

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014809.D
 Acq On : 25 Jul 2023 18:08
 Operator : SY/MD
 Sample : 03737-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jul 26 01:21:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

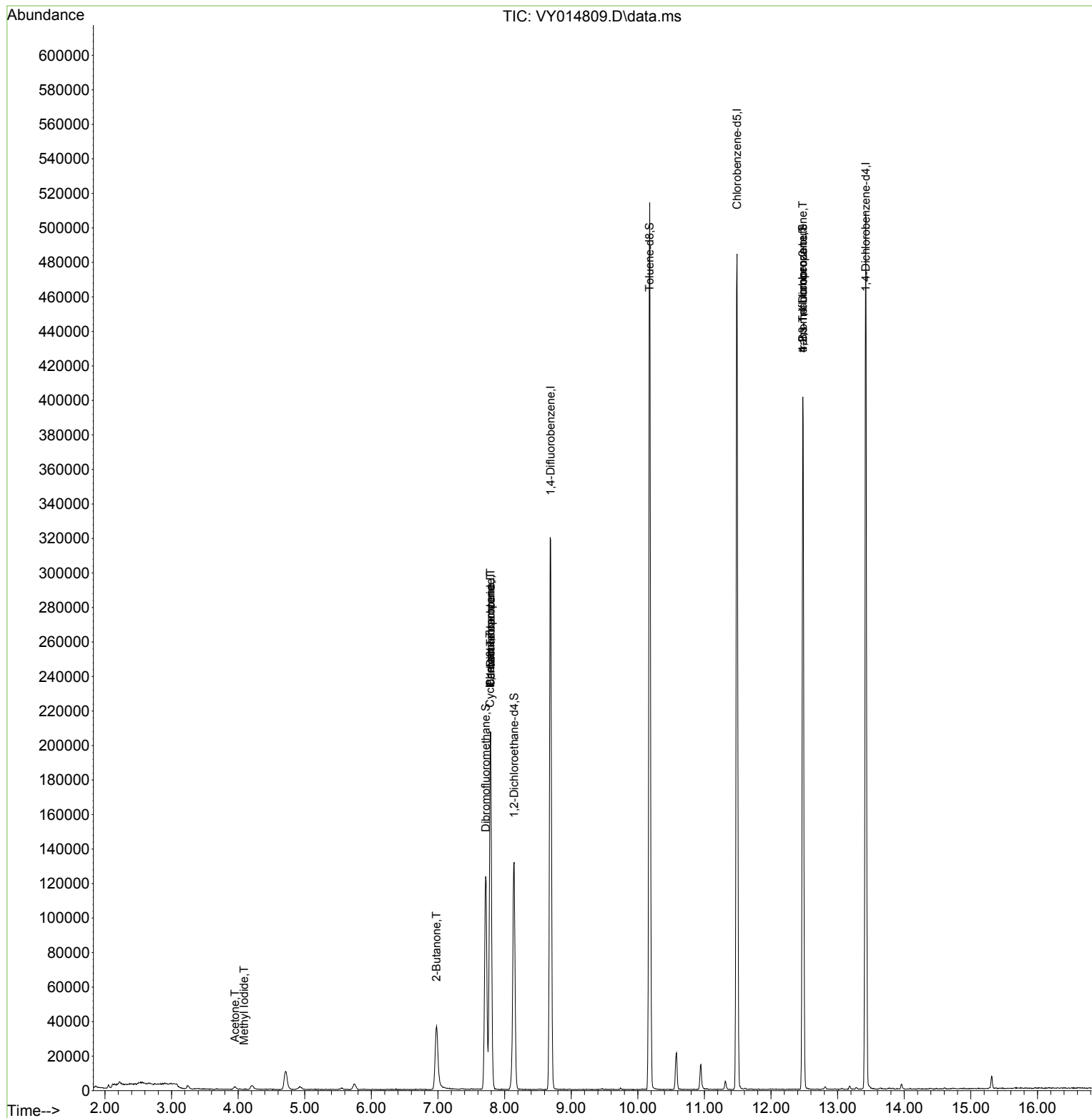
Internal Standards						
1) Pentafluorobenzene	7.789	168	159786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	269844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	101726	55.868	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.740%			
35) Dibromofluoromethane	7.716	113	88377	48.557	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.120%			
50) Toluene-d8	10.179	98	335493	49.998	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.000%			
62) 4-Bromofluorobenzene	12.477	95	123129	47.855	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.720%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	20	2.380	ug/l #	38
11) Tert butyl alcohol	4.923	59	1214	Below Cal	#	89
16) Acetone	3.954	43	2842	4.926	ug/l	91
25) 2-Butanone	6.978	43	2335	2.766	ug/l #	49
31) Cyclohexane	7.783	56	3501	1.158	ug/l #	2
36) 1,1-Dichloropropene	7.789	75	12767	4.691	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16049	5.578	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	65448	40.120	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65448	77.680	ug/l #	11

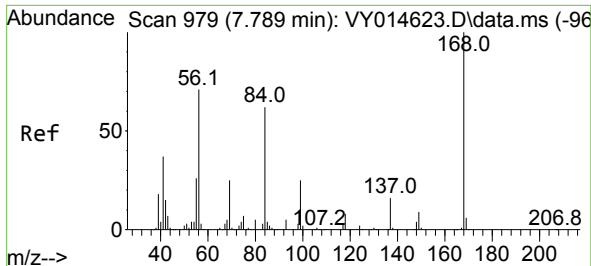
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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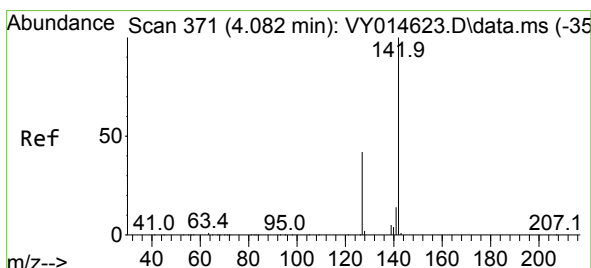
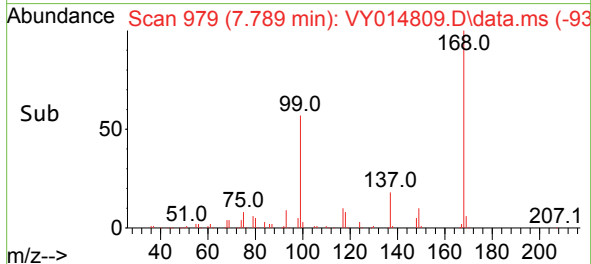
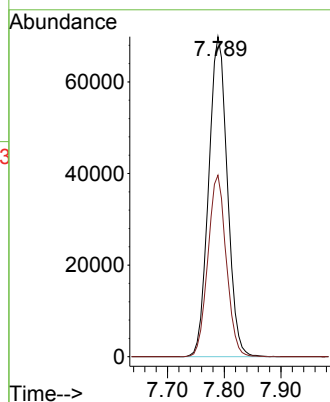
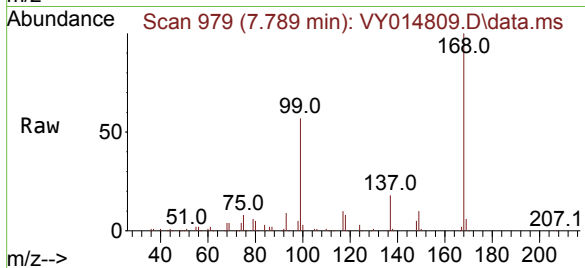




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

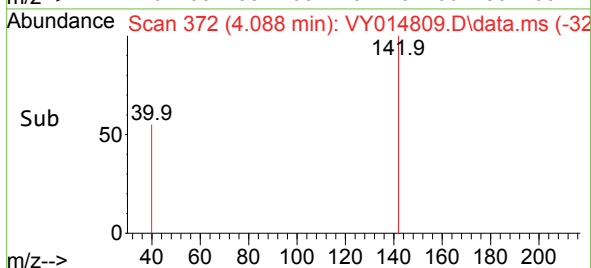
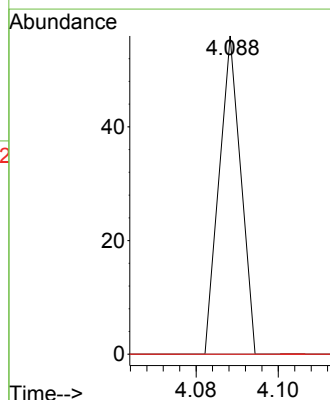
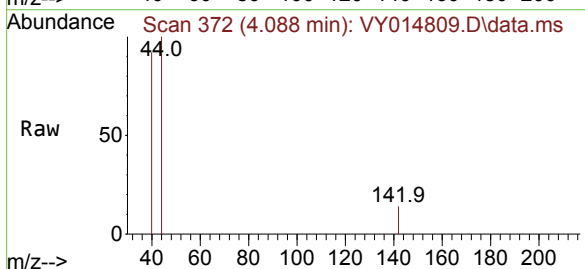
Instrument :
MSVOA_Y
ClientSampleId :
VOC

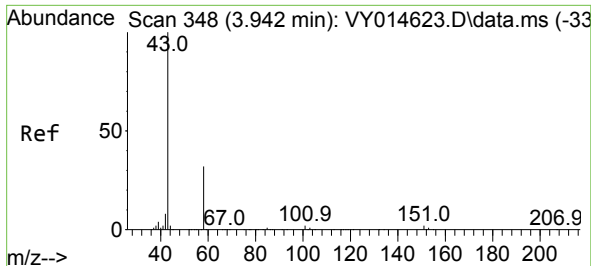
Tgt Ion:168 Resp: 159786
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#10
Methyl Iodide
Concen: 2.380 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

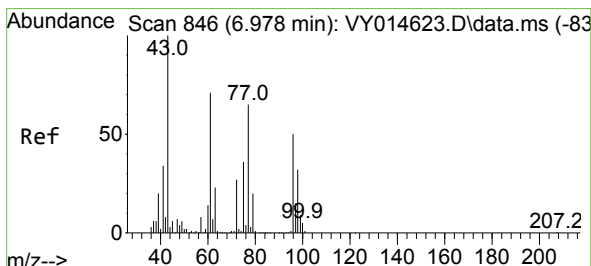
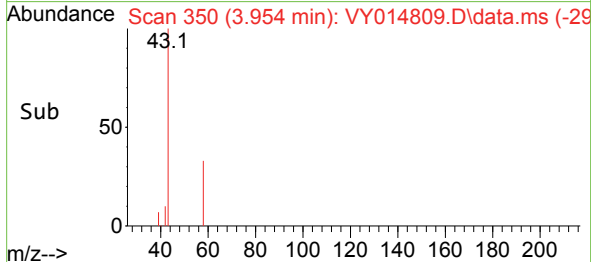
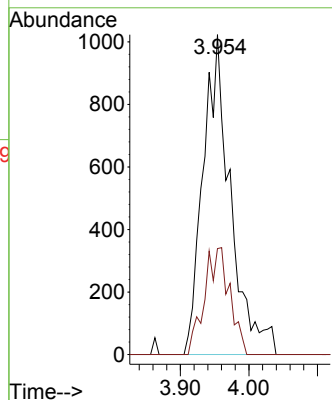
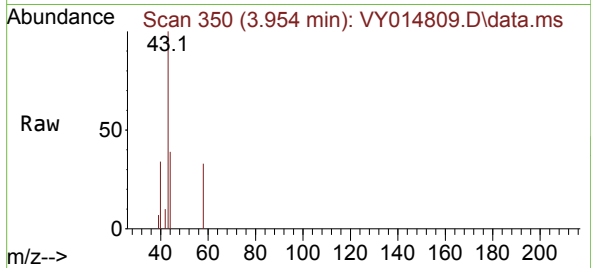




#16
Acetone
Concen: 4.926 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

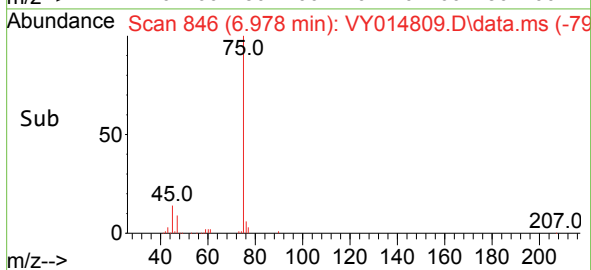
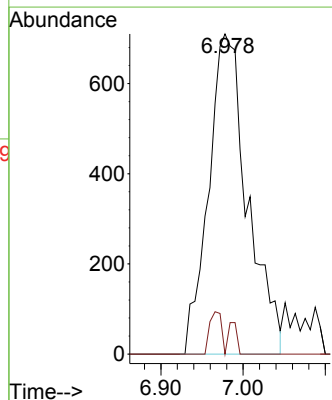
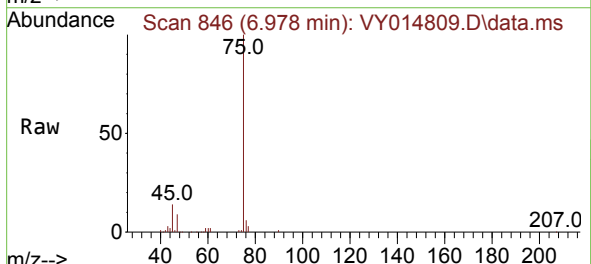
Instrument :
MSVOA_Y
ClientSampleId :
VOC

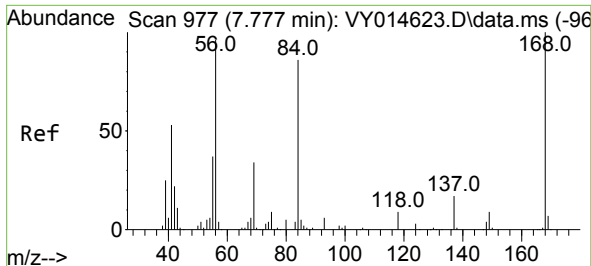
Tgt Ion: 43 Resp: 2842
Ion Ratio Lower Upper
43 100
58 33.1 22.7 34.1



#25
2-Butanone
Concen: 2.766 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

Tgt Ion: 43 Resp: 2335
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

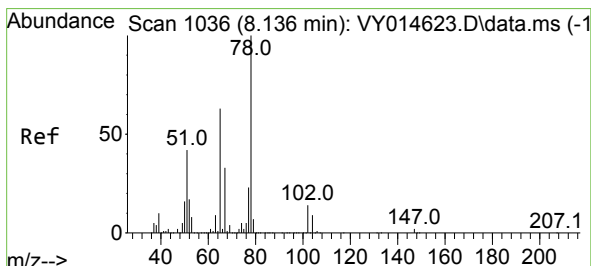
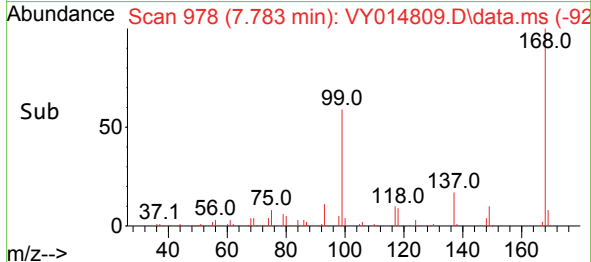
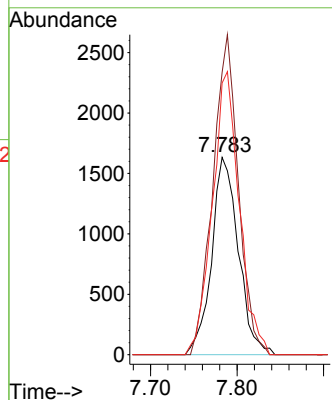
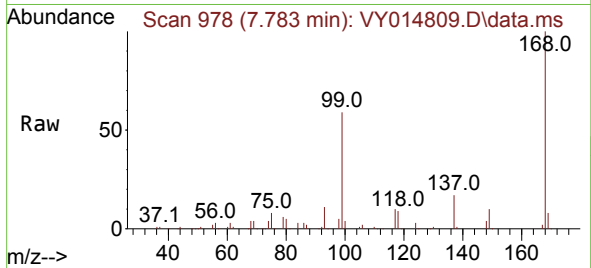




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

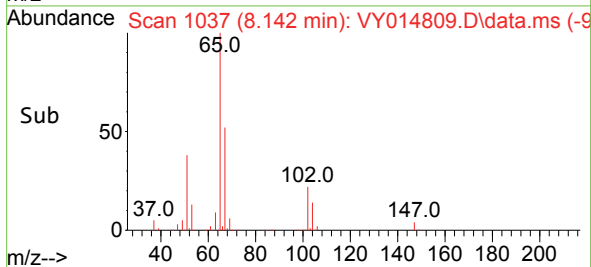
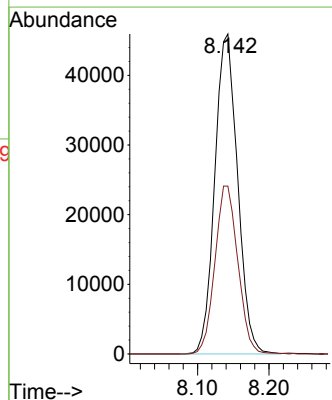
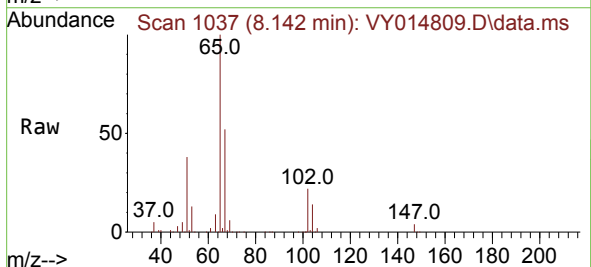
Instrument :
MSVOA_Y
ClientSampleId :
VOC

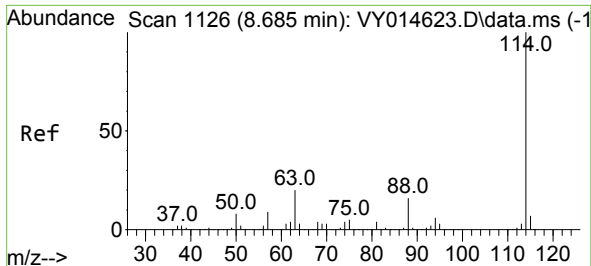
Tgt Ion: 56 Resp: 3501
Ion Ratio Lower Upper
56 100
69 143.0 27.8 41.6#
84 137.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.868 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

Tgt Ion: 65 Resp: 101726
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8

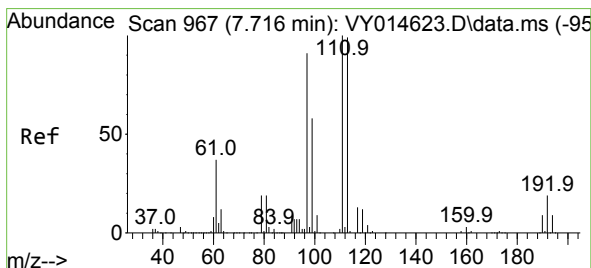
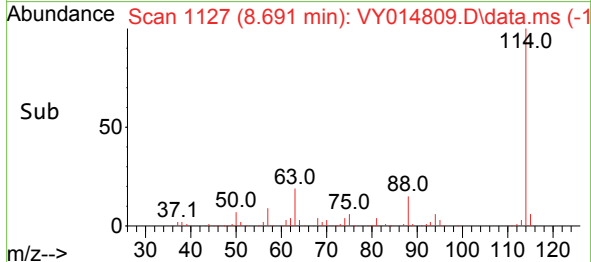
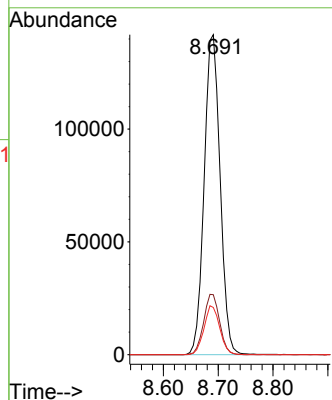
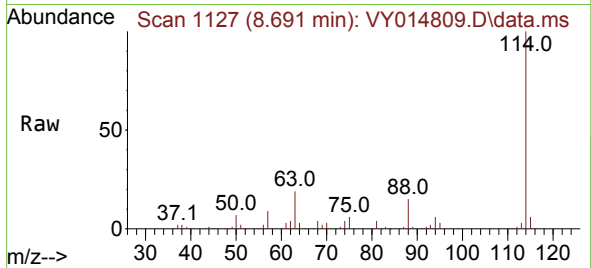




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

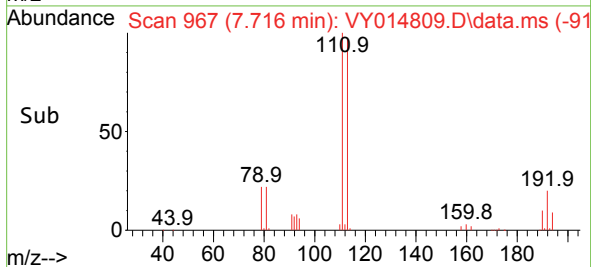
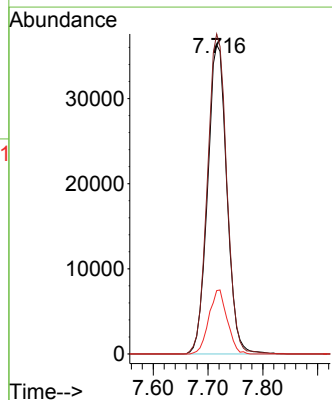
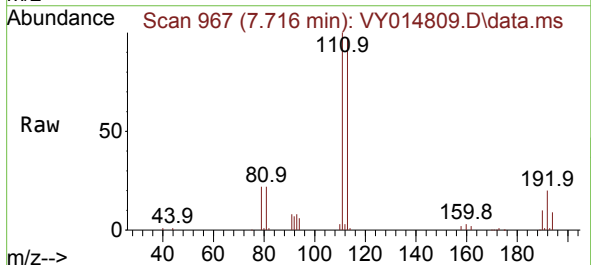
Instrument :
MSVOA_Y
ClientSampleId :
VOC

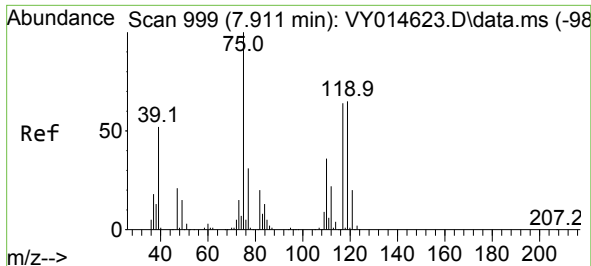
Tgt Ion:114 Resp: 285914
Ion Ratio Lower Upper
114 100
63 18.7 0.0 42.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.557 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

Tgt Ion:113 Resp: 88377
Ion Ratio Lower Upper
113 100
111 103.8 81.3 121.9
192 19.7 16.9 25.3

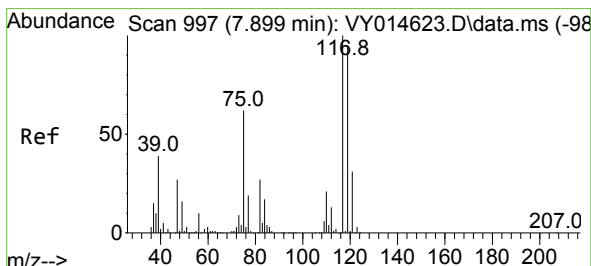
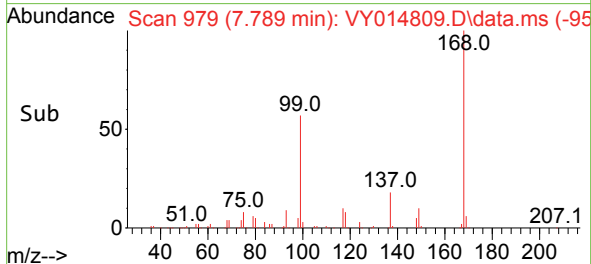
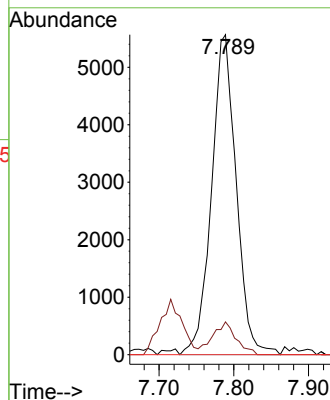
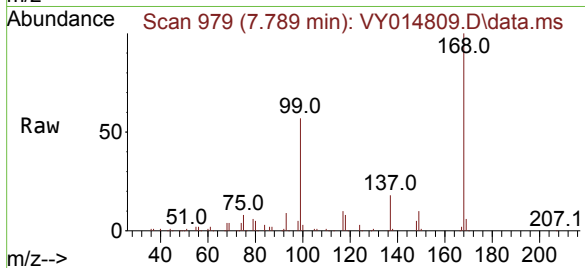




#36
1,1-Dichloropropene
Concen: 4.691 ug/l
RT: 7.789 min Scan# 919
Delta R.T. -0.122 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

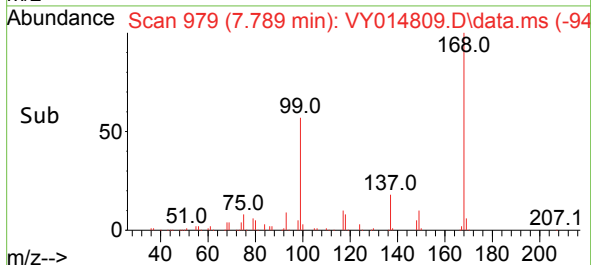
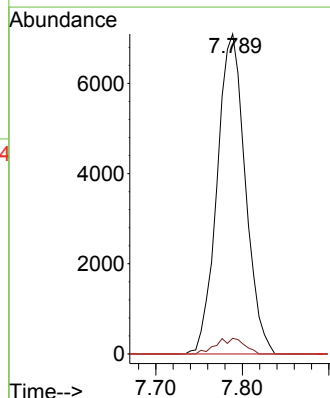
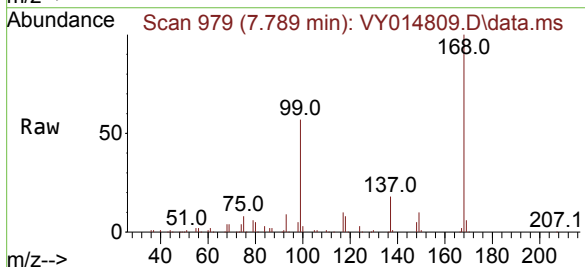
Instrument :
MSVOA_Y
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VOC

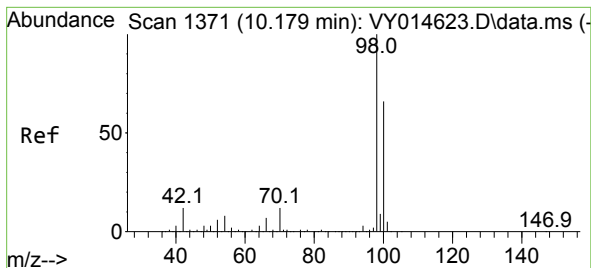
Tgt Ion: 75 Resp: 12767
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.578 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

Tgt Ion: 117 Resp: 16049
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#

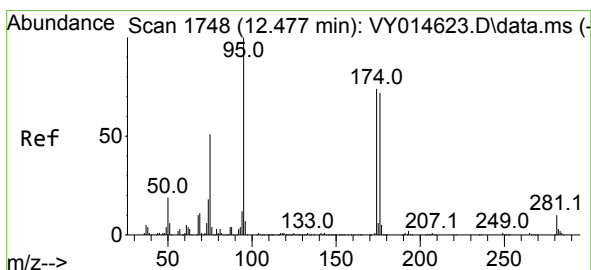
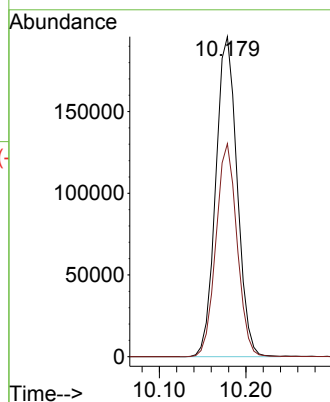
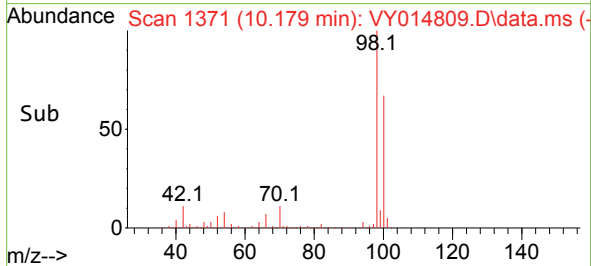
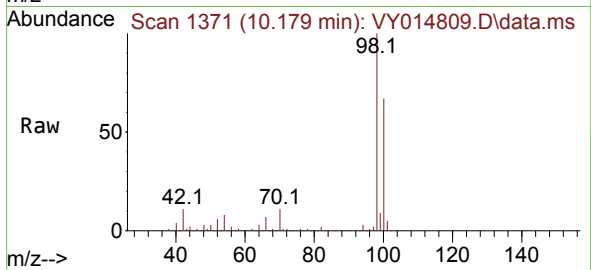




#50
Toluene-d8
Concen: 49.998 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

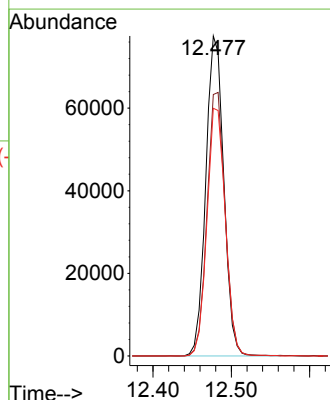
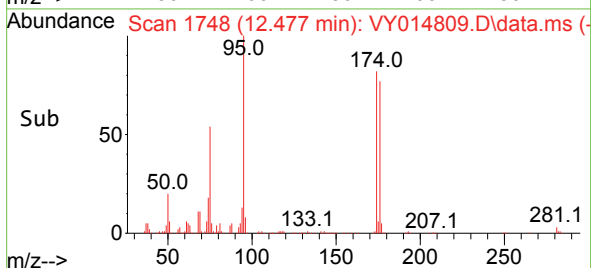
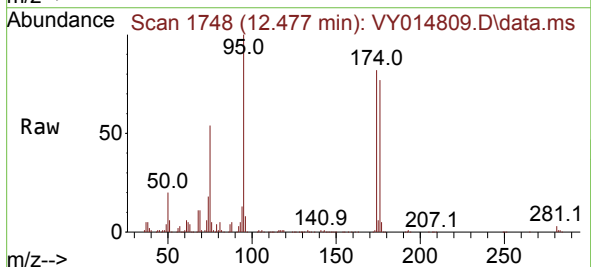
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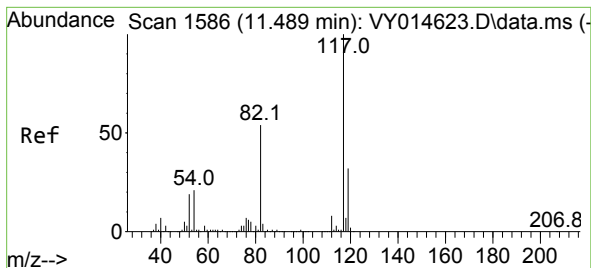
Tgt Ion: 98 Resp: 335493
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.855 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

Tgt Ion: 95 Resp: 123129
Ion Ratio Lower Upper
95 100
174 83.0 0.0 178.2
176 79.1 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: VY014809.D

Acq: 25 Jul 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

VOC

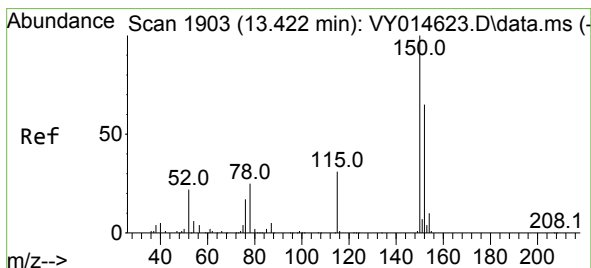
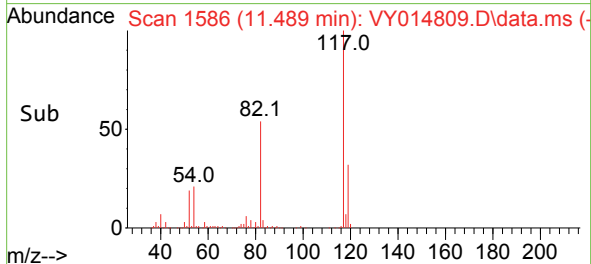
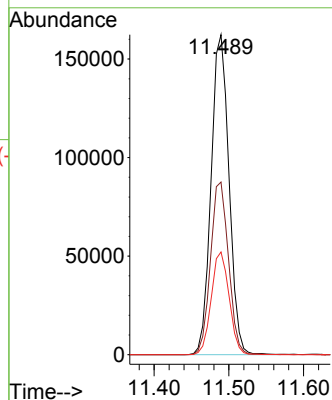
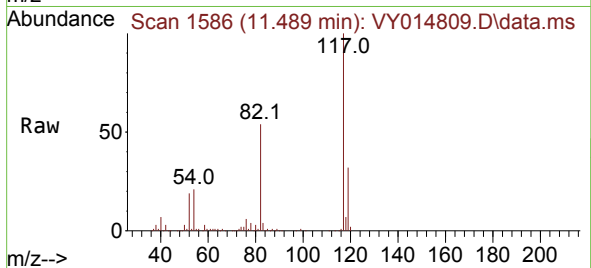
Tgt Ion:117 Resp: 269844

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014809.D

Acq: 25 Jul 2023 18:08

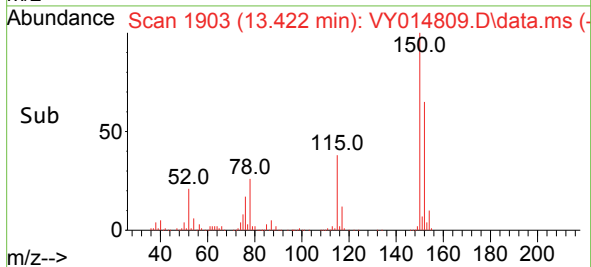
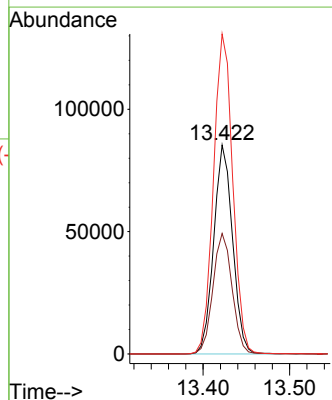
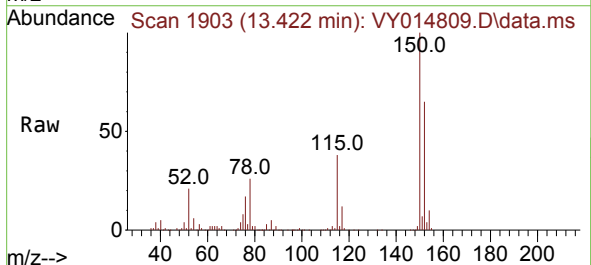
Tgt Ion:152 Resp: 129164

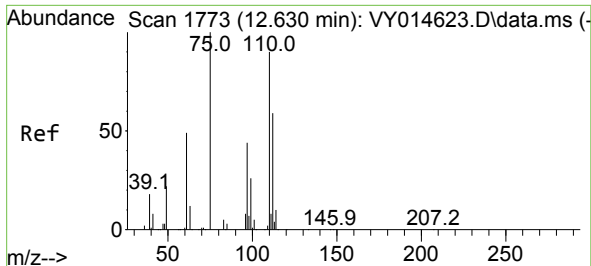
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 156.2 0.0 348.8

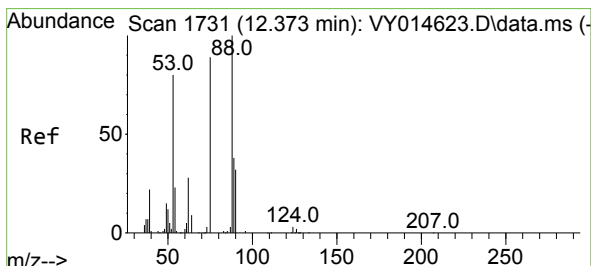
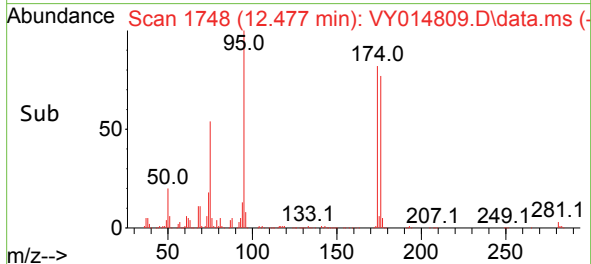
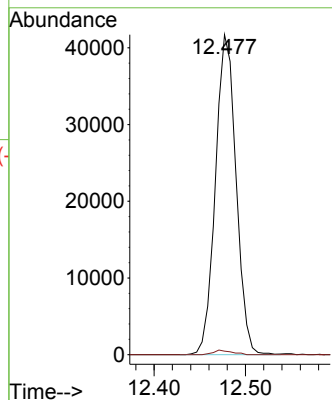
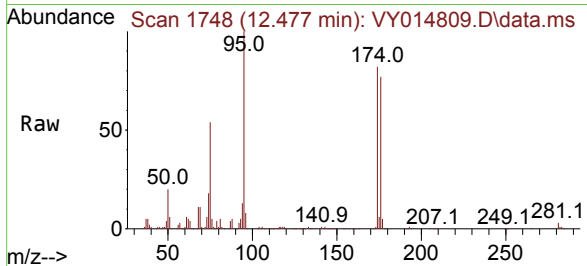




#76
1,2,3-Trichloropropane
Concen: 40.120 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 65448
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.680 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014809.D
Acq: 25 Jul 2023 18:08

Tgt Ion: 75 Resp: 65448
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

