

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014740.D
 Acq On : 21 Jul 2023 12:34
 Operator : SY/MD
 Sample : 03660-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jul 22 05:35:06 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)

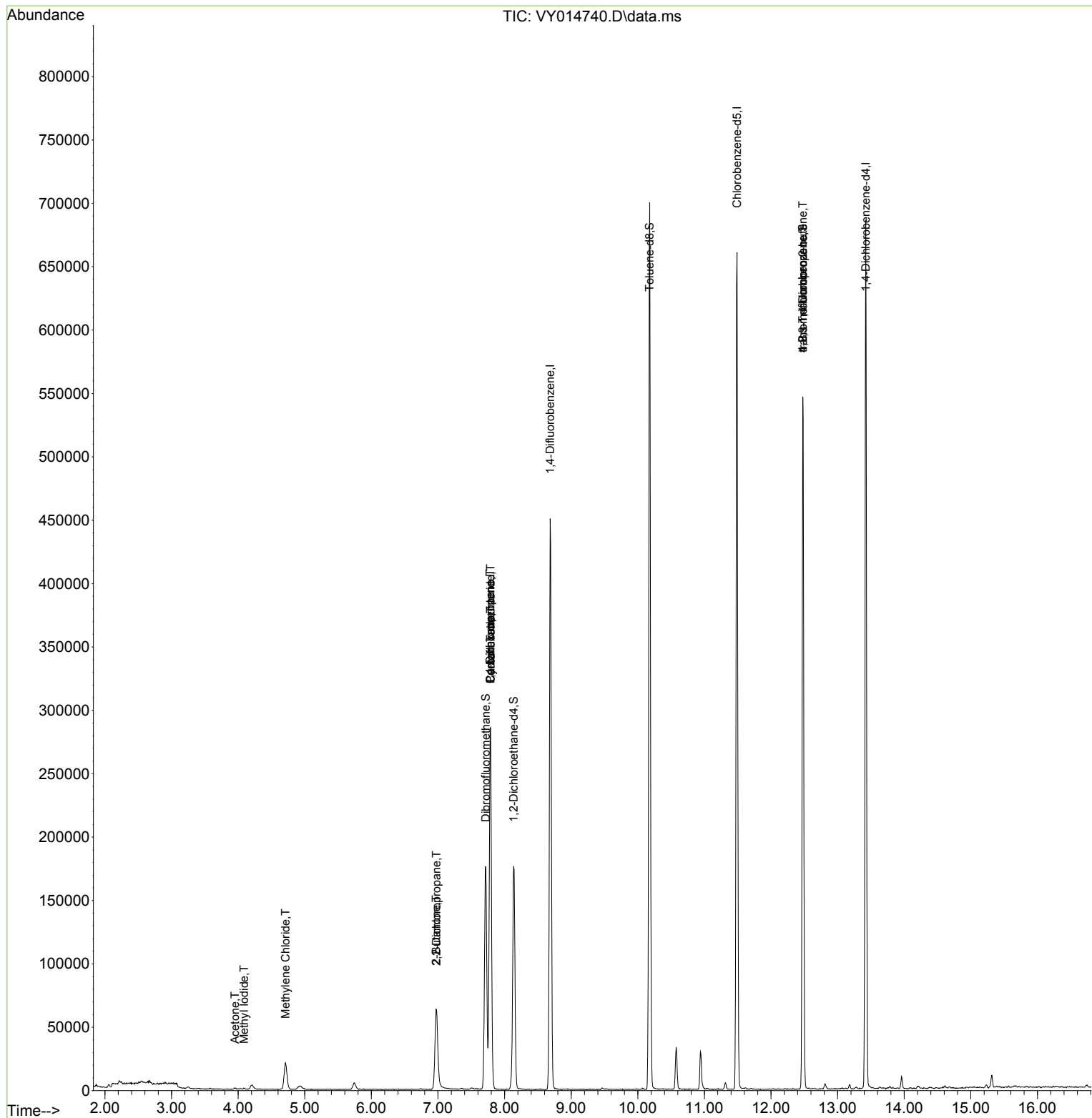
Internal Standards						
1) Pentafluorobenzene	7.789	168	226858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	391599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	366904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	140612	54.393	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.780%	
35) Dibromofluoromethane	7.716	113	125790	50.461	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.920%	
50) Toluene-d8	10.179	98	462773	50.353	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	12.477	95	173631	49.271	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.540%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	1311	2.862	ug/l #	82
11) Tert butyl alcohol	4.924	59	3890	Below Cal	#	92
16) Acetone	3.954	43	1494	1.824	ug/l #	89
20) Methylene Chloride	4.710	84	15429	1.720	ug/l	90
25) 2-Butanone	6.972	43	3743	3.123	ug/l #	73
26) 2,2-Dichloropropane	6.978	77	4896	1.113	ug/l #	54
31) Cyclohexane	7.789	56	4824	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17839	4.785	ug/l #	50
38) Carbon Tetrachloride	7.789	117	22411	5.687	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	90078	41.905	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	90078	81.136	ug/l #	10

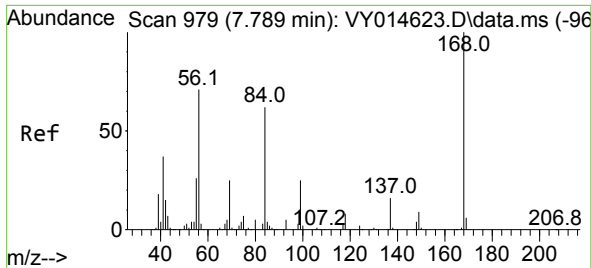
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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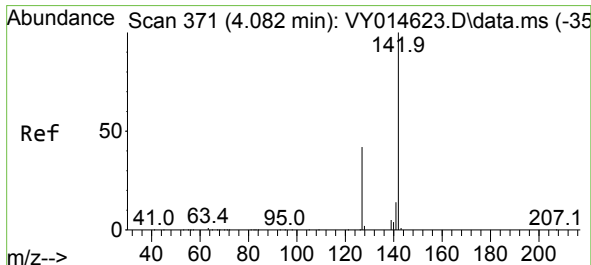
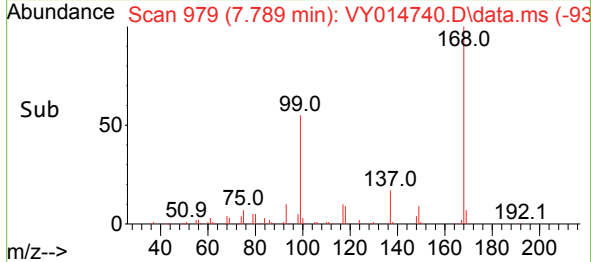
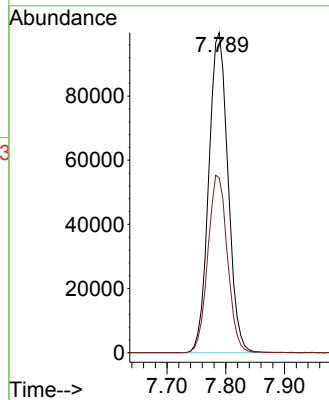
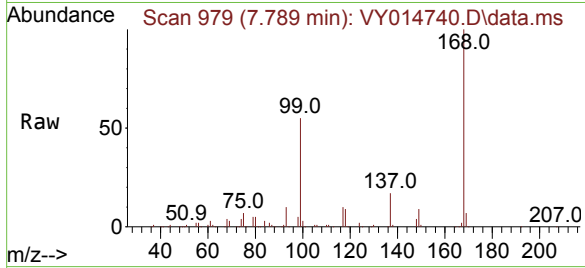




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

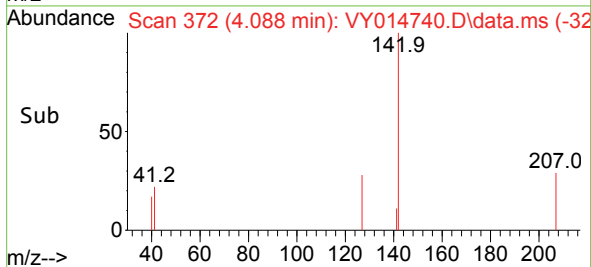
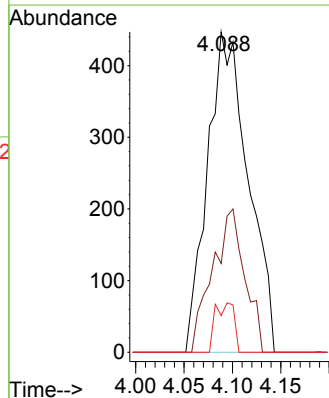
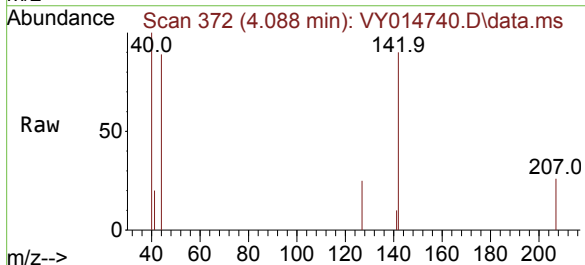
Instrument :
MSVOA_Y
ClientSampleId :
VOC

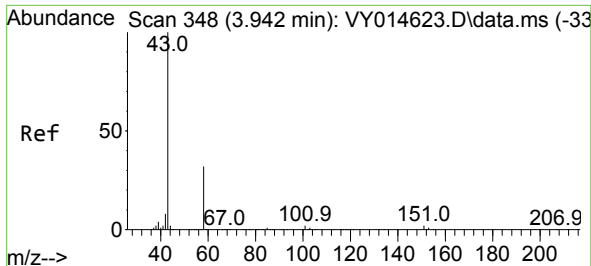
Tgt Ion:168 Resp: 226858
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#10
Methyl Iodide
Concen: 2.862 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

Tgt Ion:142 Resp: 1311
Ion Ratio Lower Upper
142 100
127 35.5 37.6 56.4#
141 7.1 11.8 17.8#





#16

Acetone

Concen: 1.824 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY014740.D

Acq: 21 Jul 2023 12:34

Instrument :

MSVOA_Y

ClientSampleId :

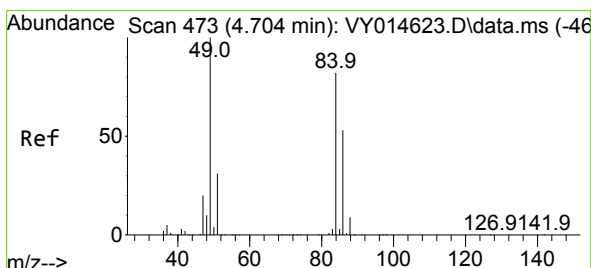
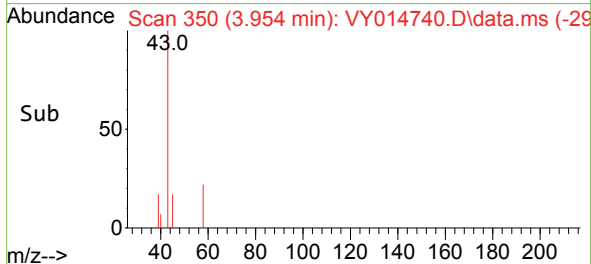
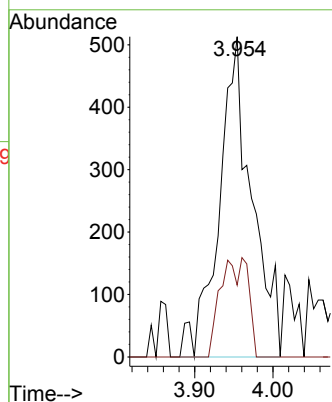
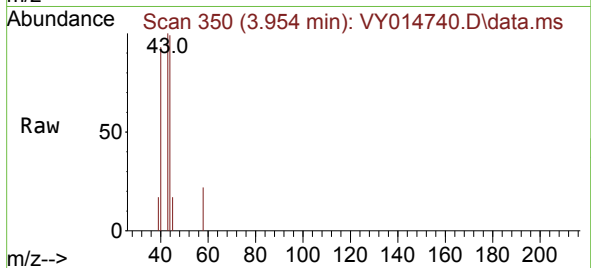
VOC

Tgt Ion: 43 Resp: 1494

Ion Ratio Lower Upper

43 100

58 22.4 22.7 34.1#



#20

Methylene Chloride

Concen: 1.720 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014740.D

Acq: 21 Jul 2023 12:34

Tgt Ion: 84 Resp: 15429

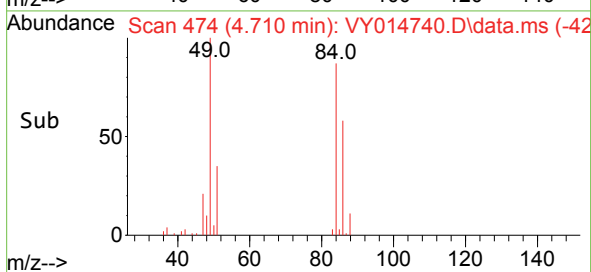
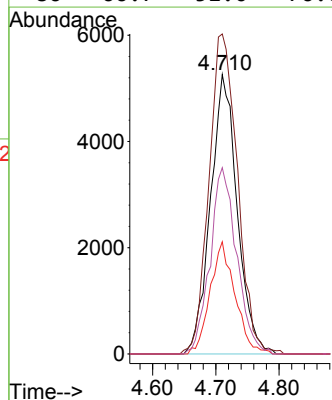
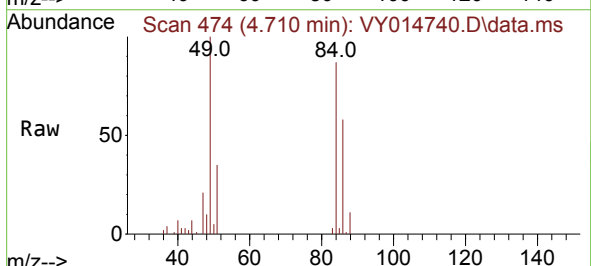
Ion Ratio Lower Upper

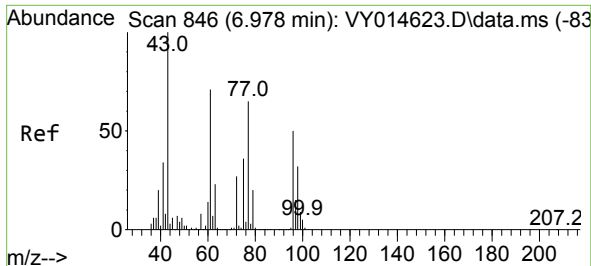
84 100

49 114.5 106.9 160.3

51 40.1 33.2 49.8

86 66.7 51.0 76.6

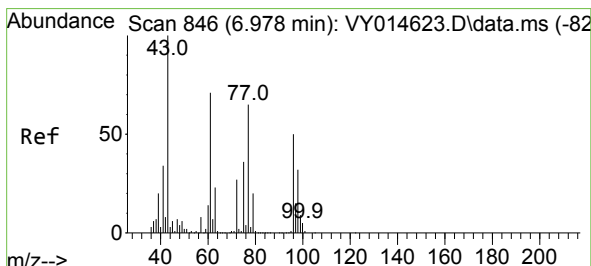
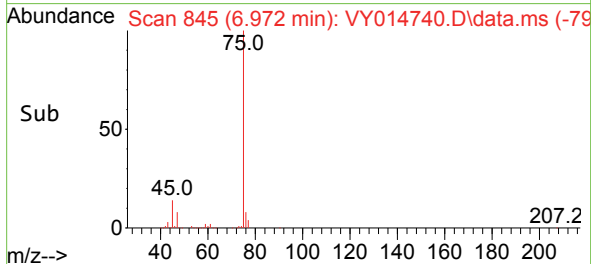
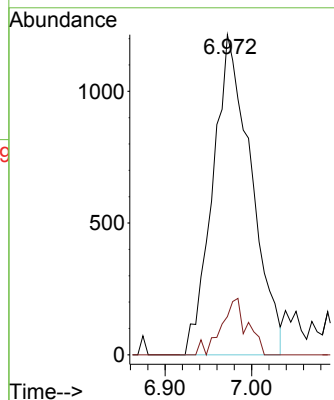
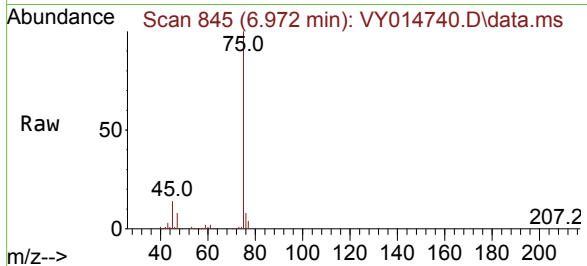




#25
2-Butanone
Concen: 3.123 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

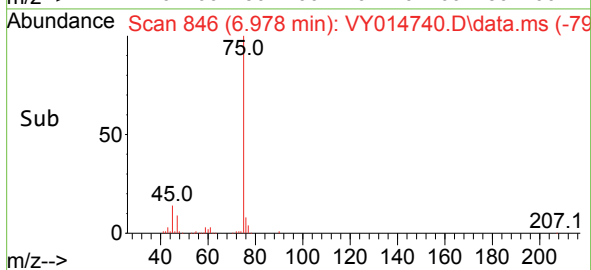
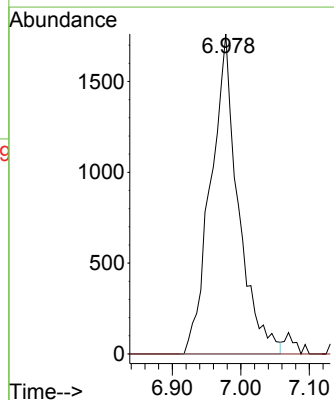
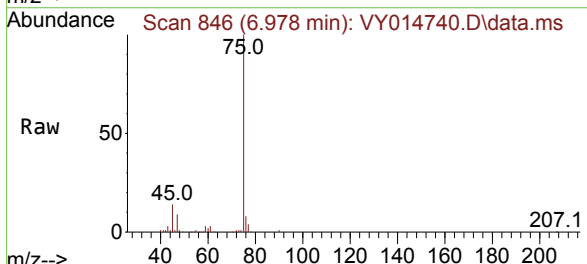
Instrument :
MSVOA_Y
ClientSampleId :
VOC

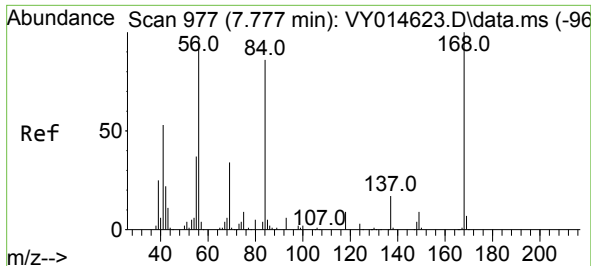
Tgt Ion: 43 Resp: 3743
Ion Ratio Lower Upper
43 100
72 11.9 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.113 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

Tgt Ion: 77 Resp: 4896
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

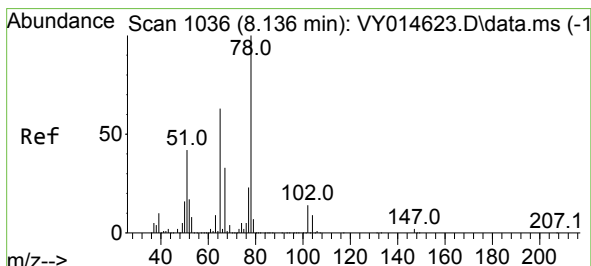
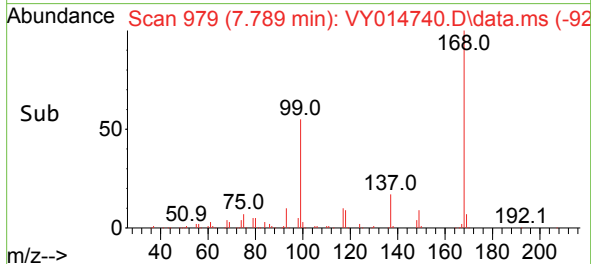
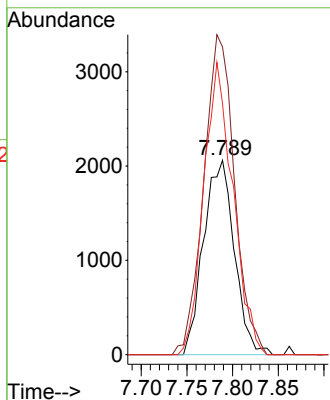
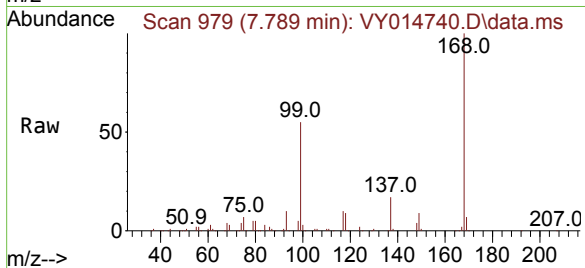




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

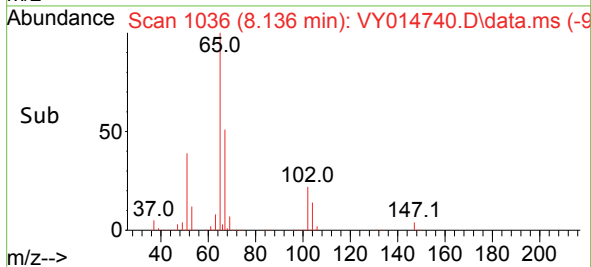
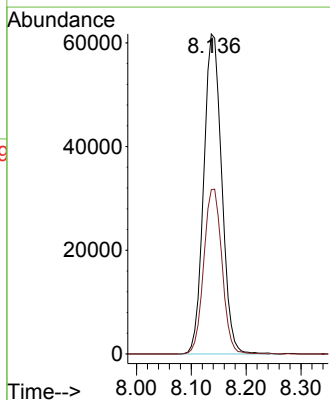
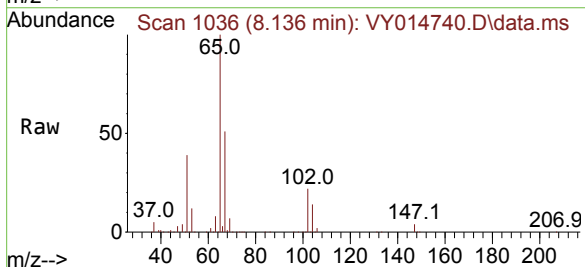
Instrument :
MSVOA_Y
ClientSampleId :
VOC

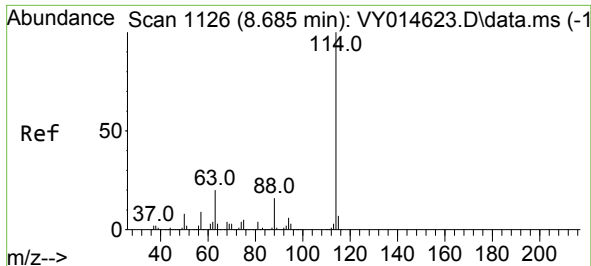
Tgt Ion: 56 Resp: 4824
Ion Ratio Lower Upper
56 100
69 158.3 27.8 41.6#
84 129.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.393 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

Tgt Ion: 65 Resp: 140612
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8

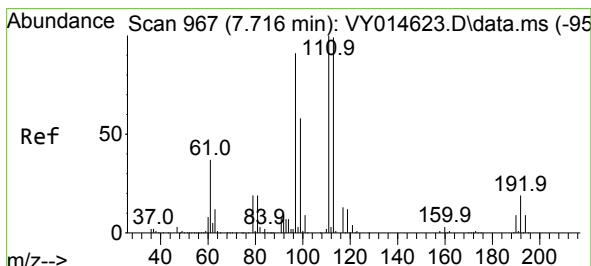
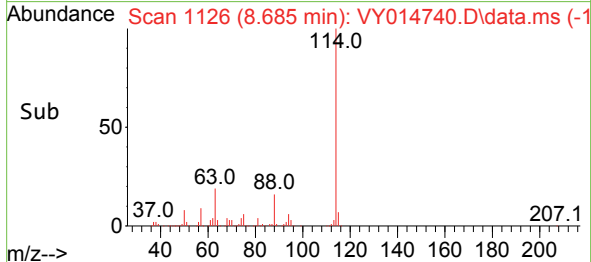
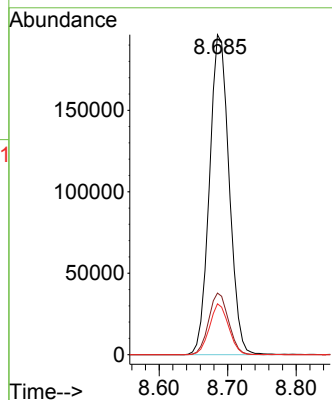
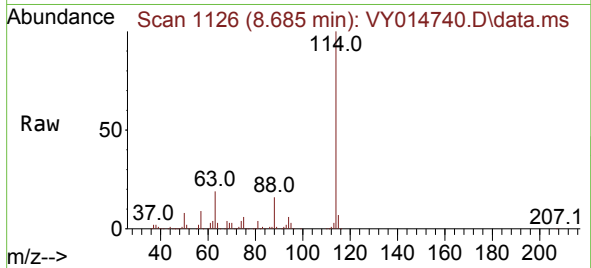




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

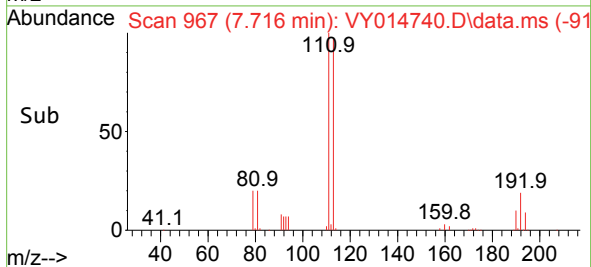
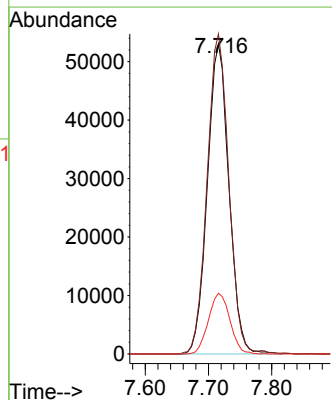
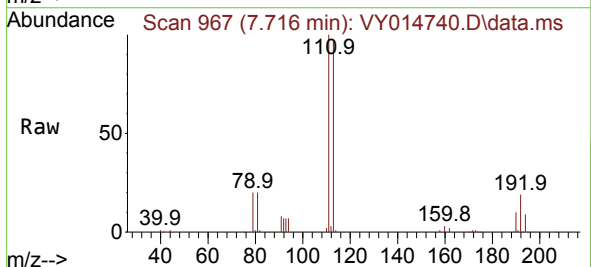
Instrument :
MSVOA_Y
ClientSampleId :
VOC

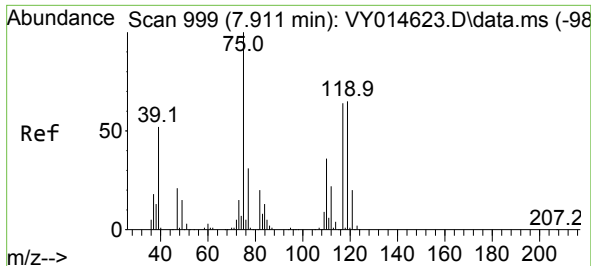
Tgt Ion:114 Resp: 391599
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.4
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.461 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

Tgt Ion:113 Resp: 125790
Ion Ratio Lower Upper
113 100
111 104.0 81.3 121.9
192 19.5 16.9 25.3

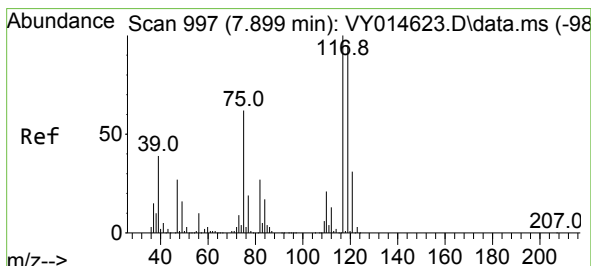
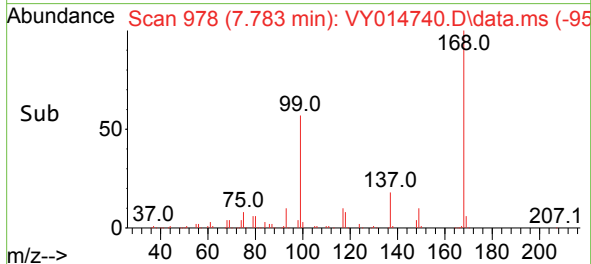
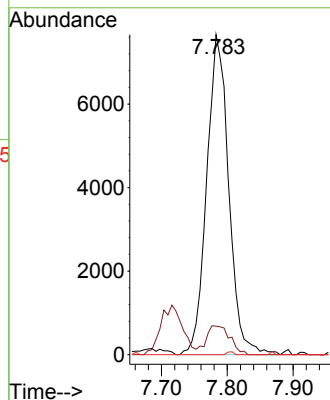
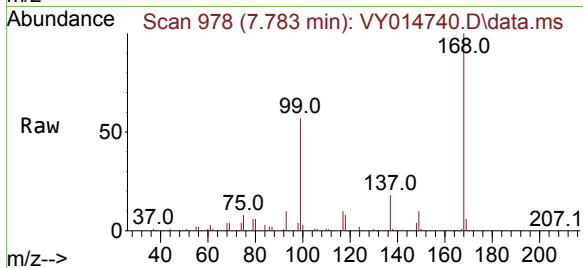




#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

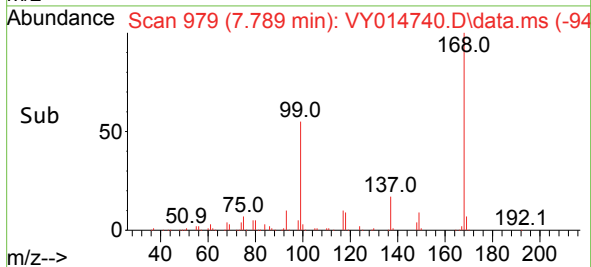
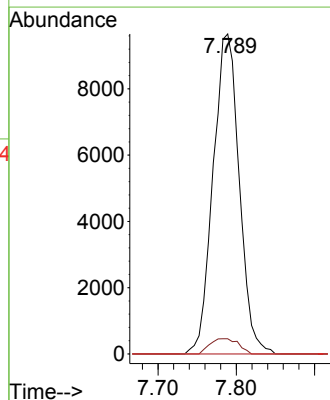
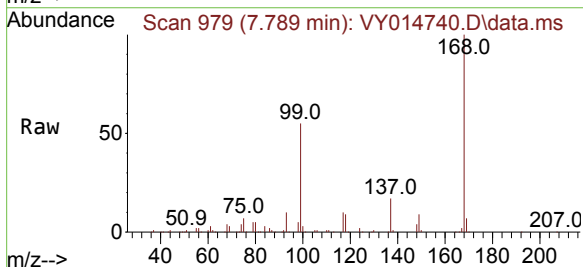
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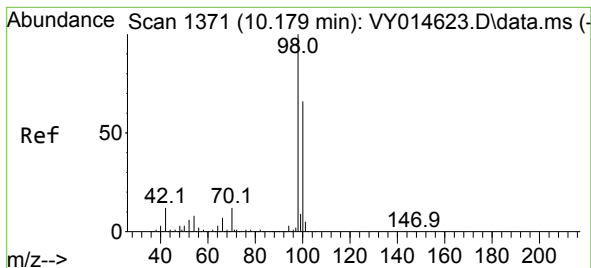
Tgt Ion: 75 Resp: 17839
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.687 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

Tgt Ion: 117 Resp: 22411
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.353 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014740.D

Acq: 21 Jul 2023 12:34

Instrument :

MSVOA_Y

ClientSampleId :

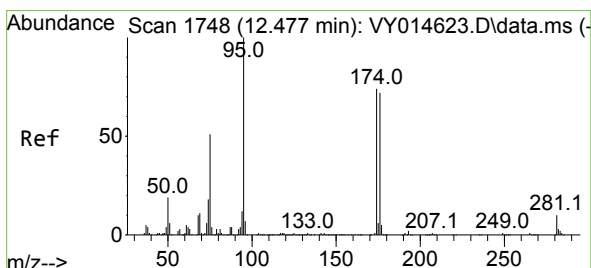
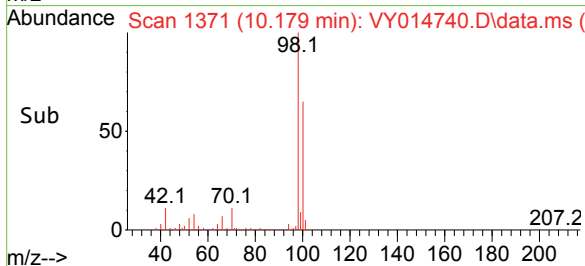
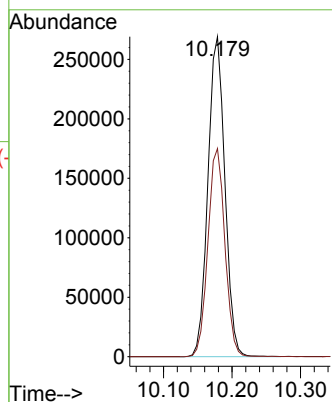
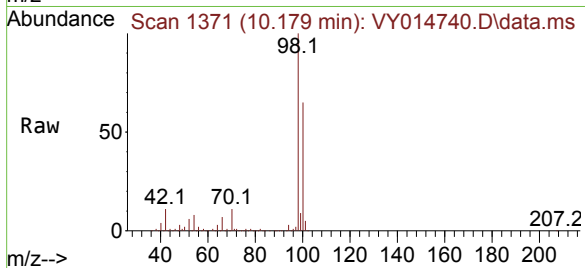
VOC

Tgt Ion: 98 Resp: 462773

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.271 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014740.D

Acq: 21 Jul 2023 12:34

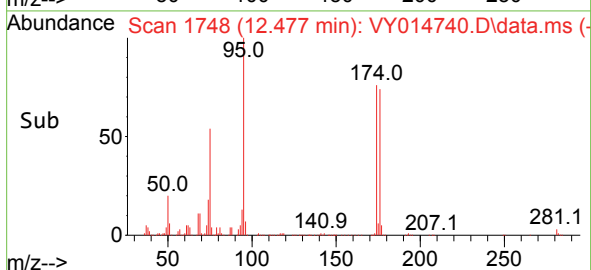
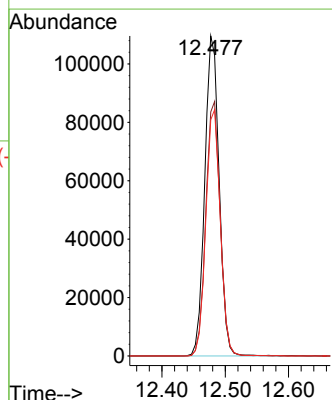
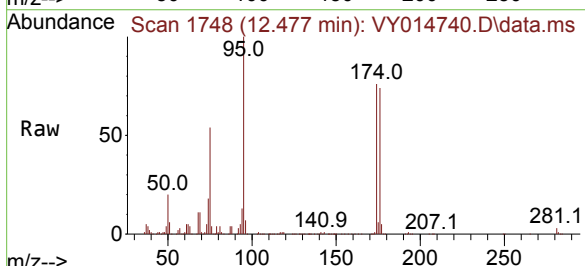
Tgt Ion: 95 Resp: 173631

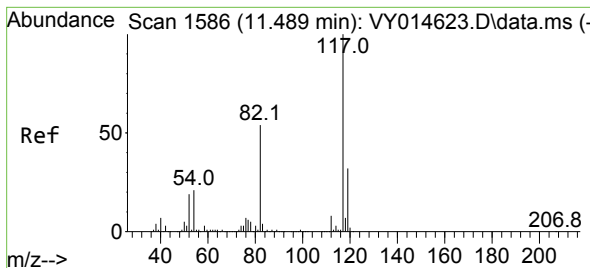
Ion Ratio Lower Upper

95 100

174 79.7 0.0 178.2

176 77.3 0.0 173.8

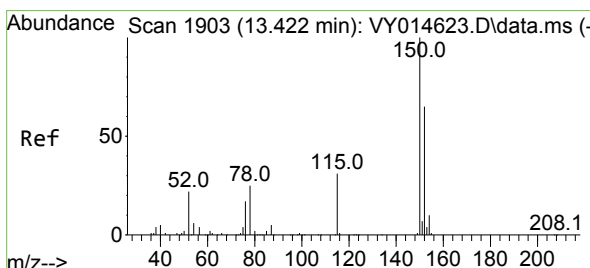
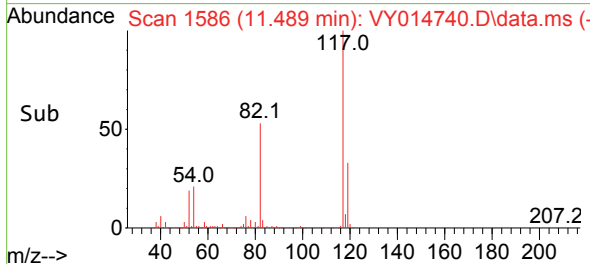
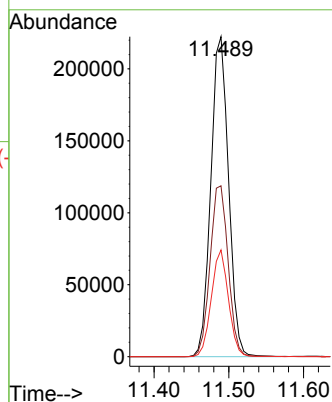
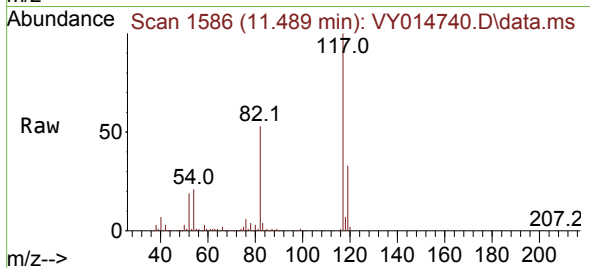




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

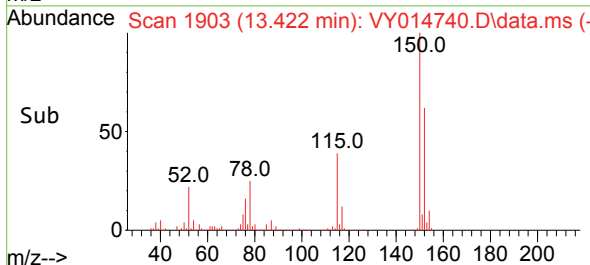
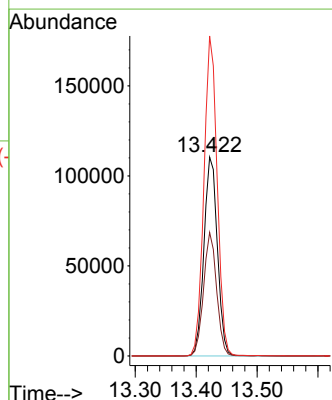
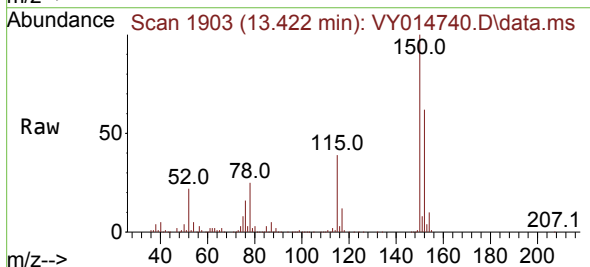
Instrument :
MSVOA_Y
ClientSampleId :
VOC

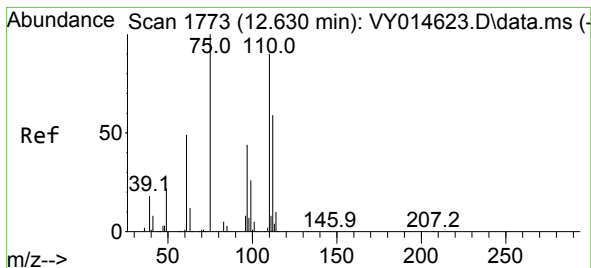
Tgt Ion:117 Resp: 366904
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 33.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

Tgt Ion:152 Resp: 170199
Ion Ratio Lower Upper
152 100
115 60.3 28.8 86.5
150 158.2 0.0 348.8

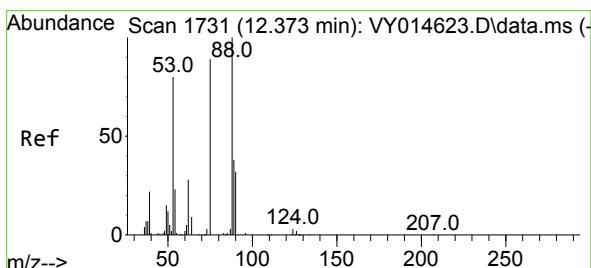
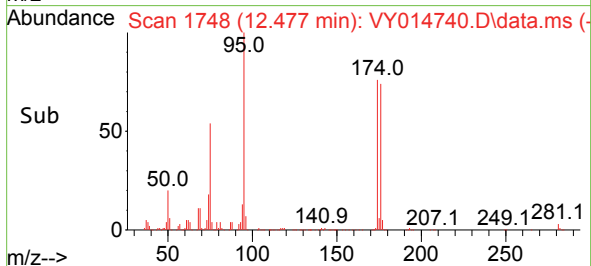
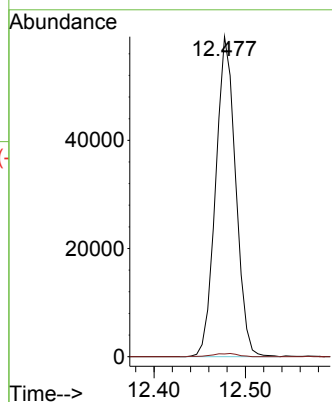
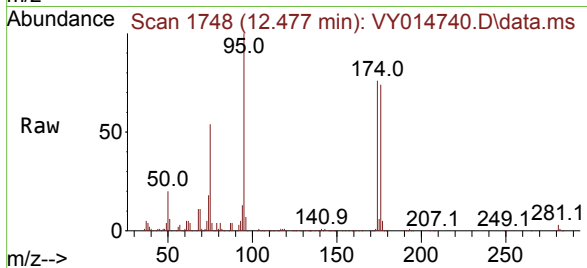




#76
1,2,3-Trichloropropane
Concen: 41.905 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 90078
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.136 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014740.D
Acq: 21 Jul 2023 12:34

Tgt Ion: 75 Resp: 90078
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

