

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014672.D
 Acq On : 17 Jul 2023 15:08
 Operator : SY/MD
 Sample : 03580-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SAMPLE-2

Quant Time: Jul 18 06:10:12 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)

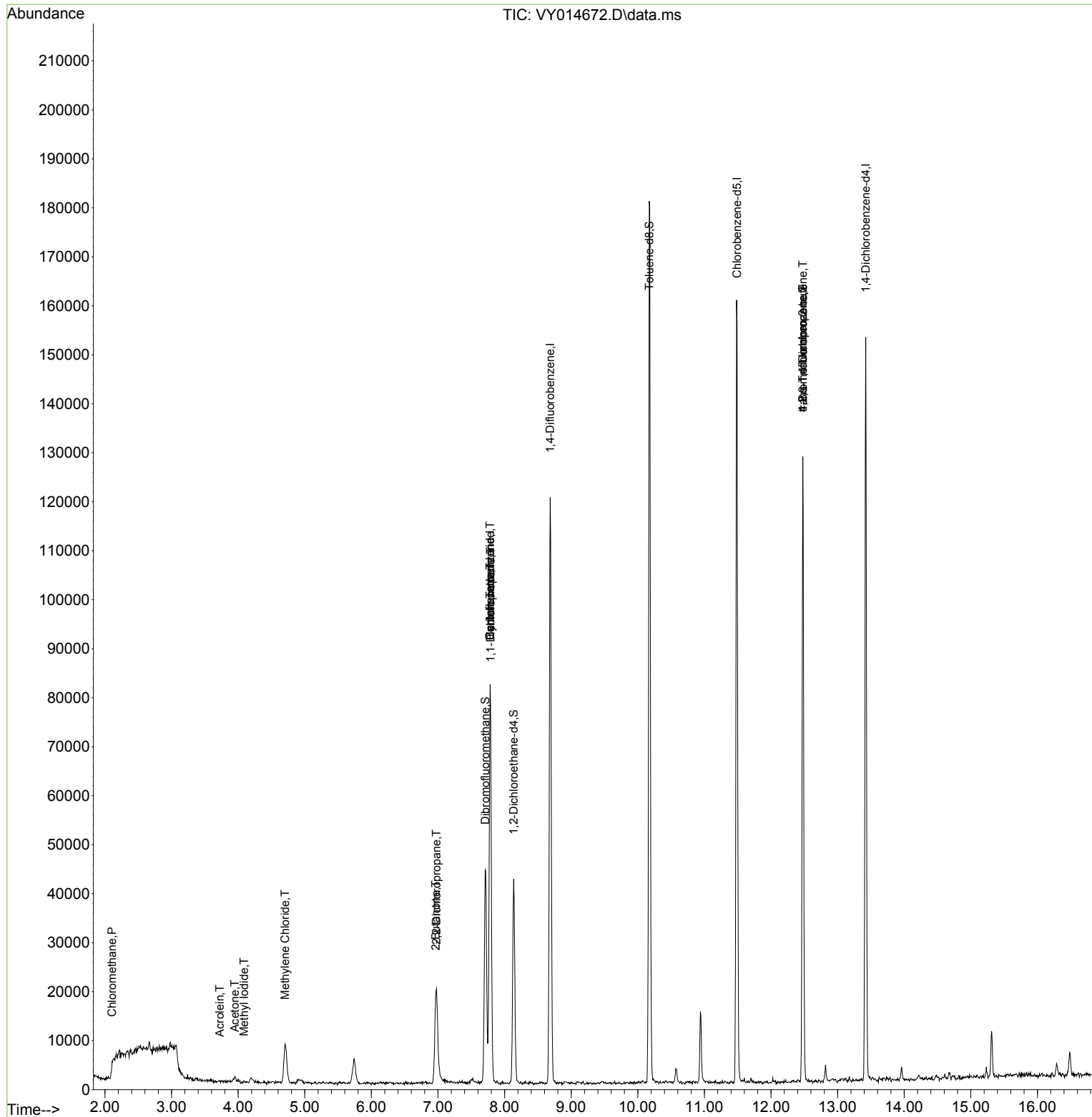
Internal Standards						
1) Pentafluorobenzene	7.783	168	62716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	104030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	89227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	38761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	31901	44.637	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.280%		
35) Dibromofluoromethane	7.710	113	31021	46.843	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.680%		
50) Toluene-d8	10.173	98	120195	49.230	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.460%		
62) 4-Bromofluorobenzene	12.477	95	39783	42.496	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.000%		
Target Compounds			Qvalue			
3) Chloromethane	2.107	50	581	1.012	ug/l	92
10) Methyl Iodide	4.088	142	337	2.828	ug/l #	46
11) Tert butyl alcohol	4.917	59	471	Below Cal	#	89
13) Acrolein	3.723	56	116	1.553	ug/l #	42
16) Acetone	3.948	43	1638	7.233	ug/l #	71
20) Methylene Chloride	4.704	84	6154	4.524	ug/l	86
25) 2-Butanone	6.966	43	1651	4.983	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	1581	1.300	ug/l #	54
31) Cyclohexane	7.783	56	1458	1.229	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	4911	4.959	ug/l #	50
38) Carbon Tetrachloride	7.783	117	6080	5.808	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	20212	41.288	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	20212	79.940	ug/l #	11

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

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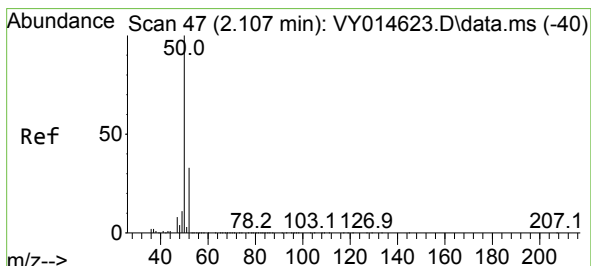
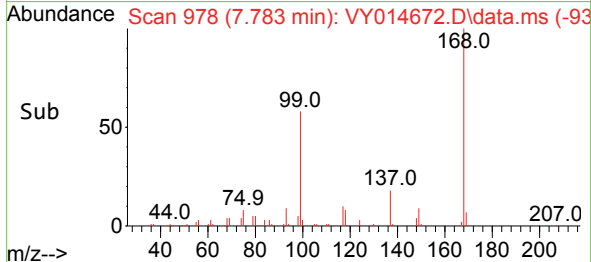
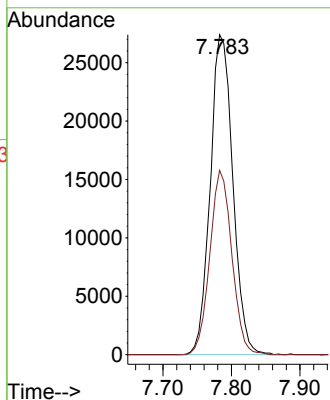
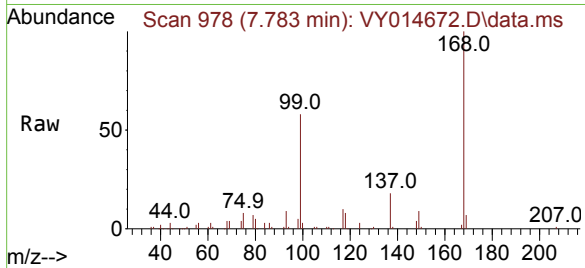




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

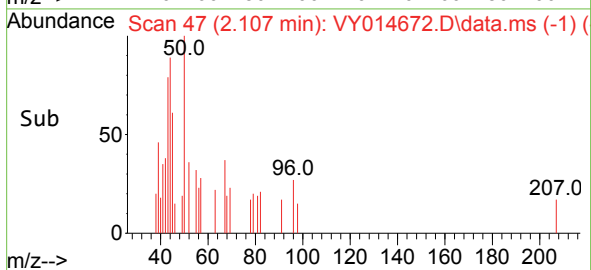
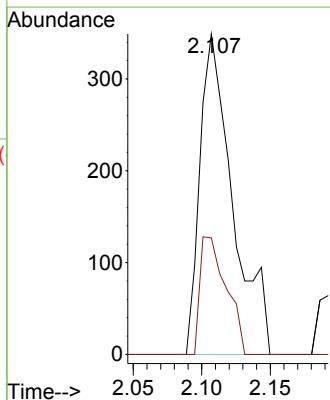
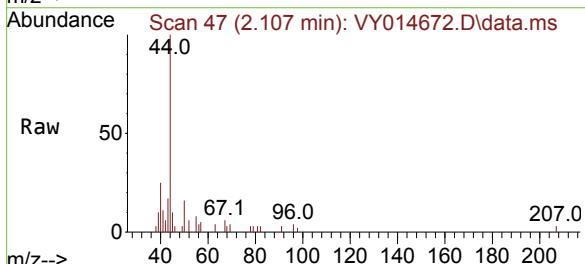
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-2

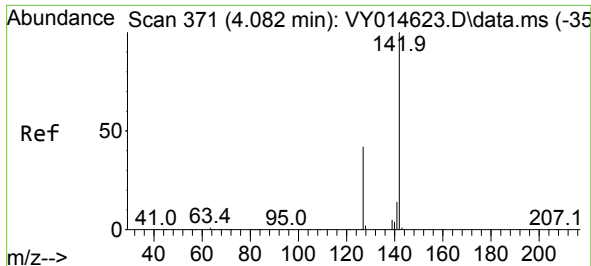
Tgt Ion:168 Resp: 62716
Ion Ratio Lower Upper
168 100
99 57.6 43.4 65.0



#3
Chloromethane
Concen: 1.012 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

Tgt Ion: 50 Resp: 581
Ion Ratio Lower Upper
50 100
52 36.4 25.4 38.2

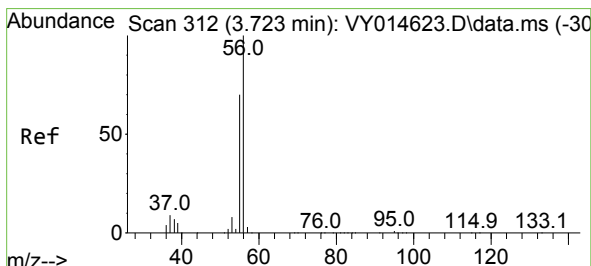
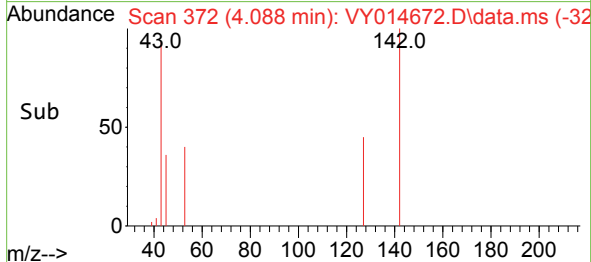
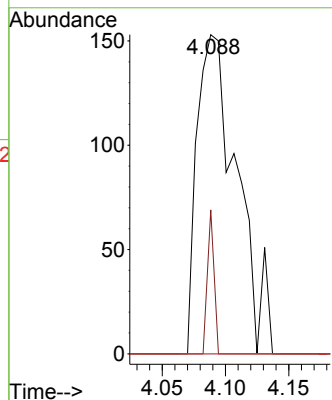
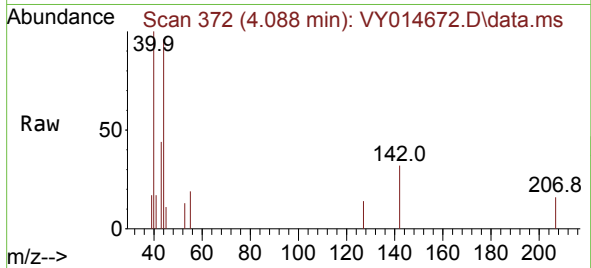




#10
Methyl Iodide
Concen: 2.828 ug/l
RT: 4.088 min Scan# 317
Delta R.T. 0.006 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

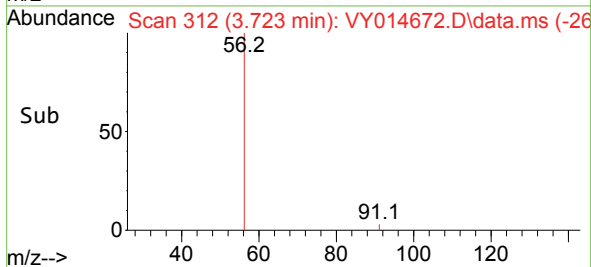
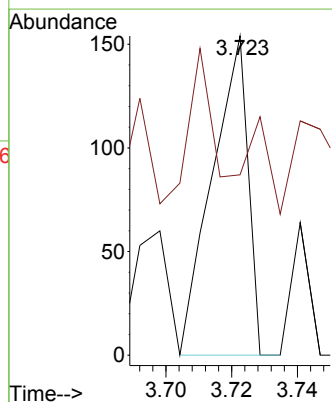
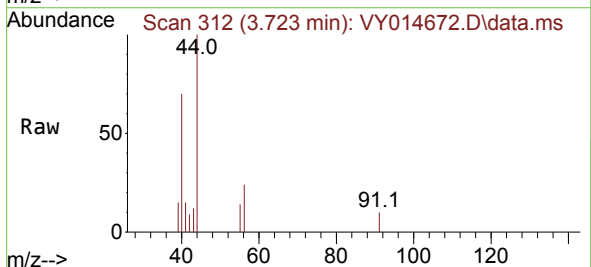
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-2

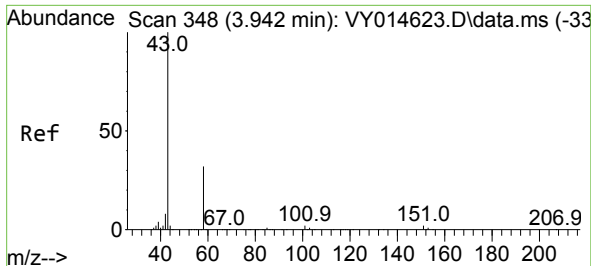
Tgt Ion:142 Resp: 337
Ion Ratio Lower Upper
142 100
127 7.4 37.6 56.4#
141 0.0 11.8 17.8#



#13
Acrolein
Concen: 1.553 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 23.3 57.0 85.4#





#16

Acetone

Concen: 7.233 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY014672.D

Acq: 17 Jul 2023 15:08

Instrument :

MSVOA_Y

ClientSampleId :

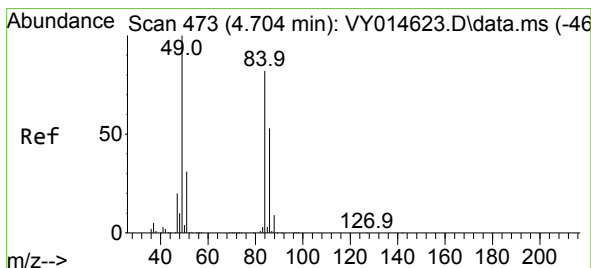
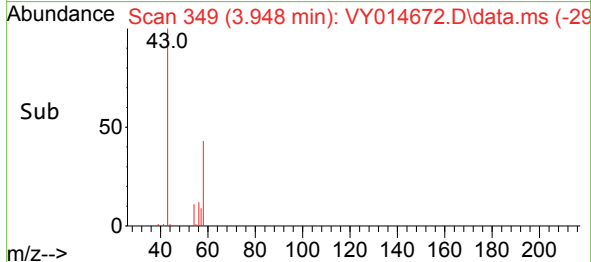
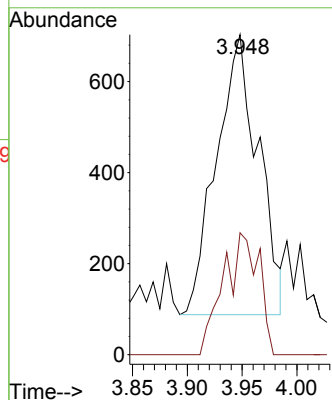
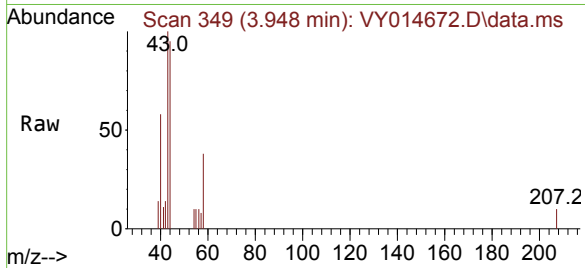
SAMPLE-2

Tgt Ion: 43 Resp: 1638

Ion Ratio Lower Upper

43 100

58 43.6 22.7 34.1#



#20

Methylene Chloride

Concen: 4.524 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY014672.D

Acq: 17 Jul 2023 15:08

Tgt Ion: 84 Resp: 6154

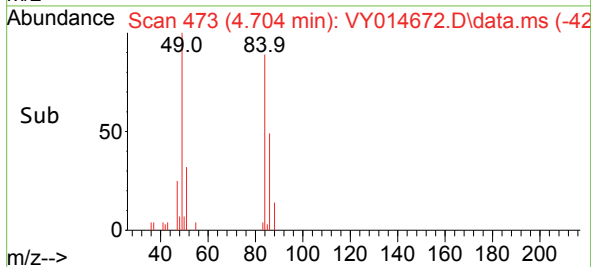
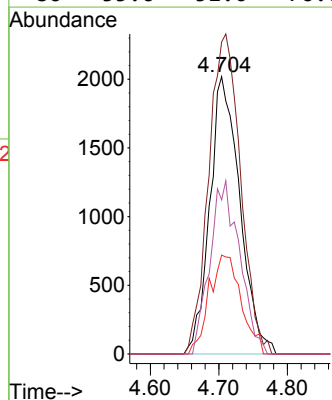
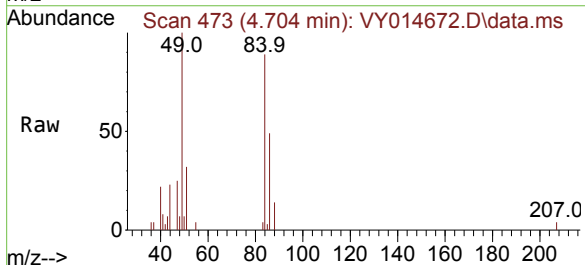
Ion Ratio Lower Upper

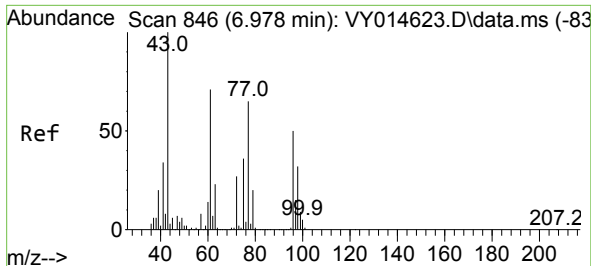
84 100

49 112.5 106.9 160.3

51 35.7 33.2 49.8

86 55.6 51.0 76.6

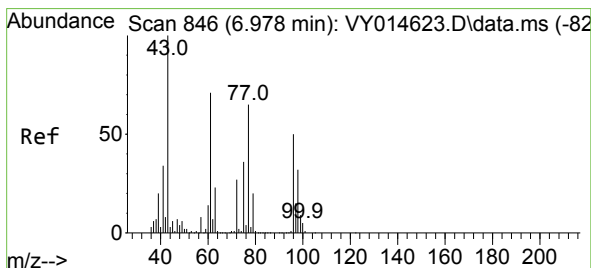
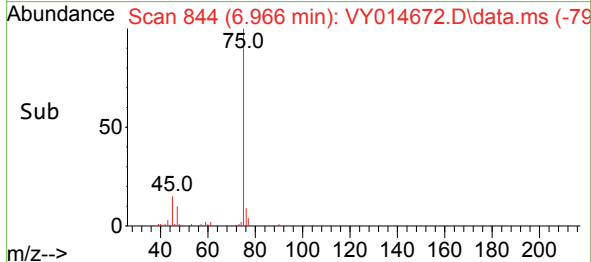
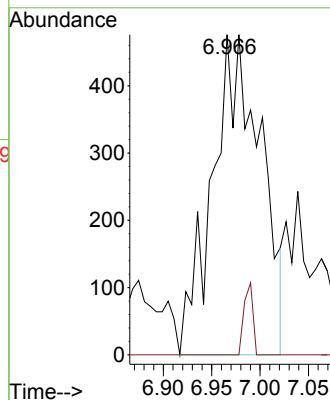
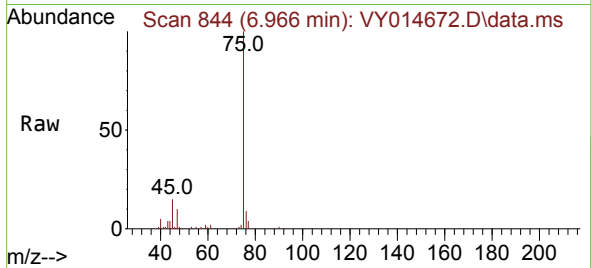




#25
2-Butanone
Concen: 4.983 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

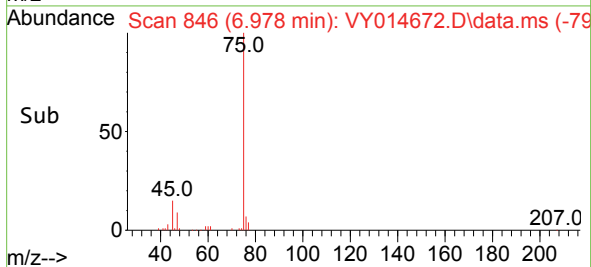
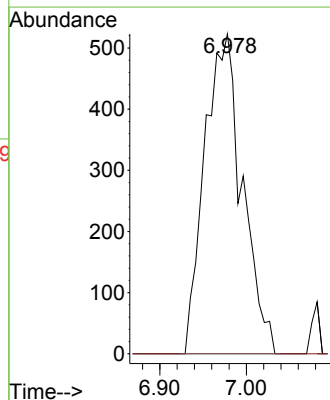
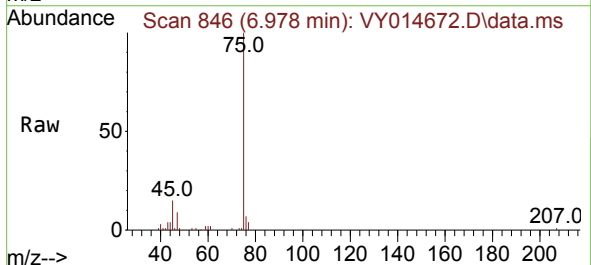
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-2

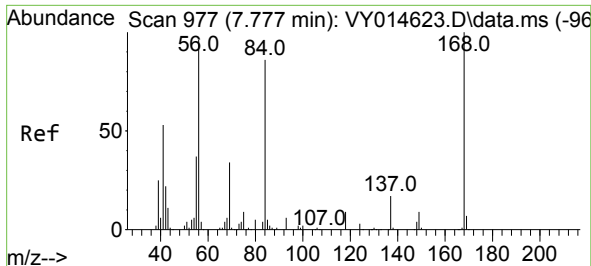
Tgt Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.300 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

Tgt Ion: 77 Resp: 1581
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

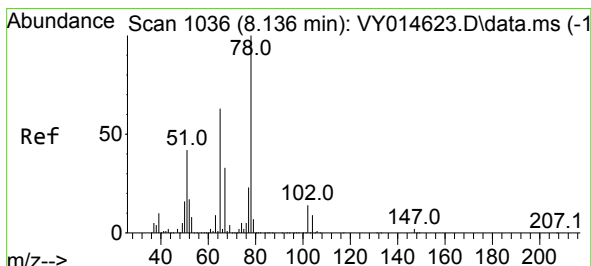
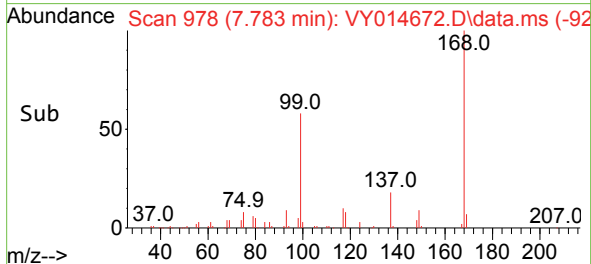
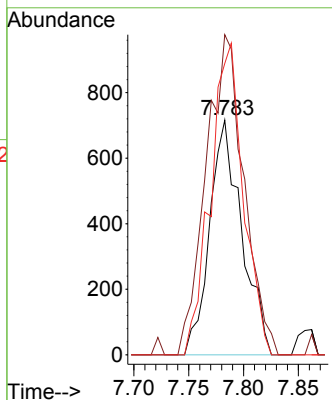
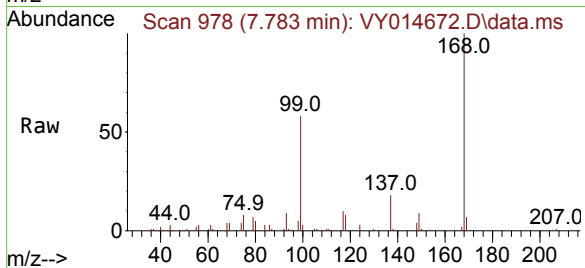




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

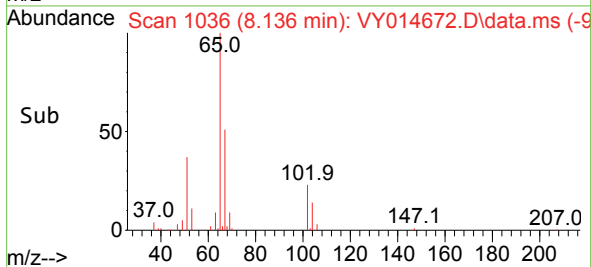
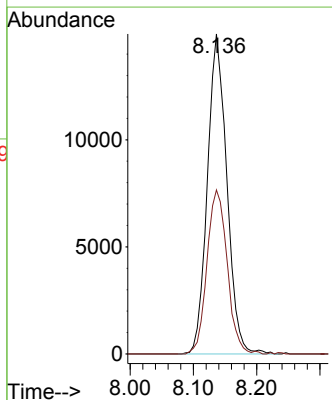
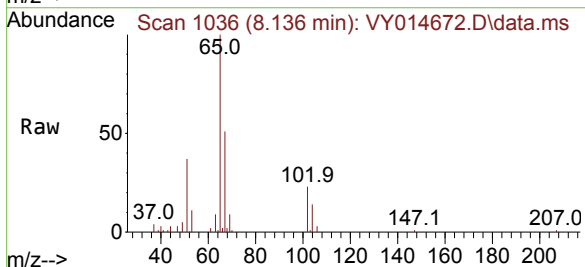
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-2

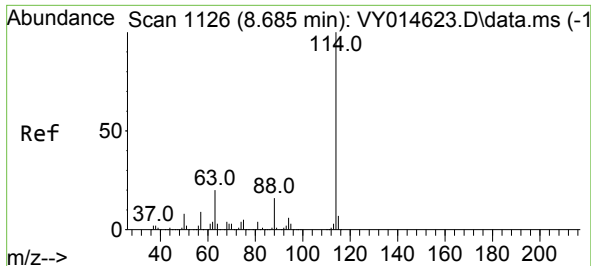
Tgt Ion: 56 Resp: 1458
Ion Ratio Lower Upper
56 100
69 136.5 27.8 41.6#
84 124.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 44.637 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

Tgt Ion: 65 Resp: 31901
Ion Ratio Lower Upper
65 100
67 53.4 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: VY014672.D

Acq: 17 Jul 2023 15:08

Instrument :

MSVOA_Y

ClientSampleId :

SAMPLE-2

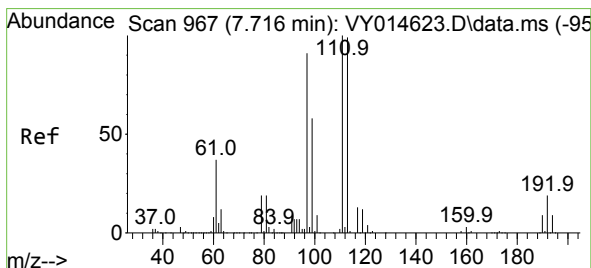
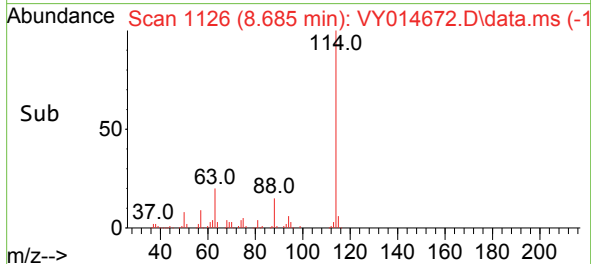
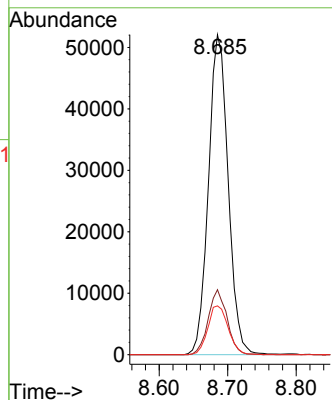
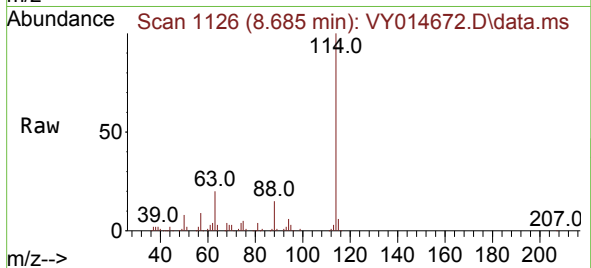
Tgt Ion:114 Resp: 104030

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.843 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014672.D

Acq: 17 Jul 2023 15:08

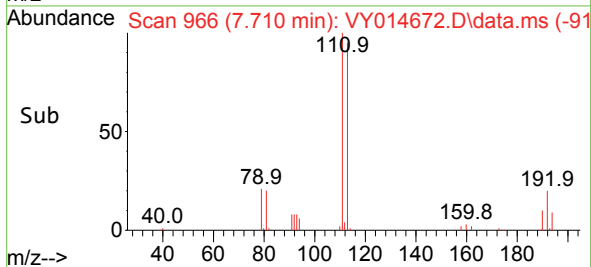
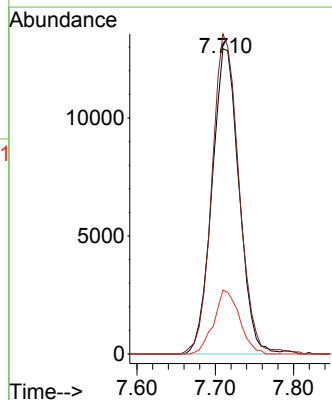
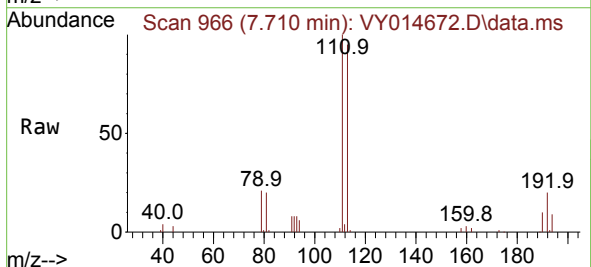
Tgt Ion:113 Resp: 31021

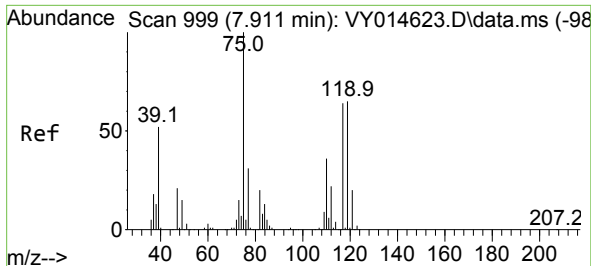
Ion Ratio Lower Upper

113 100

111 105.0 81.3 121.9

192 19.8 16.9 25.3

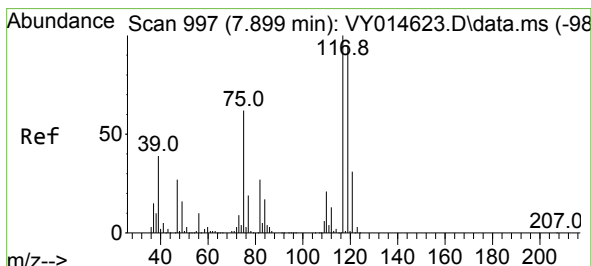
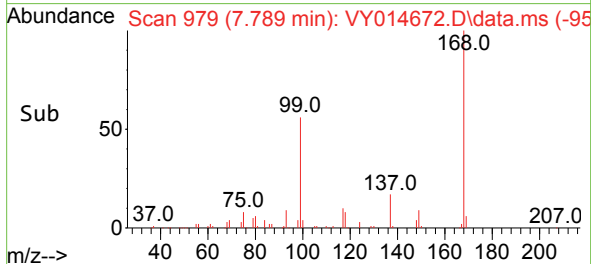
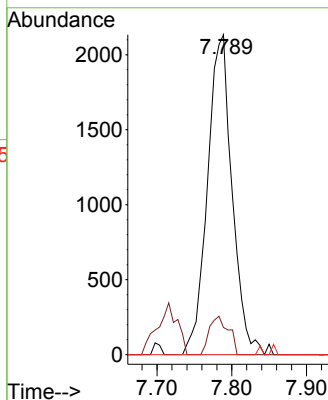
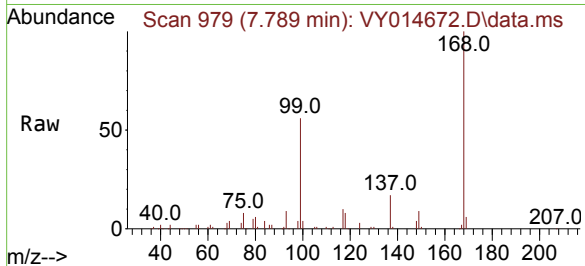




#36
 1,1-Dichloropropene
 Concen: 4.959 ug/l
 RT: 7.789 min Scan# 911
 Delta R.T. -0.122 min
 Lab File: VY014672.D
 Acq: 17 Jul 2023 15:08

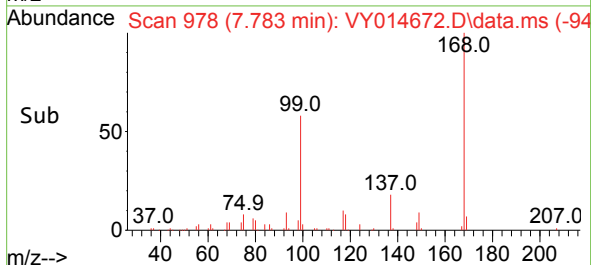
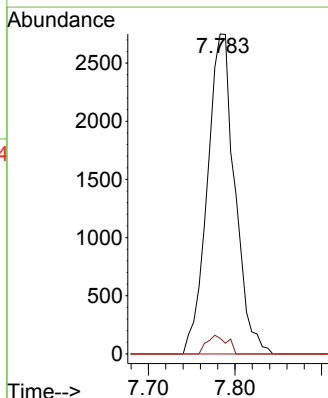
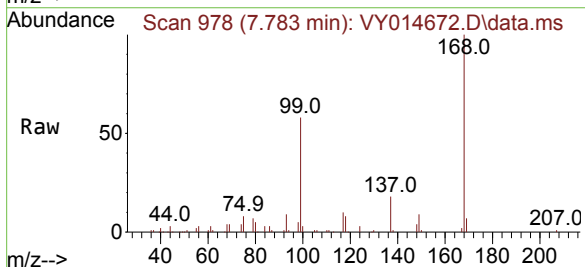
Instrument :
 MSVOA_Y
 ClientSampleId :
 SAMPLE-2

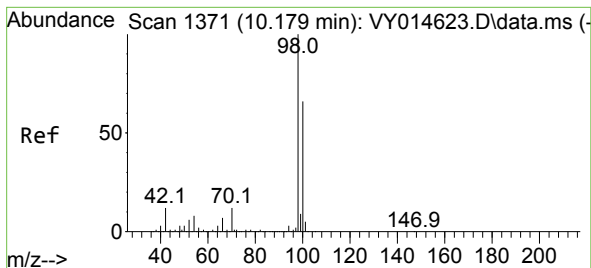
Tgt Ion: 75 Resp: 4911
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.808 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY014672.D
 Acq: 17 Jul 2023 15:08

Tgt Ion: 117 Resp: 6080
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.4 114.6#
 121 0.0 25.8 38.6#

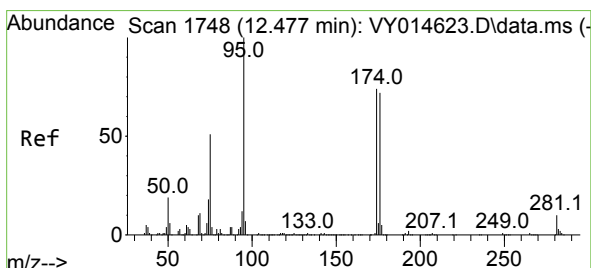
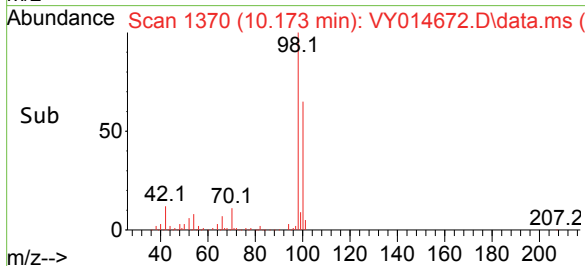
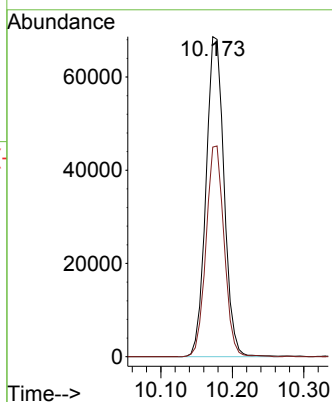
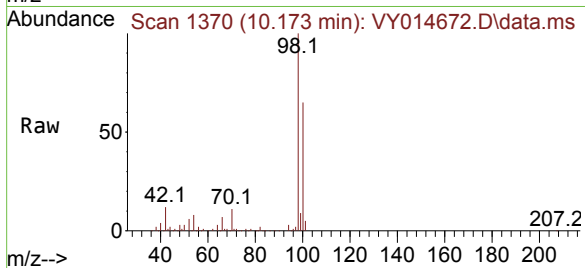




#50
Toluene-d8
Concen: 49.230 ug/l
RT: 10.173 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

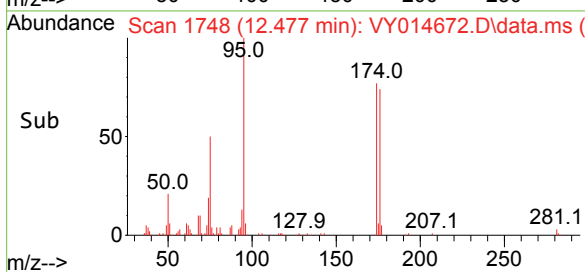
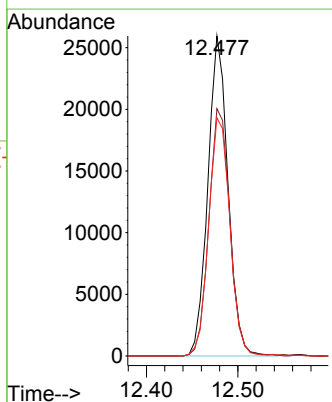
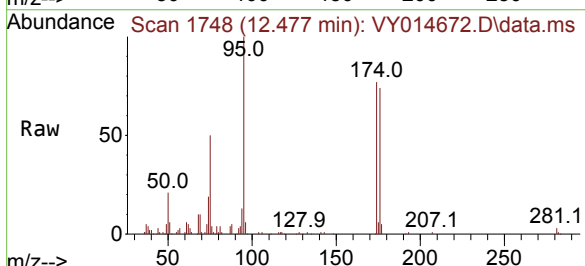
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-2

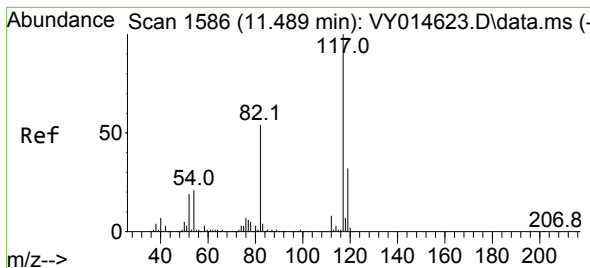
Tgt Ion: 98 Resp: 120195
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 42.496 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

Tgt Ion: 95 Resp: 39783
Ion Ratio Lower Upper
95 100
174 80.2 0.0 178.2
176 77.9 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: VY014672.D

Acq: 17 Jul 2023 15:08

Instrument :

MSVOA_Y

ClientSampleId :

SAMPLE-2

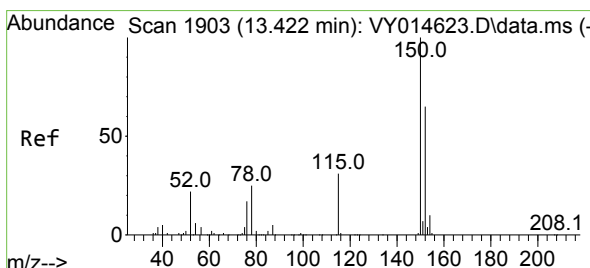
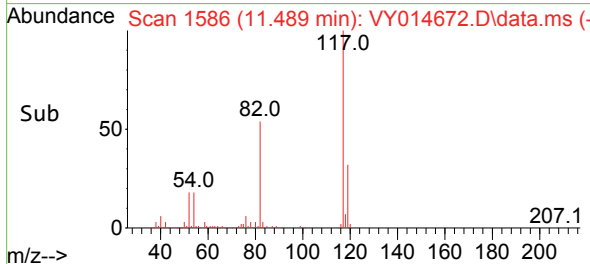
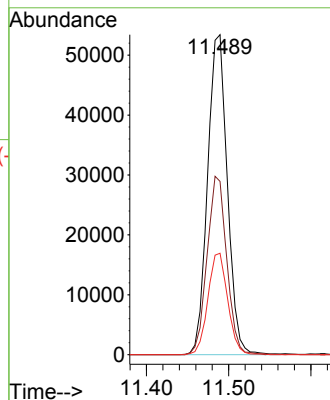
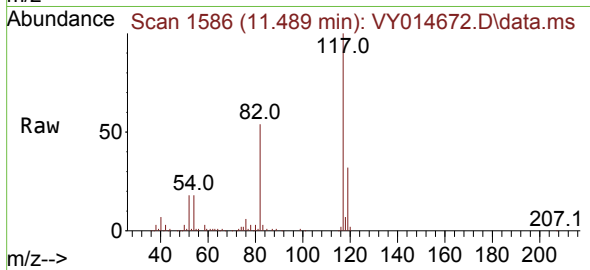
Tgt Ion:117 Resp: 89227

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 31.7 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: VY014672.D

Acq: 17 Jul 2023 15:08

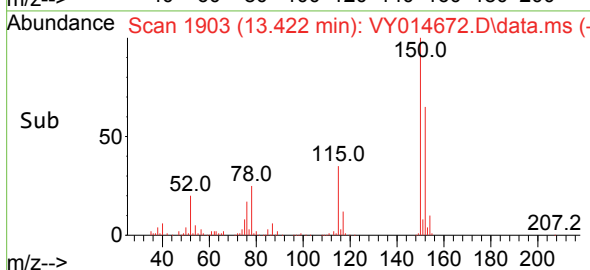
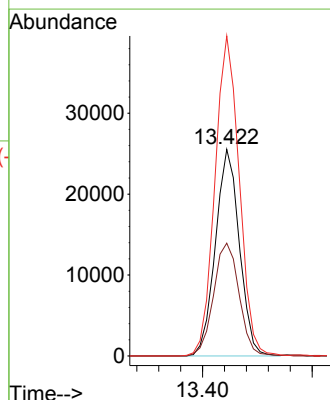
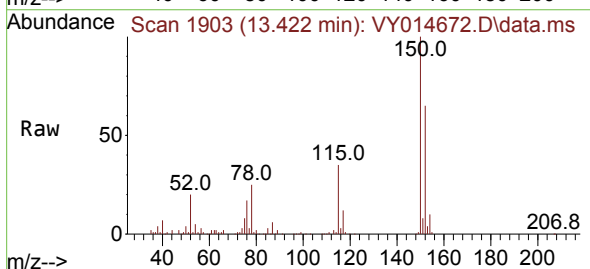
Tgt Ion:152 Resp: 38761

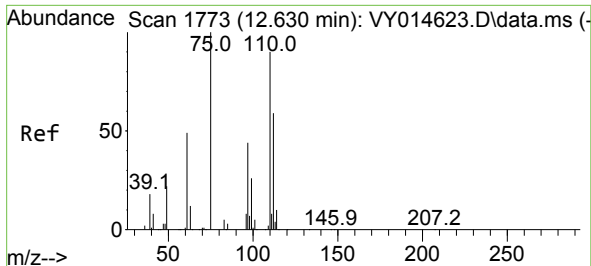
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 157.1 0.0 348.8

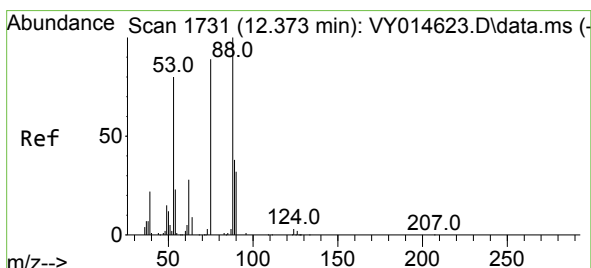
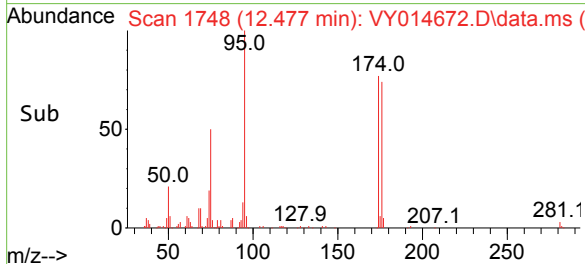
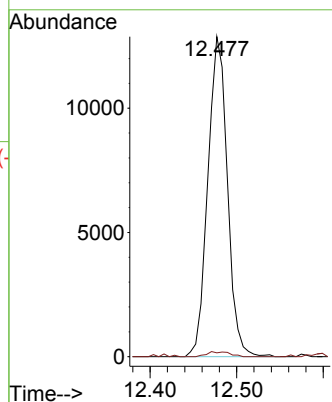
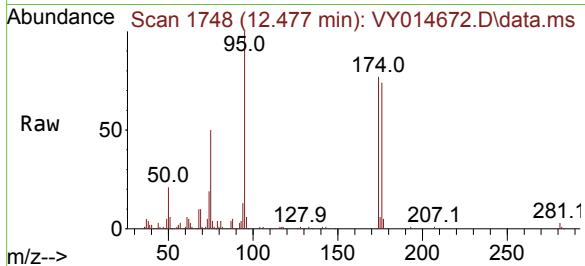




#76
1,2,3-Trichloropropane
Concen: 41.288 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-2

Tgt Ion: 75 Resp: 20212
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.940 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014672.D
Acq: 17 Jul 2023 15:08

Tgt Ion: 75 Resp: 20212
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 37.4 56.0#

