

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014390.D
 Acq On : 22 Jun 2023 19:33
 Operator : KP/MD
 Sample : 03330-12RE
 Misc : 4.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-MC01-GRAB-7RE

Quant Time: Jun 23 05:01:27 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)

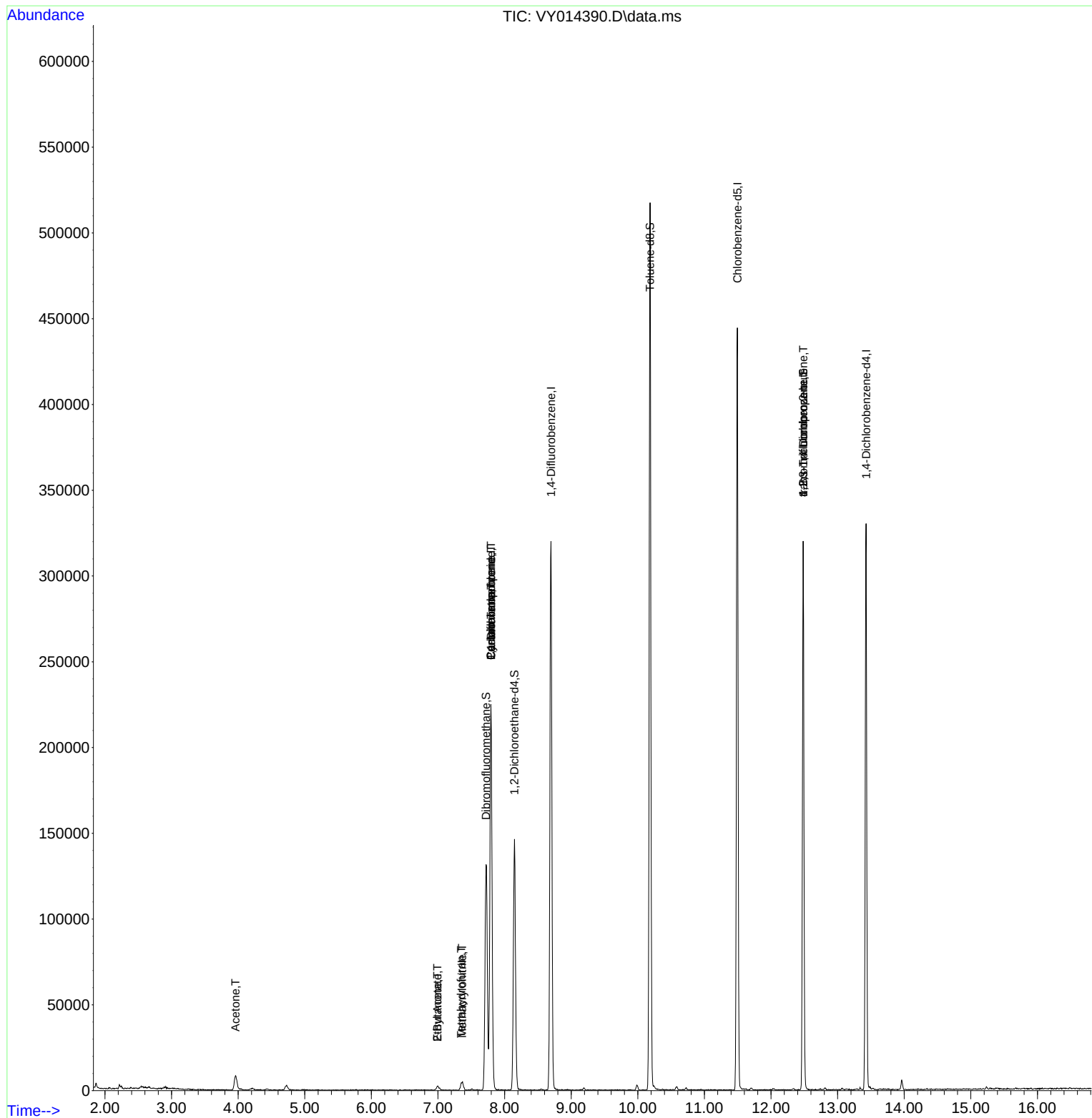
Internal Standards						
1) Pentafluorobenzene	7.795	168	176590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	278077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	241683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	86490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	123705	50.306	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.620%	
35) Dibromofluoromethane	7.722	113	91453	46.374	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.740%	
50) Toluene-d8	10.185	98	331093	44.908	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 89.820%	
62) 4-Bromofluorobenzene	12.483	95	87685	33.480	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 66.960%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	244	Below Cal	#	89
16) Acetone	3.960	43	15374	20.741	ug/l	91
20) Methylene Chloride	4.728	84	1822	Below Cal	#	83
25) 2-Butanone	6.990	43	2780	3.047	ug/l	91
29) Tetrahydrofuran	7.350	42	1944	3.360	ug/l	# 11
31) Cyclohexane	7.795	56	4061	1.233	ug/l	# 9
36) 1,1-Dichloropropene	7.795	75	13403	4.359	ug/l	# 50
37) Ethyl Acetate	6.990	43	2780	1.310	ug/l	# 71
38) Carbon Tetrachloride	7.795	117	17549	4.946	ug/l	# 16
41) Methacrylonitrile	7.362	41	2380	2.198	ug/l	# 42
76) 1,2,3-Trichloropropane	12.483	75	49885	43.962	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	49885	95.029	ug/l	# 11

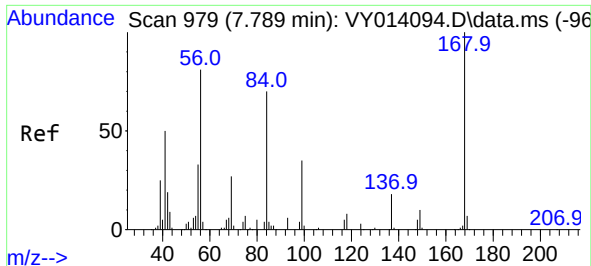
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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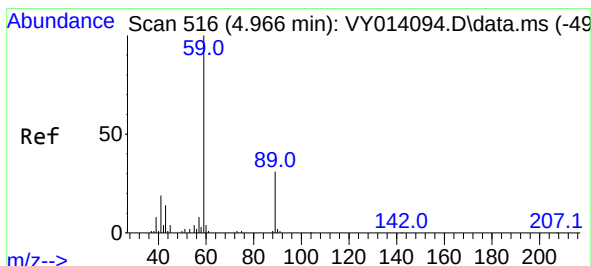
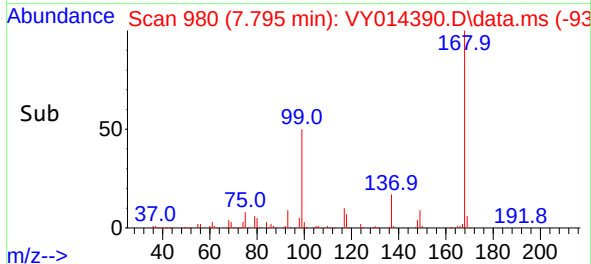
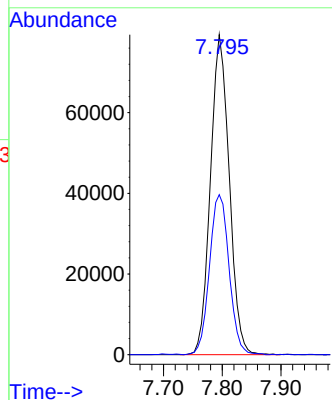
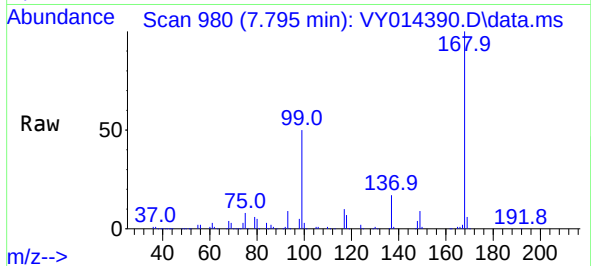




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

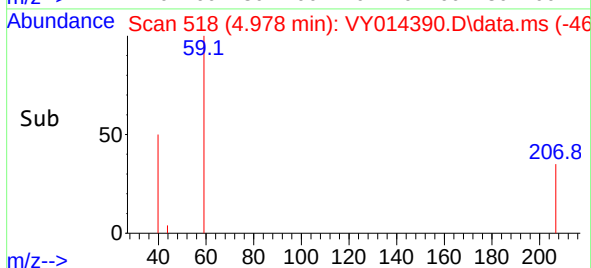
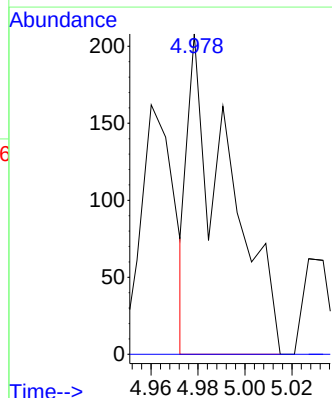
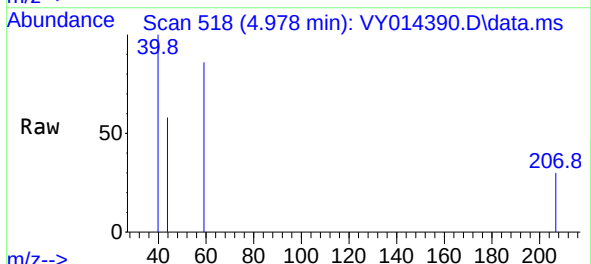
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7RE

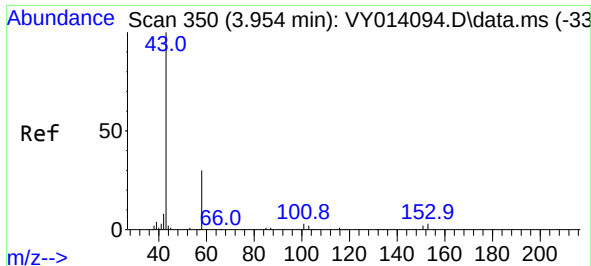
Tgt Ion:168 Resp: 176590
Ion Ratio Lower Upper
168 100
99 49.9 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

Tgt Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

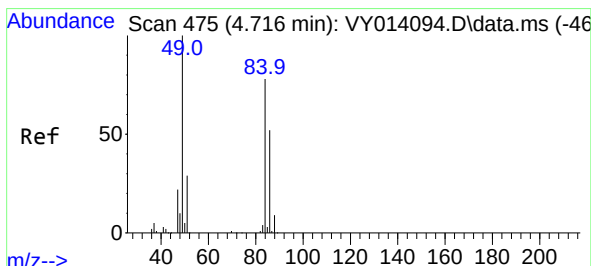
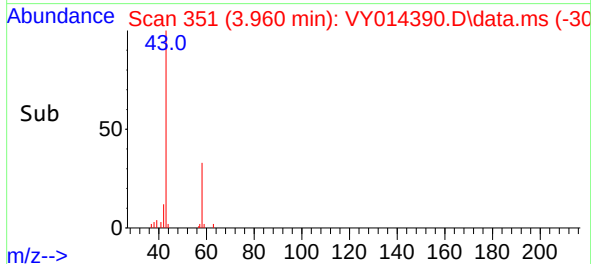
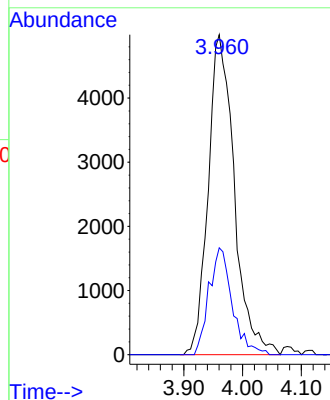
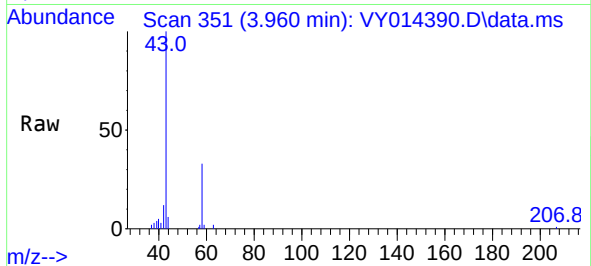




#16
Acetone
Concen: 20.741 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

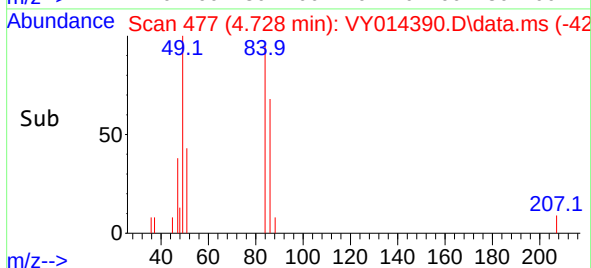
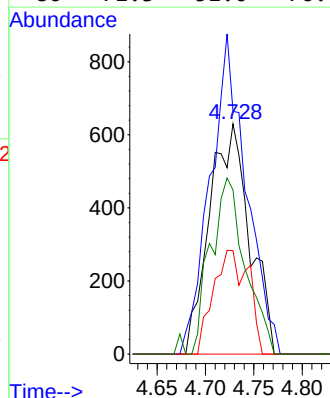
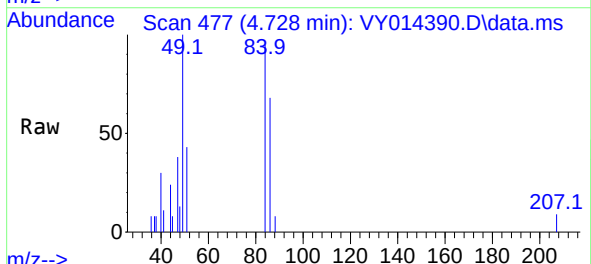
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7RE

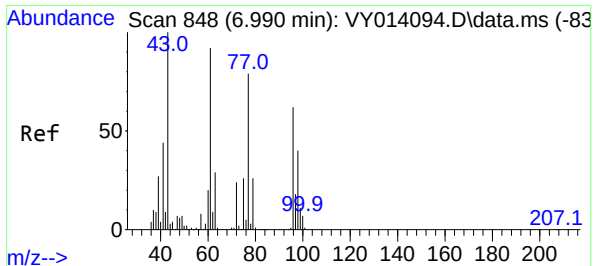
Tgt Ion: 43 Resp: 15374
Ion Ratio Lower Upper
43 100
58 33.4 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

Tgt Ion: 84 Resp: 1822
Ion Ratio Lower Upper
84 100
49 105.4 106.9 160.3#
51 44.9 33.2 49.8
86 71.3 51.0 76.6





#25

2-Butanone

Concen: 3.047 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY014390.D

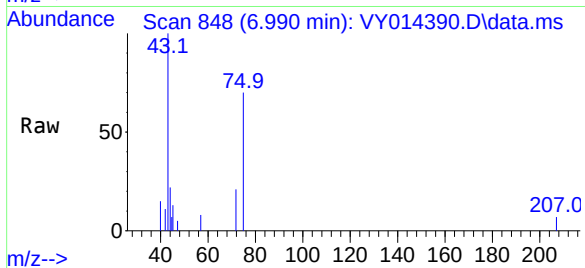
Acq: 22 Jun 2023 19:33

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-MC01-GRAB-7RE

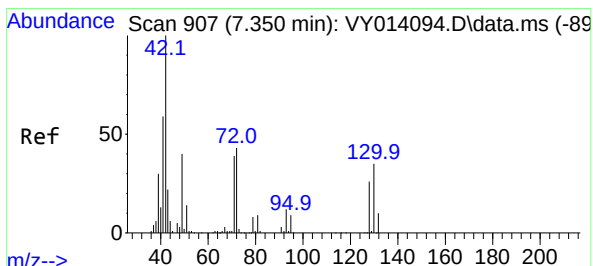
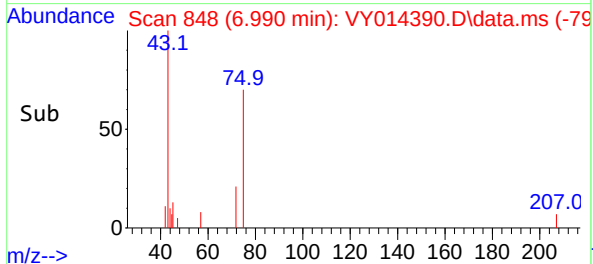
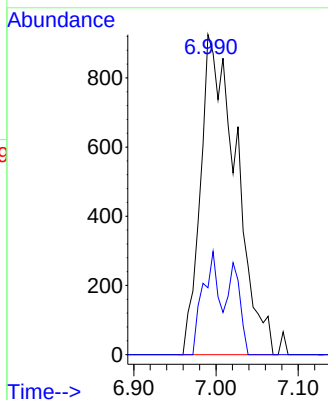


Tgt Ion: 43 Resp: 2780

Ion Ratio Lower Upper

43 100

72 20.9 20.5 30.7



#29

Tetrahydrofuran

Concen: 3.360 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY014390.D

Acq: 22 Jun 2023 19:33

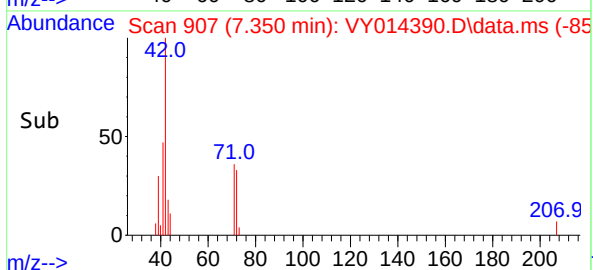
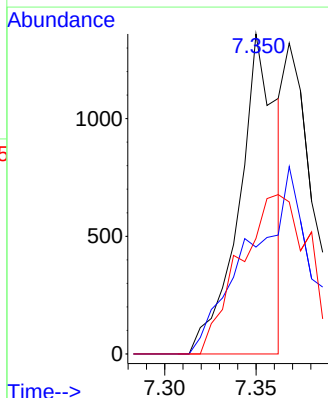
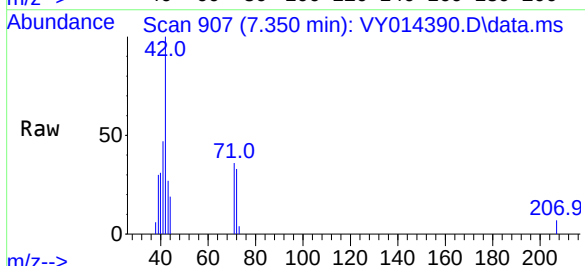
Tgt Ion: 42 Resp: 1944

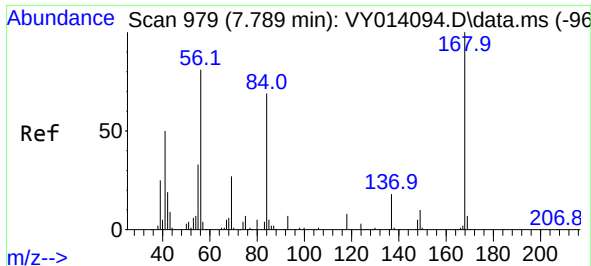
Ion Ratio Lower Upper

42 100

72 95.1 32.8 49.2#

71 94.4 31.0 46.4#

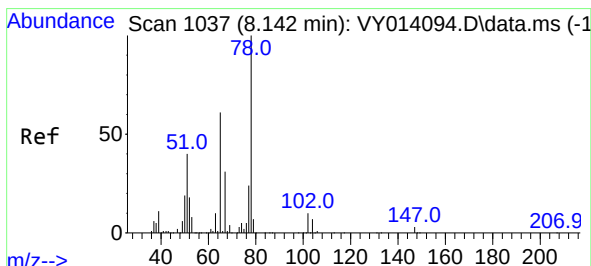
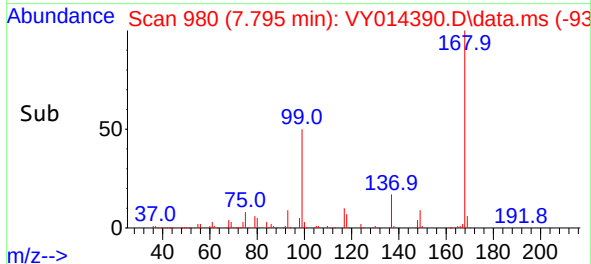
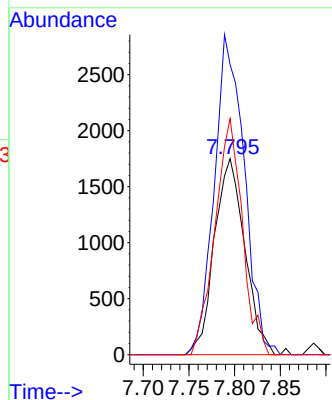
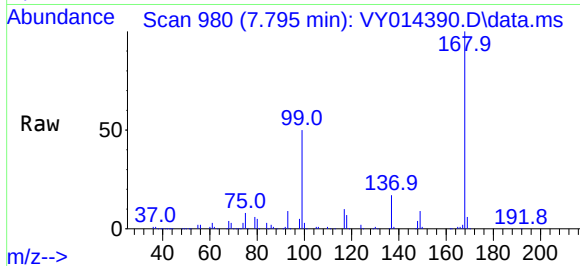




#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

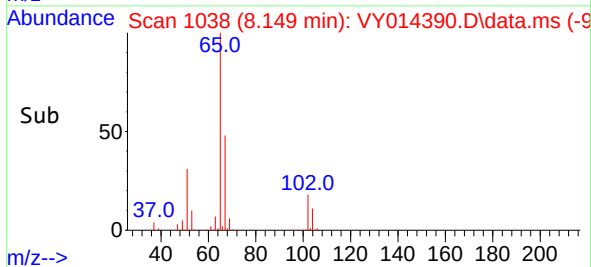
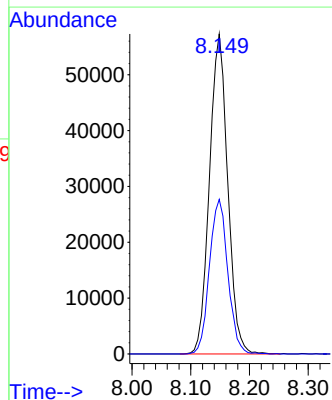
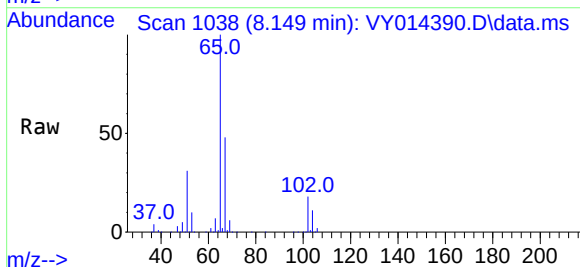
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7RE

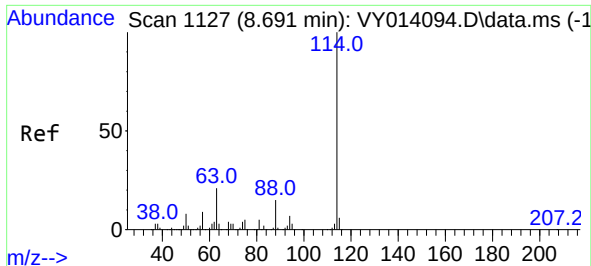
Tgt Ion: 56 Resp: 4061
Ion Ratio Lower Upper
56 100
69 147.9 27.8 41.6#
84 125.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.306 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

Tgt Ion: 65 Resp: 123705
Ion Ratio Lower Upper
65 100
67 48.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014390.D

Acq: 22 Jun 2023 19:33

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-MC01-GRAB-7RE

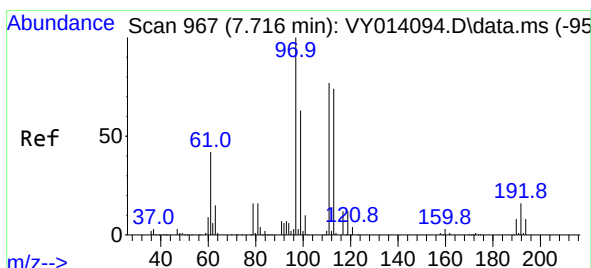
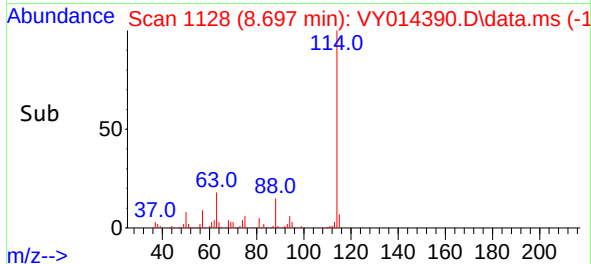
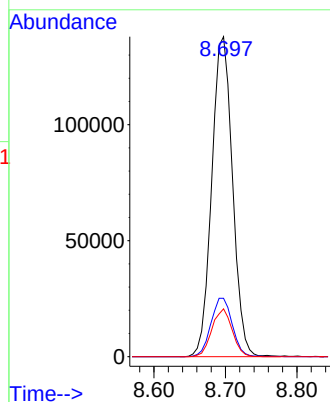
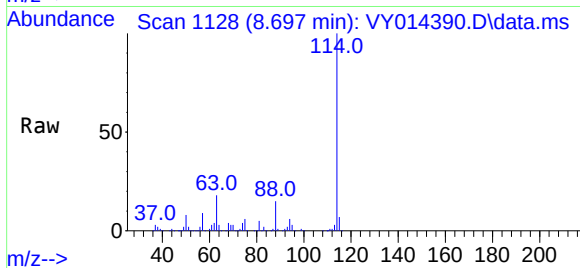
Tgt Ion:114 Resp: 278077

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.374 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014390.D

Acq: 22 Jun 2023 19:33

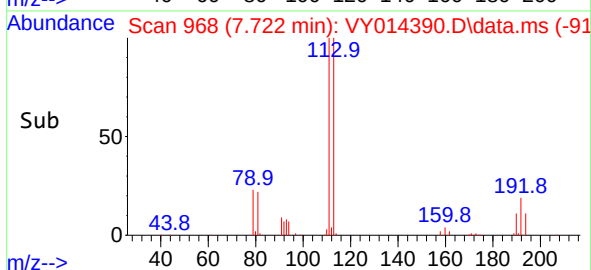
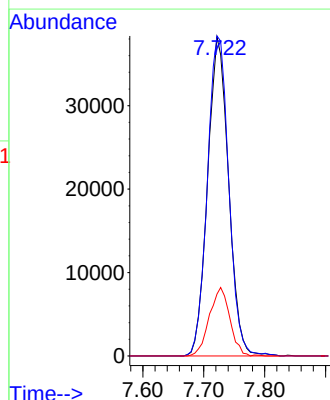
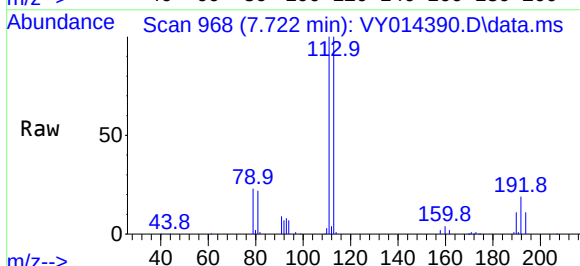
Tgt Ion:113 Resp: 91453

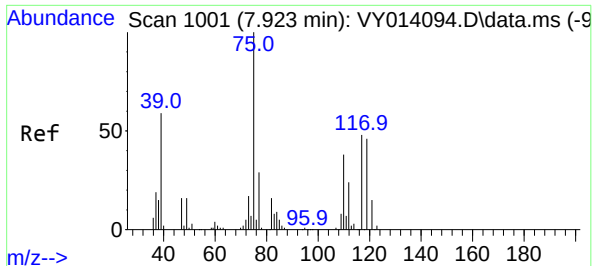
Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

192 21.0 16.9 25.3

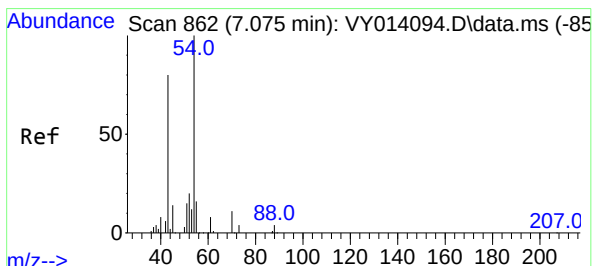
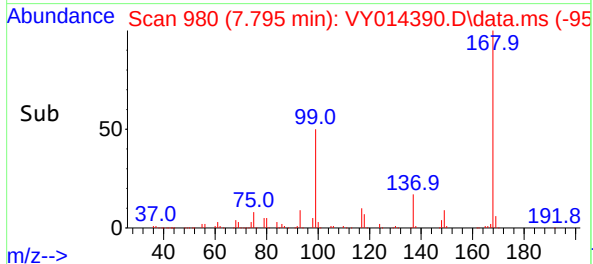
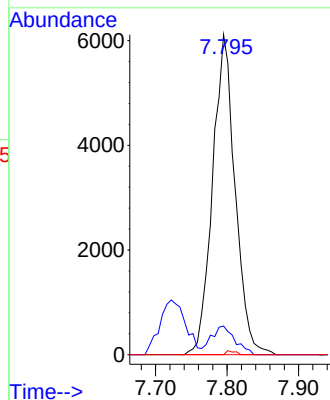
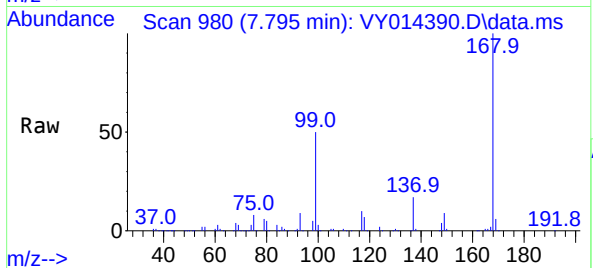




#36
1,1-Dichloropropene
Concen: 4.359 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

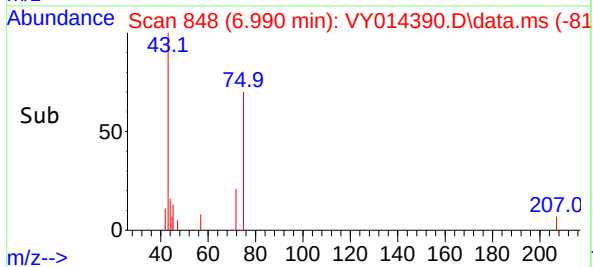
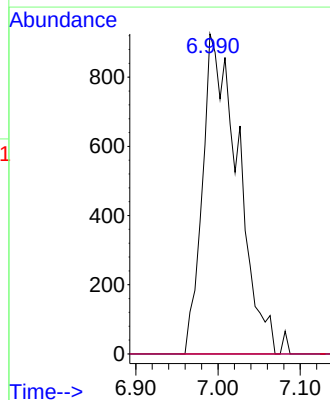
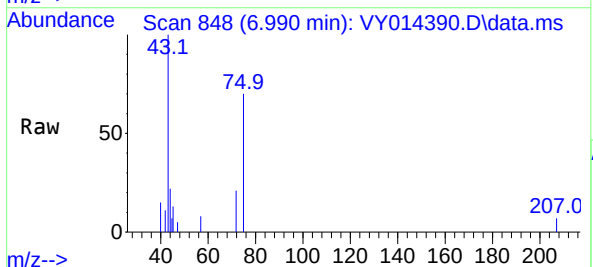
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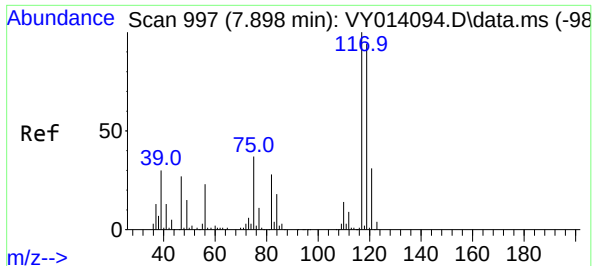
Tgt Ion: 75 Resp: 13403
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.5 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.310 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.085 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

Tgt Ion: 43 Resp: 2780
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#

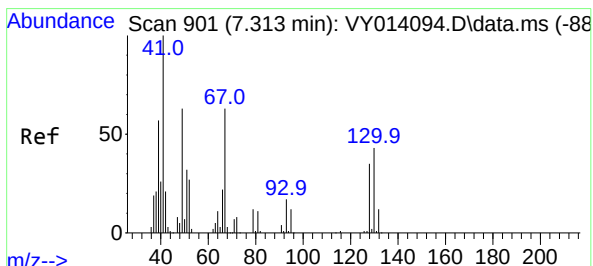
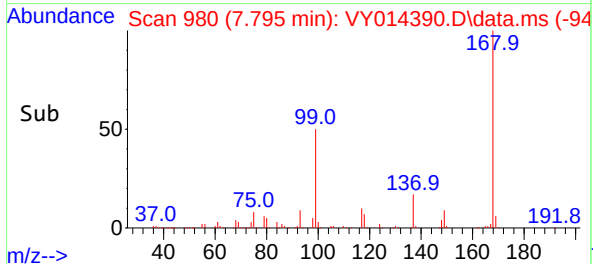
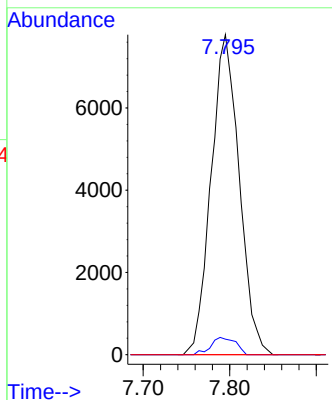
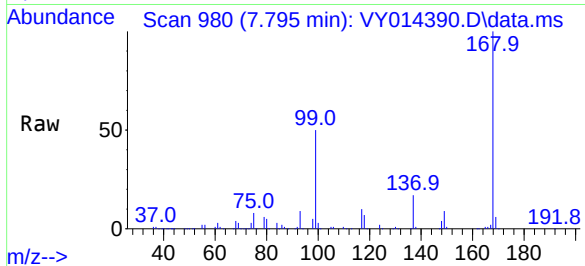




#38
Carbon Tetrachloride
Concen: 4.946 ug/l
RT: 7.795 min Scan# 909
Delta R.T. -0.103 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

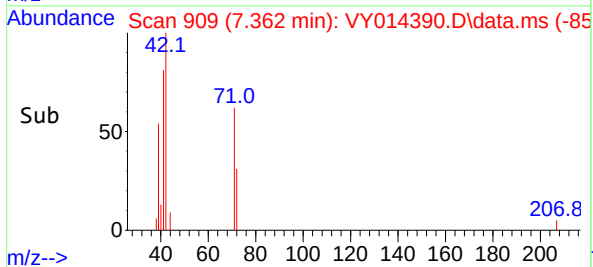
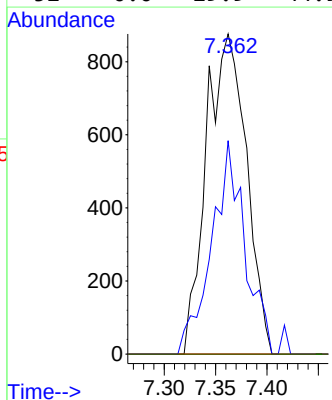
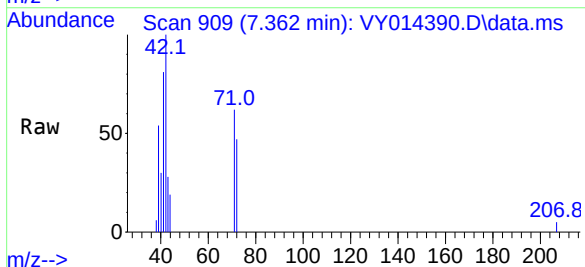
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-MC01-GRAB-7RE

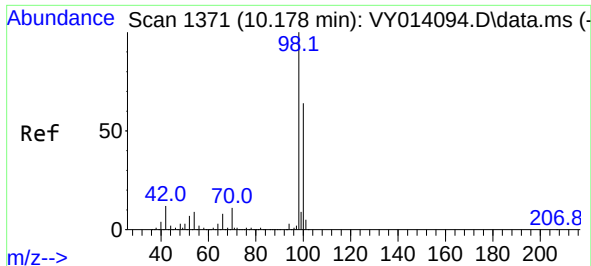
Tgt Ion: 117 Resp: 17549
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.198 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.049 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

Tgt Ion: 41 Resp: 2380
Ion Ratio Lower Upper
41 100
39 55.0 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

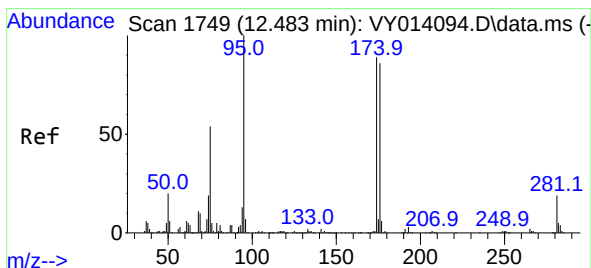
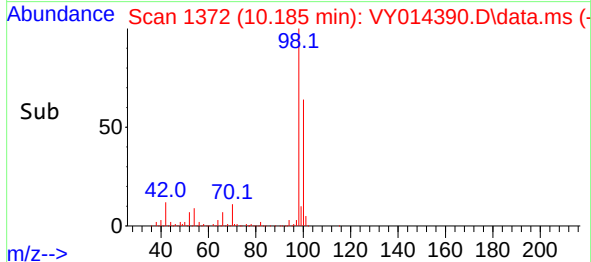
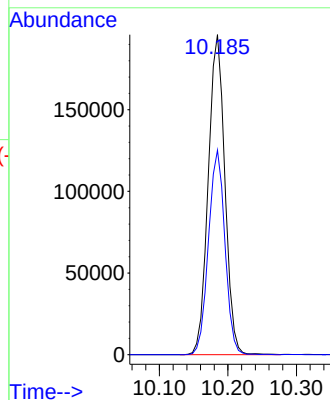
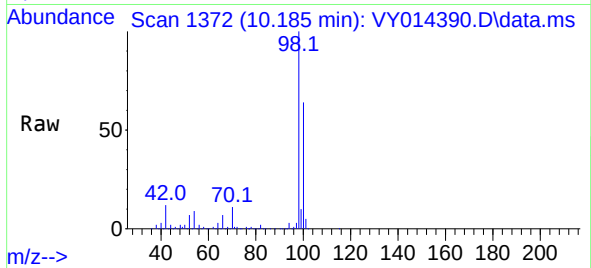




#50
Toluene-d8
Concen: 44.908 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

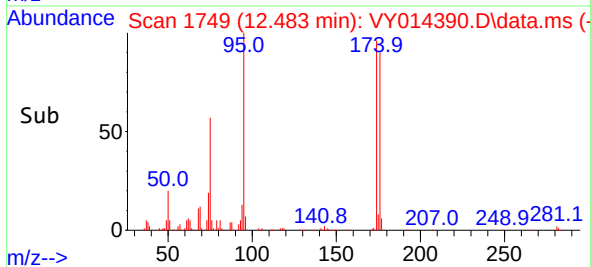
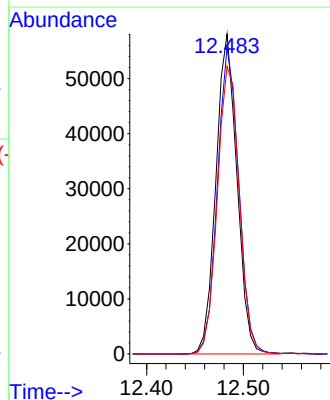
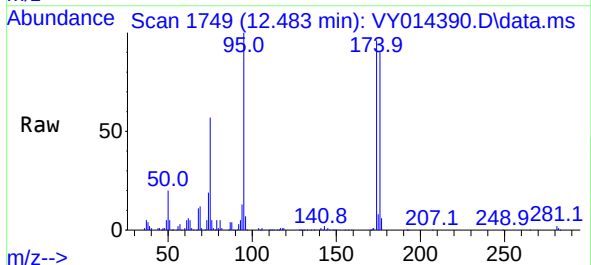
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7RE

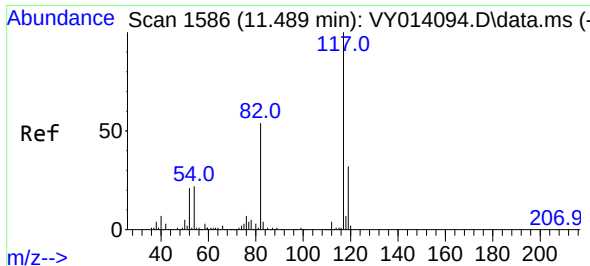
Tgt Ion: 98 Resp: 331093
Ion Ratio Lower Upper
98 100
100 63.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 33.480 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

Tgt Ion: 95 Resp: 87685
Ion Ratio Lower Upper
95 100
174 97.1 0.0 178.2
176 94.0 0.0 173.8

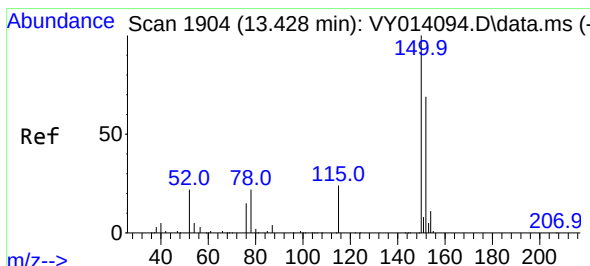
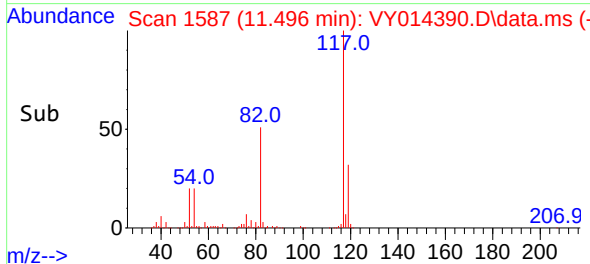
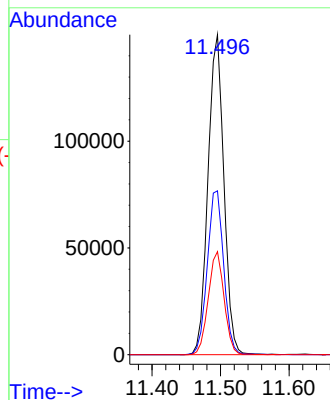
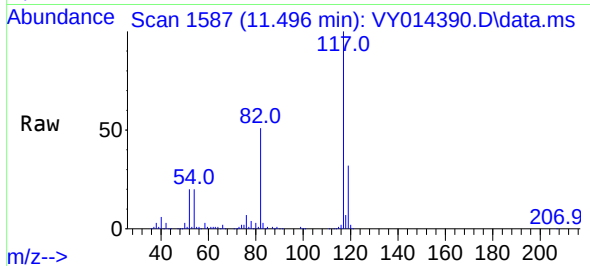




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

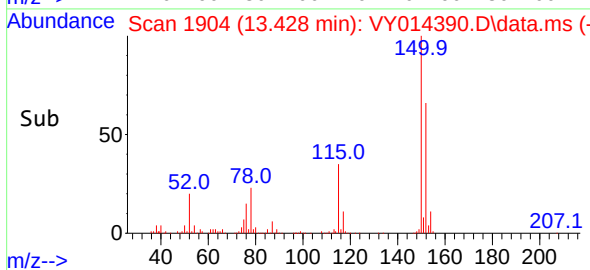
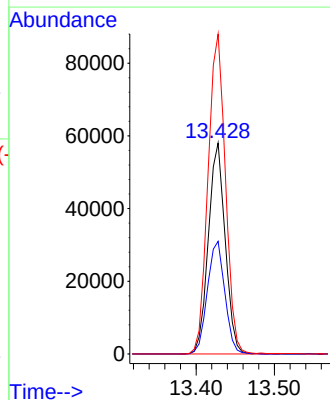
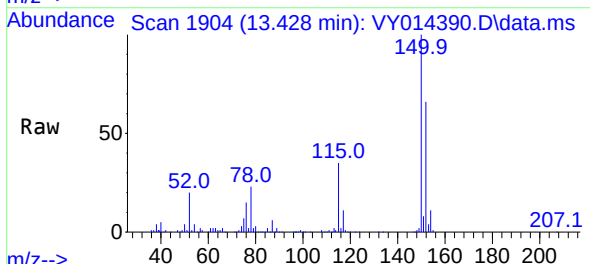
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7RE

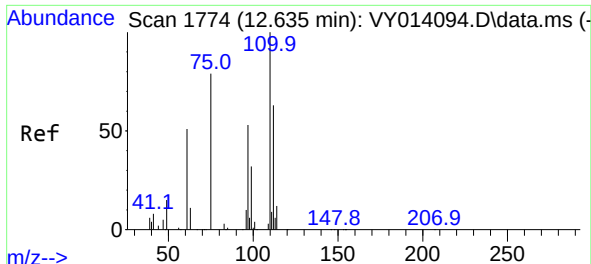
Tgt Ion:117 Resp: 241683
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.0
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

Tgt Ion:152 Resp: 86490
Ion Ratio Lower Upper
152 100
115 55.5 28.8 86.5
150 156.4 0.0 348.8

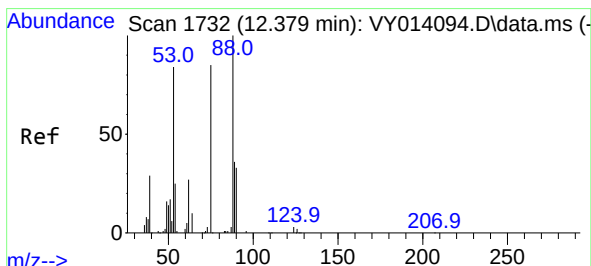
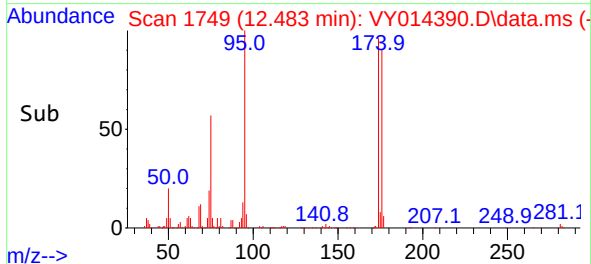
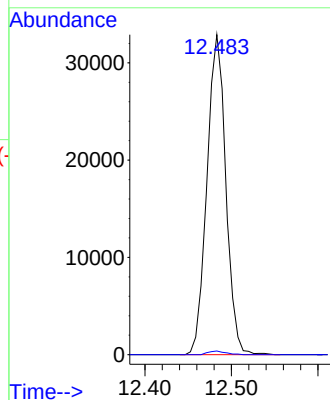
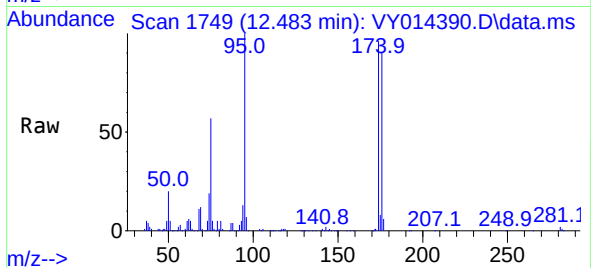




#76
1,2,3-Trichloropropane
Concen: 43.962 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7RE

Tgt Ion: 75 Resp: 49885
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.029 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014390.D
Acq: 22 Jun 2023 19:33

Tgt Ion: 75 Resp: 49885
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#

