

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014231.D
 Acq On : 19 Jun 2023 16:32
 Operator : KP/MD
 Sample : 03229-03RE
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-402-VOC-09

Quant Time: Jun 19 17:03:27 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)

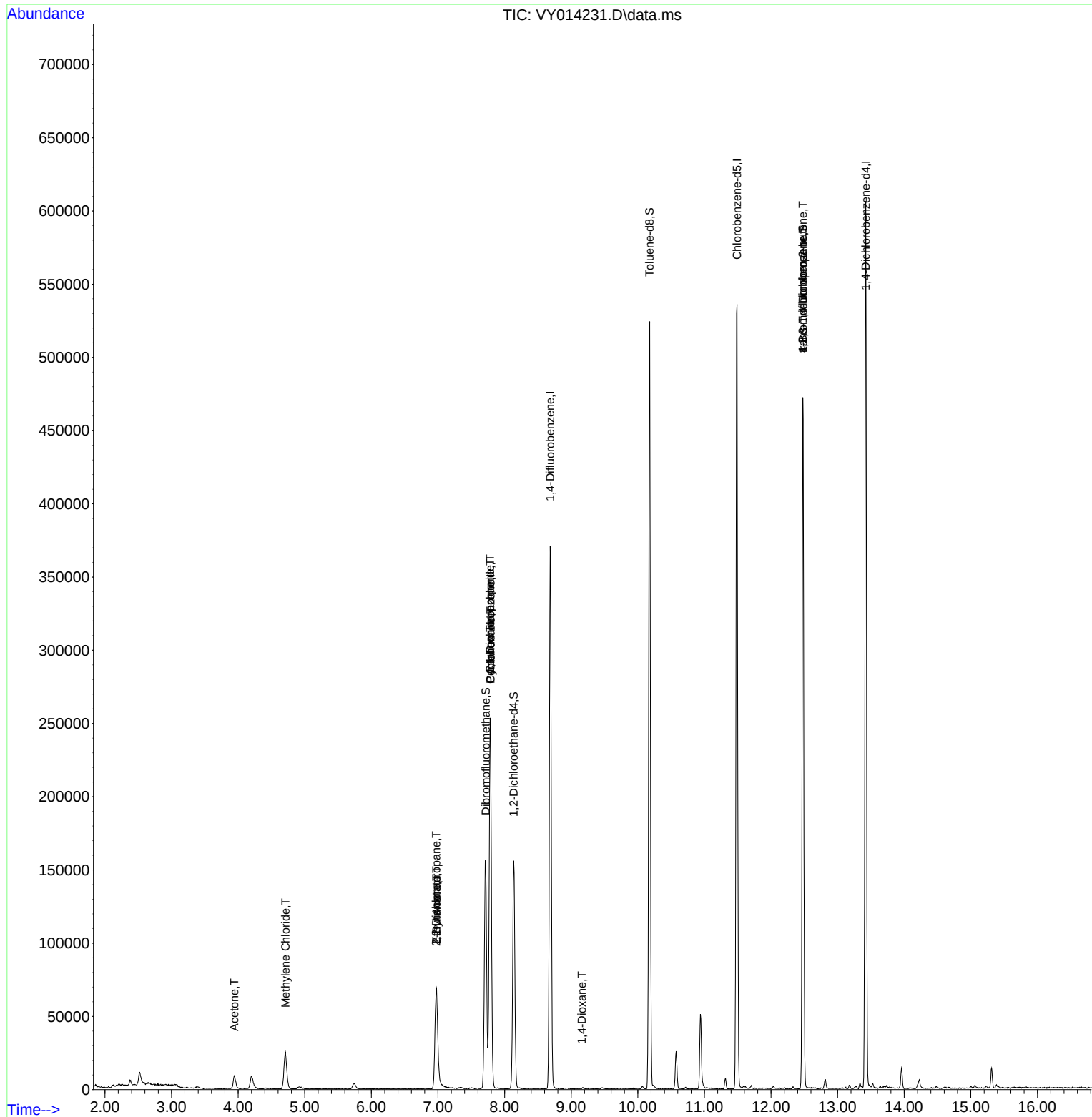
Internal Standards						
1) Pentafluorobenzene	7.789	168	201728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	309361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	291732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128436	45.722	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.440%		
35) Dibromofluoromethane	7.716	113	107425	48.965	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.920%		
50) Toluene-d8	10.179	98	338413	41.259	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	82.520%		
62) 4-Bromofluorobenzene	12.477	95	127359	43.711	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.420%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.924	59	1689	Below Cal	#	89
13) Acrolein	3.723	56	73	Below Cal	#	14
16) Acetone	3.942	43	15121	17.858	ug/l	92
20) Methylene Chloride	4.710	84	17993	3.308	ug/l	88
25) 2-Butanone	6.978	43	6504	6.240	ug/l #	77
26) 2,2-Dichloropropane	6.972	77	4962	1.146	ug/l #	54
31) Cyclohexane	7.789	56	4480	1.191	ug/l #	10
36) 1,1-Dichloropropene	7.783	75	15497	4.531	ug/l #	51
37) Ethyl Acetate	6.978	43	6504	2.756	ug/l #	22
38) Carbon Tetrachloride	7.783	117	19966	5.058	ug/l #	16
49) 1,4-Dioxane	9.161	88	49	2.425	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	68819	33.981	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68819	73.453	ug/l #	11

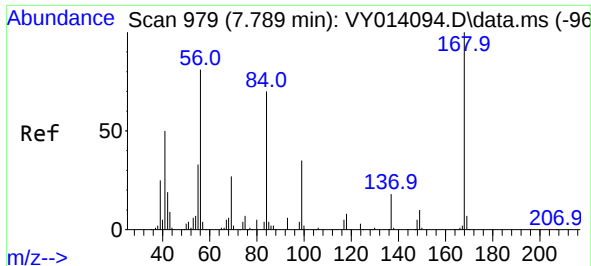
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 19 17:03:27 2023
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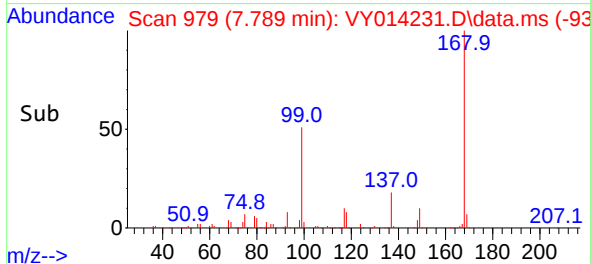
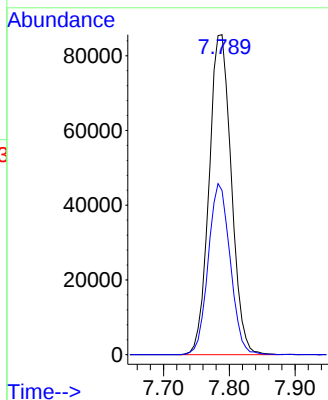
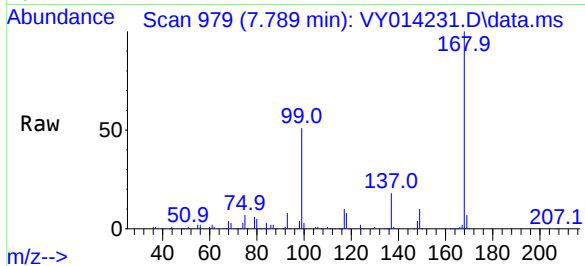




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

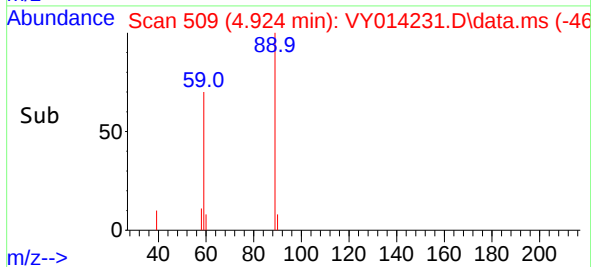
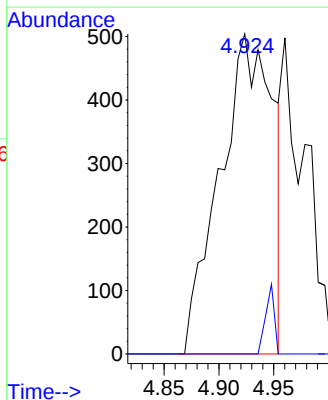
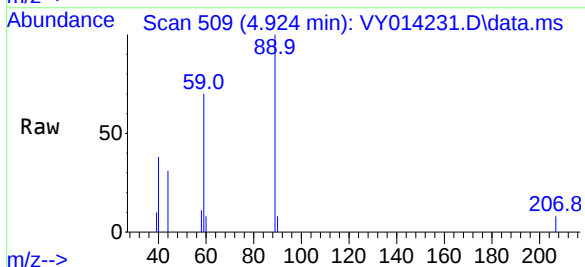
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

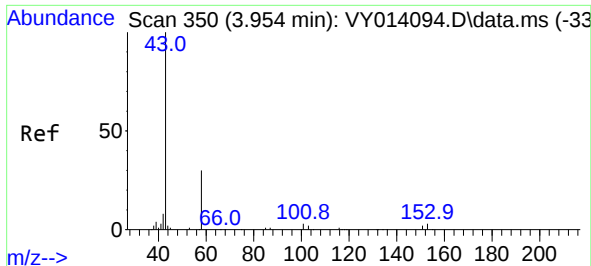
Tgt Ion:168 Resp: 201728
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.042 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

Tgt Ion: 59 Resp: 1689
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

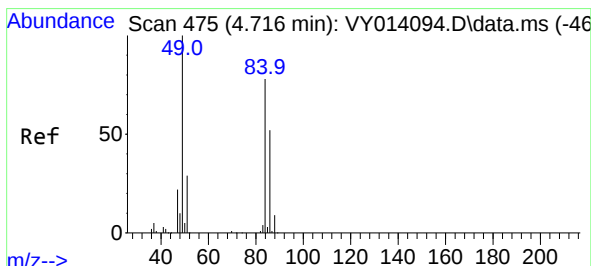
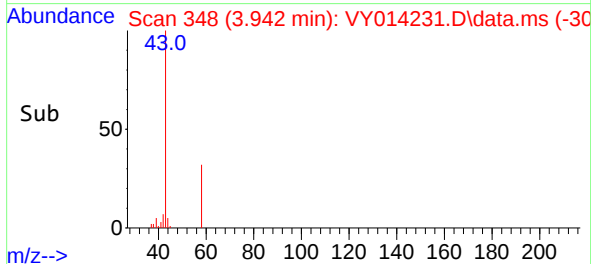
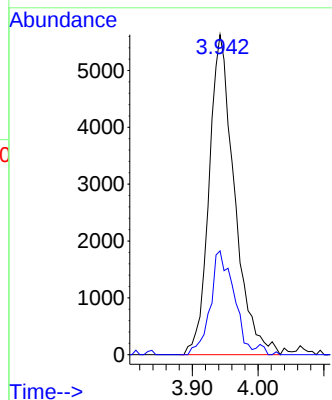
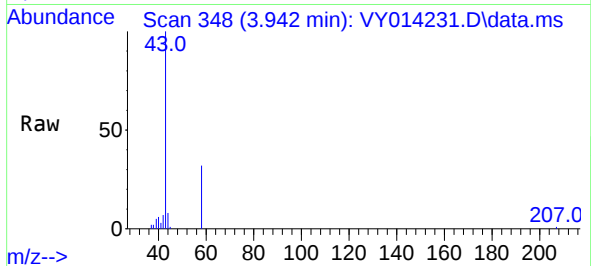




#16
Acetone
Concen: 17.858 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

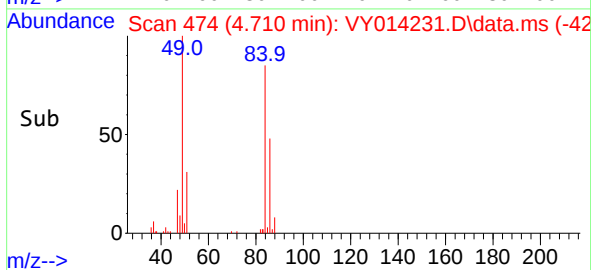
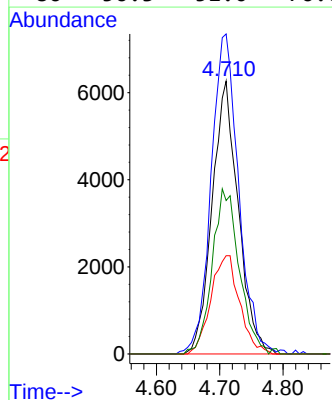
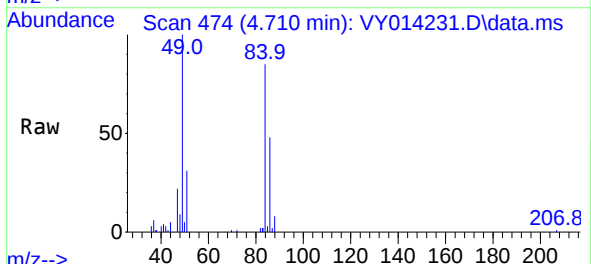
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

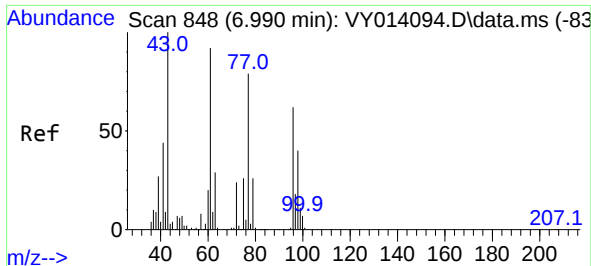
Tgt Ion: 43 Resp: 15121
Ion Ratio Lower Upper
43 100
58 32.5 22.7 34.1



#20
Methylene Chloride
Concen: 3.308 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

Tgt Ion: 84 Resp: 17993
Ion Ratio Lower Upper
84 100
49 116.3 106.9 160.3
51 36.0 33.2 49.8
86 56.3 51.0 76.6

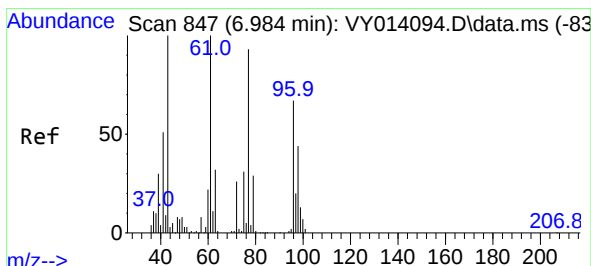
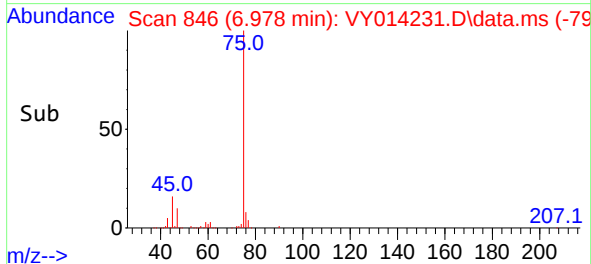
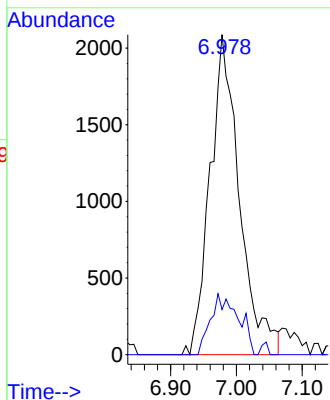
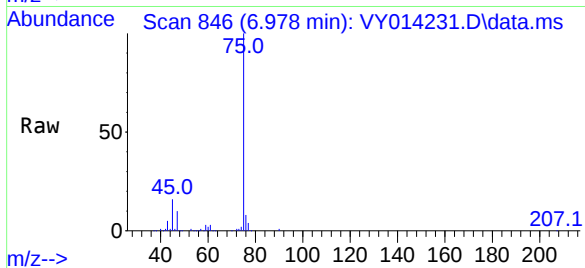




#25
2-Butanone
Concen: 6.240 ug/l
RT: 6.978 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

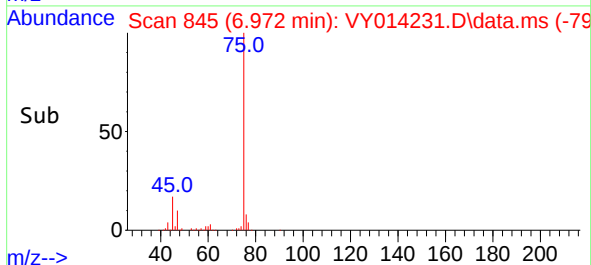
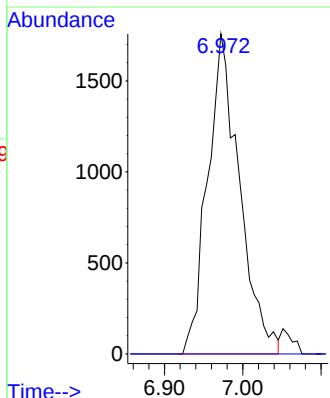
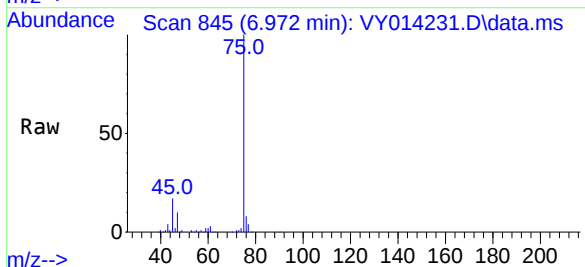
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

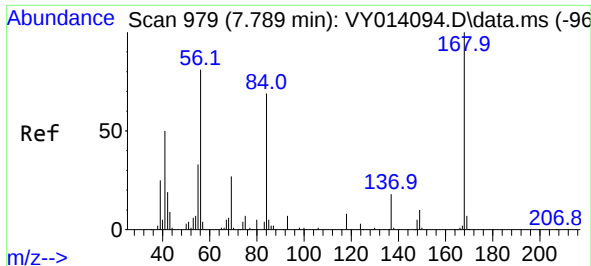
Tgt Ion: 43 Resp: 6504
Ion Ratio Lower Upper
43 100
72 14.1 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.146 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

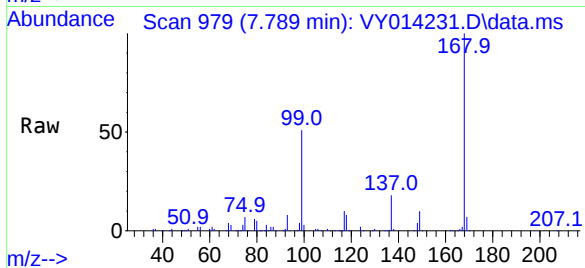
Tgt Ion: 77 Resp: 4962
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



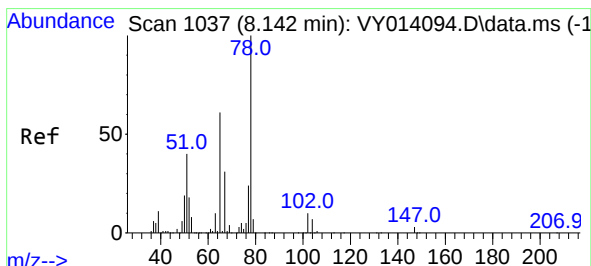
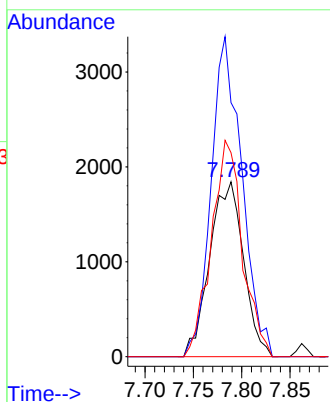
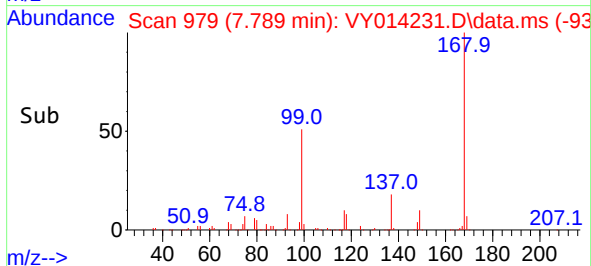


#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

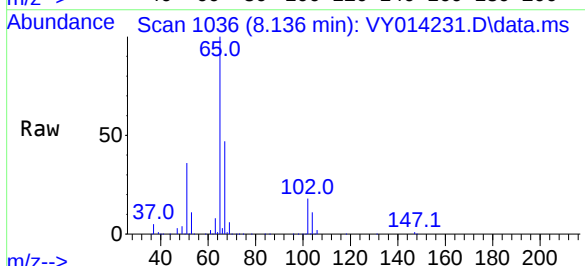
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09



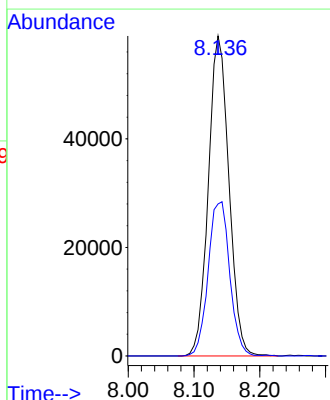
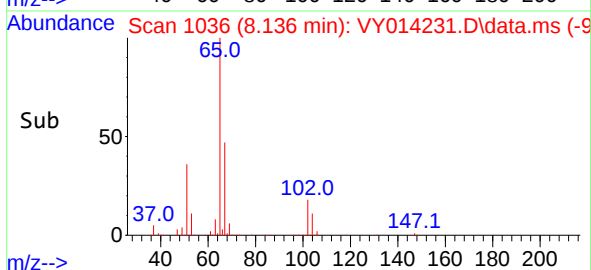
Tgt Ion: 56 Resp: 4480
Ion Ratio Lower Upper
56 100
69 145.3 27.8 41.6#
84 125.4 66.4 99.6#

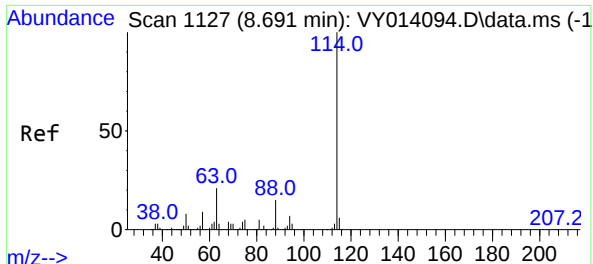


#33
1,2-Dichloroethane-d4
Concen: 45.722 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32



Tgt Ion: 65 Resp: 128436
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY014231.D

Acq: 19 Jun 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

OR-402-VOC-09

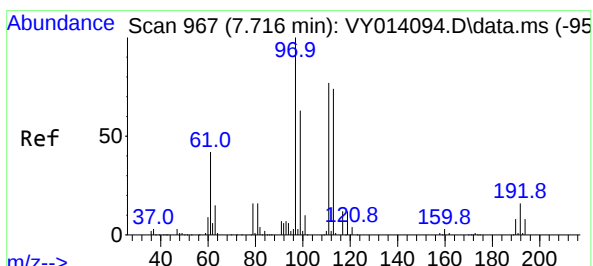
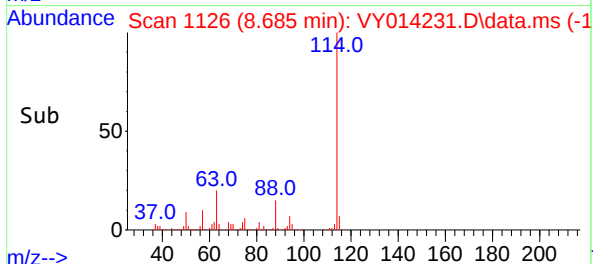
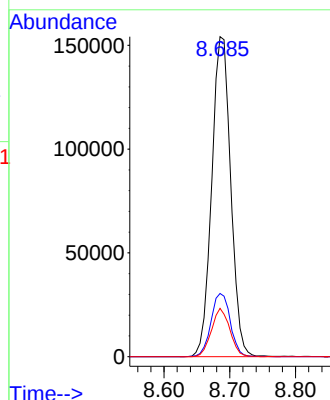
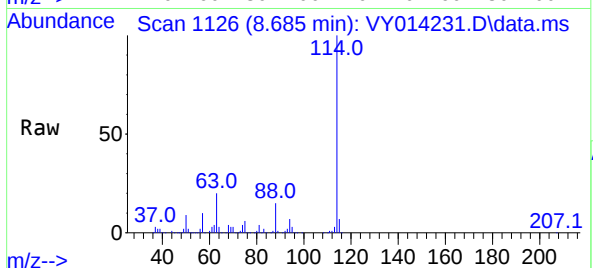
Tgt Ion:114 Resp: 309361

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.965 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014231.D

Acq: 19 Jun 2023 16:32

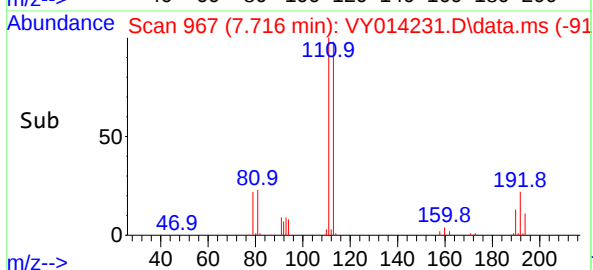
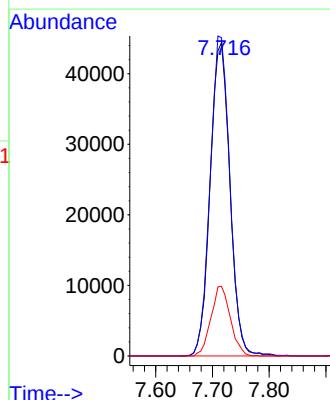
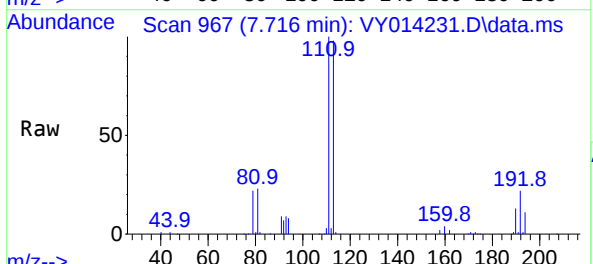
Tgt Ion:113 Resp: 107425

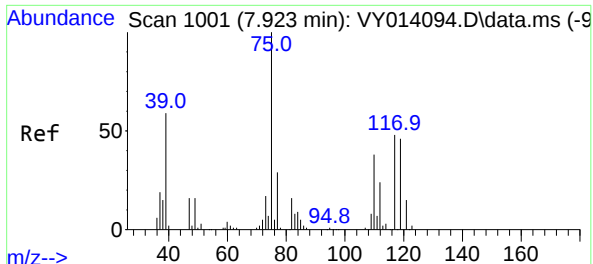
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

192 21.9 16.9 25.3

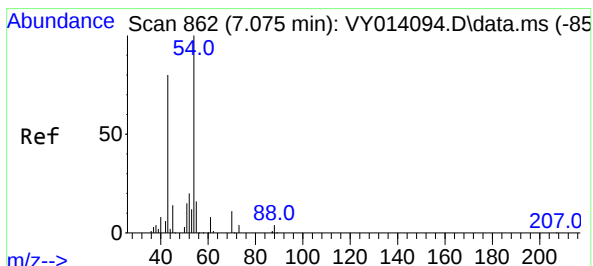
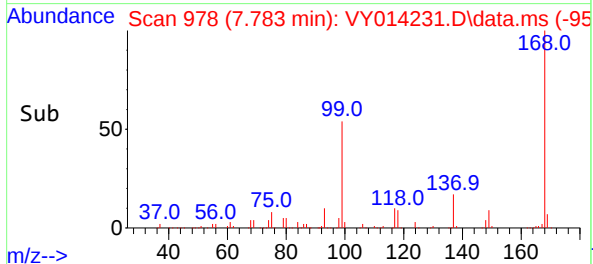
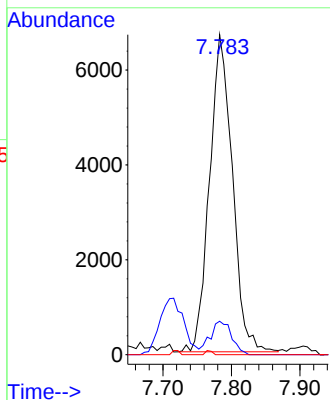
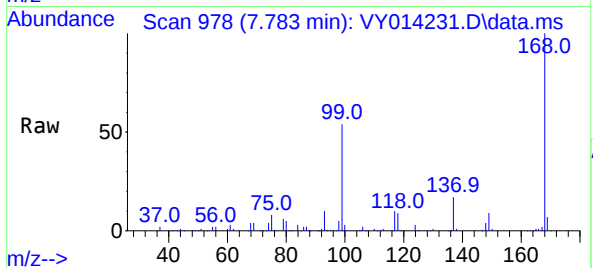




#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

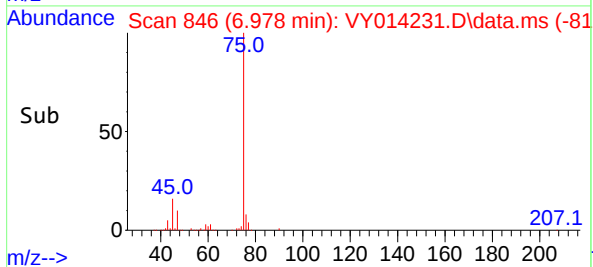
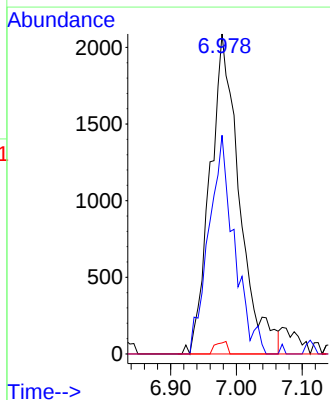
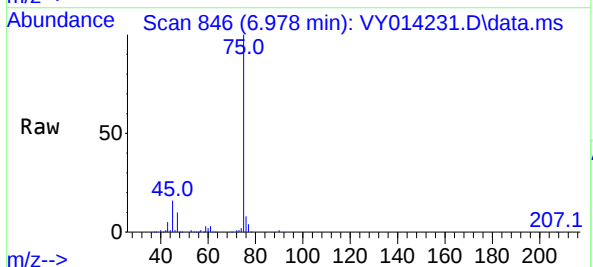
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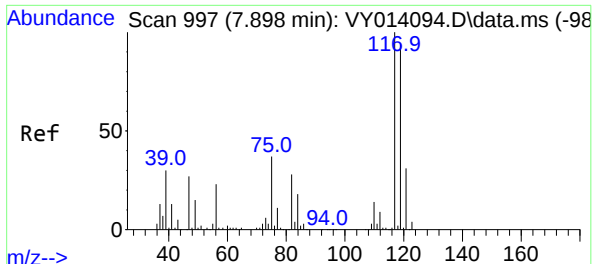
Tgt Ion: 75 Resp: 15497
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.4 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.756 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.097 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

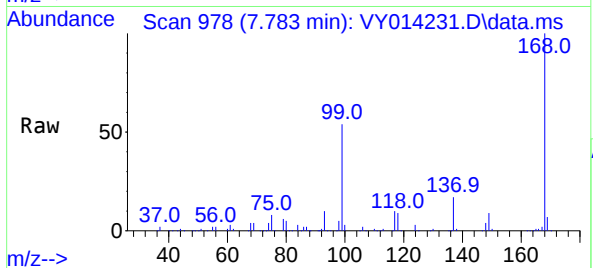
Tgt Ion: 43 Resp: 6504
Ion Ratio Lower Upper
43 100
61 59.3 10.1 15.1#
70 1.6 7.1 10.7#



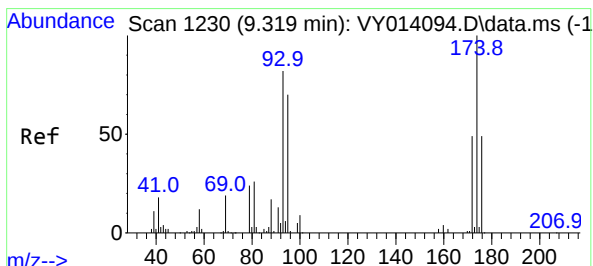
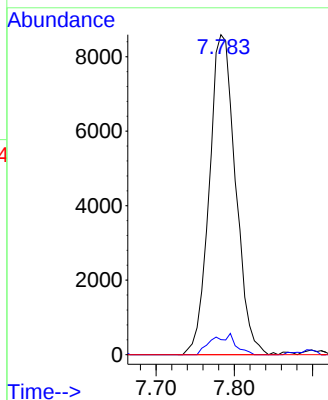
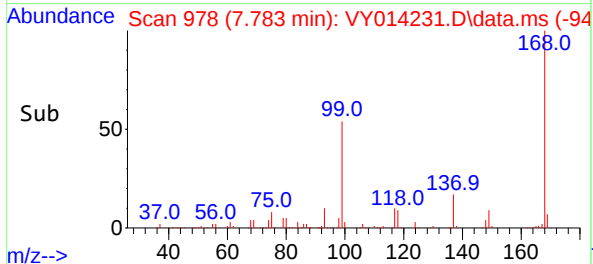


#38
Carbon Tetrachloride
Concen: 5.058 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

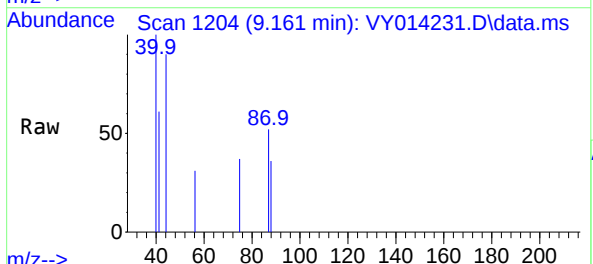
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09



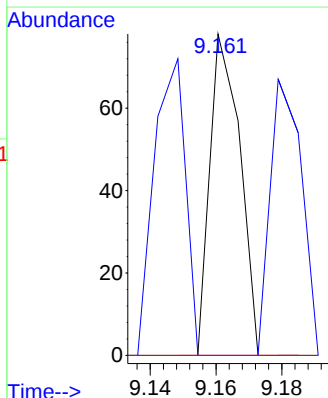
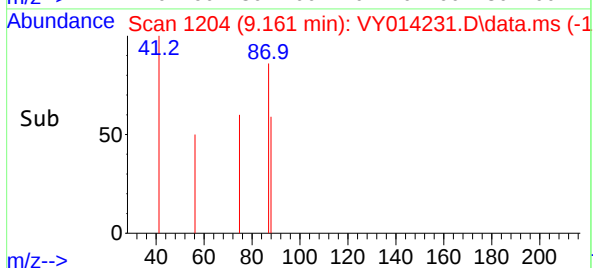
Tgt Ion:117 Resp: 19966
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#

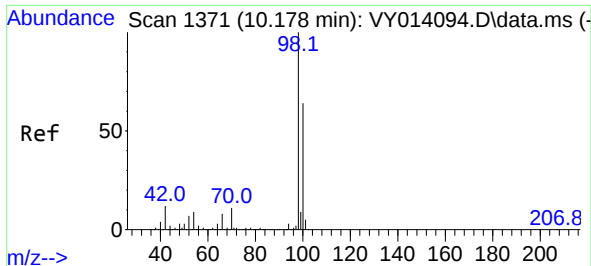


#49
1,4-Dioxane
Concen: 2.425 ug/l
RT: 9.161 min Scan# 1204
Delta R.T. -0.158 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32



Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 98.0 0.0 0.0#
58 0.0 30.9 46.3#

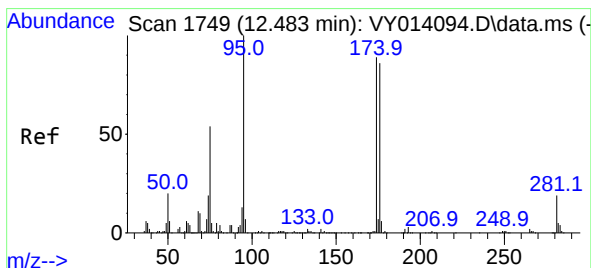
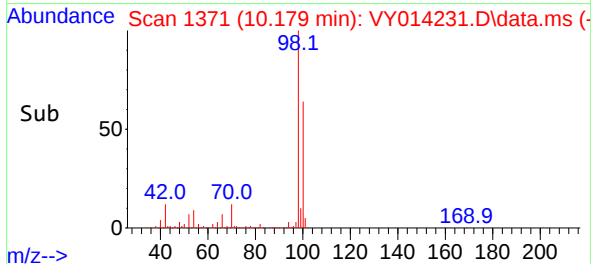
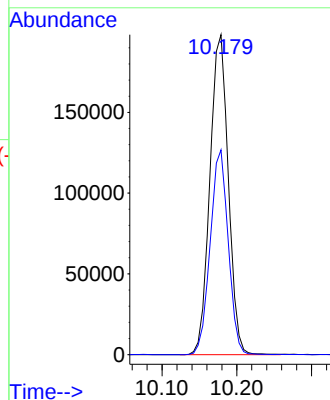
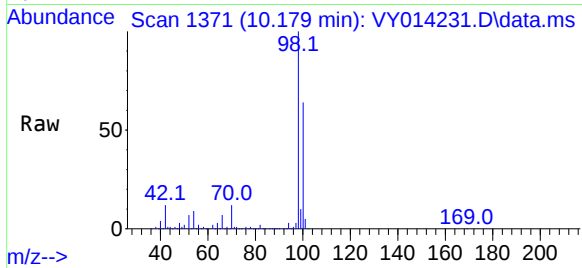




#50
Toluene-d8
Concen: 41.259 ug/l
RT: 10.179 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

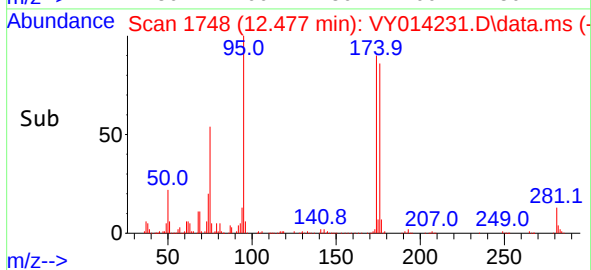
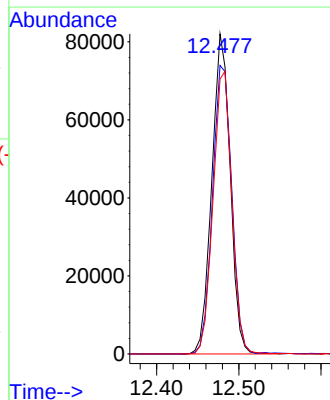
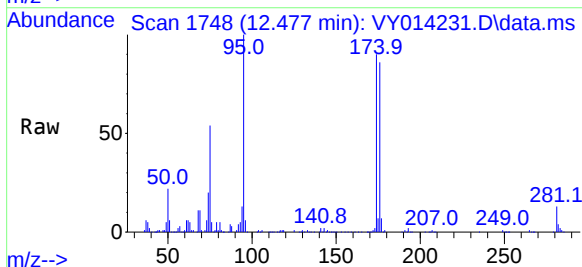
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

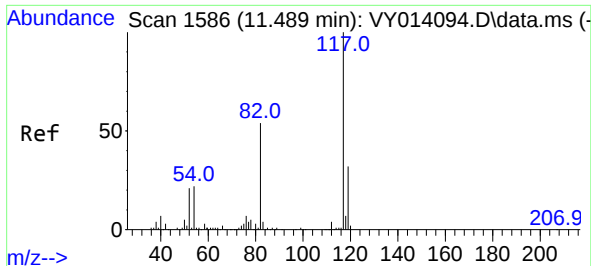
Tgt Ion: 98 Resp: 338413
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.711 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

Tgt Ion: 95 Resp: 127359
Ion Ratio Lower Upper
95 100
174 94.3 0.0 178.2
176 90.4 0.0 173.8

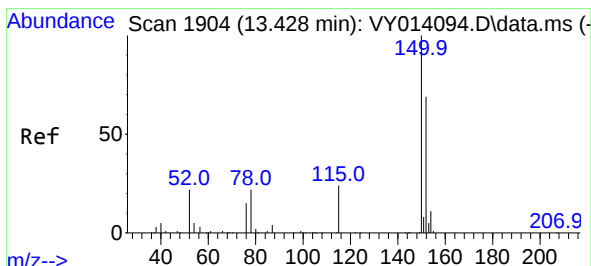
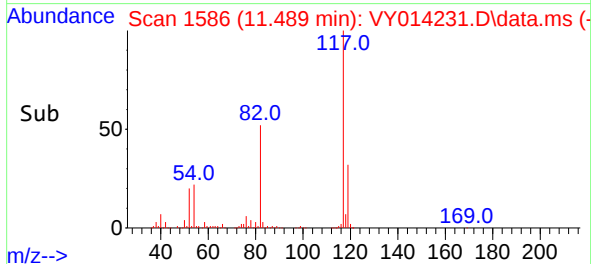
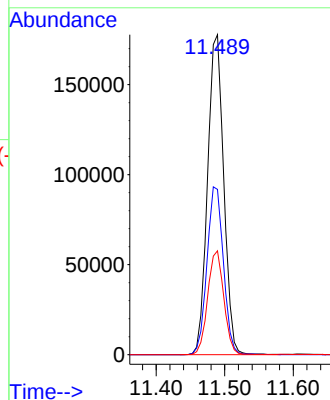
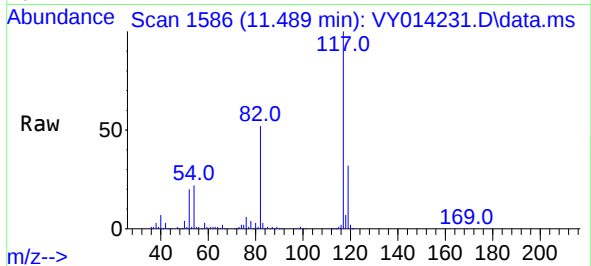




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

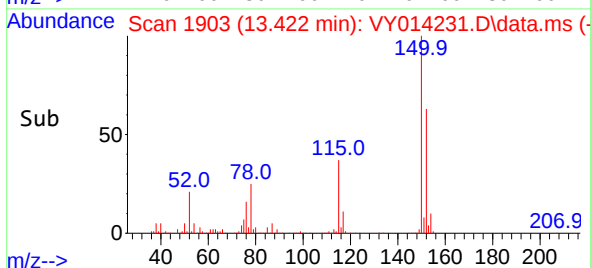
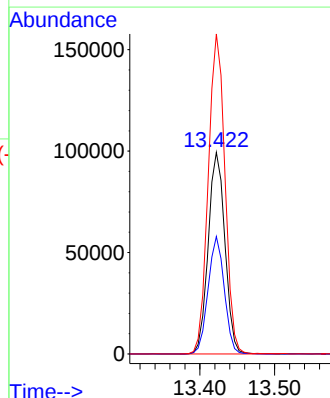
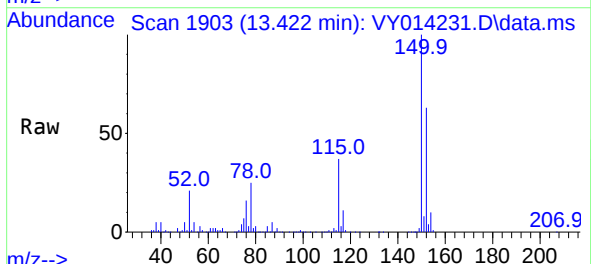
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

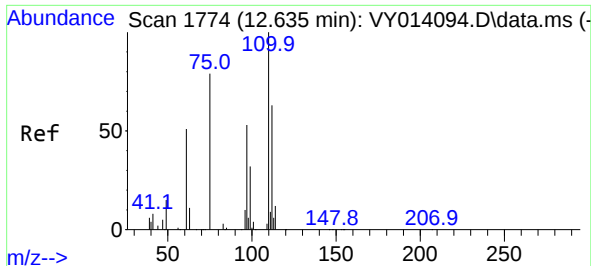
Tgt Ion:117 Resp: 291732
Ion Ratio Lower Upper
117 100
82 51.6 43.4 65.0
119 32.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

Tgt Ion:152 Resp: 154366
Ion Ratio Lower Upper
152 100
115 56.5 28.8 86.5
150 158.5 0.0 348.8

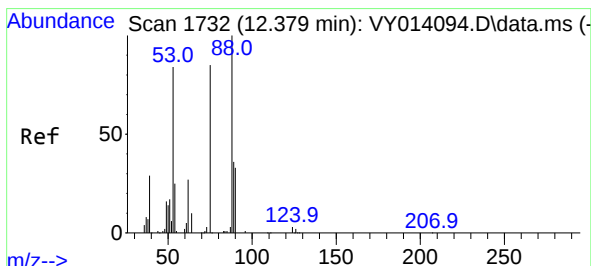
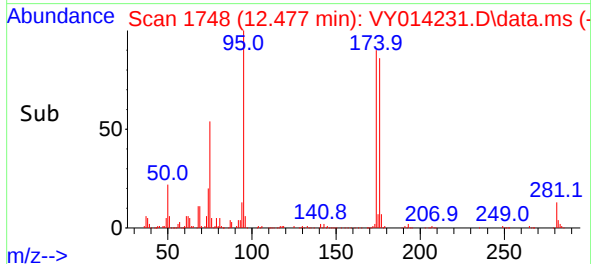
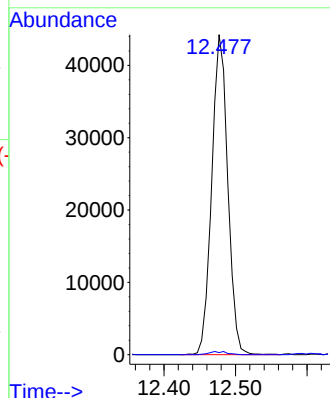
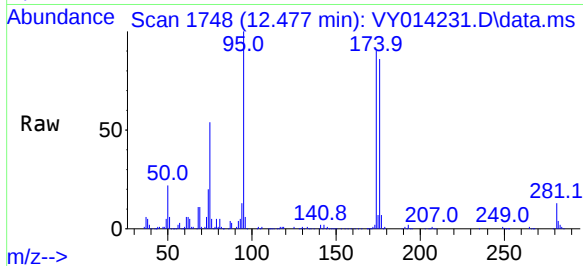




#76
1,2,3-Trichloropropane
Concen: 33.981 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

Tgt Ion: 75 Resp: 68819
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.453 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014231.D
Acq: 19 Jun 2023 16:32

Tgt Ion: 75 Resp: 68819
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#

