

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014210.D
 Acq On : 16 Jun 2023 17:58
 Operator : KP/MD
 Sample : 03229-10
 Misc : 5.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-402-VOC-10

Quant Time: Jun 16 23:24:06 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)

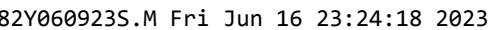
Internal Standards						
1) Pentafluorobenzene	7.789	168	119921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	202449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	216267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107490	50.000	ug/l	0.00

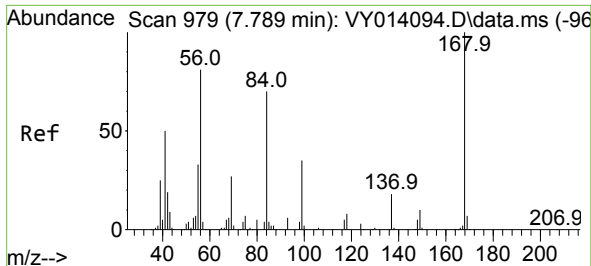
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	82524	49.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.840%
35) Dibromofluoromethane	7.716	113	69100	48.129	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.260%
50) Toluene-d8	10.179	98	253431	47.215	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.440%
62) 4-Bromofluorobenzene	12.483	95	91895	48.195	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.400%

Target Compounds					Qvalue	
11) Tert butyl alcohol	4.924	59	349	Below Cal	#	89
16) Acetone	3.948	43	6577	13.066	ug/l	96
25) 2-Butanone	6.972	43	2916	4.706	ug/l	94
29) Tetrahydrofuran	7.344	42	583	1.484	ug/l	# 66
31) Cyclohexane	7.777	56	2875	1.285	ug/l	# 34
36) 1,1-Dichloropropene	7.789	75	9037	4.037	ug/l	# 51
37) Ethyl Acetate	6.972	43	2916	1.888	ug/l	# 40
38) Carbon Tetrachloride	7.783	117	11798	4.568	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	51016	36.175	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	51016	78.197	ug/l	# 11

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

Quant Time: Jun 16 23:24:06 2023
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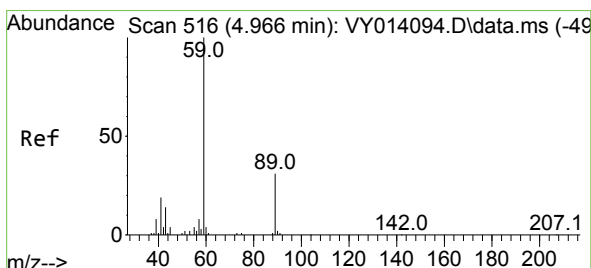
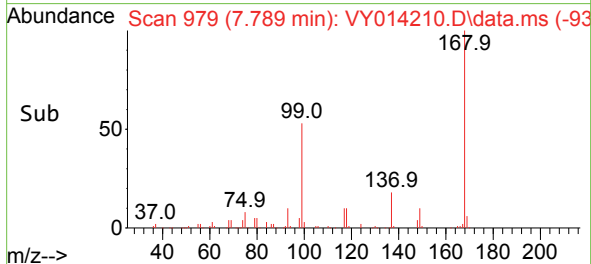
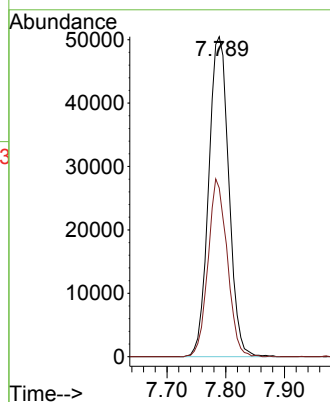
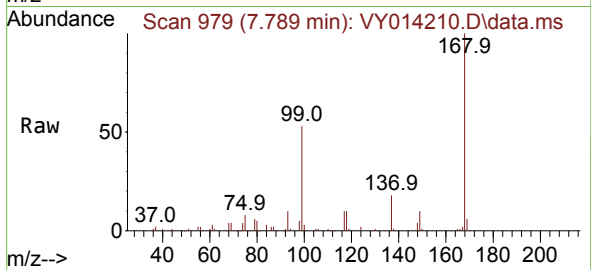




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

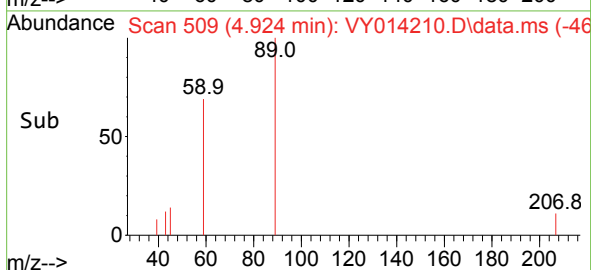
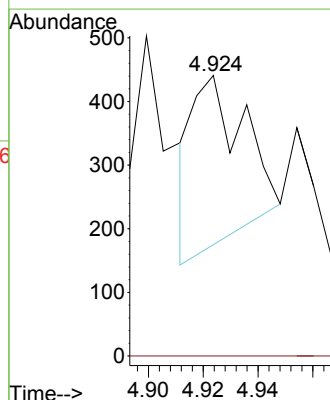
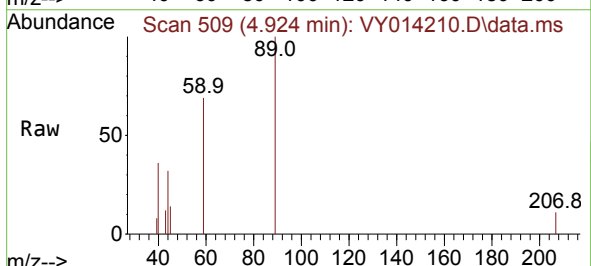
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-10

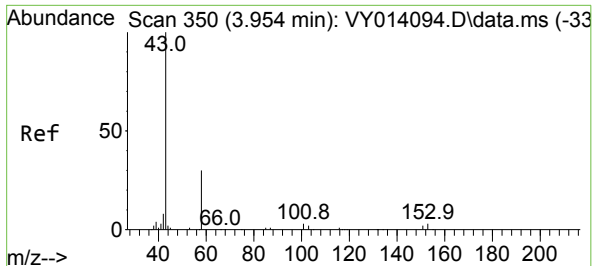
Tgt Ion:168 Resp: 119921
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.042 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

Tgt Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

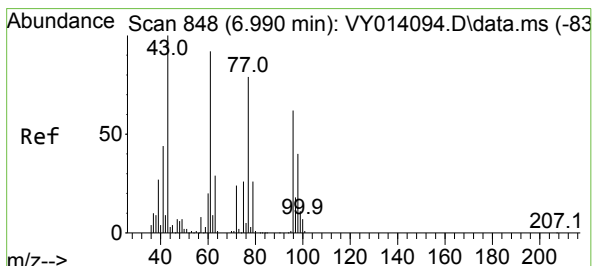
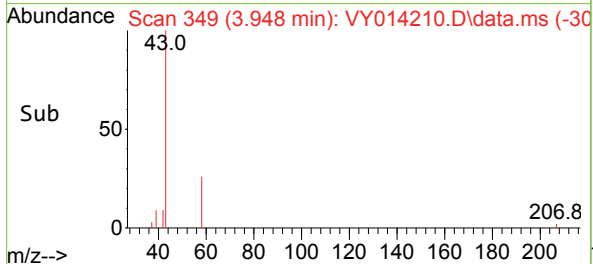
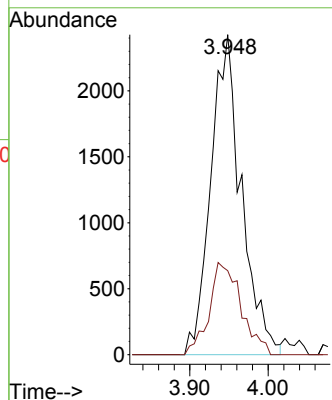
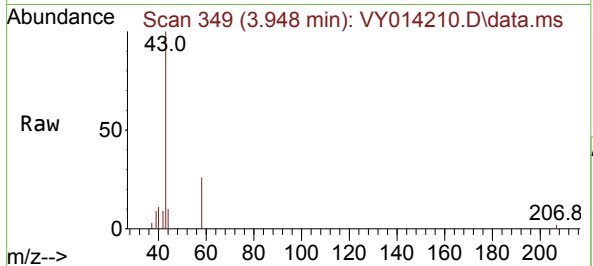




#16
Acetone
Concen: 13.066 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

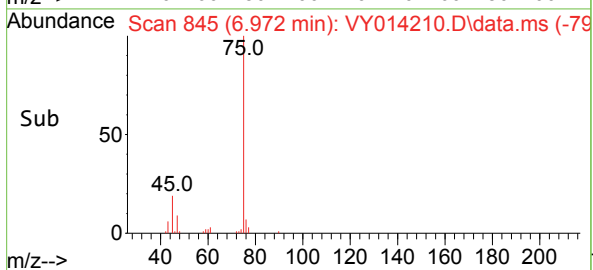
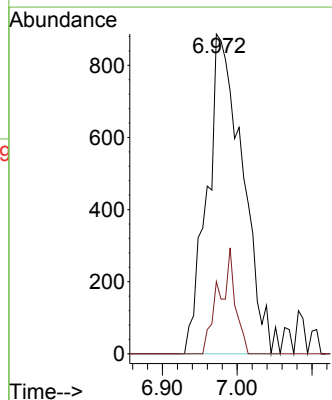
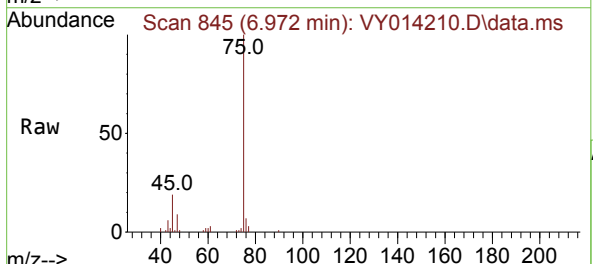
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-10

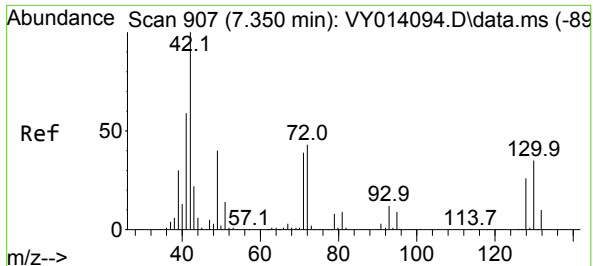
Tgt Ion: 43 Resp: 6577
Ion Ratio Lower Upper
43 100
58 26.3 22.7 34.1



#25
2-Butanone
Concen: 4.706 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

Tgt Ion: 43 Resp: 2916
Ion Ratio Lower Upper
43 100
72 22.5 20.5 30.7





#29

Tetrahydrofuran

Concen: 1.484 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY014210.D

Acq: 16 Jun 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

OR-402-VOC-10

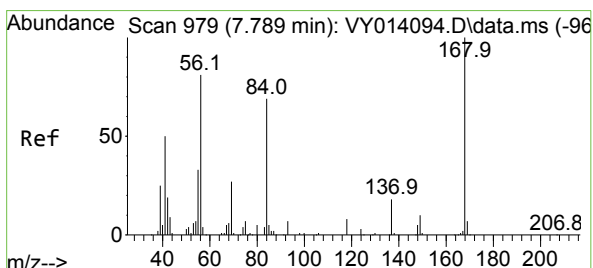
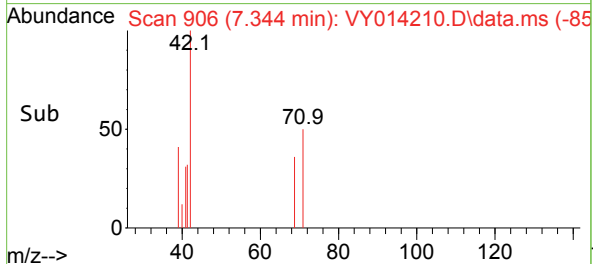
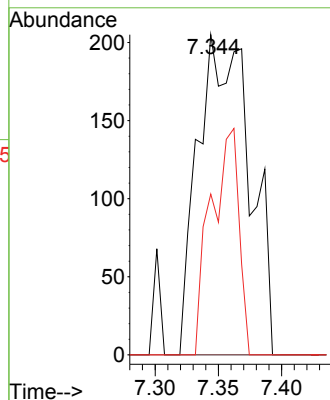
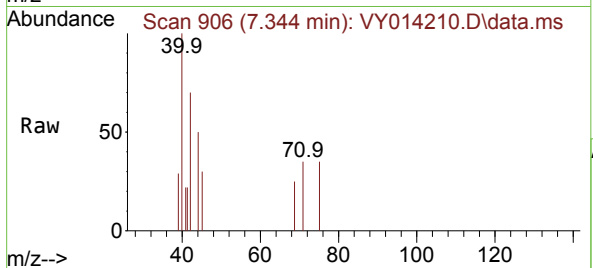
Tgt Ion: 42 Resp: 583

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 38.3 31.0 46.4



#31

Cyclohexane

Concen: 1.285 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.012 min

Lab File: VY014210.D

Acq: 16 Jun 2023 17:58

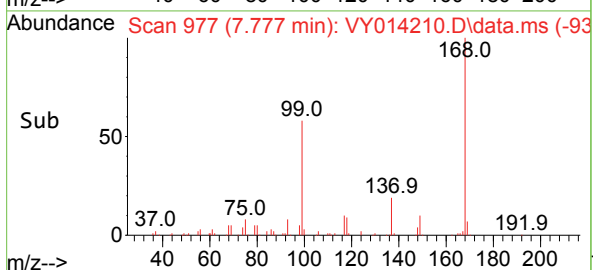
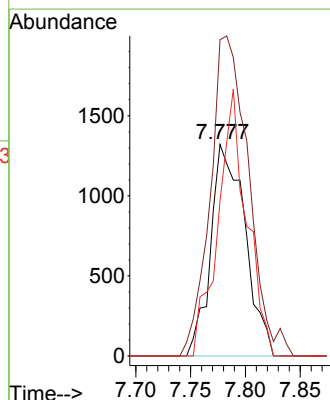
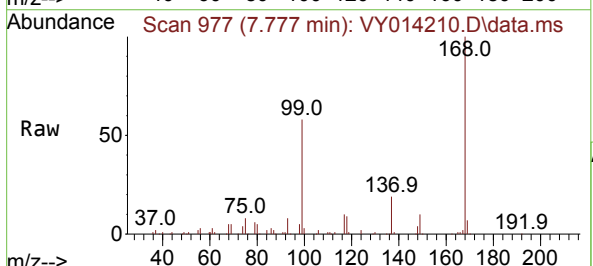
Tgt Ion: 56 Resp: 2875

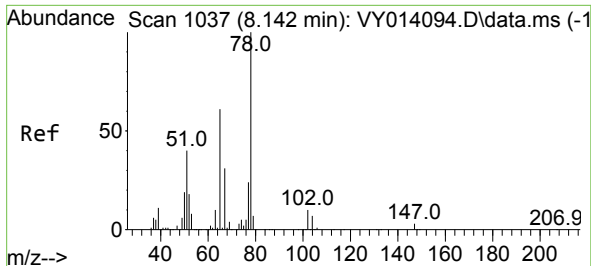
Ion Ratio Lower Upper

56 100

69 149.5 27.8 41.6#

84 73.4 66.4 99.6

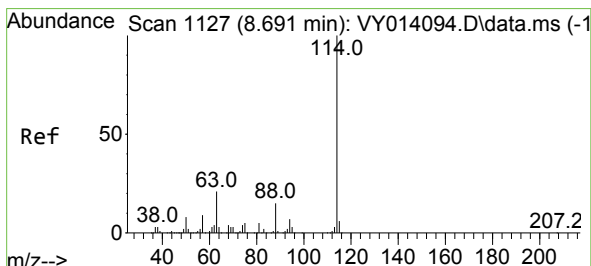
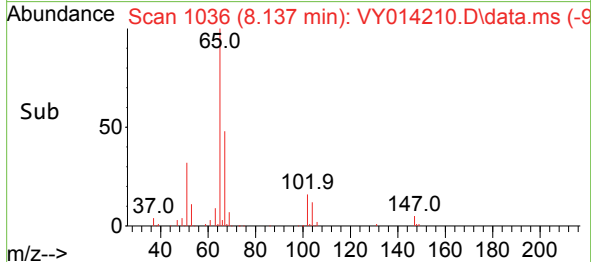
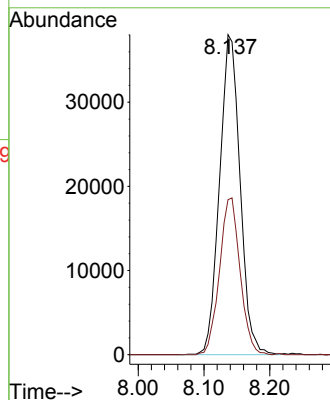
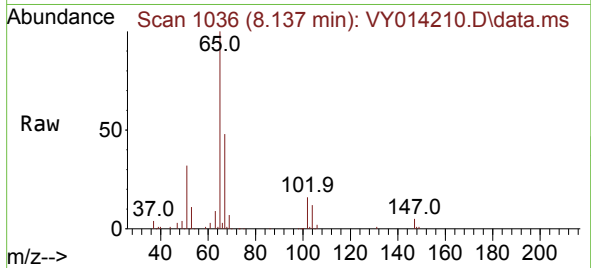




#33
1,2-Dichloroethane-d4
Concen: 49.418 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

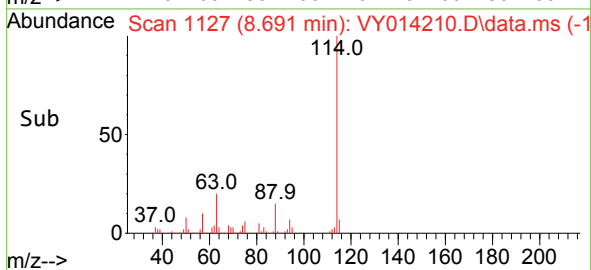
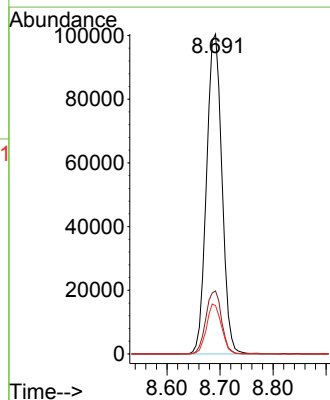
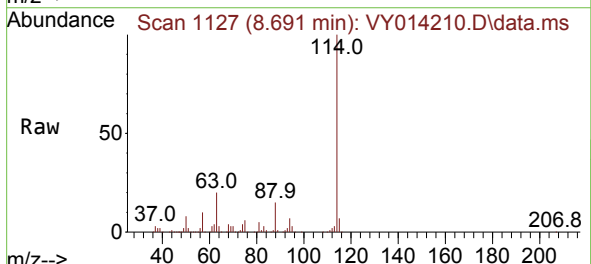
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-10

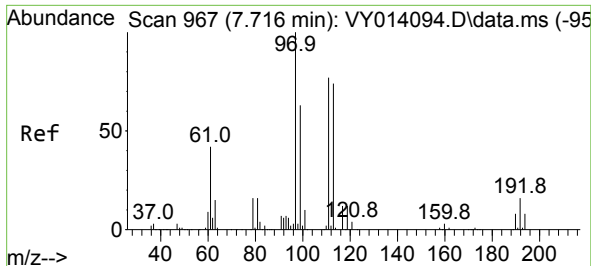
Tgt Ion: 65 Resp: 82524
Ion Ratio Lower Upper
65 100
67 49.2 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

Tgt Ion: 114 Resp: 202449
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.4
88 15.1 0.0 30.6

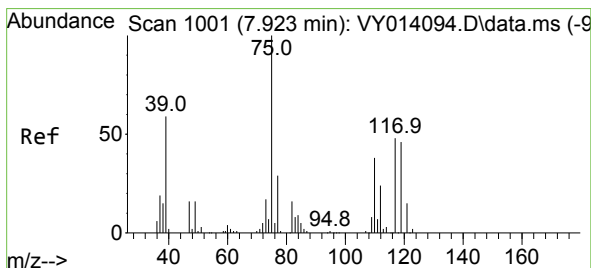
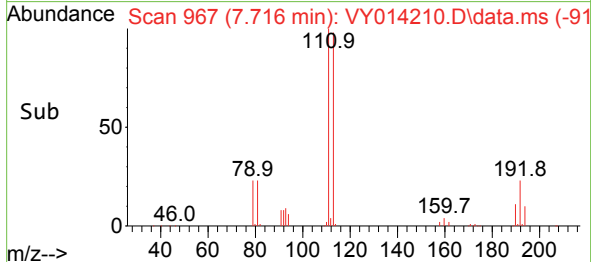
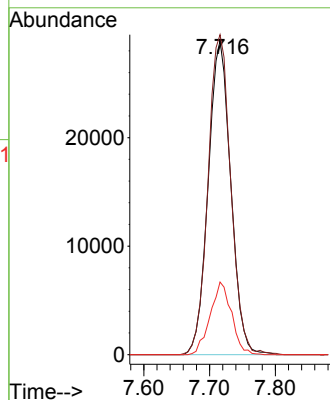
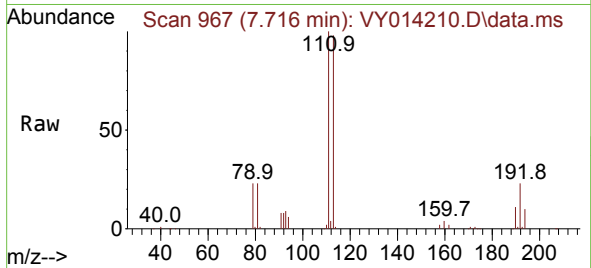




#35
Dibromofluoromethane
Concen: 48.129 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

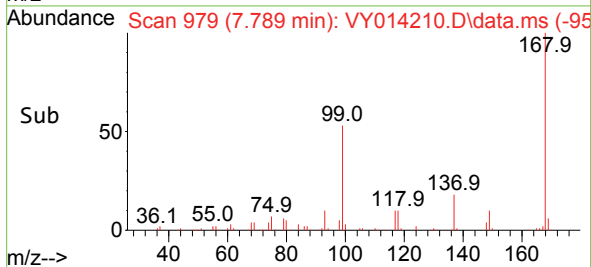
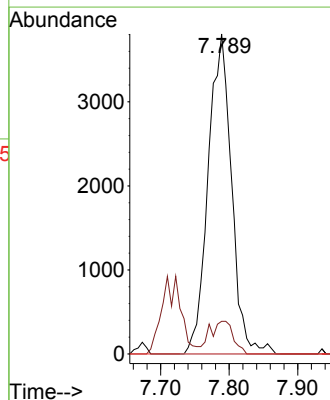
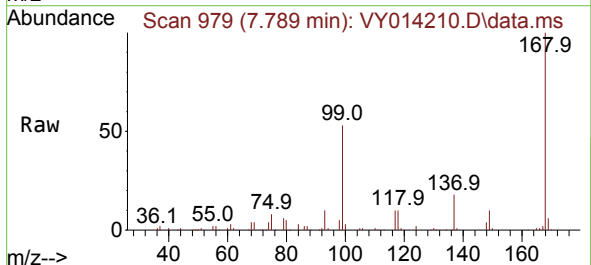
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-10

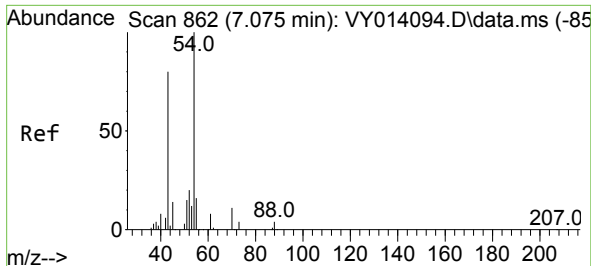
Tgt Ion:113 Resp: 69100
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 21.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.037 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

Tgt Ion: 75 Resp: 9037
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.888 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY014210.D

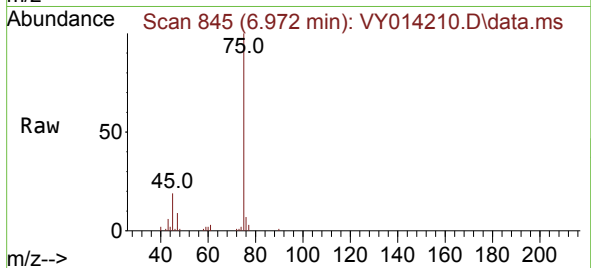
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Instrument :

MSVOA_Y

ClientSampleId :

OR-402-VOC-10



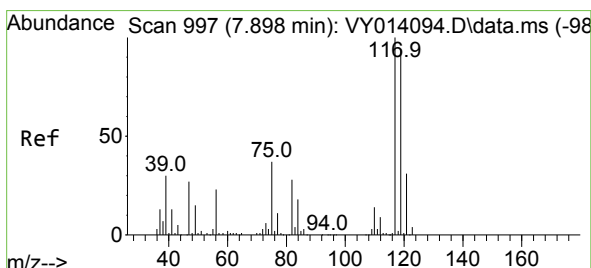
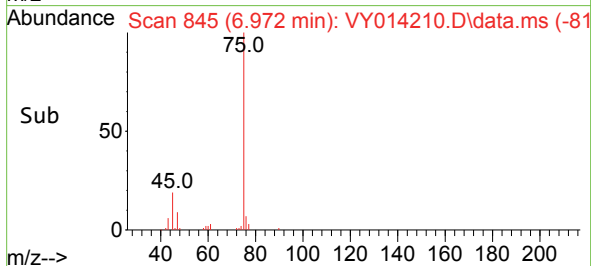
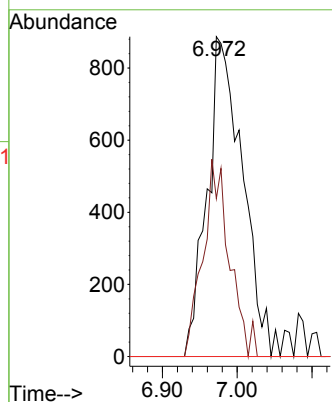
Tgt Ion: 43 Resp: 2916

Ion Ratio Lower Upper

43 100

61 46.1 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.568 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014210.D

Acq: 16 Jun 2023 17:58

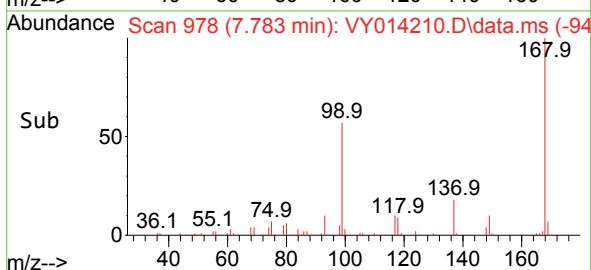
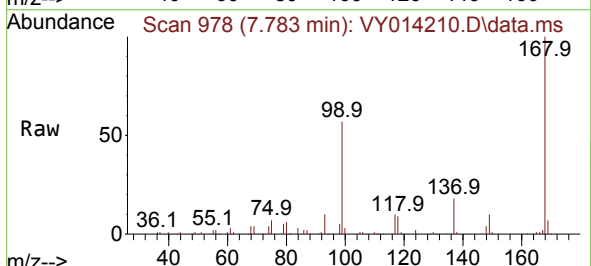
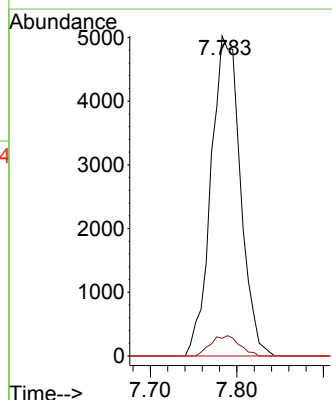
Tgt Ion: 117 Resp: 11798

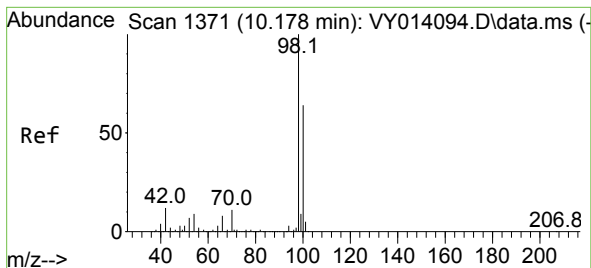
Ion Ratio Lower Upper

117 100

119 5.5 76.4 114.6#

121 0.0 25.8 38.6#

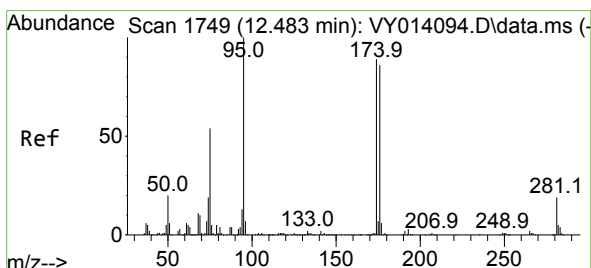
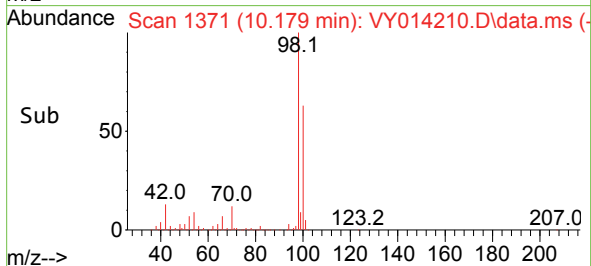
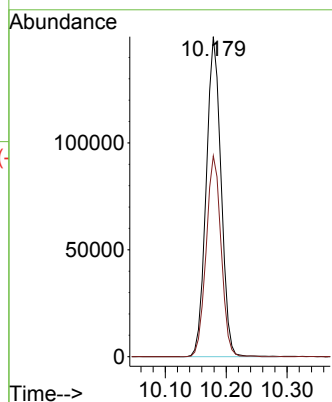
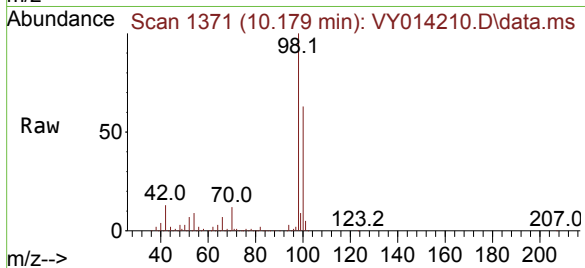




#50
Toluene-d8
Concen: 47.215 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

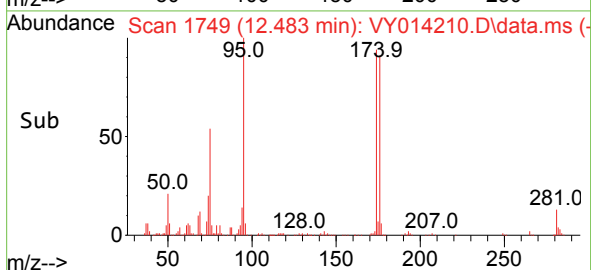
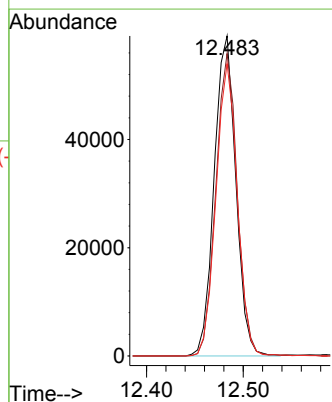
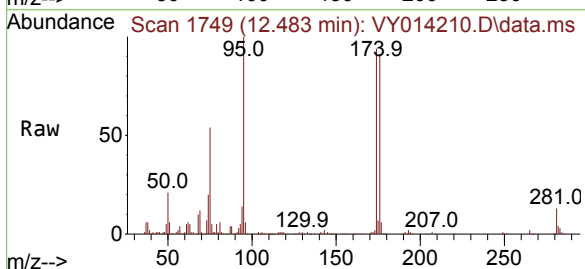
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-10

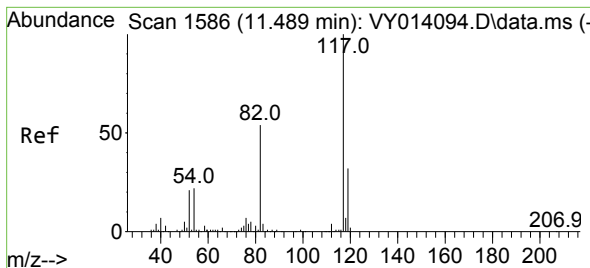
Tgt Ion: 98 Resp: 253431
Ion Ratio Lower Upper
98 100
100 63.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.195 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

Tgt Ion: 95 Resp: 91895
Ion Ratio Lower Upper
95 100
174 93.6 0.0 178.2
176 90.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014210.D

Acq: 16 Jun 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

OR-402-VOC-10

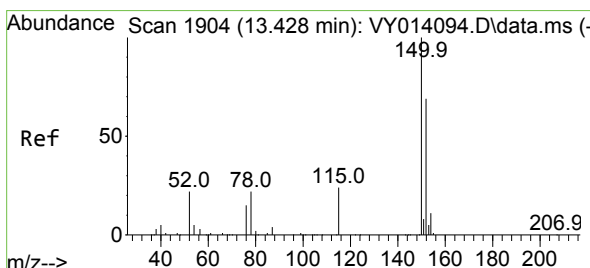
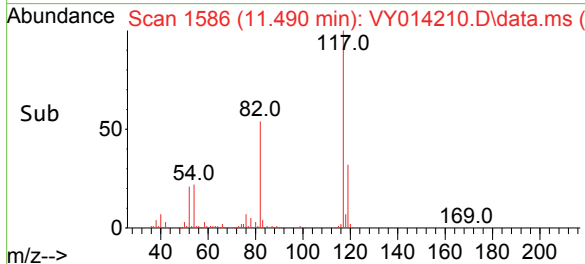
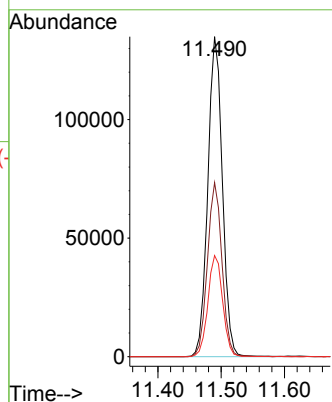
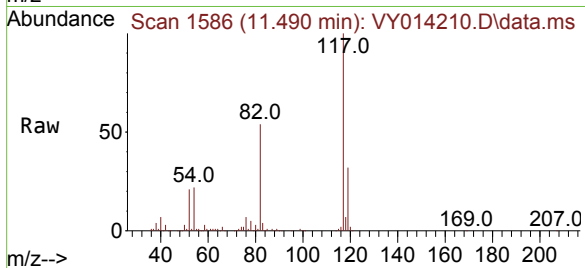
Tgt Ion:117 Resp: 216267

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 31.6 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: VY014210.D

Acq: 16 Jun 2023 17:58

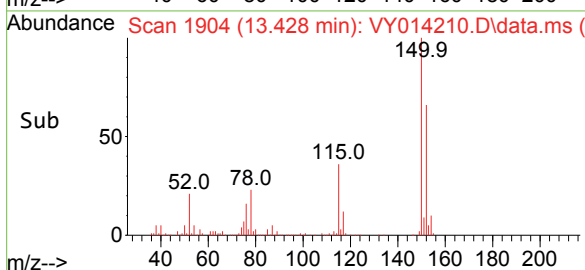
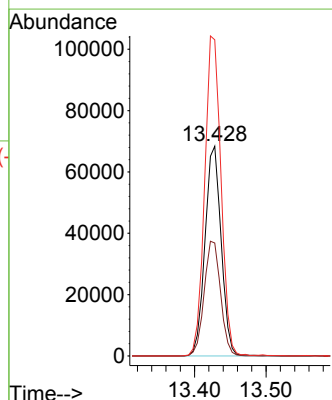
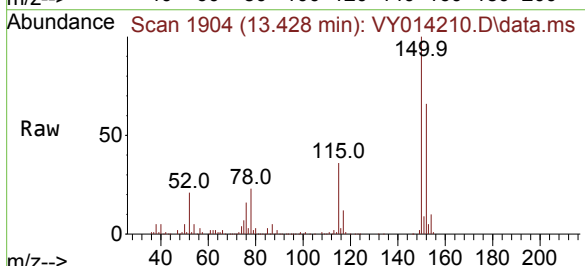
Tgt Ion:152 Resp: 107490

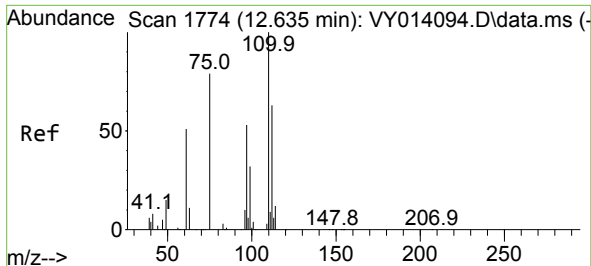
Ion Ratio Lower Upper

152 100

115 55.5 28.8 86.5

150 153.9 0.0 348.8

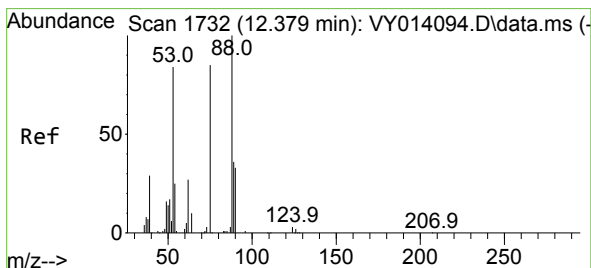
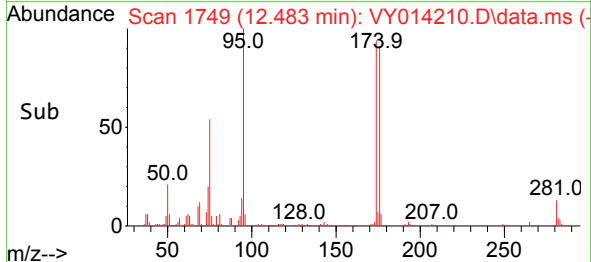
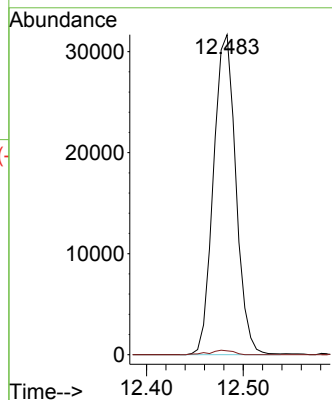
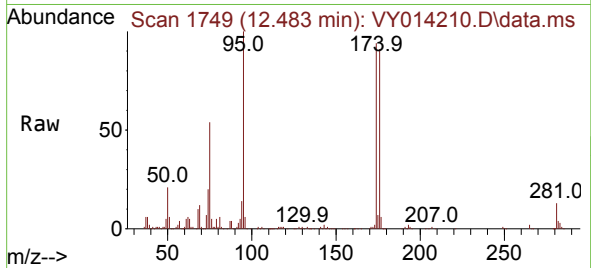




#76
1,2,3-Trichloropropane
Concen: 36.175 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-10

Tgt Ion: 75 Resp: 51016
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.197 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014210.D
Acq: 16 Jun 2023 17:58

Tgt Ion: 75 Resp: 51016
Ion Ratio Lower Upper
75 100
53 1.1 77.8 116.8#
89 0.2 37.4 56.0#

