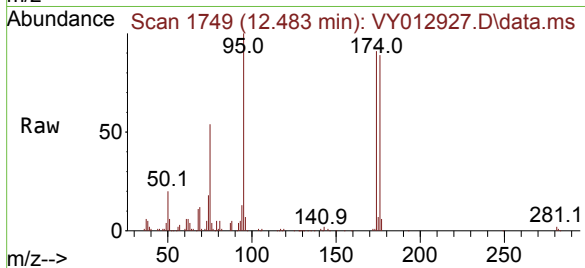
Tgt Ion: 95 Resp: 51697

Ion Ratio Lower Upper

95 100

174 92.5 0.0 176.6

176 87.1 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY012927.D

Acq: 13 Mar 2023 15:15

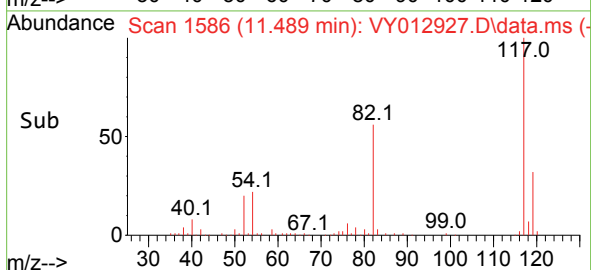
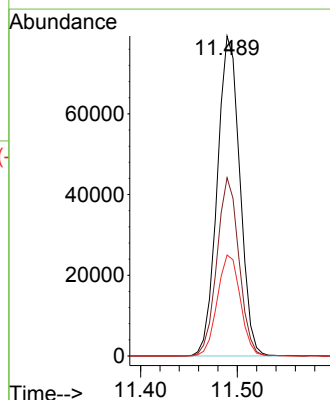
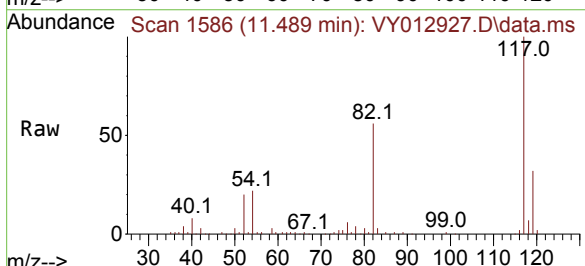
Tgt Ion: 117 Resp: 128404

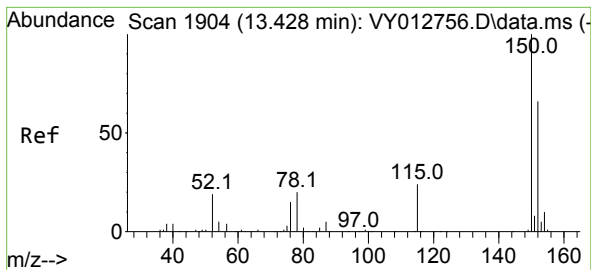
Ion Ratio Lower Upper

117 100

82 55.7 45.4 68.0

119 31.6 25.6 38.4

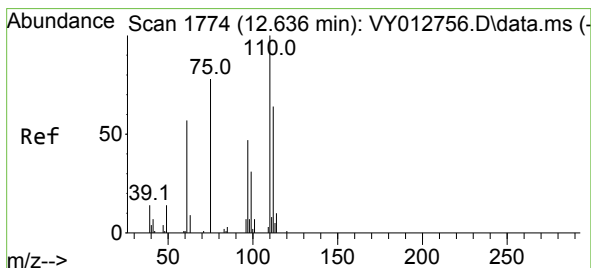
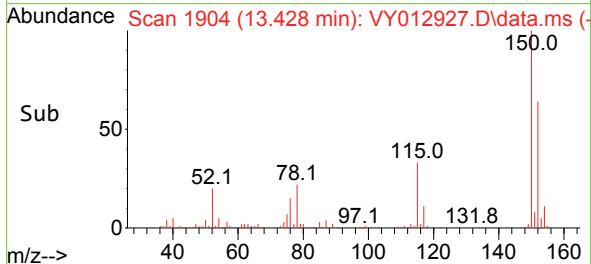
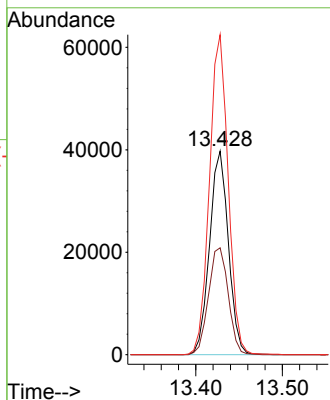
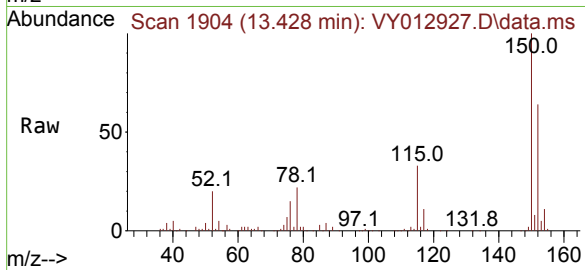




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY012927.D
 Acq: 13 Mar 2023 15:15

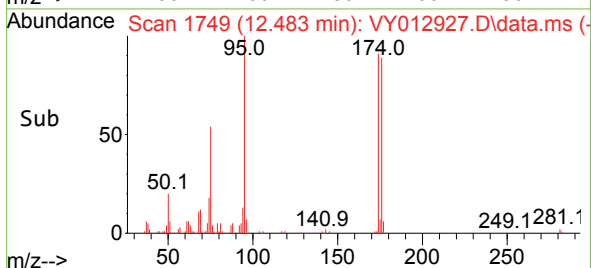
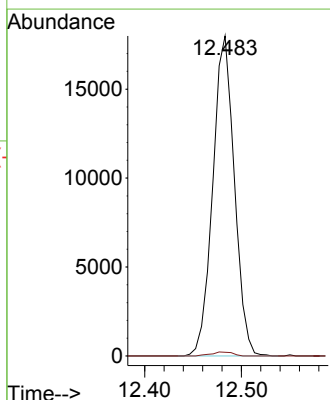
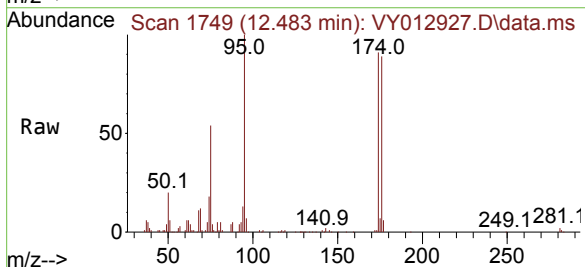
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-2-GRAB-8

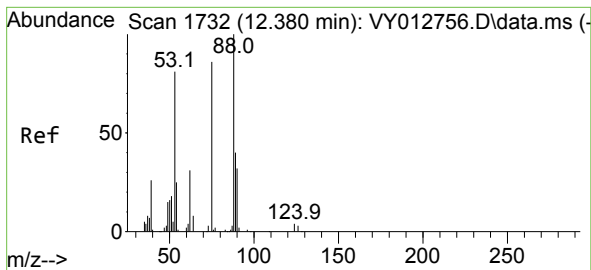
Tgt Ion:152 Resp: 60109
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.1 81.3
 150 156.1 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 38.884 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY012927.D
 Acq: 13 Mar 2023 15:15

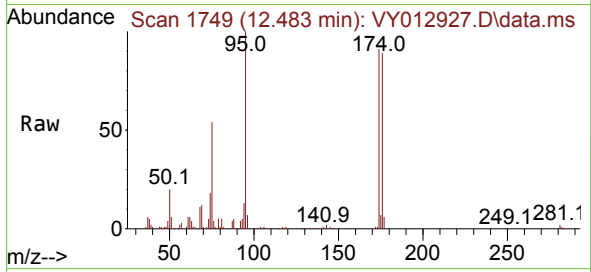
Tgt Ion: 75 Resp: 27911
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.569 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012927.D
 Acq: 13 Mar 2023 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-2-GRAB-8



Tgt Ion: 75 Resp: 27911
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.4 110.0#
 89 0.0 36.6 55.0#

