

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050724\
 Data File : VY018169.D
 Acq On : 07 May 2024 12:37
 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: May 08 01:18:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 00:59:30 2024
 Response via : Initial Calibration

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

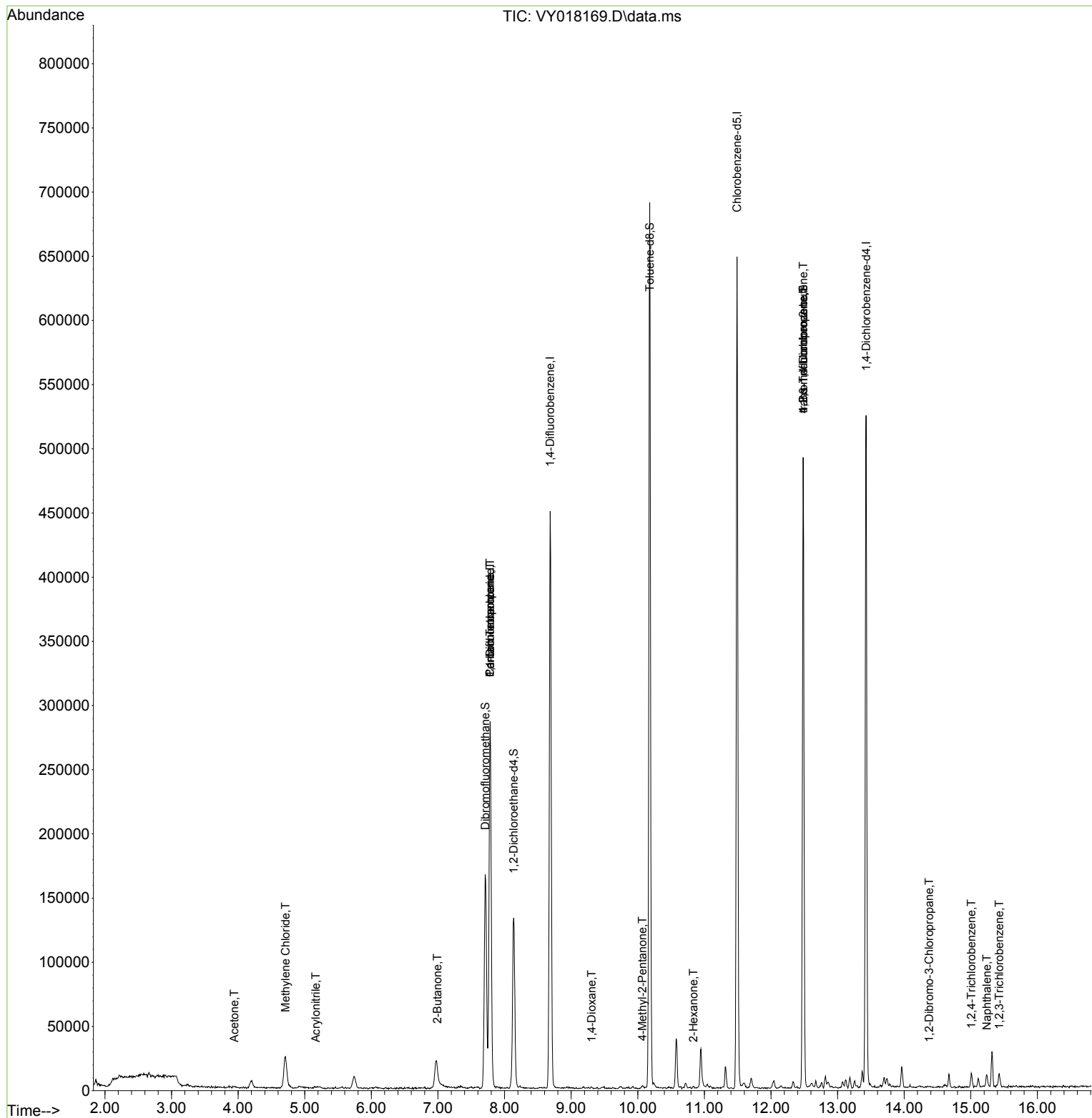
Internal Standards						
1) Pentafluorobenzene	7.783	168	235166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	419561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	363813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	97194	56.180	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.360%	
35) Dibromofluoromethane	7.710	113	120075	54.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.920%	
50) Toluene-d8	10.179	98	463832	53.381	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.760%	
62) 4-Bromofluorobenzene	12.483	95	142474	50.774	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	823	Below Cal	#	42
13) Acrolein	3.729	56	501	Below Cal	#	15
15) Acrylonitrile	5.168	53	913	2.035	ug/l #	80
16) Acetone	3.942	43	870	2.520	ug/l	98
20) Methylene Chloride	4.710	84	19771	8.102	ug/l	93
25) 2-Butanone	6.990	43	1432	2.595	ug/l #	41
31) Cyclohexane	7.783	56	4763	Below Cal	#	9
36) 1,1-Dichloropropene	7.783	75	16651	5.268	ug/l #	50
38) Carbon Tetrachloride	7.783	117	21566	6.244	ug/l #	15
49) 1,4-Dioxane	9.307	88	80	4.716	ug/l #	59
51) 4-Methyl-2-Pentanone	10.069	43	1751	1.278	ug/l	95
59) 2-Hexanone	10.837	43	1236	1.290	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	71119	62.174	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	71119	119.789	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.373	75	381	1.637	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.007	180	3177	1.383	ug/l	93
95) Naphthalene	15.239	128	8111	1.927	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	3432	1.821	ug/l	95

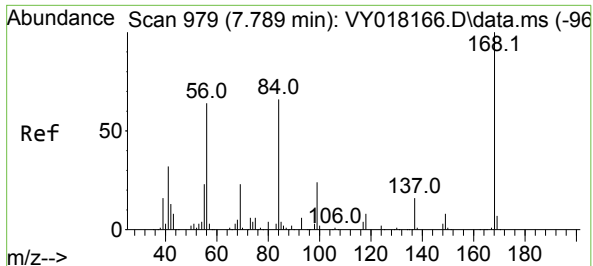
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050724\
Data File : VY018169.D
Acq On : 07 May 2024 12:37
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: May 08 01:18:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260
QLast Update : Wed May 08 00:59:30 2024
Response via : Initial Calibration

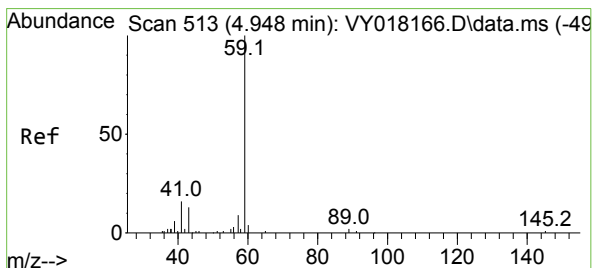
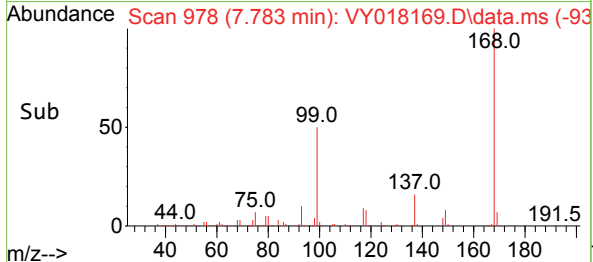
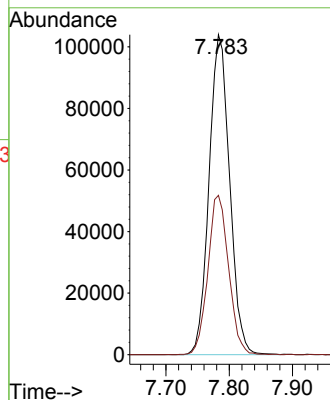
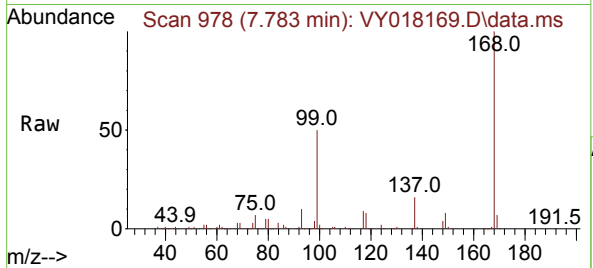




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

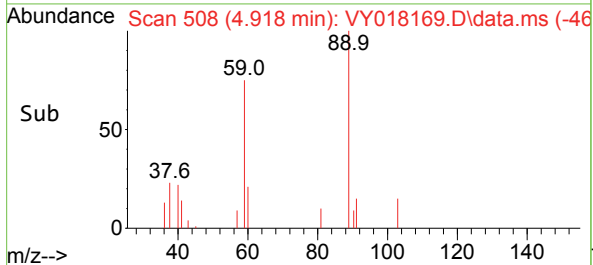
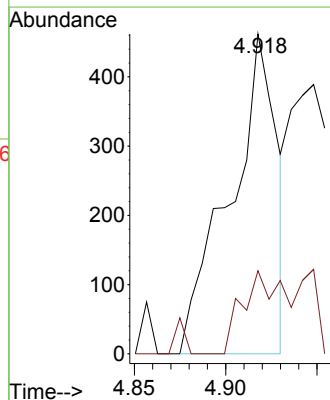
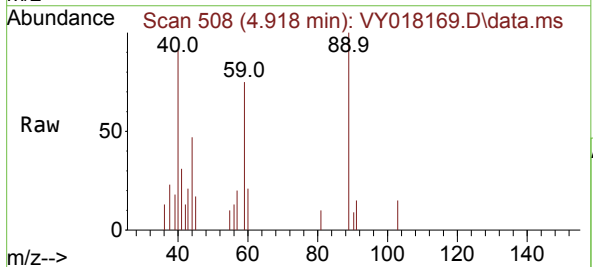
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

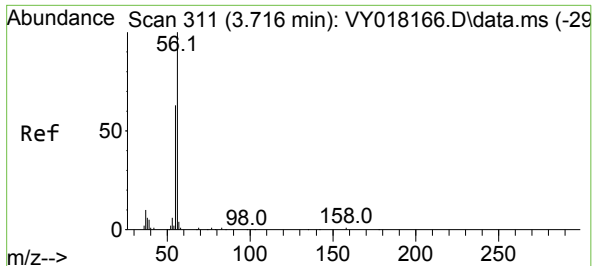
Tgt Ion:168 Resp: 235166
Ion Ratio Lower Upper
168 100
99 49.8 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

Tgt Ion: 59 Resp: 823
Ion Ratio Lower Upper
59 100
57 22.8 3.0 4.6#

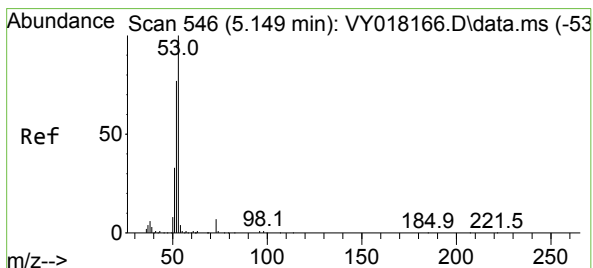
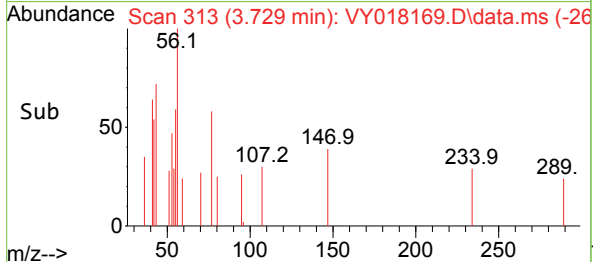
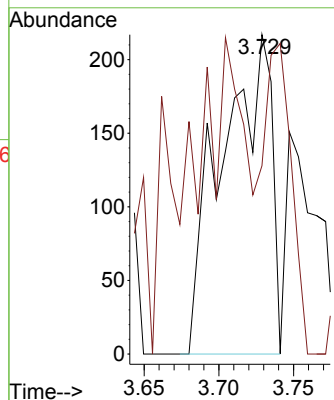
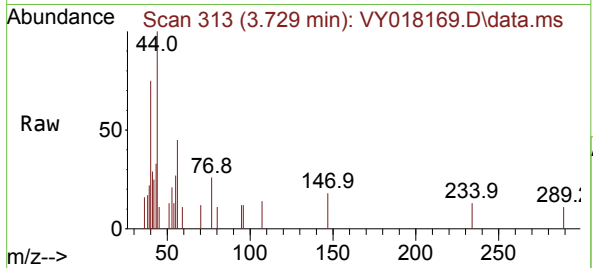




#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 311
Delta R.T. 0.013 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

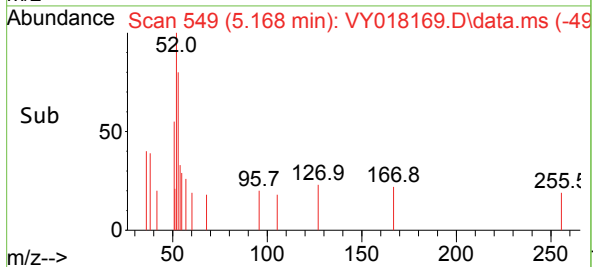
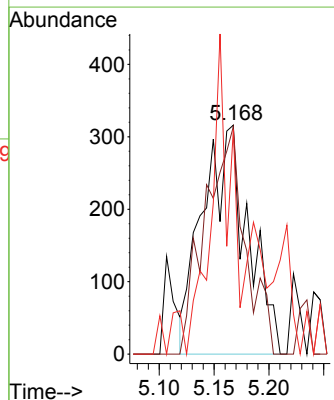
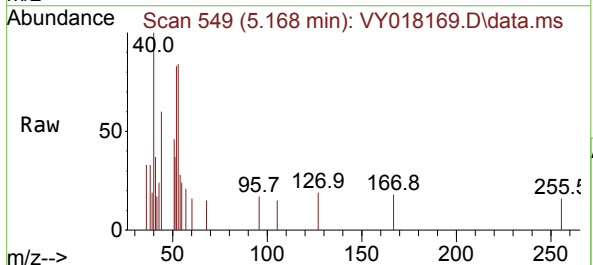
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

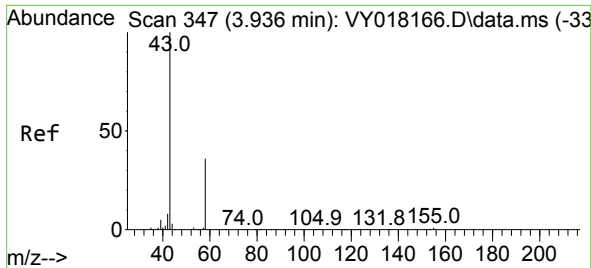
Tgt Ion: 56 Resp: 501
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#15
Acrylonitrile
Concen: 2.035 ug/l
RT: 5.168 min Scan# 549
Delta R.T. 0.018 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

Tgt Ion: 53 Resp: 913
Ion Ratio Lower Upper
53 100
52 87.4 64.7 97.1
51 63.7 28.4 42.6#

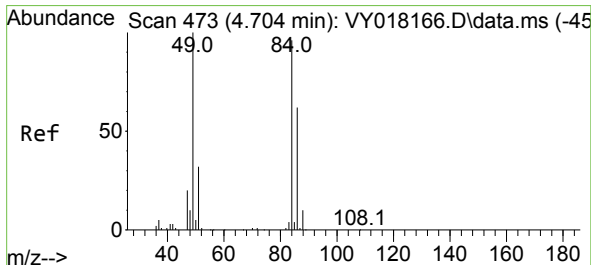
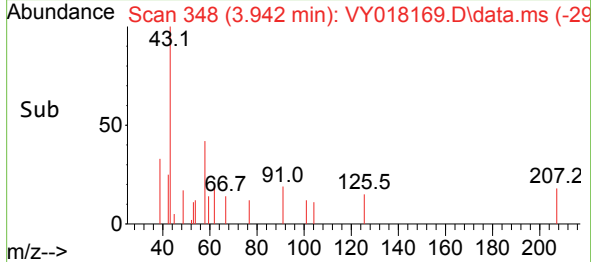
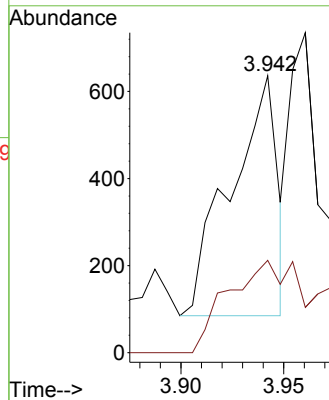
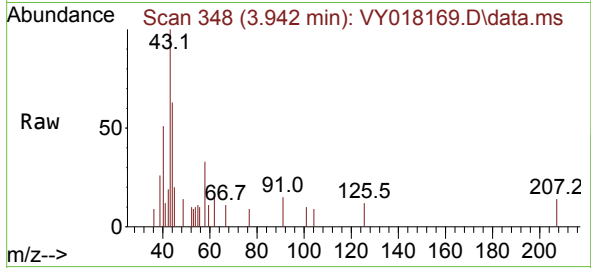




#16
Acetone
Concen: 2.520 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

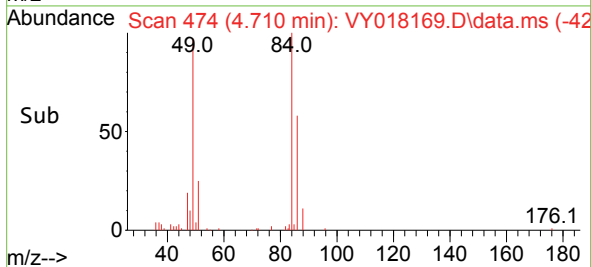
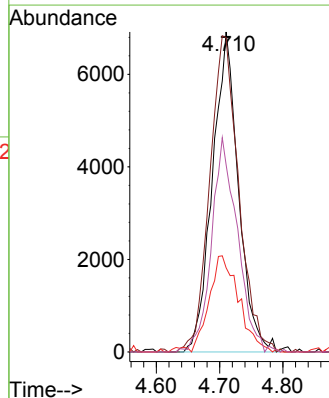
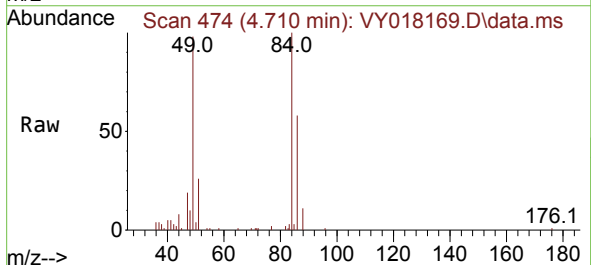
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

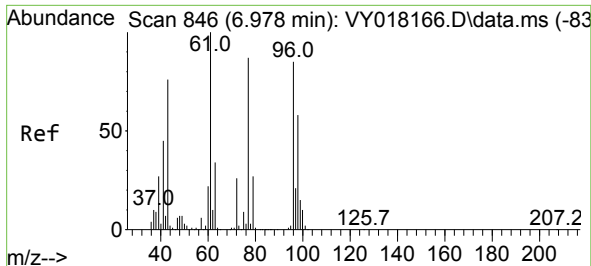
Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
58 38.5 31.7 47.5



#20
Methylene Chloride
Concen: 8.102 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

Tgt Ion: 84 Resp: 19771
Ion Ratio Lower Upper
84 100
49 97.3 84.4 126.6
51 26.3 26.0 39.0
86 58.5 49.5 74.3





#25

2-Butanone

Concen: 2.595 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY018169.D

Acq: 07 May 2024 12:37

Instrument :

MSVOA_Y

ClientSampleId :

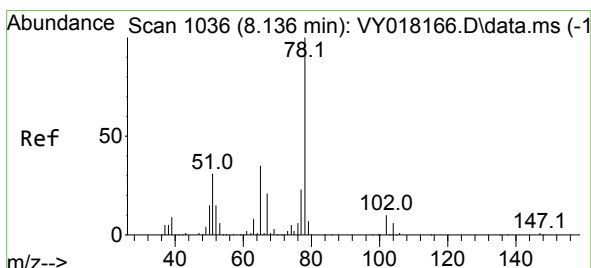
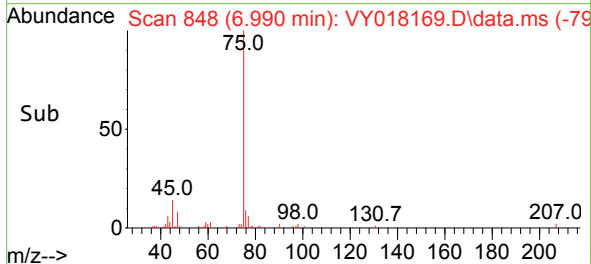
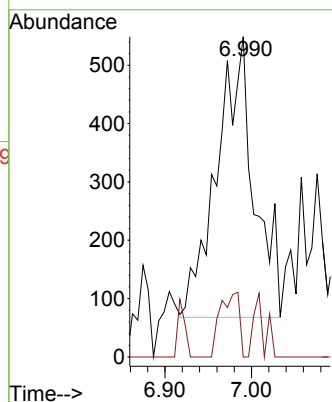
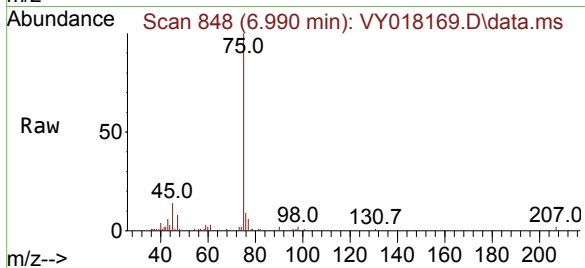
VIBLK

Tgt Ion: 43 Resp: 1432

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#33

1,2-Dichloroethane-d4

Concen: 56.180 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018169.D

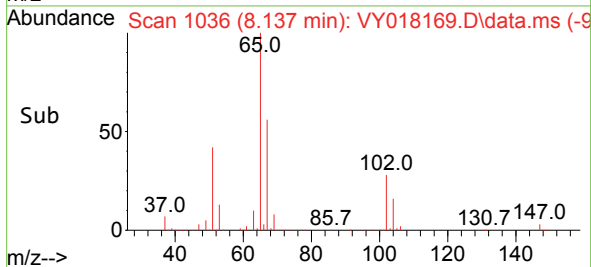
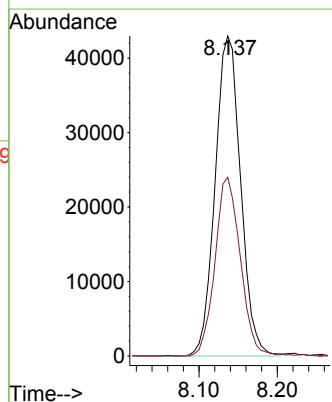
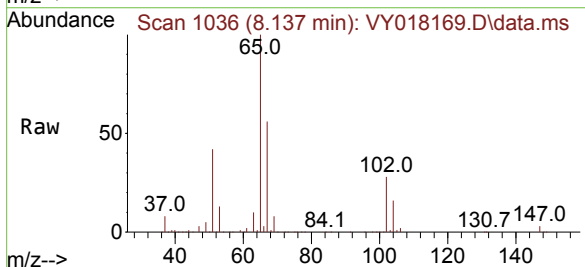
Acq: 07 May 2024 12:37

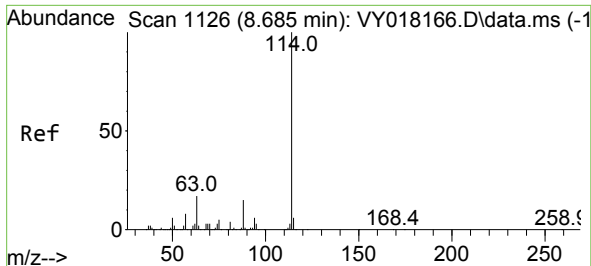
Tgt Ion: 65 Resp: 97194

Ion Ratio Lower Upper

65 100

67 55.5 0.0 109.6

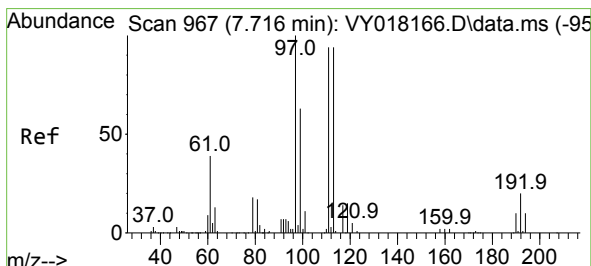
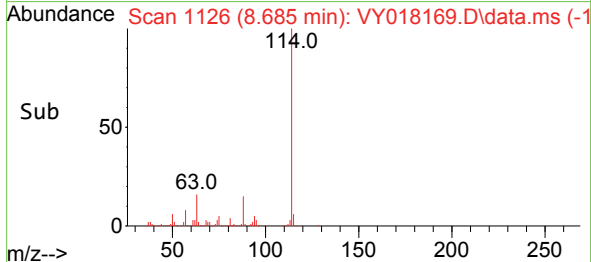
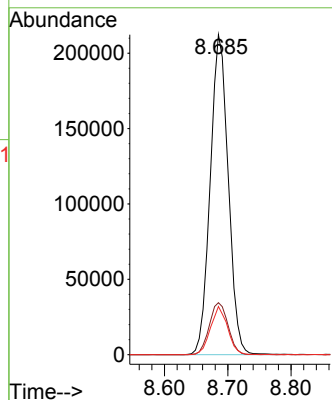
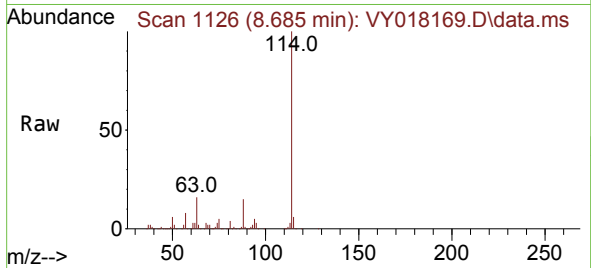




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

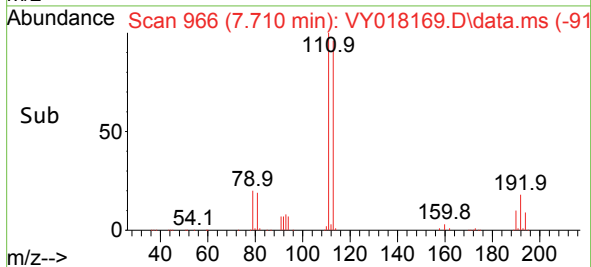
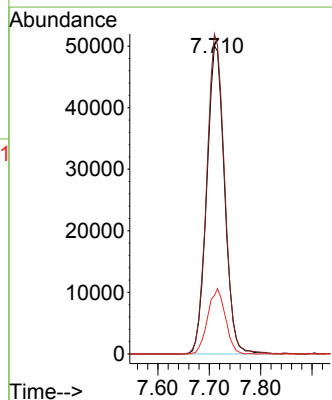
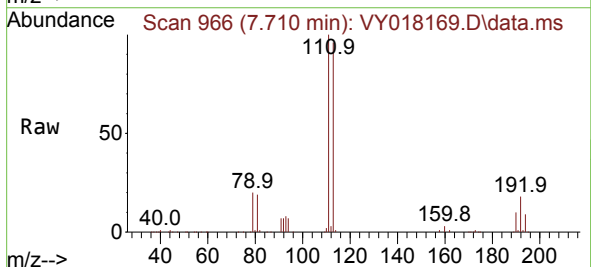
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

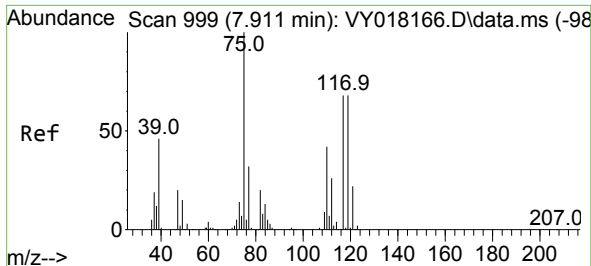
Tgt Ion:114 Resp: 419561
Ion Ratio Lower Upper
114 100
63 16.2 0.0 35.0
88 15.0 0.0 27.2



#35
Dibromofluoromethane
Concen: 54.456 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

Tgt Ion:113 Resp: 120075
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 21.0 15.9 23.9

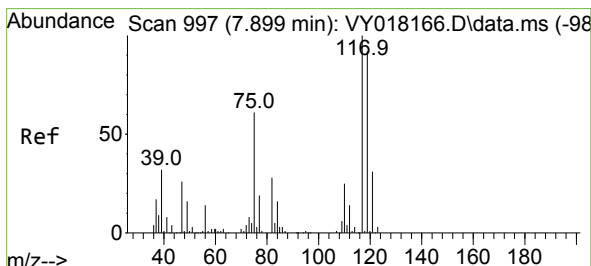
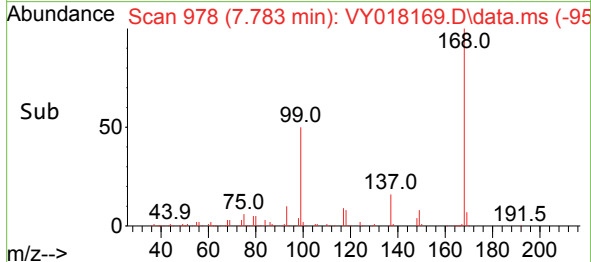
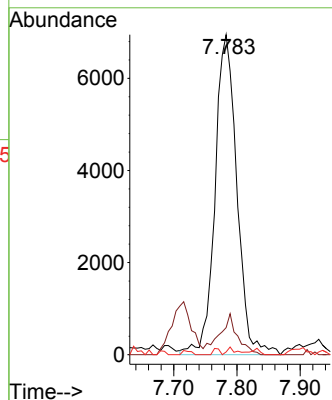
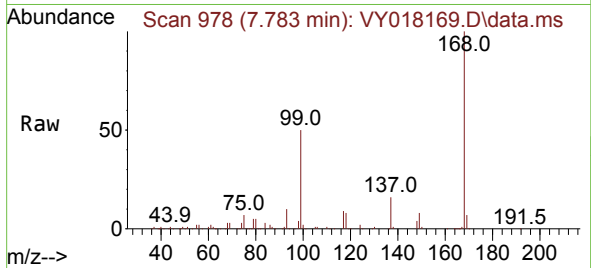




#36
1,1-Dichloropropene
Concen: 5.268 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

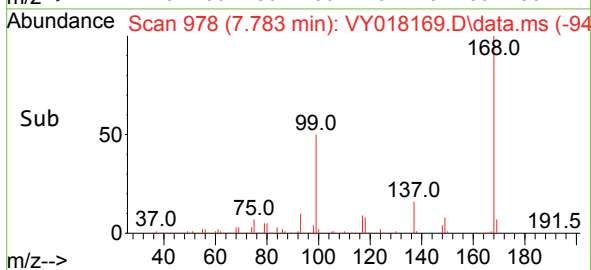
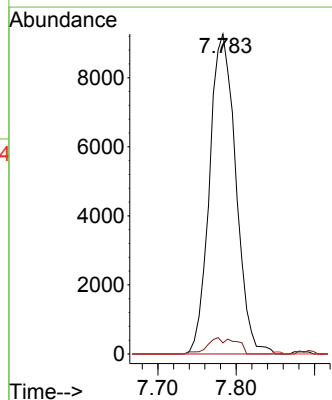
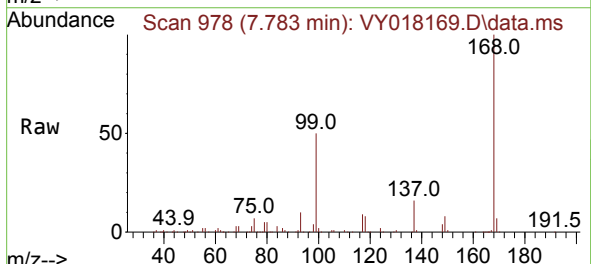
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

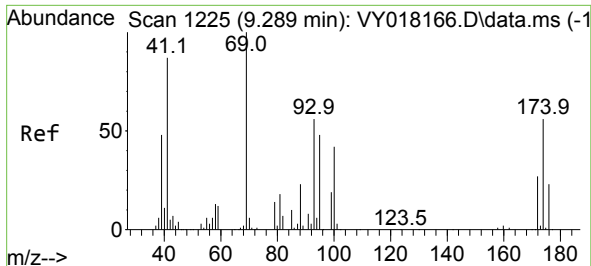
Tgt Ion: 75 Resp: 16651
Ion Ratio Lower Upper
75 100
110 10.6 19.0 57.0#
77 1.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.244 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

Tgt Ion: 117 Resp: 21566
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 4.716 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.018 min

Lab File: VY018169.D

Acq: 07 May 2024 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

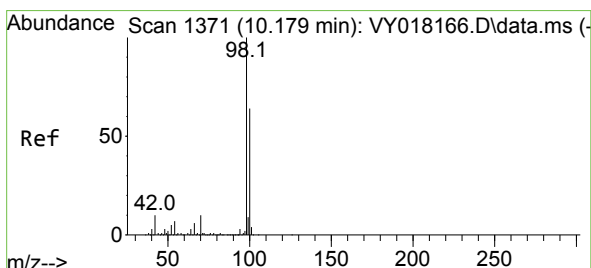
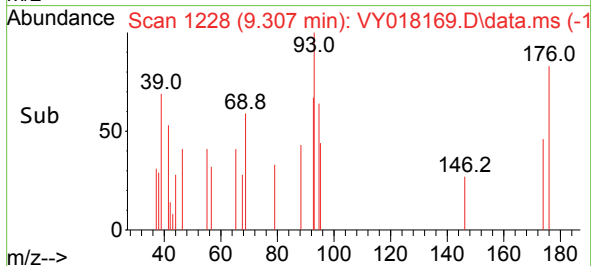
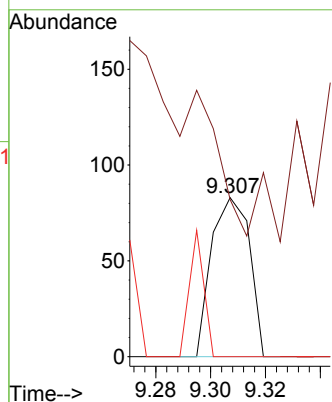
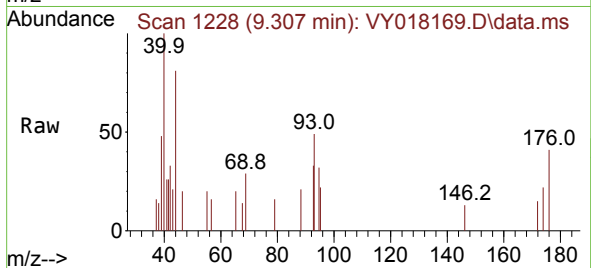
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 30.0 49.3 73.9#



#50

Toluene-d8

Concen: 53.381 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY018169.D

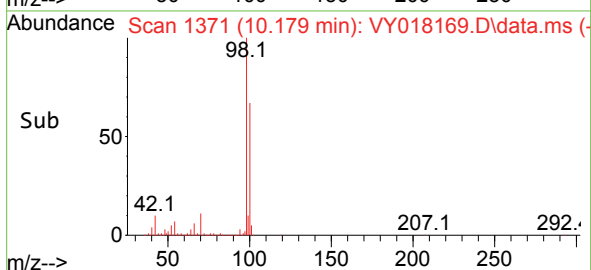
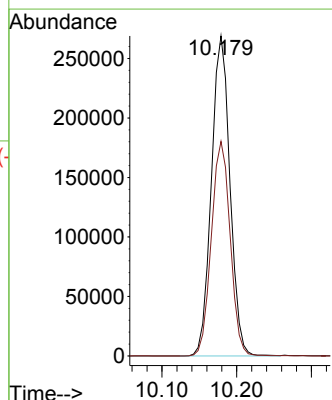
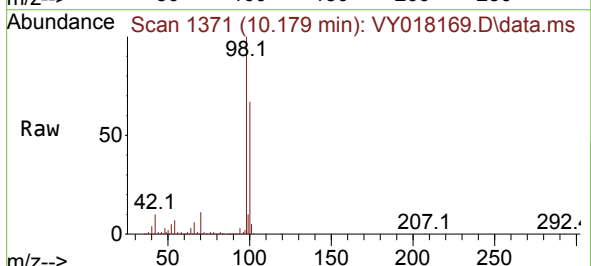
Acq: 07 May 2024 12:37

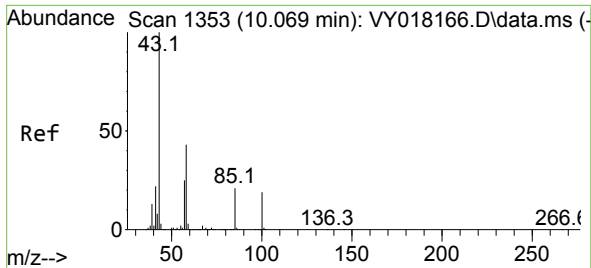
Tgt Ion: 98 Resp: 463832

Ion Ratio Lower Upper

98 100

100 68.1 52.0 78.0

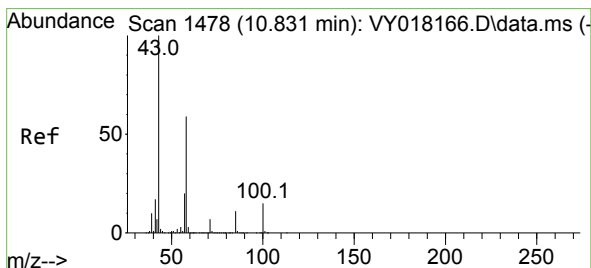
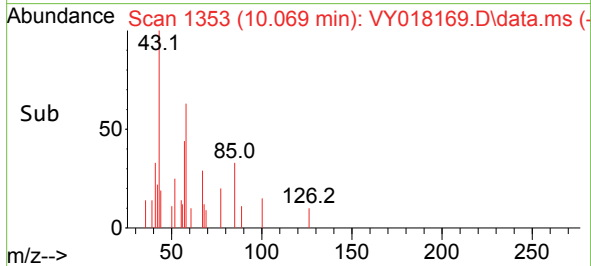
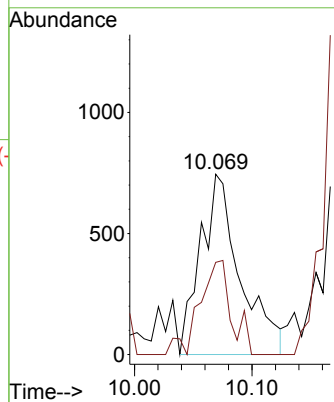
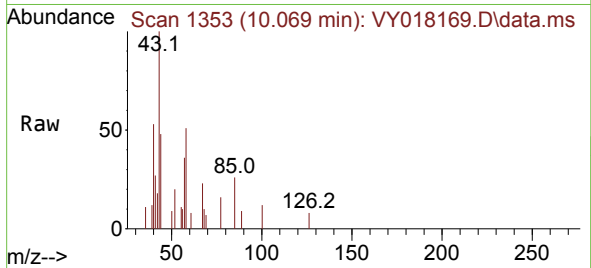




#51
4-Methyl-2-Pentanone
Concen: 1.278 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

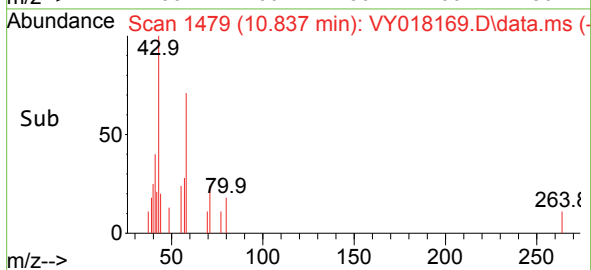
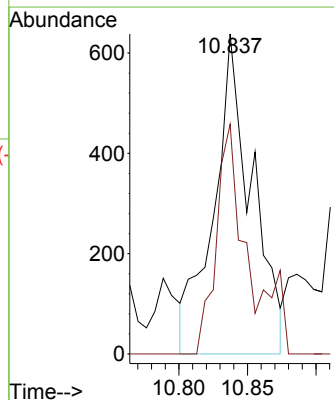
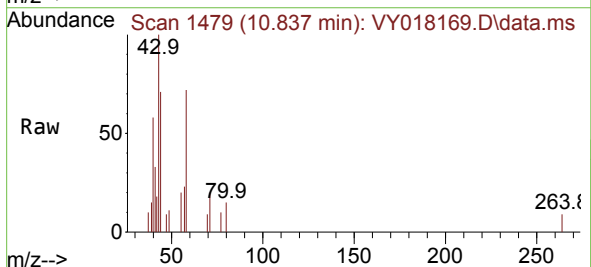
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

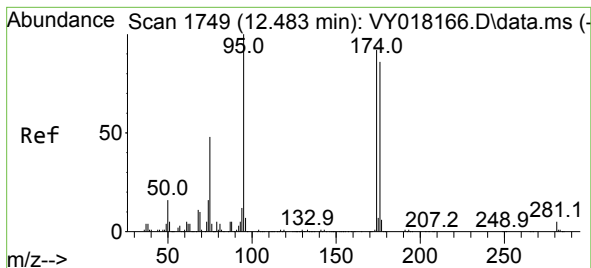
Tgt Ion: 43 Resp: 1751
Ion Ratio Lower Upper
43 100
58 41.6 35.7 53.5



#59
2-Hexanone
Concen: 1.290 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY018169.D
Acq: 07 May 2024 12:37

Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
58 59.5 31.4 94.0





#62

4-Bromofluorobenzene

Concen: 50.774 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018169.D

Acq: 07 May 2024 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

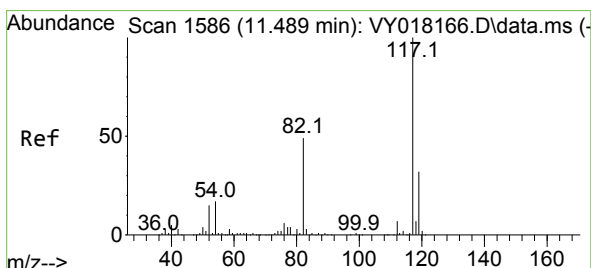
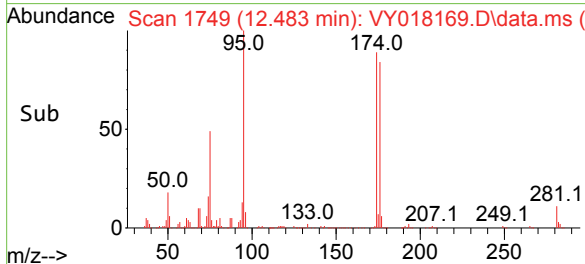
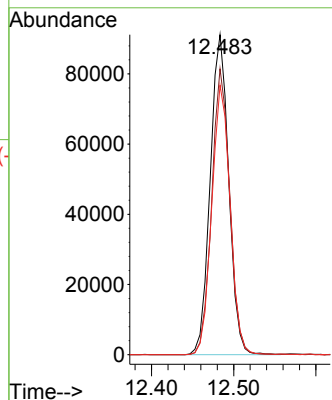
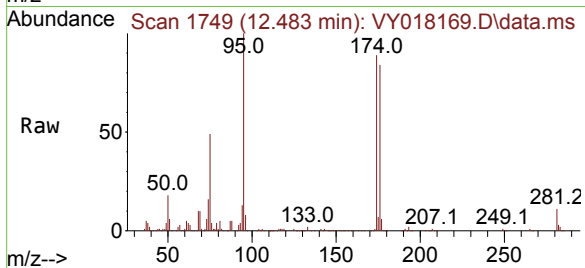
Tgt Ion: 95 Resp: 142474

Ion Ratio Lower Upper

95 100

174 87.3 0.0 175.6

176 83.7 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY018169.D

Acq: 07 May 2024 12:37

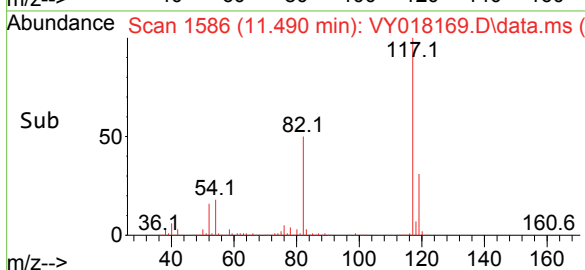
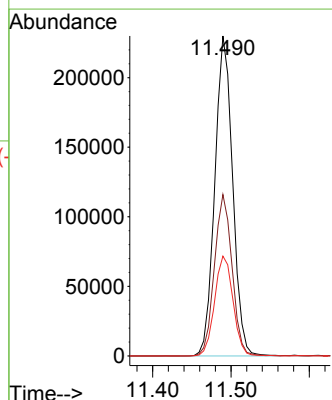
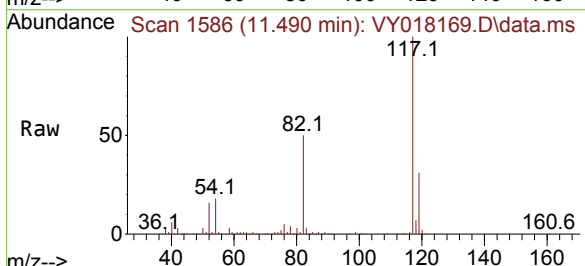
Tgt Ion: 117 Resp: 363813

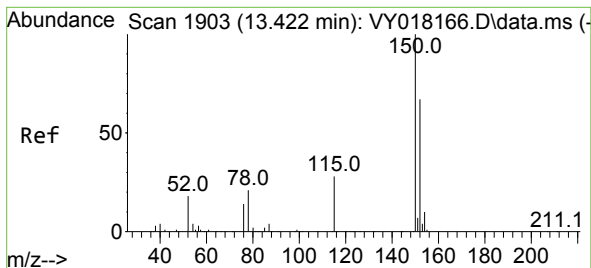
Ion Ratio Lower Upper

117 100

82 50.5 42.4 63.6

119 31.2 25.9 38.9

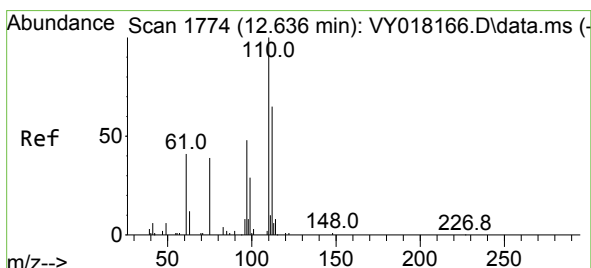
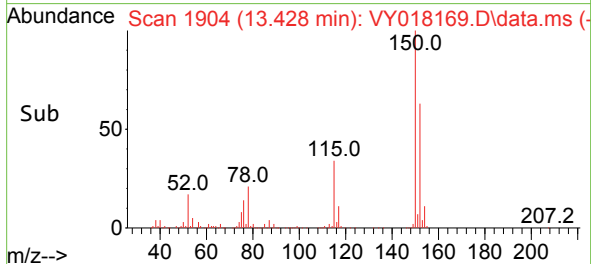
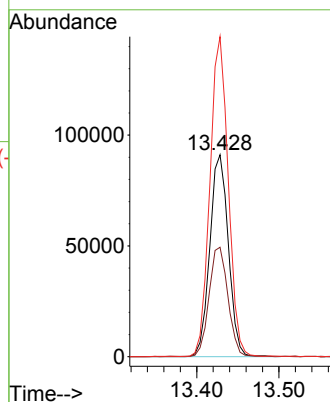
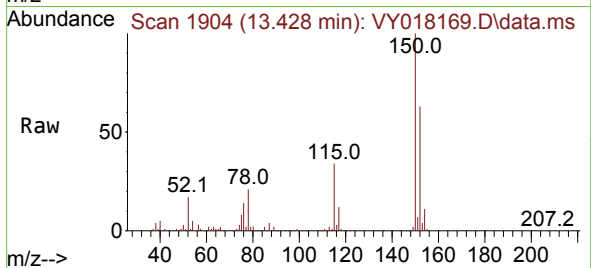




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY018169.D
 Acq: 07 May 2024 12:37

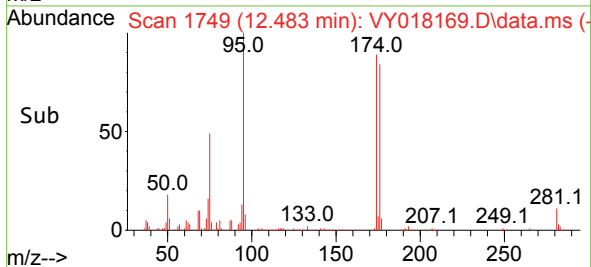
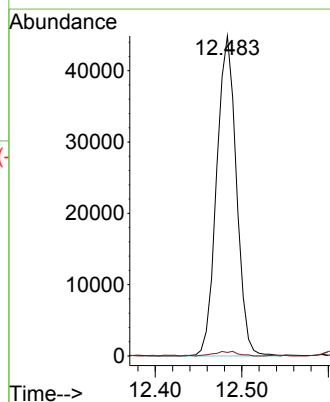
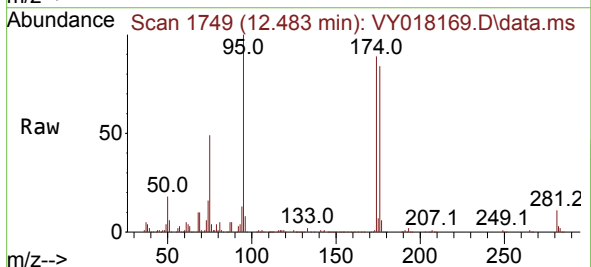
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

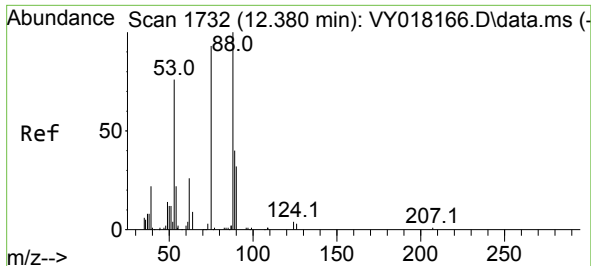
Tgt Ion:152 Resp: 142905
 Ion Ratio Lower Upper
 152 100
 115 55.2 28.2 84.7
 150 155.8 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 62.174 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY018169.D
 Acq: 07 May 2024 12:37

Tgt Ion: 75 Resp: 71119
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

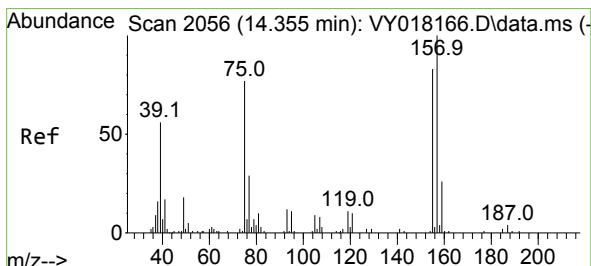
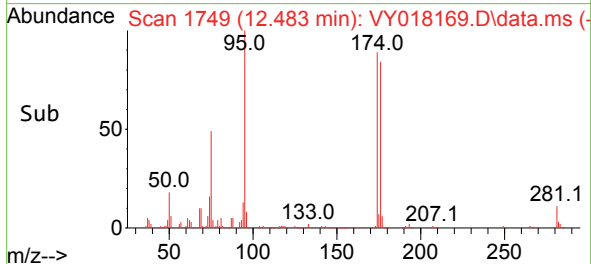
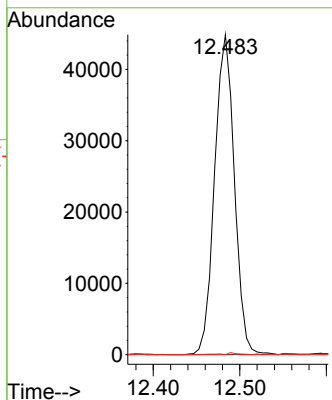
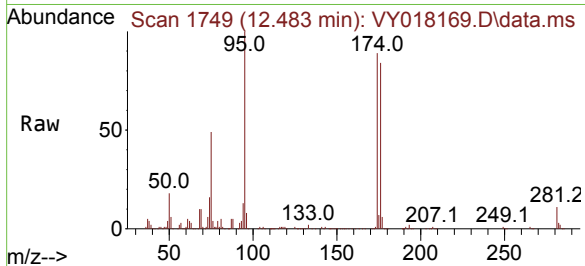




#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.789 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY018169.D
 Acq: 07 May 2024 12:37

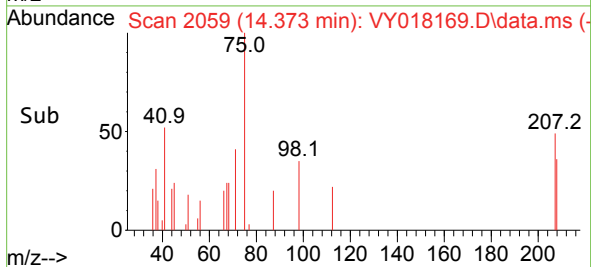
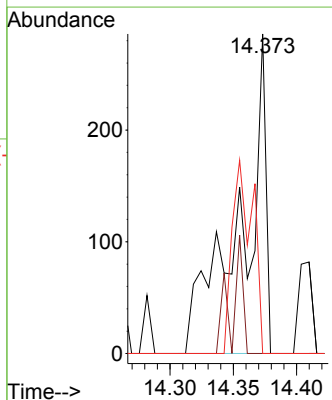
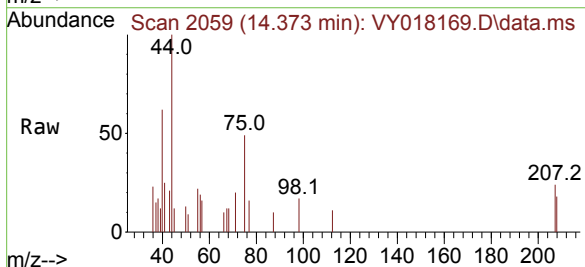
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

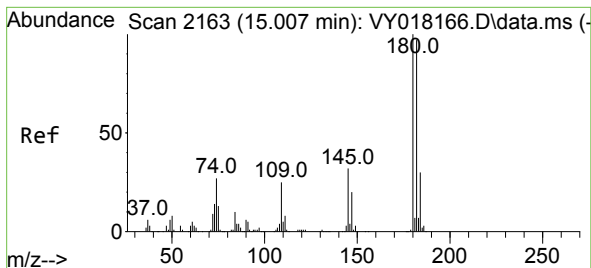
Tgt Ion: 75 Resp: 71119
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.8 100.2#
 89 0.0 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.637 ug/l
 RT: 14.373 min Scan# 2059
 Delta R.T. 0.018 min
 Lab File: VY018169.D
 Acq: 07 May 2024 12:37

Tgt Ion: 75 Resp: 381
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.383 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY018169.D

Acq: 07 May 2024 12:37

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

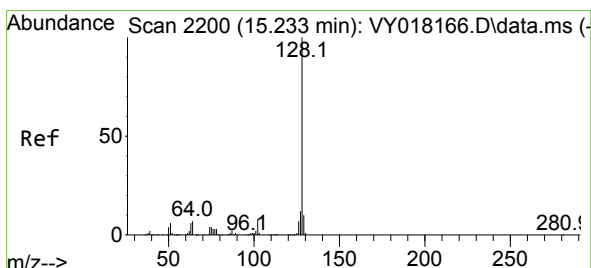
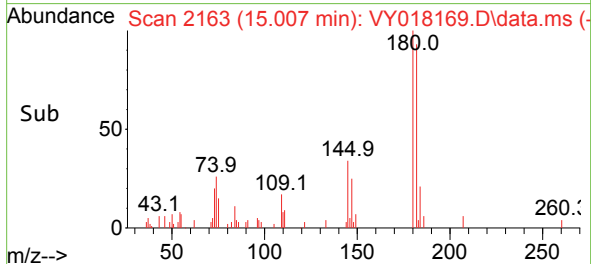
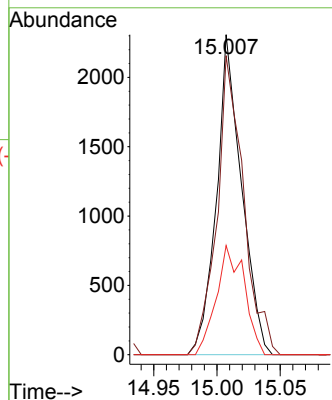
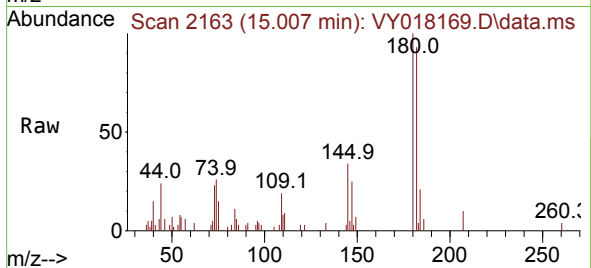
Tgt Ion:180 Resp: 3177

Ion Ratio Lower Upper

180 100

182 99.2 47.9 143.8

145 38.1 14.2 42.6



#95

Naphthalene

Concen: 1.927 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY018169.D

Acq: 07 May 2024 12:37

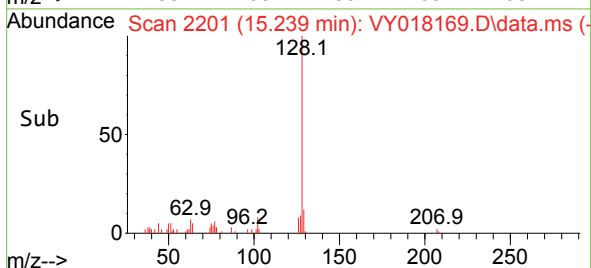
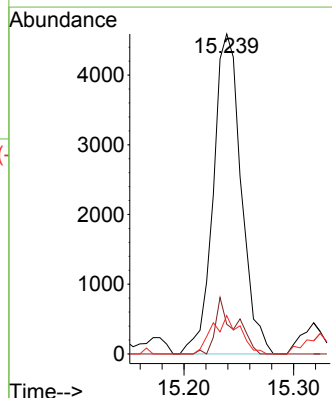
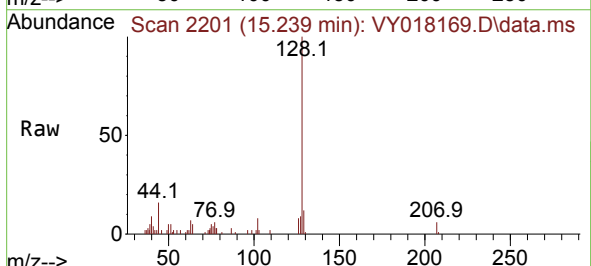
Tgt Ion:128 Resp: 8111

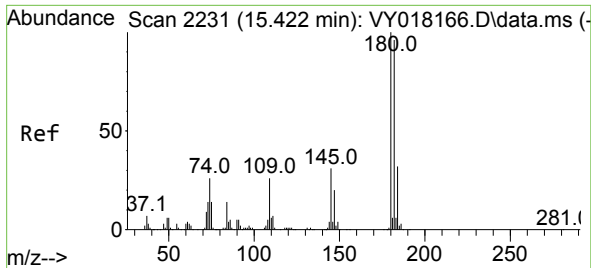
Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

129 12.0 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.821 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY018169.D
 Acq: 07 May 2024 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:	180	Resp:	3432
Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.6	142.9
145	37.4	15.4	46.1

