

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014671.D
 Acq On : 17 Jul 2023 14:44
 Operator : SY/MD
 Sample : 03580-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SAMPLE-1

Quant Time: Jul 18 06:09:50 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)

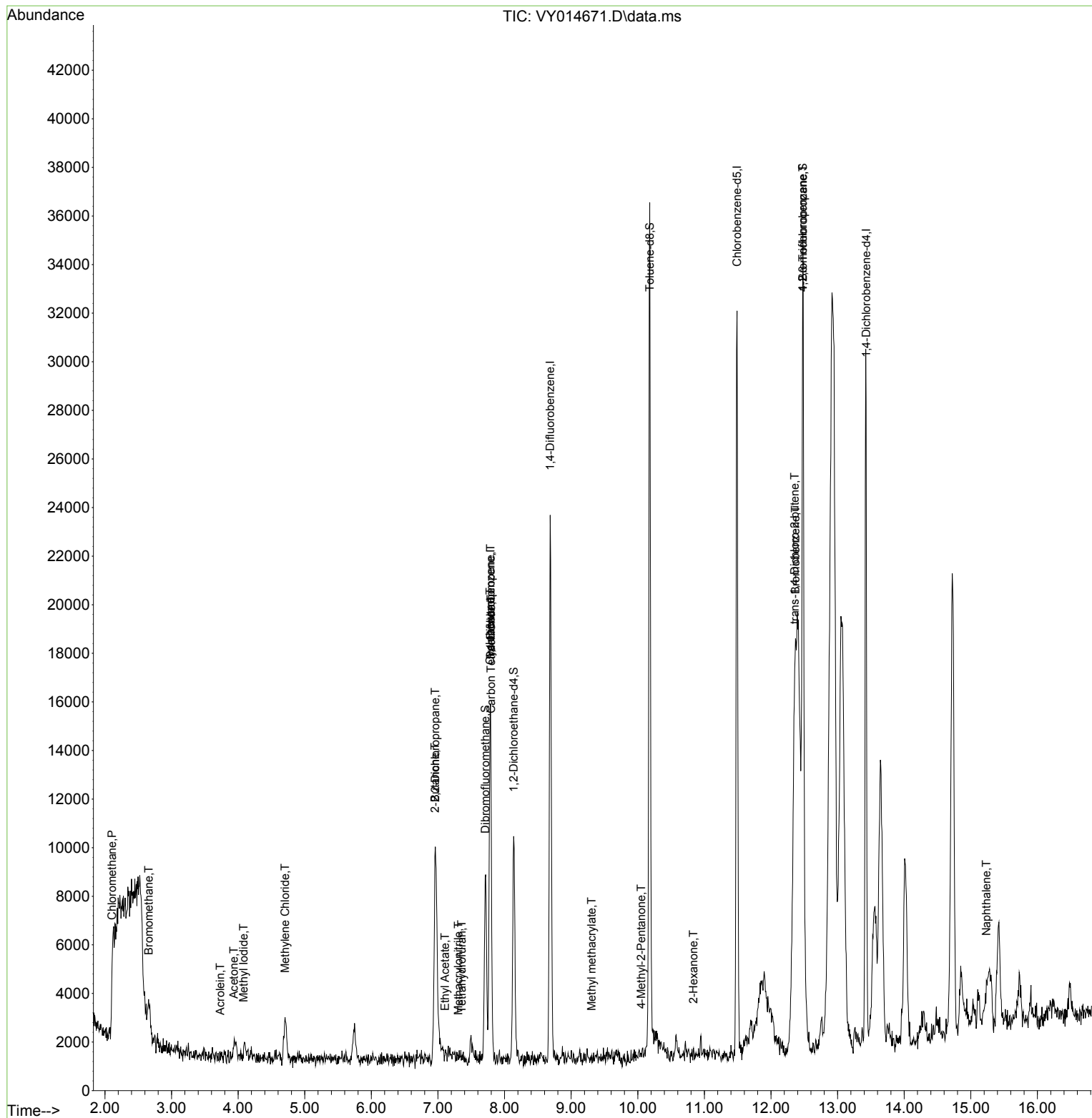
Internal Standards						
1) Pentafluorobenzene	7.789	168	12315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	19441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	17818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	7301	52.026	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.060%			
35) Dibromofluoromethane	7.710	113	5459	44.111	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.220%			
50) Toluene-d8	10.179	98	22954	50.309	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.620%			
62) 4-Bromofluorobenzene	12.477	95	8401	48.020	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.040%			
Target Compounds					Qvalue	
3) Chloromethane	2.107	50	551	4.885	ug/l	96
5) Bromomethane	2.656	94	688	8.259	ug/l	99
10) Methyl Iodide	4.082	142	1006	9.337	ug/l #	72
11) Tert butyl alcohol	4.936	59	114	Below Cal	#	89
13) Acrolein	3.729	56	71	4.841	ug/l	86
16) Acetone	3.936	43	1379	31.010	ug/l	98
20) Methylene Chloride	4.704	84	1158	4.143	ug/l #	80
25) 2-Butanone	6.954	43	798	12.266	ug/l #	49
26) 2,2-Dichloropropane	6.960	77	882	3.695	ug/l #	54
29) Tetrahydrofuran	7.356	42	197	4.918	ug/l #	35
31) Cyclohexane	7.783	56	302	1.296	ug/l #	47
36) 1,1-Dichloropropene	7.789	75	876	4.733	ug/l #	41
37) Ethyl Acetate	7.106	43	294	2.307	ug/l #	71
38) Carbon Tetrachloride	7.795	117	1344	6.870	ug/l #	12
41) Methacrylonitrile	7.307	41	135	2.060	ug/l #	20
48) Methyl methacrylate	9.307	41	226	2.069	ug/l #	13
51) 4-Methyl-2-Pentanone	10.051	43	364	2.856	ug/l #	39
59) 2-Hexanone	10.837	43	147	1.582	ug/l #	27
76) 1,2,3-Trichloropropane	12.477	75	4349	46.799	ug/l #	100
77) Bromobenzene	12.368	156	6196	47.113	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.355	75	331	6.896	ug/l #	19
95) Naphthalene	15.233	128	1453	4.190	ug/l #	75

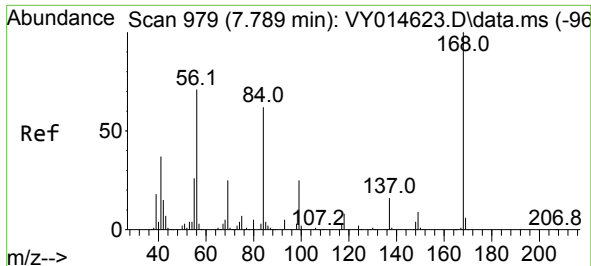
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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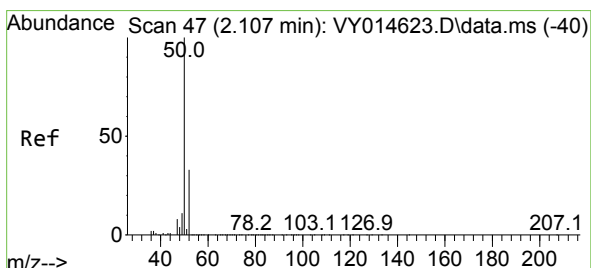
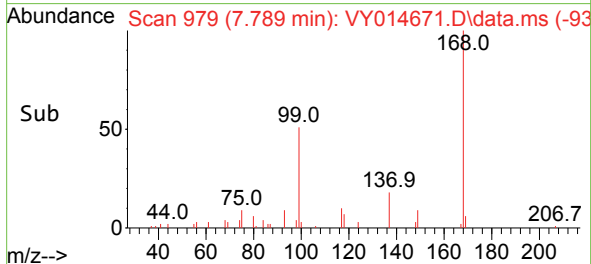
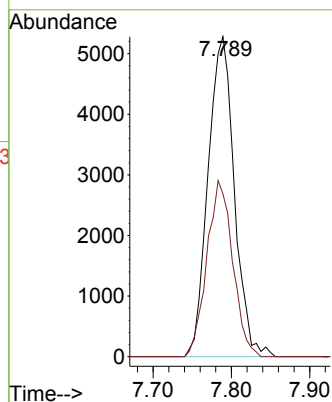
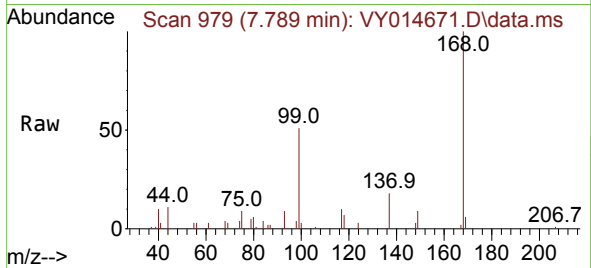




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

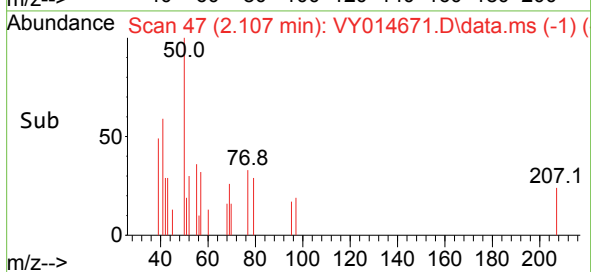
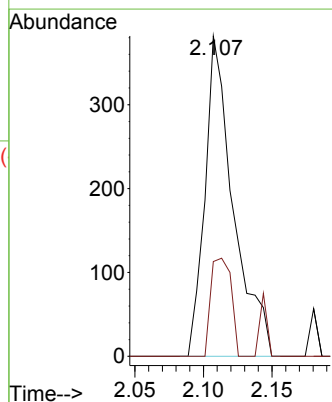
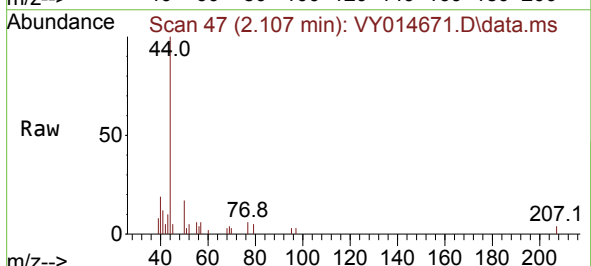
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-1

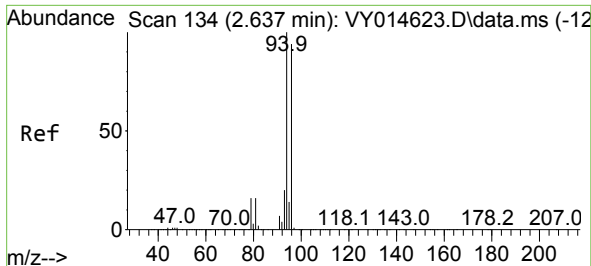
Tgt Ion:168 Resp: 12315
Ion Ratio Lower Upper
168 100
99 50.9 43.4 65.0



#3
Chloromethane
Concen: 4.885 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion: 50 Resp: 551
Ion Ratio Lower Upper
50 100
52 29.6 25.4 38.2

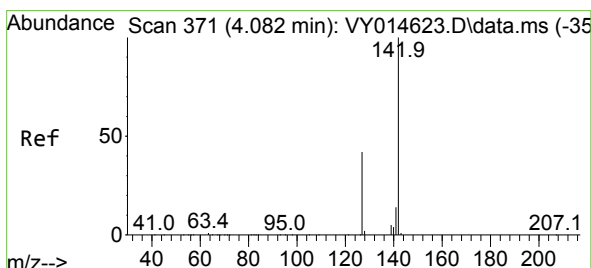
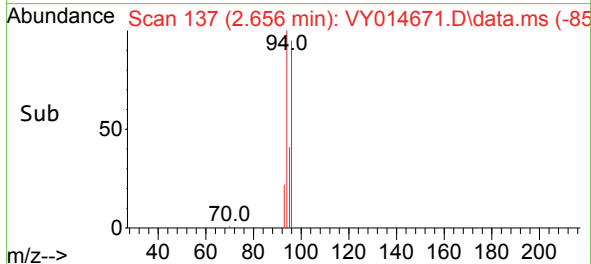
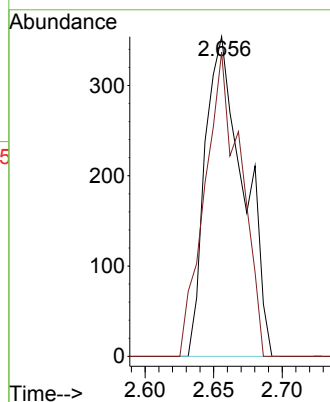
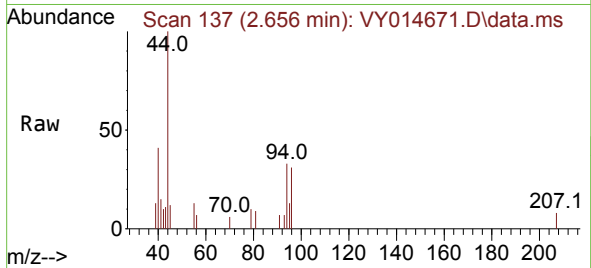




#5
Bromomethane
Concen: 8.259 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

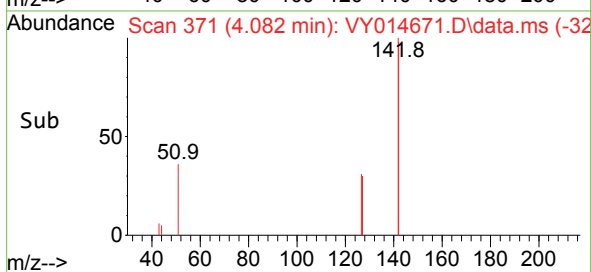
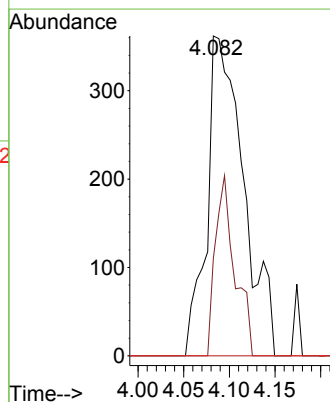
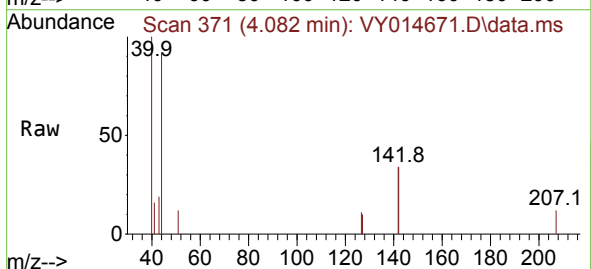
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-1

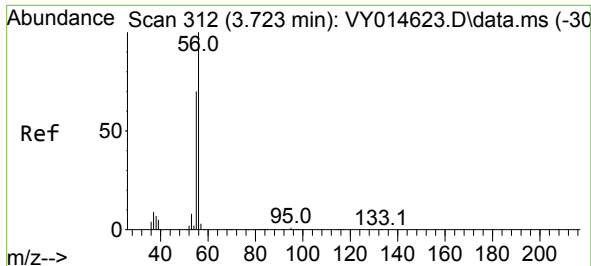
Tgt Ion: 94 Resp: 688
Ion Ratio Lower Upper
94 100
96 95.2 75.8 113.6



#10
Methyl Iodide
Concen: 9.337 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion:142 Resp: 1006
Ion Ratio Lower Upper
142 100
127 30.1 37.6 56.4#
141 0.0 11.8 17.8#

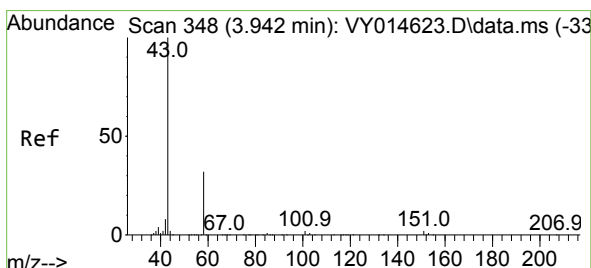
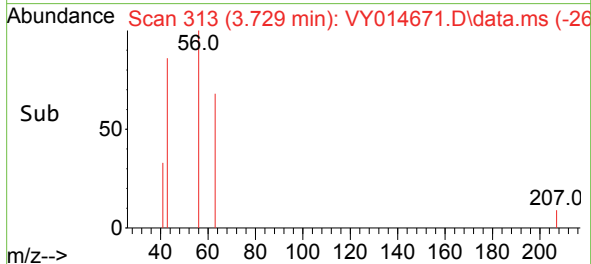
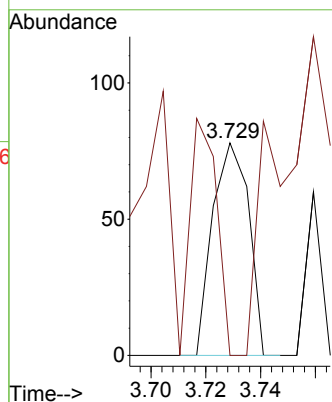
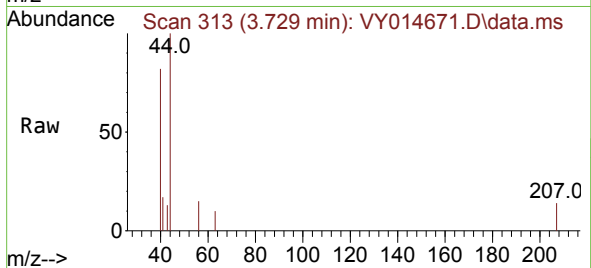




#13
Acrolein
Concen: 4.841 ug/l
RT: 3.729 min Scan# 312
Delta R.T. 0.006 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

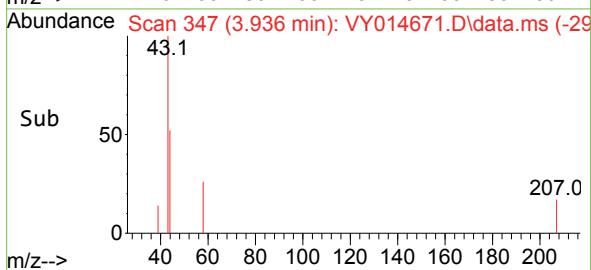
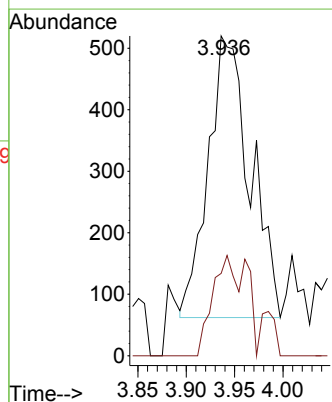
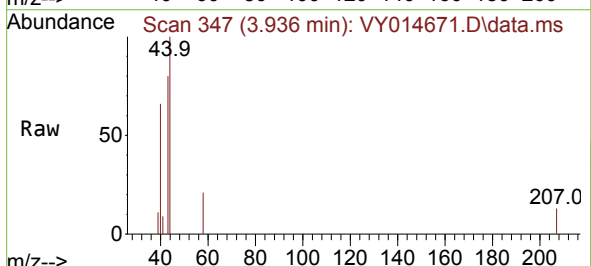
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-1

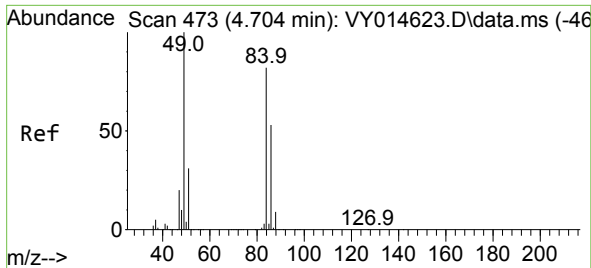
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 83.1 57.0 85.4



#16
Acetone
Concen: 31.010 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
58 29.3 22.7 34.1

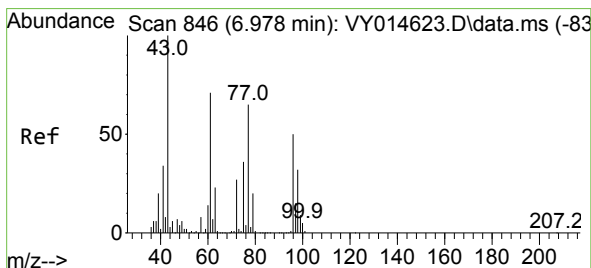
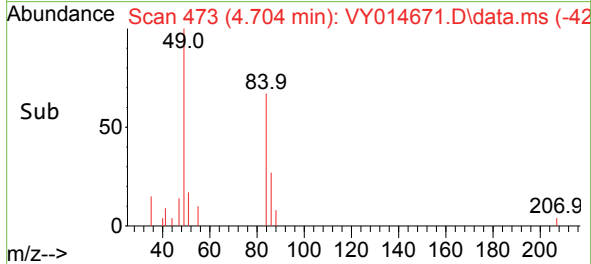
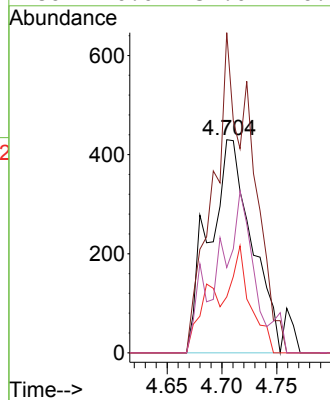
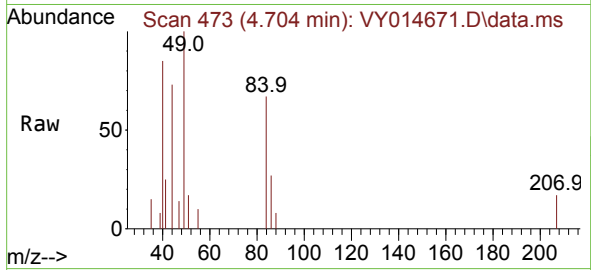




#20
Methylene Chloride
Concen: 4.143 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

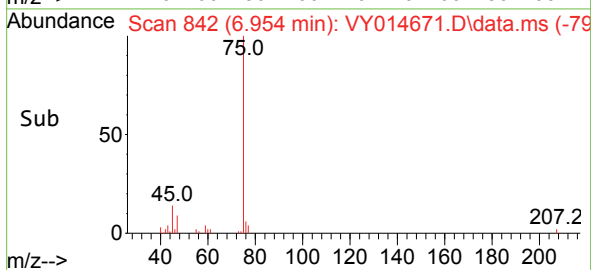
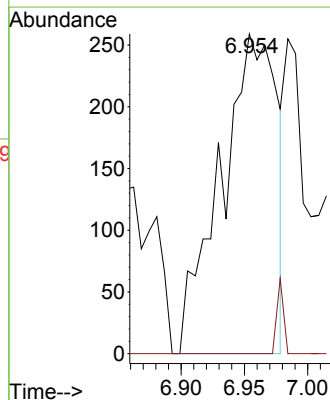
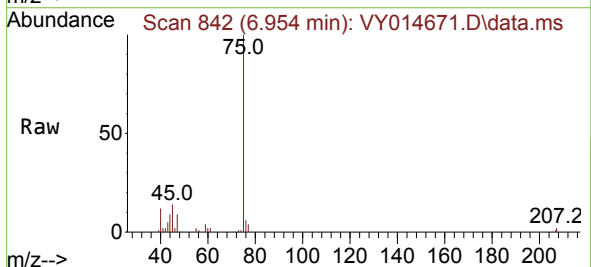
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-1

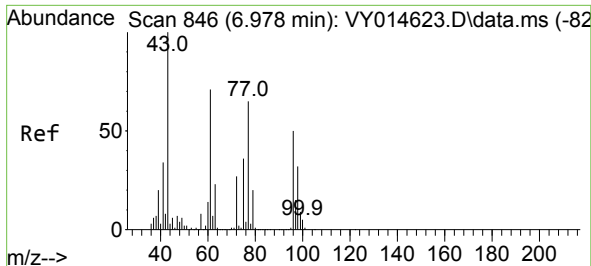
Tgt Ion:	84	Resp:	1158
Ion	Ratio	Lower	Upper
84	100		
49	150.2	106.9	160.3
51	26.3	33.2	49.8#
86	40.0	51.0	76.6#



#25
2-Butanone
Concen: 12.266 ug/l
RT: 6.954 min Scan# 842
Delta R.T. -0.024 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion:	43	Resp:	798
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 3.695 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY014671.D

Acq: 17 Jul 2023 14:44

Instrument :

MSVOA_Y

ClientSampleId :

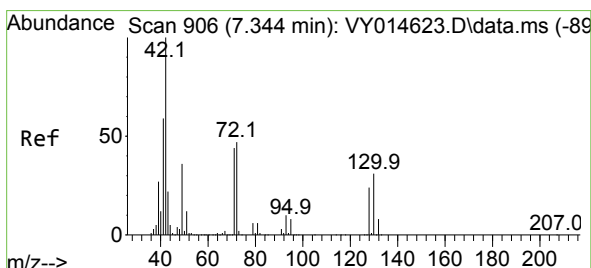
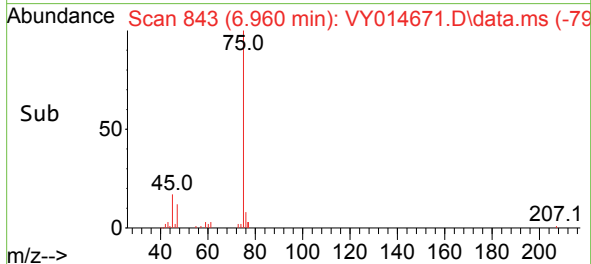
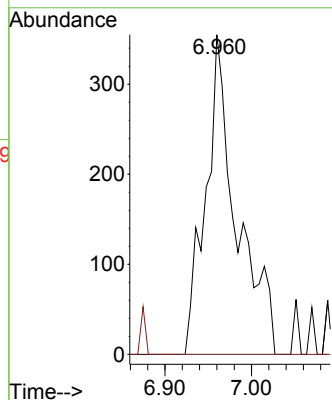
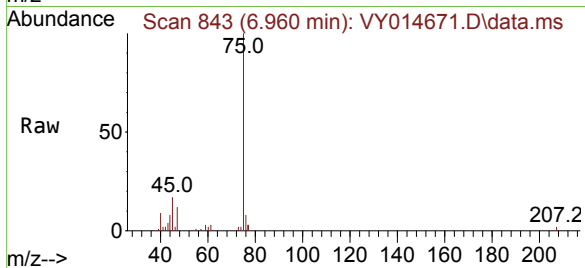
SAMPLE-1

Tgt Ion: 77 Resp: 882

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 4.918 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY014671.D

Acq: 17 Jul 2023 14:44

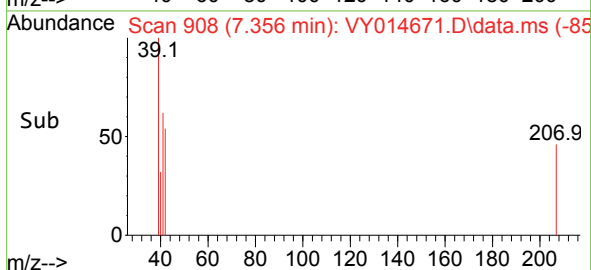
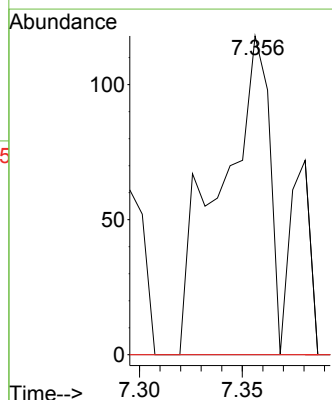
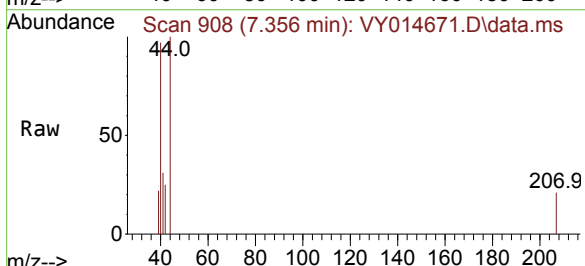
Tgt Ion: 42 Resp: 197

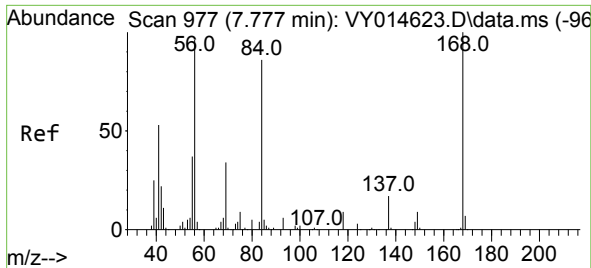
Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#

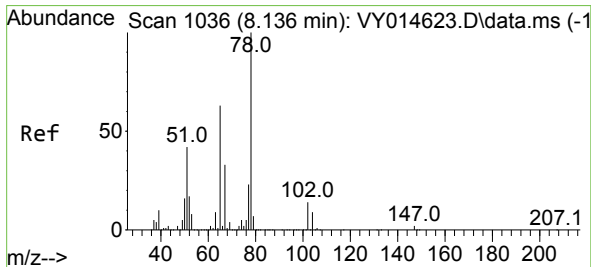
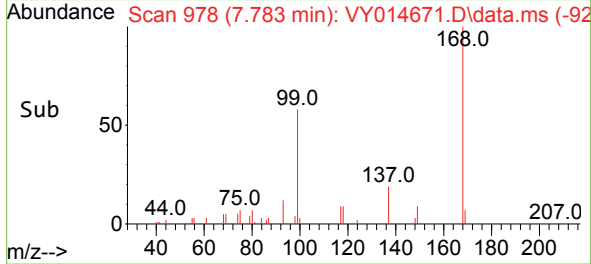
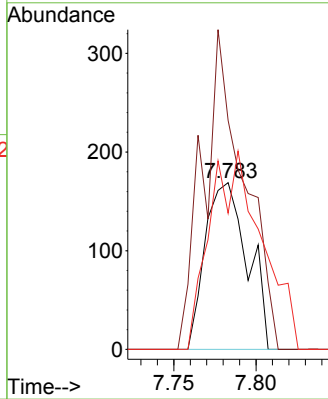
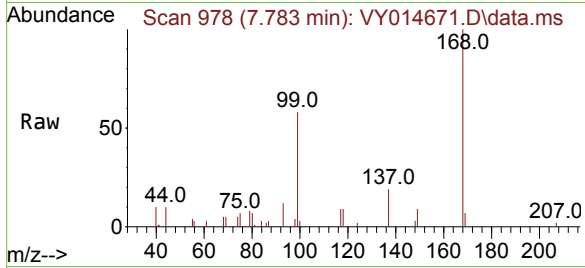




#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

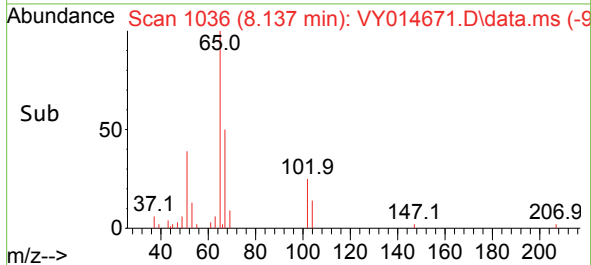
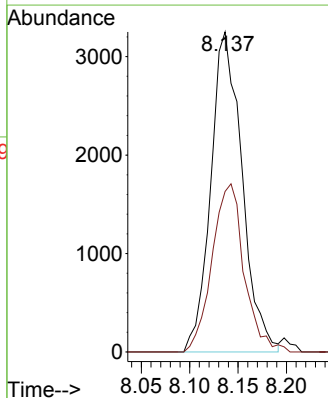
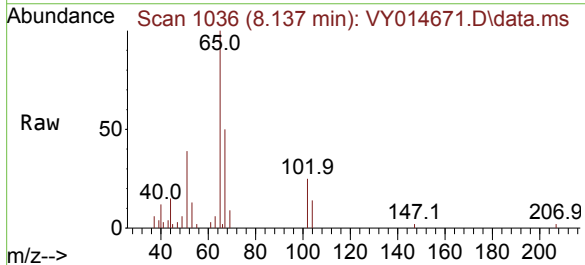
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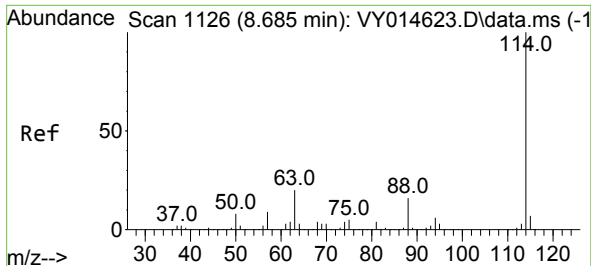
Tgt Ion: 56 Resp: 302
Ion Ratio Lower Upper
56 100
69 137.3 27.8 41.6#
84 81.7 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.026 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion: 65 Resp: 7301
Ion Ratio Lower Upper
65 100
67 53.8 0.0 101.8

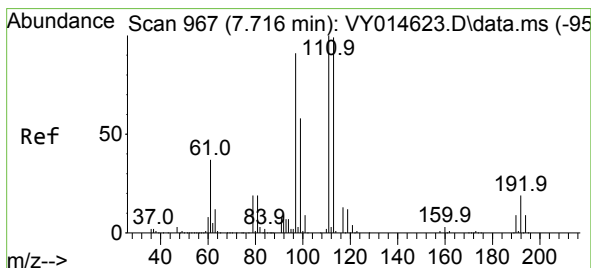
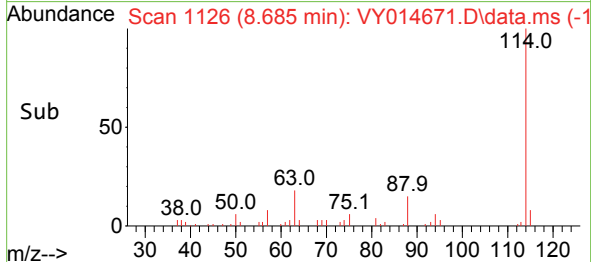
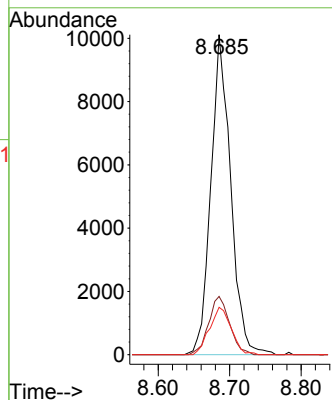
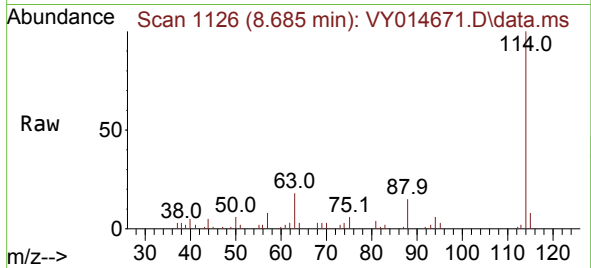




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

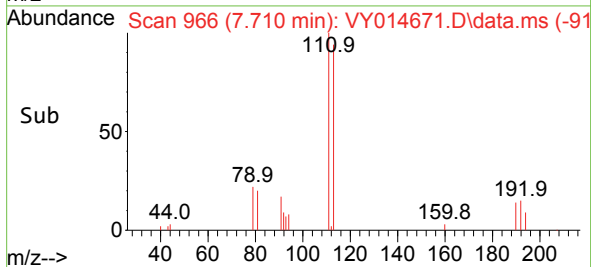
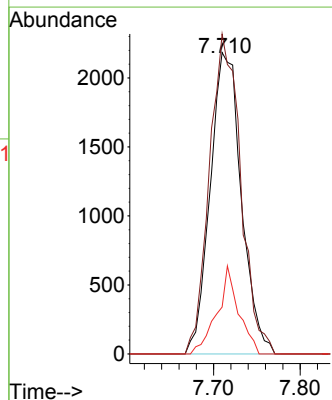
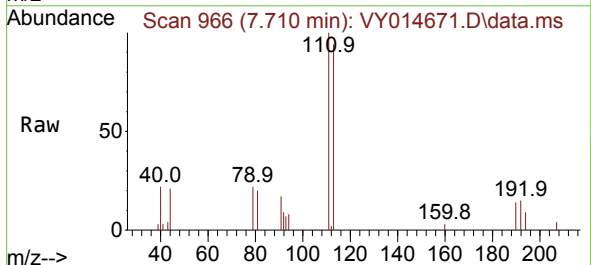
Instrument :
MSVOA_Y
ClientSampleId :
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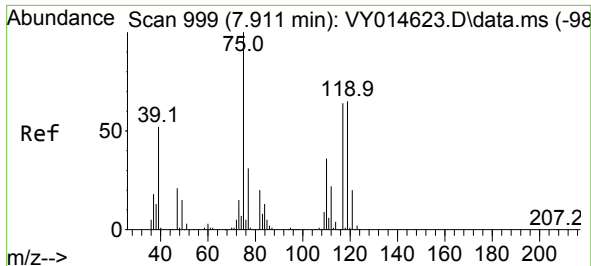
Tgt Ion:114	Resp:	19441
Ion Ratio	Lower	Upper
114	100	
63	18.2	0.0 42.4
88	14.8	0.0 30.6



#35
Dibromofluoromethane
Concen: 44.111 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion:113	Resp:	5459
Ion Ratio	Lower	Upper
113	100	
111	106.4	81.3 121.9
192	20.1	16.9 25.3

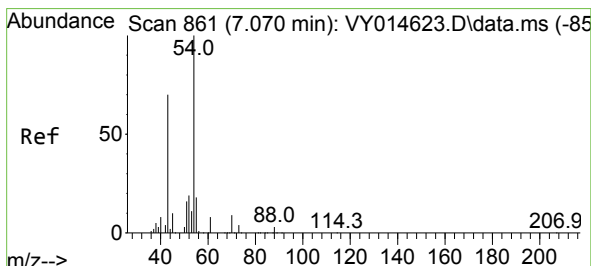
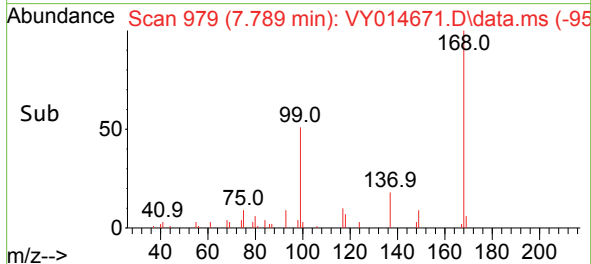
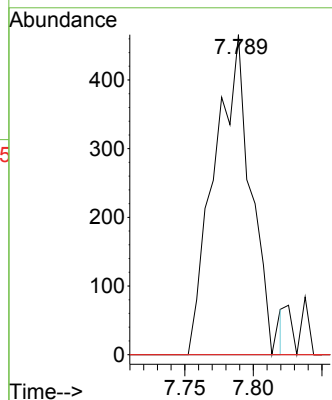
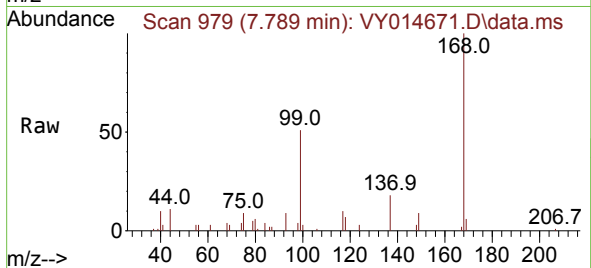




#36
1,1-Dichloropropene
Concen: 4.733 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

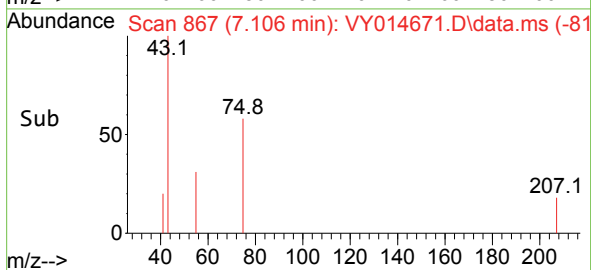
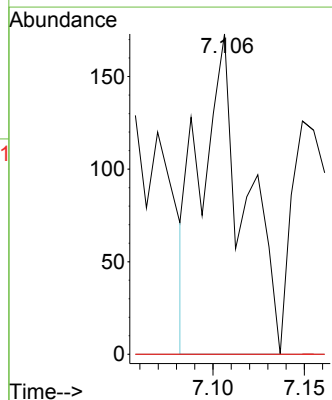
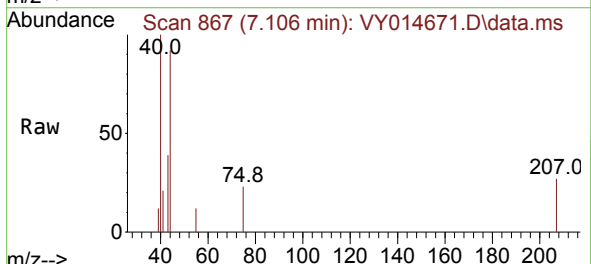
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-1

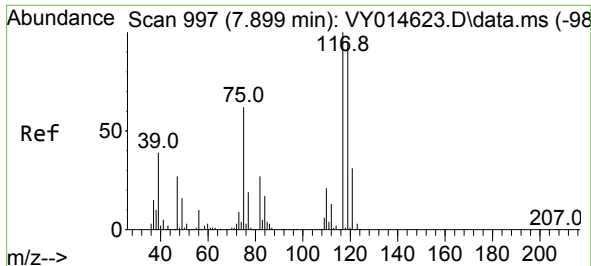
Tgt Ion: 75 Resp: 876
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.307 ug/l
RT: 7.106 min Scan# 867
Delta R.T. 0.036 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#

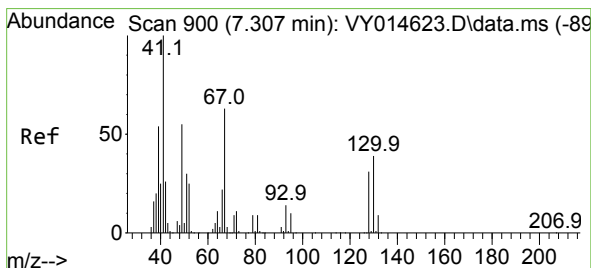
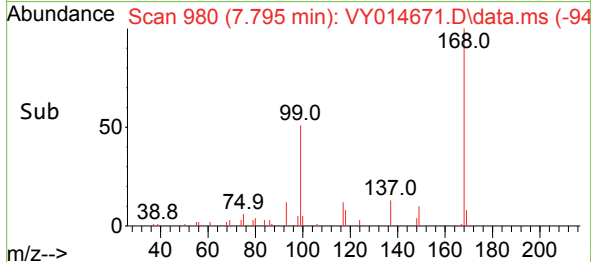
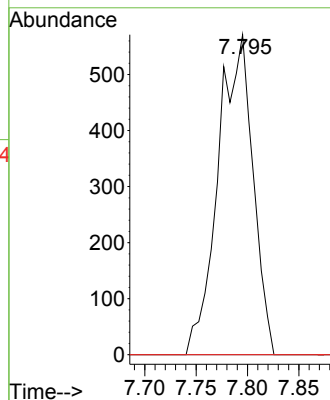
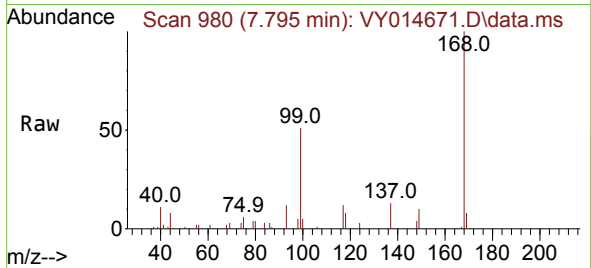




#38
Carbon Tetrachloride
Concen: 6.870 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

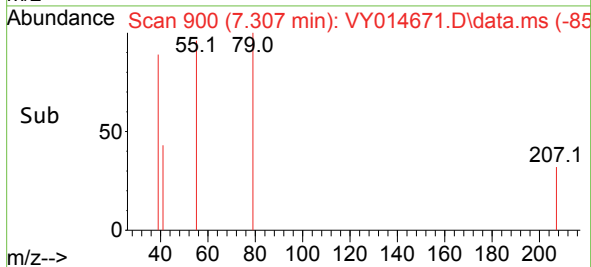
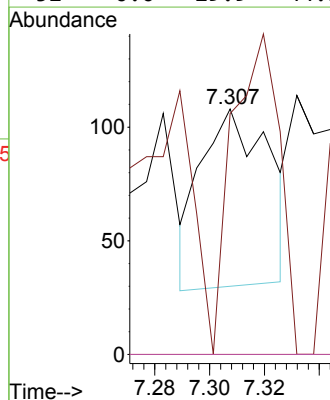
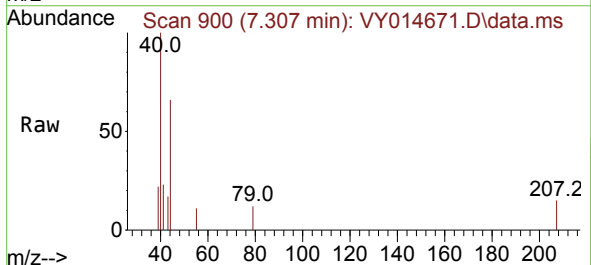
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-1

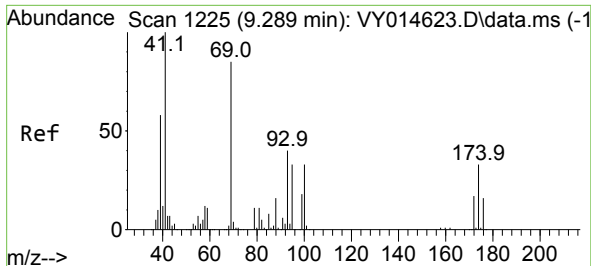
Tgt Ion:117 Resp: 1344
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.060 ug/l
RT: 7.307 min Scan# 900
Delta R.T. 0.000 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion: 41 Resp: 135
Ion Ratio Lower Upper
41 100
39 124.4 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

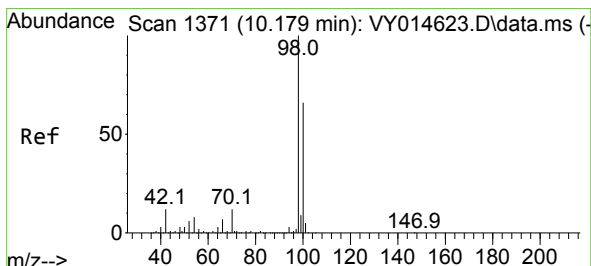
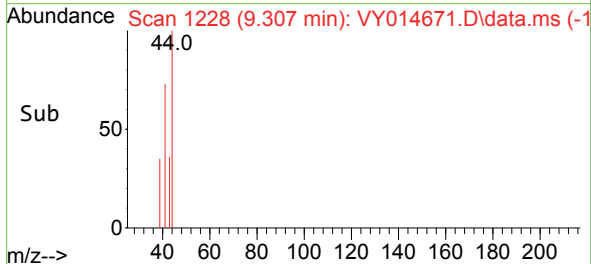
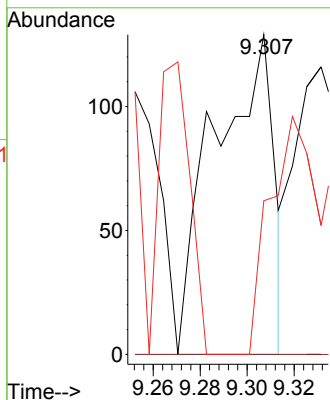
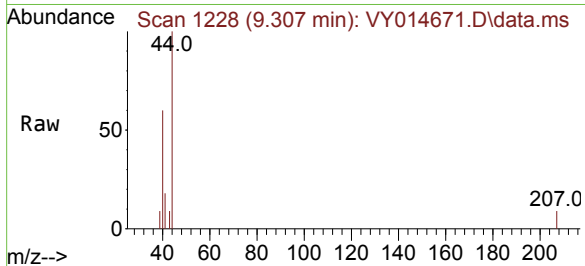




#48
Methyl methacrylate
Concen: 2.069 ug/l
RT: 9.307 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

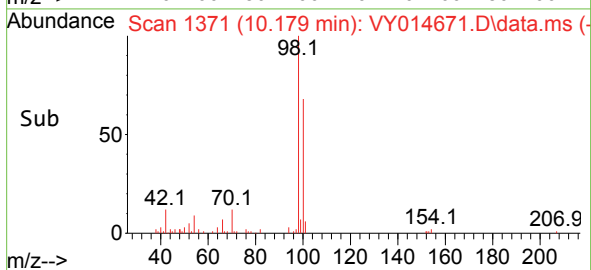
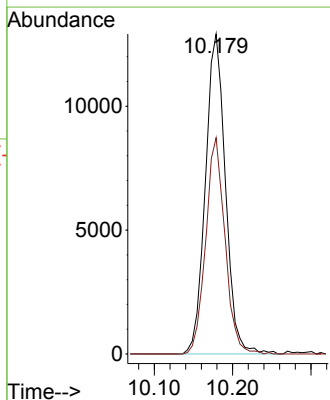
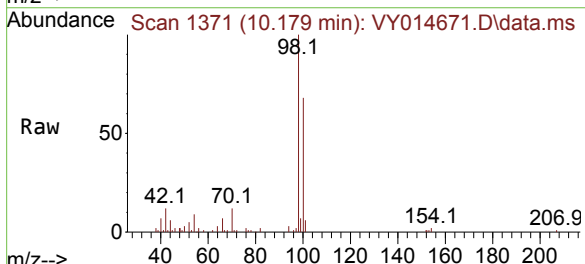
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-1

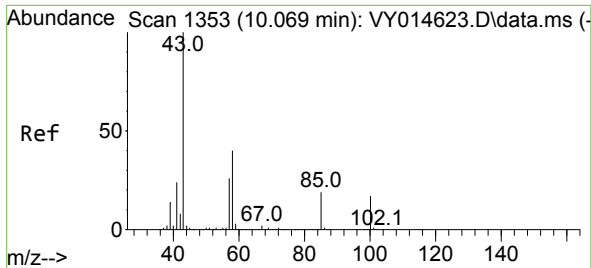
Tgt Ion: 41 Resp: 226
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 0.0 50.8 76.2#



#50
Toluene-d8
Concen: 50.309 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion: 98 Resp: 22954
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

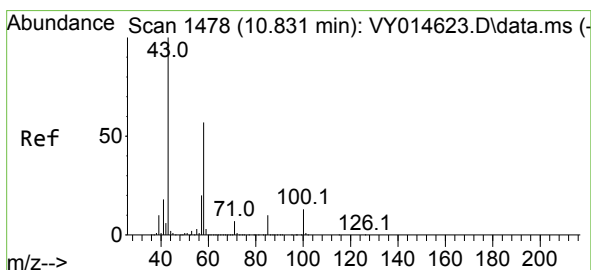
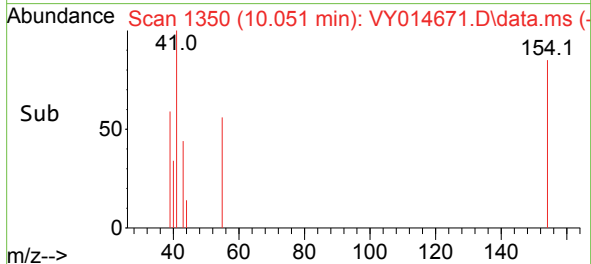
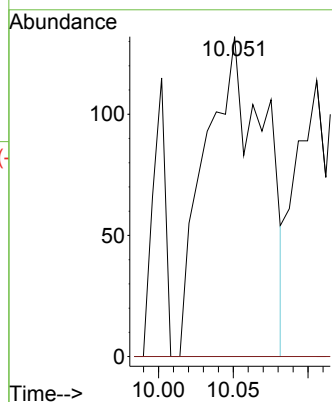
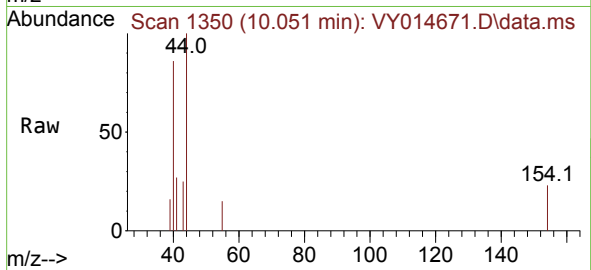




#51
4-Methyl-2-Pentanone
Concen: 2.856 ug/l
RT: 10.051 min Scan# 1350
Delta R.T. -0.018 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

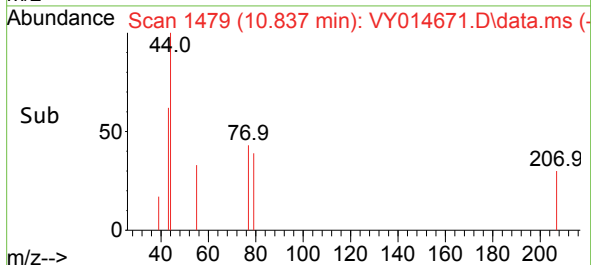
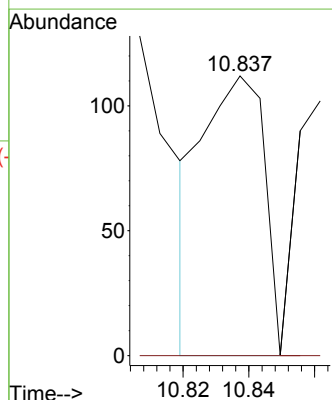
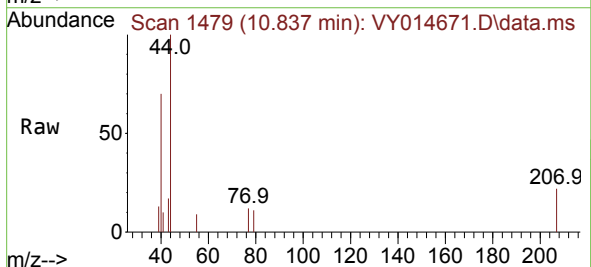
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-1

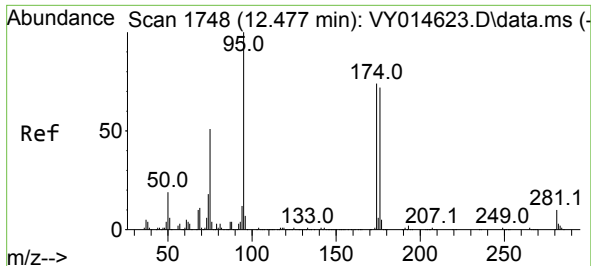
Tgt Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#59
2-Hexanone
Concen: 1.582 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#

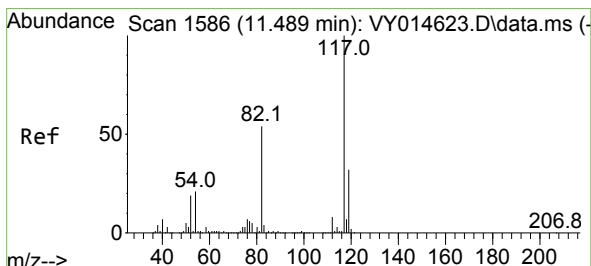
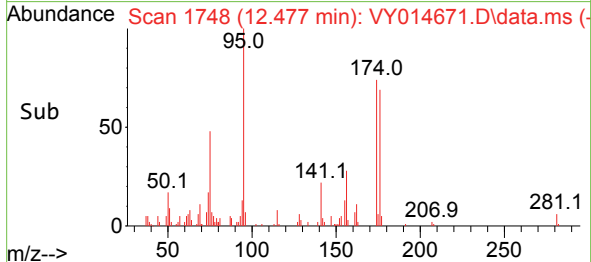
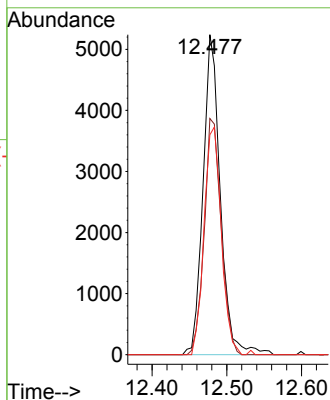
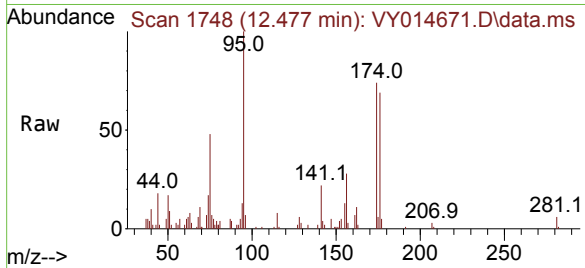




#62
4-Bromofluorobenzene
Concen: 48.020 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

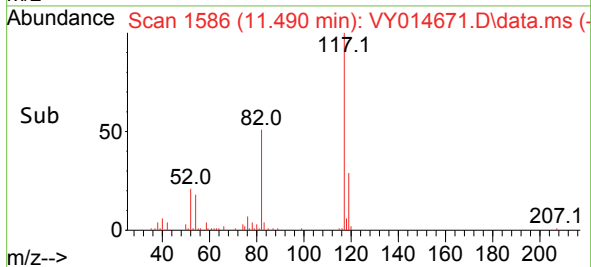
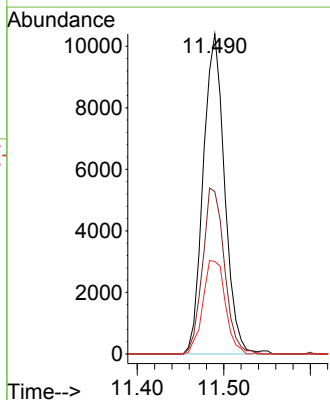
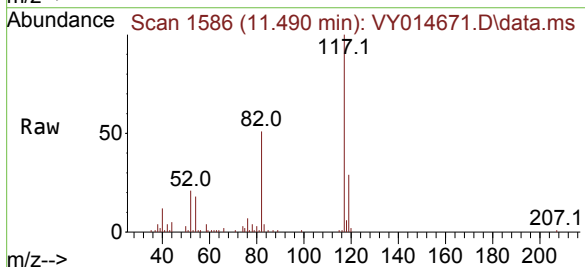
Instrument :
MSVOA_Y
ClientSampleId :
SAMPLE-1

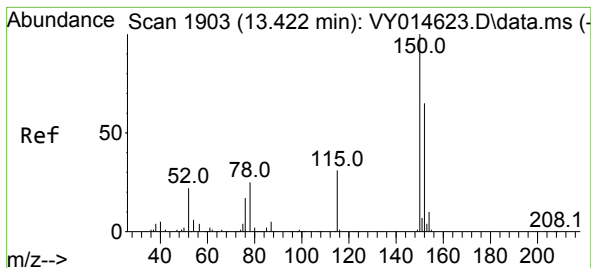
Tgt Ion: 95 Resp: 8401
Ion Ratio Lower Upper
95 100
174 72.8 0.0 178.2
176 71.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014671.D
Acq: 17 Jul 2023 14:44

Tgt Ion: 117 Resp: 17818
Ion Ratio Lower Upper
117 100
82 50.7 43.4 65.0
119 28.9 26.3 39.5

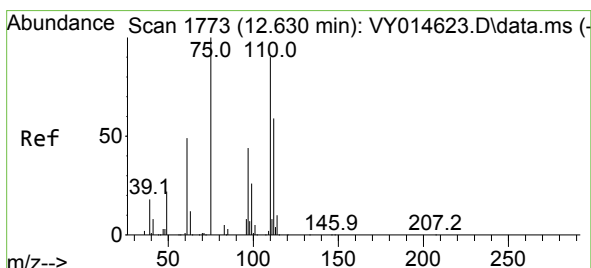
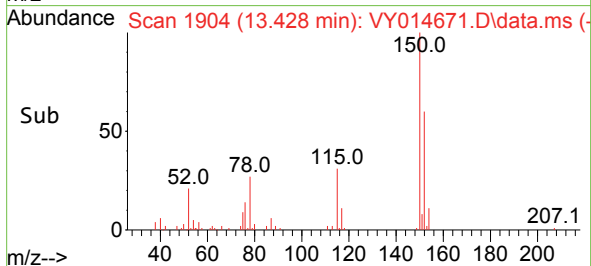
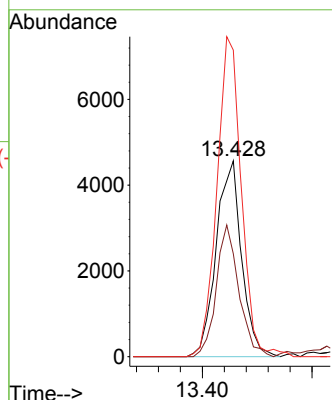
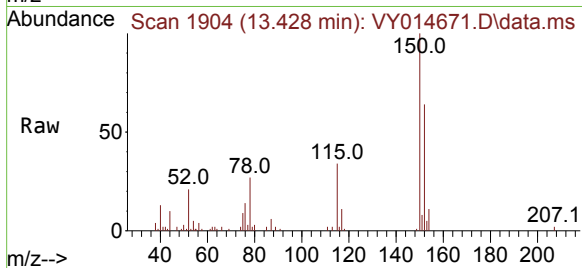




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY014671.D
 Acq: 17 Jul 2023 14:44

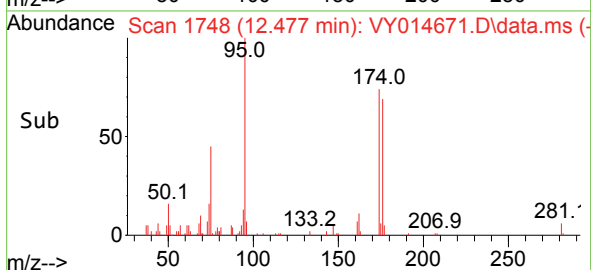
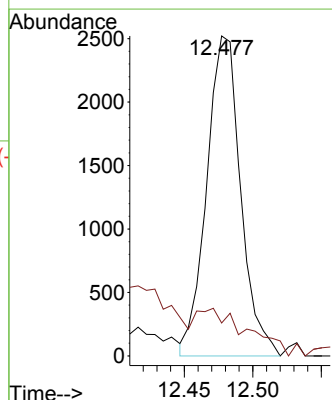
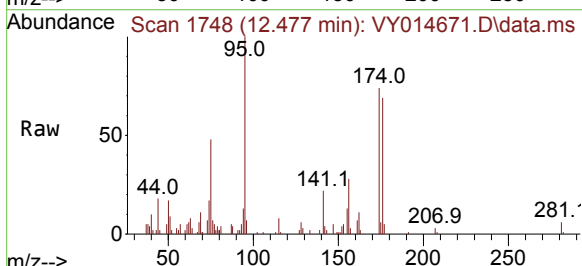
Instrument :
 MSVOA_Y
 ClientSampleId :
 SAMPLE-1

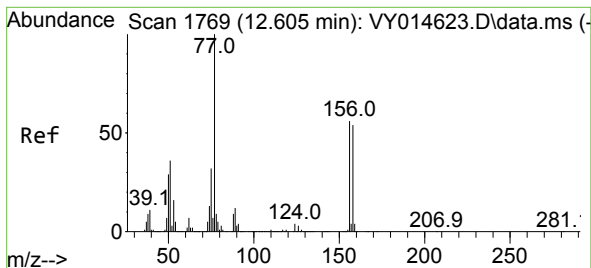
Tgt Ion:152 Resp: 7358
 Ion Ratio Lower Upper
 152 100
 115 59.8 28.8 86.5
 150 157.0 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 46.799 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014671.D
 Acq: 17 Jul 2023 14:44

Tgt Ion: 75 Resp: 4349
 Ion Ratio Lower Upper
 75 100
 77 23.1 0.0 0.0#





#77

Bromobenzene

Concen: 47.113 ug/l

RT: 12.368 min Scan# 11

Delta R.T. -0.237 min

Lab File: VY014671.D

Acq: 17 Jul 2023 14:44

Instrument :

MSVOA_Y

ClientSampleId :

SAMPLE-1

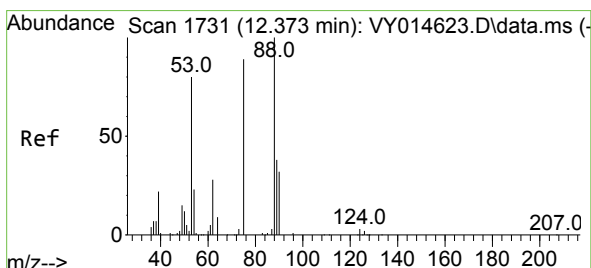
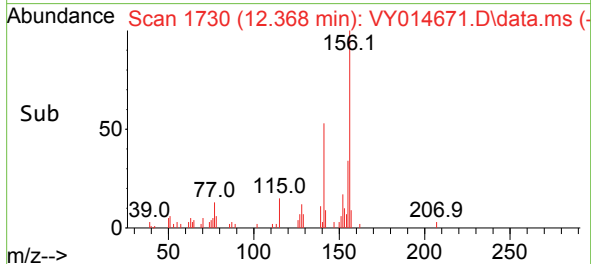
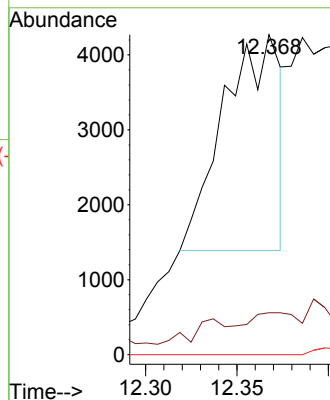
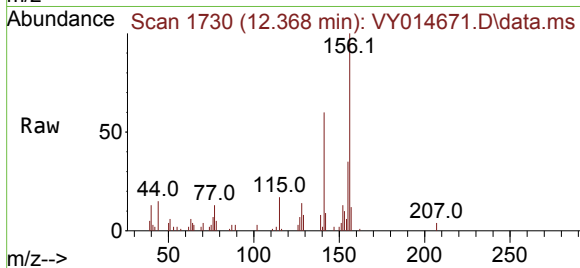
Tgt Ion:156 Resp: 6196

Ion Ratio Lower Upper

156 100

77 6.8 92.8 278.6#

158 0.0 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 6.896 ug/l

RT: 12.355 min Scan# 1728

Delta R.T. -0.018 min

Lab File: VY014671.D

Acq: 17 Jul 2023 14:44

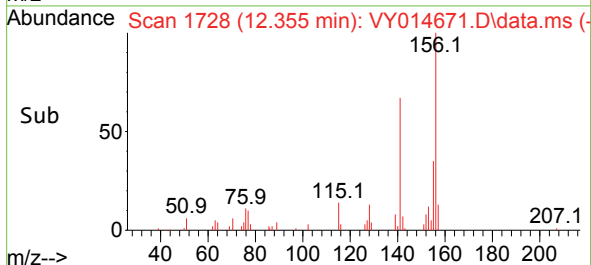
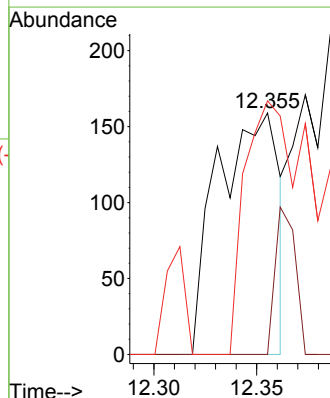
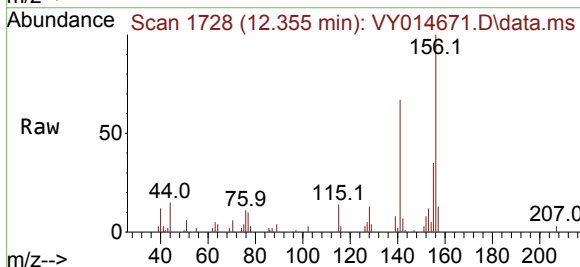
Tgt Ion: 75 Resp: 331

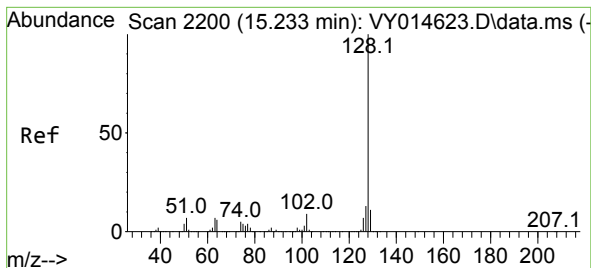
Ion Ratio Lower Upper

75 100

53 19.6 77.8 116.8#

89 103.6 37.4 56.0#





#95

Naphthalene

Concen: 4.190 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014671.D

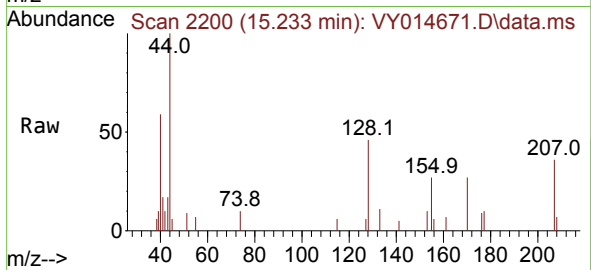
Acq: 17 Jul 2023 14:44

Instrument :

MSVOA_Y

ClientSampleId :

SAMPLE-1



Tgt Ion:128 Resp: 1453

Ion Ratio Lower Upper

128 100

127 3.2 10.8 16.2#

129 1.6 8.6 13.0#

