

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
 Data File : VY018314.D
 Acq On : 17 May 2024 17:33
 Operator : SY/MD
 Sample : P2486-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WCS-TPL

Quant Time: May 18 00:53:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

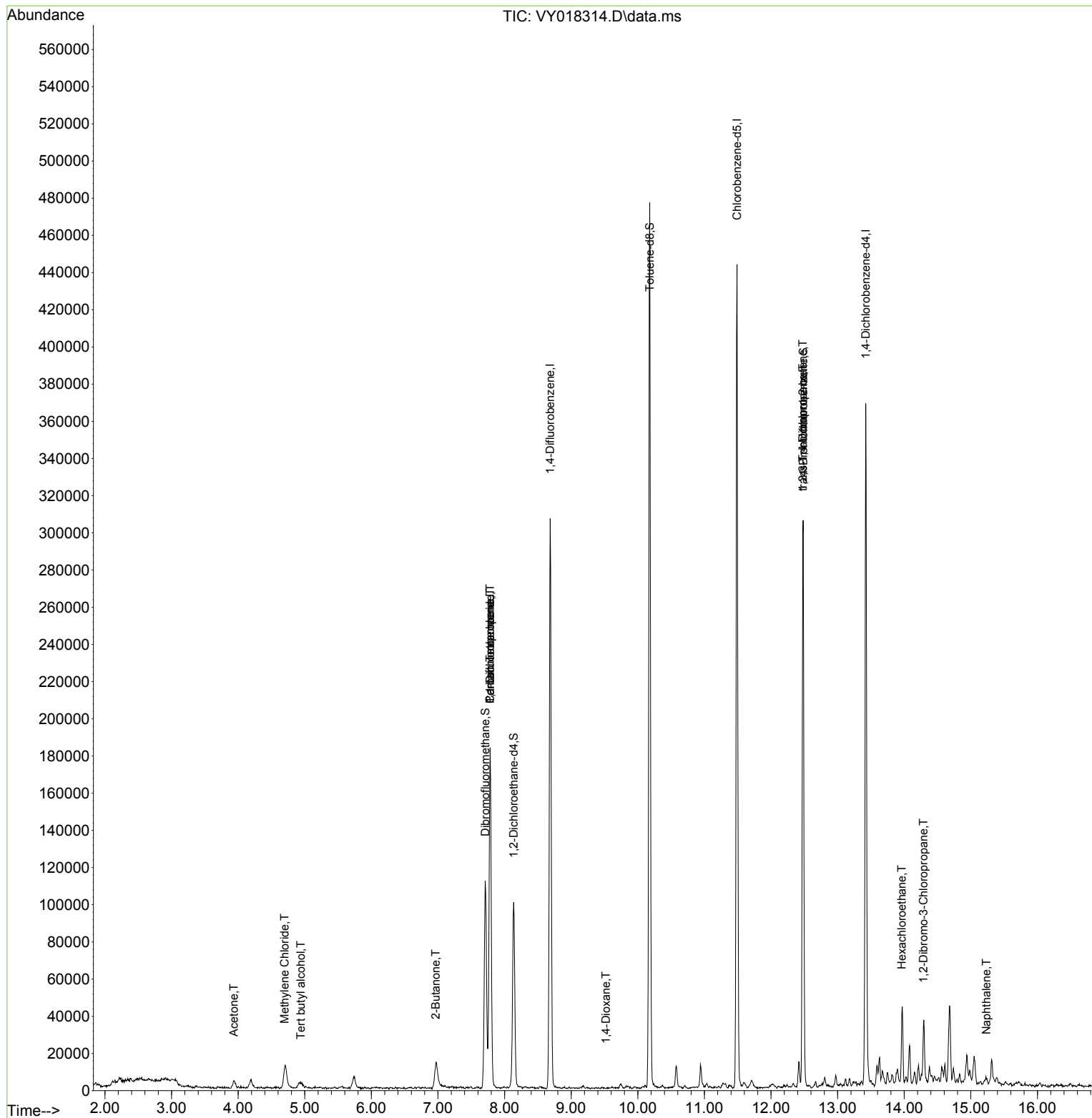
Internal Standards						
1) Pentafluorobenzene	7.783	168	136522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	267765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	238716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	89949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73321	73.003	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.000%			
35) Dibromofluoromethane	7.709	113	79857	56.748	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.500%			
50) Toluene-d8	10.179	98	311458	56.165	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.340%			
62) 4-Bromofluorobenzene	12.483	95	97330	54.349	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.700%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	5743	55.865	ug/l	100
13) Acrolein	3.716	56	236	Below Cal	#	79
16) Acetone	3.936	43	7212	35.983	ug/l #	79
20) Methylene Chloride	4.698	84	9336	6.590	ug/l #	82
25) 2-Butanone	6.966	43	796	2.485	ug/l #	87
31) Cyclohexane	7.783	56	3357	Below Cal	#	25
36) 1,1-Dichloropropene	7.783	75	11658	5.779	ug/l #	47
38) Carbon Tetrachloride	7.783	117	14005	6.353	ug/l #	17
49) 1,4-Dioxane	9.520	88	39	3.603	ug/l #	27
76) 1,2,3-Trichloropropane	12.477	75	49335	68.522	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	49335	132.020	ug/l #	16
90) Hexachloroethane	13.964	117	1890	1.628	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.288	75	230	1.570	ug/l #	1
95) Naphthalene	15.233	128	2866	1.082	ug/l #	86

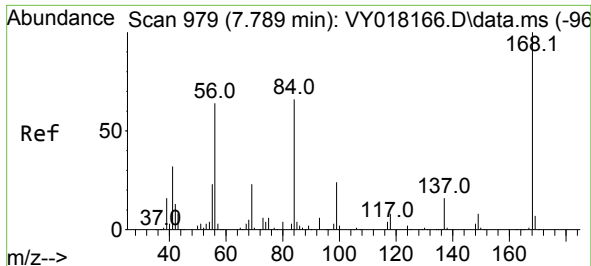
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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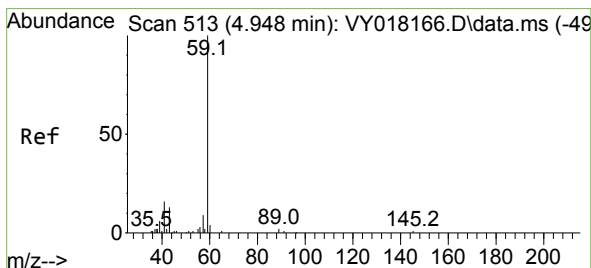
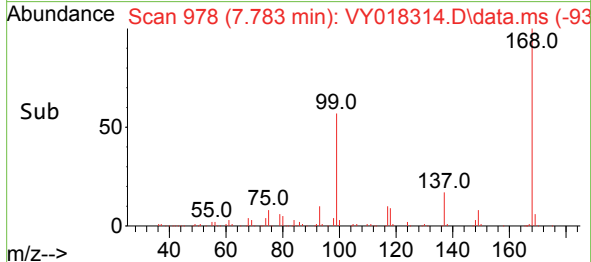
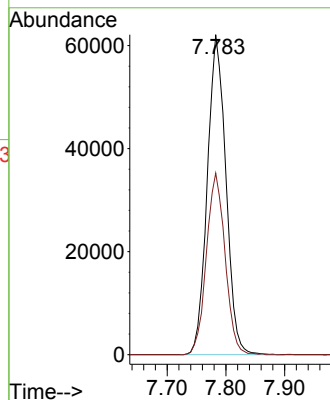
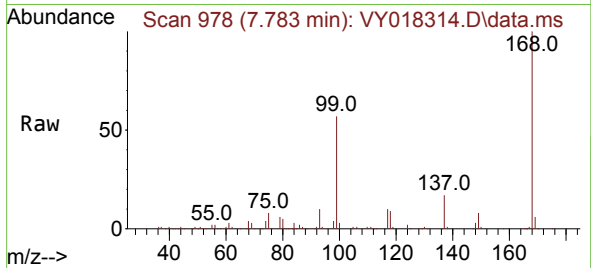




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

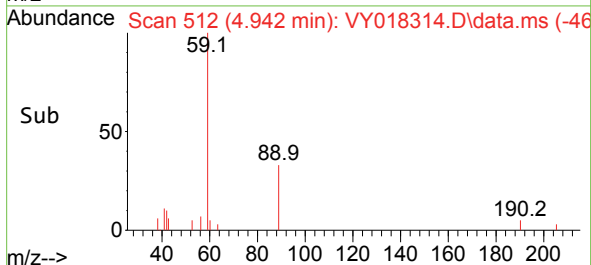
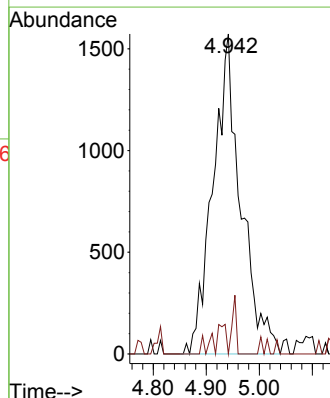
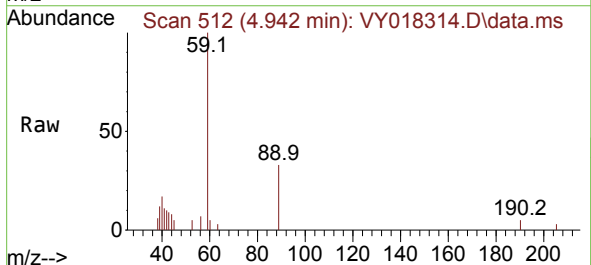
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPL

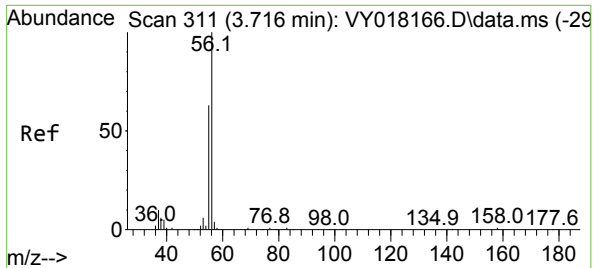
Tgt Ion:168 Resp: 136522
Ion Ratio Lower Upper
168 100
99 56.7 39.1 58.7



#11
Tert butyl alcohol
Concen: 55.865 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

Tgt Ion: 59 Resp: 5743
Ion Ratio Lower Upper
59 100
57 3.7 3.0 4.6

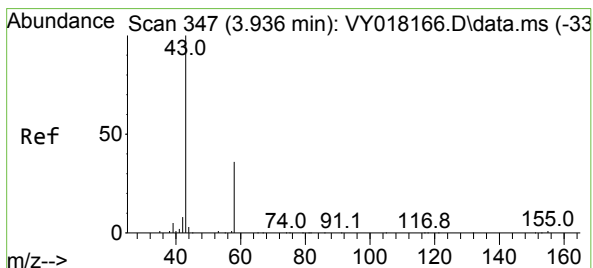
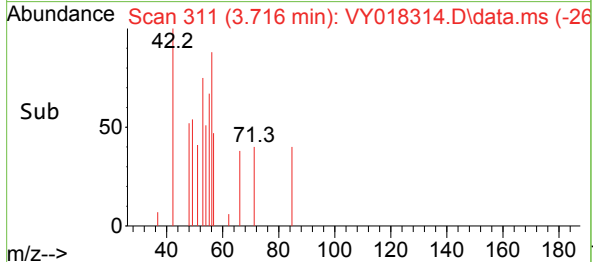
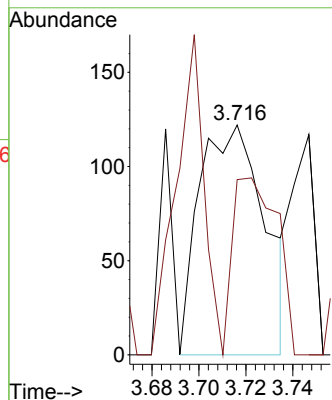
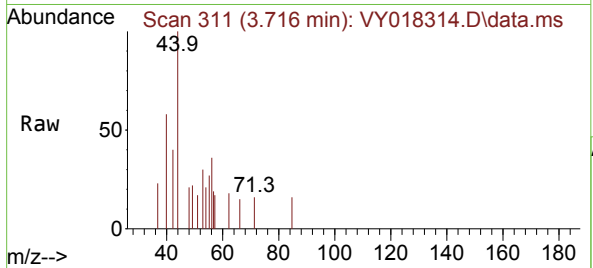




#13
Acrolein
Concen: Below Cal
RT: 3.716 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

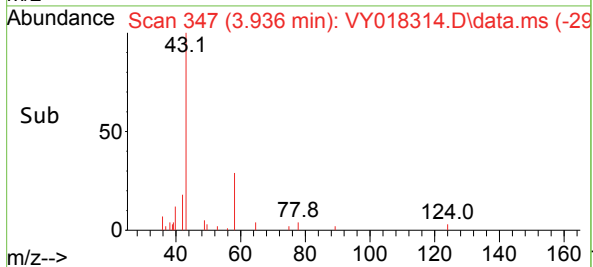
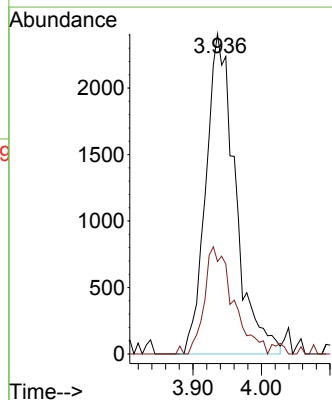
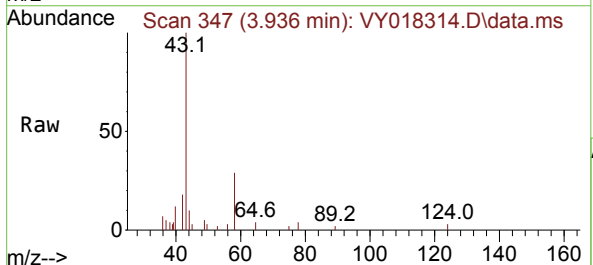
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPL

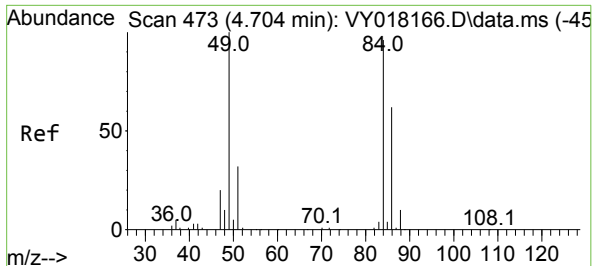
Tgt Ion: 56 Resp: 236
Ion Ratio Lower Upper
56 100
55 52.5 55.7 83.5#



#16
Acetone
Concen: 35.983 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

Tgt Ion: 43 Resp: 7212
Ion Ratio Lower Upper
43 100
58 26.5 31.7 47.5#

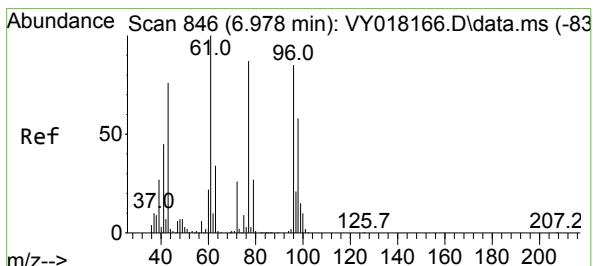
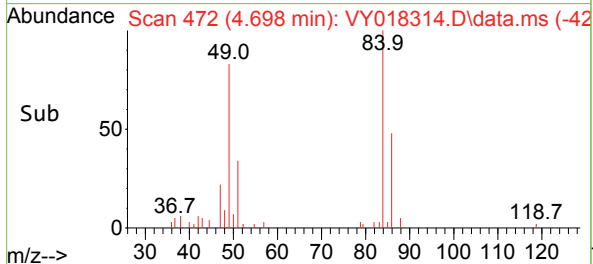
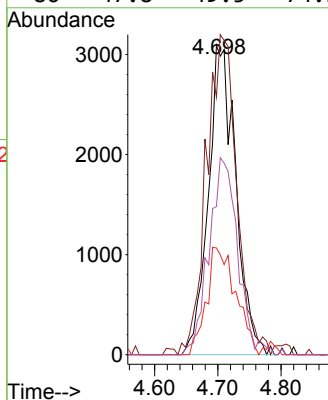
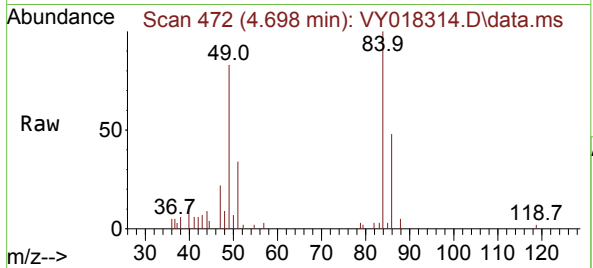




#20
Methylene Chloride
Concen: 6.590 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

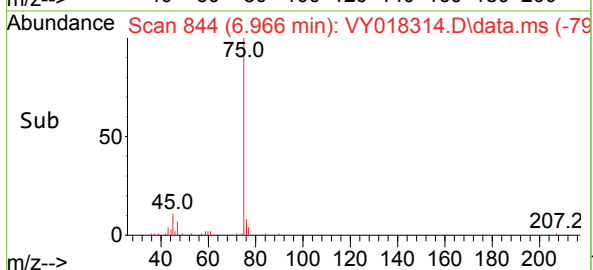
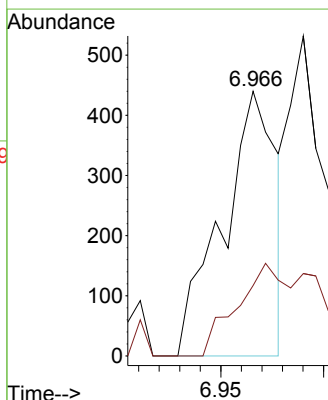
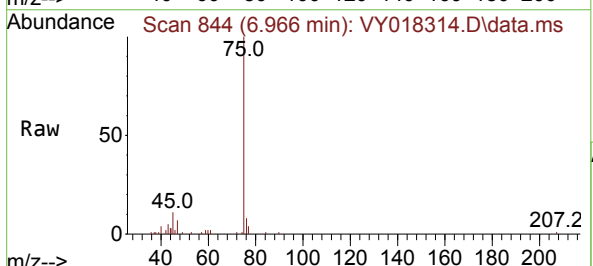
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPL

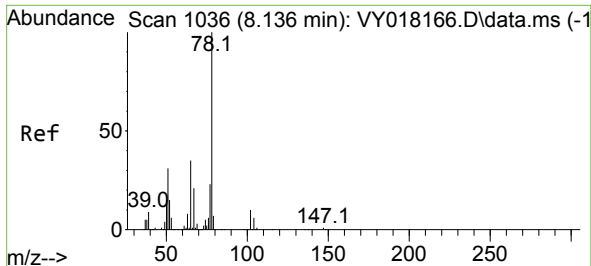
Tgt Ion:	84	Resp:	9336
Ion	Ratio	Lower	Upper
84	100		
49	83.2	84.4	126.6#
51	34.5	26.0	39.0
86	47.8	49.5	74.3#



#25
2-Butanone
Concen: 2.485 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

Tgt Ion:	43	Resp:	796
Ion	Ratio	Lower	Upper
43	100		
72	26.6	27.3	40.9#





#33

1,2-Dichloroethane-d4

Concen: 73.003 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY018314.D

Acq: 17 May 2024 17:33

Instrument :

MSVOA_Y

ClientSampleId :

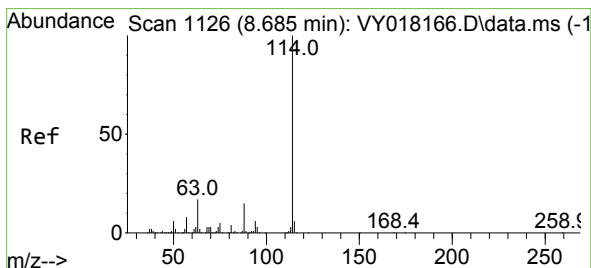
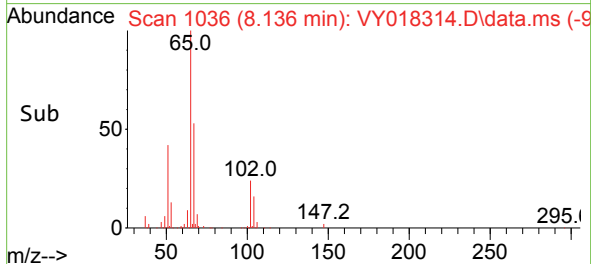
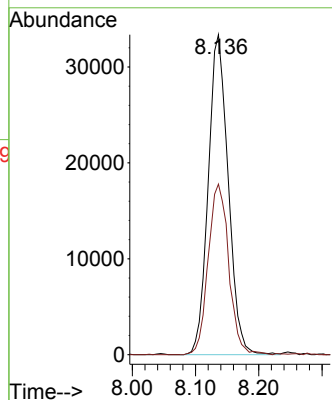
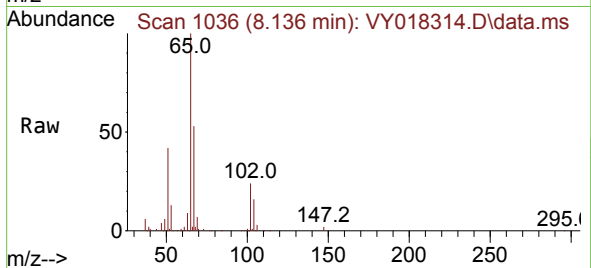
WCS-TPL

Tgt Ion: 65 Resp: 73321

Ion Ratio Lower Upper

65 100

67 54.9 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: VY018314.D

Acq: 17 May 2024 17:33

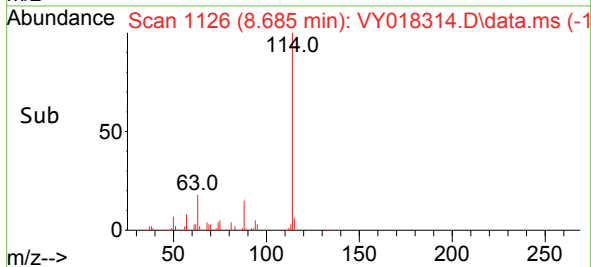
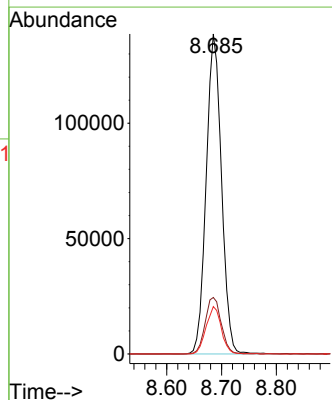
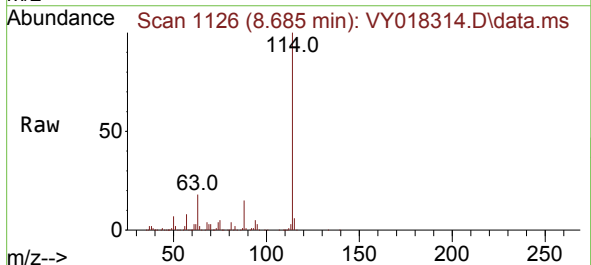
Tgt Ion: 114 Resp: 267765

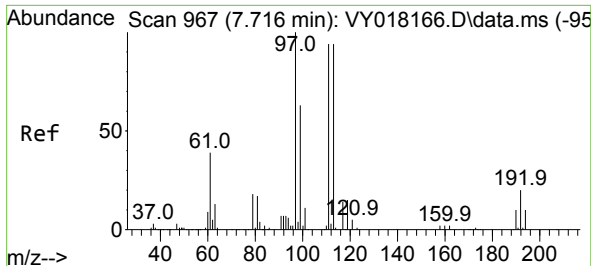
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 14.8 0.0 27.2

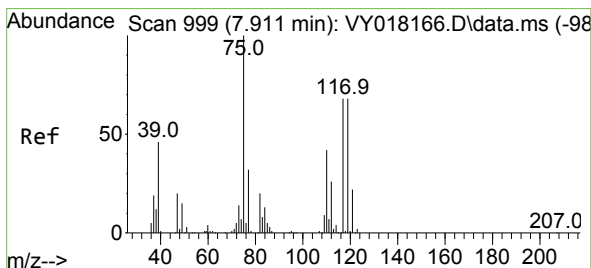
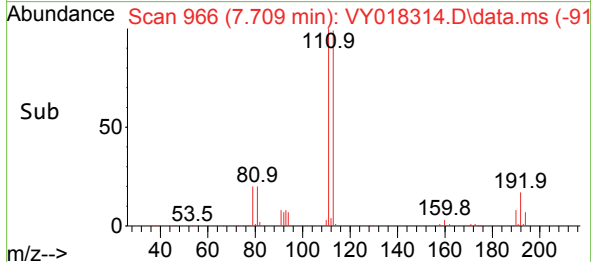
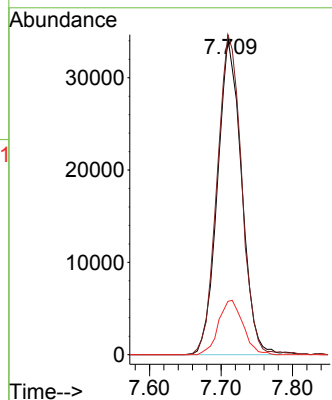
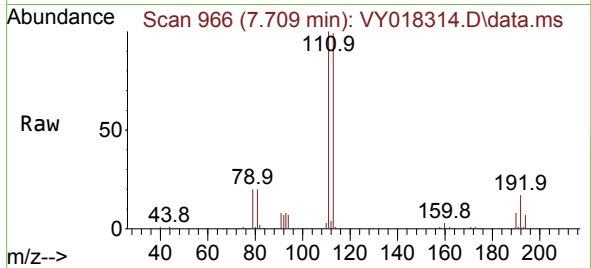




#35
Dibromofluoromethane
Concen: 56.748 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

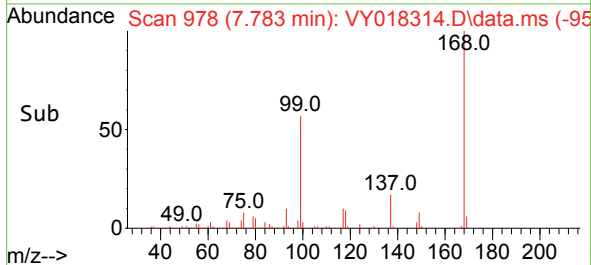
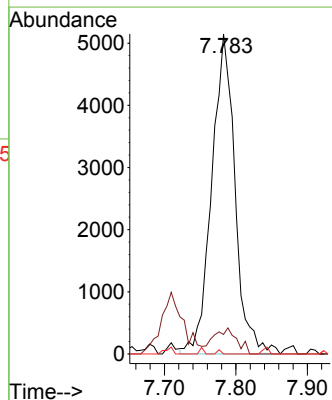
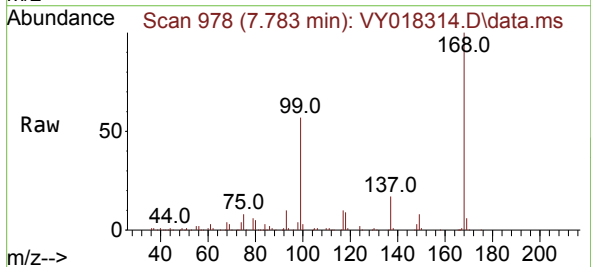
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WCS-TPL

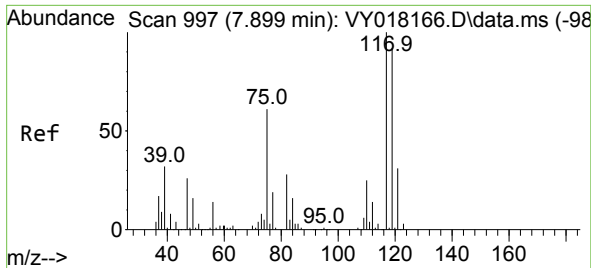
Tgt Ion:113 Resp: 79857
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 17.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.779 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

Tgt Ion: 75 Resp: 11658
Ion Ratio Lower Upper
75 100
110 8.2 19.0 57.0#
77 0.2 25.3 37.9#

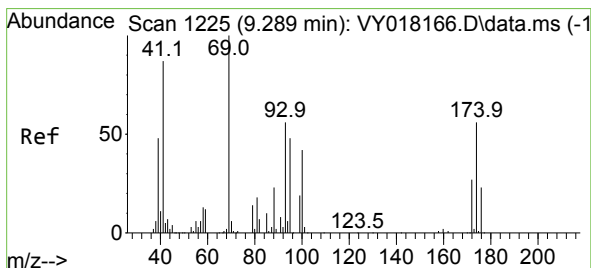
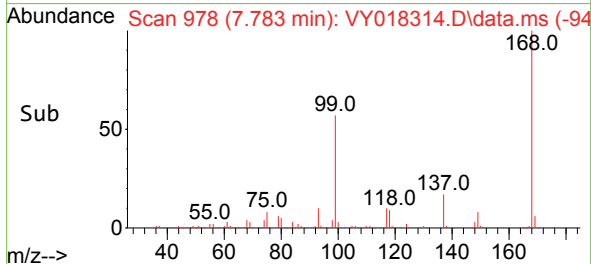
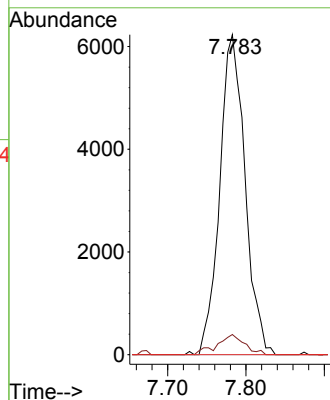
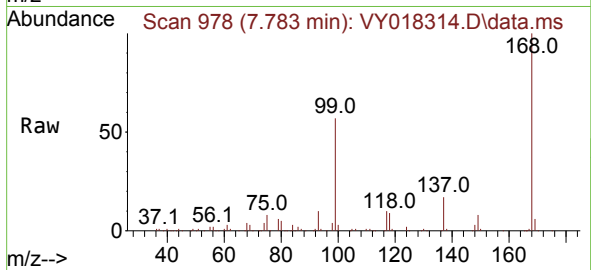




#38
Carbon Tetrachloride
Concen: 6.353 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

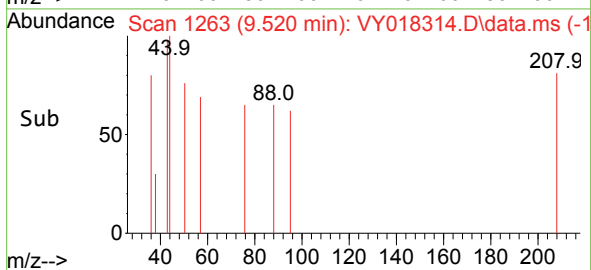
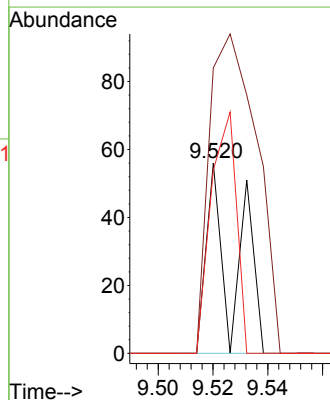
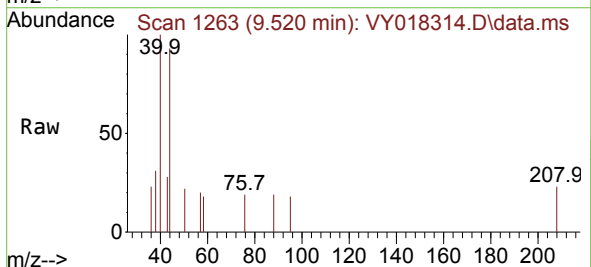
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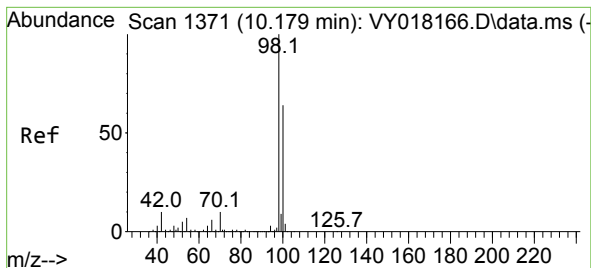
Tgt Ion:117 Resp: 14005
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 3.603 ug/l
RT: 9.520 min Scan# 1263
Delta R.T. 0.231 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 289.7 0.0 0.0#
58 117.9 49.3 73.9#





#50

Toluene-d8

Concen: 56.165 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018314.D

Acq: 17 May 2024 17:33

Instrument :

MSVOA_Y

ClientSampleId :

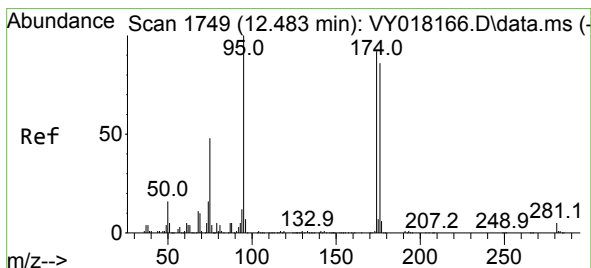
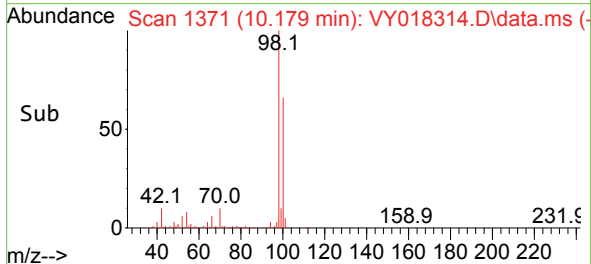
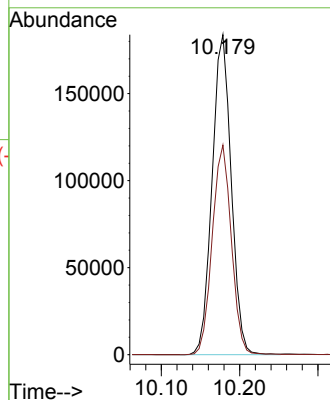
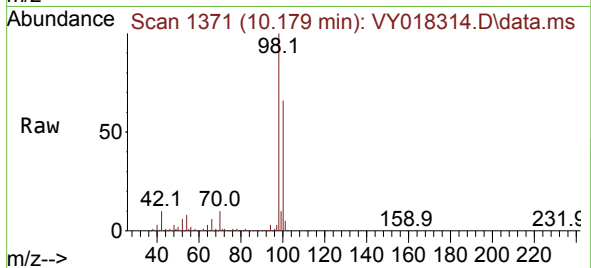
WCS-TPL

Tgt Ion: 98 Resp: 311458

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 54.349 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY018314.D

Acq: 17 May 2024 17:33

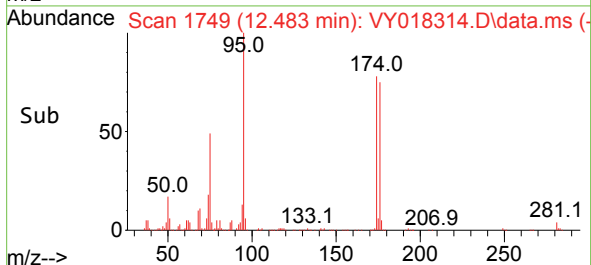
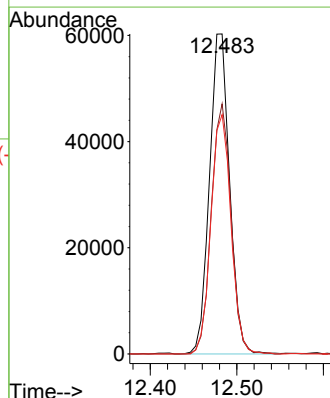
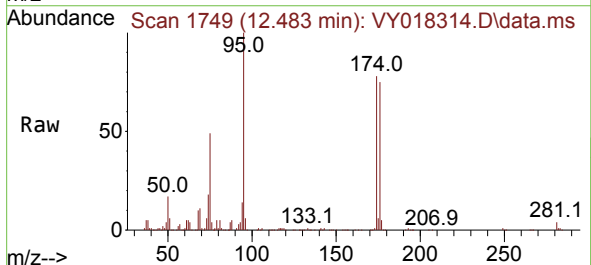
Tgt Ion: 95 Resp: 97330

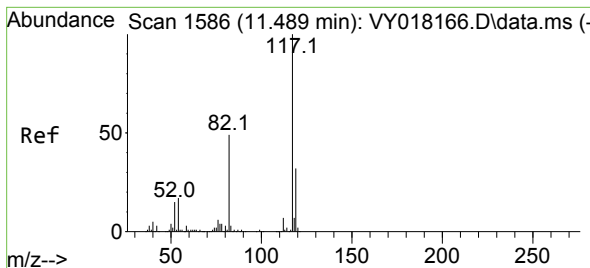
Ion Ratio Lower Upper

95 100

174 76.9 0.0 175.6

176 74.5 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: VY018314.D

Acq: 17 May 2024 17:33

Instrument :

MSVOA_Y

ClientSampleId :

WCS-TPL

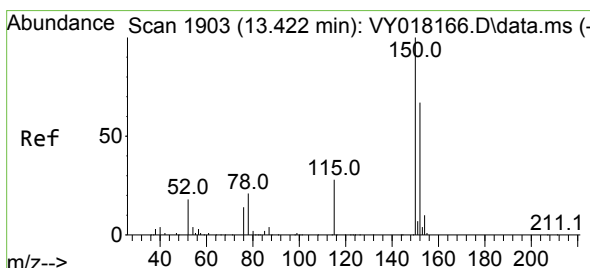
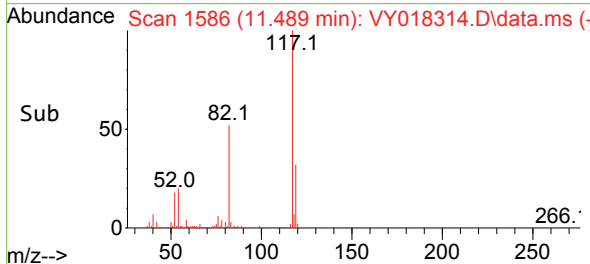
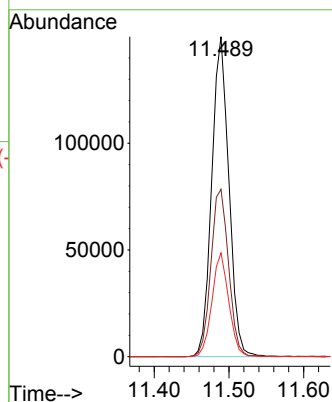
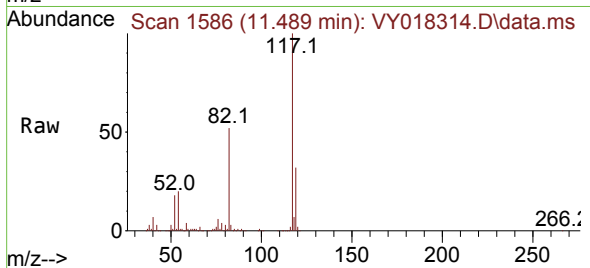
Tgt Ion:117 Resp: 238716

Ion Ratio Lower Upper

117 100

82 52.3 42.4 63.6

119 32.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018314.D

Acq: 17 May 2024 17:33

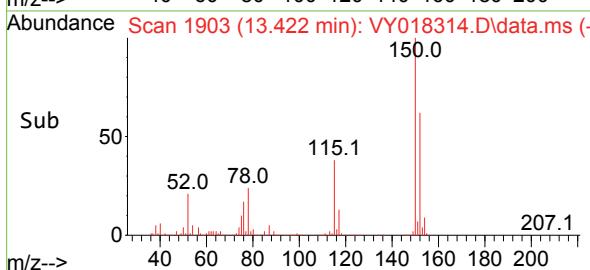
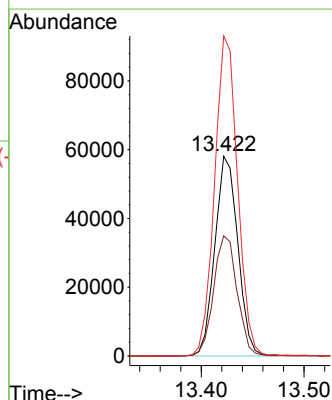
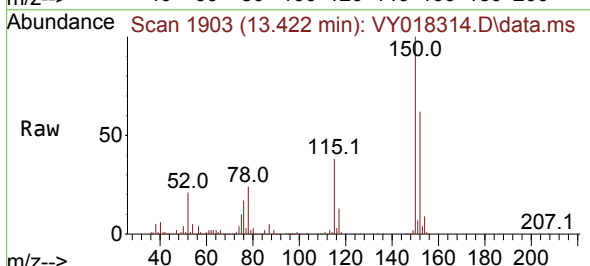
Tgt Ion:152 Resp: 89949

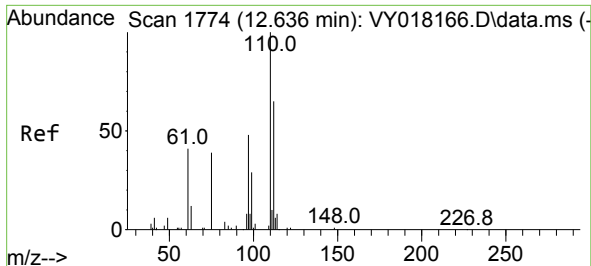
Ion Ratio Lower Upper

152 100

115 61.6 28.2 84.7

150 160.7 0.0 345.6

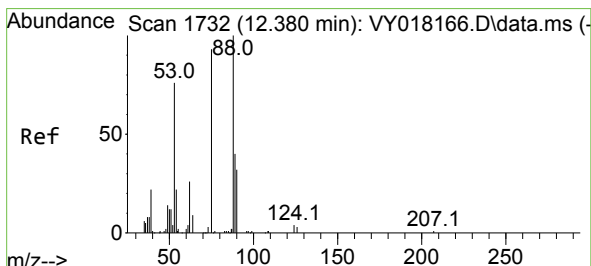
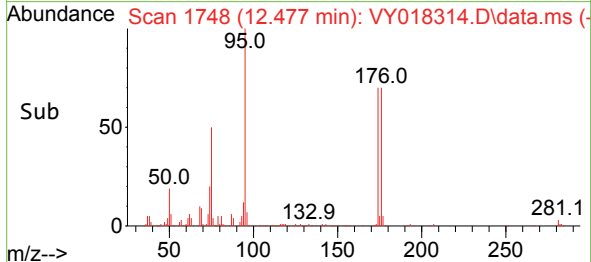
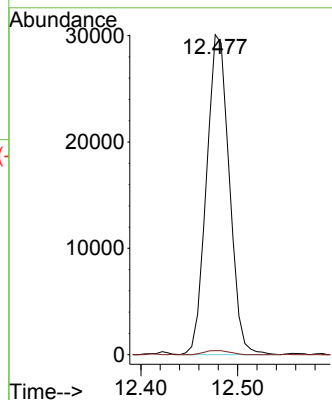
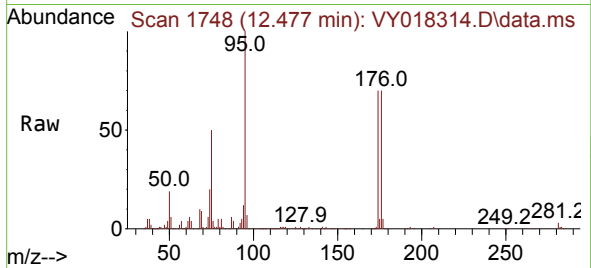




#76
1,2,3-Trichloropropane
Concen: 68.522 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

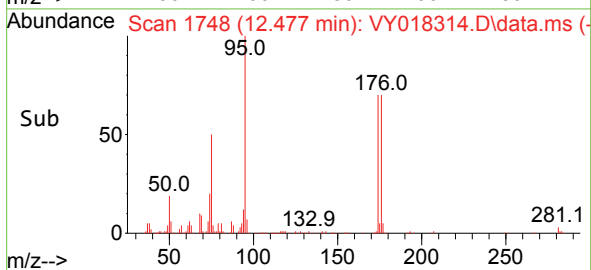
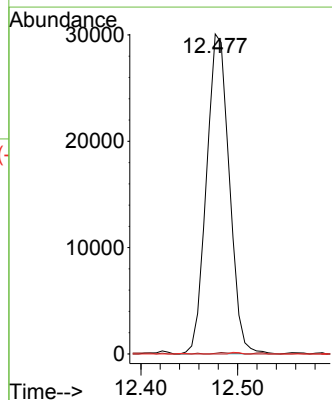
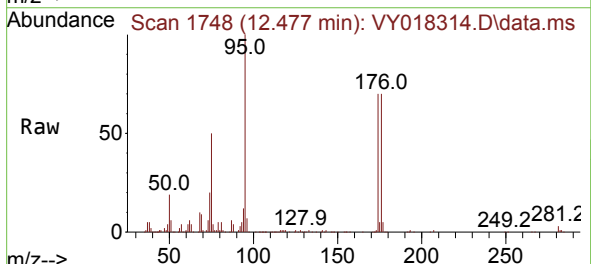
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPL

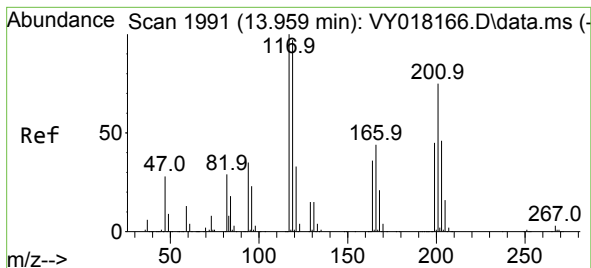
Tgt Ion: 75 Resp: 49335
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.020 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY018314.D
Acq: 17 May 2024 17:33

Tgt Ion: 75 Resp: 49335
Ion Ratio Lower Upper
75 100
53 0.3 66.8 100.2#
89 0.2 35.8 53.6#





#90

Hexachloroethane

Concen: 1.628 ug/l

RT: 13.964 min Scan# 1991

Delta R.T. 0.006 min

Lab File: VY018314.D

Acq: 17 May 2024 17:33

Instrument :

MSVOA_Y

ClientSampleId :

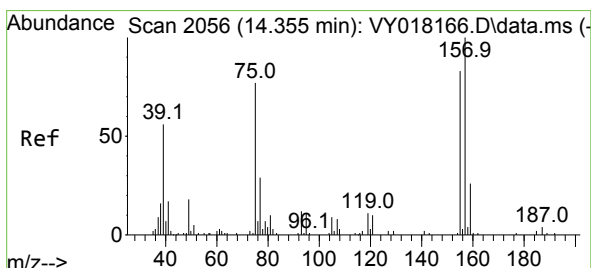
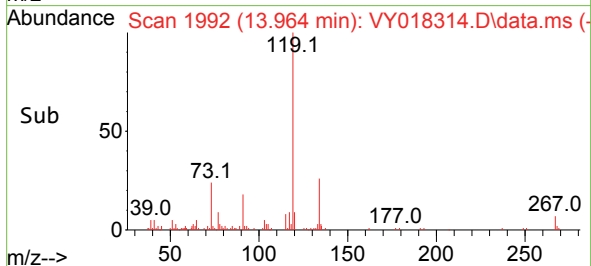
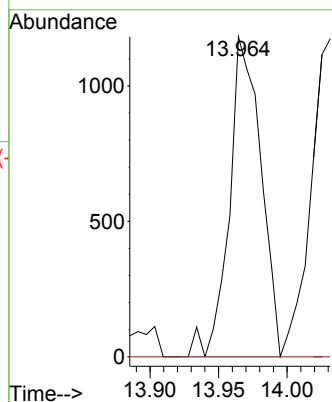
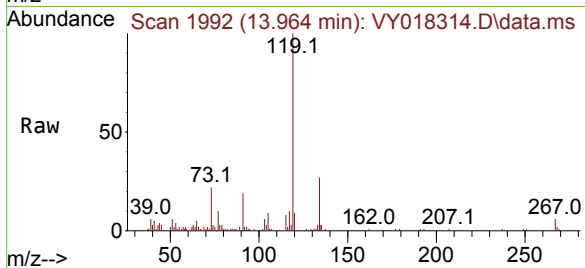
WCS-TPL

Tgt Ion:117 Resp: 1890

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.570 ug/l

RT: 14.288 min Scan# 2045

Delta R.T. -0.067 min

Lab File: VY018314.D

Acq: 17 May 2024 17:33

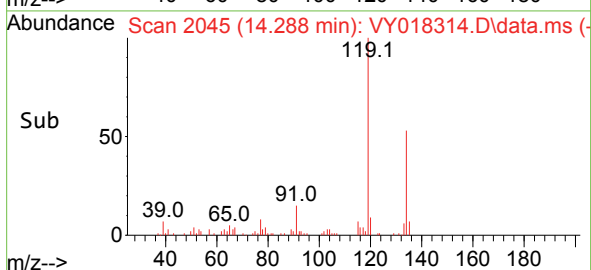
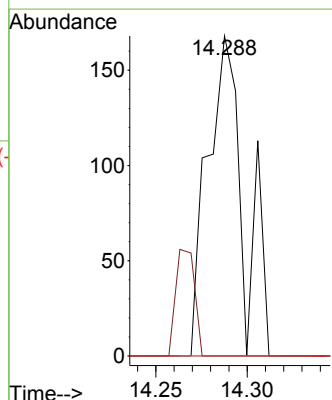
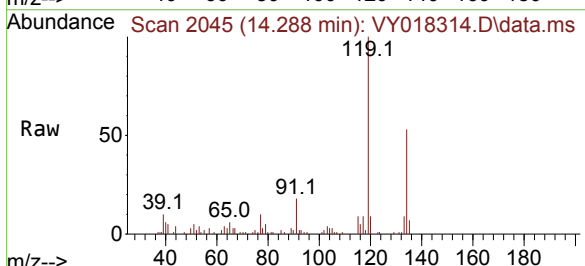
Tgt Ion: 75 Resp: 230

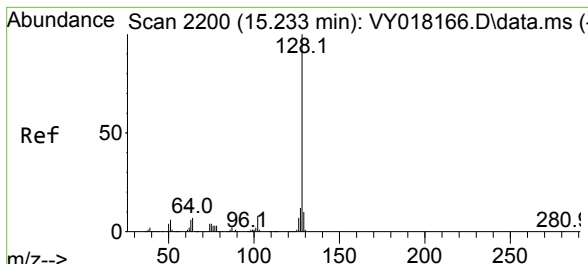
Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

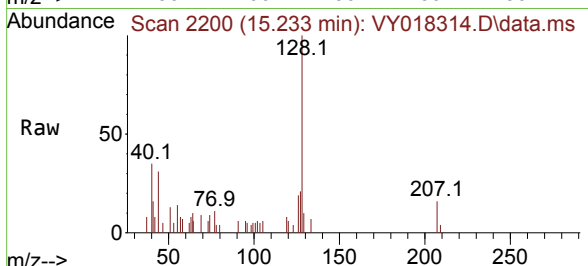
157 0.0 62.7 188.2#





#95
 Naphthalene
 Concen: 1.082 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY018314.D
 Acq: 17 May 2024 17:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 WCS-TPL



Tgt Ion:	128	Resp:	2866
Ion	Ratio	Lower	Upper
128	100		
127	20.3	10.6	16.0#
129	7.2	8.6	13.0#

