

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050124\
 Data File : VY018094.D
 Acq On : 01 May 2024 11:41
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 02 05:47:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 16:21:20 2024
 Response via : Initial Calibration

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

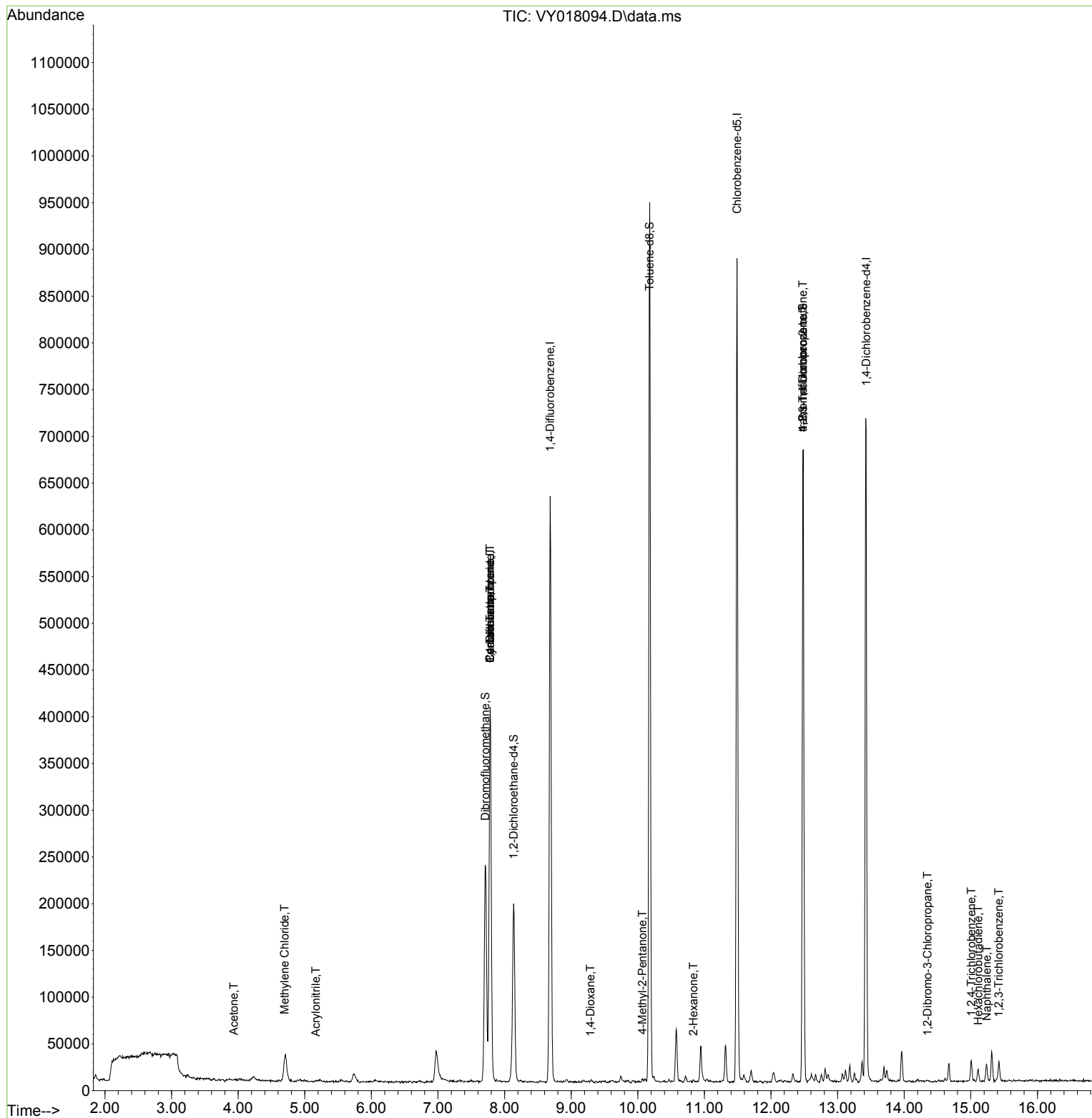
Internal Standards						
1) Pentafluorobenzene	7.783	168	336798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	577117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	503977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	198866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	138362	52.118	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.240%	
35) Dibromofluoromethane	7.710	113	168354	50.762	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.520%	
50) Toluene-d8	10.179	98	629864	48.648	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.300%	
62) 4-Bromofluorobenzene	12.477	95	201448	45.211	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.420%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.167	53	890	1.458	ug/l #	44
16) Acetone	3.936	43	865	1.710	ug/l #	42
20) Methylene Chloride	4.698	84	23221	6.552	ug/l #	84
31) Cyclohexane	7.783	56	6564	1.290	ug/l #	2
36) 1,1-Dichloropropene	7.783	75	22010	4.972	ug/l #	49
38) Carbon Tetrachloride	7.783	117	30377	6.045	ug/l #	17
49) 1,4-Dioxane	9.289	88	140	6.687	ug/l #	1
51) 4-Methyl-2-Pentanone	10.069	43	3572	1.807	ug/l	87
59) 2-Hexanone	10.837	43	1924	1.364	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	98229	58.855	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	98229	107.221	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.349	75	601	1.673	ug/l	67
93) 1,2,4-Trichlorobenzene	15.007	180	6431	1.941	ug/l	96
94) Hexachlorobutadiene	15.111	225	2123	1.158	ug/l	89
95) Naphthalene	15.239	128	14888	2.441	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.422	180	6690	2.420	ug/l	96

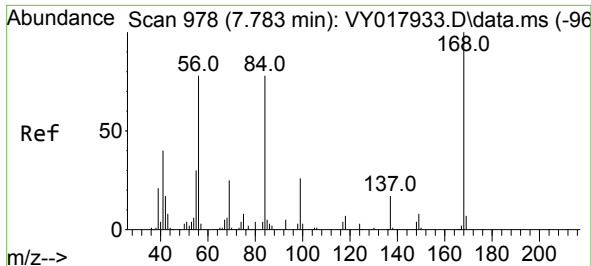
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 01 16:21:20 2024
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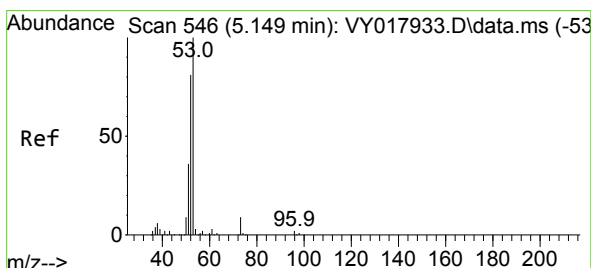
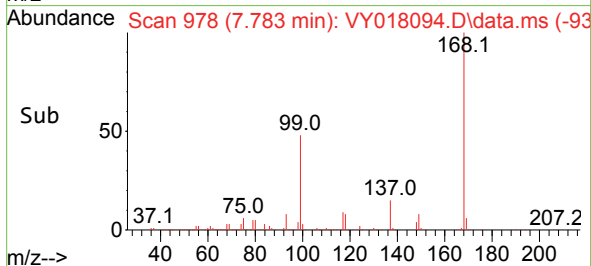
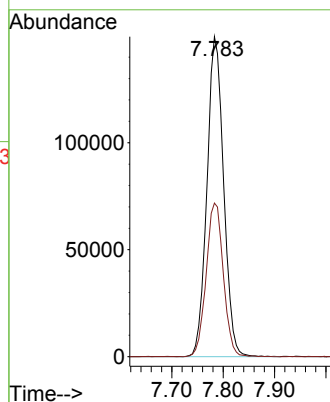
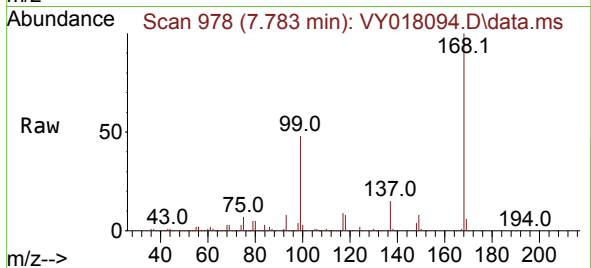




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

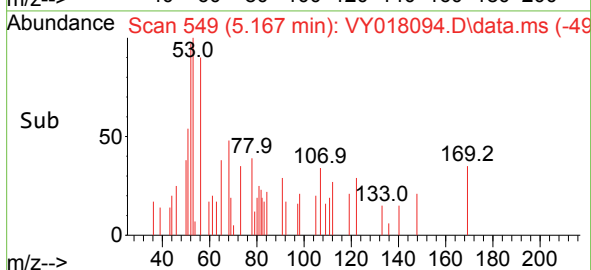
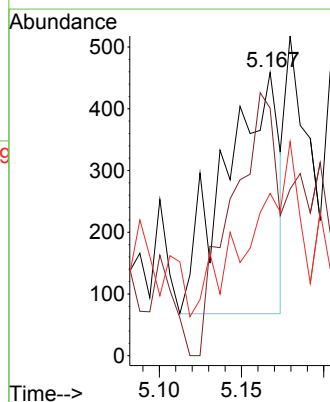
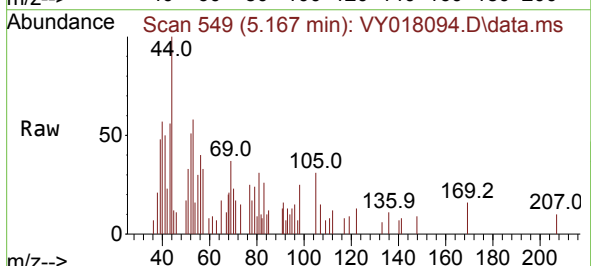
Instrument :
MSVOA_Y
ClientSampleId :

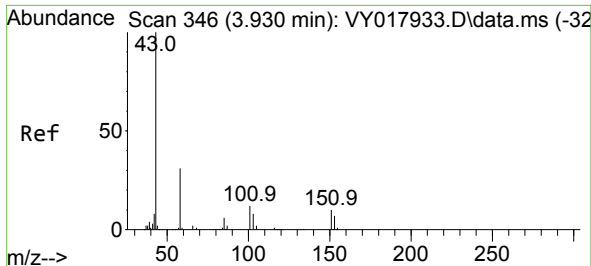
Tgt Ion:168 Resp: 336798
Ion Ratio Lower Upper
168 100
99 48.0 39.1 58.7



#15
Acrylonitrile
Concen: 1.458 ug/l
RT: 5.167 min Scan# 549
Delta R.T. 0.006 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

Tgt Ion: 53 Resp: 890
Ion Ratio Lower Upper
53 100
52 103.1 64.7 97.1#
51 109.8 28.4 42.6#

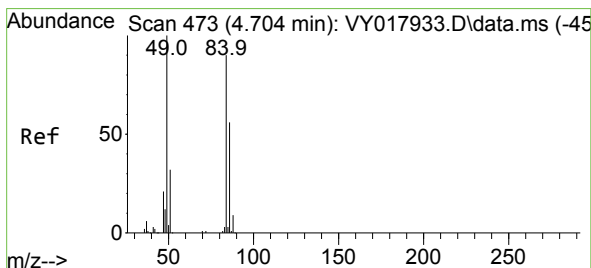
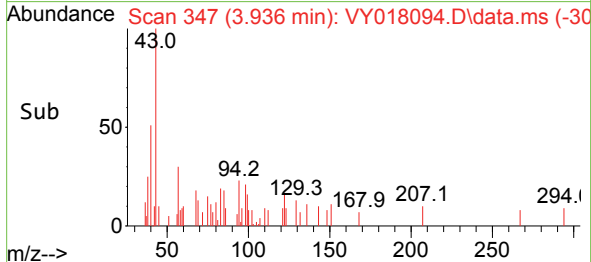
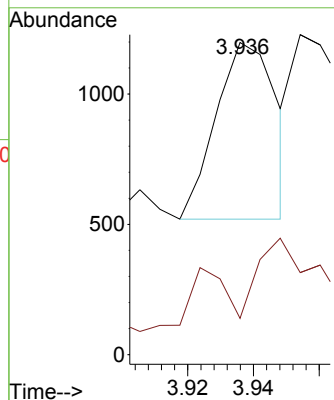
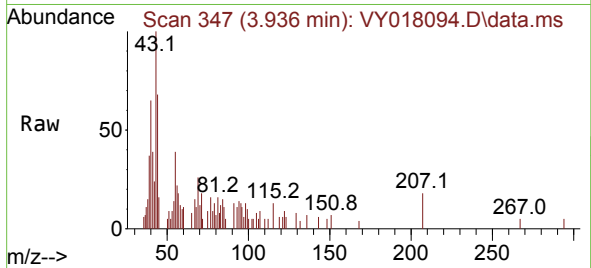




#16
Acetone
Concen: 1.710 ug/l
RT: 3.936 min Scan# 346
Delta R.T. -0.012 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

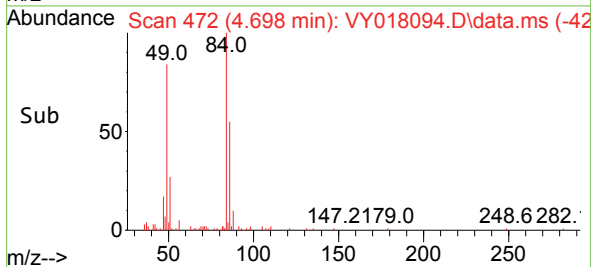
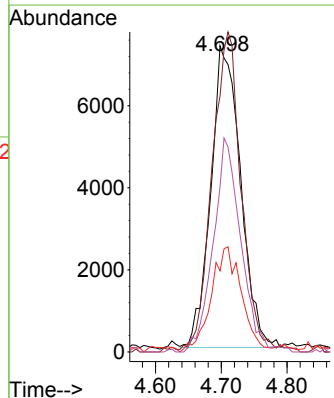
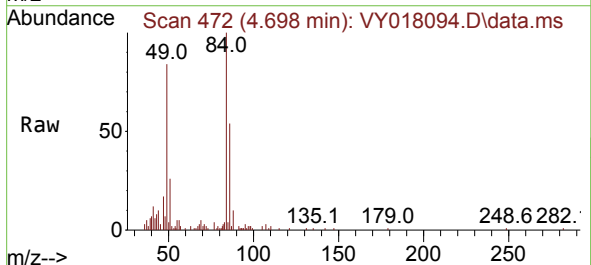
Instrument :
MSVOA_Y
ClientSampleId :

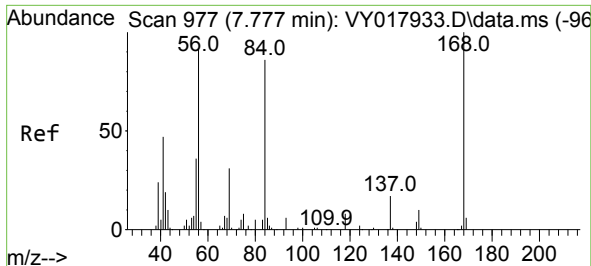
Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
58 3.8 31.7 47.5#



#20
Methylene Chloride
Concen: 6.552 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.018 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

Tgt Ion: 84 Resp: 23221
Ion Ratio Lower Upper
84 100
49 84.0 84.4 126.6#
51 26.9 26.0 39.0
86 54.8 49.5 74.3

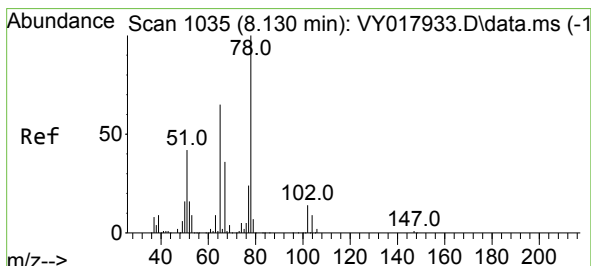
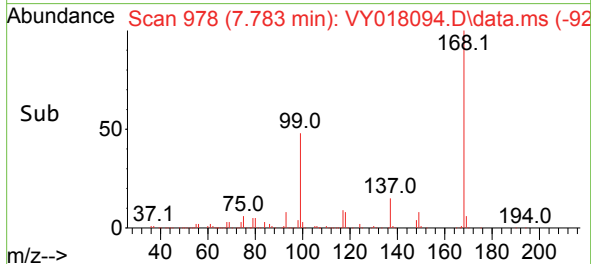
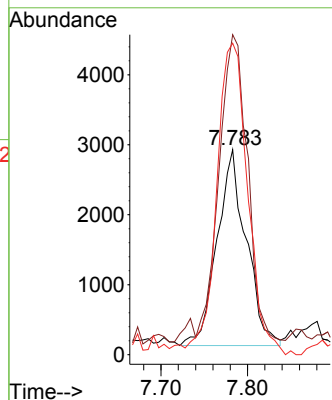
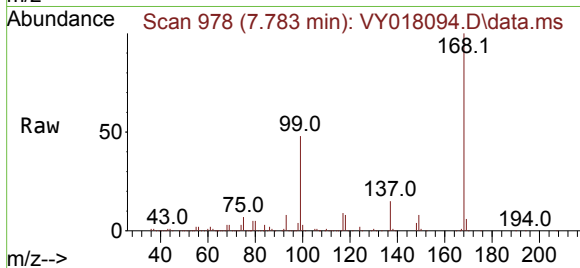




#31
Cyclohexane
Concen: 1.290 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

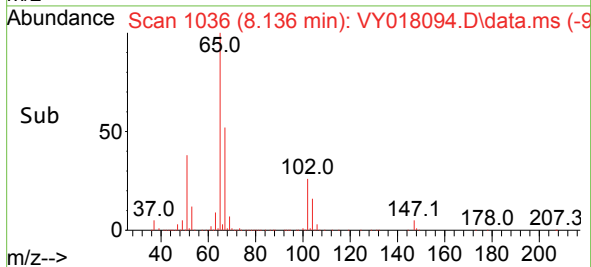
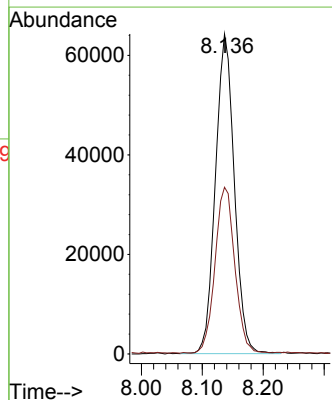
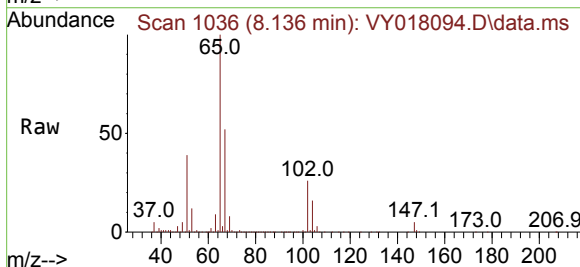
Instrument :
MSVOA_Y
ClientSampleId :

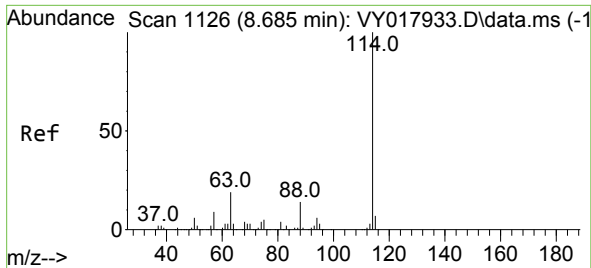
Tgt Ion: 56 Resp: 6564
Ion Ratio Lower Upper
56 100
69 155.7 28.7 43.1#
84 155.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 52.118 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

Tgt Ion: 65 Resp: 138362
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.6

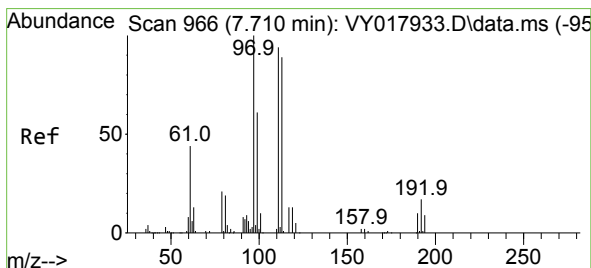
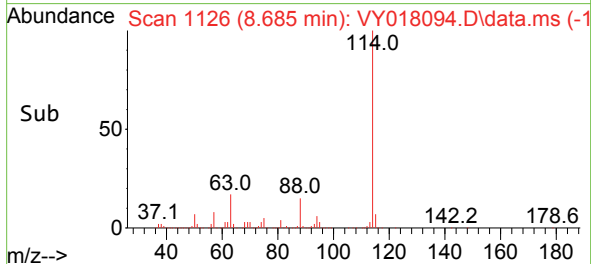
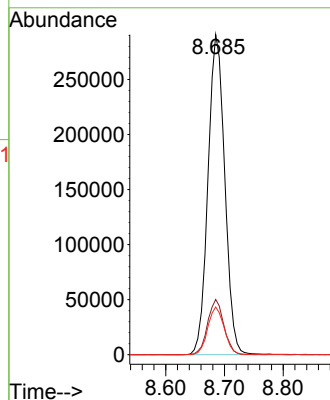
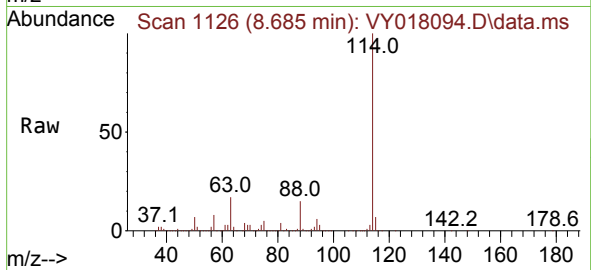




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

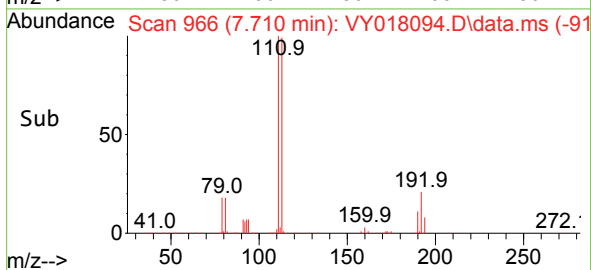
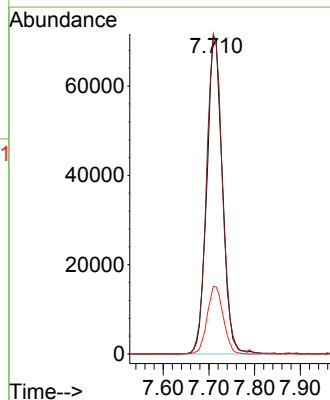
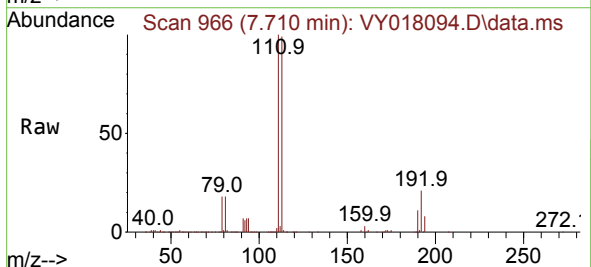
Instrument :
MSVOA_Y
ClientSampleId :

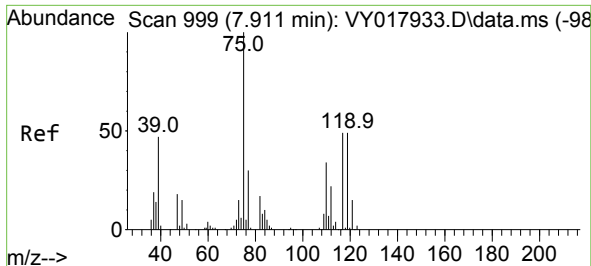
Tgt Ion:114 Resp: 577117
Ion Ratio Lower Upper
114 100
63 17.2 0.0 35.0
88 14.9 0.0 27.2



#35
Dibromofluoromethane
Concen: 50.762 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.012 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

Tgt Ion:113 Resp: 168354
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 22.0 15.9 23.9

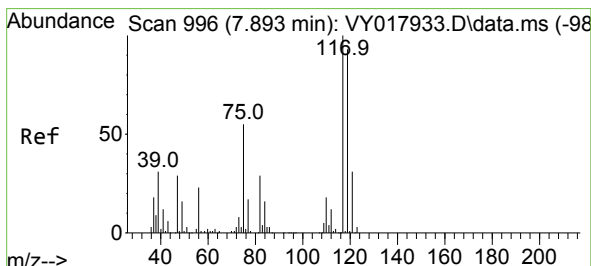
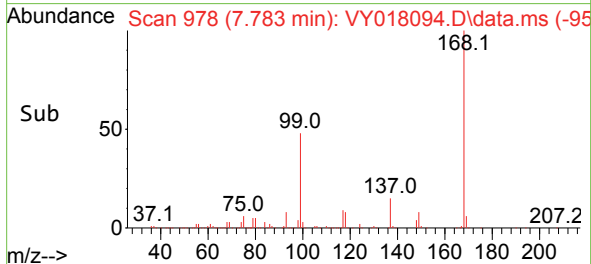
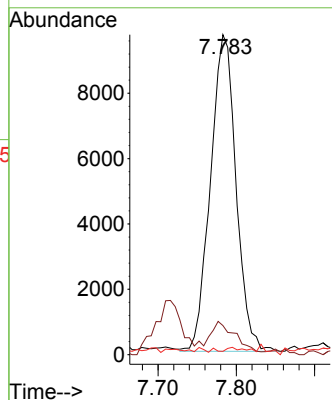
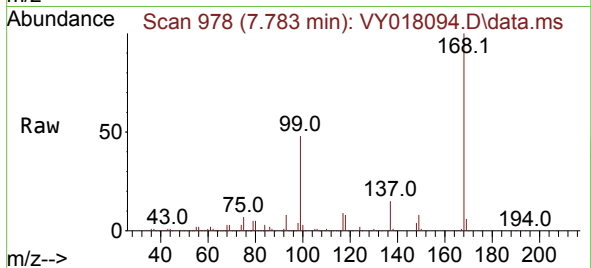




#36
1,1-Dichloropropene
Concen: 4.972 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

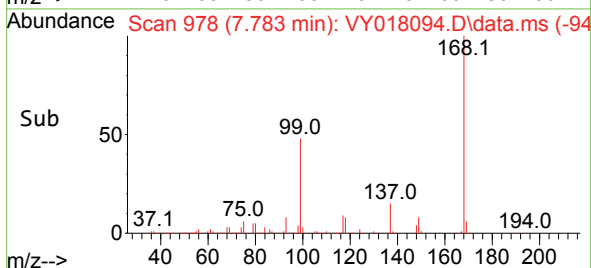
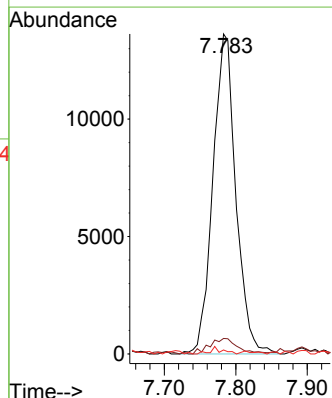
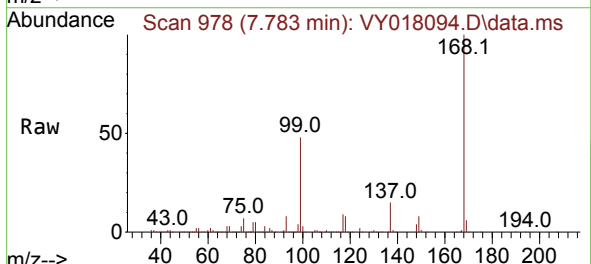
Instrument :
MSVOA_Y
ClientSampleId :

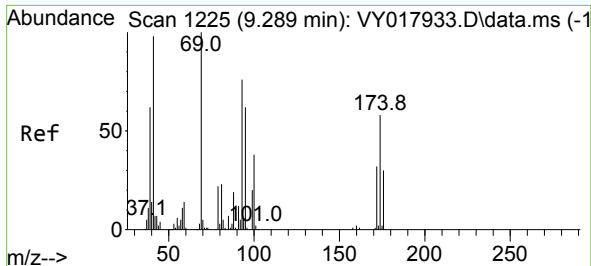
Tgt Ion: 75 Resp: 22010
Ion Ratio Lower Upper
75 100
110 10.4 19.0 57.0#
77 0.3 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.045 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

Tgt Ion: 117 Resp: 30377
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 1.3 24.0 36.0#





#49

1,4-Dioxane

Concen: 6.687 ug/l

RT: 9.289 min Scan# 1

Delta R.T. -0.012 min

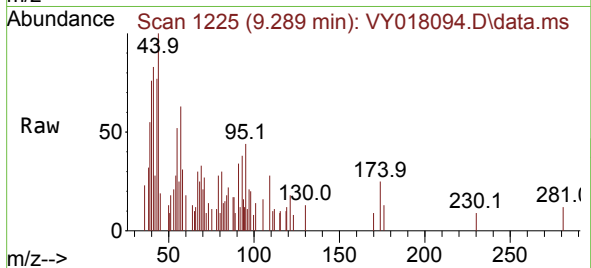
Lab File: VY018094.D

Acq: 01 May 2024 11:41

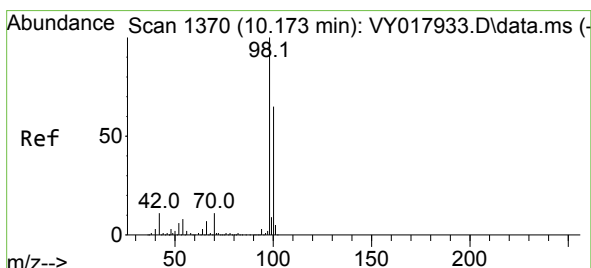
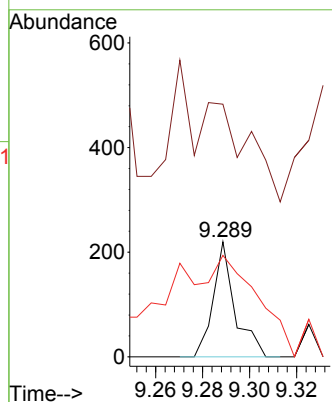
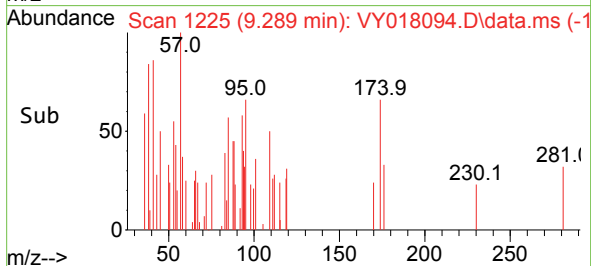
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	88	Resp:	140
Ion	Ratio	Lower	Upper
88	100		
43	292.1	0.0	0.0#
58	342.9	49.3	73.9#



#50

Toluene-d8

Concen: 48.648 ug/l

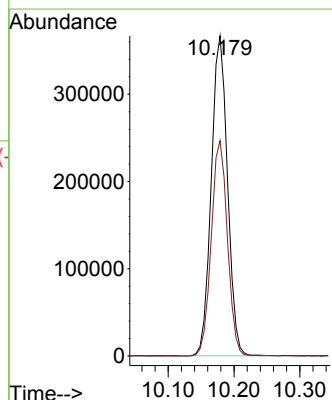
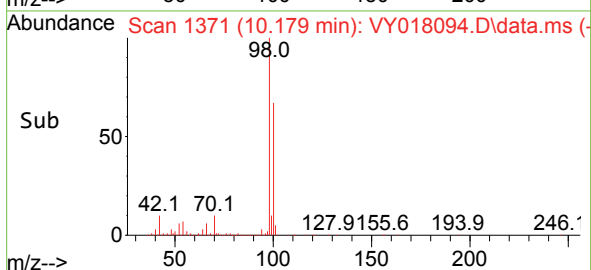
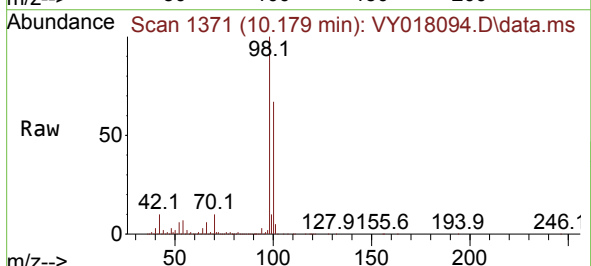
RT: 10.179 min Scan# 1371

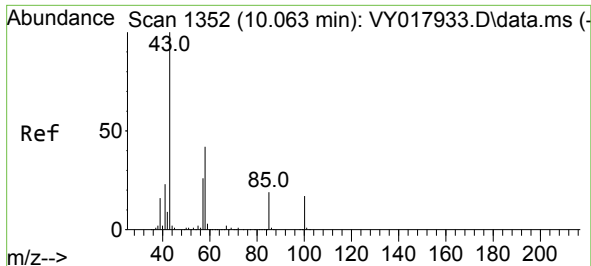
Delta R.T. -0.000 min

Lab File: VY018094.D

Acq: 01 May 2024 11:41

Tgt Ion:	98	Resp:	629864
Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.0	78.0

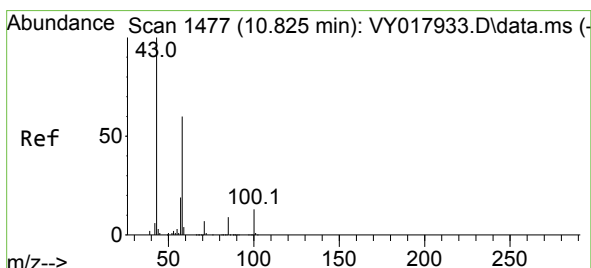
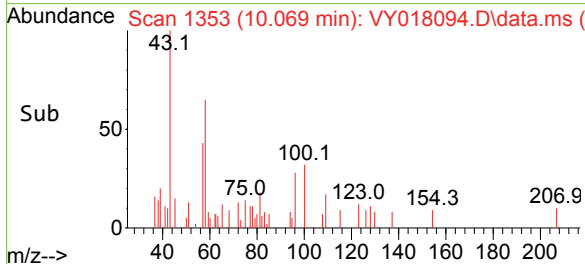
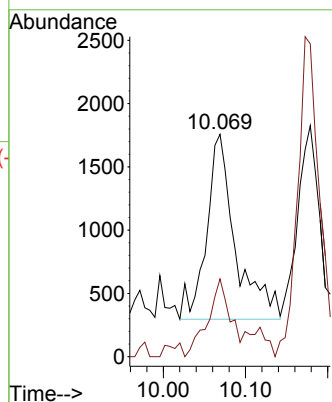
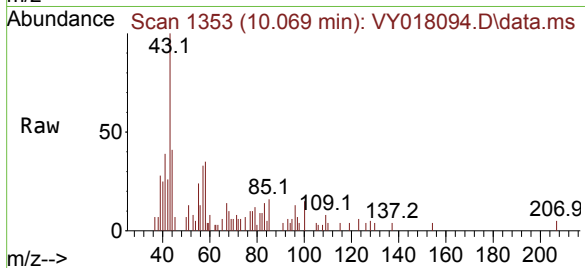




#51
4-Methyl-2-Pentanone
Concen: 1.807 ug/l
RT: 10.069 min Scan# 1352
Delta R.T. -0.000 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

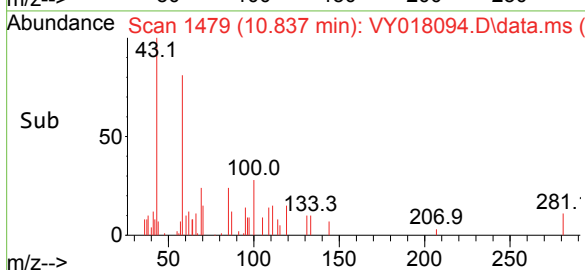
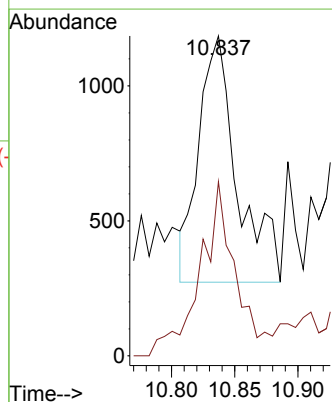
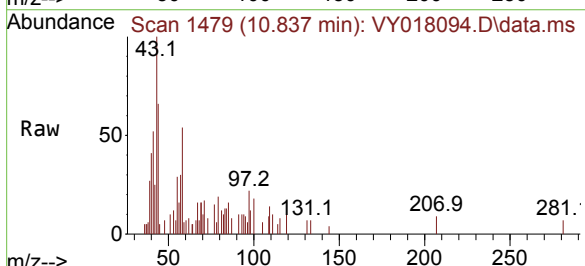
Instrument :
MSVOA_Y
ClientSampleId :

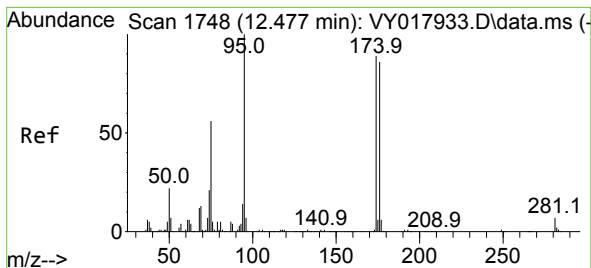
Tgt Ion: 43 Resp: 3572
Ion Ratio Lower Upper
43 100
58 36.1 35.7 53.5



#59
2-Hexanone
Concen: 1.364 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

Tgt Ion: 43 Resp: 1924
Ion Ratio Lower Upper
43 100
58 65.3 31.4 94.0

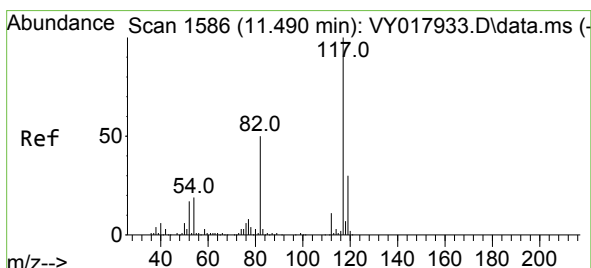
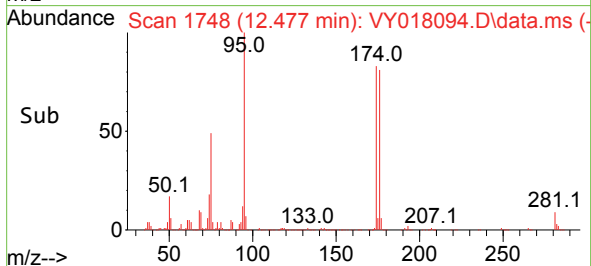
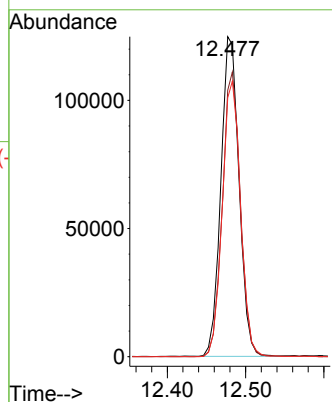
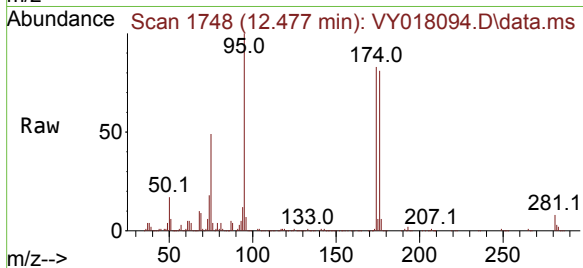




#62
4-Bromofluorobenzene
Concen: 45.211 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

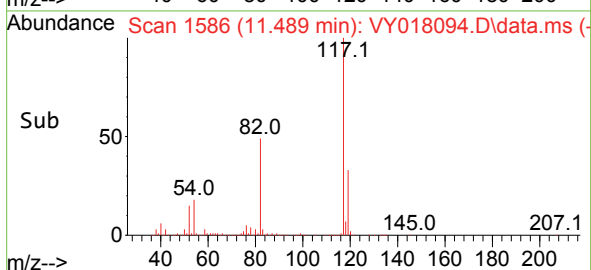
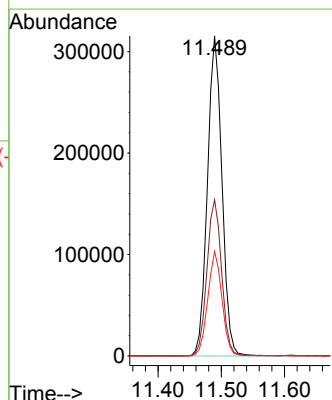
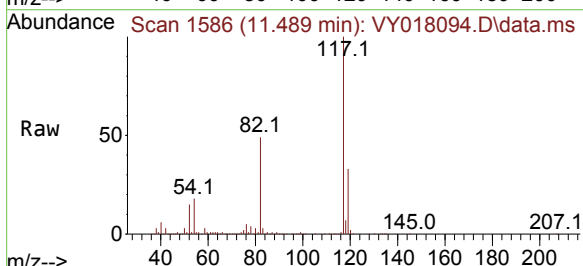
Instrument :
MSVOA_Y
ClientSampleId :

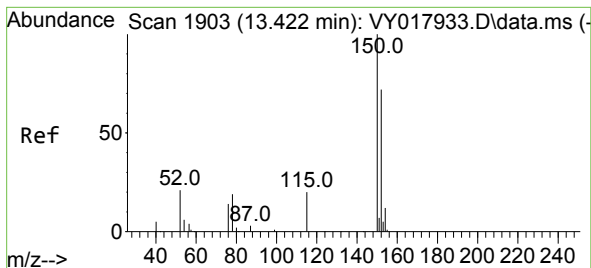
Tgt Ion: 95 Resp: 201448
Ion Ratio Lower Upper
95 100
174 88.2 0.0 175.6
176 86.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

Tgt Ion: 117 Resp: 503977
Ion Ratio Lower Upper
117 100
82 48.7 42.4 63.6
119 32.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018094.D

Acq: 01 May 2024 11:41

Instrument :

MSVOA_Y

ClientSampleId :

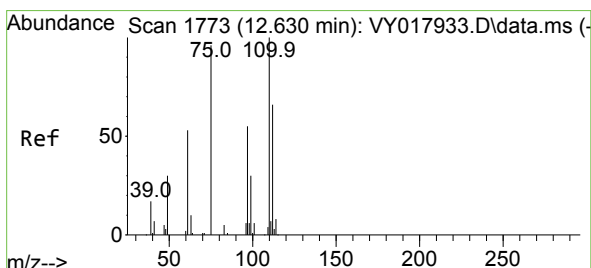
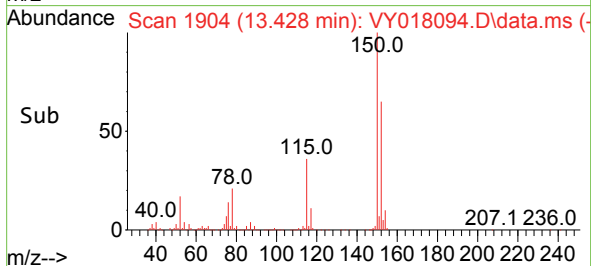
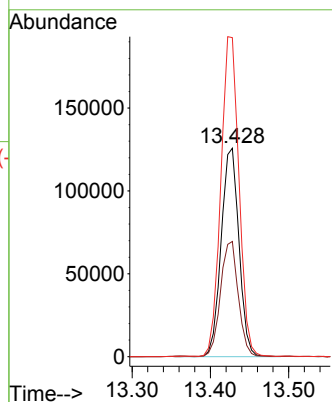
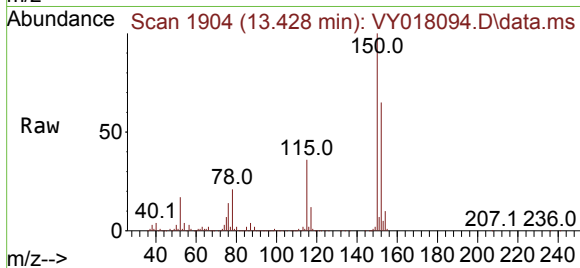
Tgt Ion:152 Resp: 198866

Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.7

150 155.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 58.855 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY018094.D

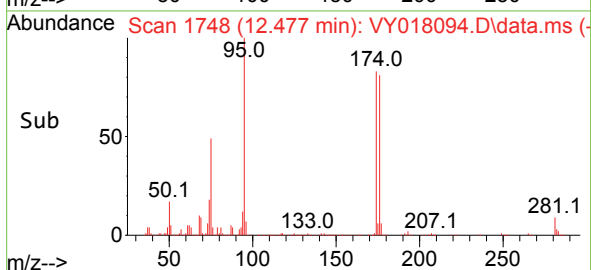
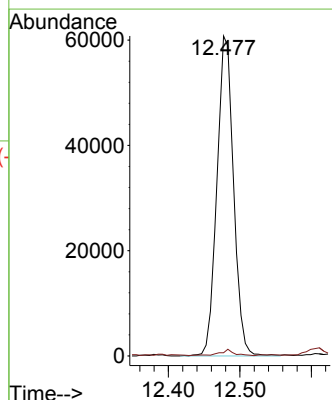
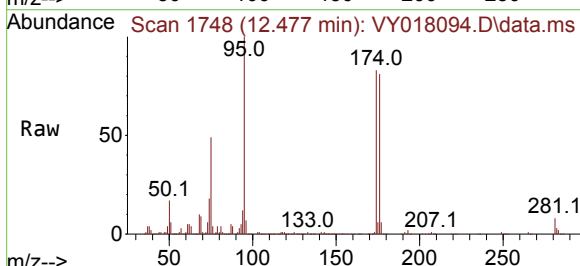
Acq: 01 May 2024 11:41

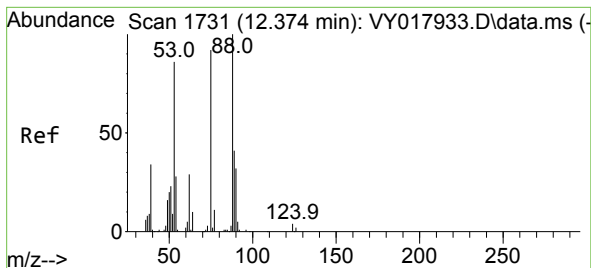
Tgt Ion: 75 Resp: 98229

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

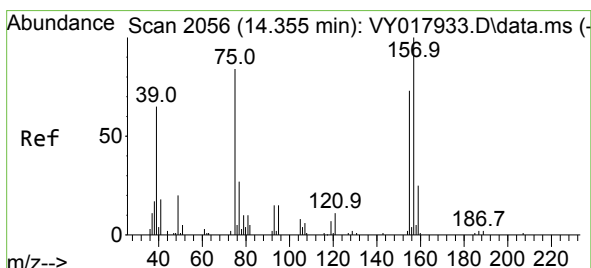
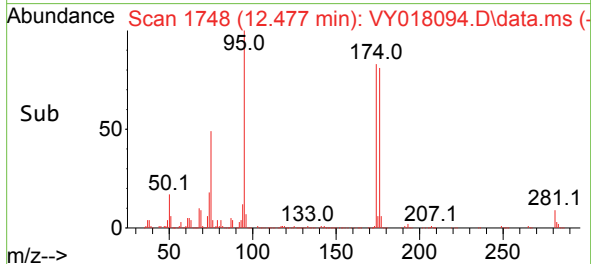
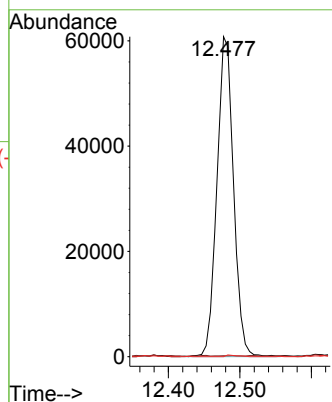
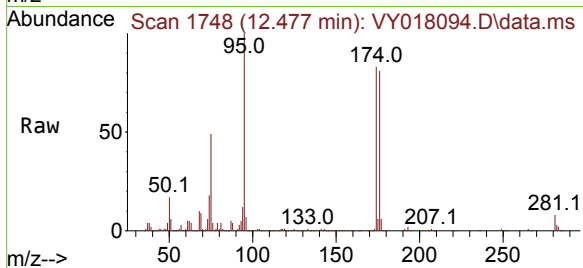




#81
trans-1,4-Dichloro-2-butene
Concen: 107.221 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

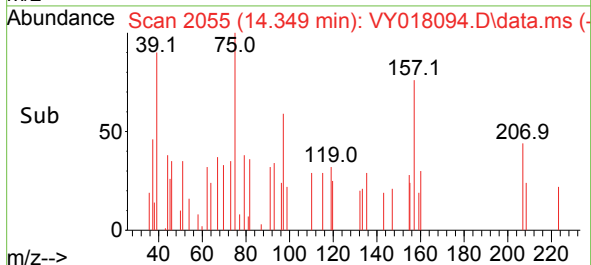
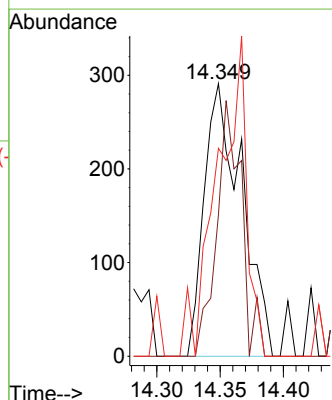
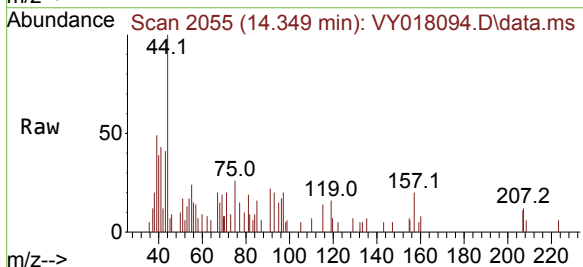
Instrument :
MSVOA_Y
ClientSampleId :

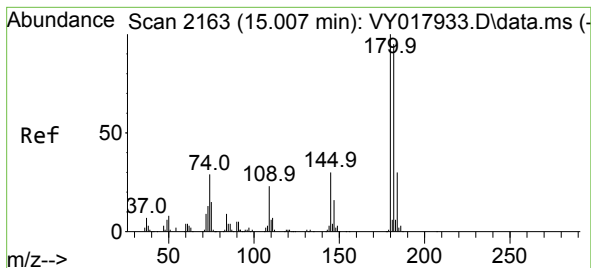
Tgt Ion: 75 Resp: 98229
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.673 ug/l
RT: 14.349 min Scan# 2055
Delta R.T. -0.006 min
Lab File: VY018094.D
Acq: 01 May 2024 11:41

Tgt Ion: 75 Resp: 601
Ion Ratio Lower Upper
75 100
155 61.4 48.6 145.8
157 90.8 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 1.941 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY018094.D

Acq: 01 May 2024 11:41

Instrument :

MSVOA_Y

ClientSampleId :

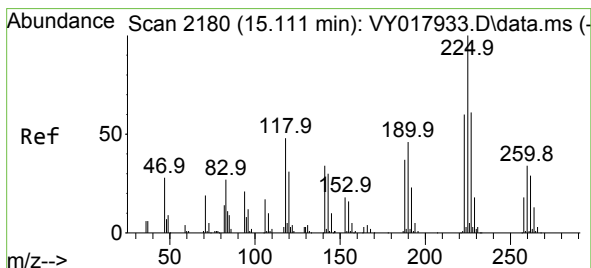
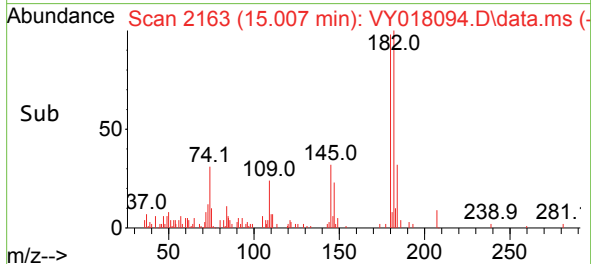
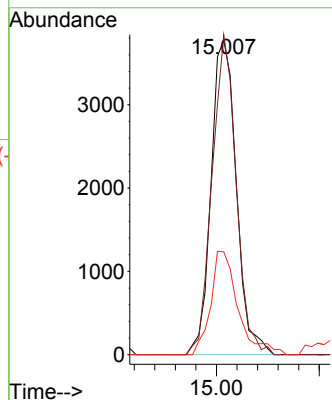
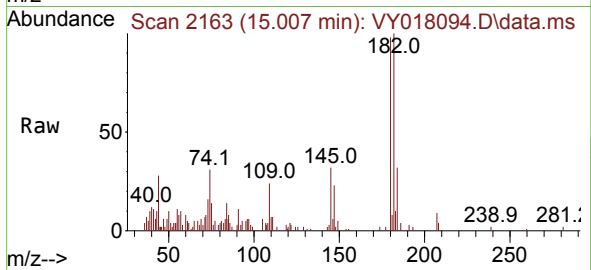
Tgt Ion:180 Resp: 6431

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.8

145 35.6 14.2 42.6



#94

Hexachlorobutadiene

Concen: 1.158 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VY018094.D

Acq: 01 May 2024 11:41

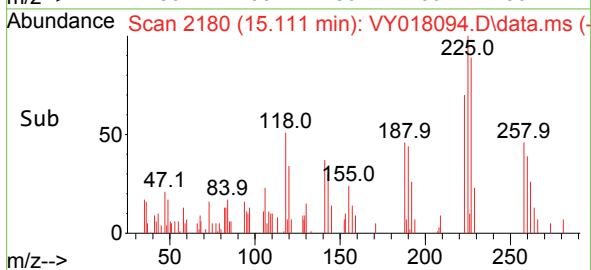
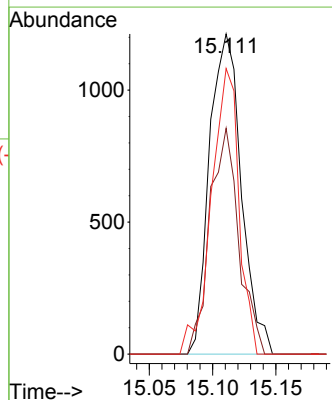
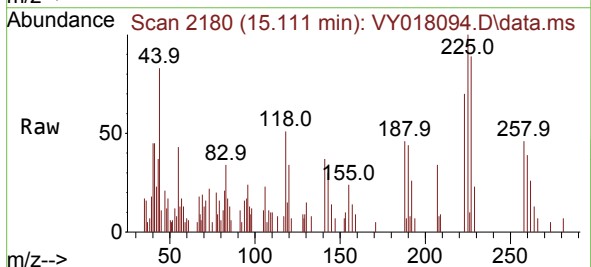
Tgt Ion:225 Resp: 2123

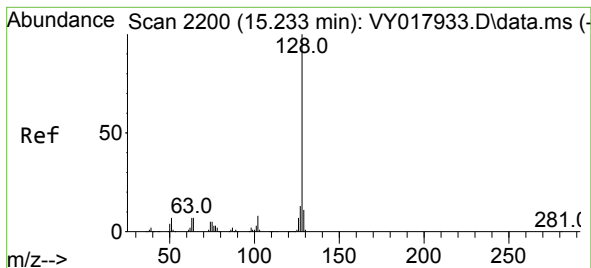
Ion Ratio Lower Upper

225 100

223 64.3 30.4 91.2

227 76.8 31.9 95.9





#95

Naphthalene

Concen: 2.441 ug/l

RT: 15.239 min Scan# 2200

Delta R.T. 0.006 min

Lab File: VY018094.D

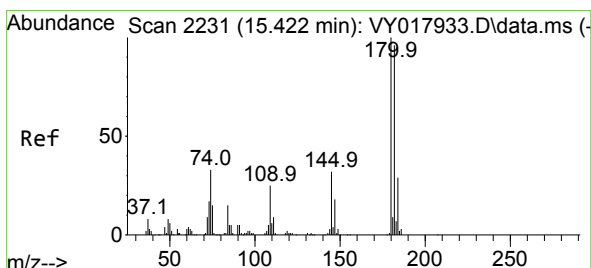
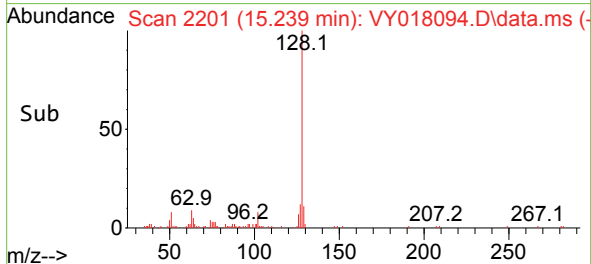
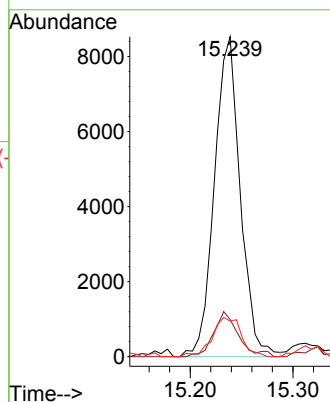
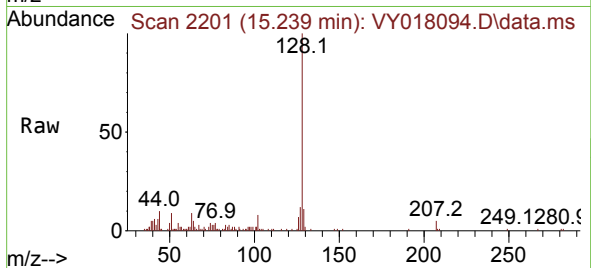
Acq: 01 May 2024 11:41

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	14888
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.6 16.0
129	13.8	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.420 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY018094.D

Acq: 01 May 2024 11:41

Tgt Ion:180	Resp:	6690
Ion Ratio	Lower	Upper
180	100	
182	92.3	47.6 142.9
145	35.0	15.4 46.1

