

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012773.D
 Acq On : 02 Mar 2023 20:47
 Operator : KP/MD
 Sample : 01739-12
 Misc : 9.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-4-GRAB-8

Quant Time: Mar 03 02:00:29 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)

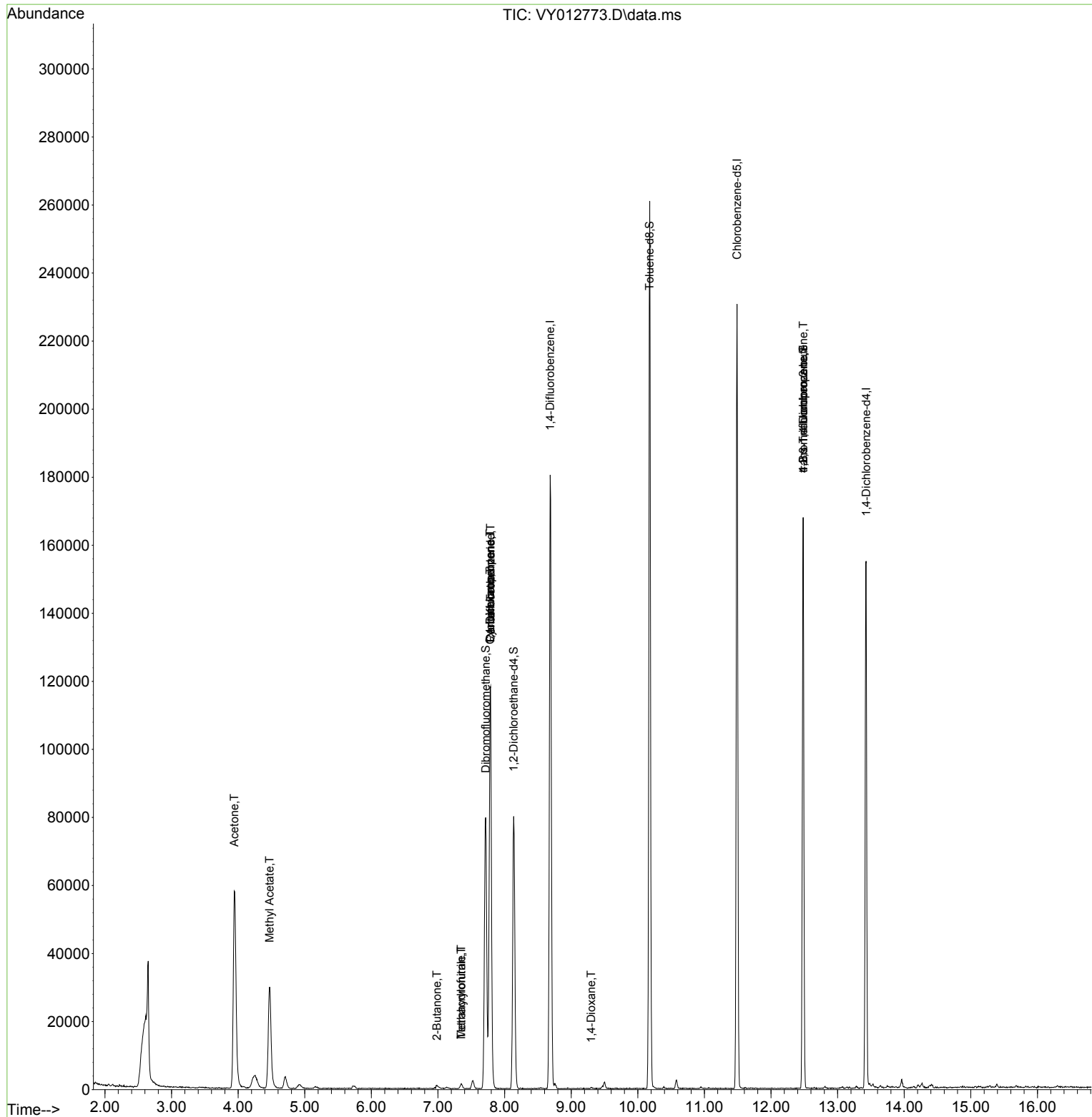
Internal Standards						
1) Pentafluorobenzene	7.789	168	94075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	154598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	120690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	40707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	62936	67.380	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.760%	
35) Dibromofluoromethane	7.716	113	58210	62.390	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.780%	
50) Toluene-d8	10.179	98	165450	48.507	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.020%	
62) 4-Bromofluorobenzene	12.483	95	48947	42.517	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.040%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.924	59	1367	Below Cal	#	74
16) Acetone	3.942	43	107905	294.325	ug/l	99
18) Methyl Acetate	4.472	43	61235	56.087	ug/l	99
20) Methylene Chloride	4.710	84	2536	Below Cal	#	90
25) 2-Butanone	6.984	43	579	1.275	ug/l	91
29) Tetrahydrofuran	7.350	42	1023	3.735	ug/l	# 89
31) Cyclohexane	7.783	56	2004	1.120	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	7389	4.726	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	9375	5.807	ug/l	# 17
41) Methacrylonitrile	7.350	41	629	1.185	ug/l	# 100
49) 1,4-Dioxane	9.301	88	203	24.660	ug/l	# 75
76) 1,2,3-Trichloropropane	12.483	75	25656	52.779	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	25656	109.359	ug/l	# 13

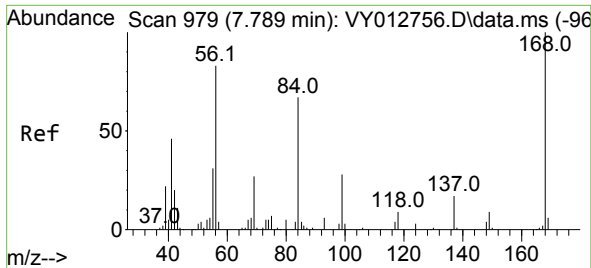
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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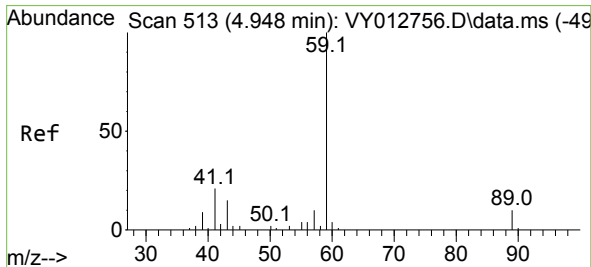
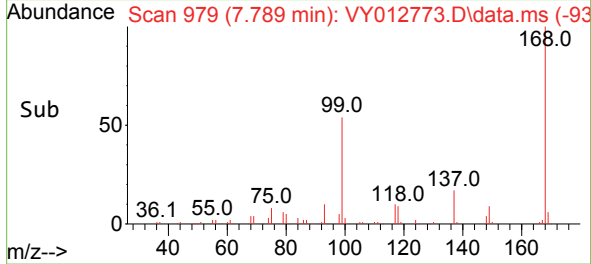
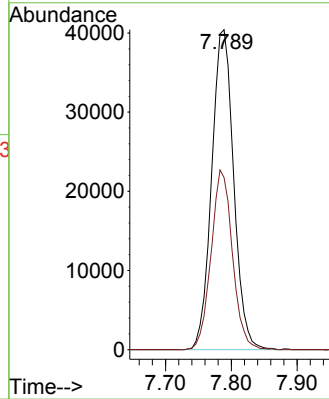
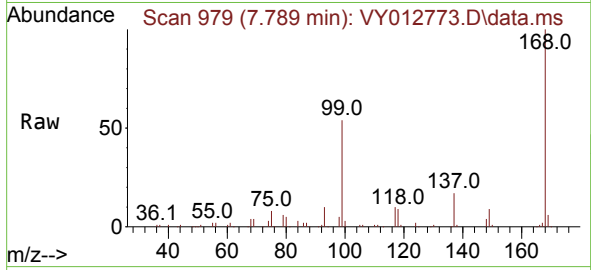




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012773.D
Acq: 02 Mar 2023 20:47

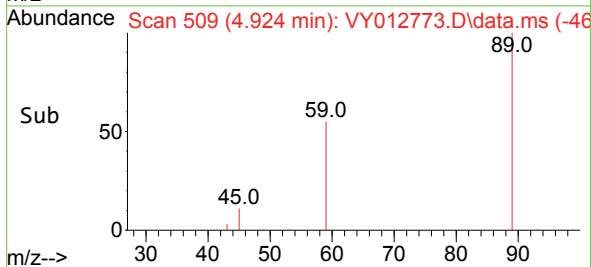
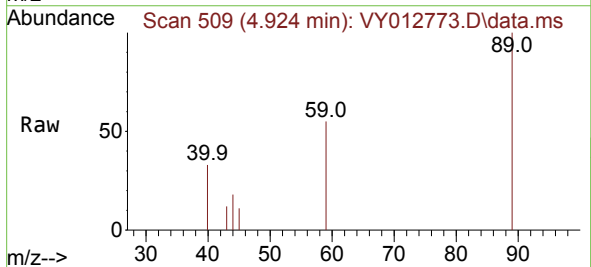
Instrument :
MSVOA_Y
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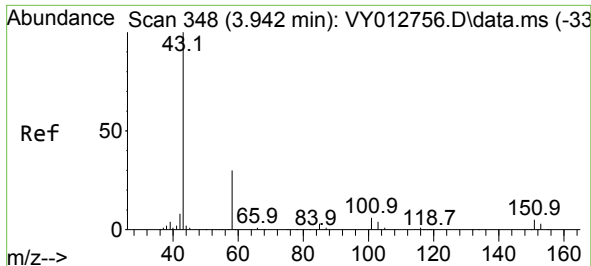
Tgt Ion:168 Resp: 94075
Ion Ratio Lower Upper
168 100
99 53.8 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012773.D
Acq: 02 Mar 2023 20:47

Tgt Ion: 59 Resp: 1367
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

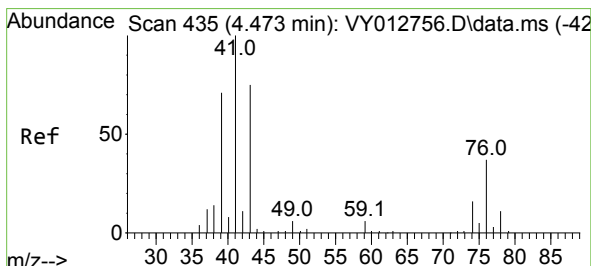
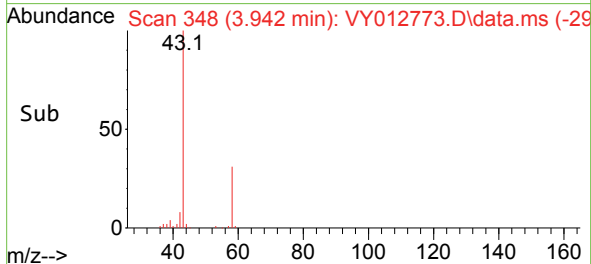
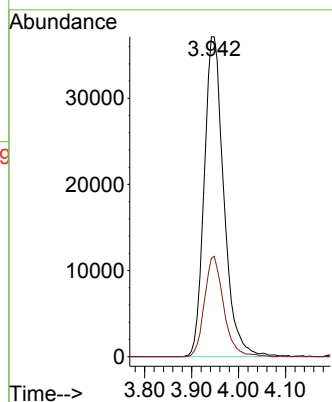
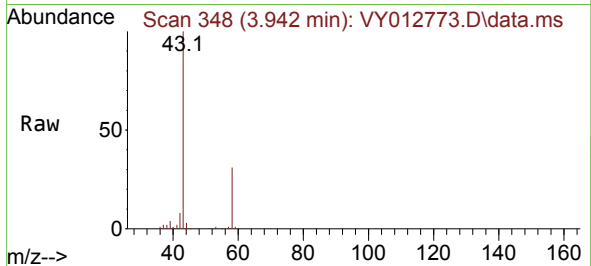




#16
Acetone
Concen: 294.325 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY012773.D
Acq: 02 Mar 2023 20:47

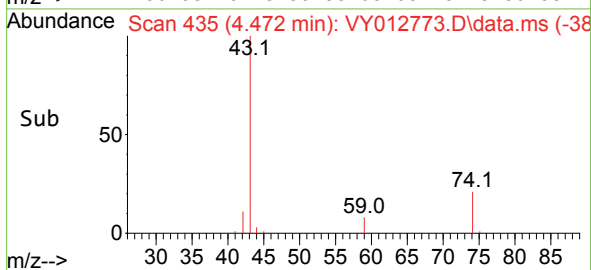
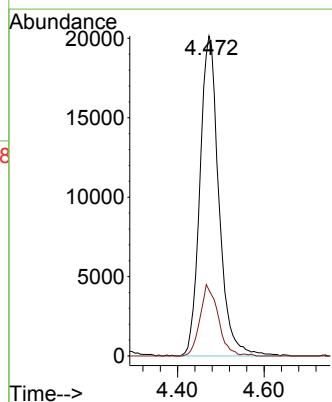
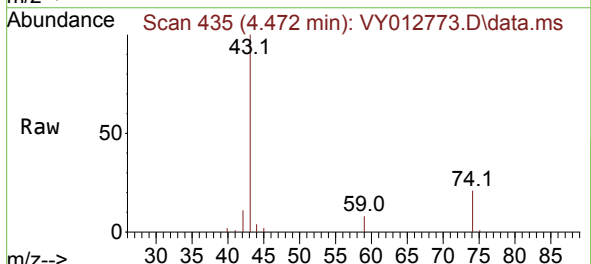
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-4-GRAB-8

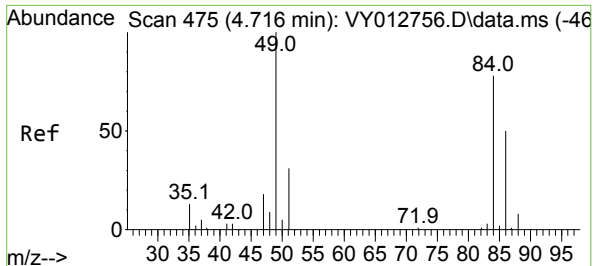
Tgt Ion: 43 Resp: 107905
Ion Ratio Lower Upper
43 100
58 30.8 24.2 36.2



#18
Methyl Acetate
Concen: 56.087 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY012773.D
Acq: 02 Mar 2023 20:47

Tgt Ion: 43 Resp: 61235
Ion Ratio Lower Upper
43 100
74 21.2 17.4 26.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012773.D

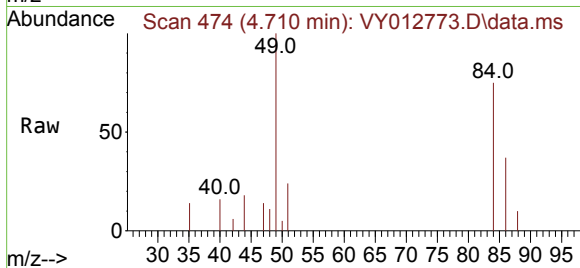
Acq: 02 Mar 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-4-GRAB-8



Tgt Ion: 84 Resp: 2536

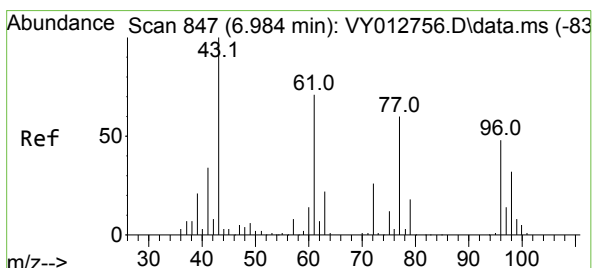
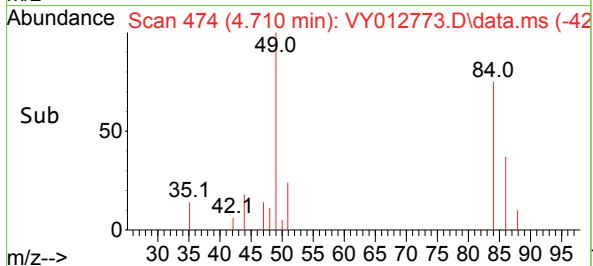
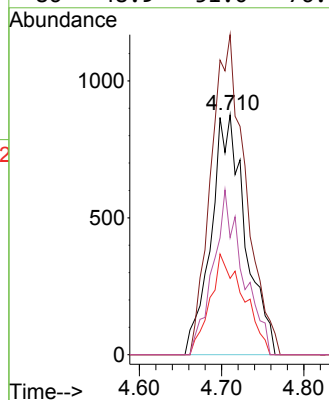
Ion Ratio Lower Upper

84 100

49 133.4 102.6 154.0

51 31.8 31.9 47.9#

86 48.9 51.0 76.6#



#25

2-Butanone

Concen: 1.275 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY012773.D

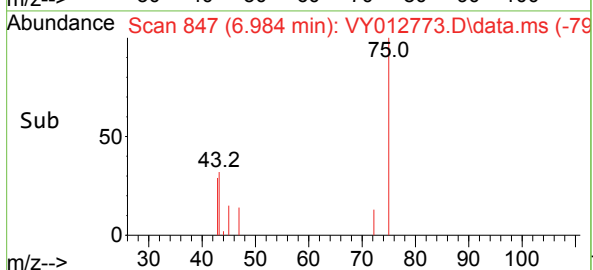
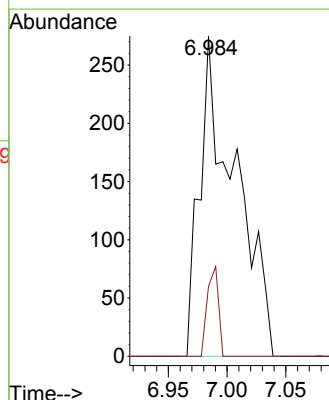
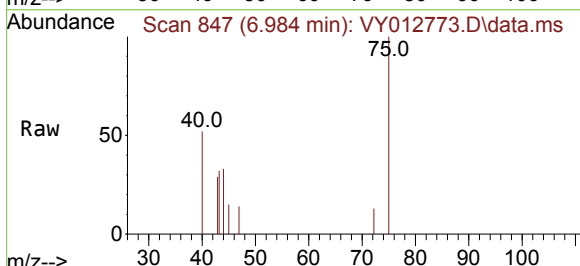
Acq: 02 Mar 2023 20:47

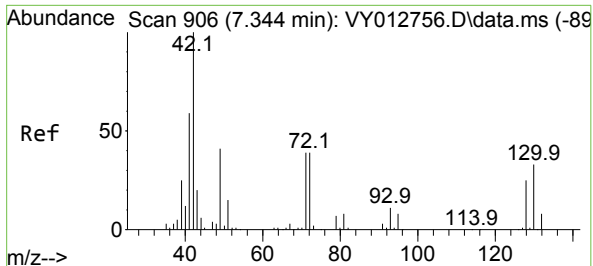
Tgt Ion: 43 Resp: 579

Ion Ratio Lower Upper

43 100

72 21.8 21.0 31.4





#29

Tetrahydrofuran

Concen: 3.735 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY012773.D

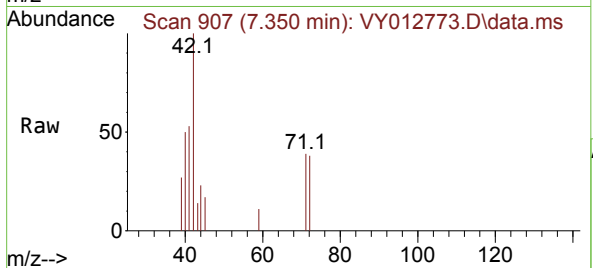
Acq: 02 Mar 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-4-GRAB-8



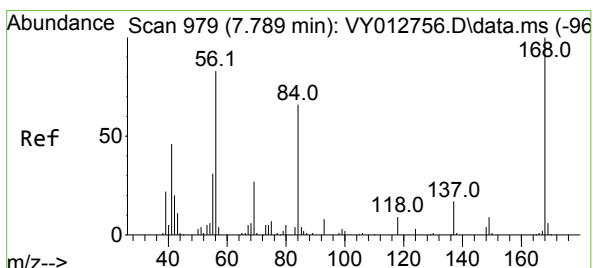
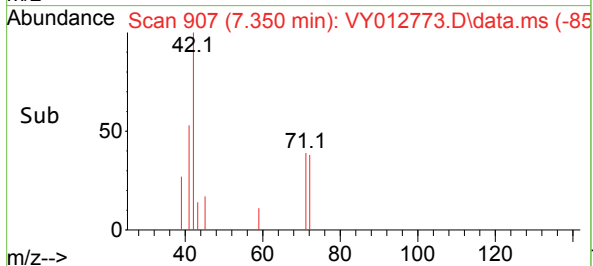
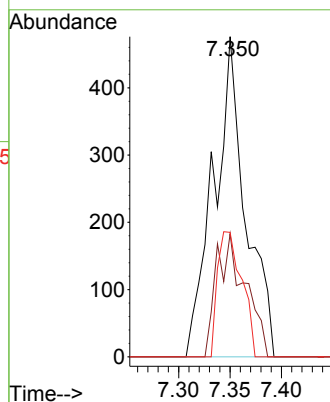
Tgt Ion: 42 Resp: 1023

Ion Ratio Lower Upper

42 100

72 35.0 32.3 48.5

71 29.7 30.3 45.5#



#31

Cyclohexane

Concen: 1.120 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY012773.D

Acq: 02 Mar 2023 20:47

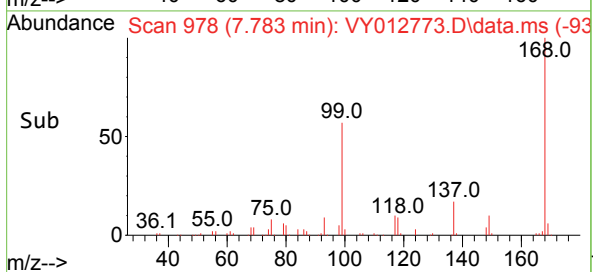
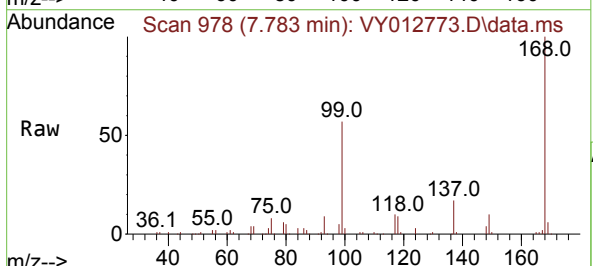
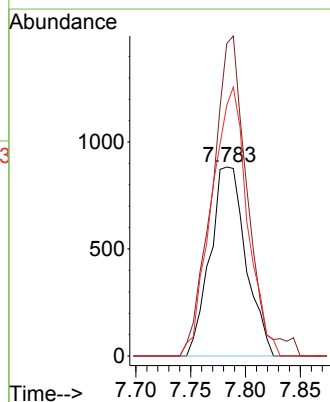
Tgt Ion: 56 Resp: 2004

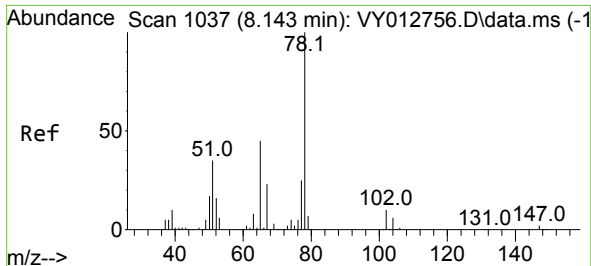
Ion Ratio Lower Upper

56 100

69 165.5 25.7 38.5#

84 132.7 64.3 96.5#

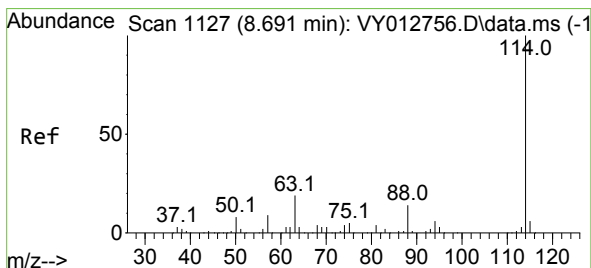
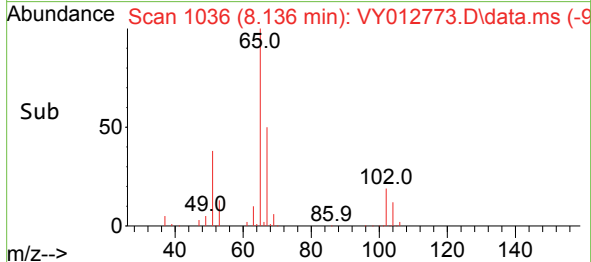
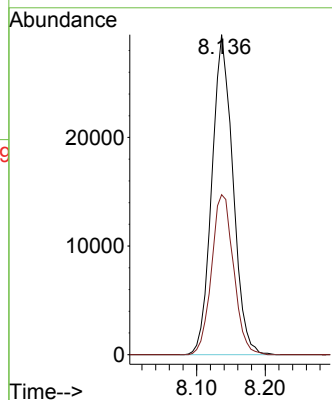
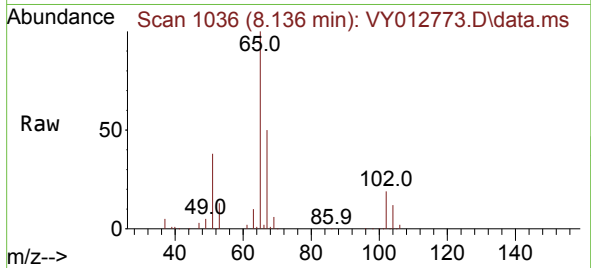




#33
1,2-Dichloroethane-d4
Concen: 67.380 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012773.D
Acq: 02 Mar 2023 20:47

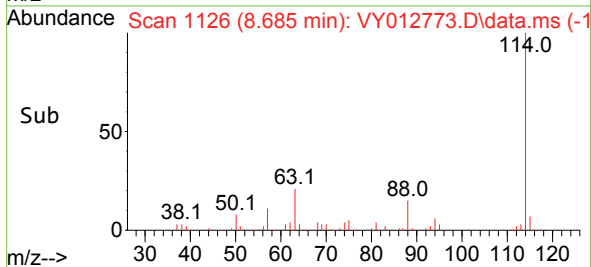
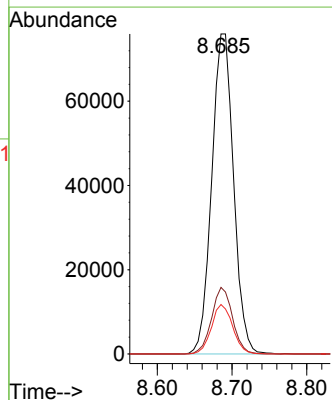
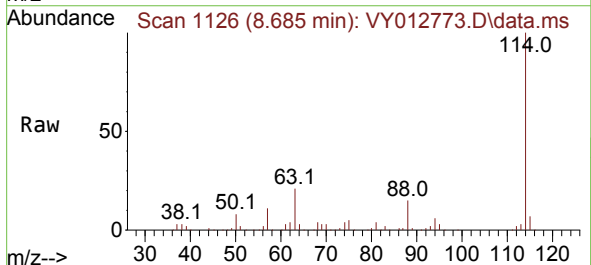
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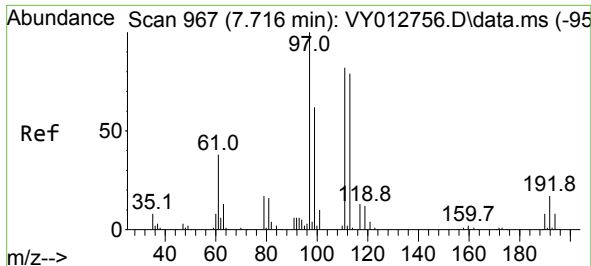
Tgt Ion: 65 Resp: 62936
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY012773.D
Acq: 02 Mar 2023 20:47

Tgt Ion: 114 Resp: 154598
Ion Ratio Lower Upper
114 100
63 20.8 0.0 37.4
88 15.4 0.0 28.6

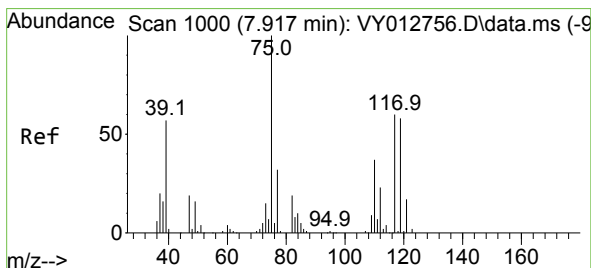
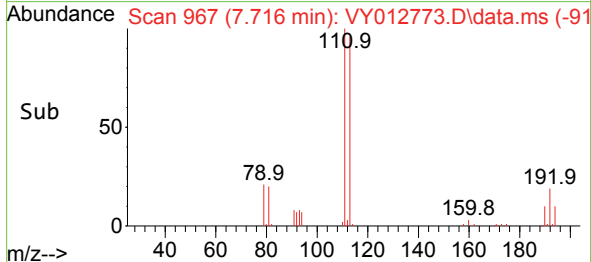
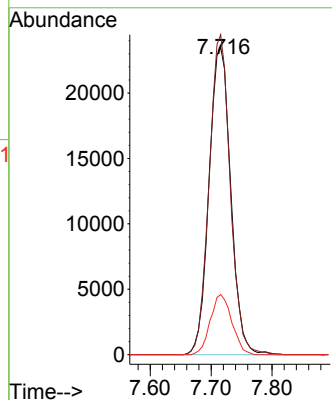
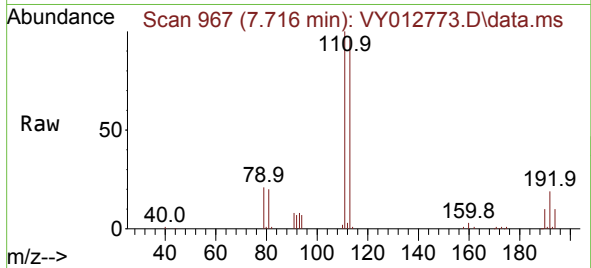




#35
Dibromofluoromethane
Concen: 62.390 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012773.D
Acq: 02 Mar 2023 20:47

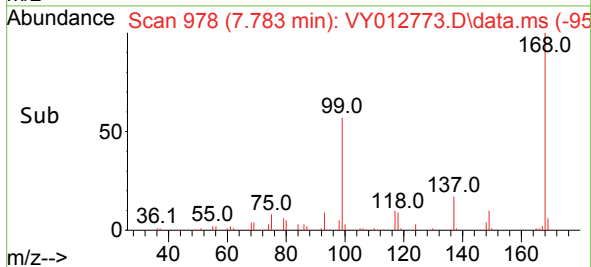
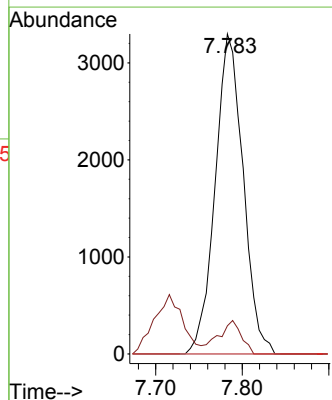
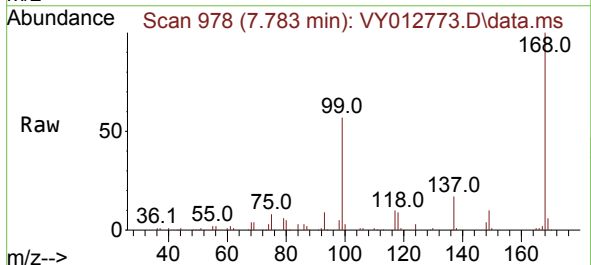
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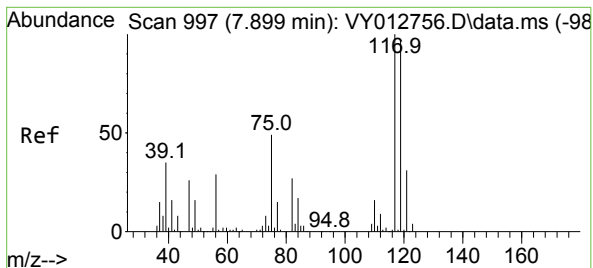
Tgt Ion:113 Resp: 58210
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.2
192 19.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.726 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012773.D
Acq: 02 Mar 2023 20:47

Tgt Ion: 75 Resp: 7389
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.807 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY012773.D

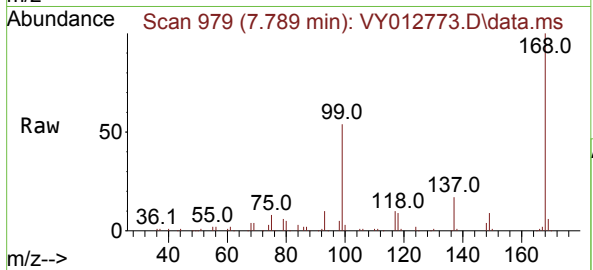
Acq: 02 Mar 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-4-GRAB-8



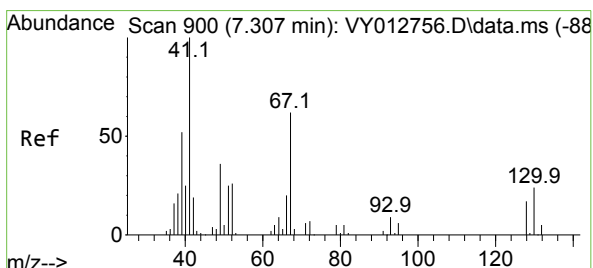
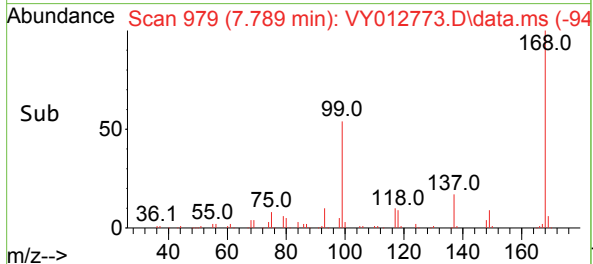
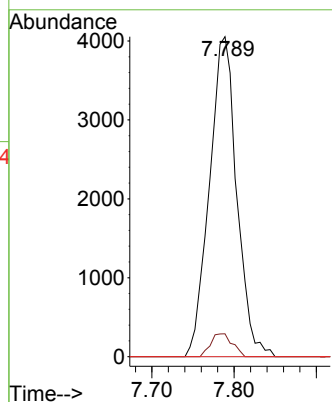
Tgt Ion:117 Resp: 9375

Ion Ratio Lower Upper

117 100

119 7.2 77.2 115.8#

121 0.0 24.7 37.1#



#41

Methacrylonitrile

Concen: 1.185 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.043 min

Lab File: VY012773.D

Acq: 02 Mar 2023 20:47

Tgt Ion: 41 Resp: 629

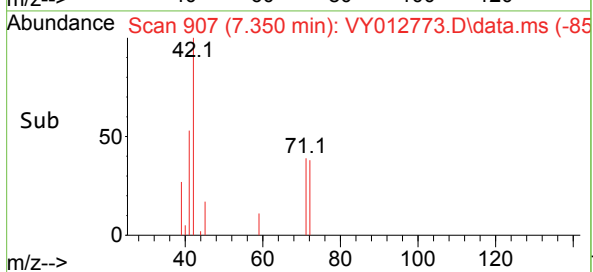
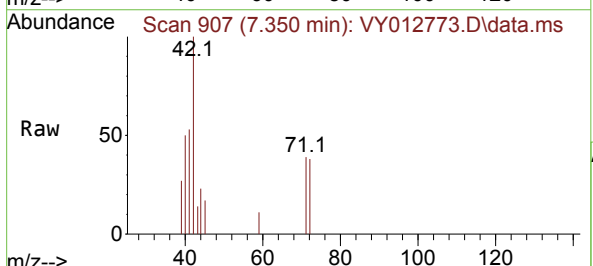
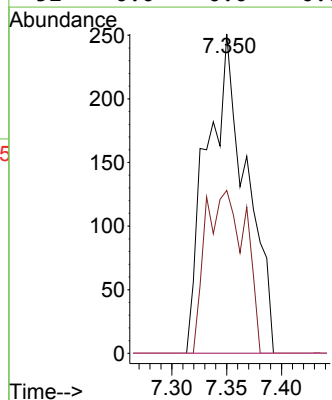
Ion Ratio Lower Upper

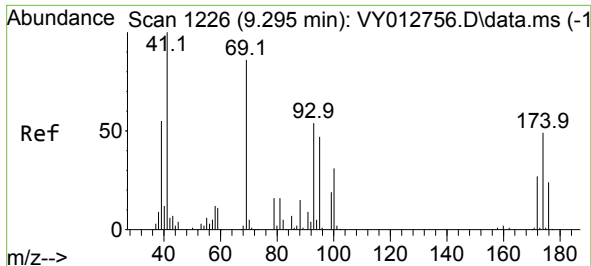
41 100

39 51.4 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#49

1,4-Dioxane

Concen: 24.660 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VY012773.D

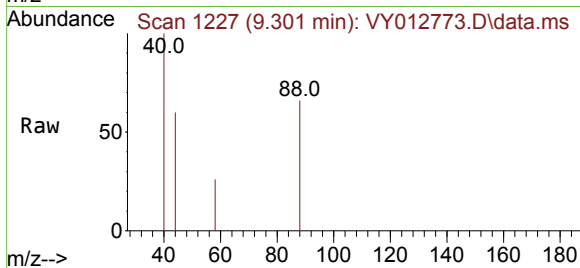
Acq: 02 Mar 2023 20:47

Instrument :

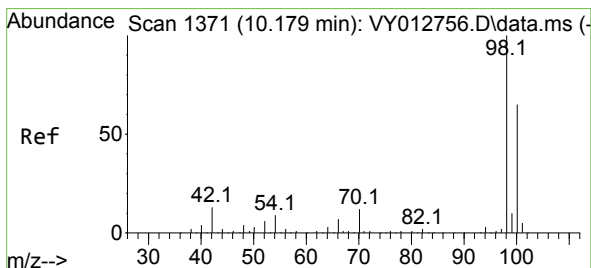
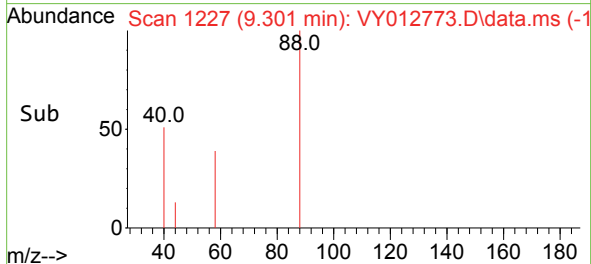
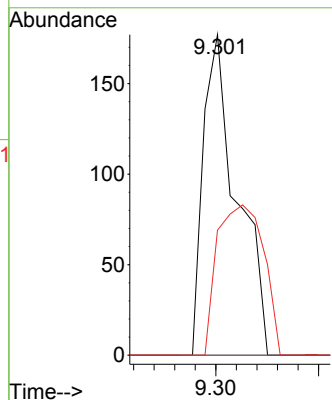
MSVOA_Y

ClientSampleId :

TOTAL-VOC-4-GRAB-8



Tgt Ion:	88	Resp:	203
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.6	42.8#
58	64.0	55.2	82.8



#50

Toluene-d8

Concen: 48.507 ug/l

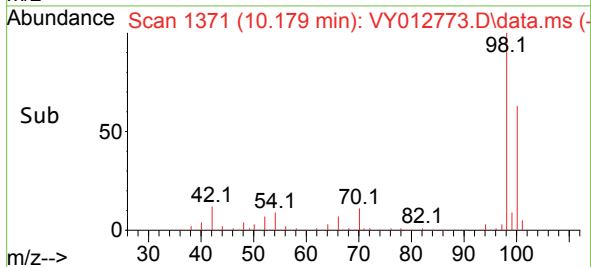
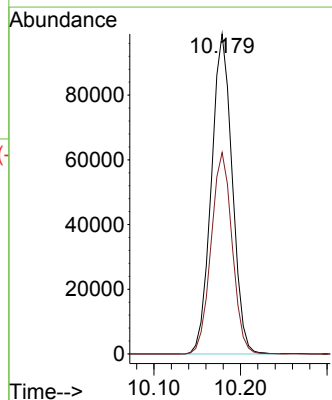
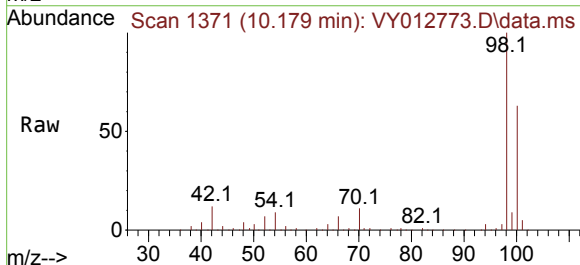
RT: 10.179 min Scan# 1371

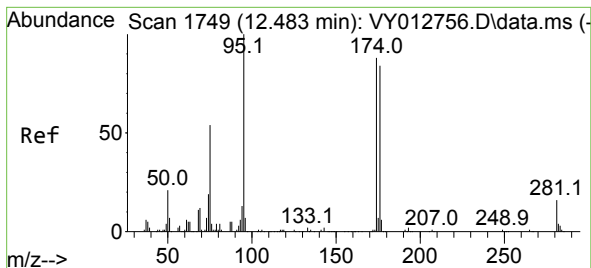
Delta R.T. -0.000 min

Lab File: VY012773.D

Acq: 02 Mar 2023 20:47

Tgt Ion:	98	Resp:	165450
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





#62

4-Bromofluorobenzene

Concen: 42.517 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012773.D

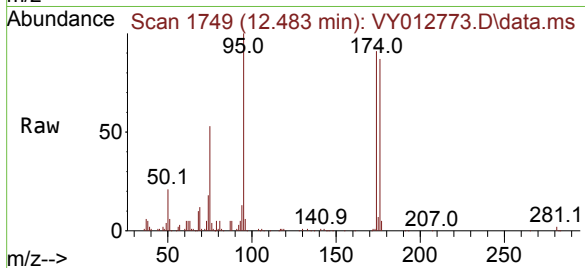
Acq: 02 Mar 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-4-GRAB-8



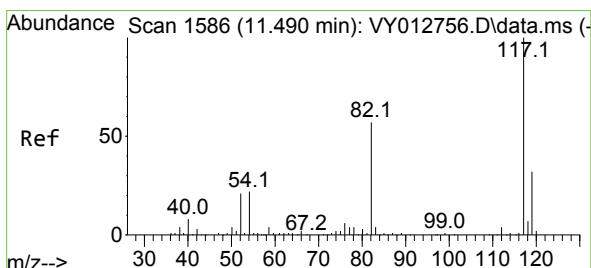
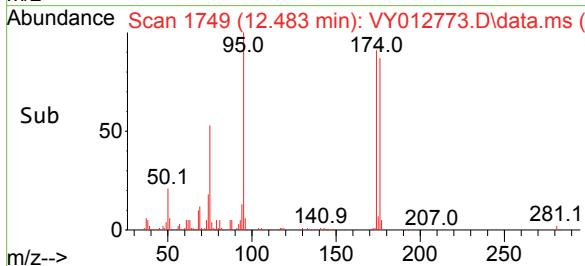
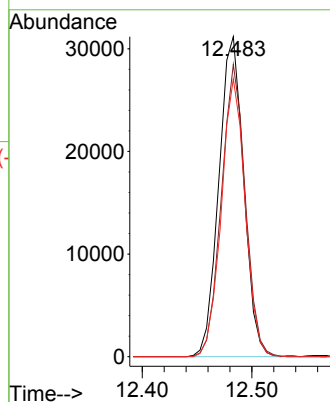
Tgt Ion: 95 Resp: 48947

Ion Ratio Lower Upper

95 100

174 88.2 0.0 176.6

176 83.5 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: VY012773.D

Acq: 02 Mar 2023 20:47

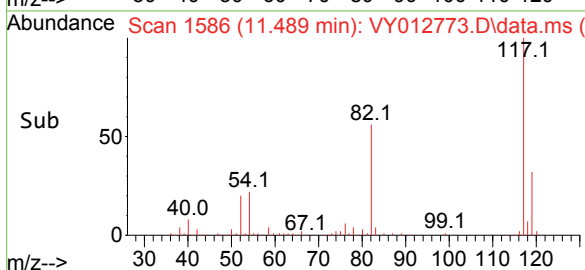
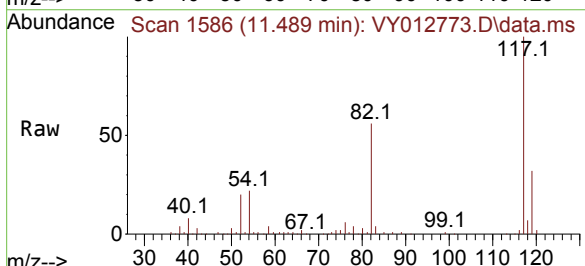
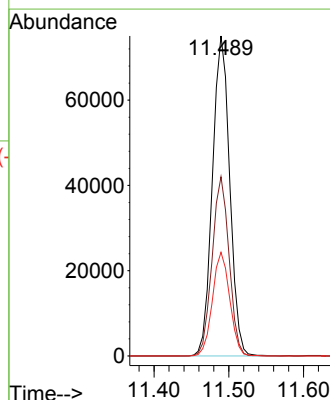
Tgt Ion: 117 Resp: 120690

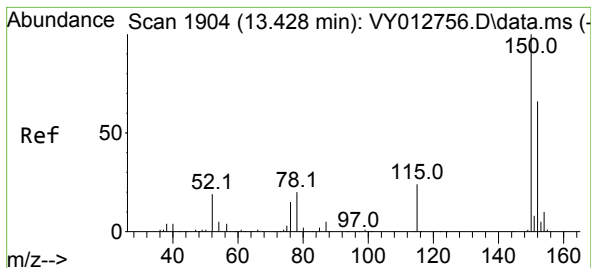
Ion Ratio Lower Upper

117 100

82 56.0 45.4 68.0

119 32.4 25.6 38.4

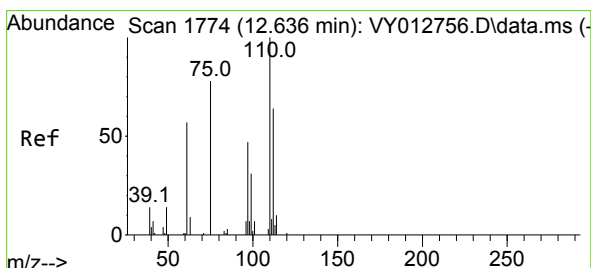
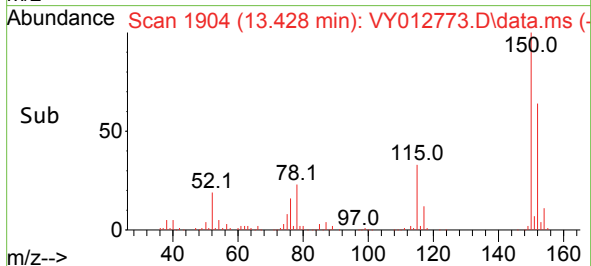
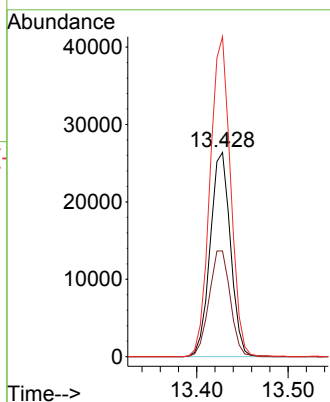
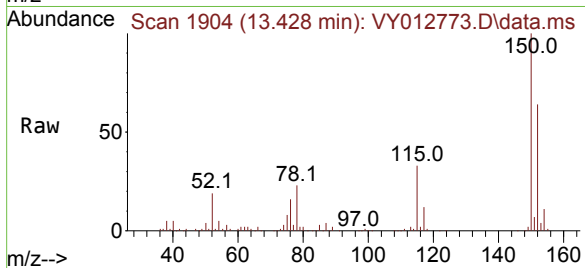




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY012773.D
 Acq: 02 Mar 2023 20:47

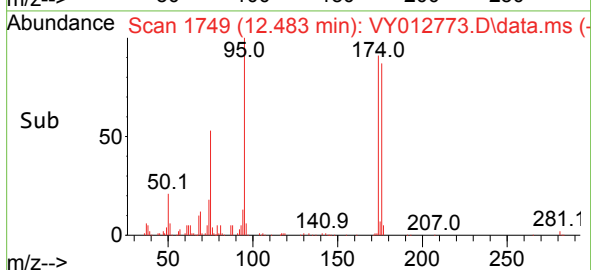
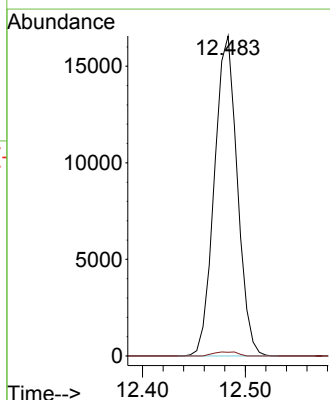
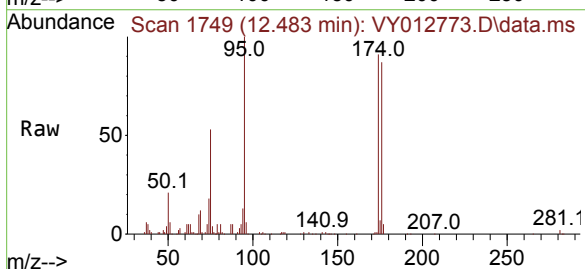
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-4-GRAB-8

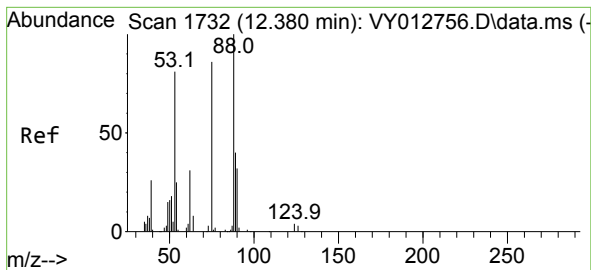
Tgt Ion:152 Resp: 40707
 Ion Ratio Lower Upper
 152 100
 115 54.1 27.1 81.3
 150 158.1 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 52.779 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012773.D
 Acq: 02 Mar 2023 20:47

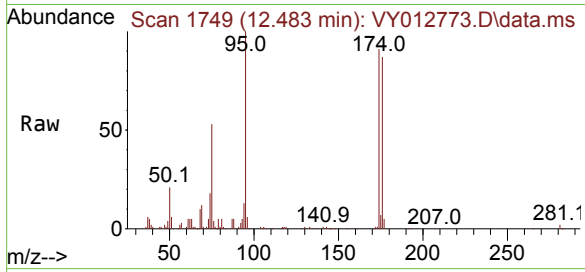
Tgt Ion: 75 Resp: 25656
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.359 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012773.D
 Acq: 02 Mar 2023 20:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-4-GRAB-8



Tgt Ion: 75 Resp: 25656
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.0#
 89 0.0 36.6 55.0#

