

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050224\
 Data File : VY018123.D
 Acq On : 02 May 2024 17:41
 Operator : SY/MD
 Sample : P2330-09
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 02 23:07:13 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)

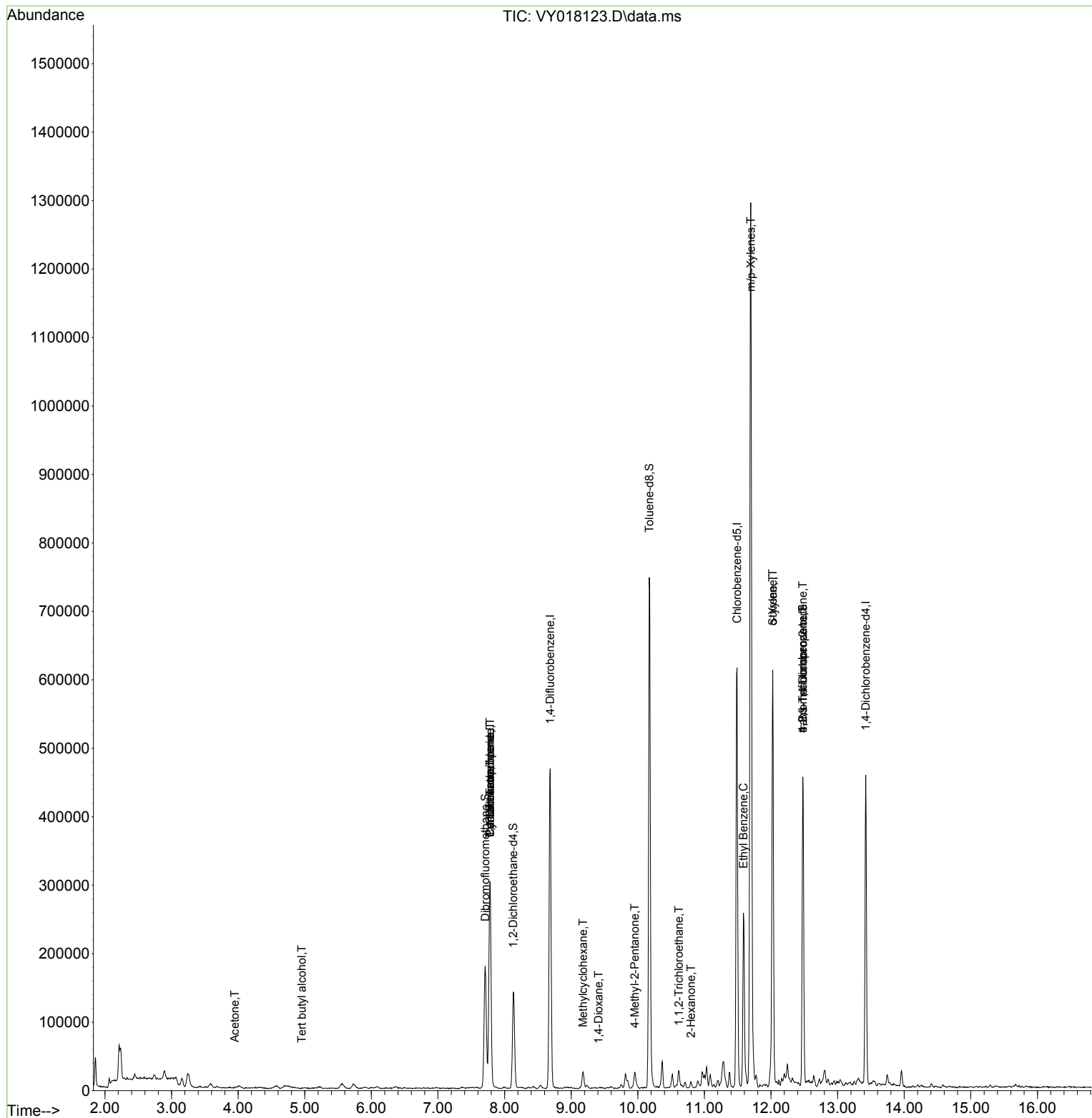
Internal Standards						
1) Pentafluorobenzene	7.783	168	253882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	444338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	368519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	119331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	104526	52.232	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.460%	
35) Dibromofluoromethane	7.710	113	127565	49.957	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.920%	
50) Toluene-d8	10.173	98	483406	48.493	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.980%	
62) 4-Bromofluorobenzene	12.477	95	133707	38.975	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.940%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.954	59	239	1.465	ug/l #	88
16) Acetone	3.948	43	740	1.941	ug/l #	77
31) Cyclohexane	7.783	56	5133	1.339	ug/l #	18
36) 1,1-Dichloropropene	7.783	75	16720	4.905	ug/l #	51
38) Carbon Tetrachloride	7.783	117	23317	6.027	ug/l #	17
39) Methylcyclohexane	9.179	83	10026	2.003	ug/l #	83
49) 1,4-Dioxane	9.411	88	19	1.179	ug/l #	36
51) 4-Methyl-2-Pentanone	9.953	43	9837	6.463	ug/l #	41
55) 1,1,2-Trichloroethane	10.618	97	11958	6.119	ug/l #	21
59) 2-Hexanone	10.801	43	3012	2.773	ug/l #	25
67) Ethyl Benzene	11.587	91	180874	13.866	ug/l	94
68) m/p-Xylenes	11.697	106	424054	81.133	ug/l	96
69) o-Xylene	12.026	106	168713	33.601	ug/l	96
70) Styrene	12.026	104	9101	1.077	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	65782	65.684	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65782	119.662	ug/l #	16

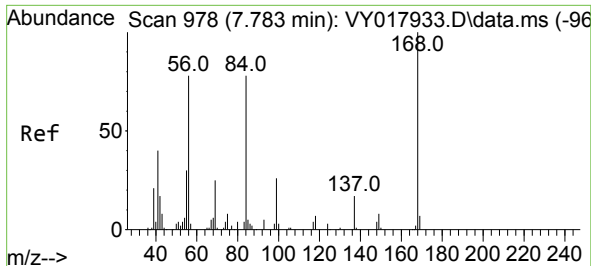
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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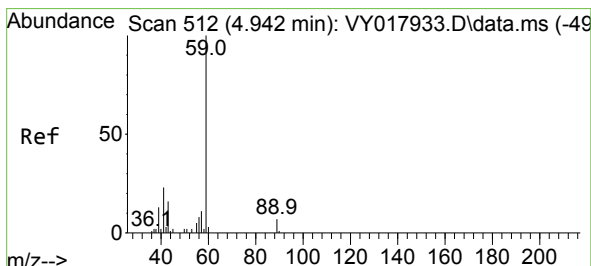
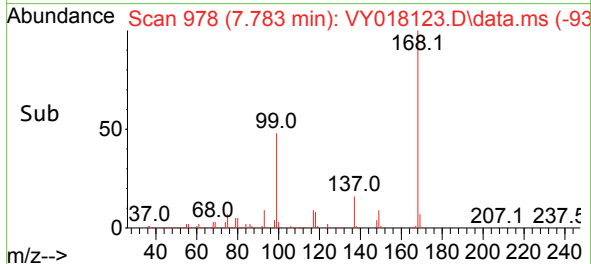
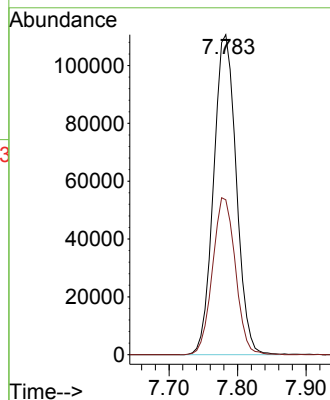
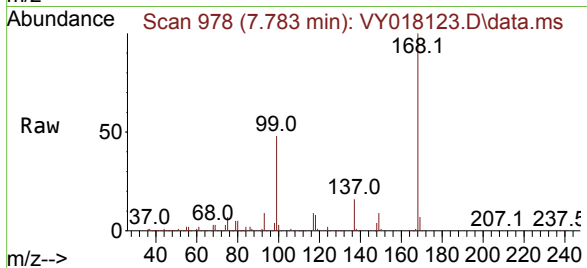




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

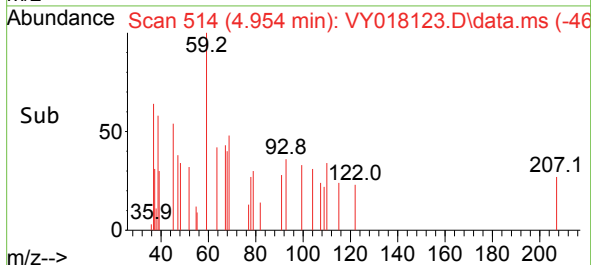
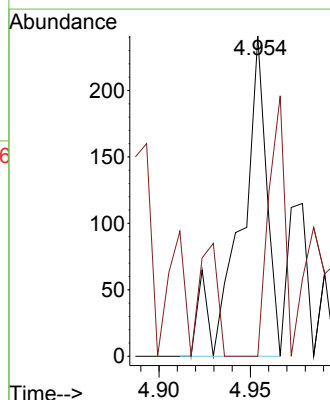
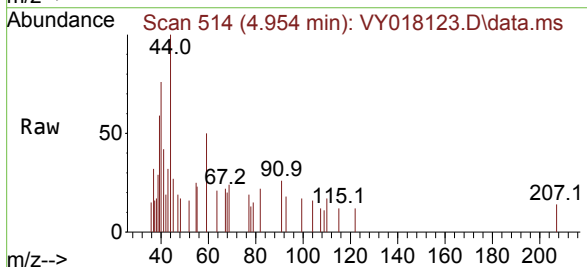
Instrument :
MSVOA_Y
ClientSampleId :

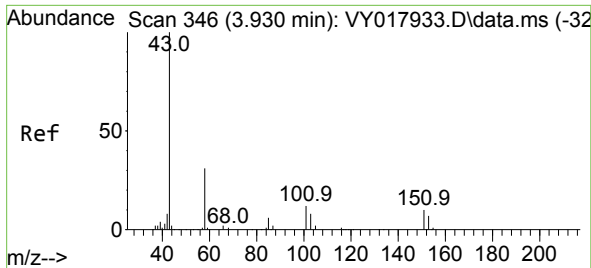
Tgt Ion:168 Resp: 253882
Ion Ratio Lower Upper
168 100
99 48.4 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.465 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

Tgt Ion: 59 Resp: 239
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 1.941 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY018123.D

Acq: 02 May 2024 17:41

Instrument :

MSVOA_Y

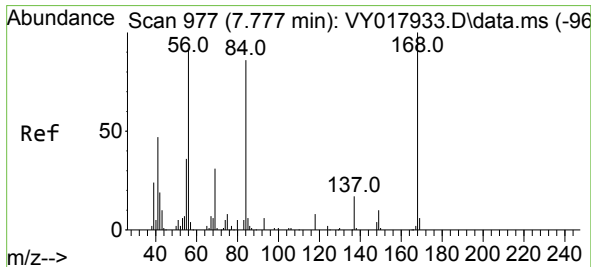
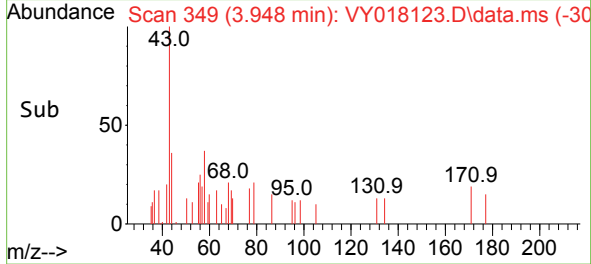
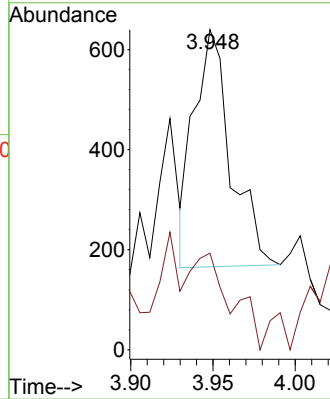
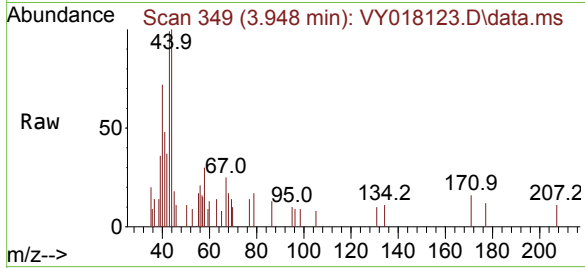
ClientSampleId :

Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

43 100

58 25.3 31.7 47.5#



#31

Cyclohexane

Concen: 1.339 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY018123.D

Acq: 02 May 2024 17:41

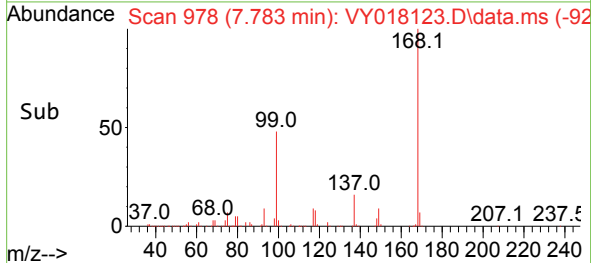
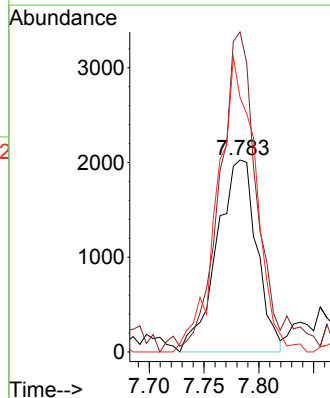
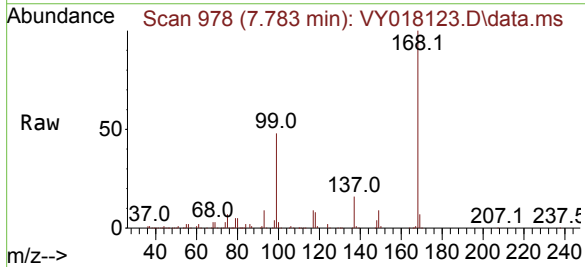
Tgt Ion: 56 Resp: 5133

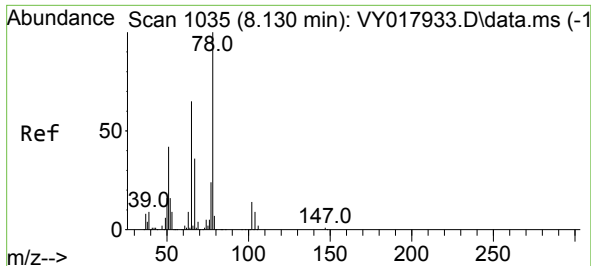
Ion Ratio Lower Upper

56 100

69 163.7 28.7 43.1#

84 128.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 52.232 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.012 min

Lab File: VY018123.D

Acq: 02 May 2024 17:41

Instrument :

MSVOA_Y

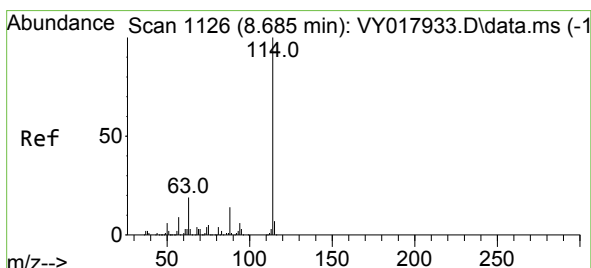
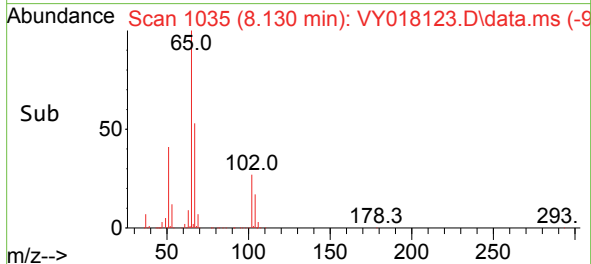
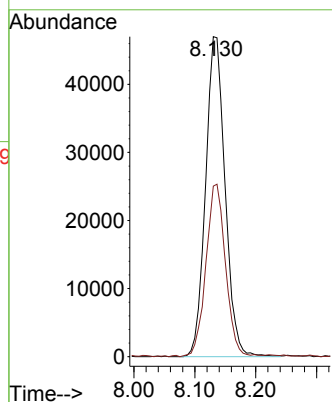
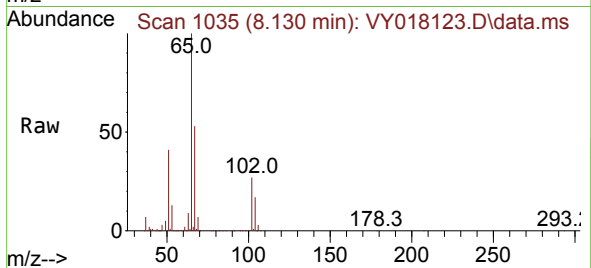
ClientSampleId :

Tgt Ion: 65 Resp: 104526

Ion Ratio Lower Upper

65 100

67 54.2 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: VY018123.D

Acq: 02 May 2024 17:41

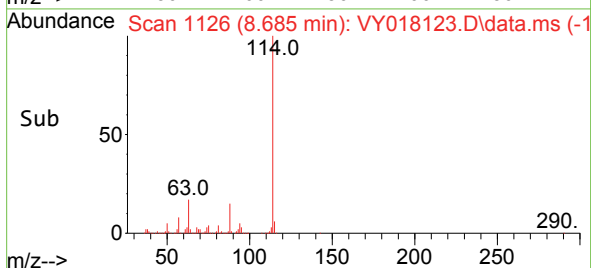
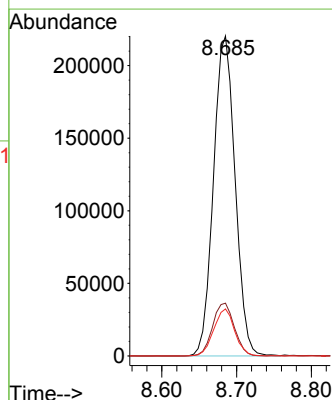
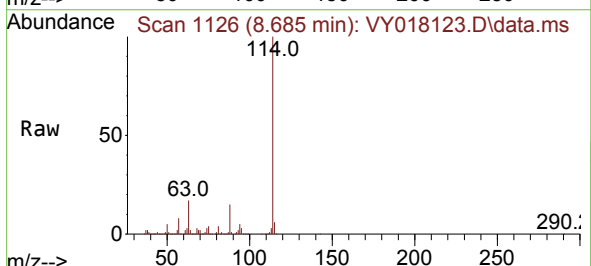
Tgt Ion:114 Resp: 444338

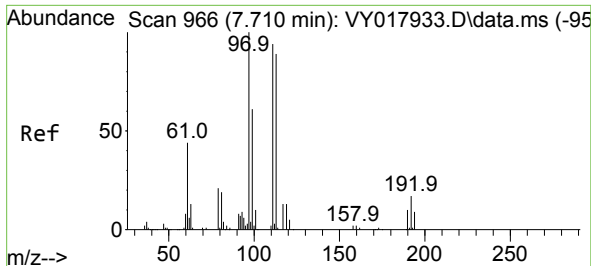
Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

88 14.7 0.0 27.2





#35

Dibromofluoromethane

Concen: 49.957 ug/l

RT: 7.710 min Scan# 91

Delta R.T. -0.012 min

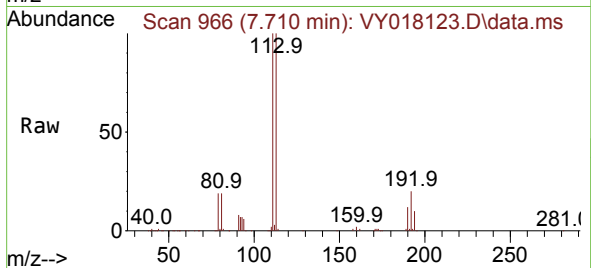
Lab File: VY018123.D

Acq: 02 May 2024 17:41

Instrument :

MSVOA_Y

ClientSampleId :



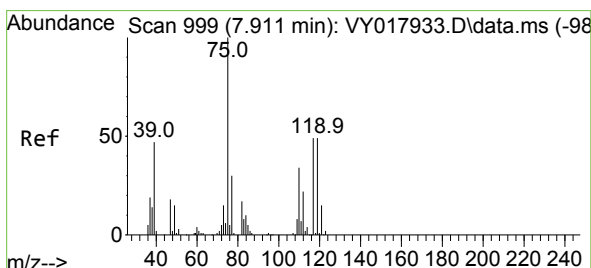
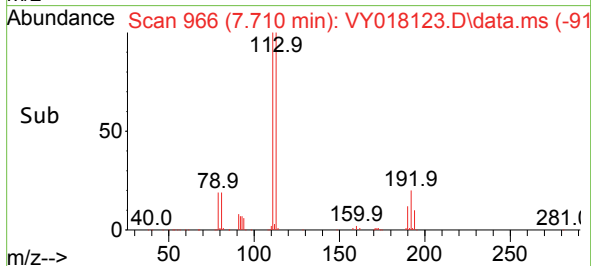
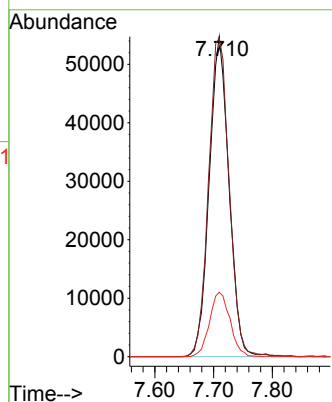
Tgt Ion:113 Resp: 127565

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

192 21.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.905 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY018123.D

Acq: 02 May 2024 17:41

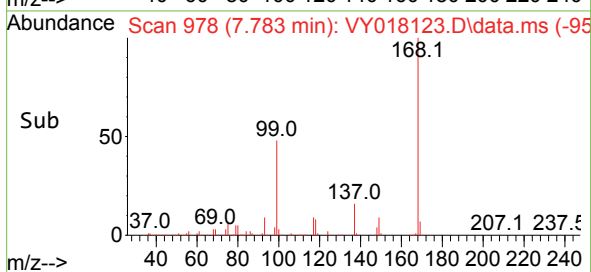
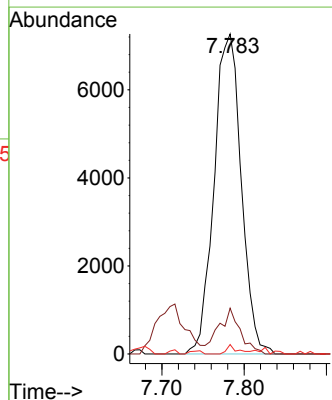
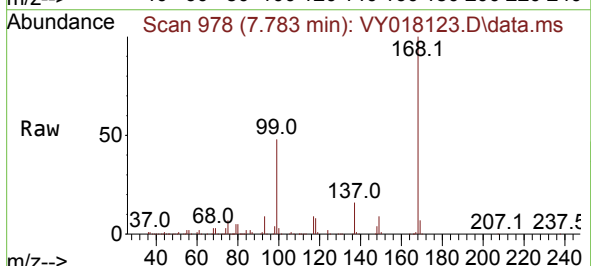
Tgt Ion: 75 Resp: 16720

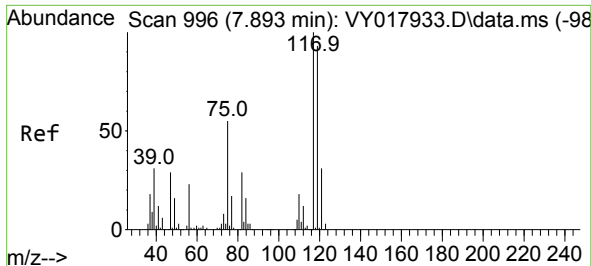
Ion Ratio Lower Upper

75 100

110 11.3 19.0 57.0#

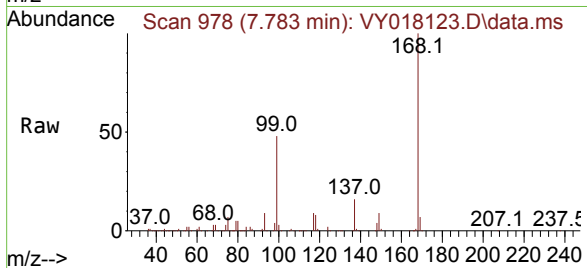
77 1.2 25.3 37.9#



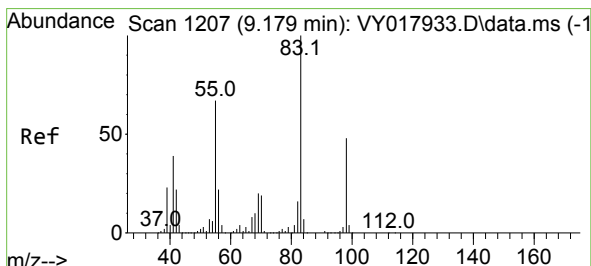
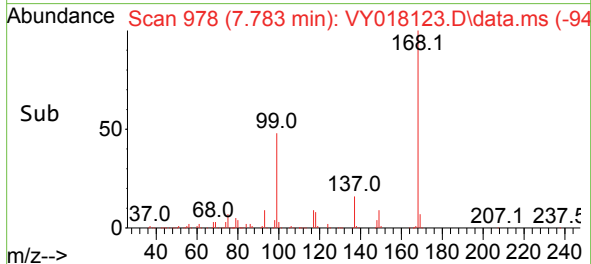
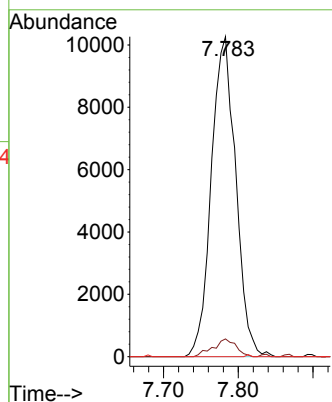


#38
Carbon Tetrachloride
Concen: 6.027 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :

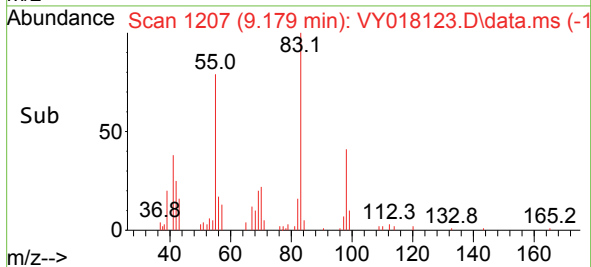
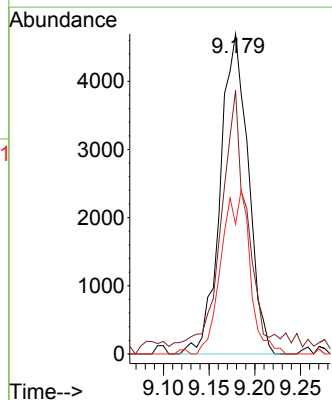
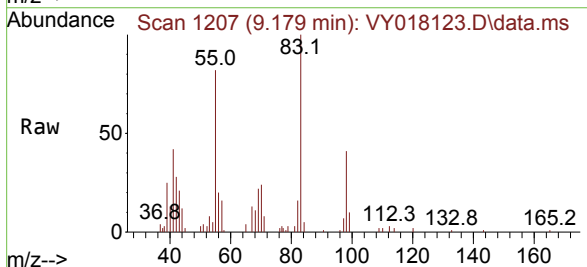


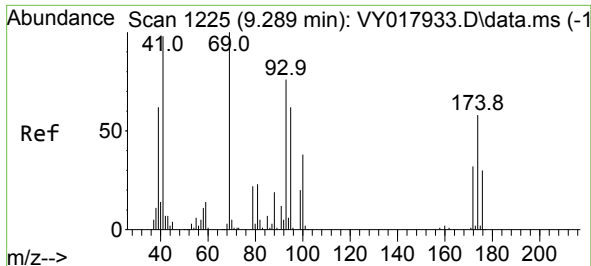
Tgt Ion:117 Resp: 23317
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.0 36.0#



#39
Methylcyclohexane
Concen: 2.003 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

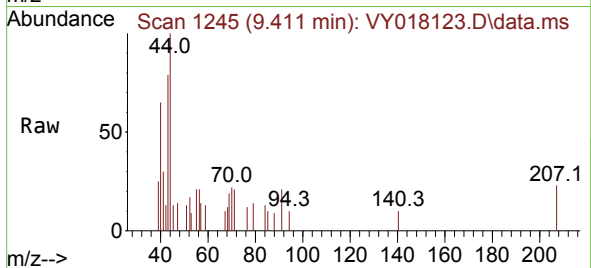
Tgt Ion: 83 Resp: 10026
Ion Ratio Lower Upper
83 100
55 78.8 51.5 77.3#
98 39.3 40.5 60.7#



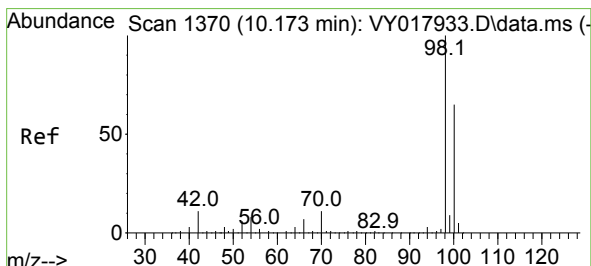
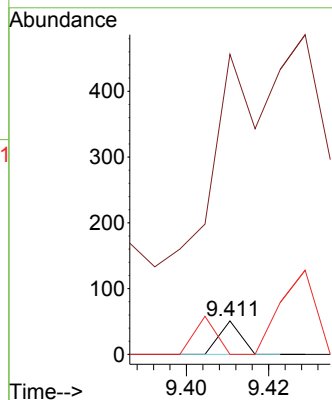
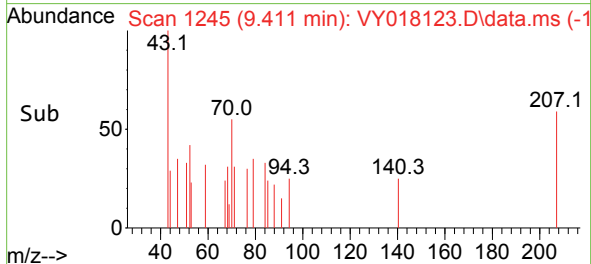


#49
1,4-Dioxane
Concen: 1.179 ug/l
RT: 9.411 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :

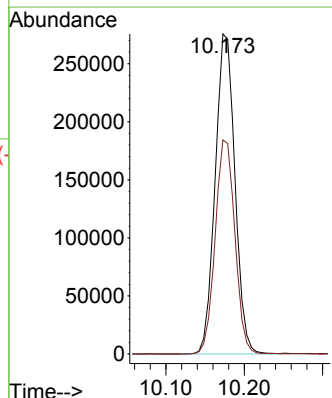
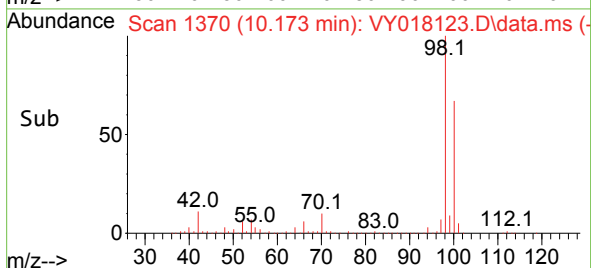
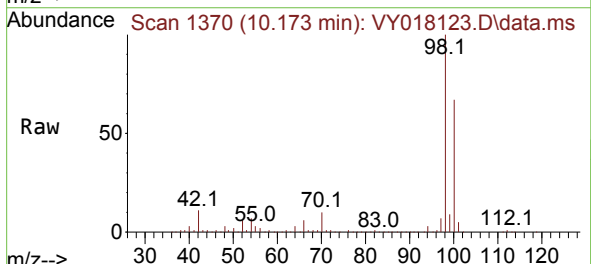


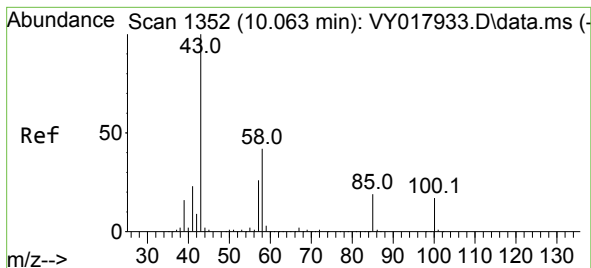
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 110.5 49.3 73.9#



#50
Toluene-d8
Concen: 48.493 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

Tgt Ion: 98 Resp: 483406
Ion Ratio Lower Upper
98 100
100 66.9 52.0 78.0

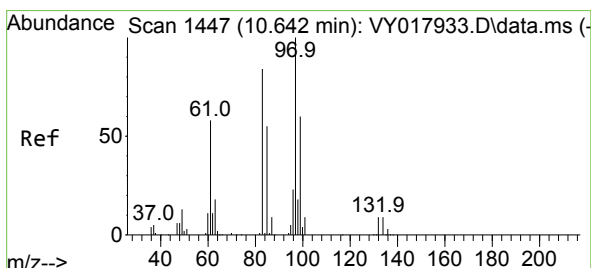
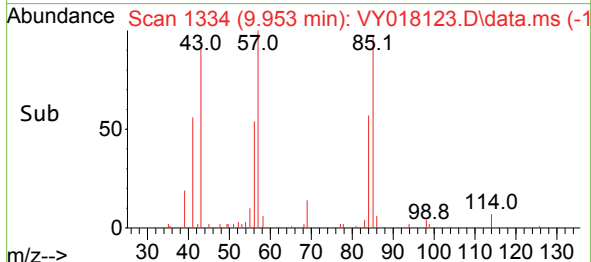
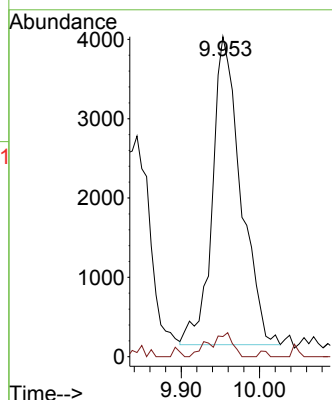
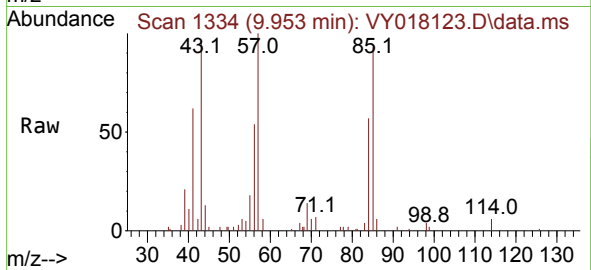




#51
4-Methyl-2-Pentanone
Concen: 6.463 ug/l
RT: 9.953 min Scan# 11
Delta R.T. -0.116 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

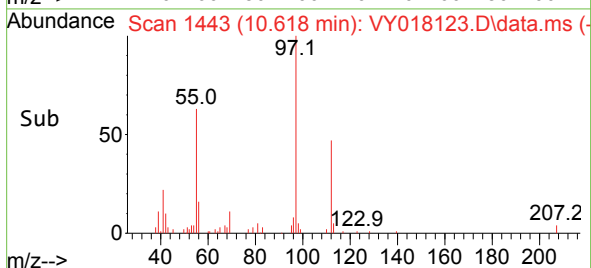
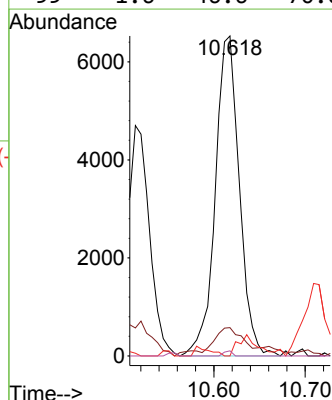
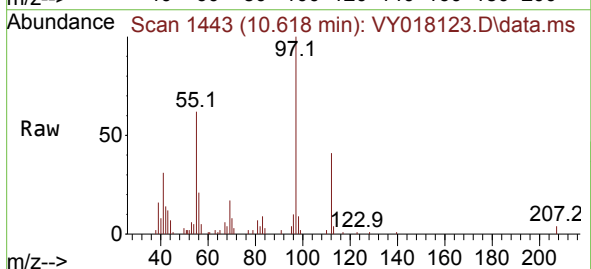
Instrument :
MSVOA_Y
ClientSampleId :

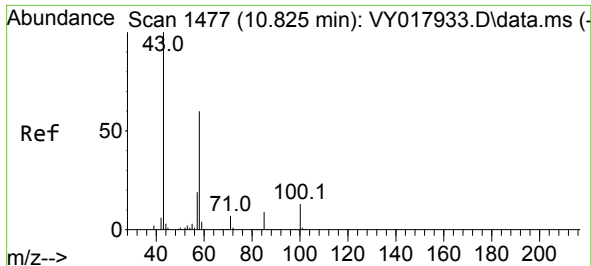
Tgt Ion: 43 Resp: 9837
Ion Ratio Lower Upper
43 100
58 6.3 35.7 53.5#



#55
1,1,2-Trichloroethane
Concen: 6.119 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

Tgt Ion: 97 Resp: 11958
Ion Ratio Lower Upper
97 100
83 7.8 67.5 101.3#
85 0.0 42.9 64.3#
99 1.6 46.6 70.0#

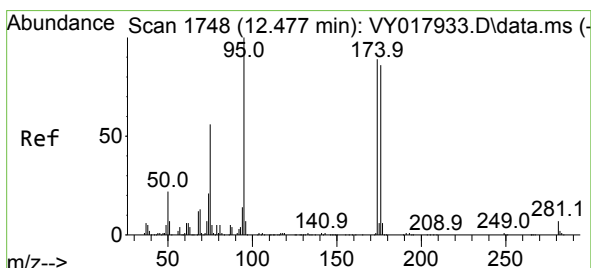
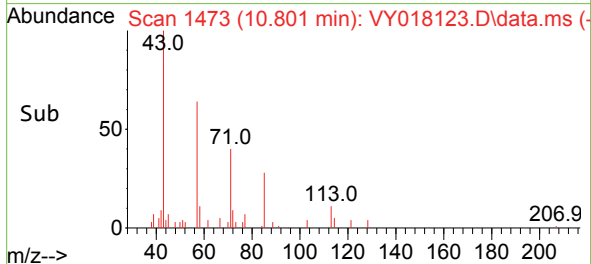
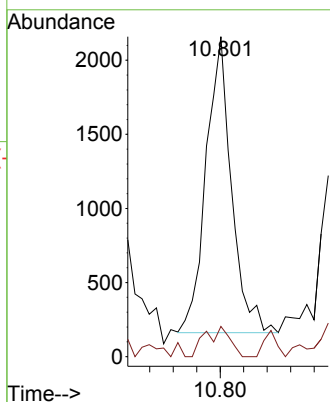
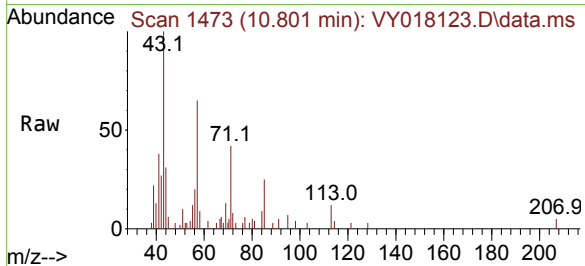




#59
2-Hexanone
Concen: 2.773 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

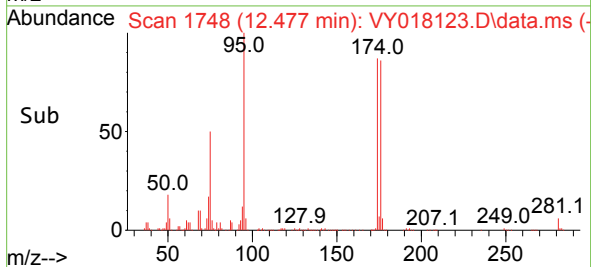
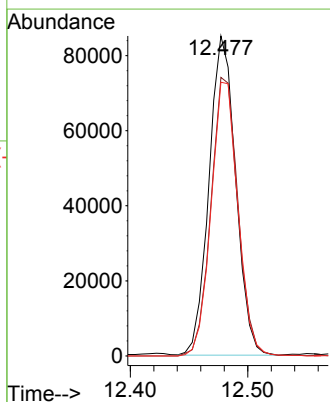
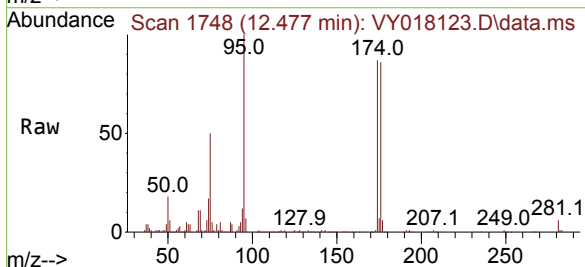
Instrument :
MSVOA_Y
ClientSampleId :

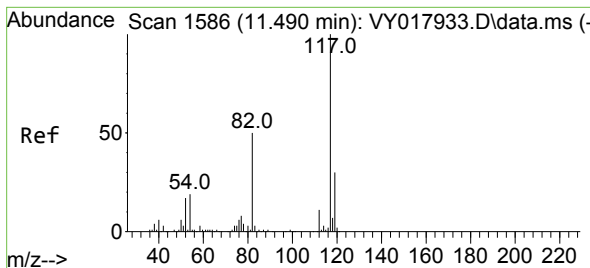
Tgt Ion: 43 Resp: 3012
Ion Ratio Lower Upper
43 100
58 4.8 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 38.975 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

Tgt Ion: 95 Resp: 133707
Ion Ratio Lower Upper
95 100
174 88.5 0.0 175.6
176 86.7 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: VY018123.D

Acq: 02 May 2024 17:41

Instrument :

MSVOA_Y

ClientSampleId :

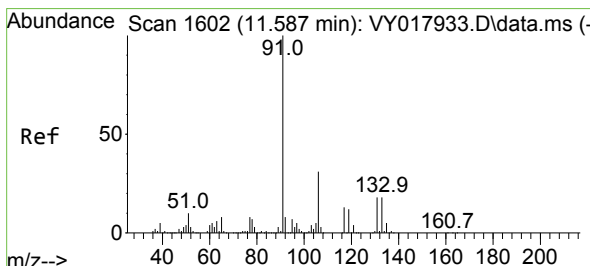
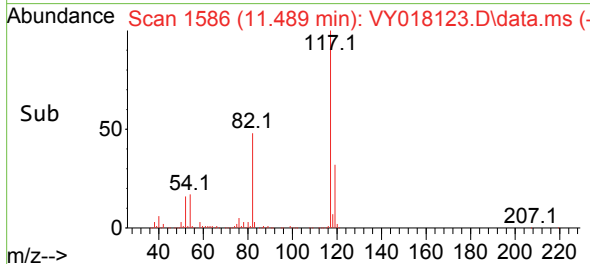
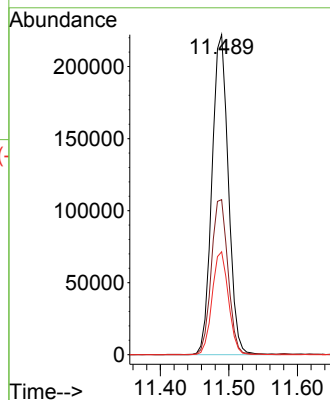
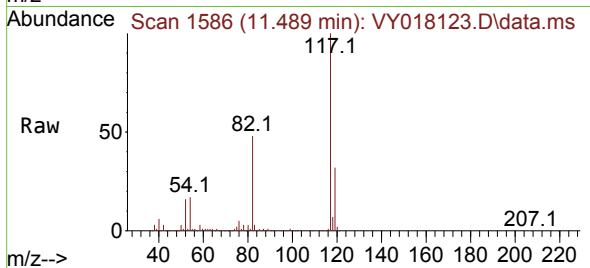
Tgt Ion:117 Resp: 368519

Ion Ratio Lower Upper

117 100

82 48.4 42.4 63.6

119 32.2 25.9 38.9



#67

Ethyl Benzene

Concen: 13.866 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY018123.D

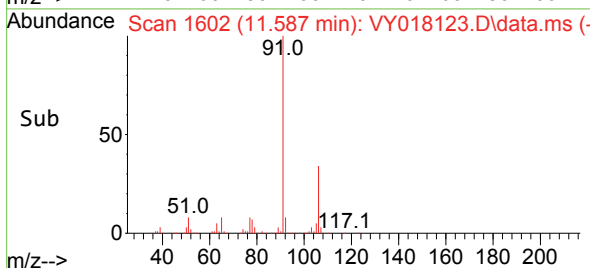
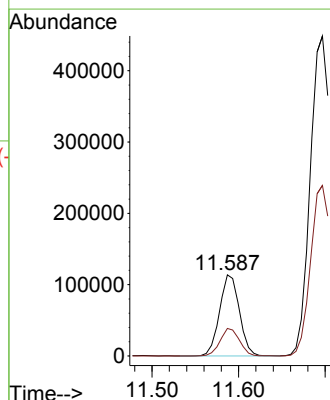
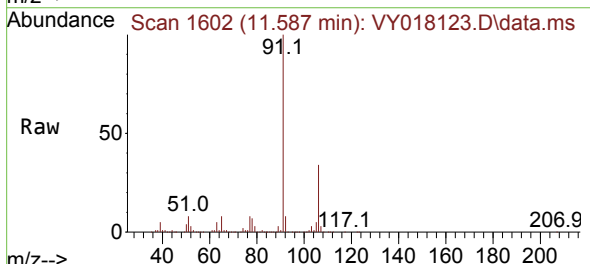
Acq: 02 May 2024 17:41

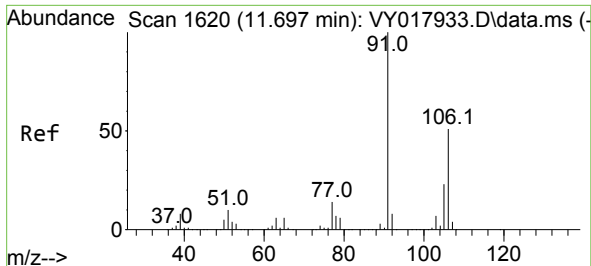
Tgt Ion: 91 Resp: 180874

Ion Ratio Lower Upper

91 100

106 33.8 24.5 36.7

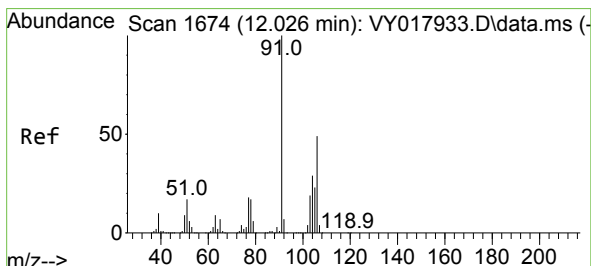
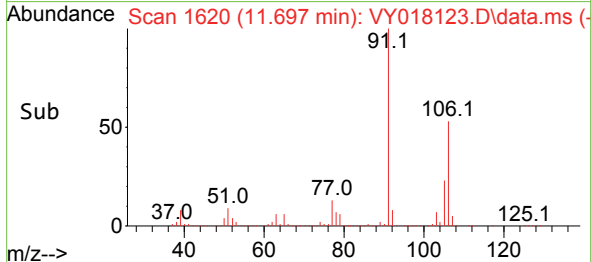
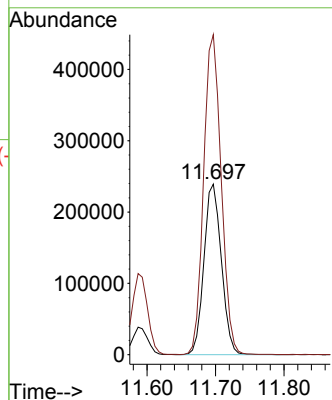
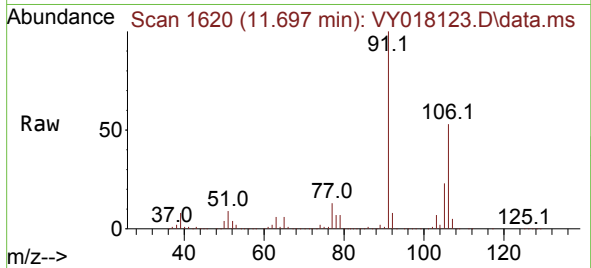




#68
m/p-Xylenes
Concen: 81.133 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

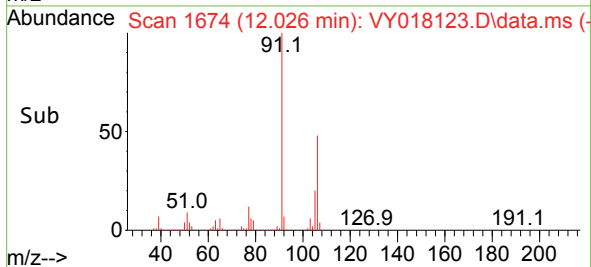
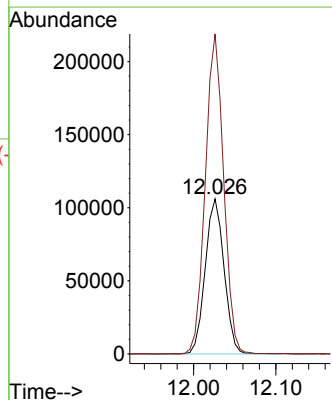
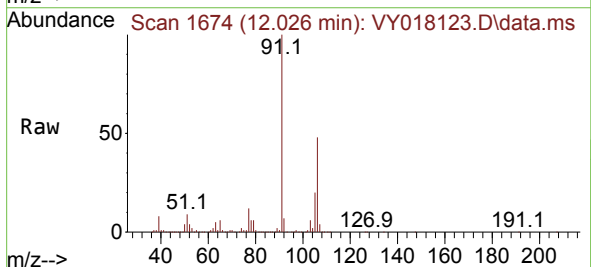
Instrument :
MSVOA_Y
ClientSampleId :

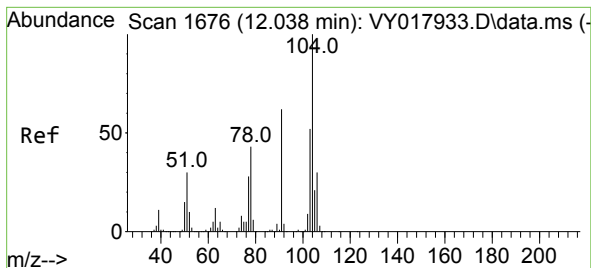
Tgt Ion:106 Resp: 424054
Ion Ratio Lower Upper
106 100
91 188.6 156.0 234.0



#69
o-Xylene
Concen: 33.601 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

Tgt Ion:106 Resp: 168713
Ion Ratio Lower Upper
106 100
91 200.7 103.6 310.8





#70

Styrene

Concen: 1.077 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.018 min

Lab File: VY018123.D

Acq: 02 May 2024 17:41

Instrument :

MSVOA_Y

ClientSampleId :

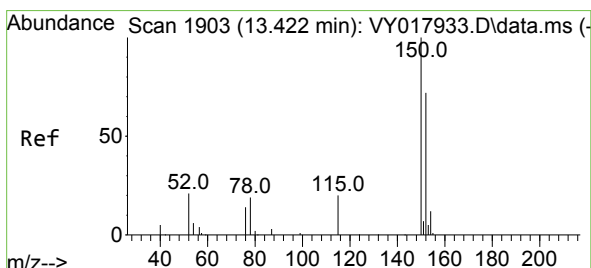
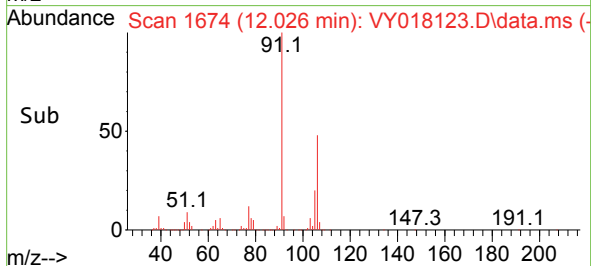
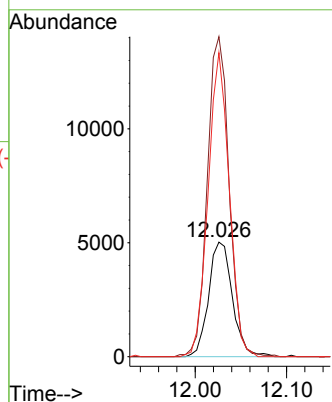
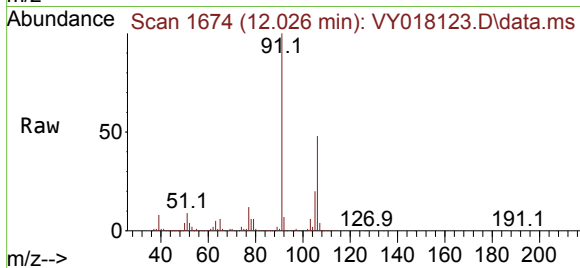
Tgt Ion:104 Resp: 9101

Ion Ratio Lower Upper

104 100

78 255.5 37.0 55.4#

103 235.6 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY018123.D

Acq: 02 May 2024 17:41

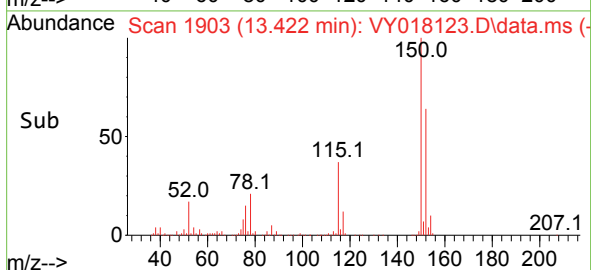
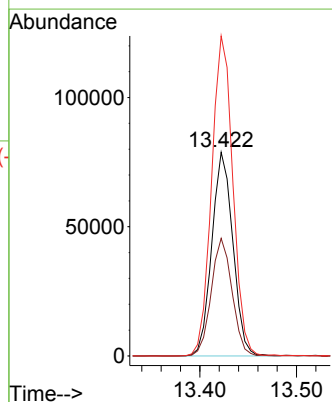
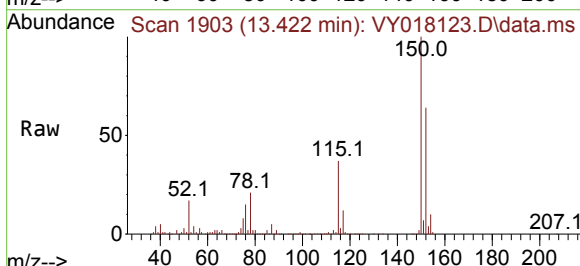
Tgt Ion:152 Resp: 119331

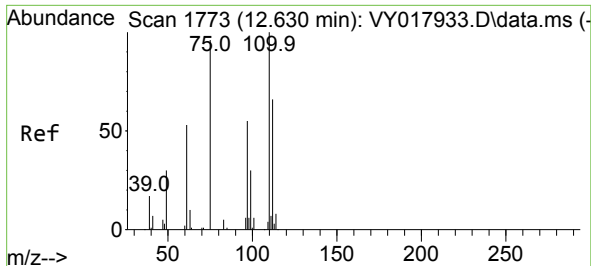
Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.7

150 158.1 0.0 345.6

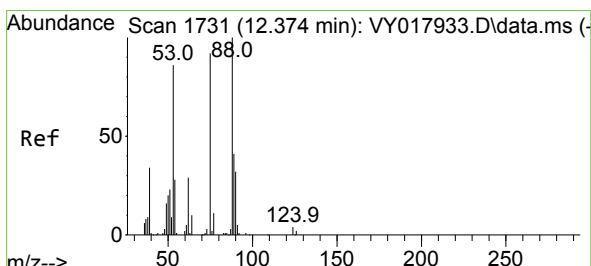
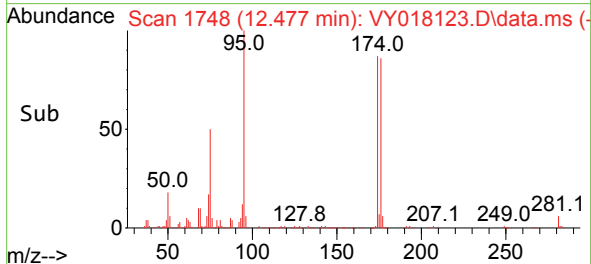
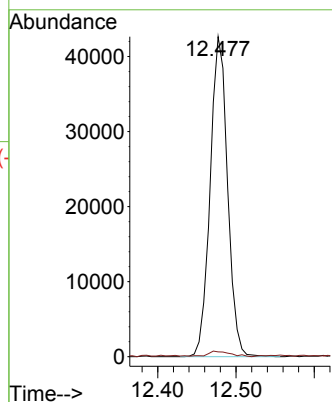
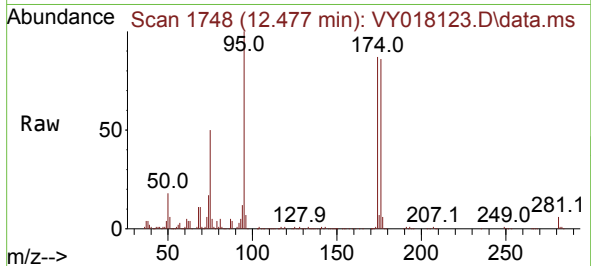




#76
1,2,3-Trichloropropane
Concen: 65.684 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 65782
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.662 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY018123.D
Acq: 02 May 2024 17:41

Tgt Ion: 75 Resp: 65782
Ion Ratio Lower Upper
75 100
53 0.7 66.8 100.2#
89 0.1 35.8 53.6#

