

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041624\
 Data File : VY017946.D
 Acq On : 16 Apr 2024 13:28
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 17 06:09:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:02:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	353736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	621778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	557549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	225531	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	170321	55.640	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.280%	
35) Dibromofluoromethane	7.716	113	197507	51.488	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.980%	
50) Toluene-d8	10.179	98	715727	49.172	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.340%	
62) 4-Bromofluorobenzene	12.483	95	209367	46.444	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.880%	

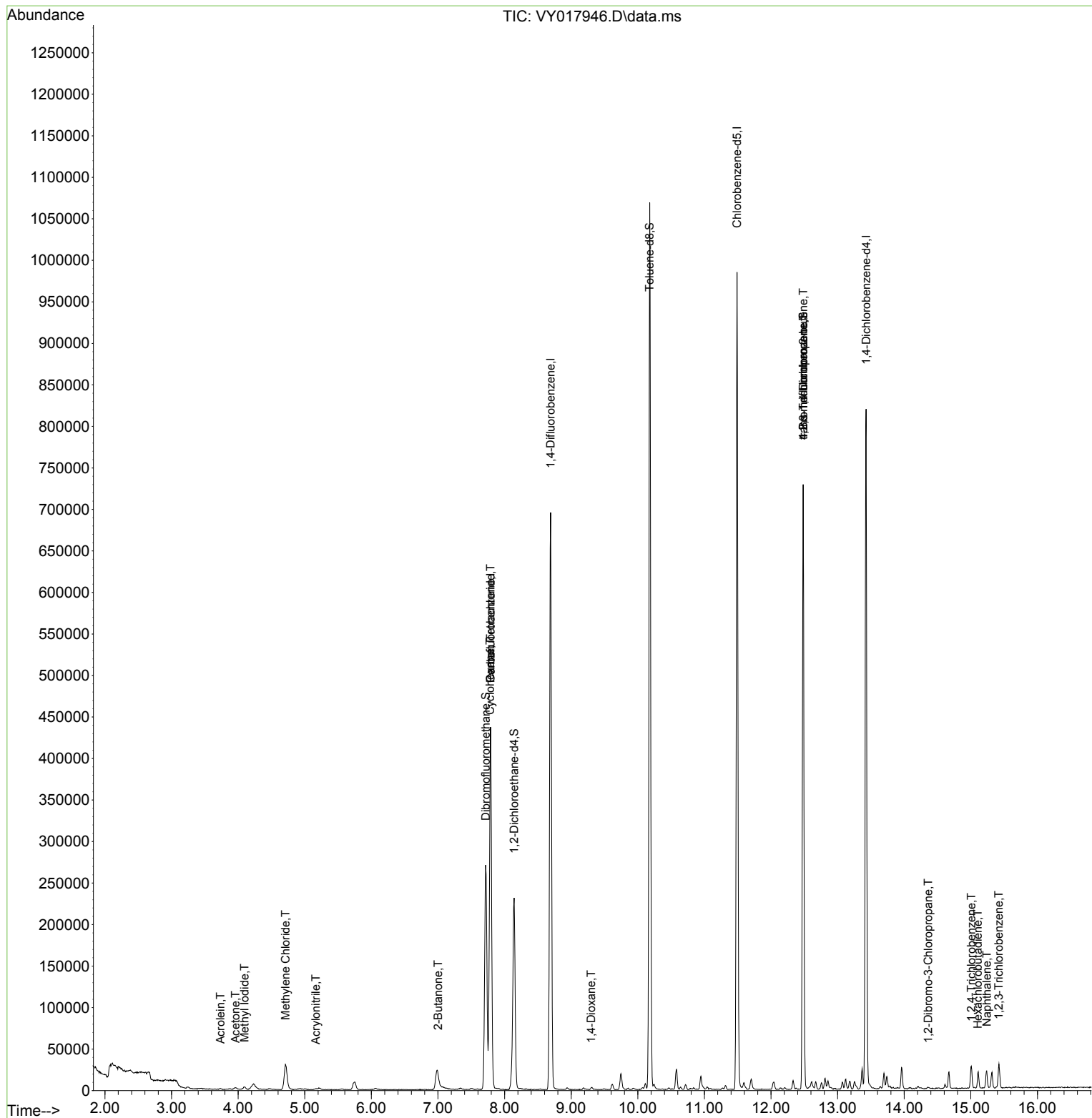
Target Compounds			Qvalue			
10) Methyl Iodide	4.094	142	5113	1.045	ug/l	99
11) Tert butyl alcohol	4.911	59	575	Below Cal	#	88
13) Acrolein	3.735	56	691	2.898	ug/l	98
15) Acrylonitrile	5.167	53	1667	2.200	ug/l #	88
16) Acetone	3.960	43	4385	7.250	ug/l	93
20) Methylene Chloride	4.710	84	23955	5.846	ug/l	97
25) 2-Butanone	7.002	43	2230	2.508	ug/l #	75
31) Cyclohexane	7.783	56	6819	1.165	ug/l #	1
38) Carbon Tetrachloride	7.789	117	31867	5.654	ug/l #	17
49) 1,4-Dioxane	9.301	88	58	2.283	ug/l #	70
76) 1,2,3-Trichloropropane	12.483	75	104253	49.385	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	104253	101.567	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.361	75	469	1.190	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	9094	2.294	ug/l	95
94) Hexachlorobutadiene	15.105	225	3230	1.373	ug/l	93
95) Naphthalene	15.239	128	17400	2.664	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	9277	2.789	ug/l	99

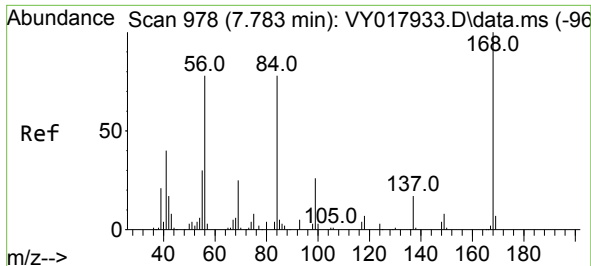
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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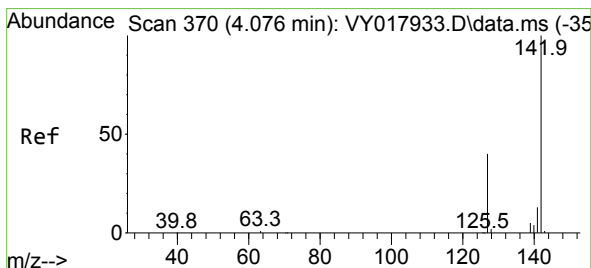
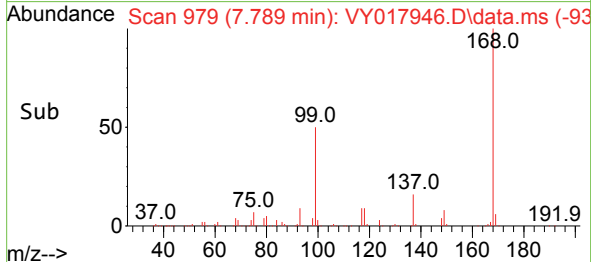
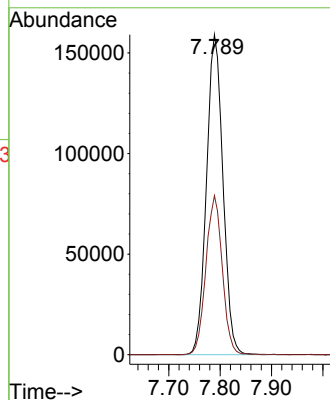
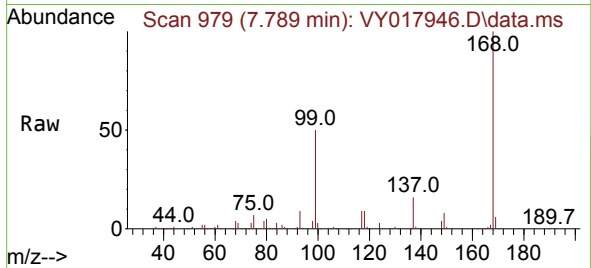




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

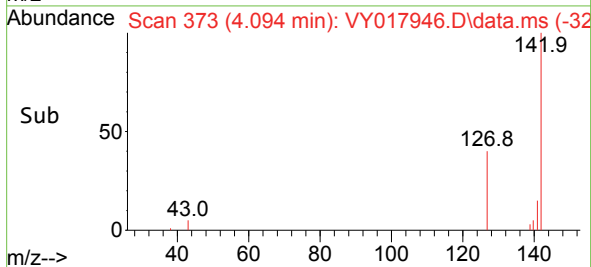
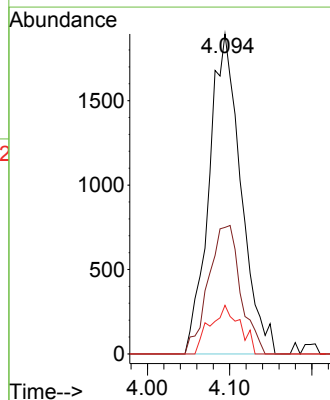
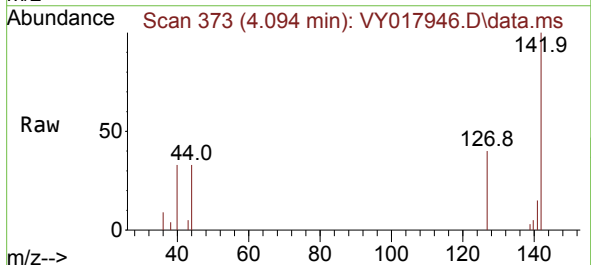
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

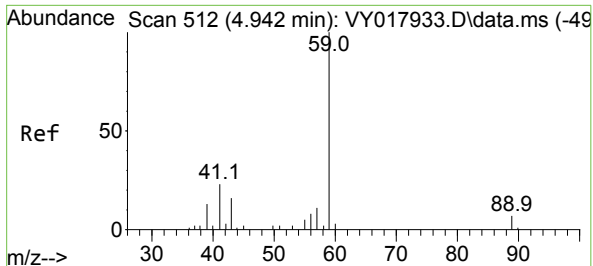
Tgt Ion:168 Resp: 353736
Ion Ratio Lower Upper
168 100
99 49.7 39.1 58.7



#10
Methyl Iodide
Concen: 1.045 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

Tgt Ion:142 Resp: 5113
Ion Ratio Lower Upper
142 100
127 40.5 32.8 49.2
141 14.1 11.4 17.2

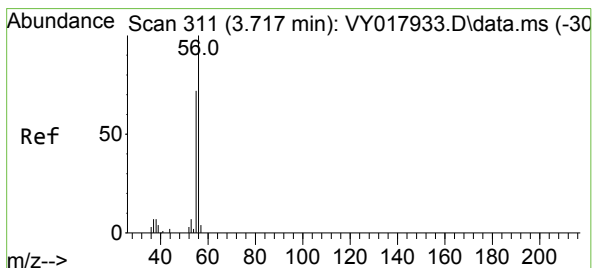
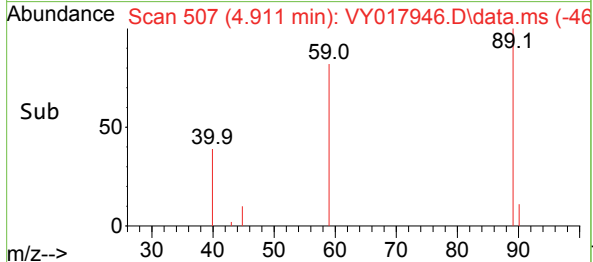
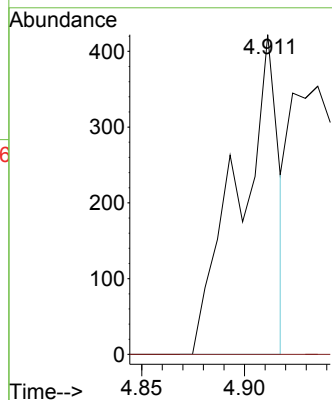
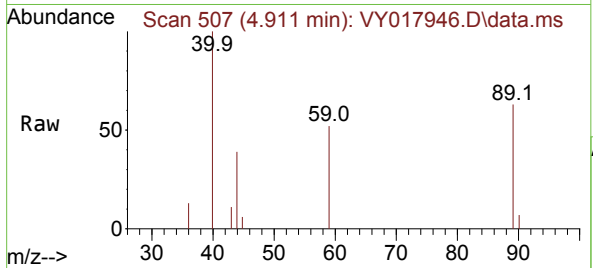




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

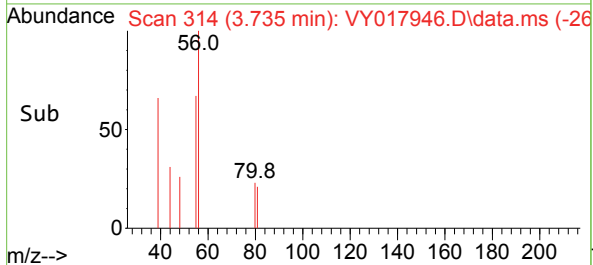
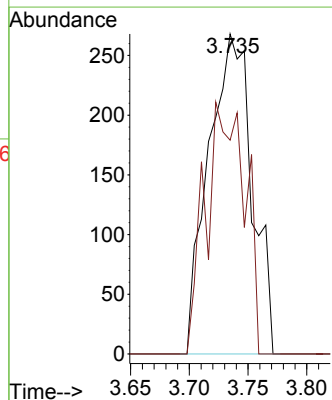
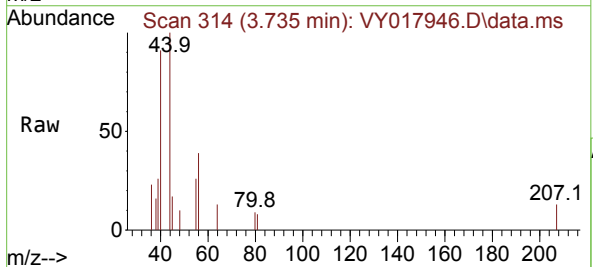
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

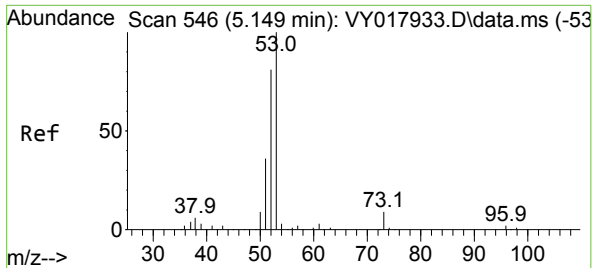
Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: 2.898 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

Tgt Ion: 56 Resp: 691
Ion Ratio Lower Upper
56 100
55 71.5 55.7 83.5

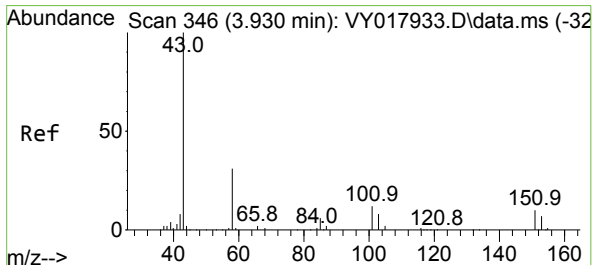
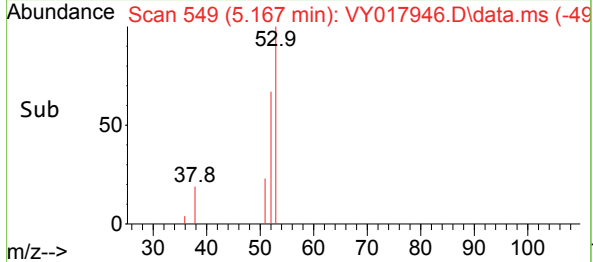
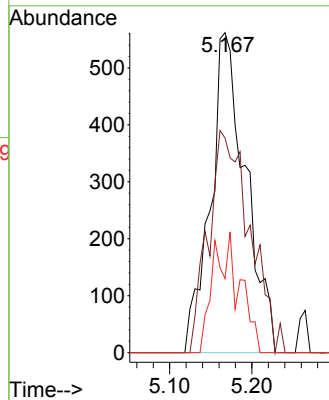
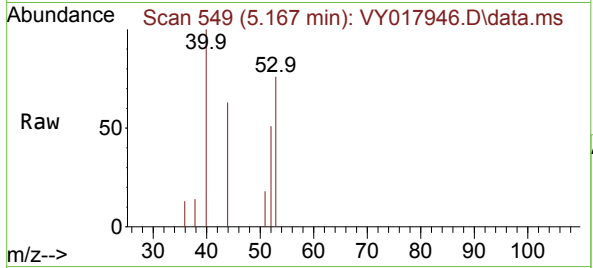




#15
Acrylonitrile
Concen: 2.200 ug/l
RT: 5.167 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

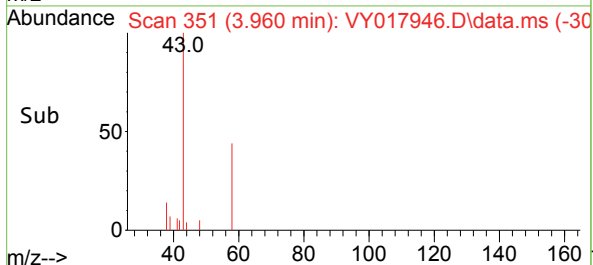
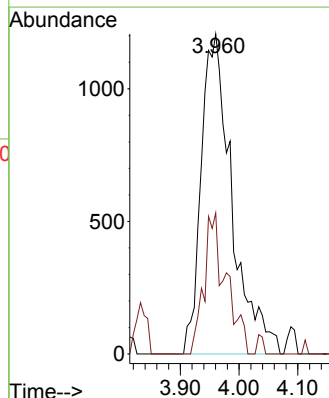
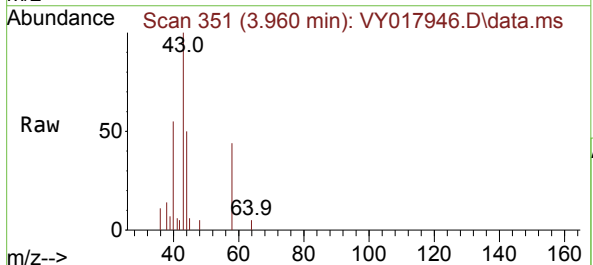
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

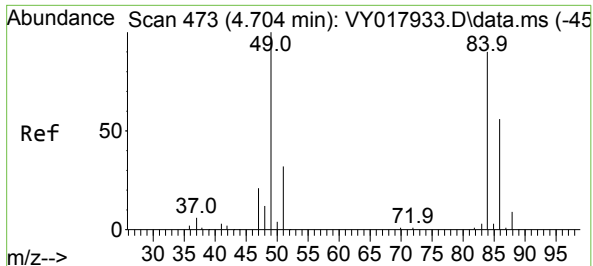
Tgt Ion: 53 Resp: 1667
Ion Ratio Lower Upper
53 100
52 81.6 64.7 97.1
51 13.9 28.4 42.6#



#16
Acetone
Concen: 7.250 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

Tgt Ion: 43 Resp: 4385
Ion Ratio Lower Upper
43 100
58 44.1 31.7 47.5

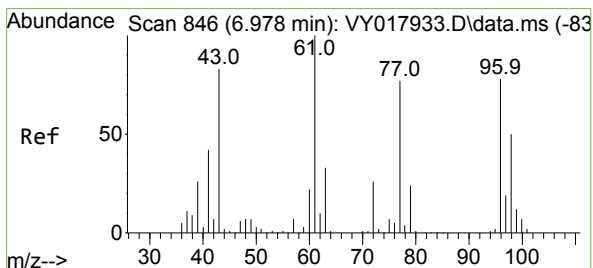
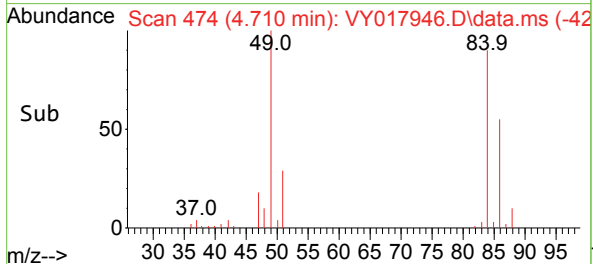
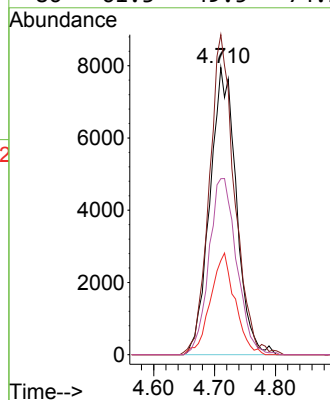
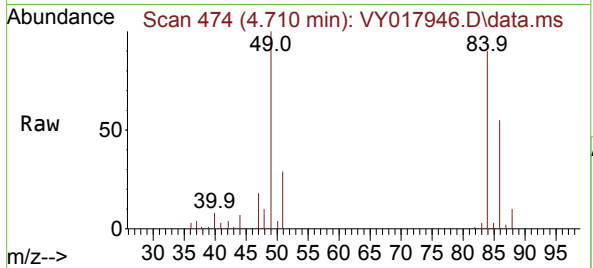




#20
Methylene Chloride
Concen: 5.846 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

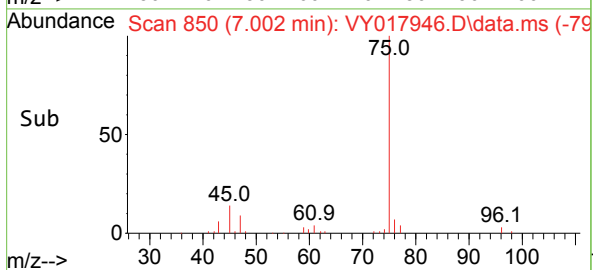
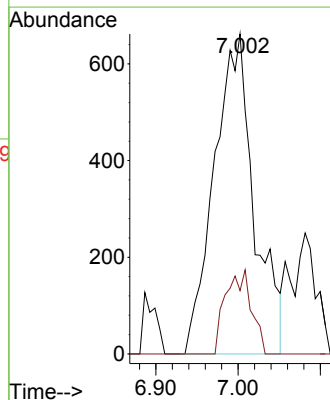
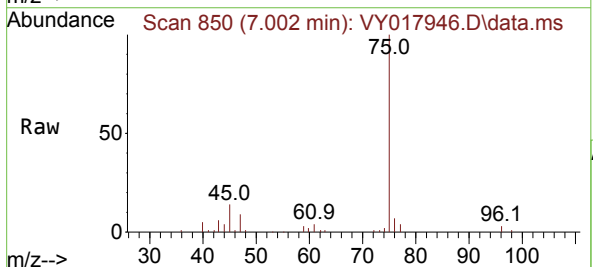
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

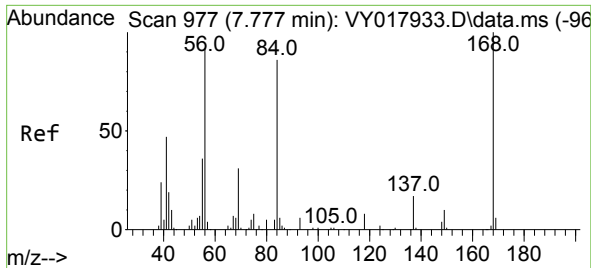
Tgt Ion:	84	Resp:	23955
Ion	Ratio	Lower	Upper
84	100		
49	111.4	84.4	126.6
51	32.8	26.0	39.0
86	61.3	49.5	74.3



#25
2-Butanone
Concen: 2.508 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.018 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

Tgt Ion:	43	Resp:	2230
Ion	Ratio	Lower	Upper
43	100		
72	19.8	27.3	40.9#

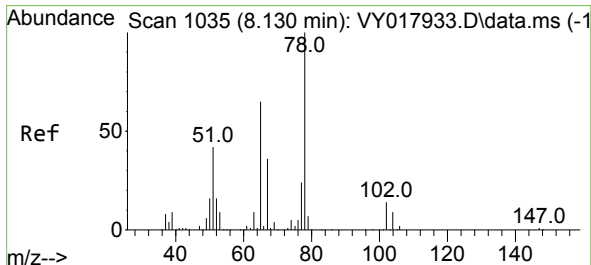
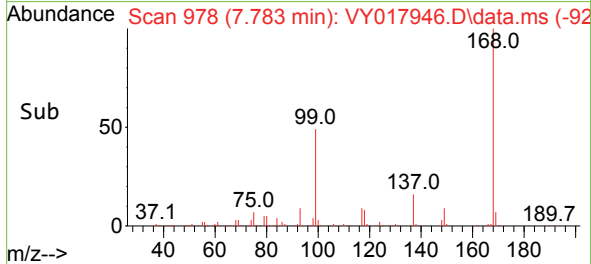
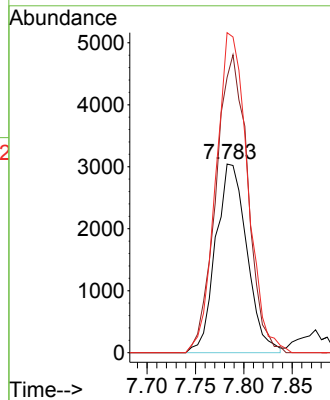
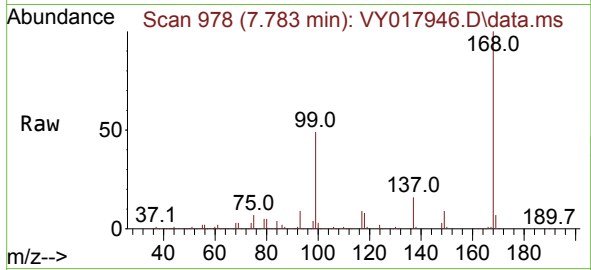




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

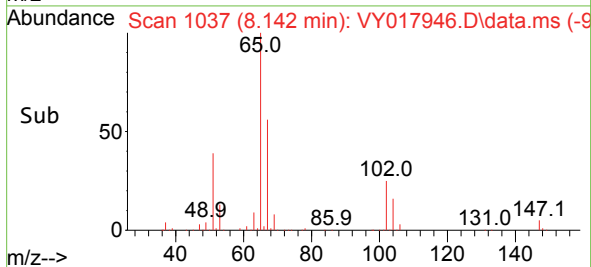
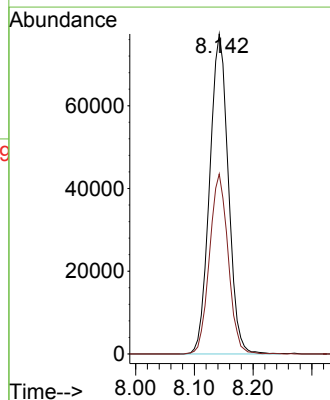
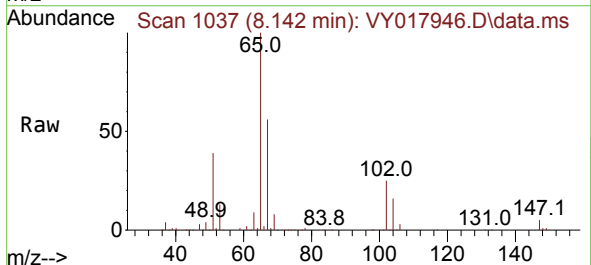
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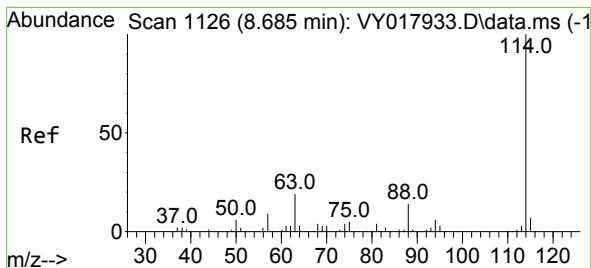
Tgt Ion: 56 Resp: 6819
Ion Ratio Lower Upper
56 100
69 145.9 28.7 43.1#
84 169.7 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 55.640 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

Tgt Ion: 65 Resp: 170321
Ion Ratio Lower Upper
65 100
67 56.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY017946.D

Acq: 16 Apr 2024 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

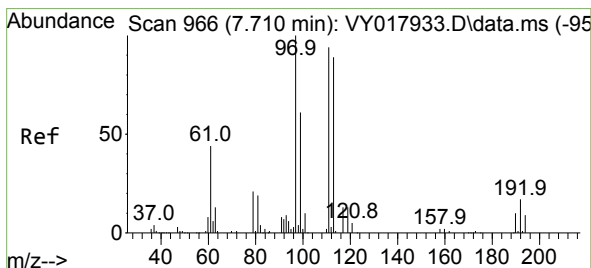
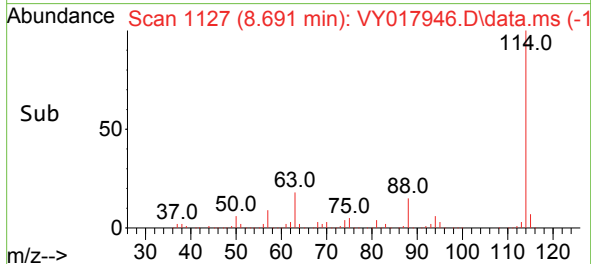
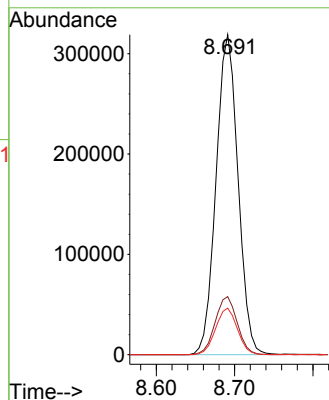
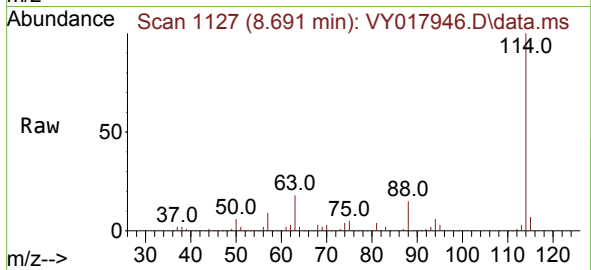
Tgt Ion:114 Resp: 621778

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 14.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.488 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY017946.D

Acq: 16 Apr 2024 13:28

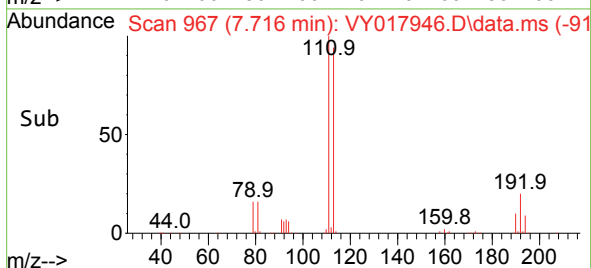
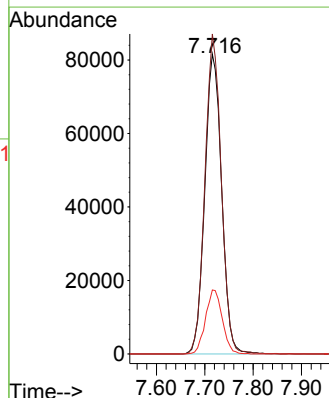
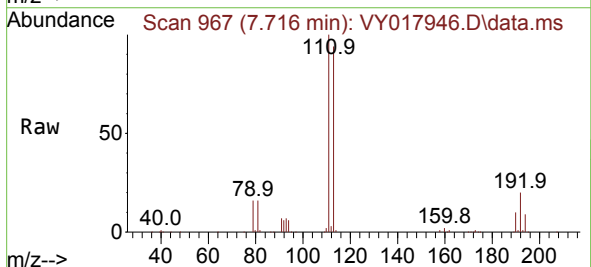
Tgt Ion:113 Resp: 197507

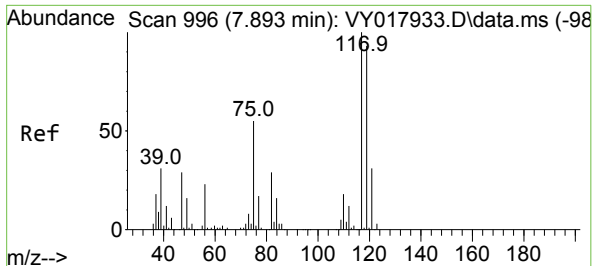
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 21.2 15.9 23.9

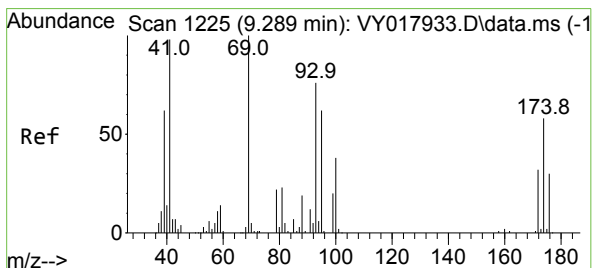
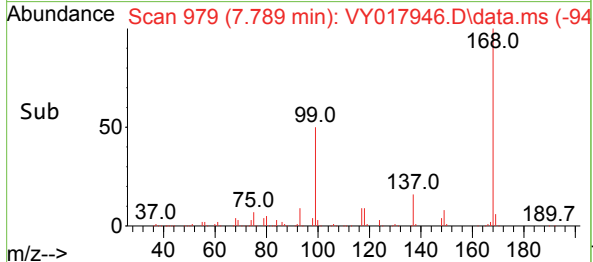
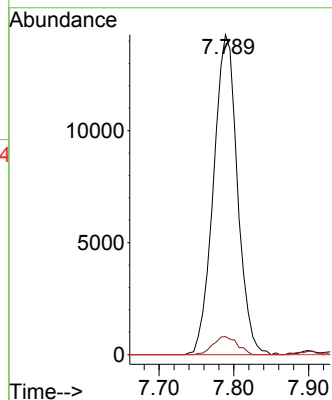
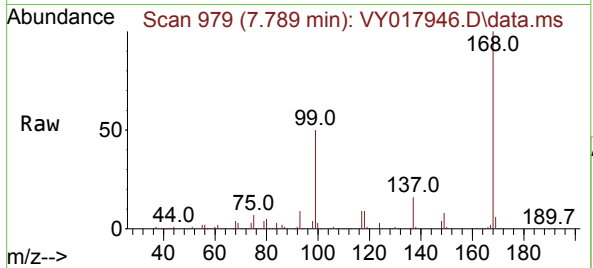




#38
Carbon Tetrachloride
Concen: 5.654 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

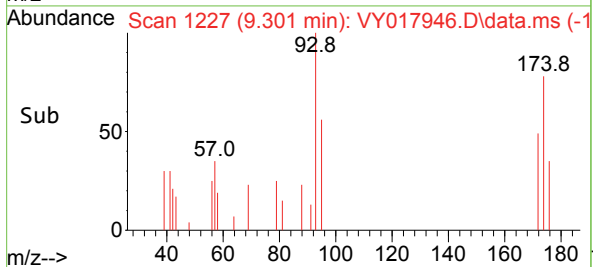
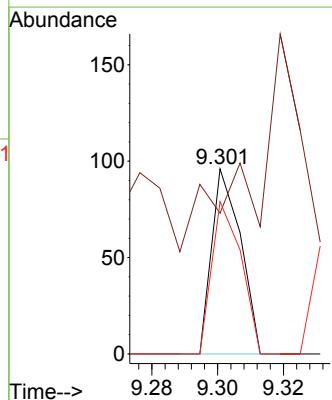
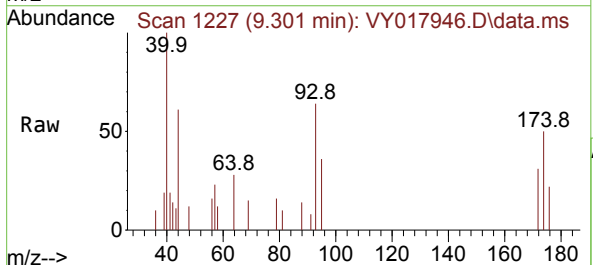
Instrument :
MSVOA_Y
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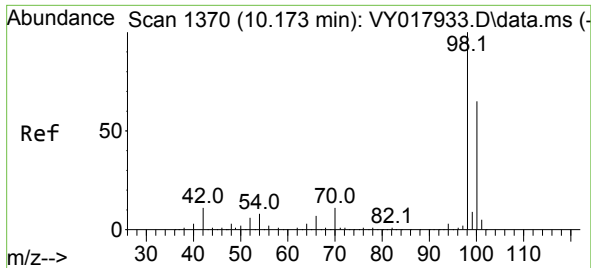
Tgt Ion:117 Resp: 31867
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 2.283 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 84.5 49.3 73.9#

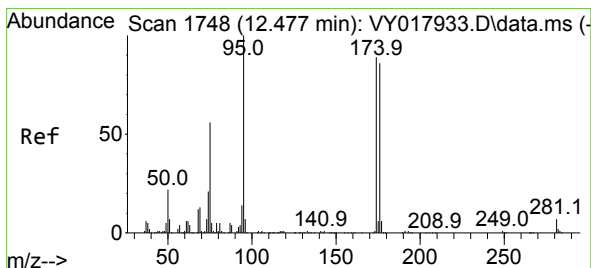
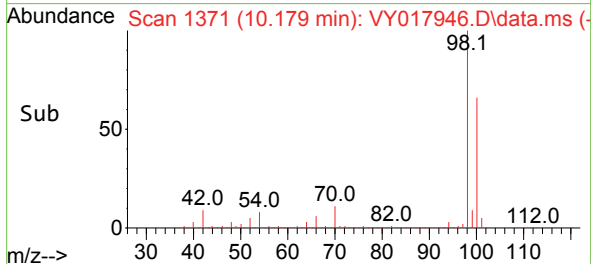
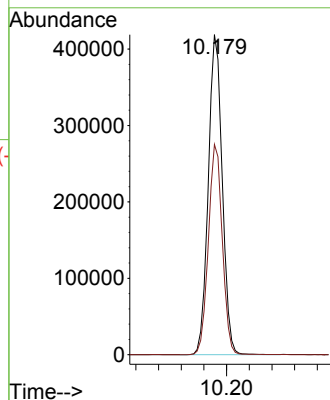
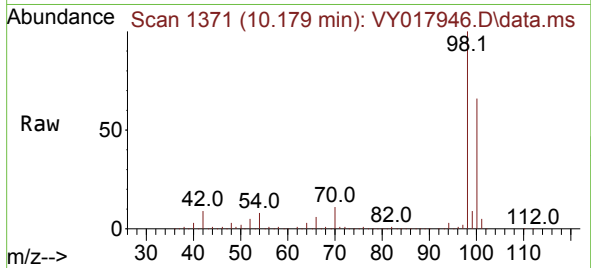




#50
Toluene-d8
Concen: 49.172 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

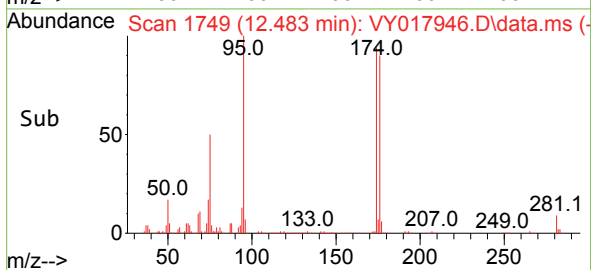
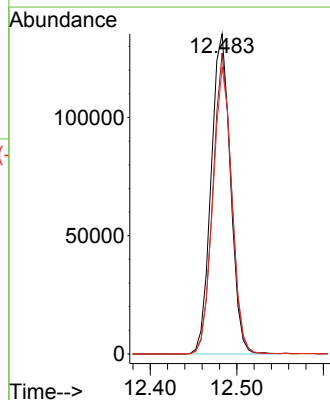
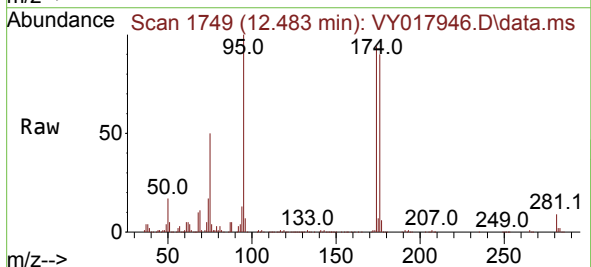
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

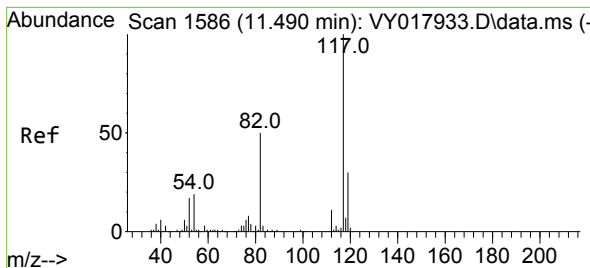
Tgt Ion: 98 Resp: 715727
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.444 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

Tgt Ion: 95 Resp: 209367
Ion Ratio Lower Upper
95 100
174 90.6 0.0 175.6
176 88.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017946.D

Acq: 16 Apr 2024 13:28

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

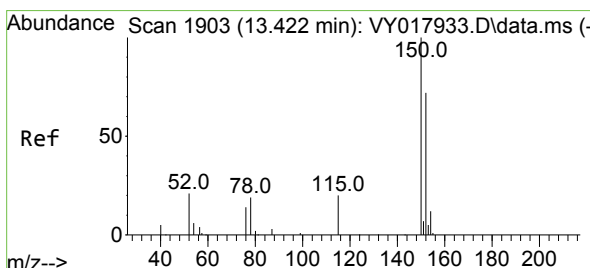
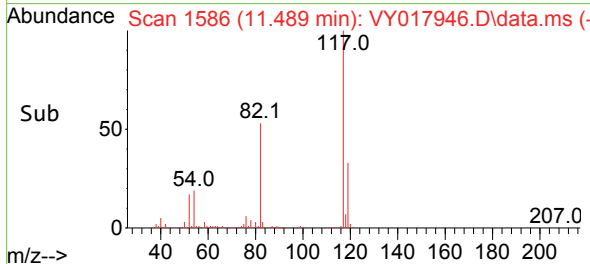
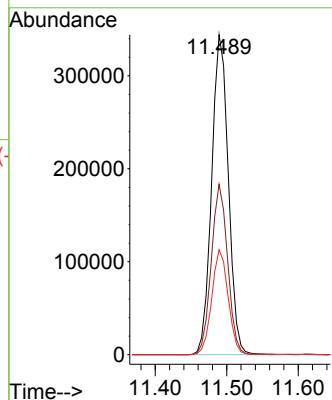
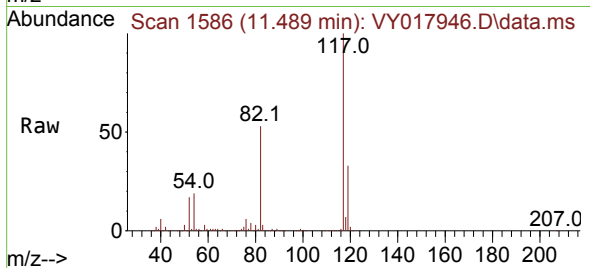
Tgt Ion:117 Resp: 557549

Ion Ratio Lower Upper

117 100

82 53.2 42.4 63.6

119 32.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY017946.D

Acq: 16 Apr 2024 13:28

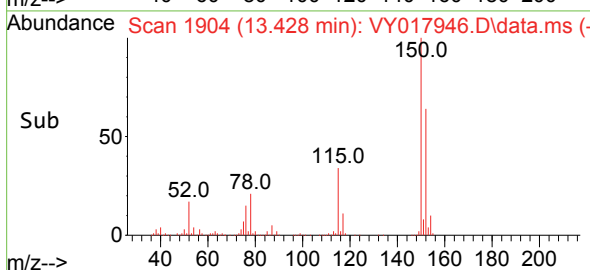
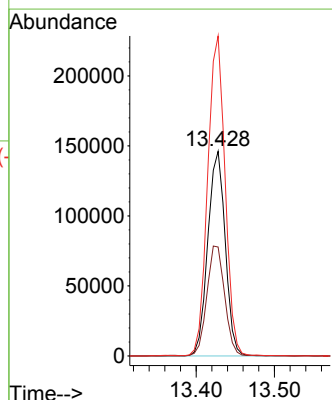
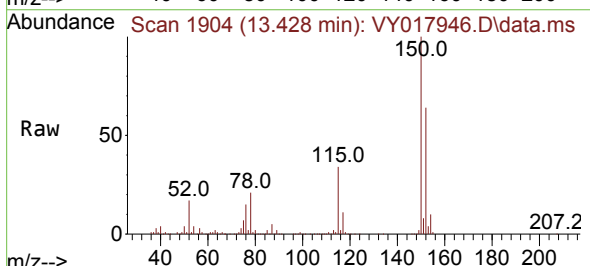
Tgt Ion:152 Resp: 225531

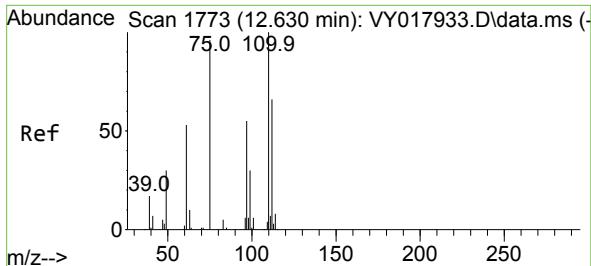
Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.7

150 156.0 0.0 345.6

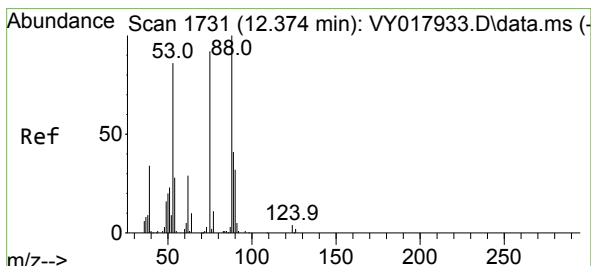
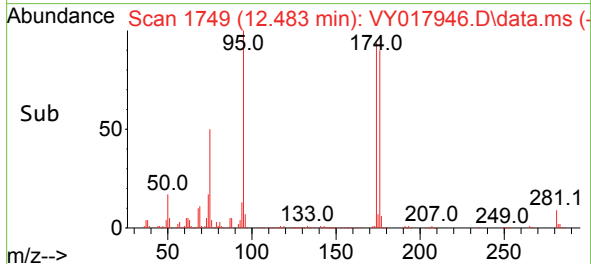
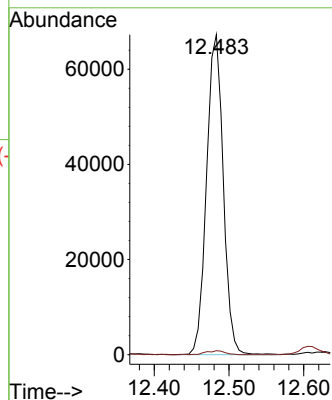
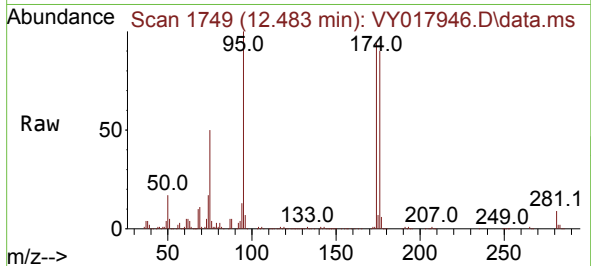




#76
1,2,3-Trichloropropane
Concen: 49.385 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

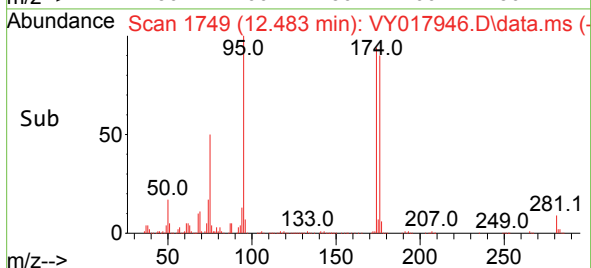
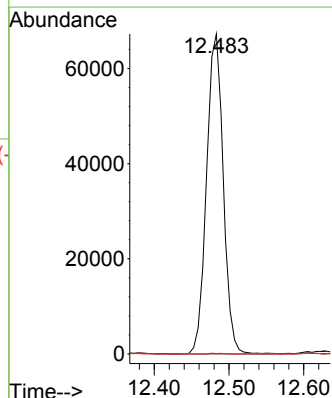
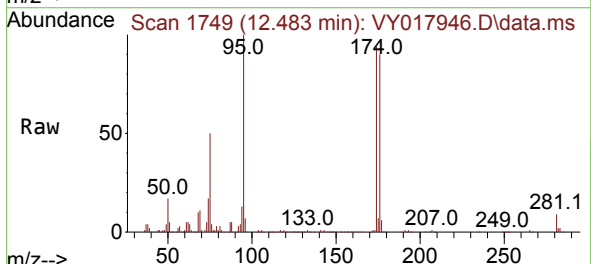
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

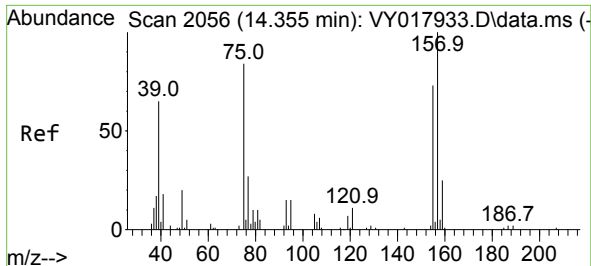
Tgt Ion: 75 Resp: 104253
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.567 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

Tgt Ion: 75 Resp: 104253
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.0 35.8 53.6#

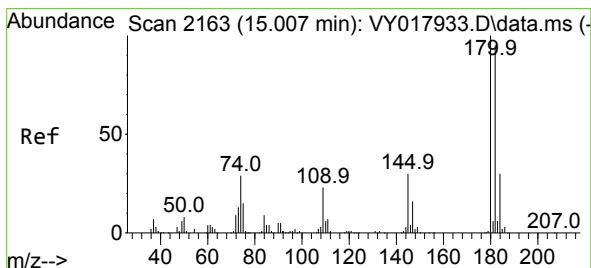
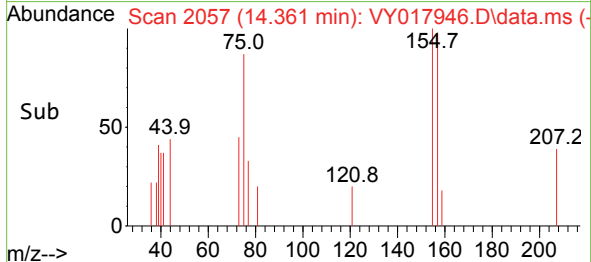
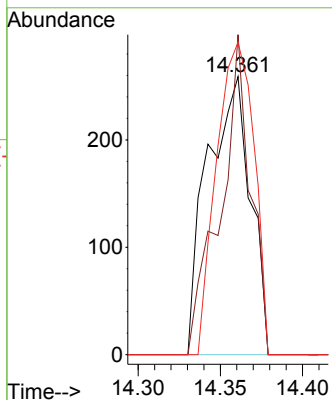
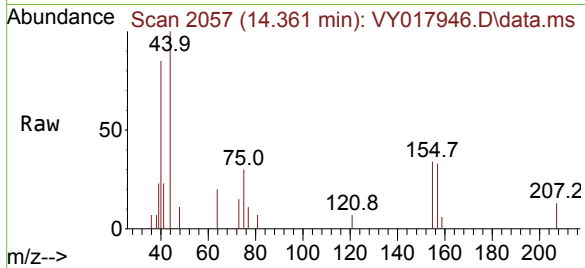




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.190 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

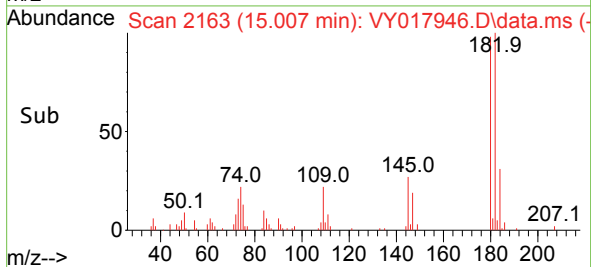
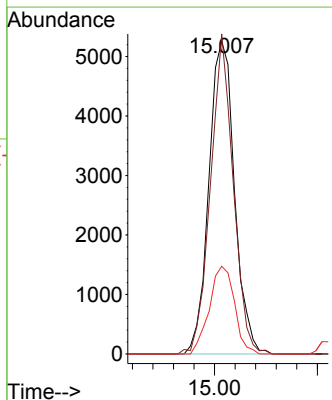
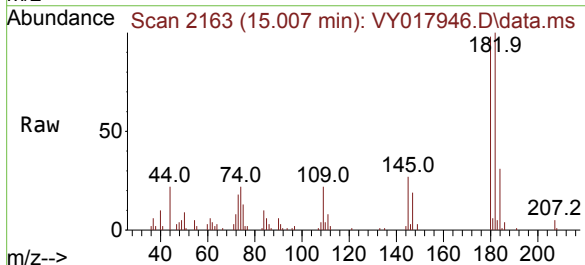
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

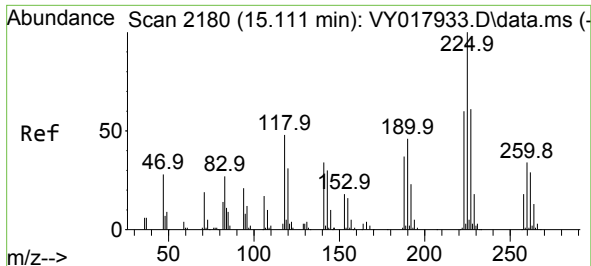
Tgt Ion: 75 Resp: 469
Ion Ratio Lower Upper
75 100
155 81.0 48.6 145.8
157 98.7 62.7 188.2



#93
1,2,4-Trichlorobenzene
Concen: 2.294 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

Tgt Ion: 180 Resp: 9094
Ion Ratio Lower Upper
180 100
182 90.5 47.9 143.8
145 27.6 14.2 42.6

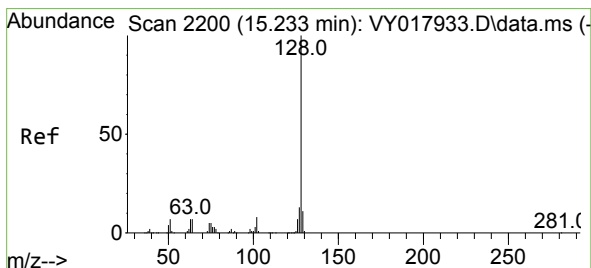
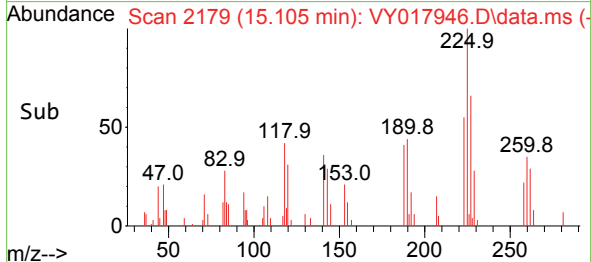
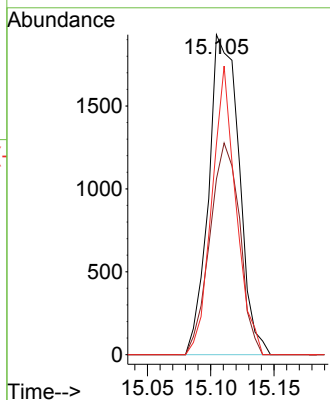
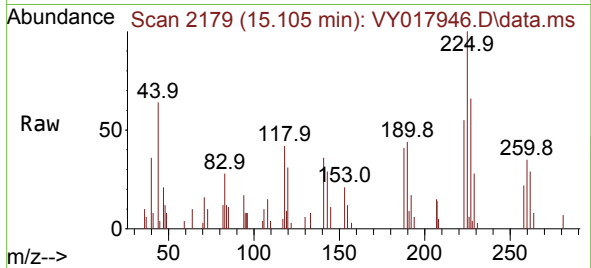




#94
Hexachlorobutadiene
Concen: 1.373 ug/l
RT: 15.105 min Scan# 2180
Delta R.T. -0.006 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

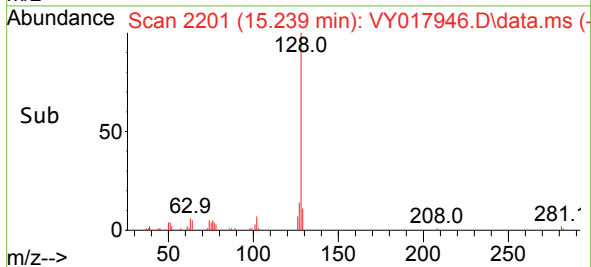
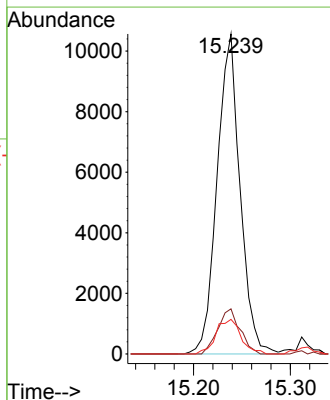
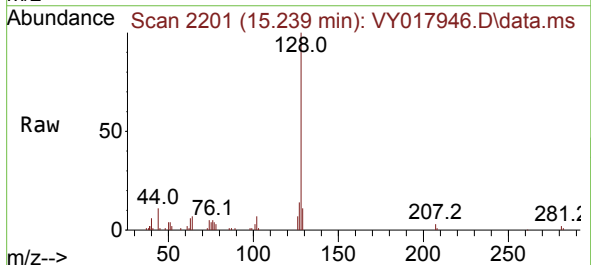
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

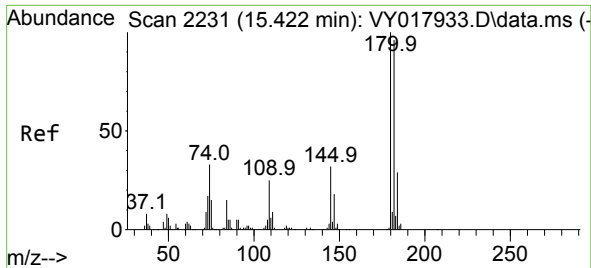
Tgt Ion:225 Resp: 3230
Ion Ratio Lower Upper
225 100
223 64.7 30.4 91.2
227 71.4 31.9 95.9



#95
Naphthalene
Concen: 2.664 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY017946.D
Acq: 16 Apr 2024 13:28

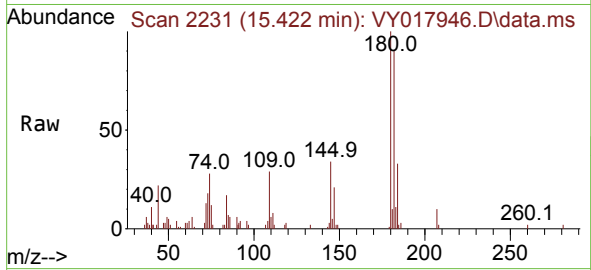
Tgt Ion:128 Resp: 17400
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.8 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.789 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY017946.D
 Acq: 16 Apr 2024 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	9277
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.9
145	32.1	15.4	46.1

