

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014412.D
 Acq On : 23 Jun 2023 17:01
 Operator : KP/MD
 Sample : 03329-23RE
 Misc : 8.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW01-8-15-GRAB-6

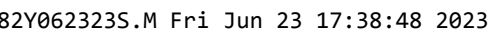
Quant Time: Jun 23 17:38:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	178684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	275155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	255832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124014	55.899	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.800%			
35) Dibromofluoromethane	7.722	113	87055	51.210	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.420%			
50) Toluene-d8	10.185	98	329521	48.763	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.520%			
62) 4-Bromofluorobenzene	12.483	95	101064	41.892	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.780%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	176	2.951	ug/l #	38
11) Tert butyl alcohol	4.960	59	178	Below Cal	#	89
16) Acetone	3.948	43	3735	5.350	ug/l #	81
20) Methylene Chloride	4.710	84	2139	Below Cal	#	71
29) Tetrahydrofuran	7.362	42	3134	6.045	ug/l #	90
31) Cyclohexane	7.783	56	3800	1.387	ug/l #	42
36) 1,1-Dichloropropene	7.783	75	12655	4.831	ug/l #	53
38) Carbon Tetrachloride	7.789	117	17831	5.409	ug/l #	17
41) Methacrylonitrile	7.362	41	1889	2.111	ug/l #	43
76) 1,2,3-Trichloropropane	12.483	75	57302	39.664	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57302	90.301	ug/l #	11
95) Naphthalene	15.239	128	7427	1.498	ug/l	98

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

Quant Time: Jun 23 17:38:44 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

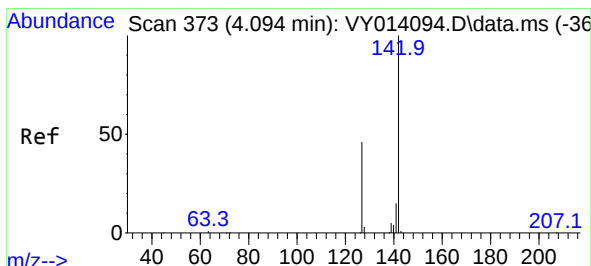
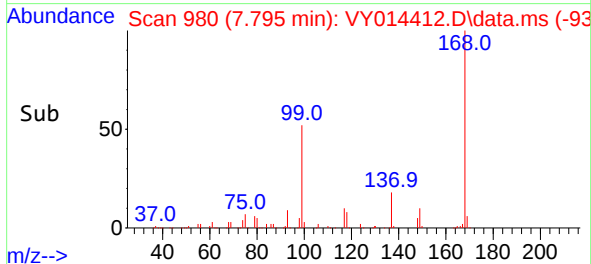
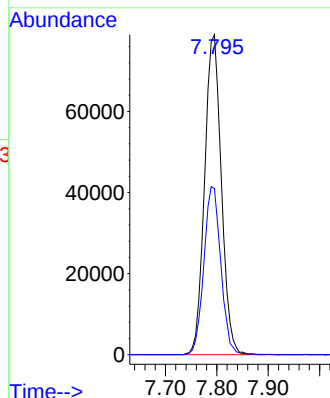
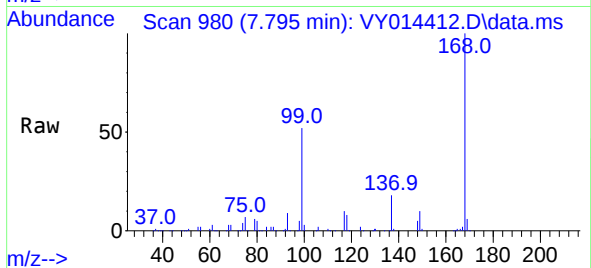




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

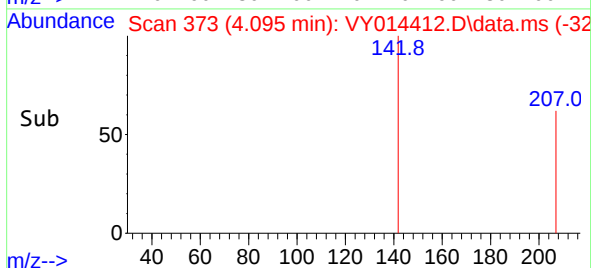
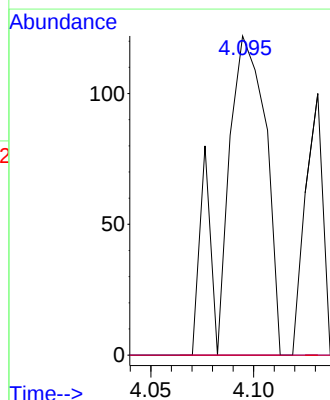
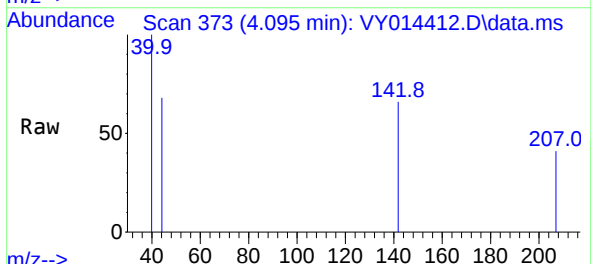
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

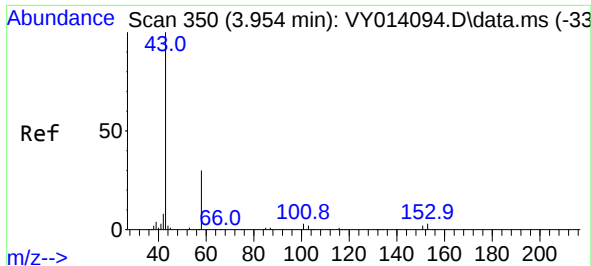
Tgt Ion:168 Resp: 178684
Ion Ratio Lower Upper
168 100
99 51.9 43.4 65.0



#10
Methyl Iodide
Concen: 2.951 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.001 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

Tgt Ion:142 Resp: 176
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

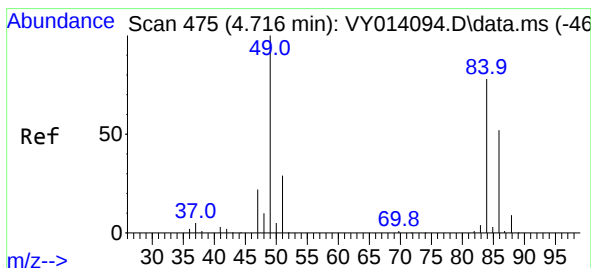
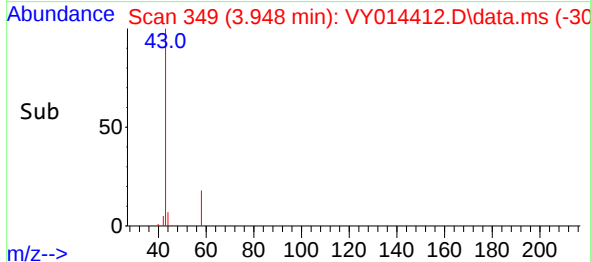
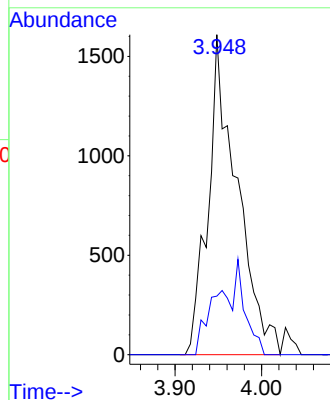
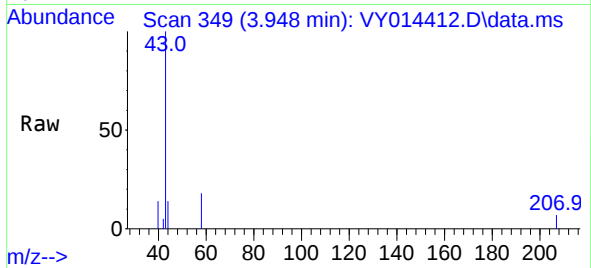




#16
Acetone
Concen: 5.350 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

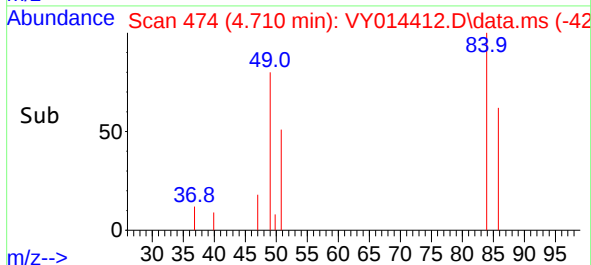
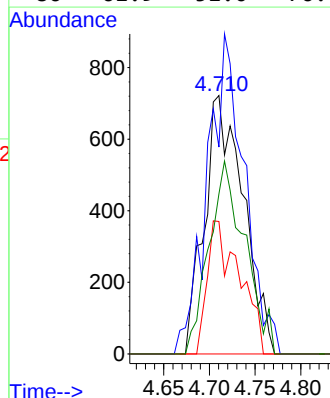
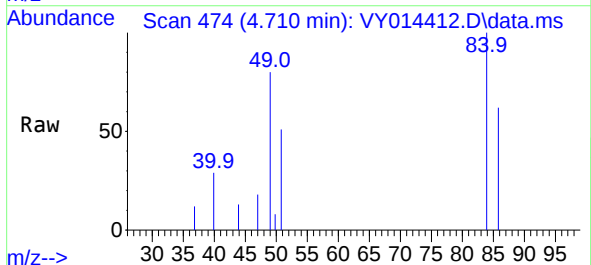
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

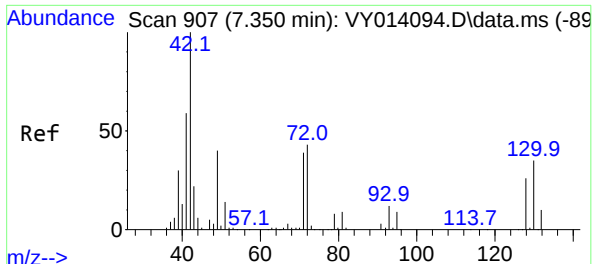
Tgt Ion: 43 Resp: 3735
Ion Ratio Lower Upper
43 100
58 18.3 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

Tgt Ion: 84 Resp: 2139
Ion Ratio Lower Upper
84 100
49 80.1 106.9 160.3#
51 51.2 33.2 49.8#
86 61.9 51.0 76.6





#29

Tetrahydrofuran

Concen: 6.045 ug/l

RT: 7.362 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY014412.D

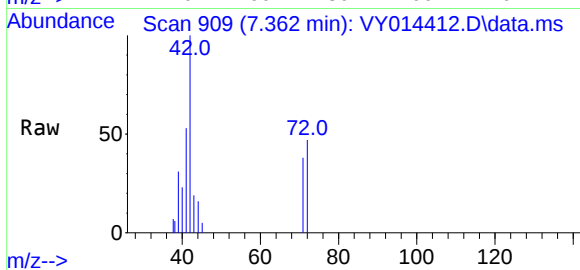
Acq: 23 Jun 2023 17:01

Instrument :

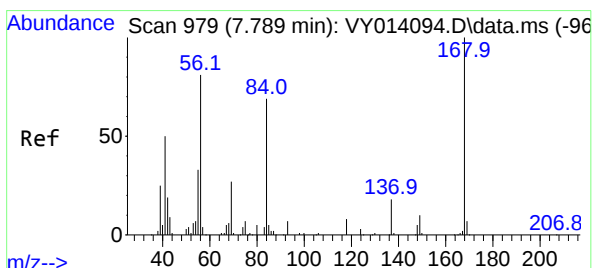
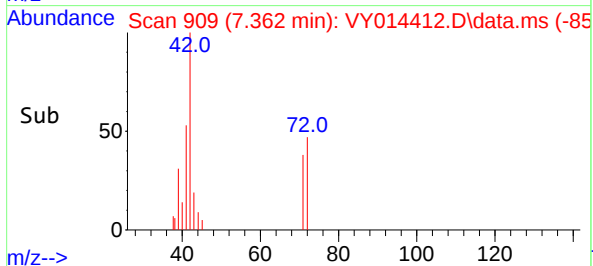
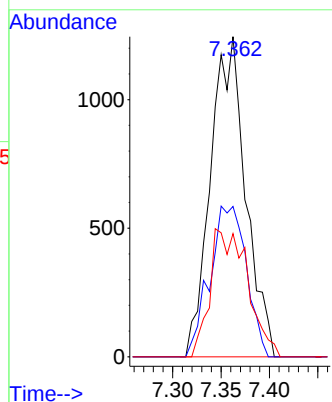
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW01-8-15-GRAB-6



Tgt Ion:	42	Resp:	3134
Ion	Ratio	Lower	Upper
42	100		
72	49.3	32.8	49.2#
71	42.9	31.0	46.4



#31

Cyclohexane

Concen: 1.387 ug/l

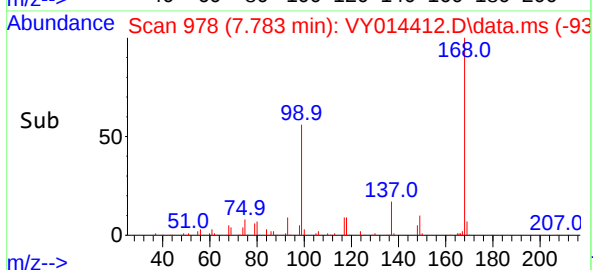
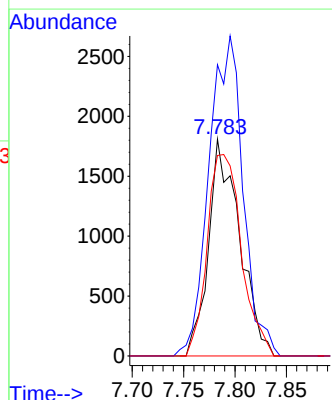
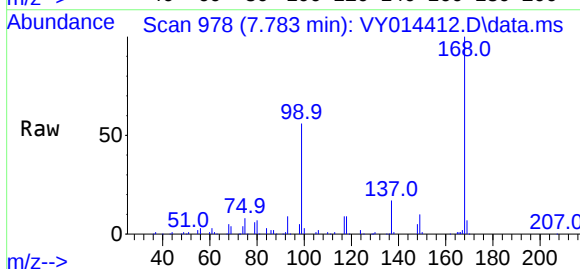
RT: 7.783 min Scan# 978

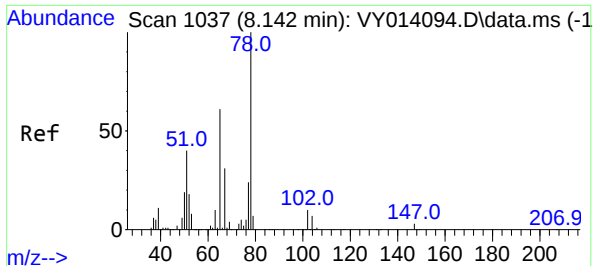
Delta R.T. -0.006 min

Lab File: VY014412.D

Acq: 23 Jun 2023 17:01

Tgt Ion:	56	Resp:	3800
Ion	Ratio	Lower	Upper
56	100		
69	134.3	27.8	41.6#
84	92.4	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 55.899 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014412.D

Acq: 23 Jun 2023 17:01

Instrument :

MSVOA_Y

ClientSampleId :

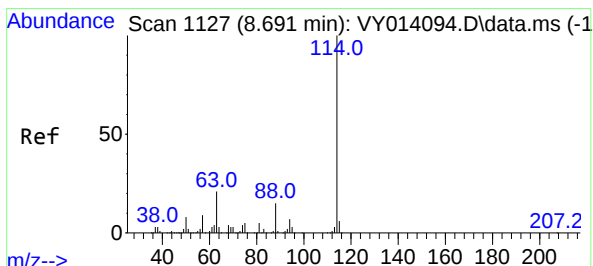
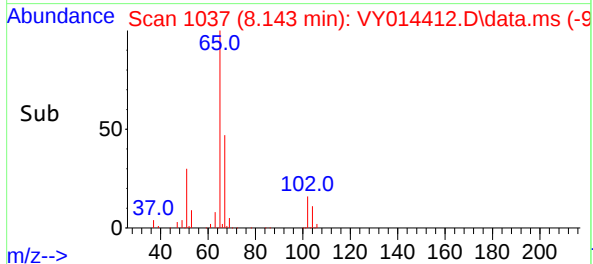
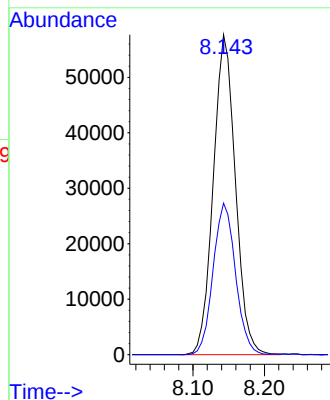
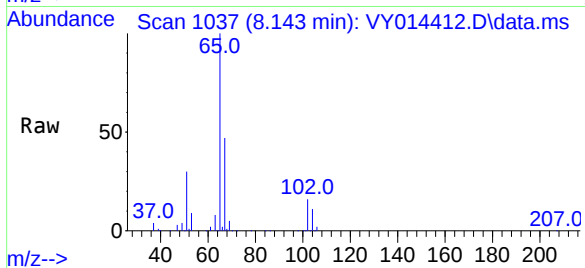
TOTAL-VOC-SW01-8-15-GRAB-6

Tgt Ion: 65 Resp: 124014

Ion Ratio Lower Upper

65 100

67 48.1 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: VY014412.D

Acq: 23 Jun 2023 17:01

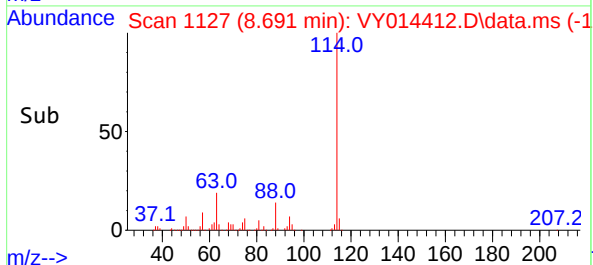
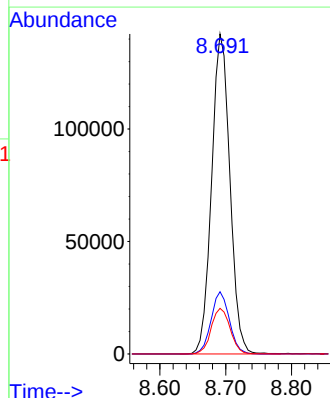
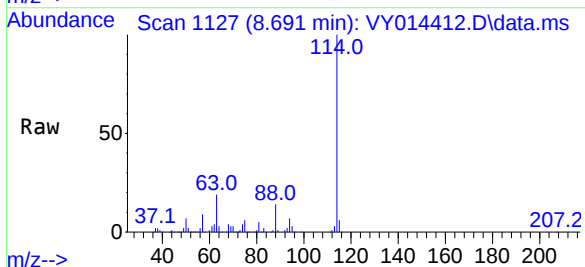
Tgt Ion: 114 Resp: 275155

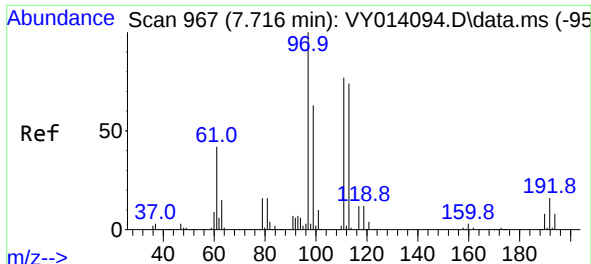
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 14.3 0.0 30.6

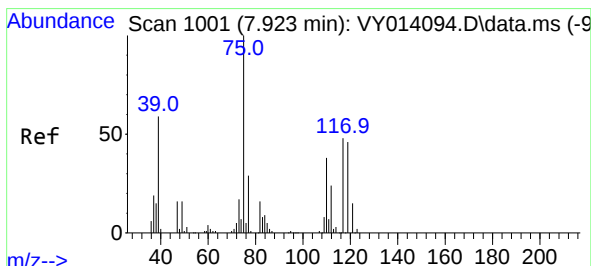
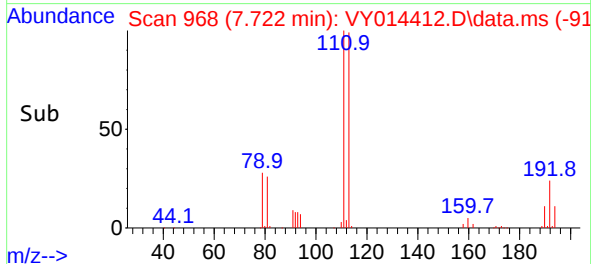
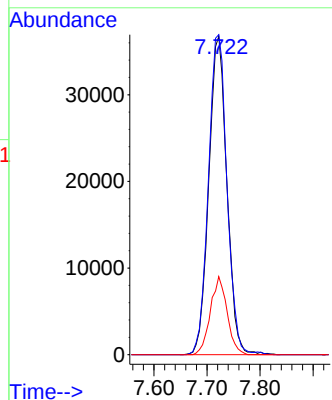
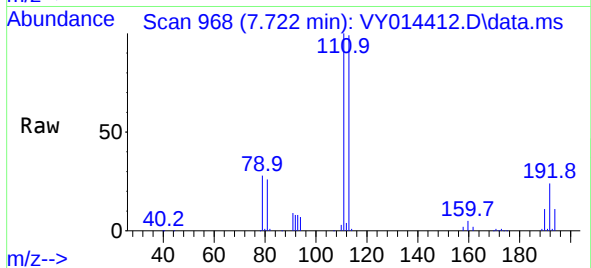




#35
Dibromofluoromethane
Concen: 51.210 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

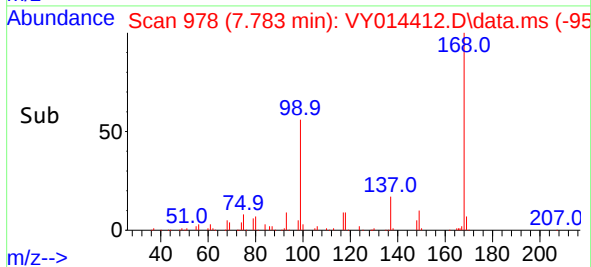
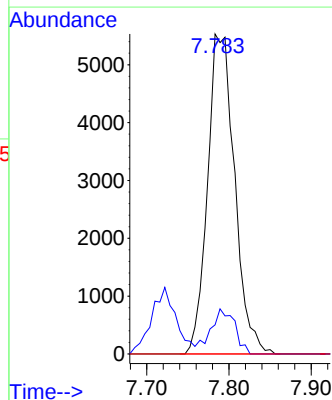
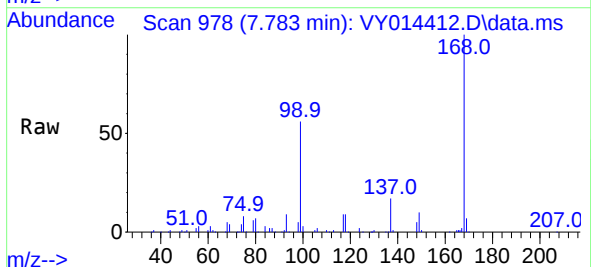
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

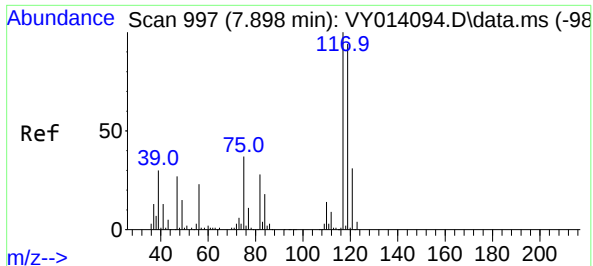
Tgt Ion:113 Resp: 87055
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 22.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.831 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

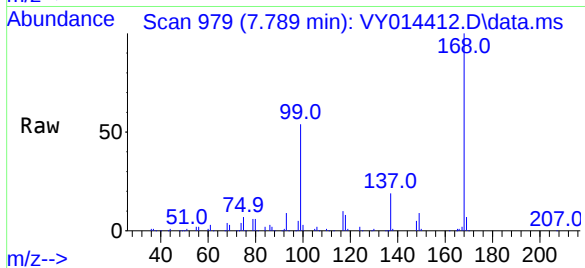
Tgt Ion: 75 Resp: 12655
Ion Ratio Lower Upper
75 100
110 12.5 17.8 53.5#
77 0.0 24.4 36.6#



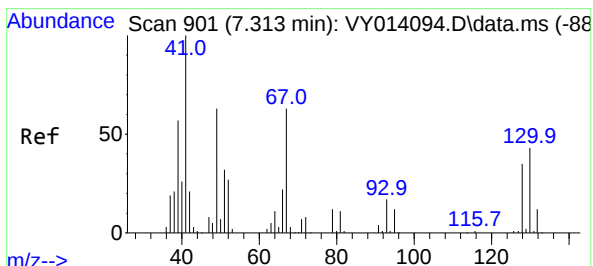
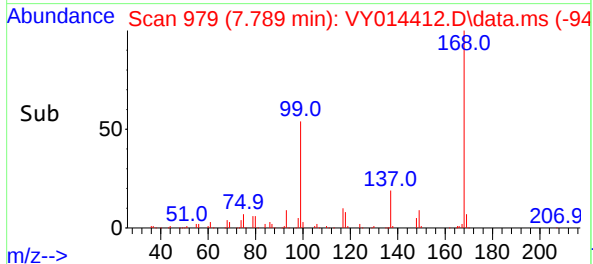
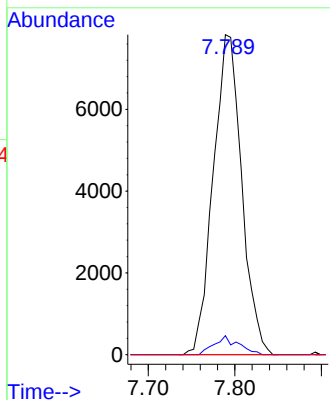


#38
Carbon Tetrachloride
Concen: 5.409 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

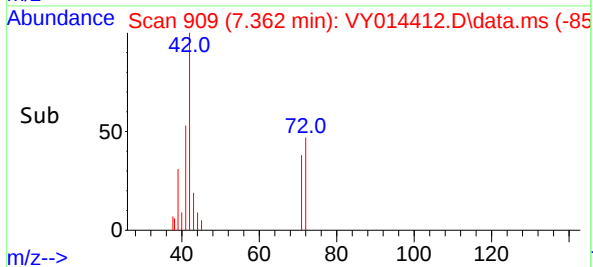
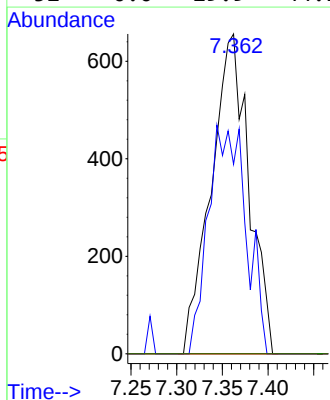
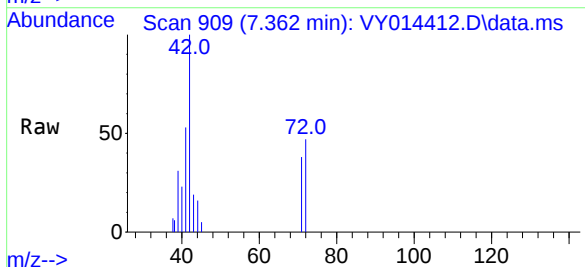


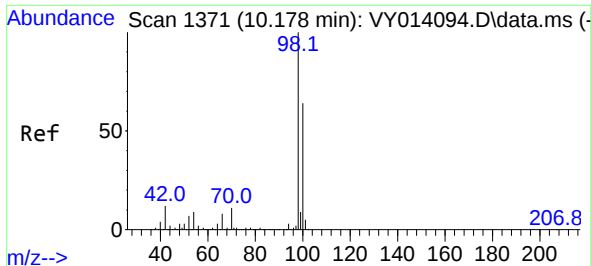
Tgt Ion:117 Resp: 17831
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.111 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.049 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

Tgt Ion: 41 Resp: 1889
Ion Ratio Lower Upper
41 100
39 71.5 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

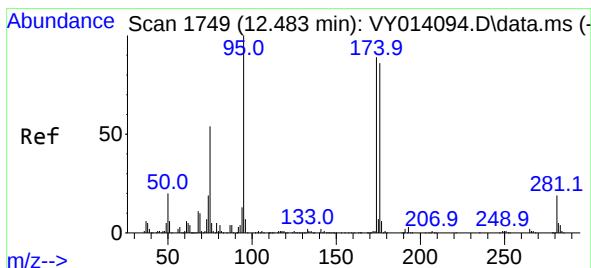
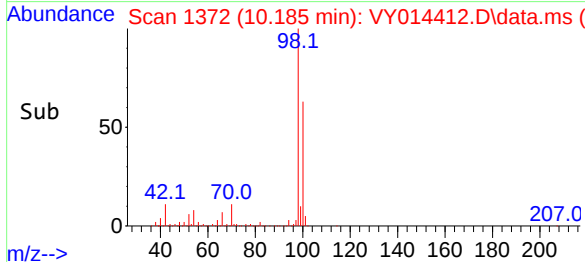
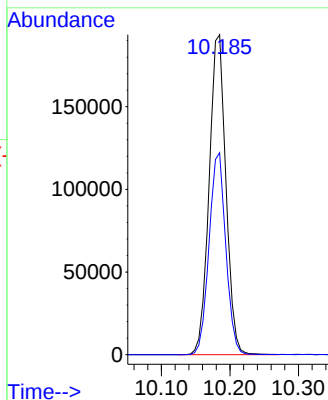
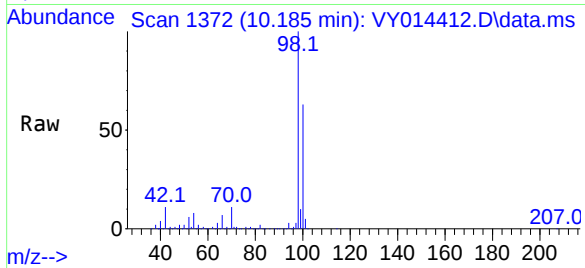




#50
Toluene-d8
Concen: 48.763 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

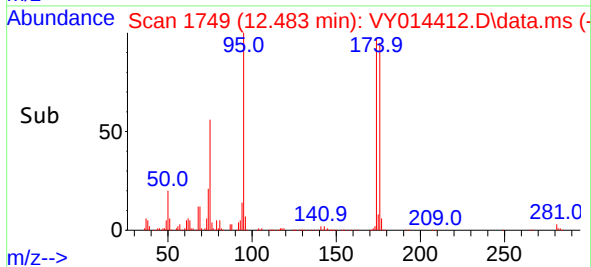
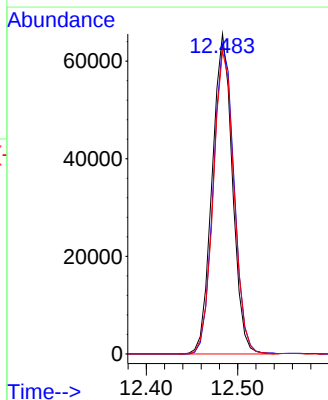
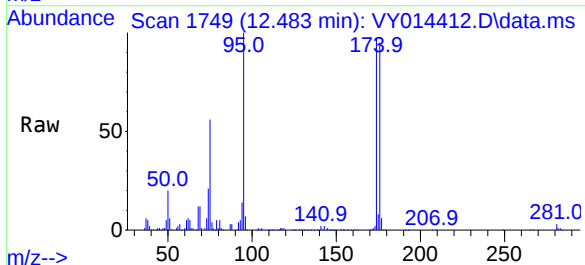
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

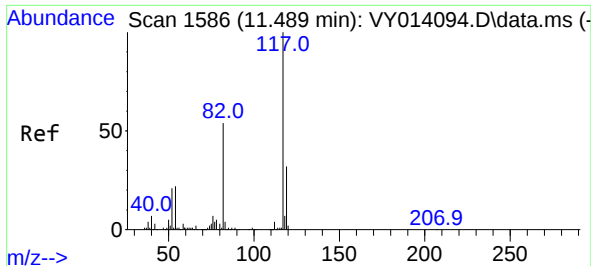
Tgt Ion: 98 Resp: 329521
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 41.892 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

Tgt Ion: 95 Resp: 101064
Ion Ratio Lower Upper
95 100
174 98.8 0.0 178.2
176 96.6 0.0 173.8

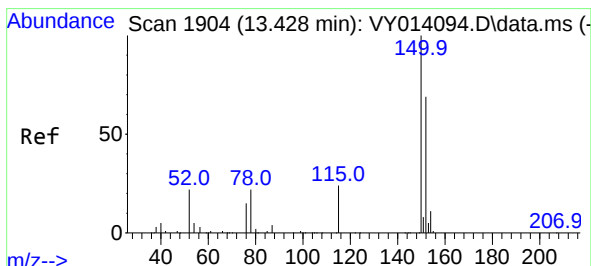
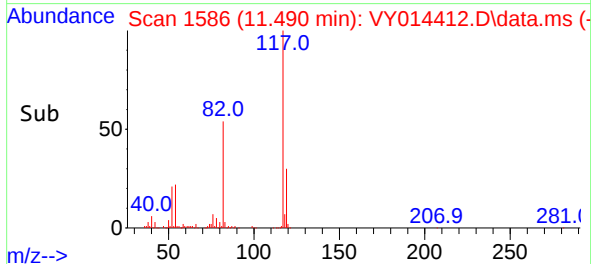
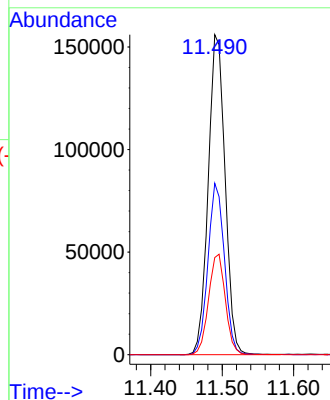
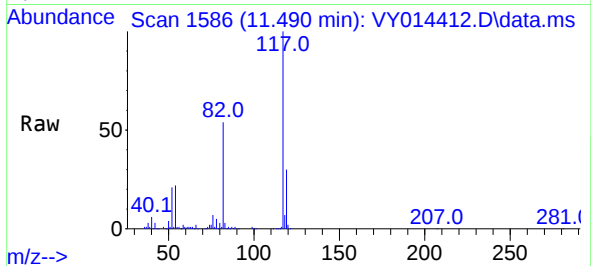




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

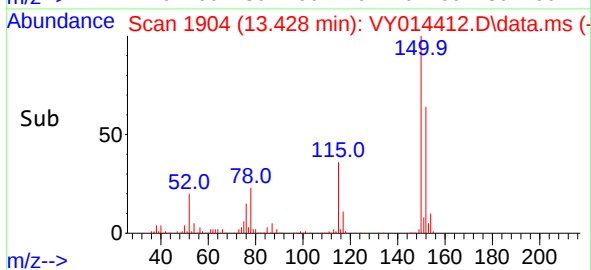
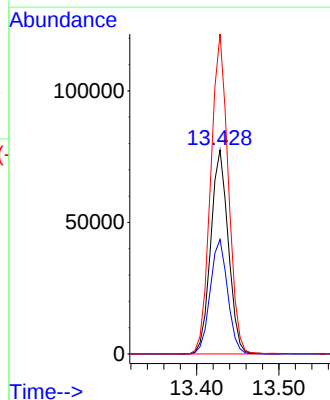
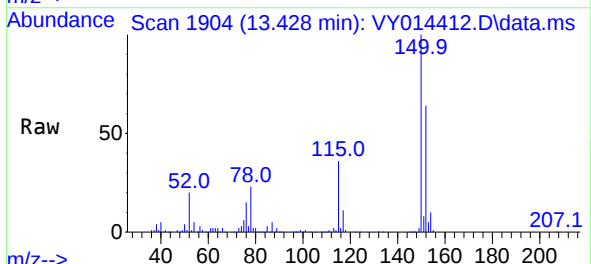
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

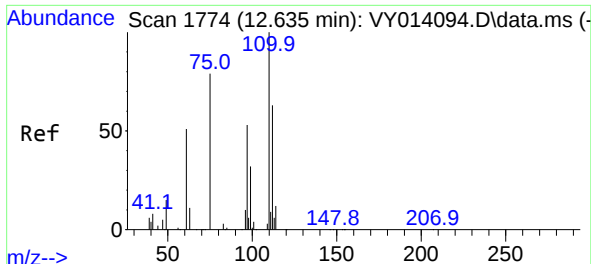
Tgt Ion:117 Resp: 255832
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 30.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

Tgt Ion:152 Resp: 115169
Ion Ratio Lower Upper
152 100
115 55.8 28.8 86.5
150 157.0 0.0 348.8

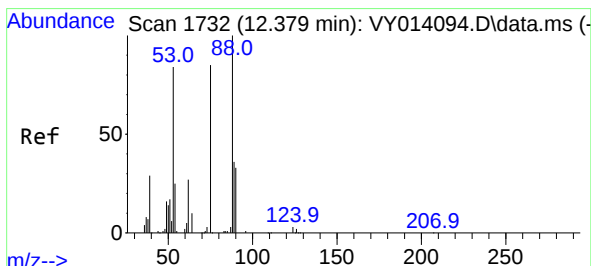
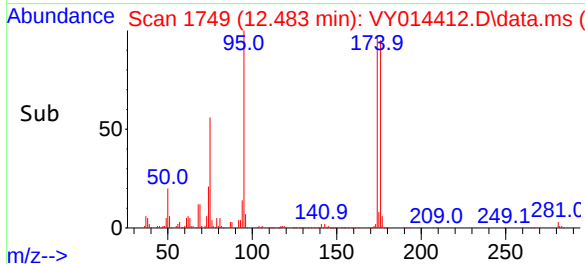
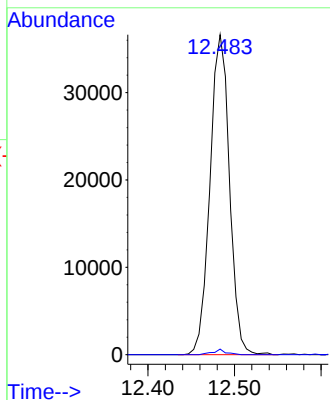
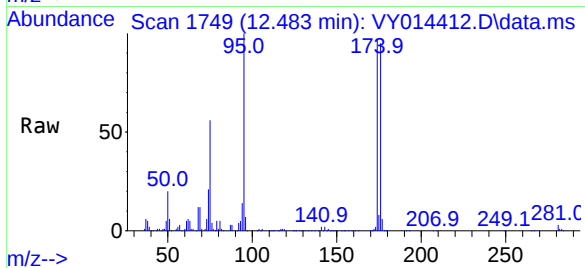




#76
1,2,3-Trichloropropane
Concen: 39.664 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

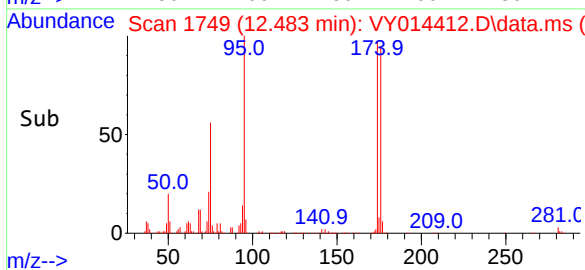
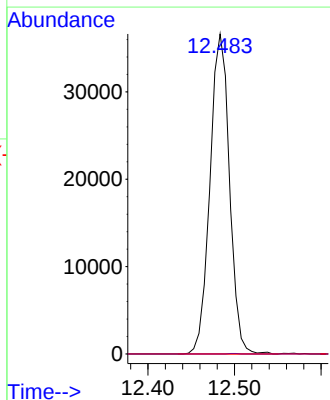
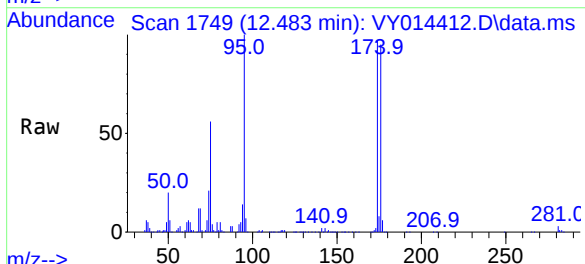
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-8-15-GRAB-6

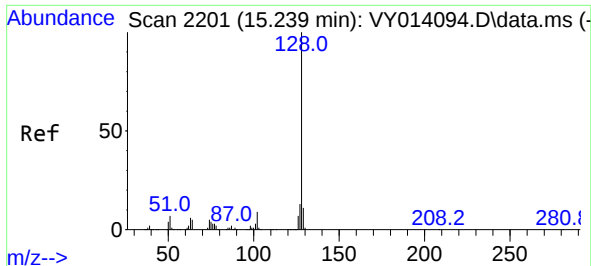
Tgt Ion: 75 Resp: 57302
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.301 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014412.D
Acq: 23 Jun 2023 17:01

Tgt Ion: 75 Resp: 57302
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 1.498 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014412.D

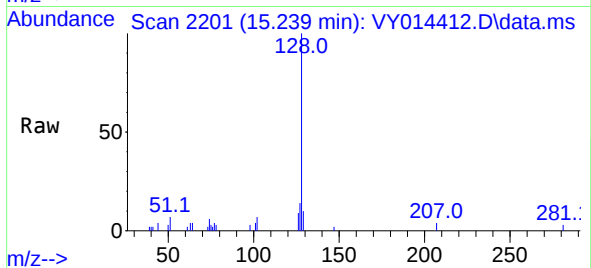
Acq: 23 Jun 2023 17:01

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW01-8-15-GRAB-6



Tgt Ion:	128	Resp:	7427
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.8	16.2
129	10.5	8.6	13.0

