

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014410.D
 Acq On : 23 Jun 2023 16:14
 Operator : KP/MD
 Sample : 03329-12RE
 Misc : 6.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW03-8-15-GRAB-7

Quant Time: Jun 23 17:38:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

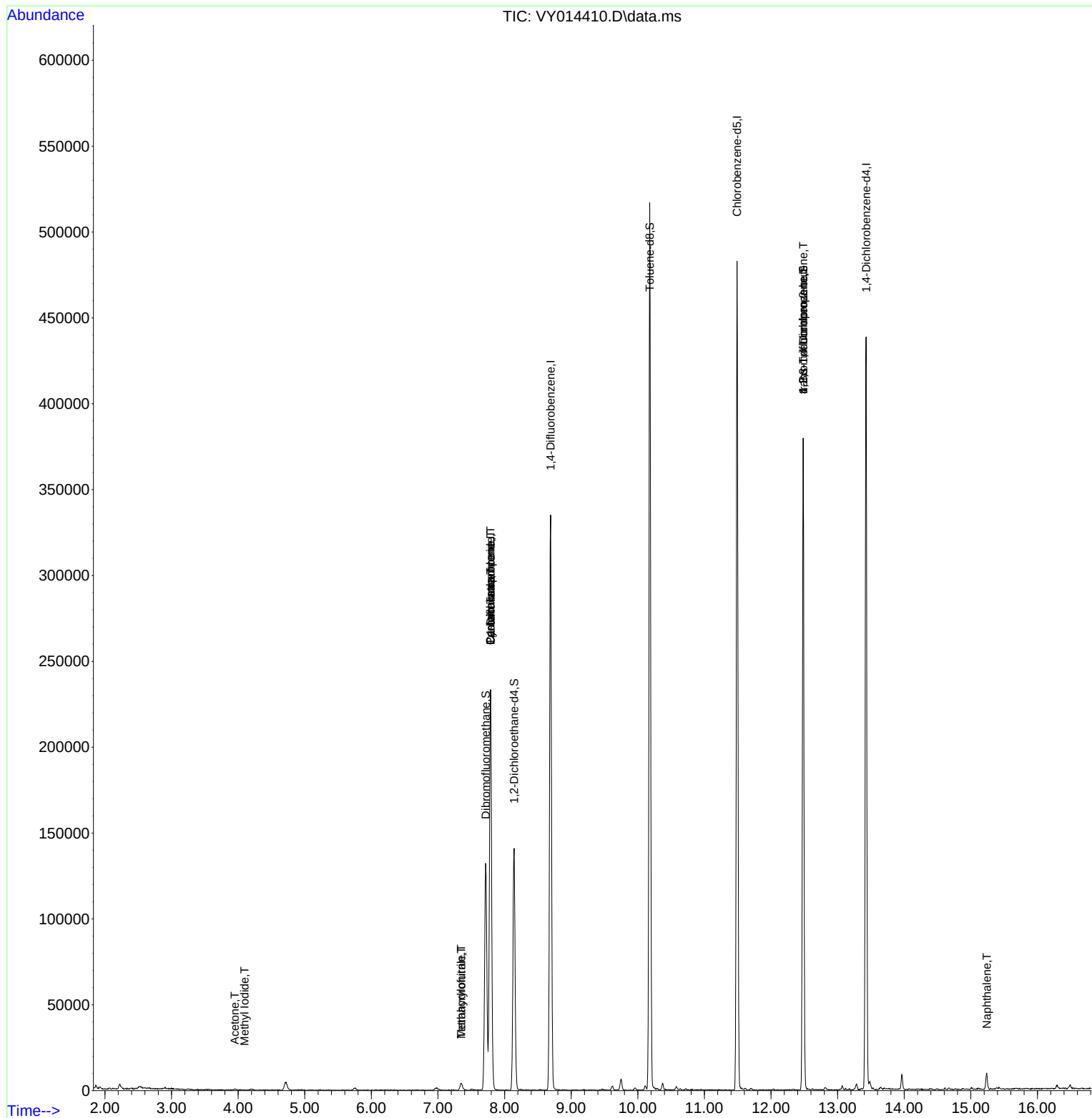
Internal Standards						
1) Pentafluorobenzene	7.789	168	181277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	280146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	258335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124016	55.101	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.200%			
35) Dibromofluoromethane	7.716	113	86784	50.141	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.280%			
50) Toluene-d8	10.179	98	334748	48.654	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.300%			
62) 4-Bromofluorobenzene	12.483	95	101449	41.302	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.600%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	62	2.901	ug/l #	38
11) Tert butyl alcohol	4.948	59	236	Below Cal	#	89
16) Acetone	3.948	43	993	1.402	ug/l #	83
20) Methylene Chloride	4.710	84	3417	Below Cal	#	83
29) Tetrahydrofuran	7.350	42	2919	5.550	ug/l #	82
31) Cyclohexane	7.789	56	4161	1.497	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	12881	4.829	ug/l #	52
38) Carbon Tetrachloride	7.789	117	17381	5.178	ug/l #	18
41) Methacrylonitrile	7.350	41	2052	2.253	ug/l #	41
76) 1,2,3-Trichloropropane	12.483	75	58075	39.743	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58075	90.482	ug/l #	11
95) Naphthalene	15.239	128	7932	1.581	ug/l #	96

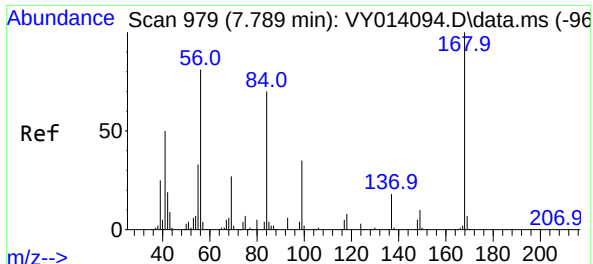
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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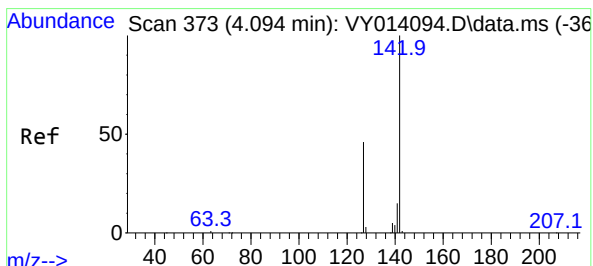
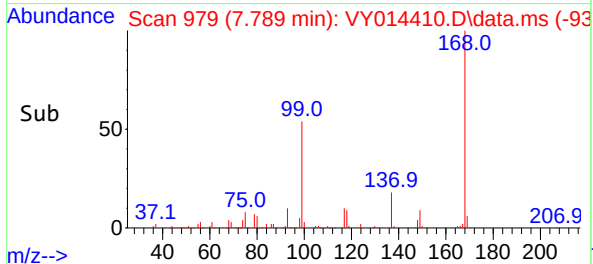
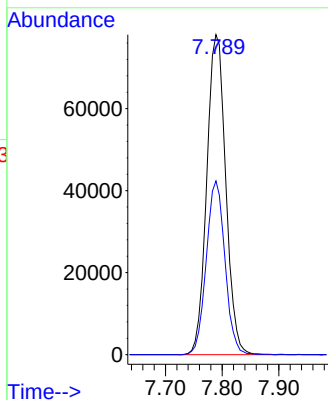
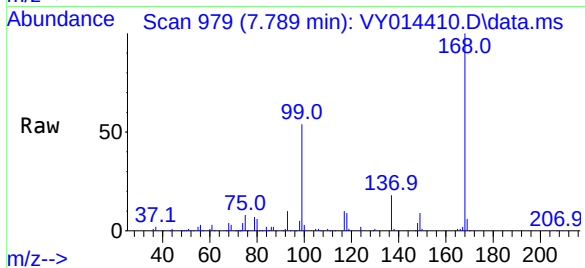




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

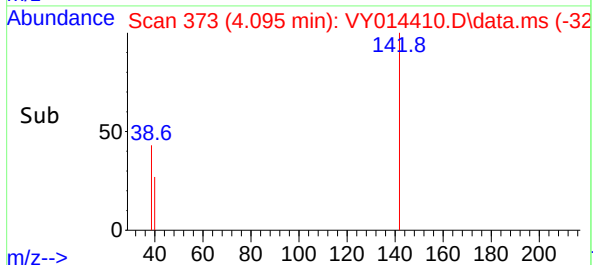
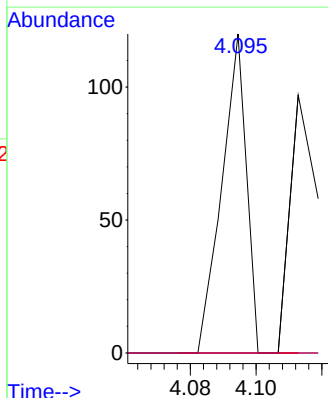
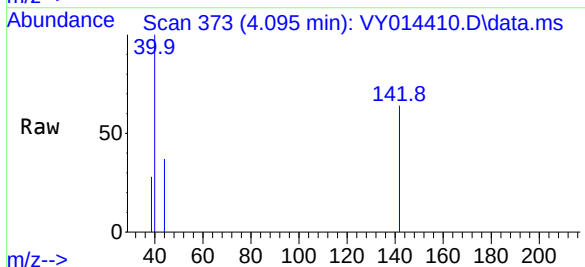
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-7

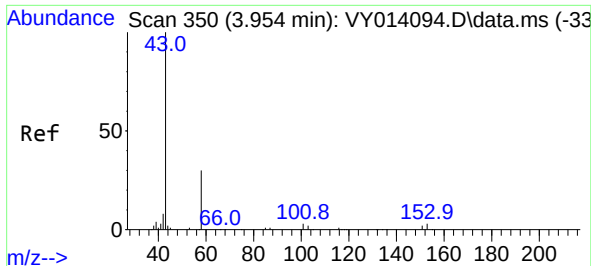
Tgt Ion:168 Resp: 181277
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#10
Methyl Iodide
Concen: 2.901 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 1.402 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY014410.D

Acq: 23 Jun 2023 16:14

Instrument :

MSVOA_Y

ClientSampleId :

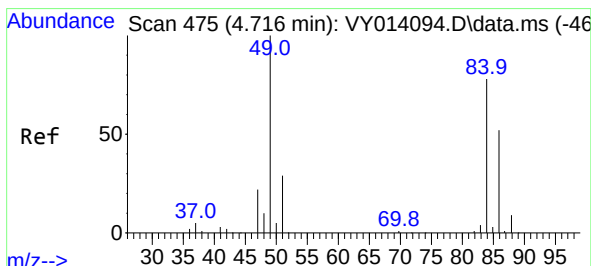
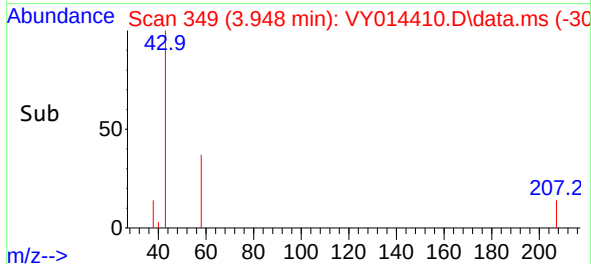
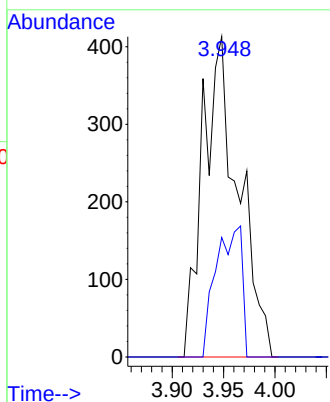
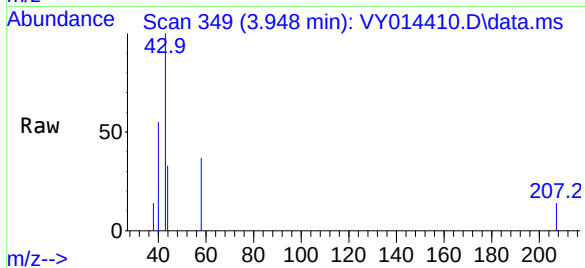
TOTAL-VOC-SW03-8-15-GRAB-7

Tgt Ion: 43 Resp: 993

Ion Ratio Lower Upper

43 100

58 37.3 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014410.D

Acq: 23 Jun 2023 16:14

Tgt Ion: 84 Resp: 3417

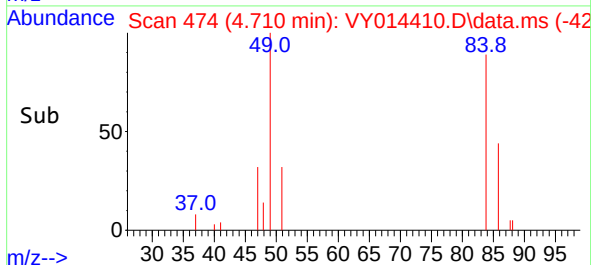
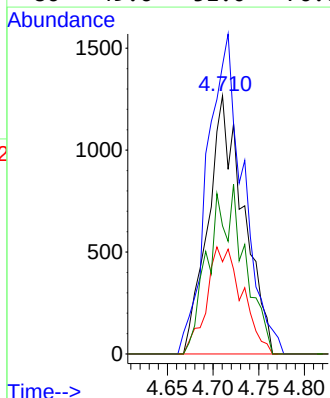
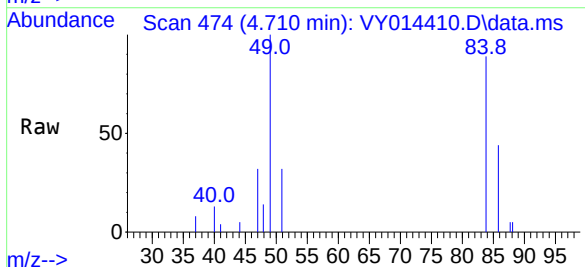
Ion Ratio Lower Upper

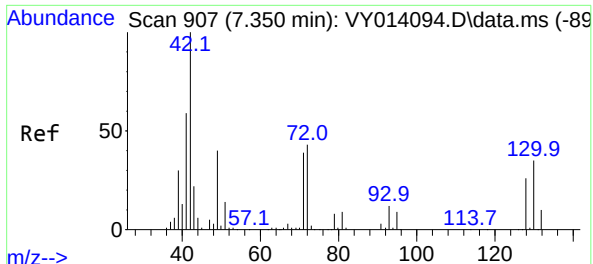
84 100

49 111.8 106.9 160.3

51 35.7 33.2 49.8

86 49.6 51.0 76.6#





#29

Tetrahydrofuran

Concen: 5.550 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY014410.D

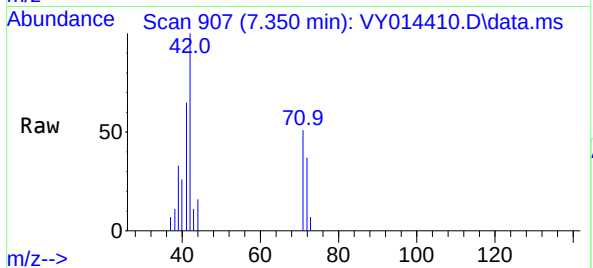
Acq: 23 Jun 2023 16:14

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW03-8-15-GRAB-7



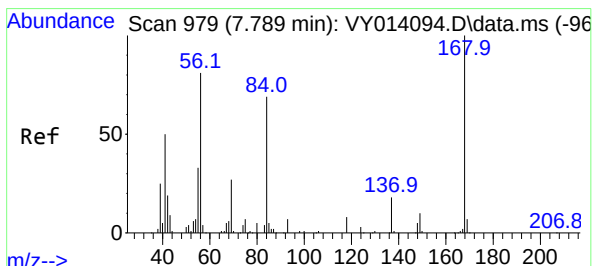
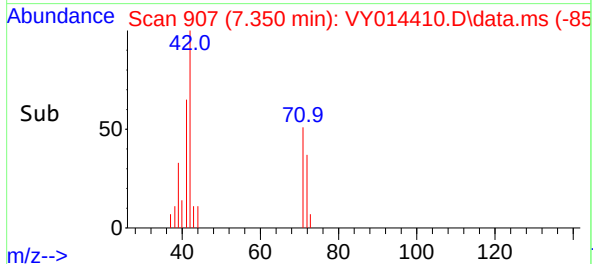
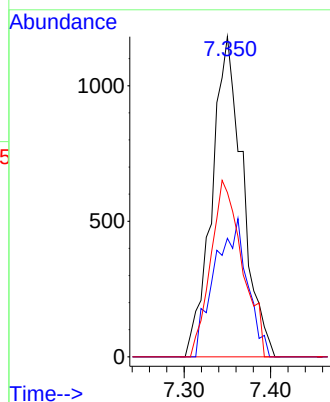
Tgt Ion: 42 Resp: 2919

Ion Ratio Lower Upper

42 100

72 45.9 32.8 49.2

71 56.6 31.0 46.4#



#31

Cyclohexane

Concen: 1.497 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY014410.D

Acq: 23 Jun 2023 16:14

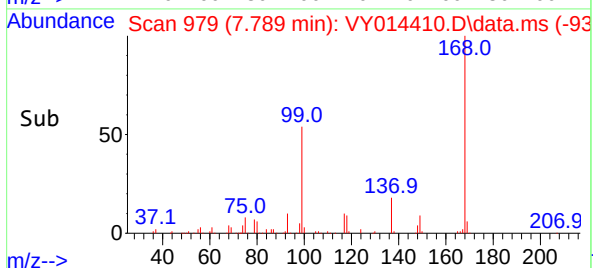
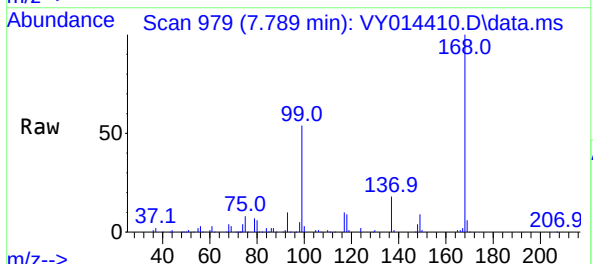
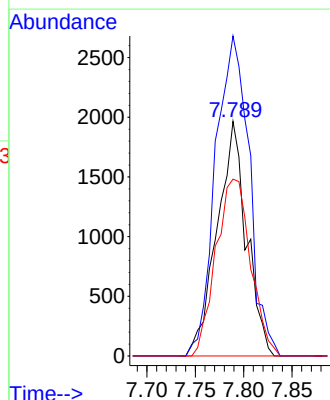
Tgt Ion: 56 Resp: 4161

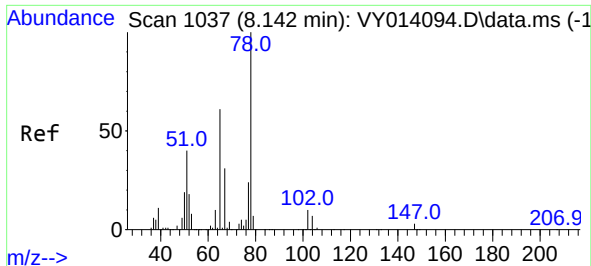
Ion Ratio Lower Upper

56 100

69 136.4 27.8 41.6#

84 75.4 66.4 99.6

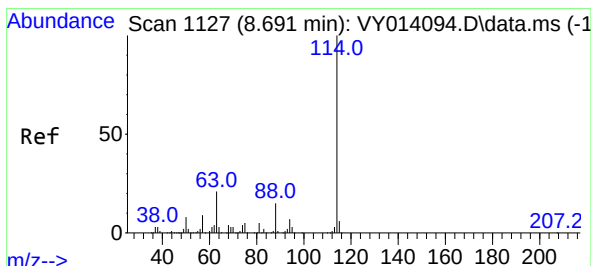
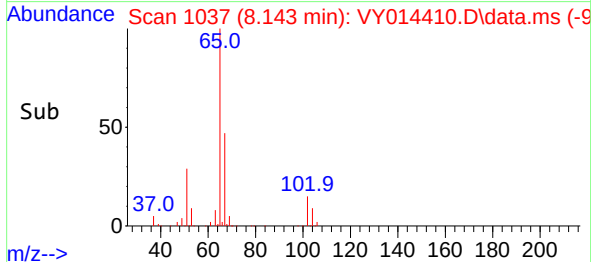
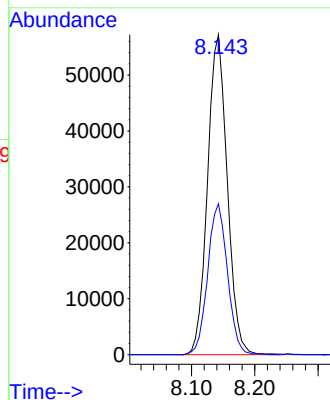
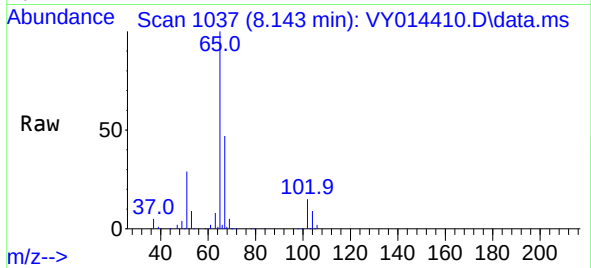




#33
1,2-Dichloroethane-d4
Concen: 55.101 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

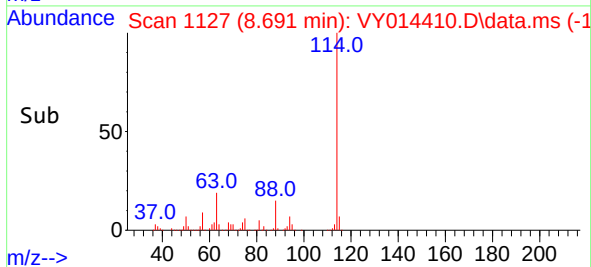
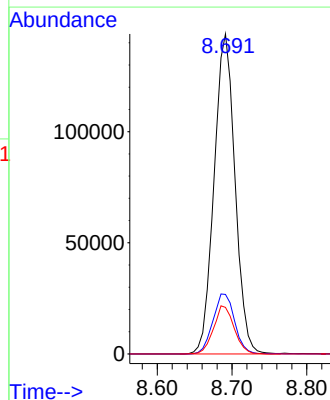
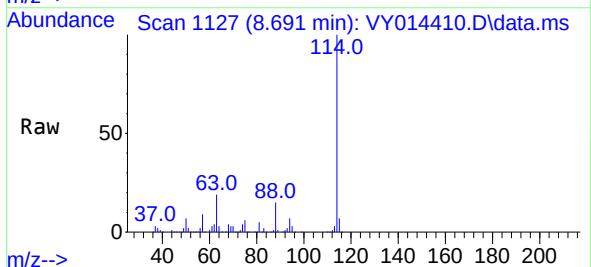
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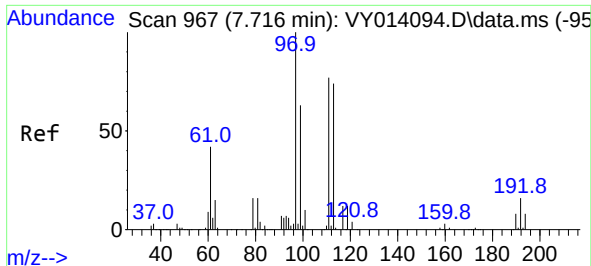
Tgt Ion: 65 Resp: 124016
Ion Ratio Lower Upper
65 100
67 47.3 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

Tgt Ion:114 Resp: 280146
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.4
88 14.6 0.0 30.6

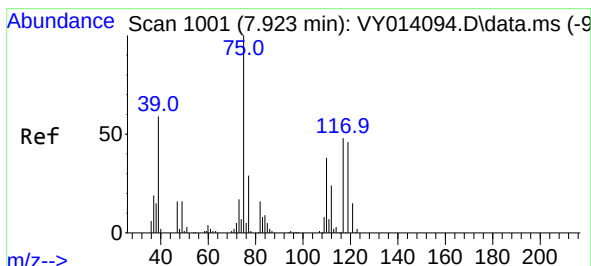
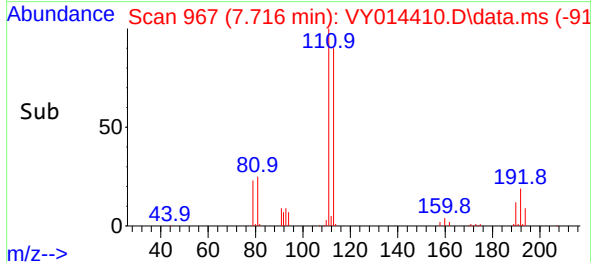
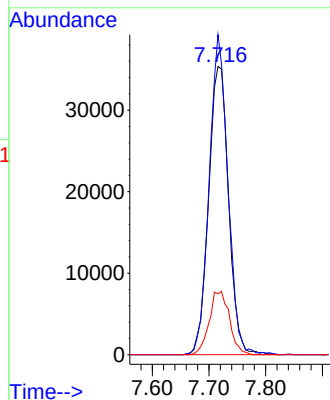
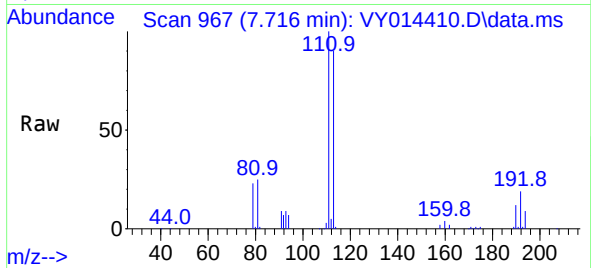




#35
Dibromofluoromethane
Concen: 50.141 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

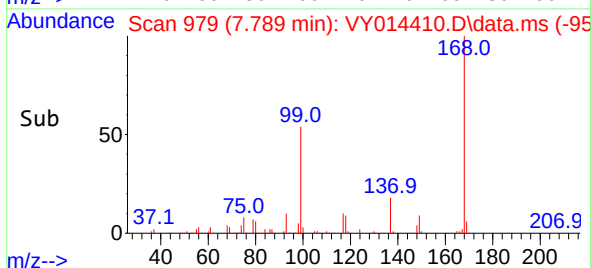
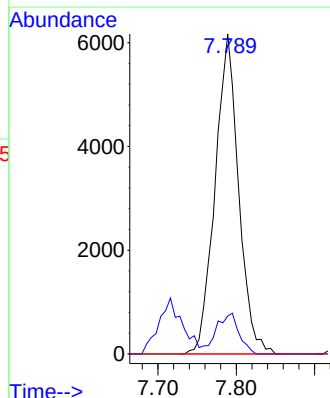
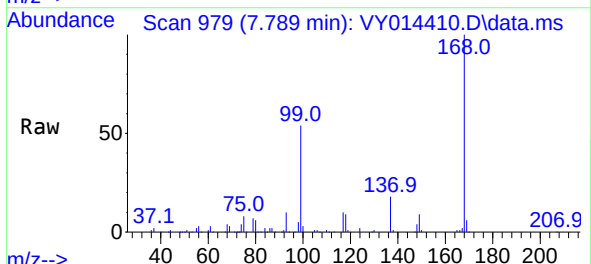
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TOTAL-VOC-SW03-8-15-GRAB-7

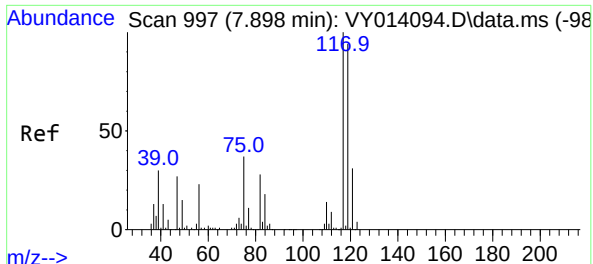
Tgt Ion:113 Resp: 86784
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 22.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.829 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

Tgt Ion: 75 Resp: 12881
Ion Ratio Lower Upper
75 100
110 12.0 17.8 53.5#
77 0.0 24.4 36.6#

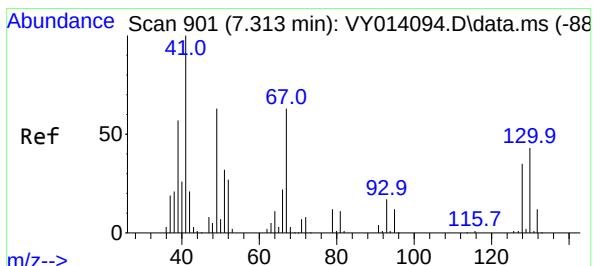
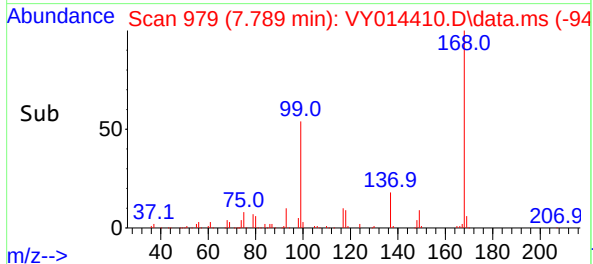
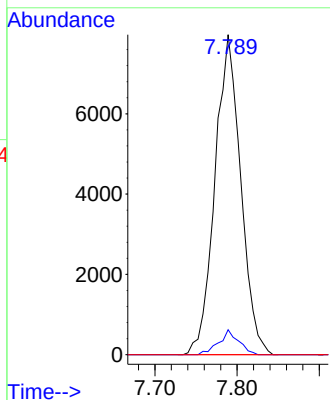
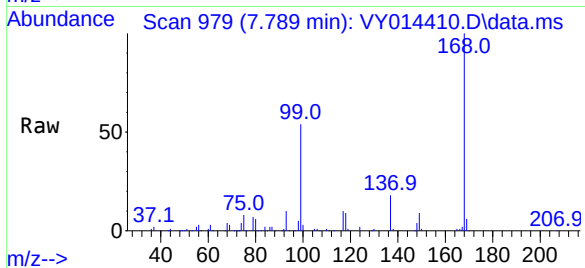




#38
Carbon Tetrachloride
Concen: 5.178 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

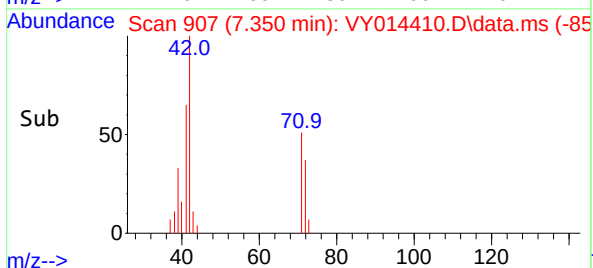
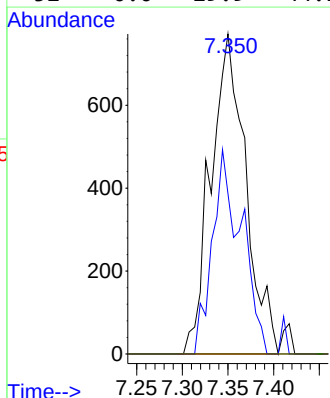
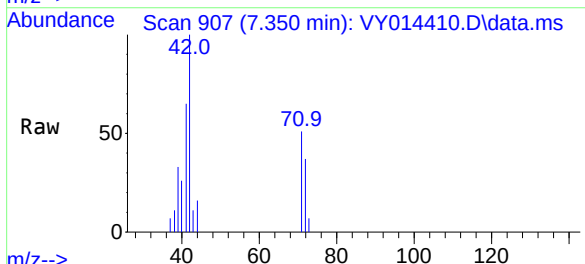
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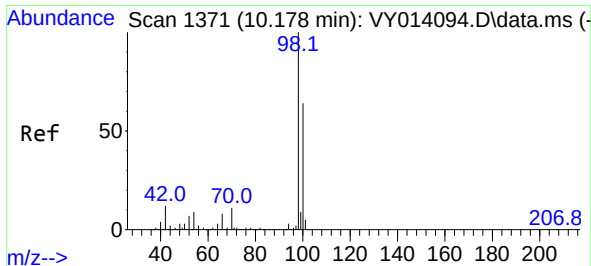
Tgt Ion:117 Resp: 17381
Ion Ratio Lower Upper
117 100
119 7.8 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.253 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

Tgt Ion: 41 Resp: 2052
Ion Ratio Lower Upper
41 100
39 53.3 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

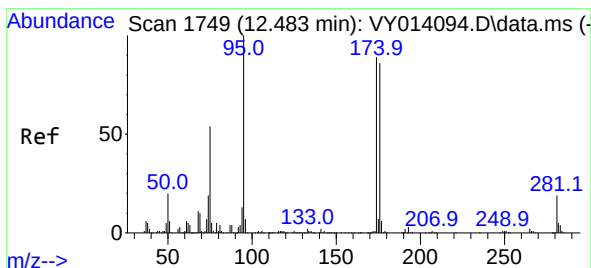
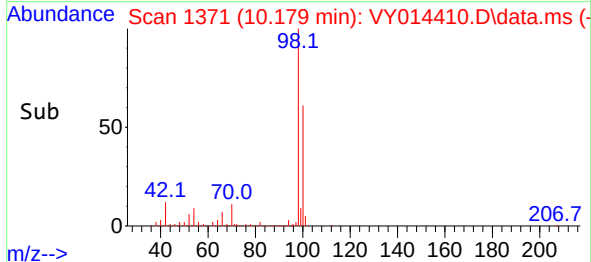
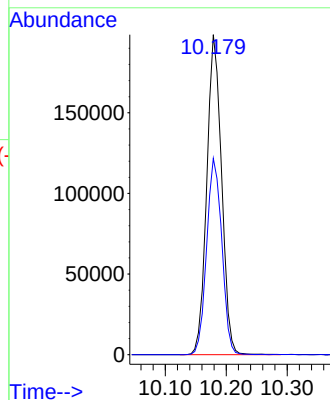
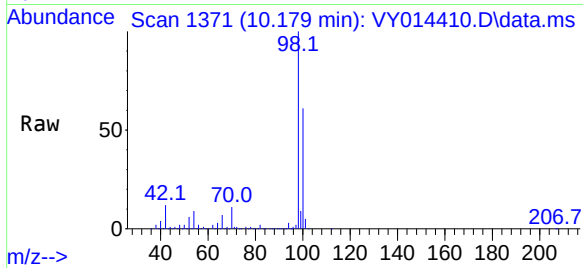




#50
Toluene-d8
Concen: 48.654 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

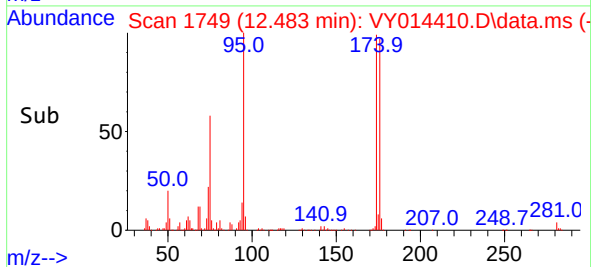
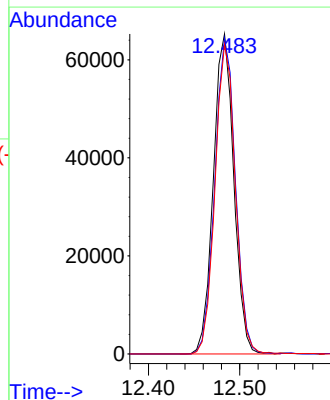
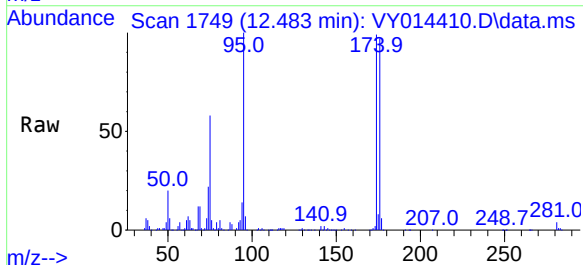
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-7

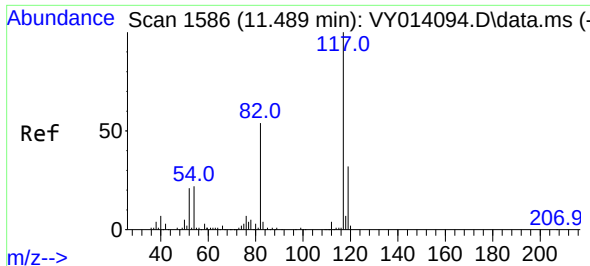
Tgt Ion: 98 Resp: 334748
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 41.302 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

Tgt Ion: 95 Resp: 101449
Ion Ratio Lower Upper
95 100
174 99.6 0.0 178.2
176 96.0 0.0 173.8

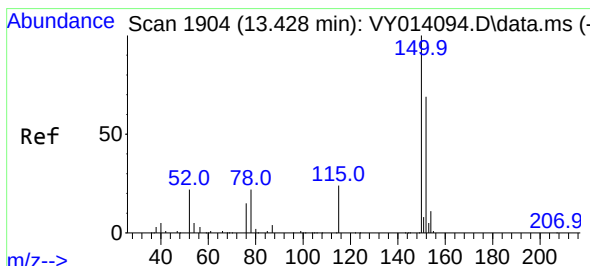
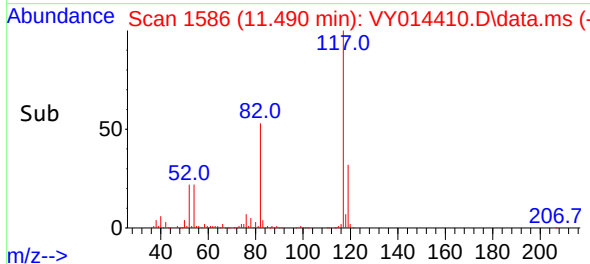
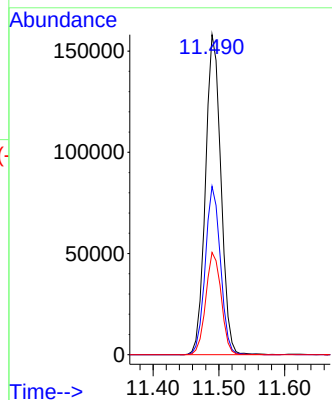
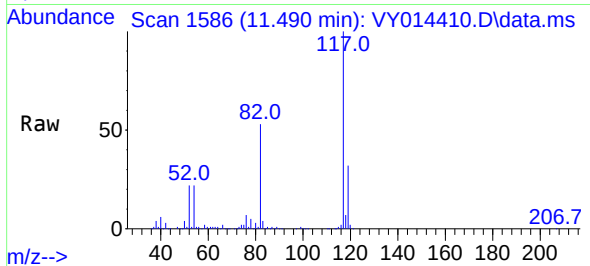




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

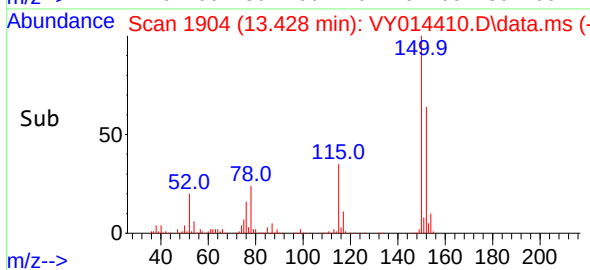
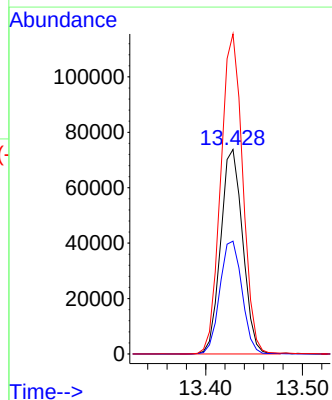
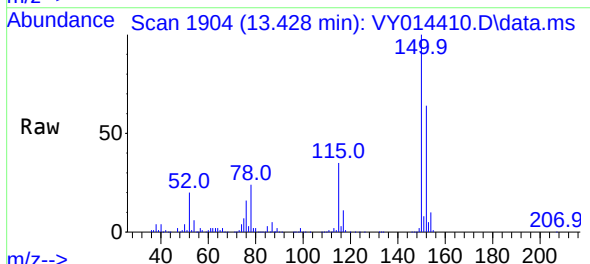
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-7

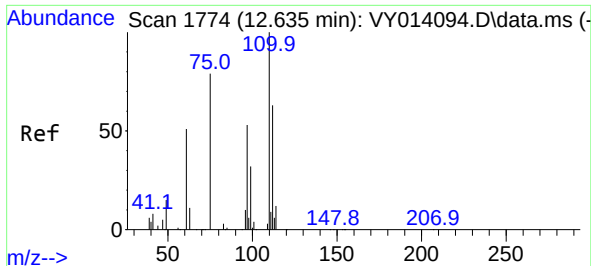
Tgt Ion:117 Resp: 258335
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

Tgt Ion:152 Resp: 116489
Ion Ratio Lower Upper
152 100
115 55.7 28.8 86.5
150 156.7 0.0 348.8

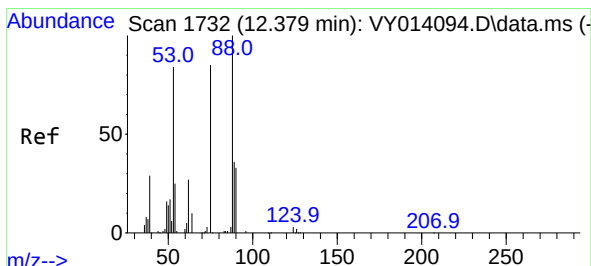
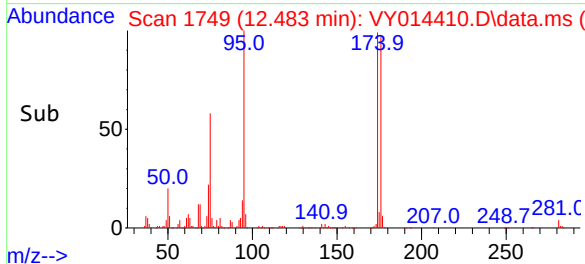
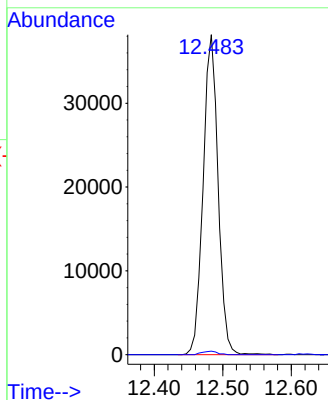
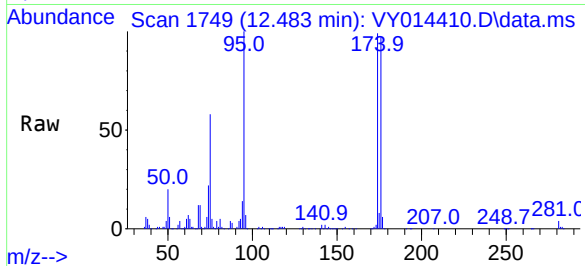




#76
1,2,3-Trichloropropane
Concen: 39.743 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

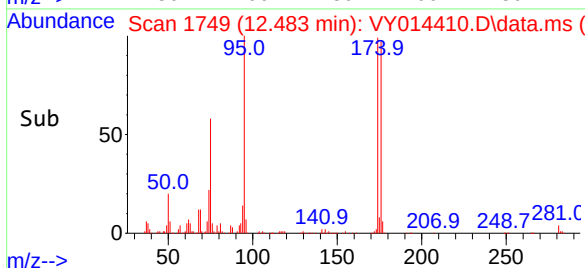
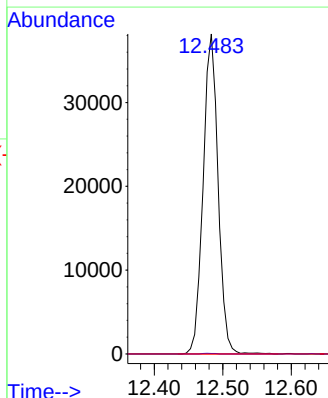
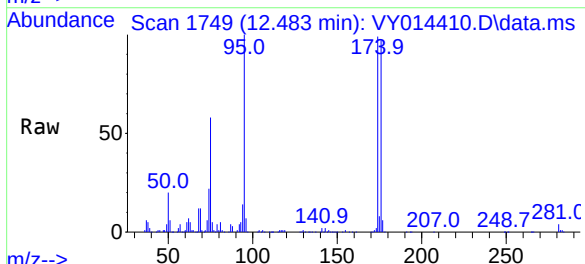
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-8-15-GRAB-7

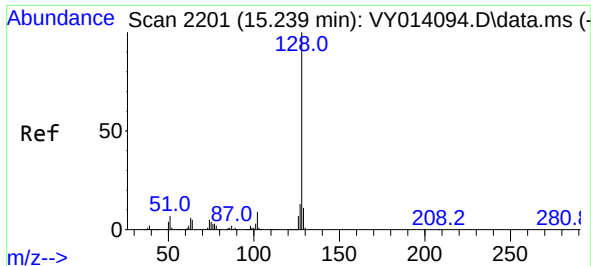
Tgt Ion: 75 Resp: 58075
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.482 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014410.D
Acq: 23 Jun 2023 16:14

Tgt Ion: 75 Resp: 58075
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 1.581 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014410.D

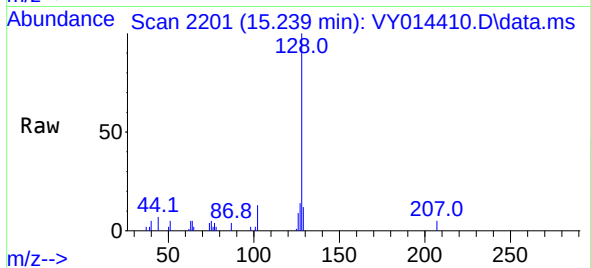
Acq: 23 Jun 2023 16:14

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW03-8-15-GRAB-7



Tgt Ion:128 Resp: 7932

Ion Ratio Lower Upper

128 100

127 14.5 10.8 16.2

129 13.1 8.6 13.0#

