

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014756.D
 Acq On : 21 Jul 2023 18:53
 Operator : SY/MD
 Sample : 03706-06
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P20B

Quant Time: Jul 22 05:41:08 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)

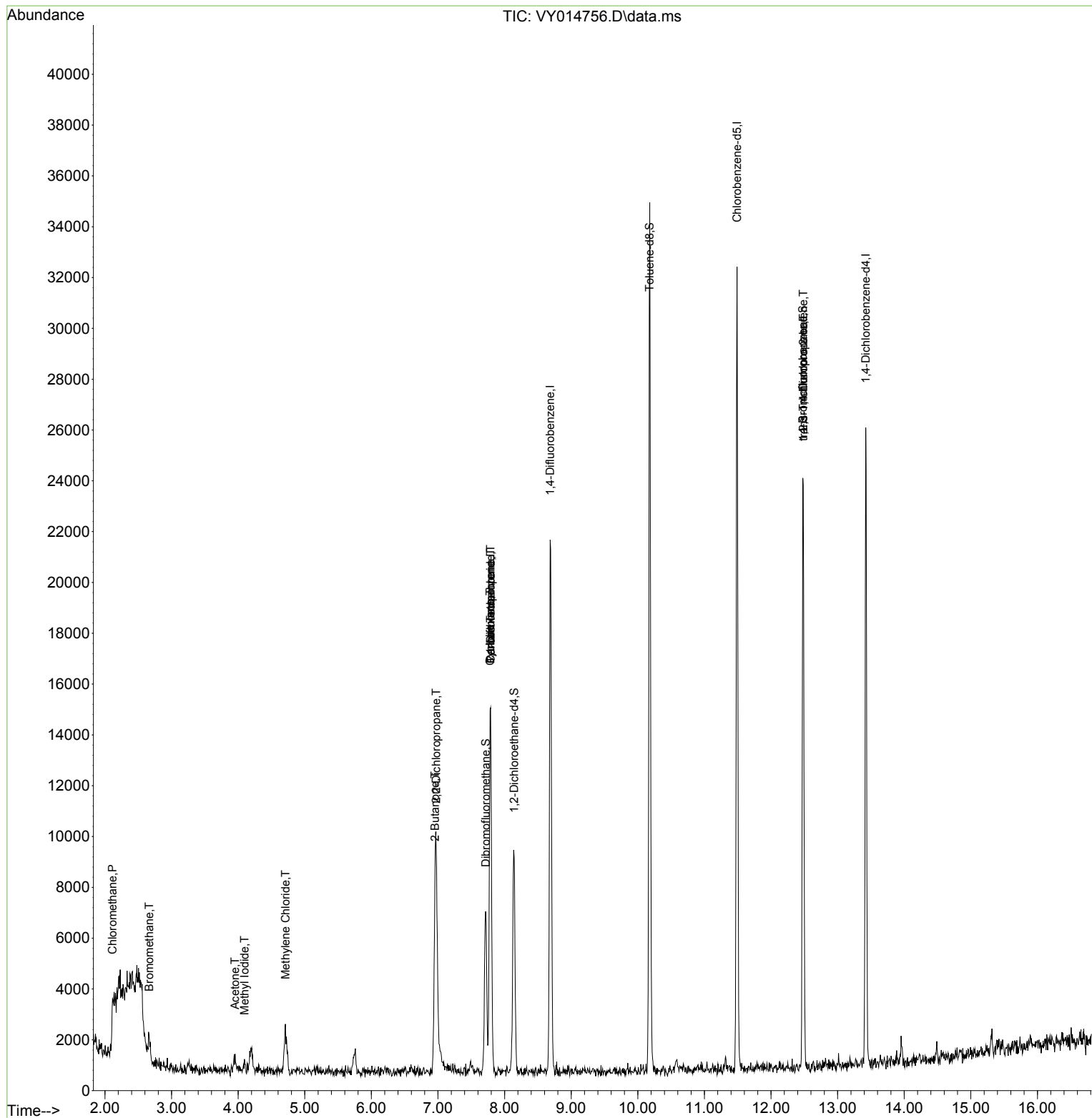
Internal Standards						
1) Pentafluorobenzene	7.789	168	12034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	19982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	17484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	6439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	6984	50.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.860%	
35) Dibromofluoromethane	7.716	113	4880	38.365	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 76.720%	
50) Toluene-d8	10.179	98	22676	48.354	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.700%	
62) 4-Bromofluorobenzene	12.477	95	7466	41.520	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.040%	
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	364	3.303	ug/l	93
5) Bromomethane	2.662	94	372	4.570	ug/l	97
10) Methyl Iodide	4.095	142	508	5.970	ug/l #	71
16) Acetone	3.954	43	1196	27.522	ug/l	96
20) Methylene Chloride	4.710	84	1267	5.191	ug/l	95
25) 2-Butanone	6.954	43	214	3.366	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	708	3.035	ug/l #	54
31) Cyclohexane	7.783	56	293	1.287	ug/l #	30
36) 1,1-Dichloropropene	7.789	75	1066	5.604	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1056	5.252	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	3829	47.084	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3829	91.163	ug/l #	10

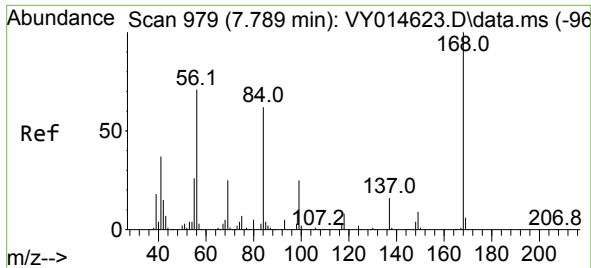
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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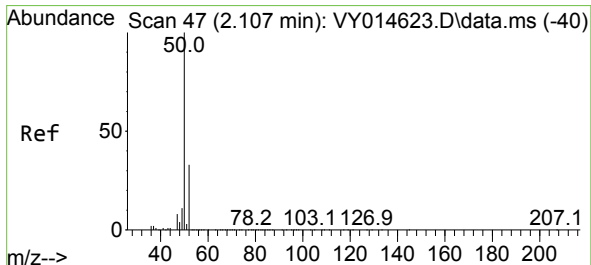
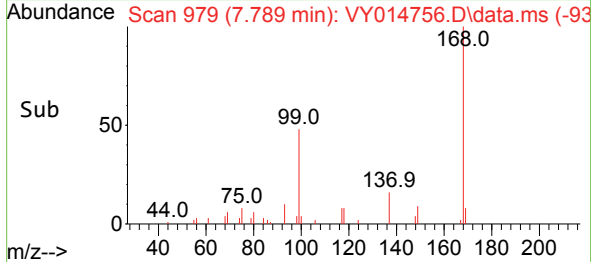
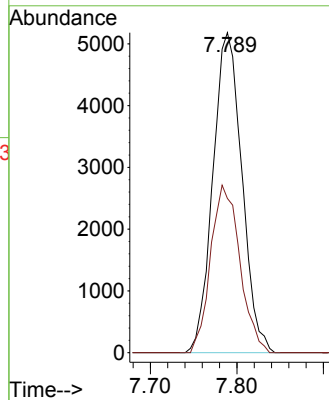
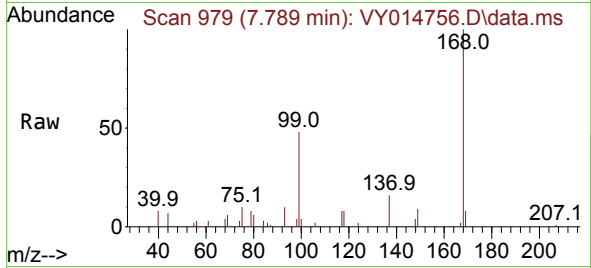




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

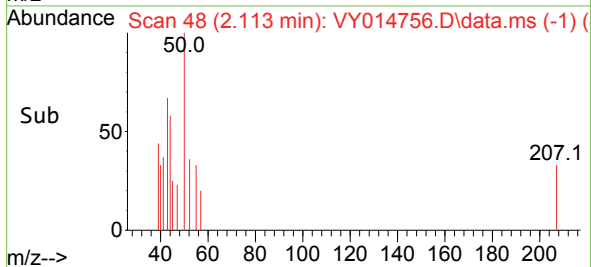
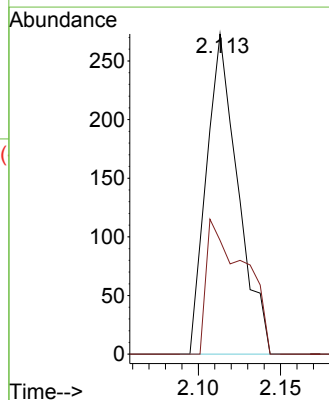
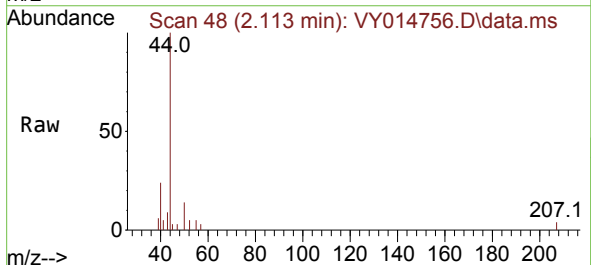
Instrument :
MSVOA_Y
ClientSampleId :
B-P20B

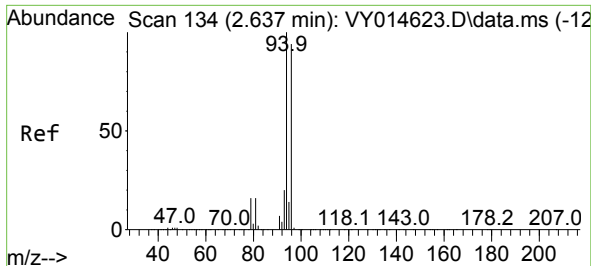
Tgt Ion:168 Resp: 12034
Ion Ratio Lower Upper
168 100
99 48.2 43.4 65.0



#3
Chloromethane
Concen: 3.303 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

Tgt Ion: 50 Resp: 364
Ion Ratio Lower Upper
50 100
52 35.5 25.4 38.2

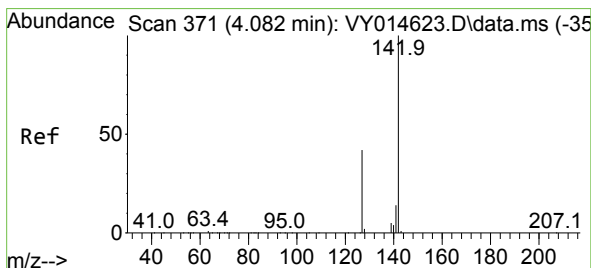
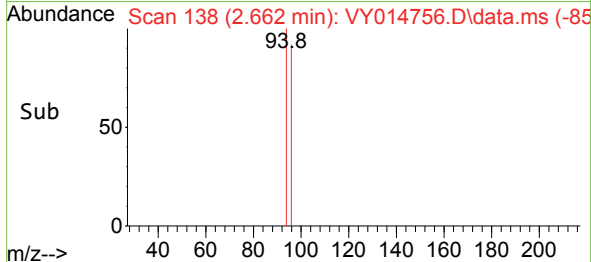
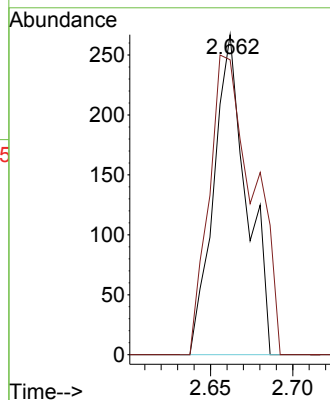
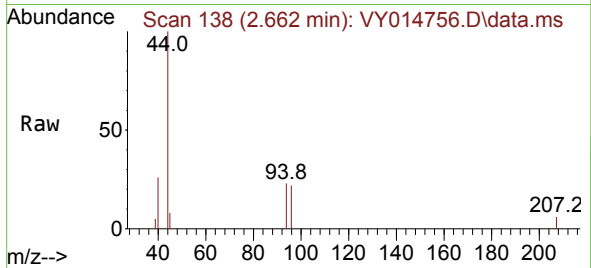




#5
Bromomethane
Concen: 4.570 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

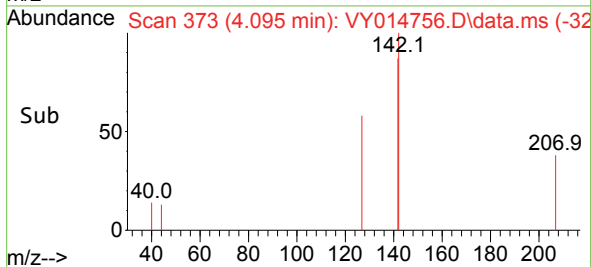
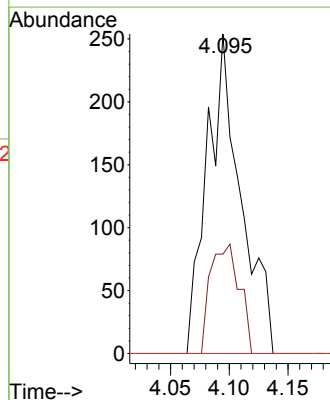
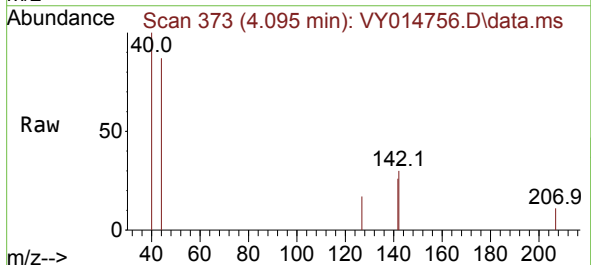
Instrument :
MSVOA_Y
ClientSampleId :
B-P20B

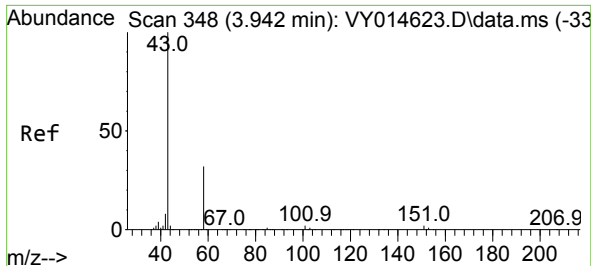
Tgt Ion: 94 Resp: 372
Ion Ratio Lower Upper
94 100
96 92.1 75.8 113.6



#10
Methyl Iodide
Concen: 5.970 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

Tgt Ion: 142 Resp: 508
Ion Ratio Lower Upper
142 100
127 29.3 37.6 56.4#
141 0.0 11.8 17.8#

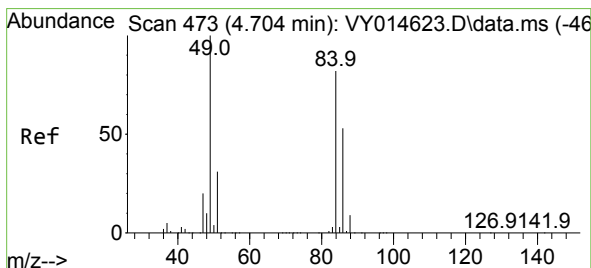
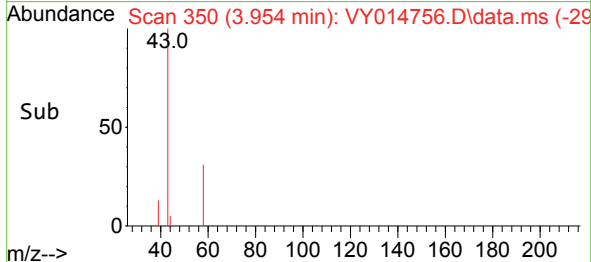
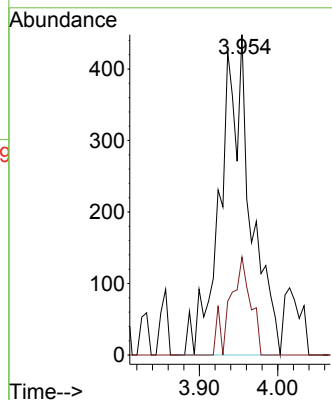
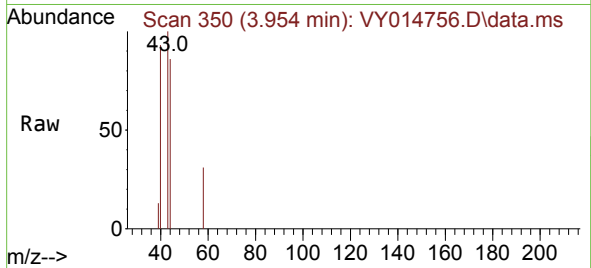




#16
Acetone
Concen: 27.522 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

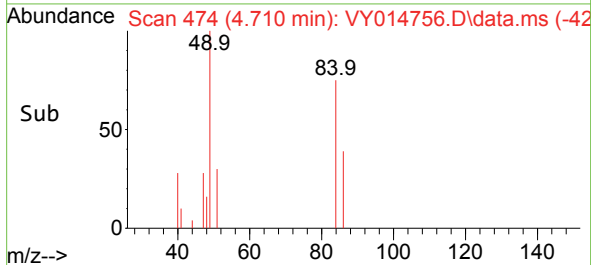
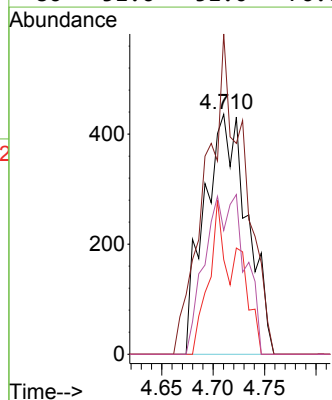
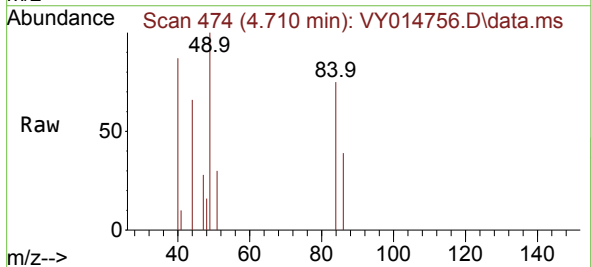
Instrument :
MSVOA_Y
ClientSampleId :
B-P20B

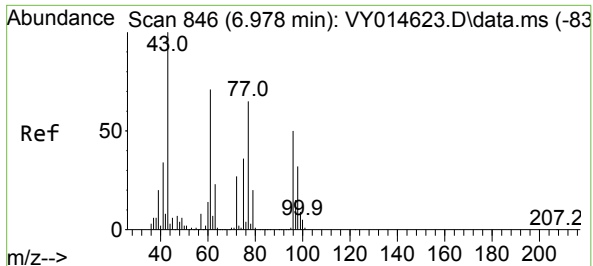
Tgt Ion: 43 Resp: 1196
Ion Ratio Lower Upper
43 100
58 30.6 22.7 34.1



#20
Methylene Chloride
Concen: 5.191 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

Tgt Ion: 84 Resp: 1267
Ion Ratio Lower Upper
84 100
49 133.5 106.9 160.3
51 39.4 33.2 49.8
86 51.6 51.0 76.6

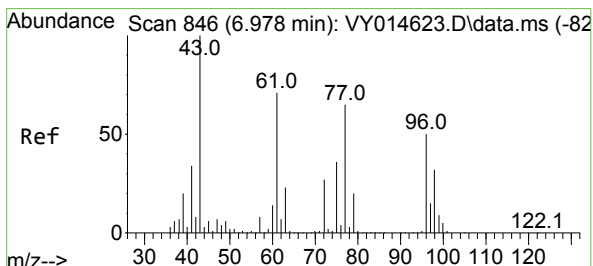
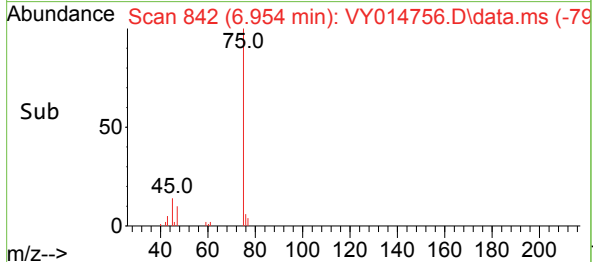
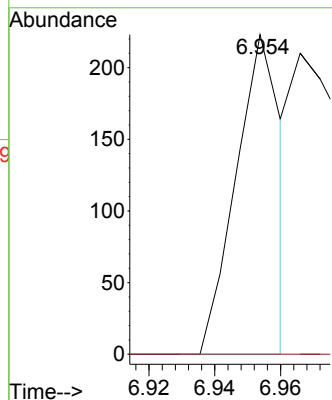
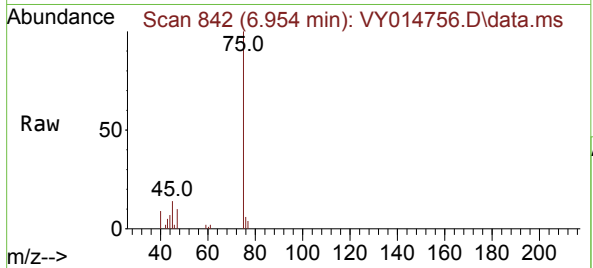




#25
2-Butanone
Concen: 3.366 ug/l
RT: 6.954 min Scan# 84
Delta R.T. -0.024 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

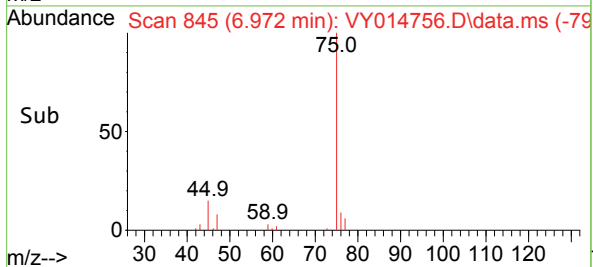
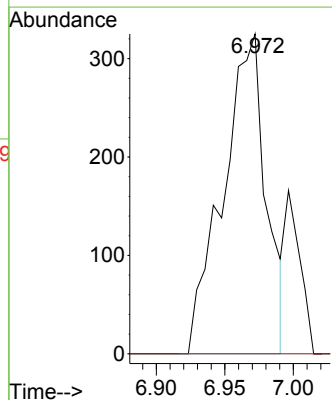
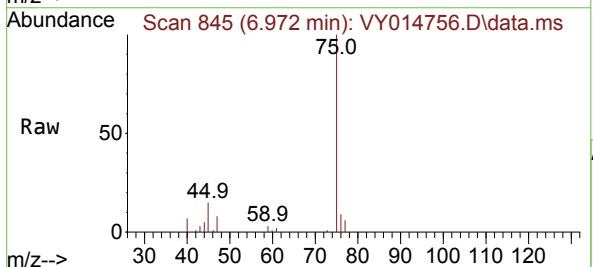
Instrument :
MSVOA_Y
ClientSampleId :
B-P20B

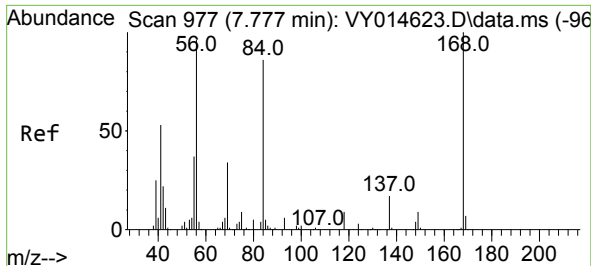
Tgt Ion: 43 Resp: 214
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 3.035 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

Tgt Ion: 77 Resp: 708
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

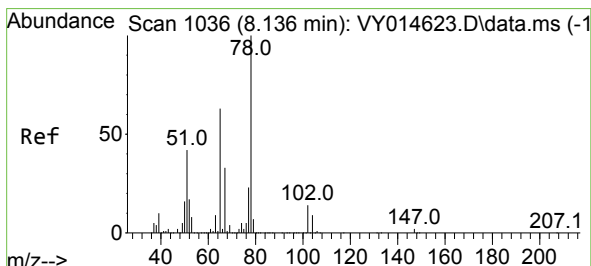
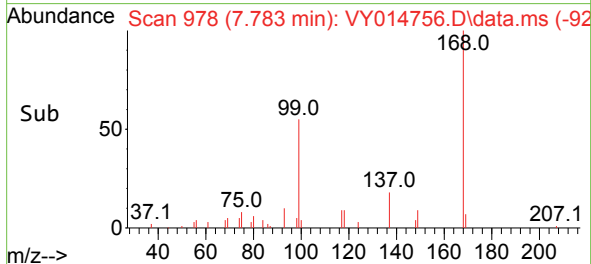
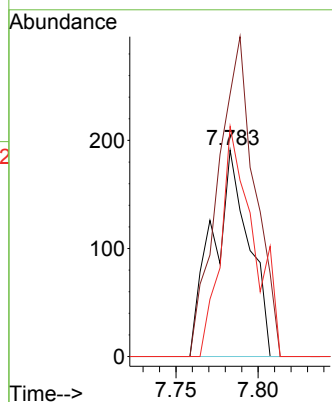
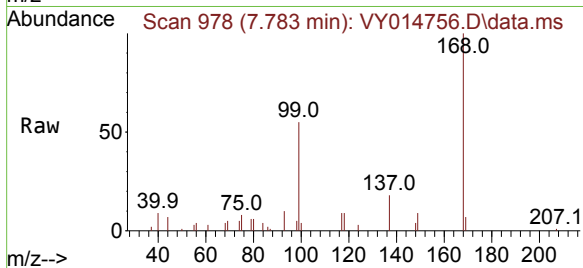




#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

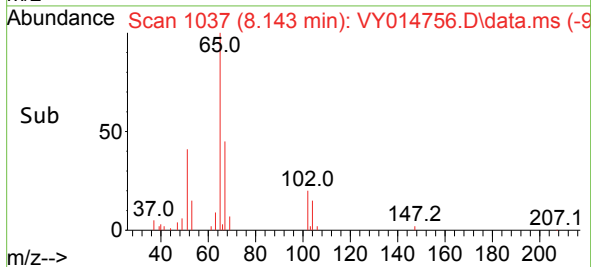
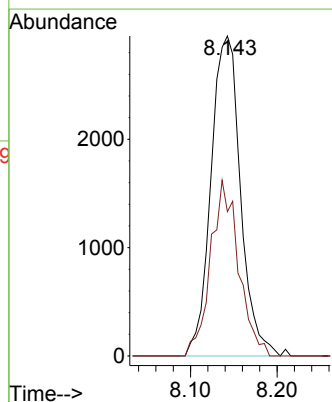
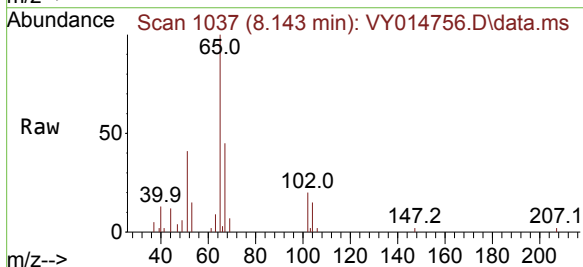
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MSVOA_Y
ClientSampleId :
B-P20B

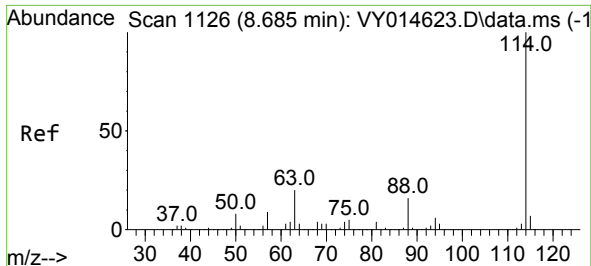
Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
69 127.2 27.8 41.6#
84 111.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.929 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

Tgt Ion: 65 Resp: 6984
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.8

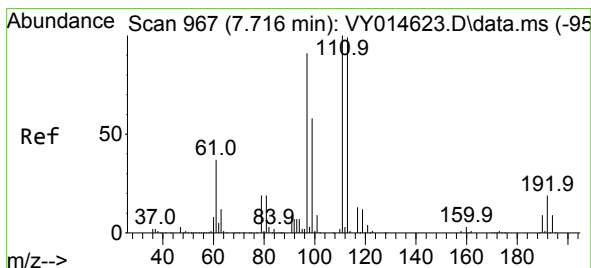
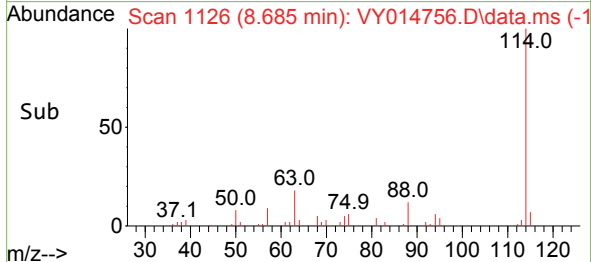
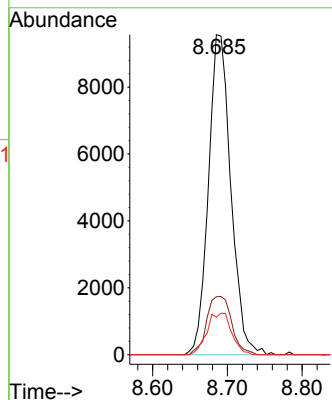
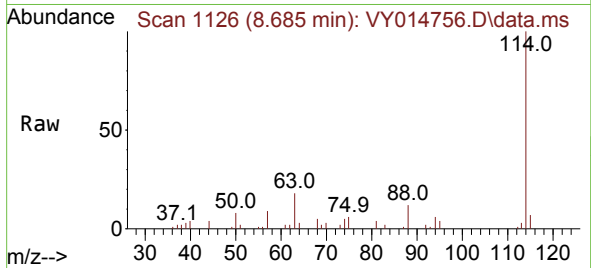




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

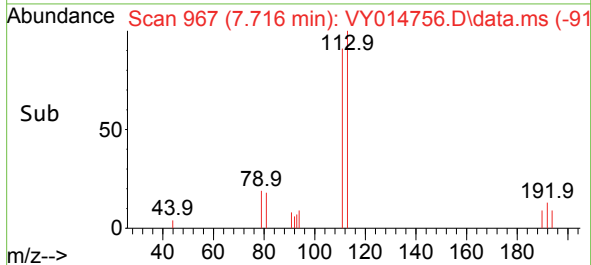
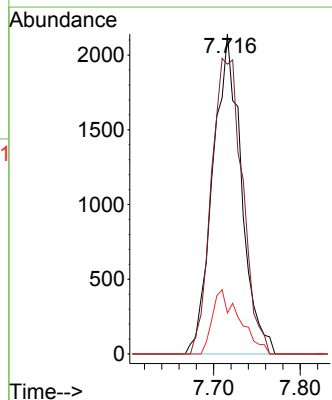
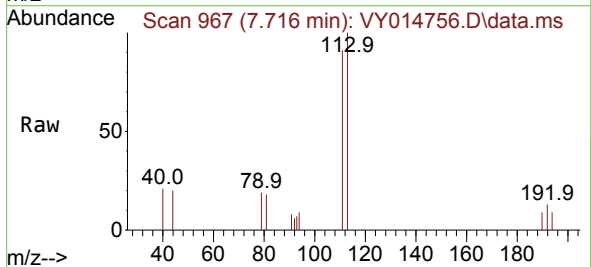
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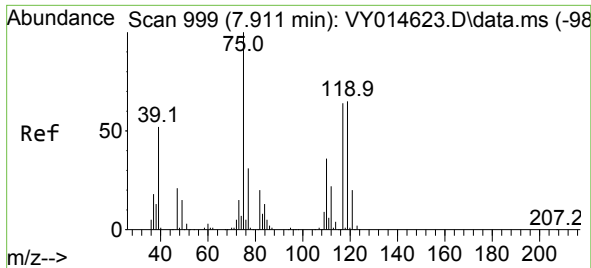
Tgt Ion:	114	Resp:	19982
Ion Ratio	Lower	Upper	
114	100		
63	18.1	0.0	42.4
88	11.7	0.0	30.6



#35
Dibromofluoromethane
Concen: 38.365 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

Tgt Ion:	113	Resp:	4880
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.3	121.9
192	19.2	16.9	25.3





#36

1,1-Dichloropropene

Concen: 5.604 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY014756.D

Acq: 21 Jul 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

B-P20B

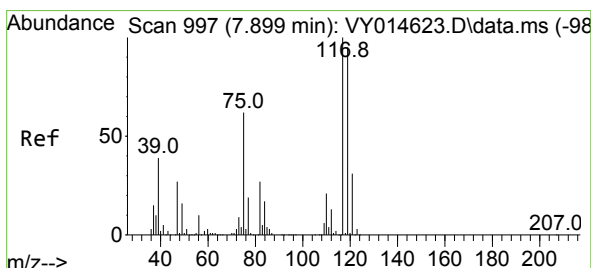
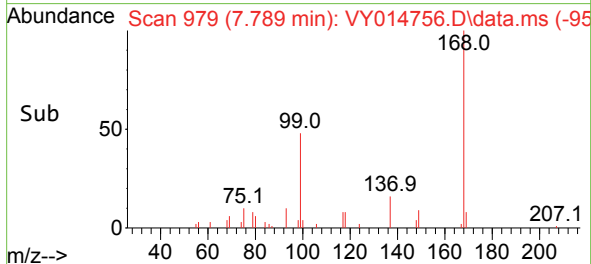
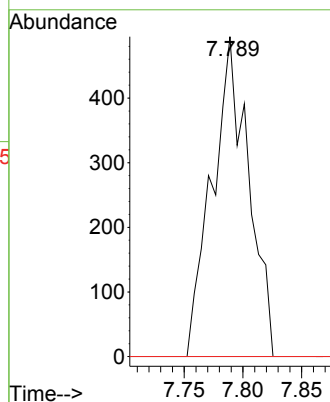
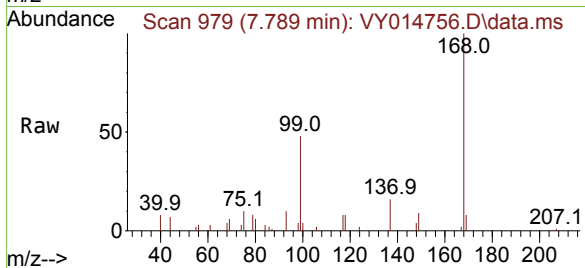
Tgt Ion: 75 Resp: 1066

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.252 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY014756.D

Acq: 21 Jul 2023 18:53

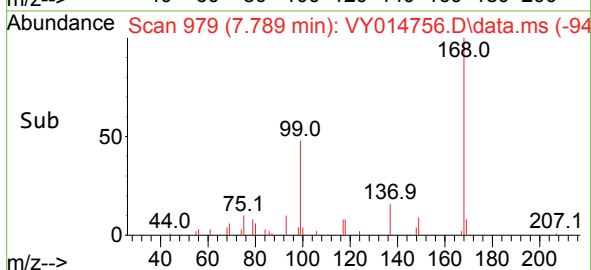
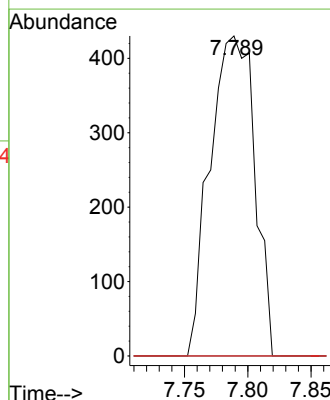
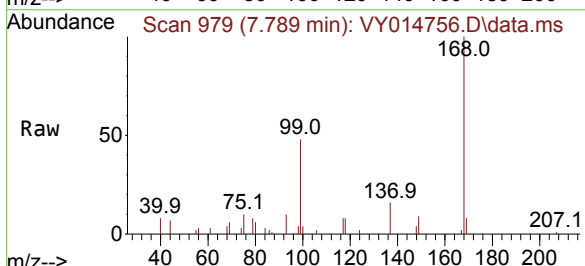
Tgt Ion: 117 Resp: 1056

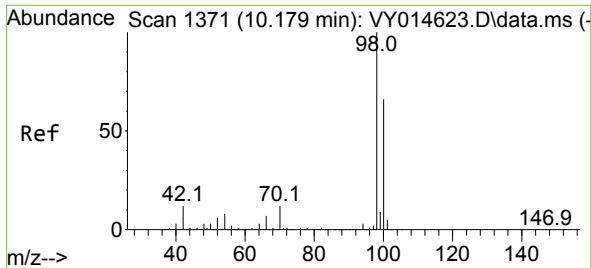
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

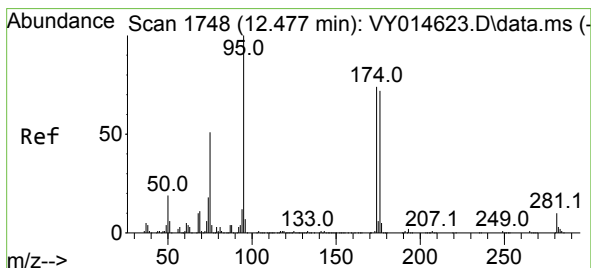
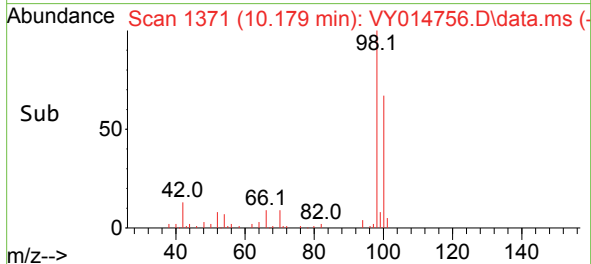
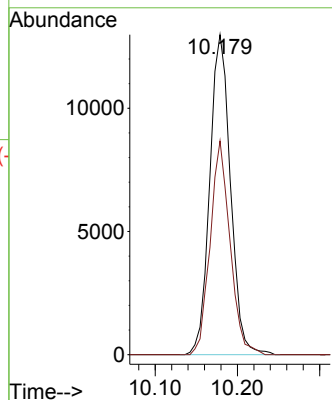
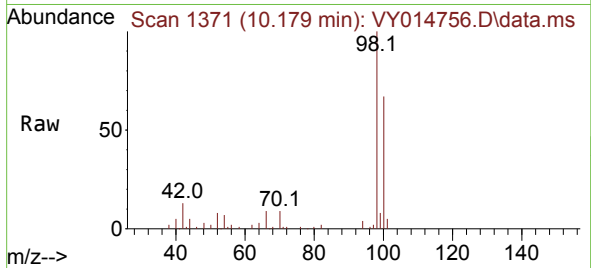




#50
Toluene-d8
Concen: 48.354 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

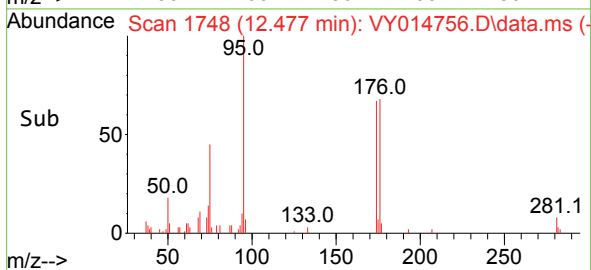
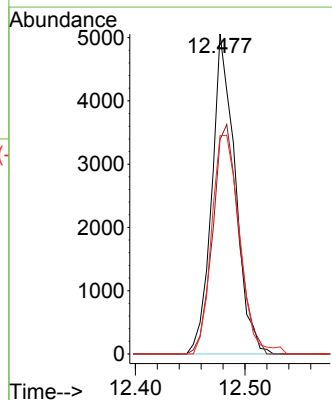
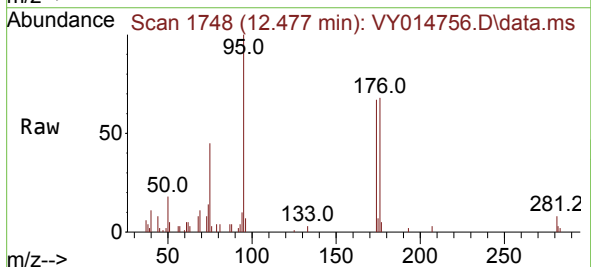
Instrument :
MSVOA_Y
ClientSampleId :
B-P20B

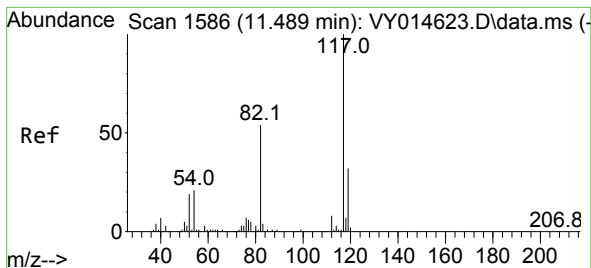
Tgt Ion: 98 Resp: 22676
Ion Ratio Lower Upper
98 100
100 64.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 41.520 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

Tgt Ion: 95 Resp: 7466
Ion Ratio Lower Upper
95 100
174 80.0 0.0 178.2
176 82.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014756.D

Acq: 21 Jul 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

B-P20B

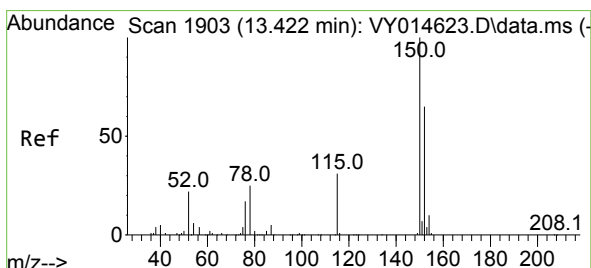
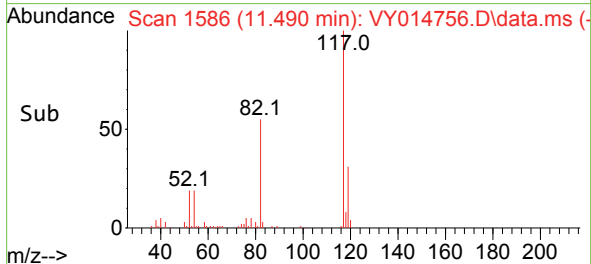
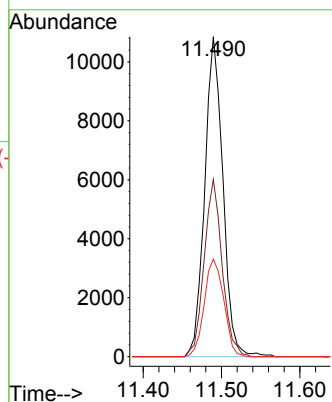
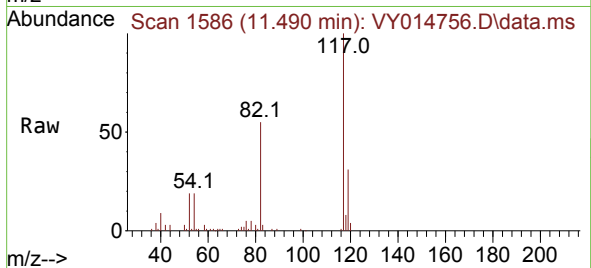
Tgt Ion:117 Resp: 17484

Ion Ratio Lower Upper

117 100

82 55.4 43.4 65.0

119 30.5 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: VY014756.D

Acq: 21 Jul 2023 18:53

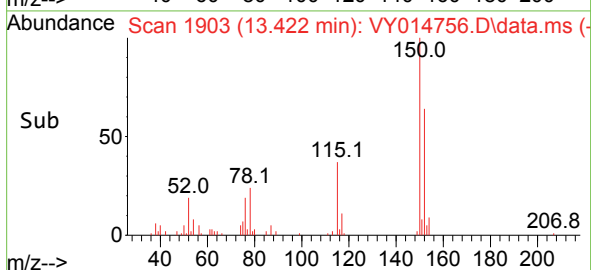
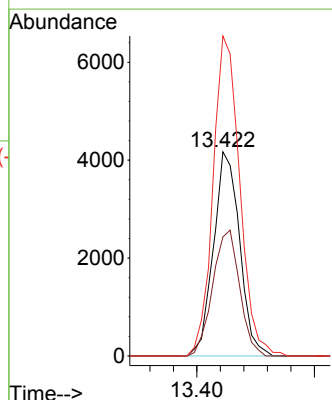
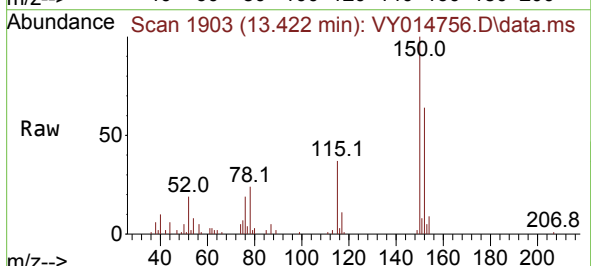
Tgt Ion:152 Resp: 6439

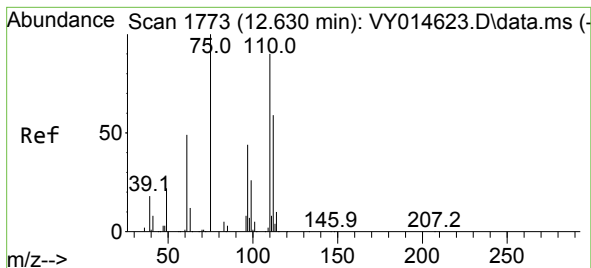
Ion Ratio Lower Upper

152 100

115 63.6 28.8 86.5

150 160.2 0.0 348.8

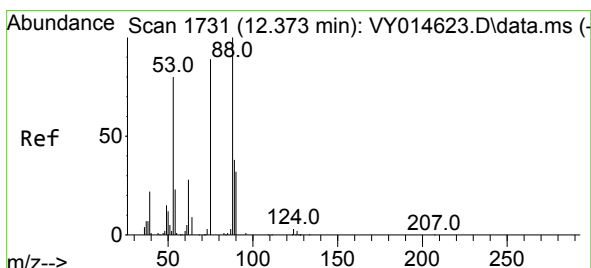
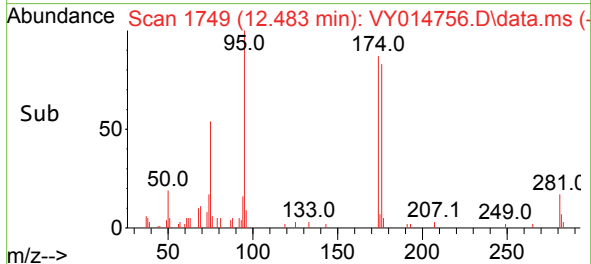
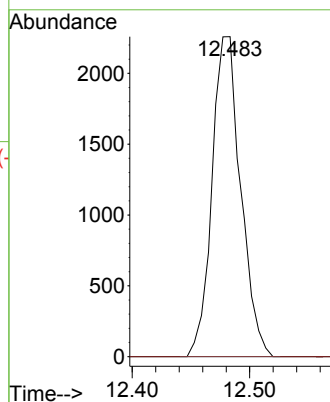
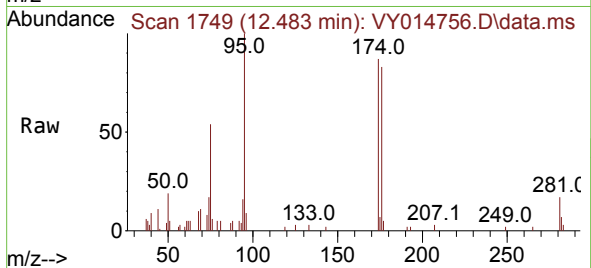




#76
1,2,3-Trichloropropane
Concen: 47.084 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

Instrument :
MSVOA_Y
ClientSampleId :
B-P20B

Tgt Ion: 75 Resp: 3829
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 91.163 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014756.D
Acq: 21 Jul 2023 18:53

Tgt Ion: 75 Resp: 3829
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

