

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050124\
 Data File : VY018097.D
 Acq On : 01 May 2024 14:20
 Operator : SY/MD
 Sample : VY0501SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 02 05:48:17 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	324102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	511135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	424142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	190520	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	129905	50.850	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.700%
35) Dibromofluoromethane	7.710	113	154071	52.453	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.900%
50) Toluene-d8	10.179	98	611229	53.303	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.600%
62) 4-Bromofluorobenzene	12.477	95	189582	48.040	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.080%

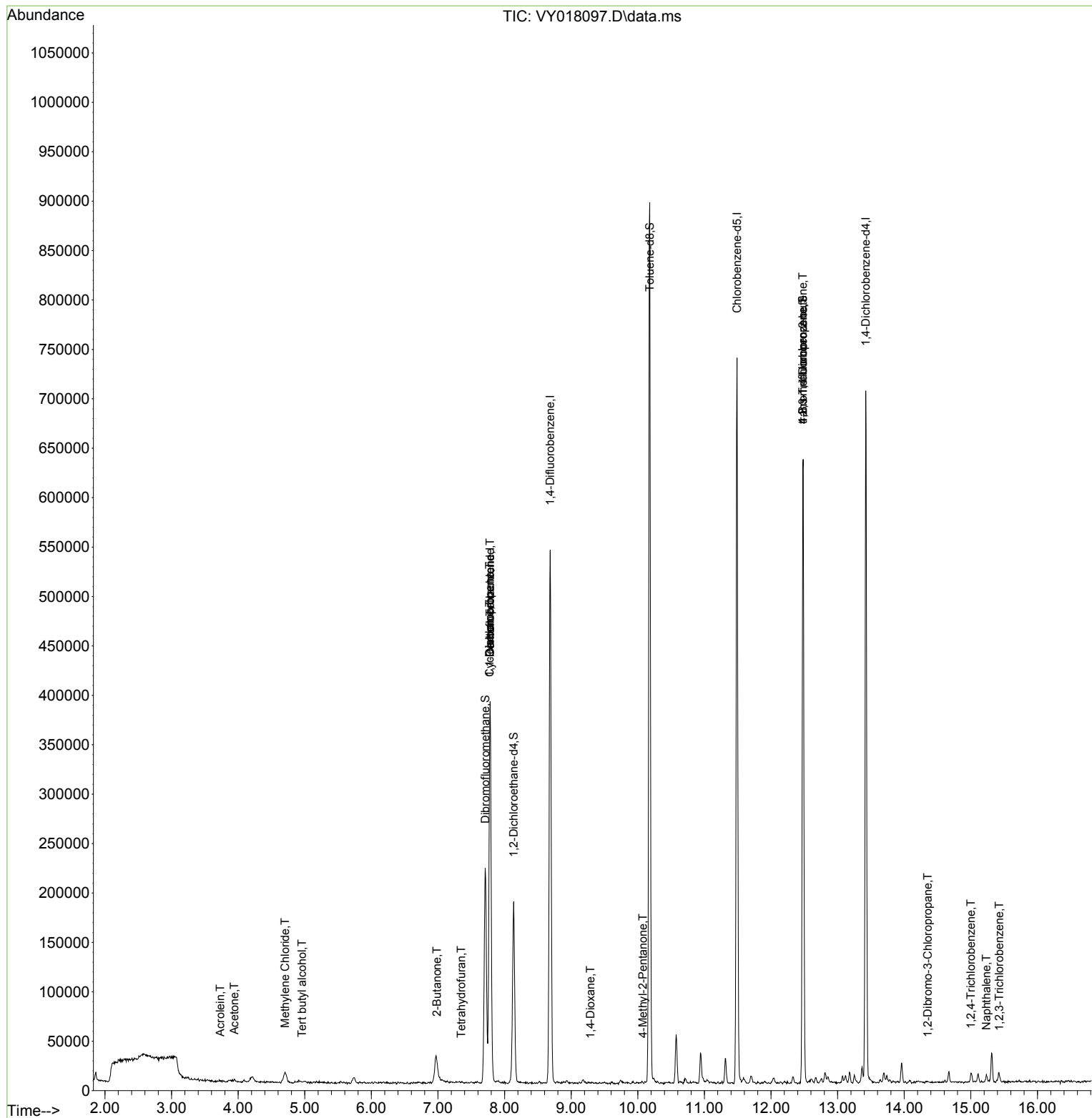
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	539	2.589	ug/l #	9
13) Acrolein	3.729	56	348	1.123	ug/l	94
16) Acetone	3.942	43	3561	7.317	ug/l	89
20) Methylene Chloride	4.704	84	9475	2.778	ug/l	93
25) 2-Butanone	6.984	43	967	1.277	ug/l #	71
29) Tetrahydrofuran	7.350	42	513	1.066	ug/l #	40
31) Cyclohexane	7.777	56	6955	1.421	ug/l #	5
36) 1,1-Dichloropropene	7.777	75	21198	5.406	ug/l #	50
38) Carbon Tetrachloride	7.783	117	28963	6.508	ug/l #	16
49) 1,4-Dioxane	9.289	88	22	1.186	ug/l #	1
51) 4-Methyl-2-Pentanone	10.075	43	1934	1.105	ug/l	93
76) 1,2,3-Trichloropropane	12.477	75	91891	57.470	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	91891	104.697	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.355	75	345	1.002	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.001	180	3229	1.017	ug/l	94
95) Naphthalene	15.233	128	7008	1.199	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	3036	1.146	ug/l	92

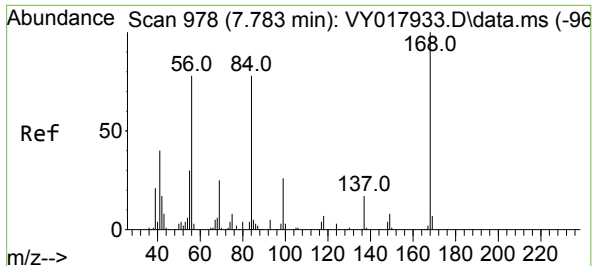
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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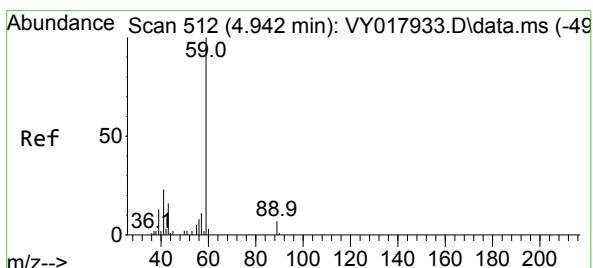
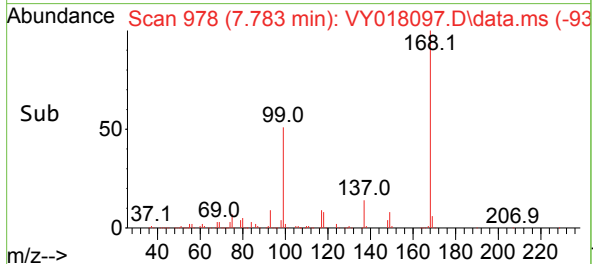
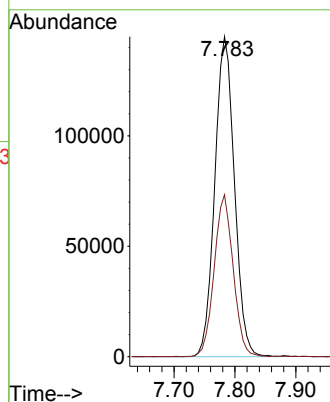
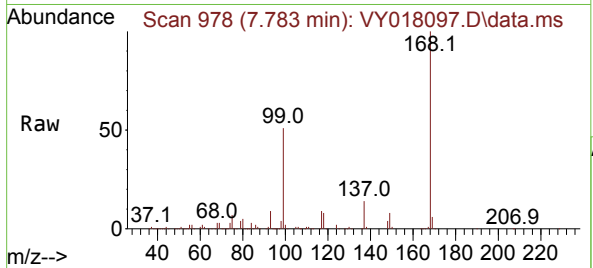




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

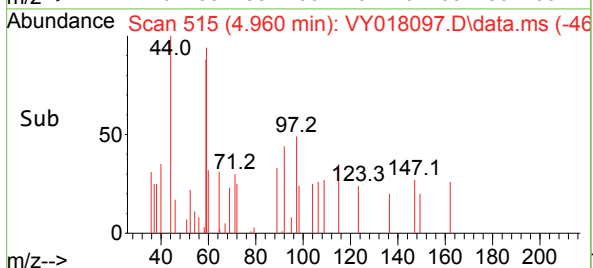
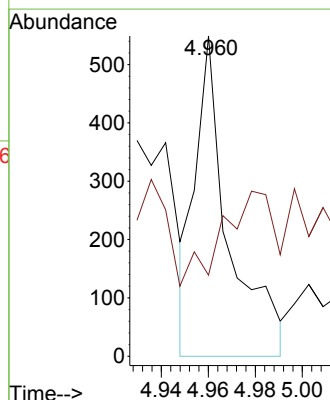
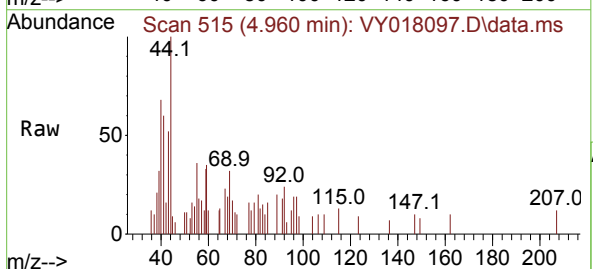
Instrument :
MSVOA_Y
ClientSampleId :

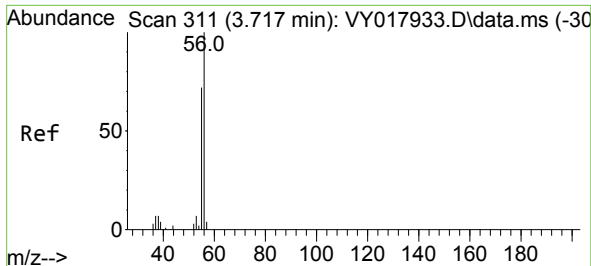
Tgt Ion:168 Resp: 324102
Ion Ratio Lower Upper
168 100
99 50.5 39.1 58.7



#11
Tert butyl alcohol
Concen: 2.589 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

Tgt Ion: 59 Resp: 539
Ion Ratio Lower Upper
59 100
57 33.8 3.0 4.6#





#13

Acrolein

Concen: 1.123 ug/l

RT: 3.729 min Scan# 311

Delta R.T. -0.000 min

Lab File: VY018097.D

Acq: 01 May 2024 14:20

Instrument :

MSVOA_Y

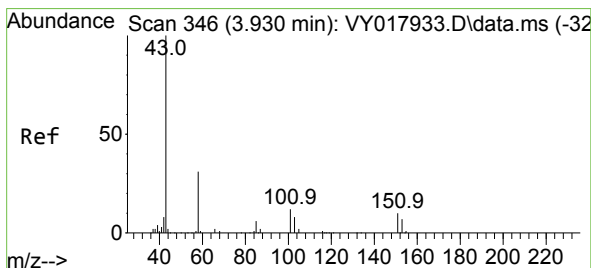
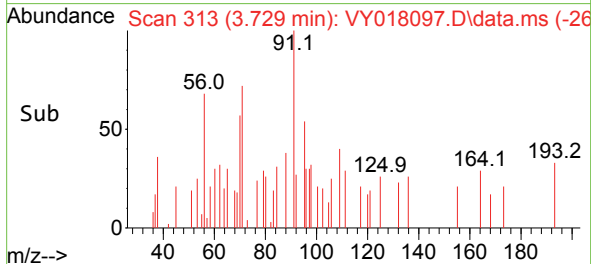
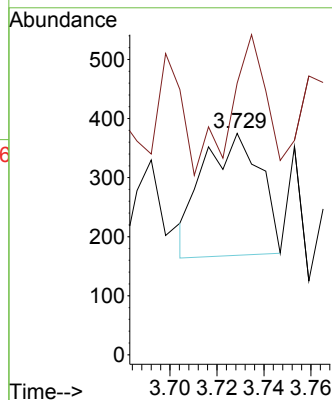
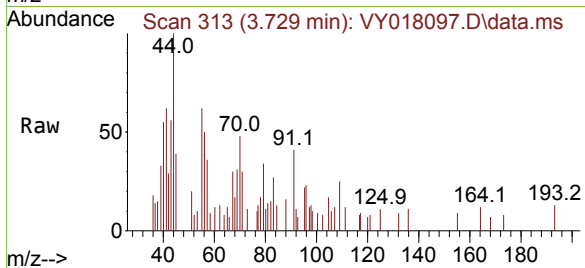
ClientSampleId :

Tgt Ion: 56 Resp: 348

Ion Ratio Lower Upper

56 100

55 74.1 55.7 83.5



#16

Acetone

Concen: 7.317 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY018097.D

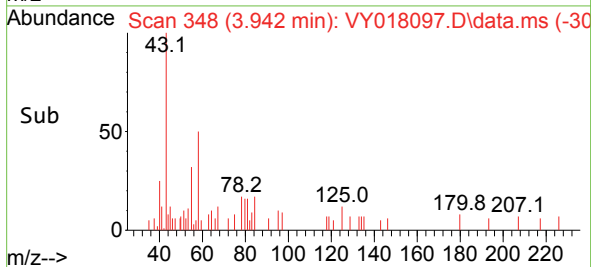
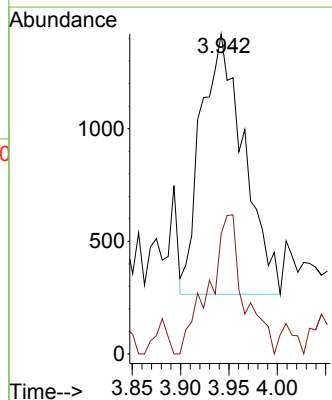
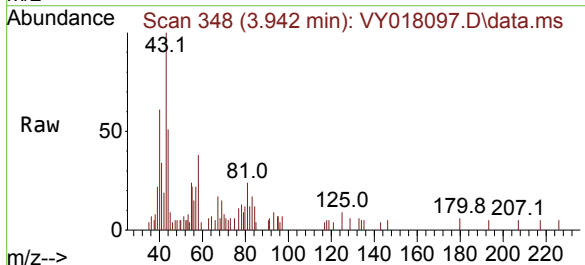
Acq: 01 May 2024 14:20

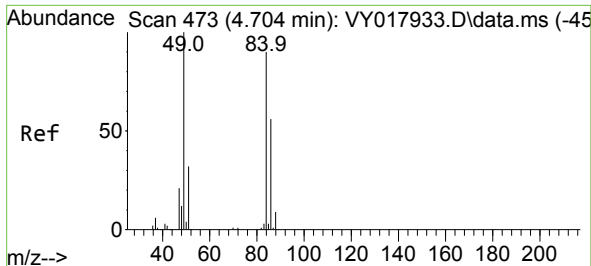
Tgt Ion: 43 Resp: 3561

Ion Ratio Lower Upper

43 100

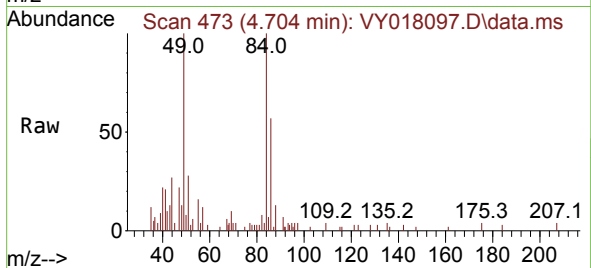
58 46.1 31.7 47.5



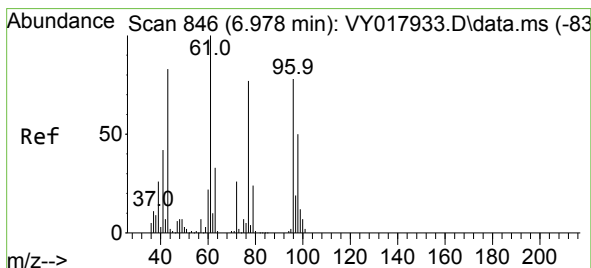
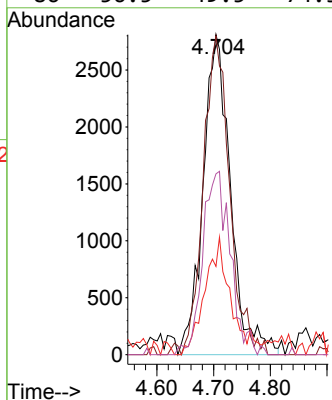
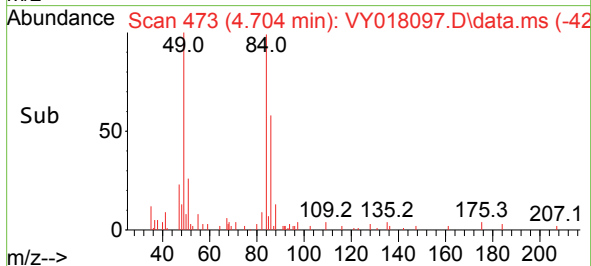


#20
Methylene Chloride
Concen: 2.778 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

Instrument :
MSVOA_Y
ClientSampleId :

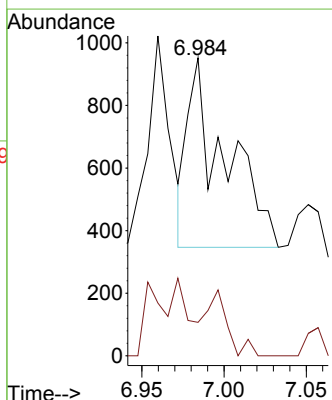
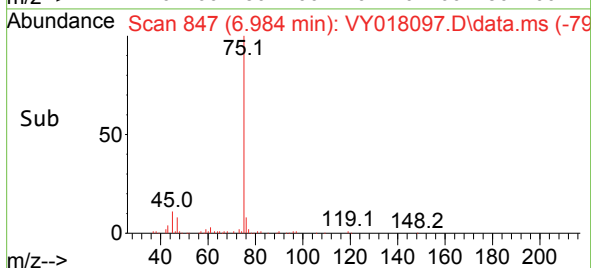
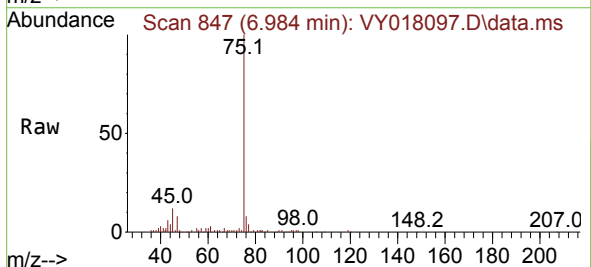


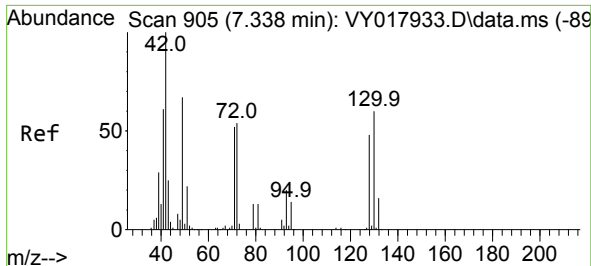
Tgt Ion:	84	Resp:	9475
Ion	Ratio	Lower	Upper
84	100		
49	99.6	84.4	126.6
51	27.6	26.0	39.0
86	56.5	49.5	74.3



#25
2-Butanone
Concen: 1.277 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

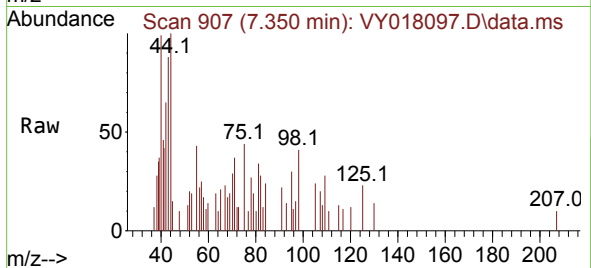
Tgt Ion:	43	Resp:	967
Ion	Ratio	Lower	Upper
43	100		
72	17.7	27.3	40.9#



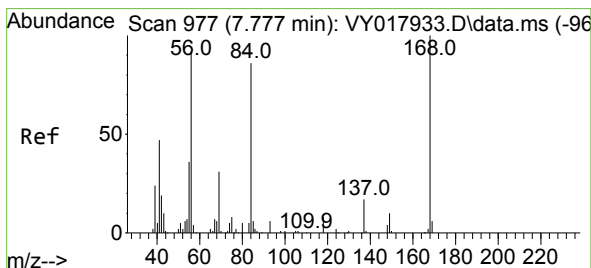
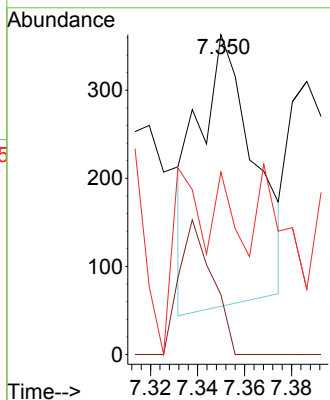
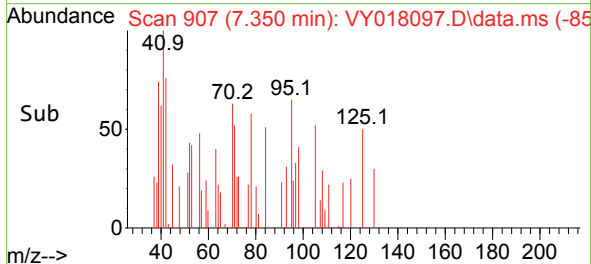


#29
Tetrahydrofuran
Concen: 1.066 ug/l
RT: 7.350 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

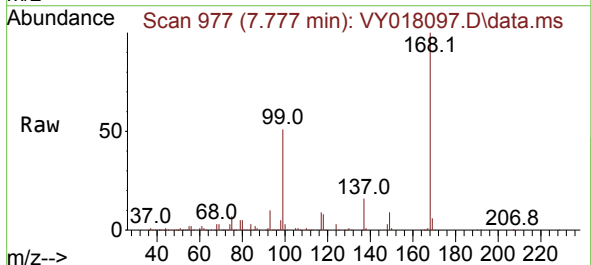
Instrument :
MSVOA_Y
ClientSampleId :



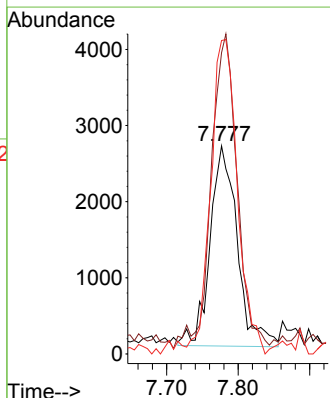
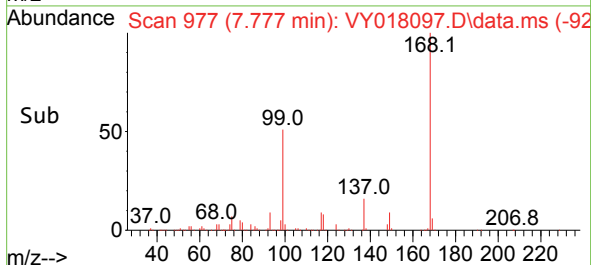
Tgt Ion: 42 Resp: 513
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 19.9 40.8 61.2#

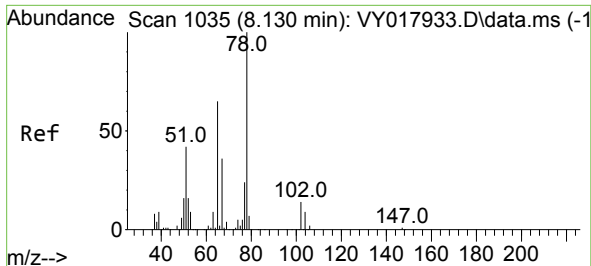


#31
Cyclohexane
Concen: 1.421 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20



Tgt Ion: 56 Resp: 6955
Ion Ratio Lower Upper
56 100
69 147.8 28.7 43.1#
84 155.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 50.850 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY018097.D

Acq: 01 May 2024 14:20

Instrument :

MSVOA_Y

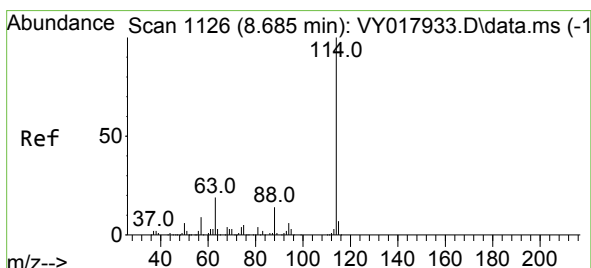
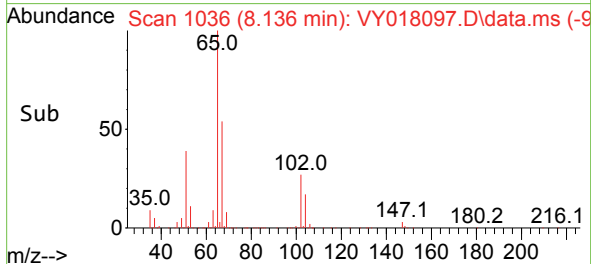
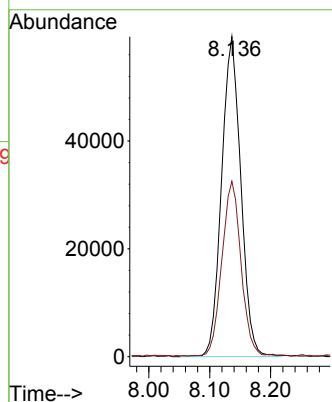
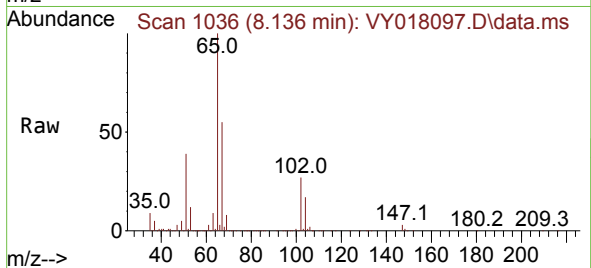
ClientSampleId :

Tgt Ion: 65 Resp: 129905

Ion Ratio Lower Upper

65 100

67 54.1 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: VY018097.D

Acq: 01 May 2024 14:20

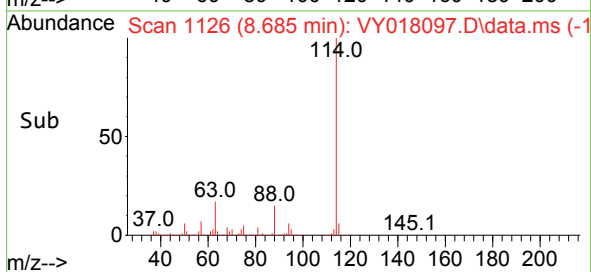
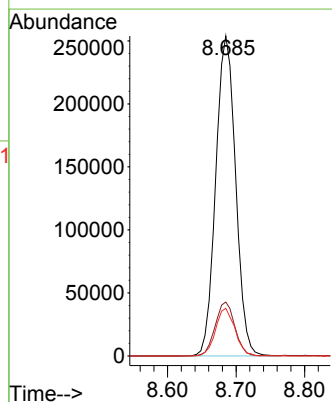
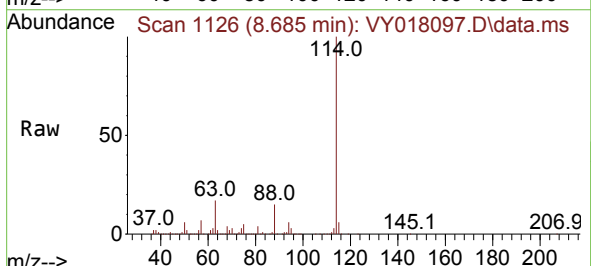
Tgt Ion:114 Resp: 511135

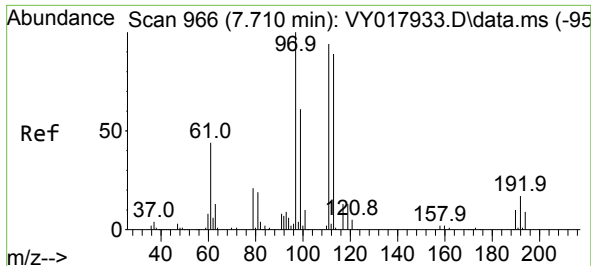
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 14.9 0.0 27.2

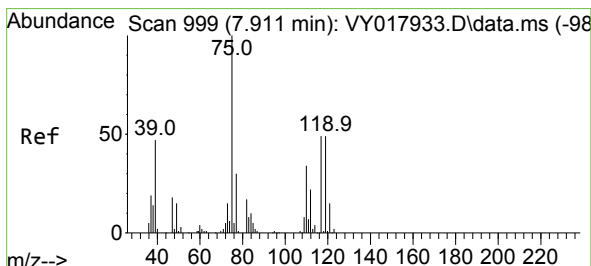
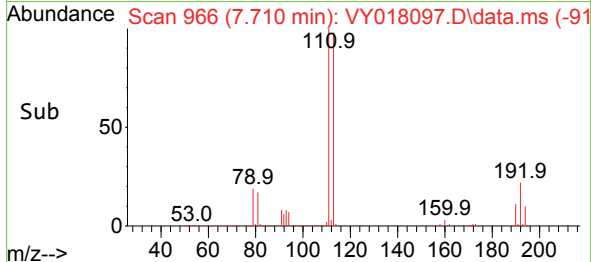
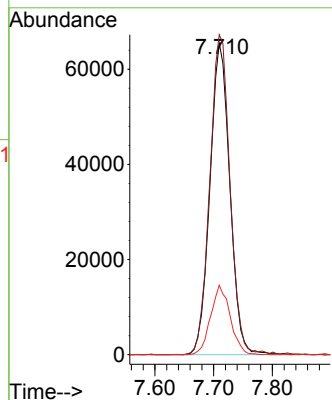
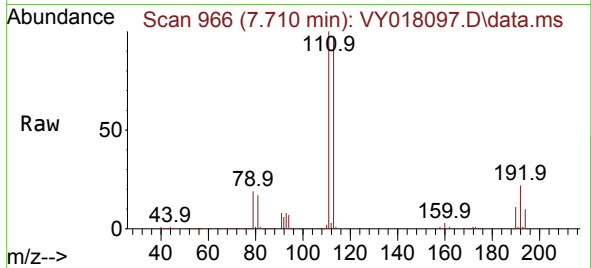




#35
Dibromofluoromethane
Concen: 52.453 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

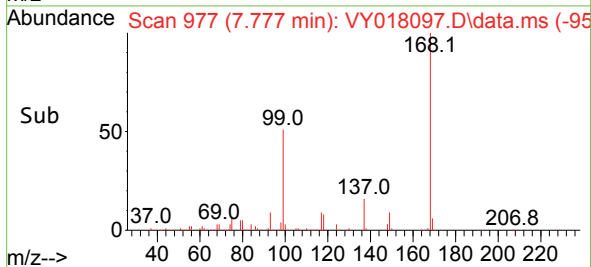
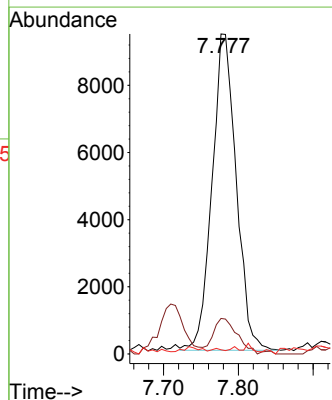
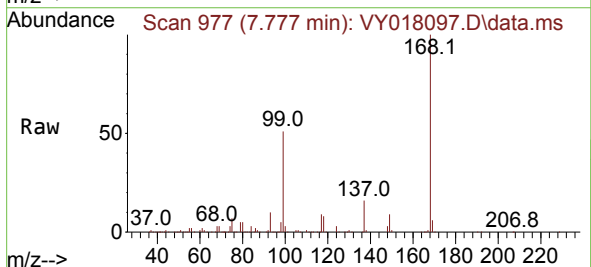
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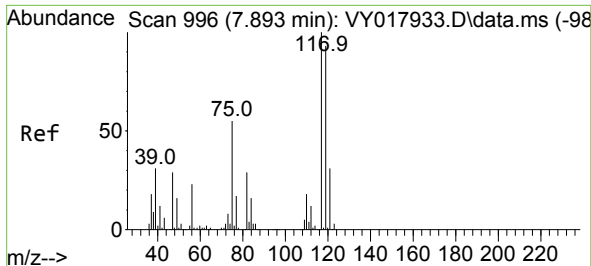
Tgt Ion:113 Resp: 154071
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.4
192 22.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.406 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

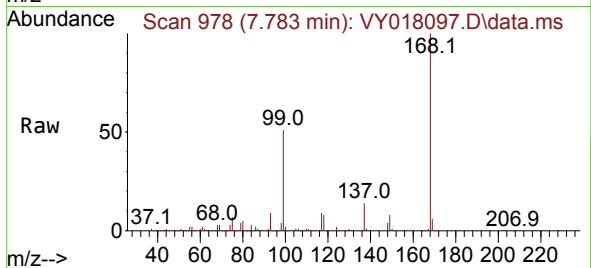
Tgt Ion: 75 Resp: 21198
Ion Ratio Lower Upper
75 100
110 11.2 19.0 57.0#
77 0.6 25.3 37.9#



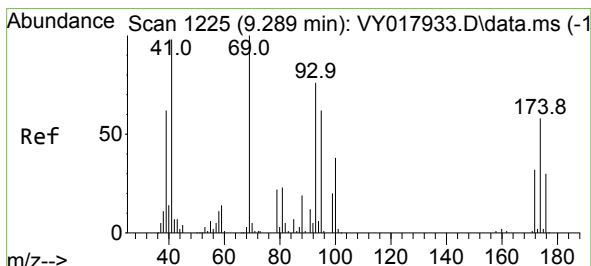
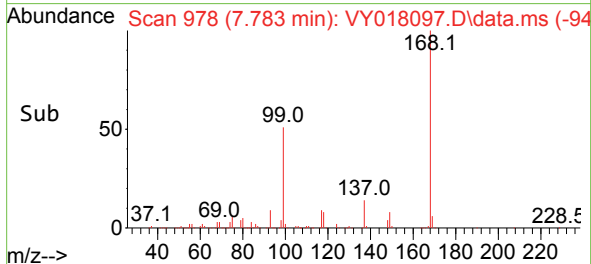
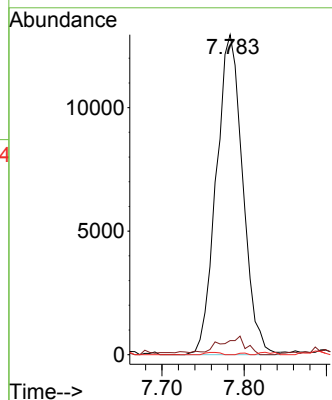


#38
Carbon Tetrachloride
Concen: 6.508 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

Instrument :
MSVOA_Y
ClientSampleId :

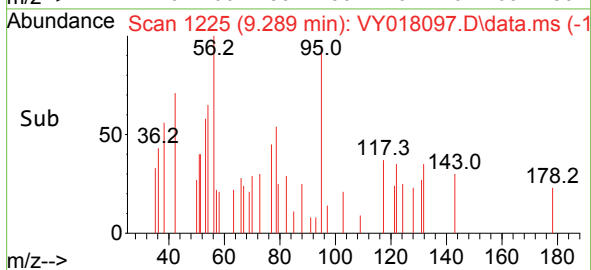
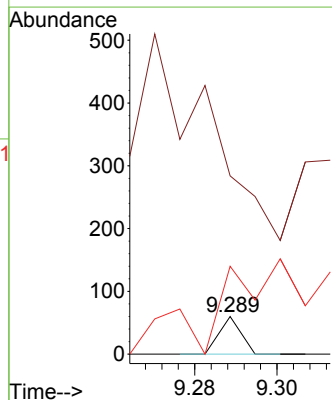
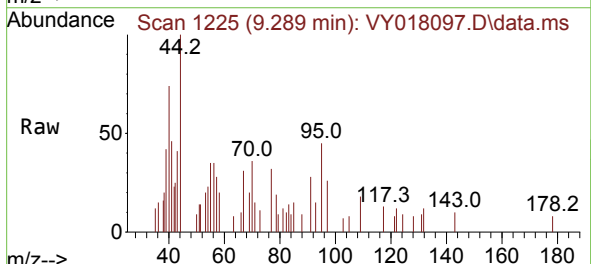


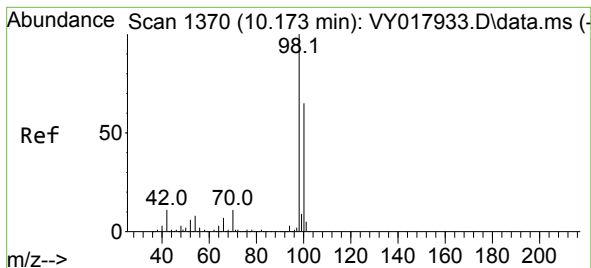
Tgt Ion:117 Resp: 28963
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 1.186 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.012 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 1190.9 49.3 73.9#





#50

Toluene-d8

Concen: 53.303 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018097.D

Acq: 01 May 2024 14:20

Instrument :

MSVOA_Y

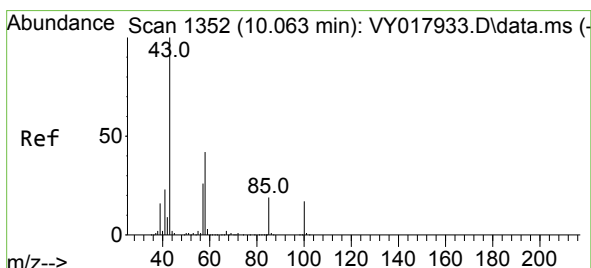
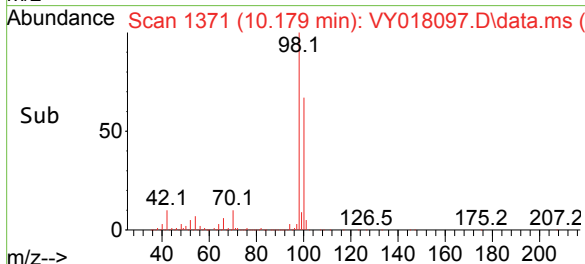
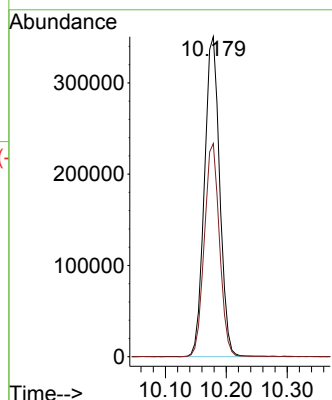
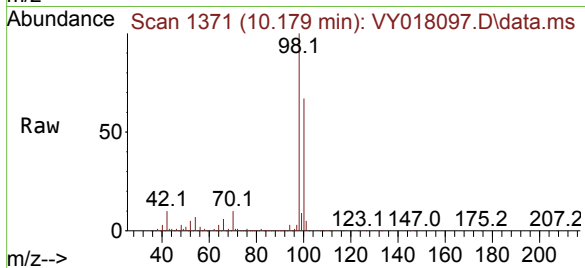
ClientSampleId :

Tgt Ion: 98 Resp: 611229

Ion Ratio Lower Upper

98 100

100 66.2 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.105 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY018097.D

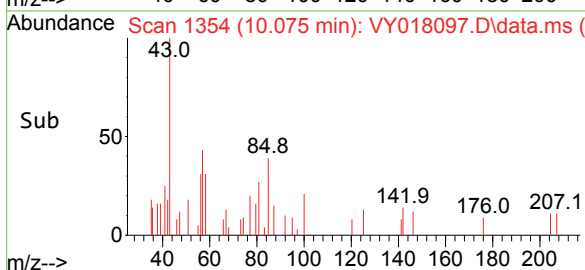
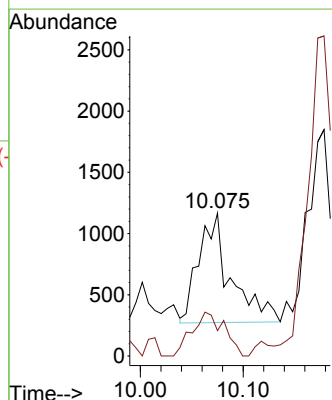
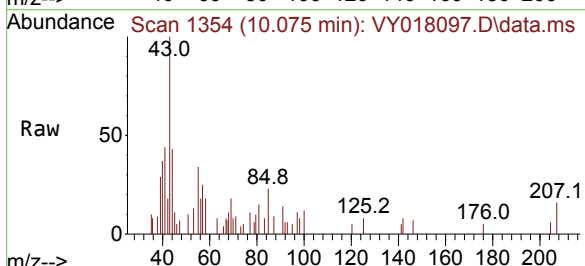
Acq: 01 May 2024 14:20

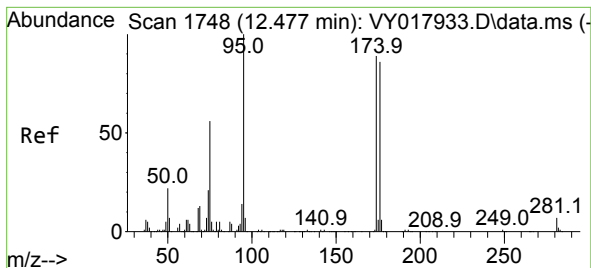
Tgt Ion: 43 Resp: 1934

Ion Ratio Lower Upper

43 100

58 40.3 35.7 53.5





#62

4-Bromofluorobenzene

Concen: 48.040 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY018097.D

Acq: 01 May 2024 14:20

Instrument :

MSVOA_Y

ClientSampleId :

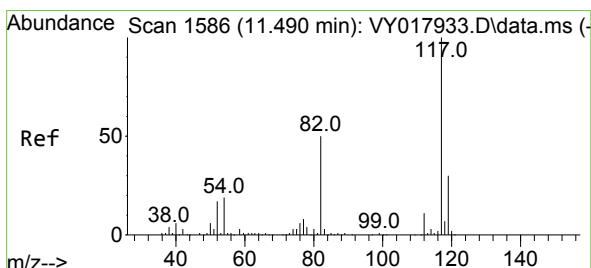
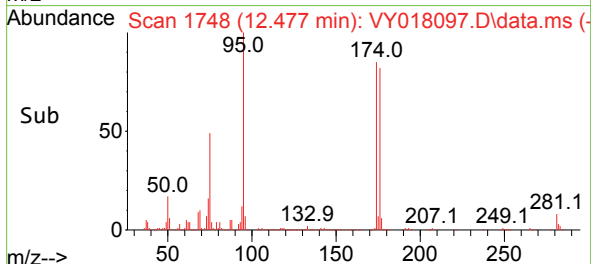
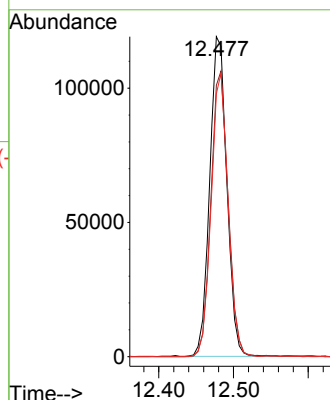
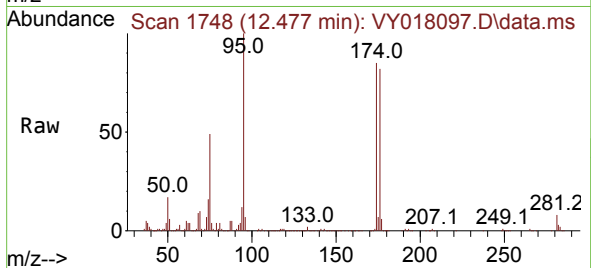
Tgt Ion: 95 Resp: 189582

Ion Ratio Lower Upper

95 100

174 89.7 0.0 175.6

176 87.4 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: VY018097.D

Acq: 01 May 2024 14:20

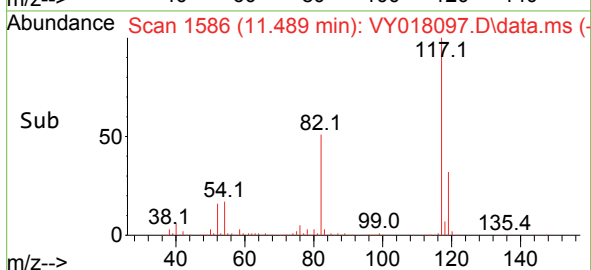
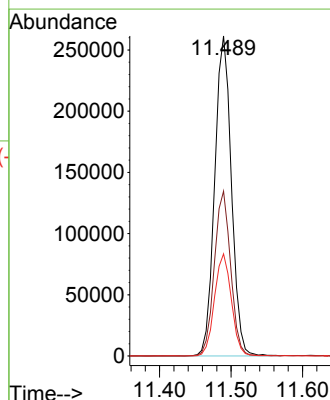
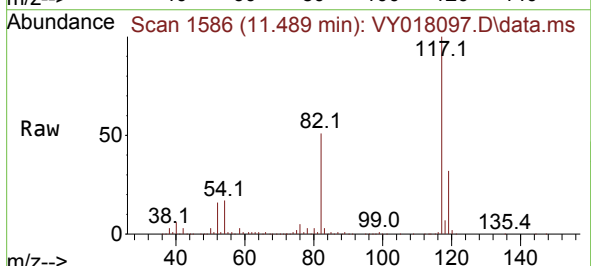
Tgt Ion: 117 Resp: 424142

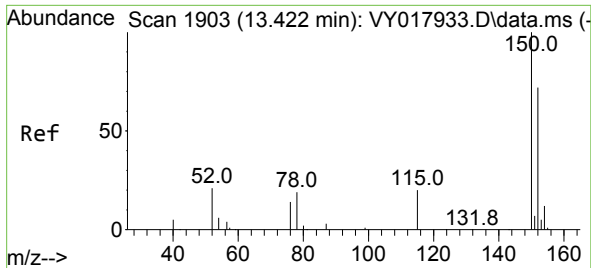
Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

119 31.9 25.9 38.9

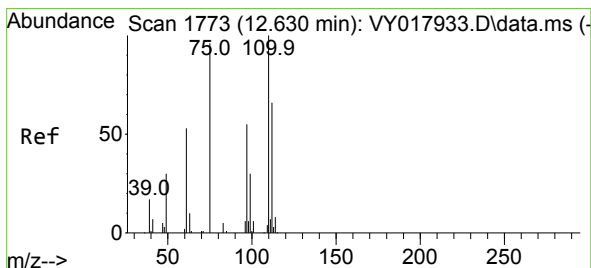
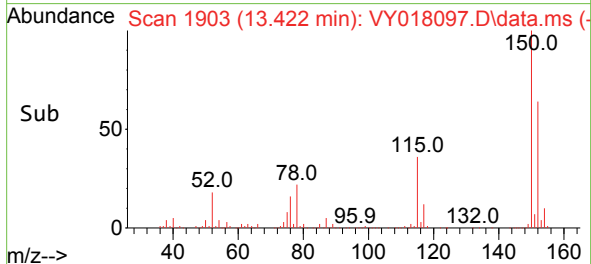
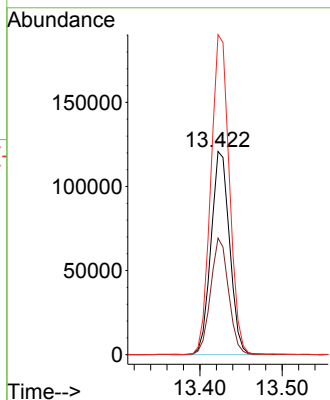
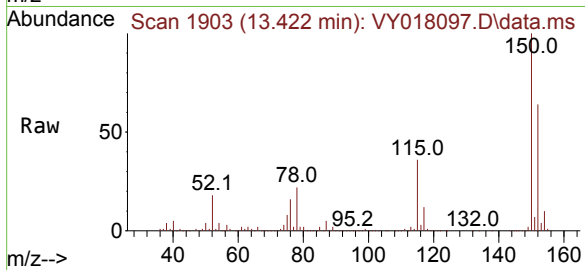




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.006 min
 Lab File: VY018097.D
 Acq: 01 May 2024 14:20

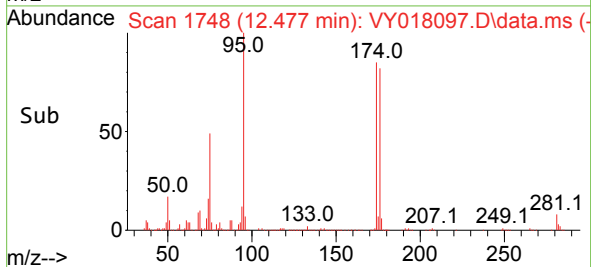
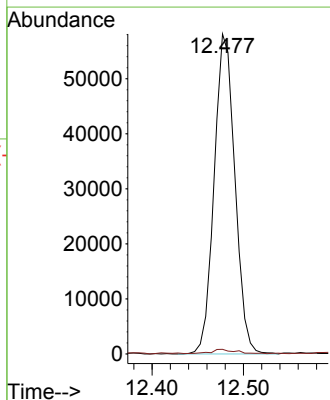
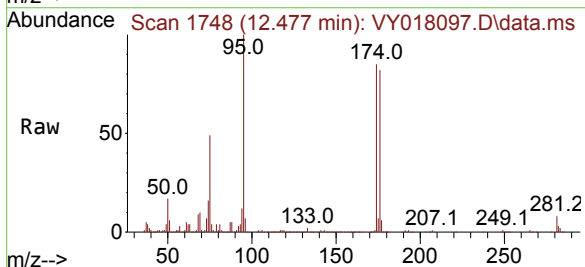
Instrument :
 MSVOA_Y
 ClientSampleId :

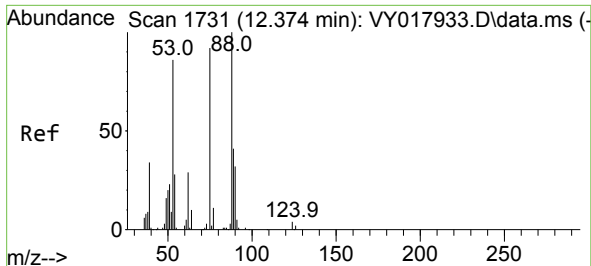
Tgt Ion:152 Resp: 190520
 Ion Ratio Lower Upper
 152 100
 115 55.1 28.2 84.7
 150 156.3 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 57.470 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY018097.D
 Acq: 01 May 2024 14:20

Tgt Ion: 75 Resp: 91891
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

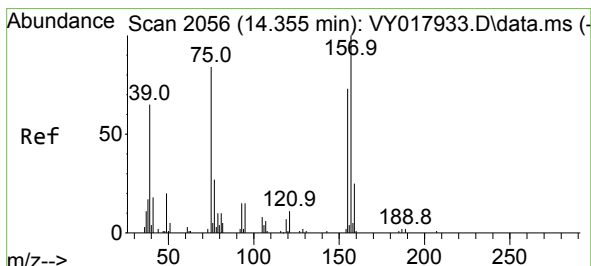
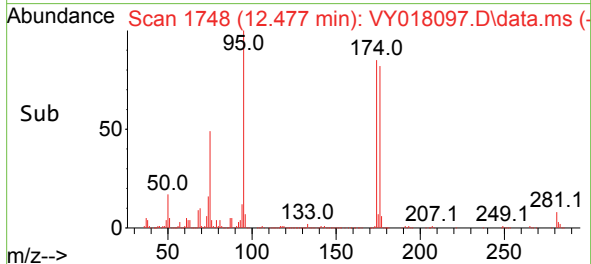
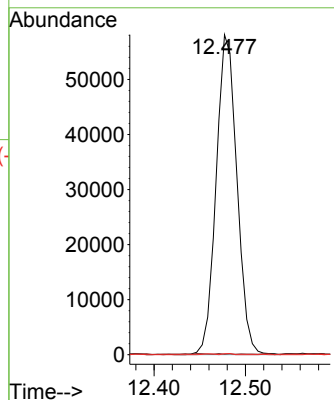
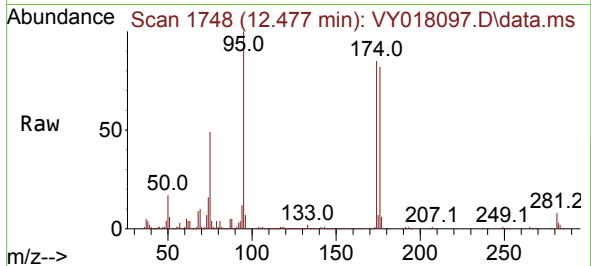




#81
trans-1,4-Dichloro-2-butene
Concen: 104.697 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

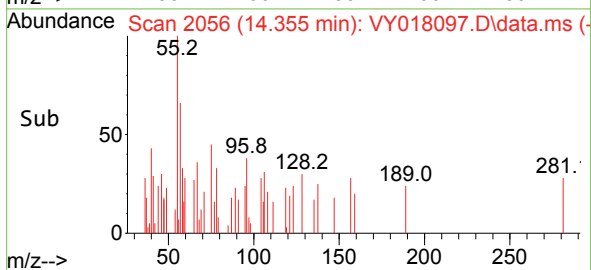
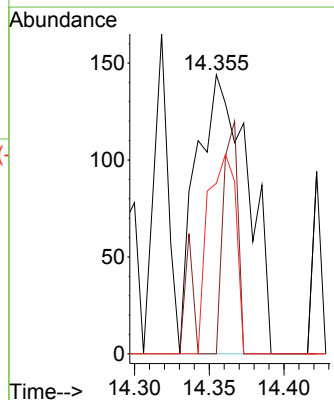
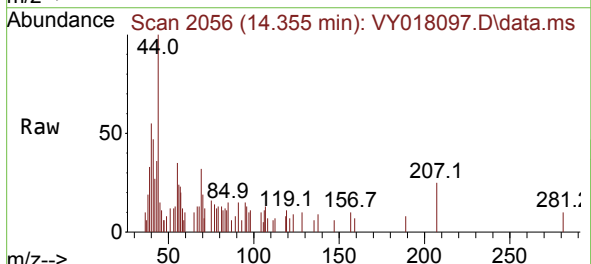
Instrument :
MSVOA_Y
ClientSampleId :

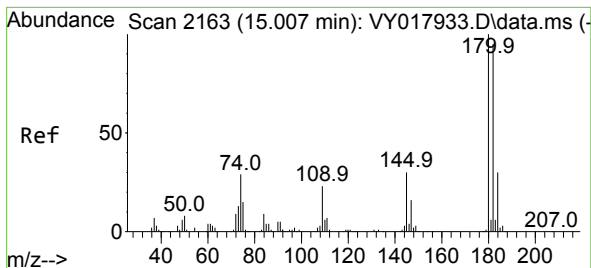
Tgt Ion: 75 Resp: 91891
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.2 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.002 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. 0.000 min
Lab File: VY018097.D
Acq: 01 May 2024 14:20

Tgt Ion: 75 Resp: 345
Ion Ratio Lower Upper
75 100
155 23.5 48.6 145.8#
157 38.6 62.7 188.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.017 ug/l

RT: 15.001 min Scan# 2163

Delta R.T. -0.006 min

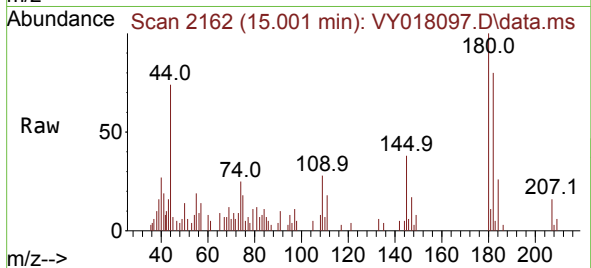
Lab File: VY018097.D

Acq: 01 May 2024 14:20

Instrument :

MSVOA_Y

ClientSampleId :



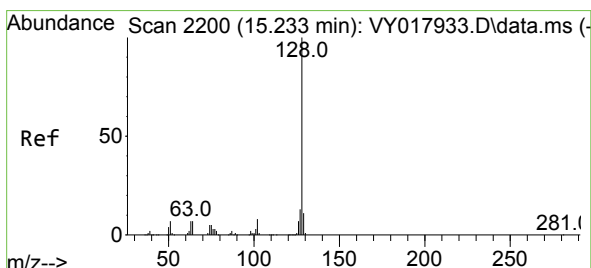
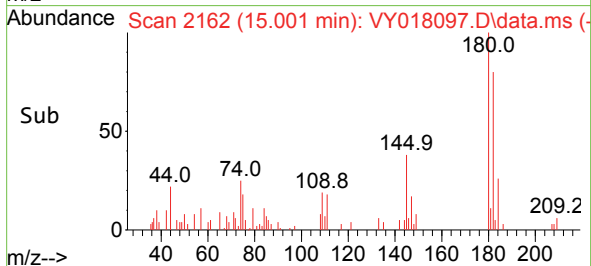
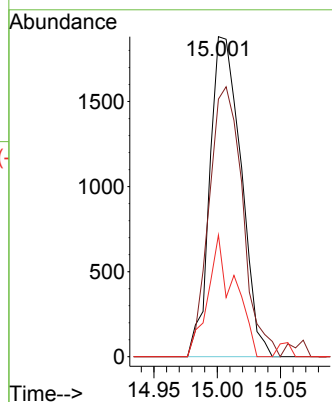
Tgt Ion:180 Resp: 3229

Ion Ratio Lower Upper

180 100

182 90.3 47.9 143.8

145 32.8 14.2 42.6



#95

Naphthalene

Concen: 1.199 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY018097.D

Acq: 01 May 2024 14:20

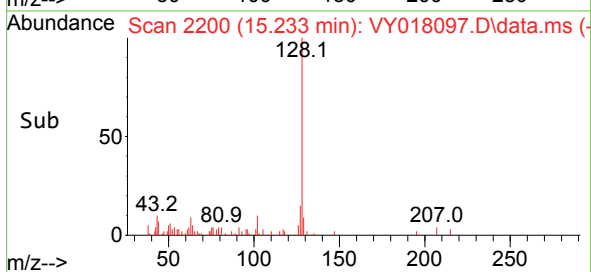
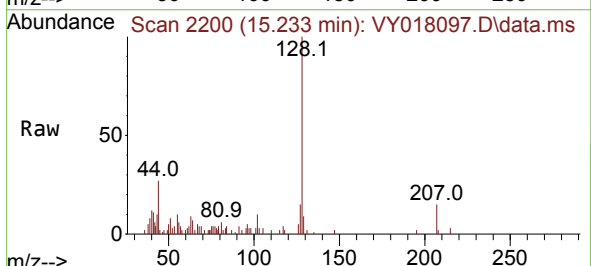
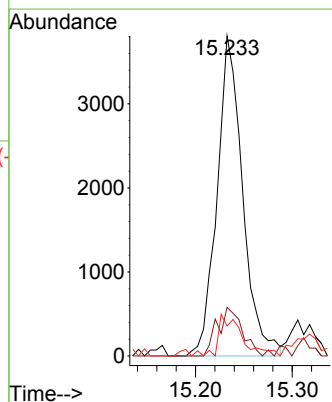
Tgt Ion:128 Resp: 7008

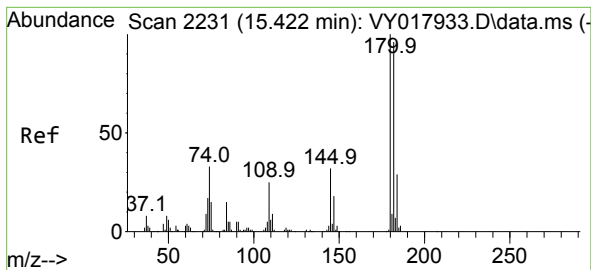
Ion Ratio Lower Upper

128 100

127 14.7 10.6 16.0

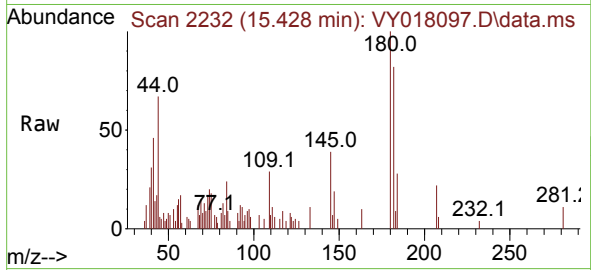
129 11.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.146 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY018097.D
 Acq: 01 May 2024 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	3036
Ion	Ratio	Lower	Upper
180	100		
182	89.3	47.6	142.9
145	38.7	15.4	46.1

