

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
 Data File : VY018159.D
 Acq On : 06 May 2024 13:23
 Operator : SY/MD
 Sample : P2362-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 23:46:37 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)

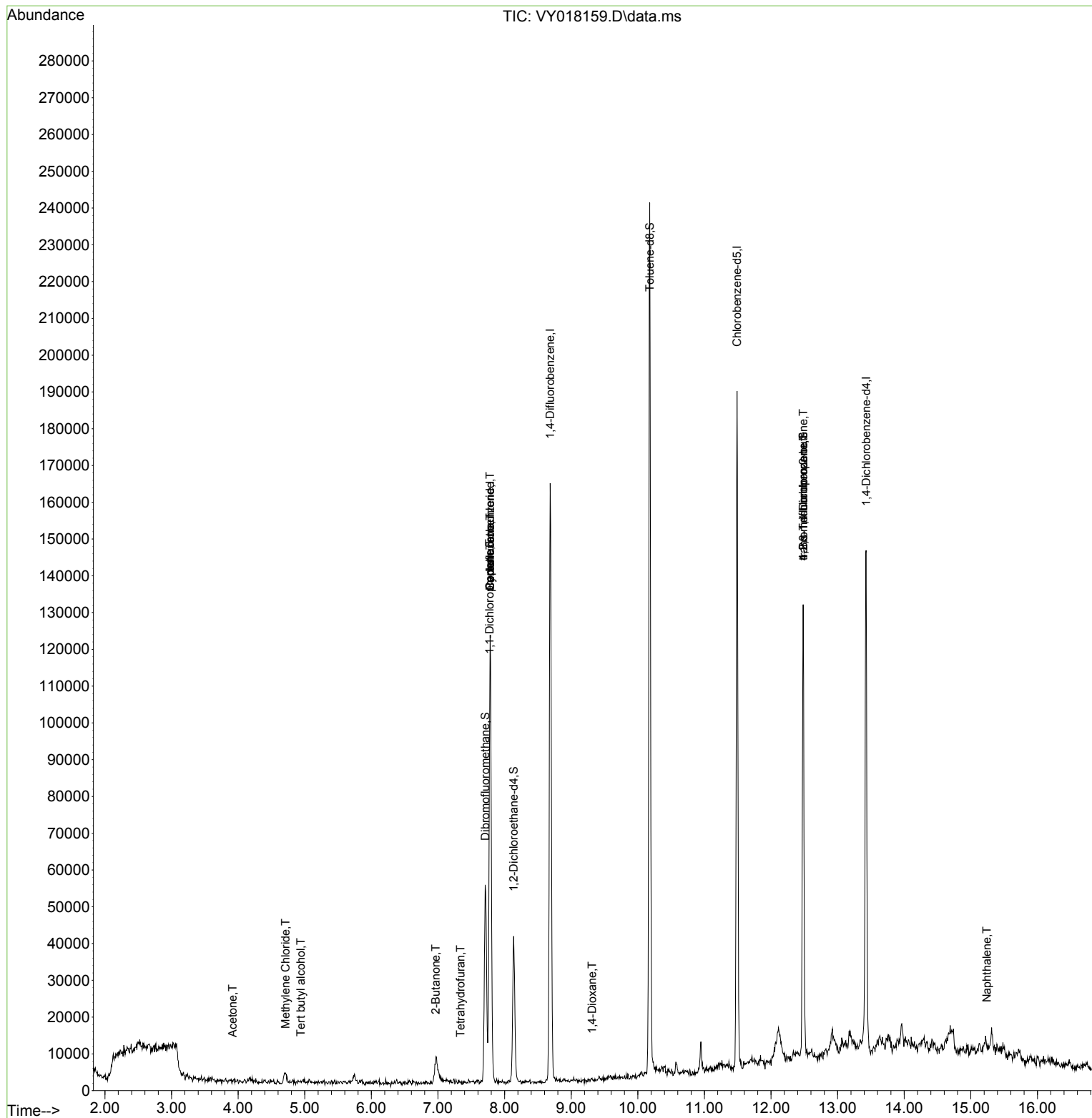
Internal Standards						
1) Pentafluorobenzene	7.783	168	98547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	155022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	108473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	36254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	27332	35.186	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	70.380%		
35) Dibromofluoromethane	7.710	113	38217	42.899	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.800%		
50) Toluene-d8	10.179	98	161194	46.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.700%		
62) 4-Bromofluorobenzene	12.483	95	39230	32.777	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	65.560%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.942	59	326	5.149	ug/l #	81
16) Acetone	3.918	43	699	4.724	ug/l #	36
20) Methylene Chloride	4.710	84	2170	2.093	ug/l #	79
25) 2-Butanone	6.966	43	948	4.118	ug/l #	41
29) Tetrahydrofuran	7.338	42	364	2.487	ug/l #	30
31) Cyclohexane	7.783	56	2198	1.477	ug/l #	49
36) 1,1-Dichloropropene	7.777	75	7312	6.149	ug/l #	49
38) Carbon Tetrachloride	7.783	117	9509	7.045	ug/l #	17
49) 1,4-Dioxane	9.313	88	23	4.090	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	18593	61.108	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	18593	111.325	ug/l #	16
95) Naphthalene	15.239	128	2178	1.959	ug/l #	87

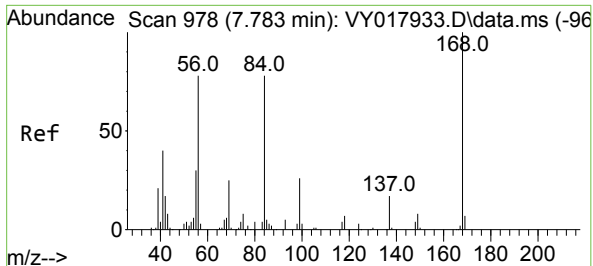
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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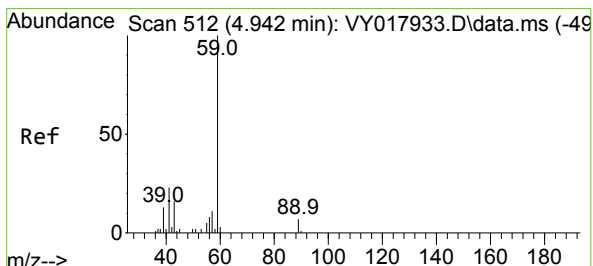
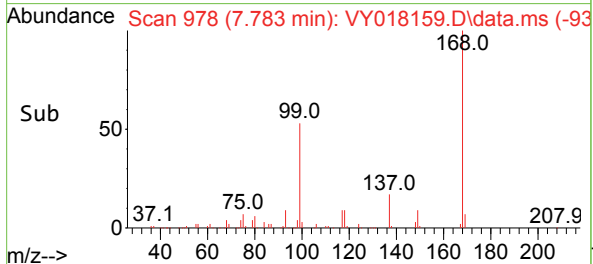
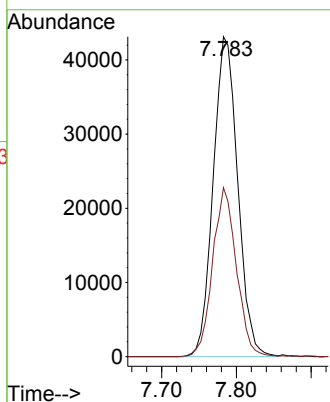
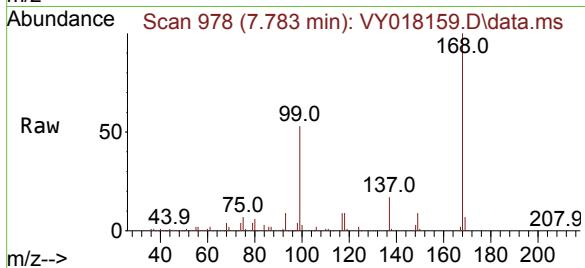




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018159.D
Acq: 06 May 2024 13:23

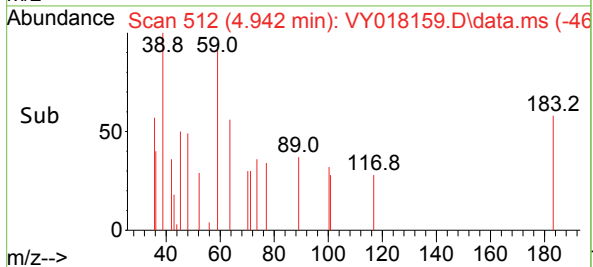
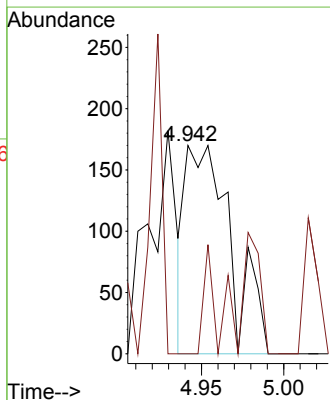
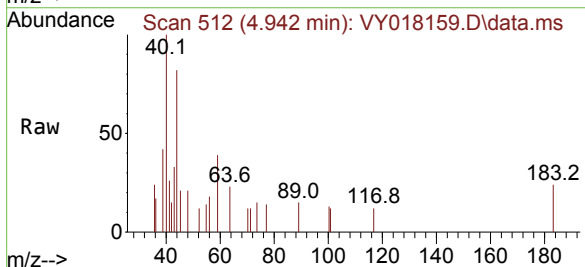
Instrument :
MSVOA_Y
ClientSampleId :

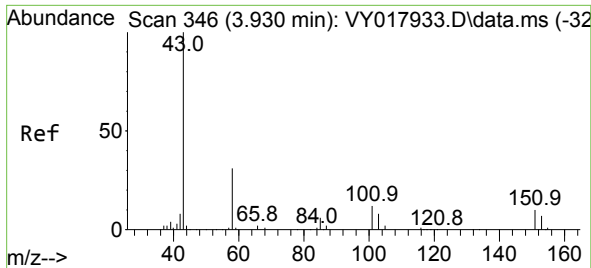
Tgt Ion:168 Resp: 98547
Ion Ratio Lower Upper
168 100
99 52.8 39.1 58.7



#11
Tert butyl alcohol
Concen: 5.149 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY018159.D
Acq: 06 May 2024 13:23

Tgt Ion: 59 Resp: 326
Ion Ratio Lower Upper
59 100
57 10.1 3.0 4.6#

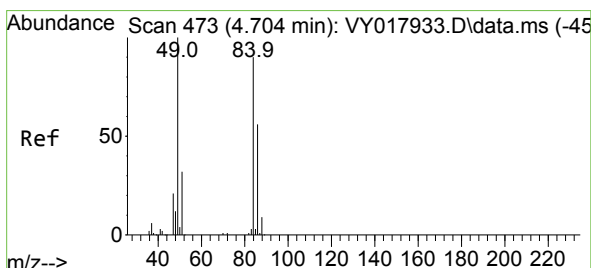
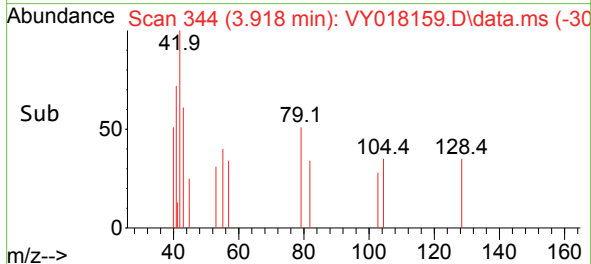
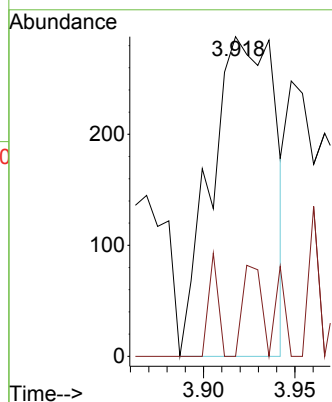
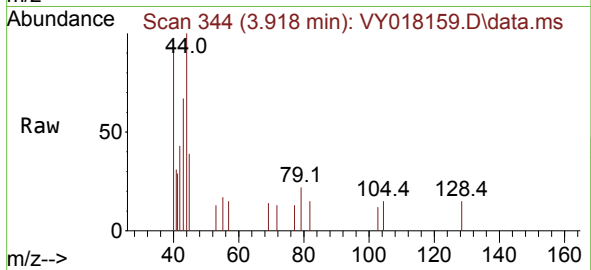




#16
Acetone
Concen: 4.724 ug/l
RT: 3.918 min Scan# 34
Delta R.T. -0.030 min
Lab File: VY018159.D
Acq: 06 May 2024 13:23

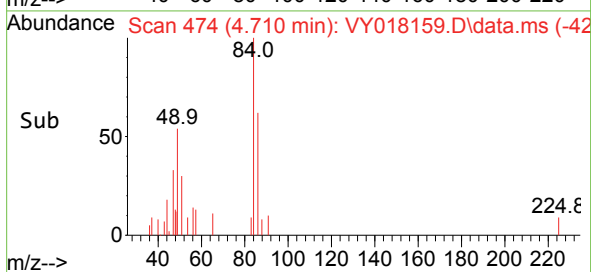
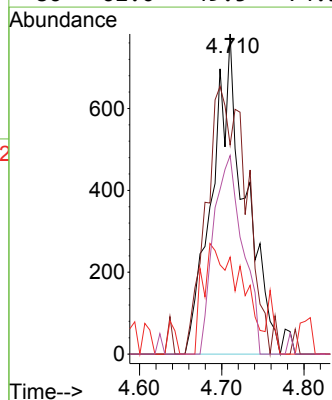
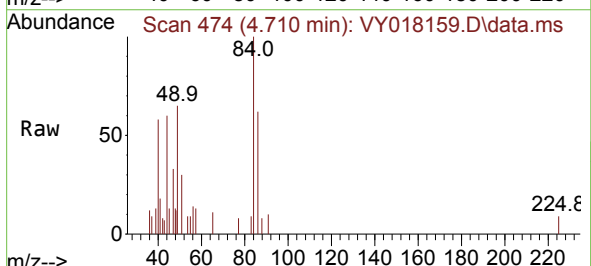
Instrument :
MSVOA_Y
ClientSampleId :

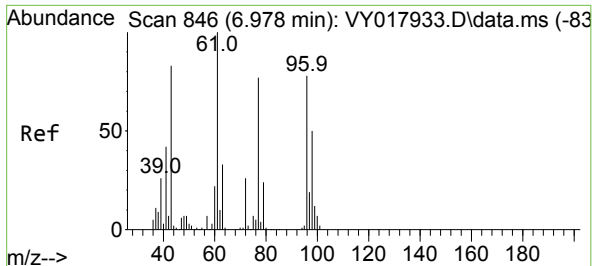
Tgt Ion: 43 Resp: 699
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#20
Methylene Chloride
Concen: 2.093 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY018159.D
Acq: 06 May 2024 13:23

Tgt Ion: 84 Resp: 2170
Ion Ratio Lower Upper
84 100
49 65.3 84.4 126.6#
51 30.3 26.0 39.0
86 62.0 49.5 74.3

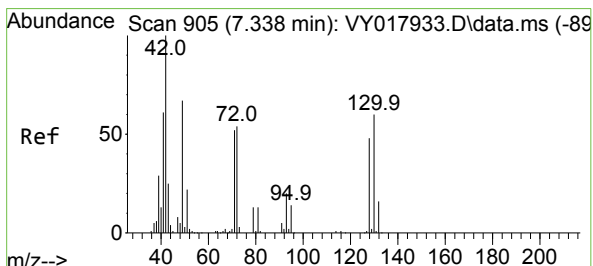
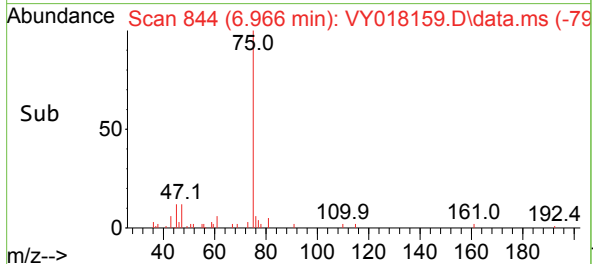
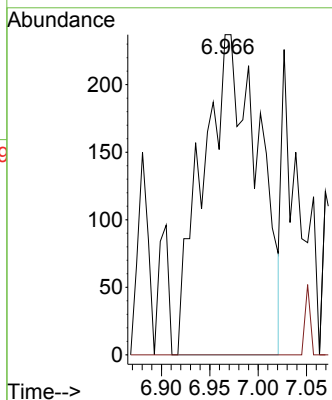
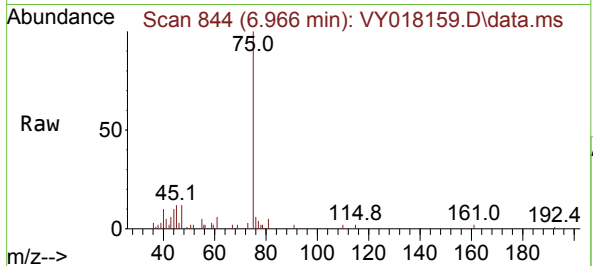




#25
2-Butanone
Concen: 4.118 ug/l
RT: 6.966 min Scan# 84
Delta R.T. -0.018 min
Lab File: VY018159.D
Acq: 06 May 2024 13:23

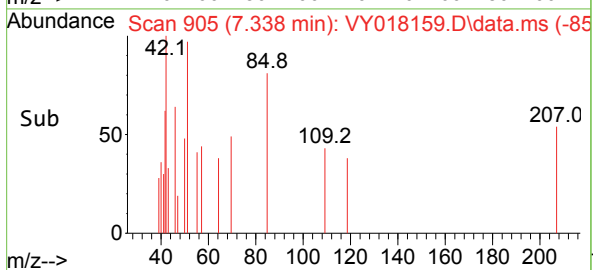
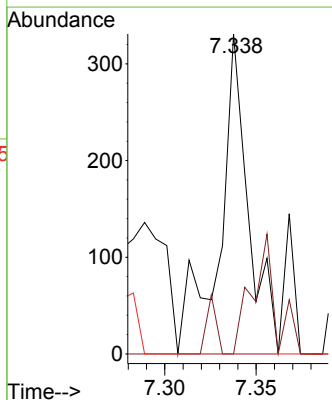
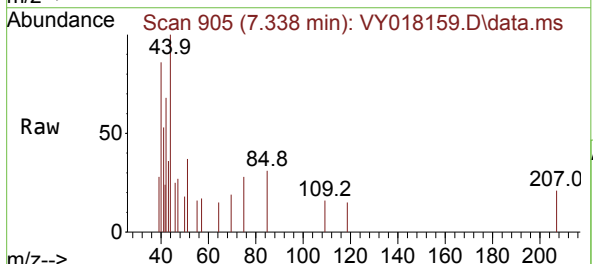
Instrument :
MSVOA_Y
ClientSampleId :

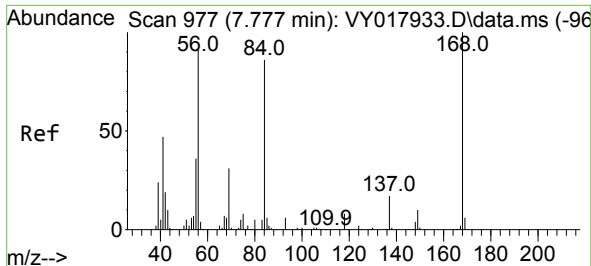
Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#29
Tetrahydrofuran
Concen: 2.487 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.012 min
Lab File: VY018159.D
Acq: 06 May 2024 13:23

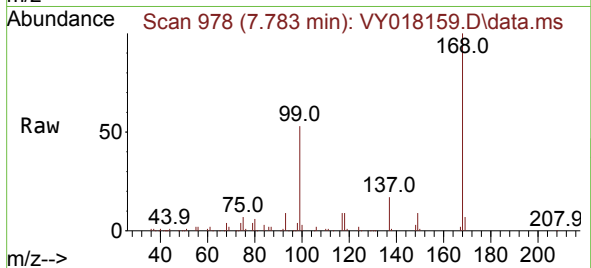
Tgt Ion: 42 Resp: 364
Ion Ratio Lower Upper
42 100
72 6.0 43.0 64.4#
71 0.0 40.8 61.2#



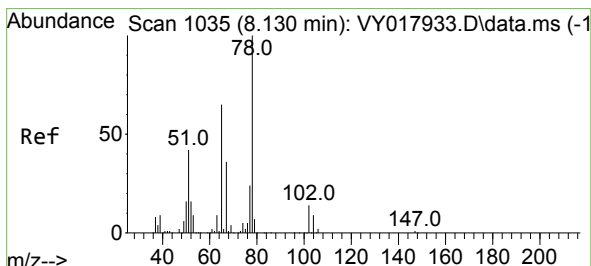
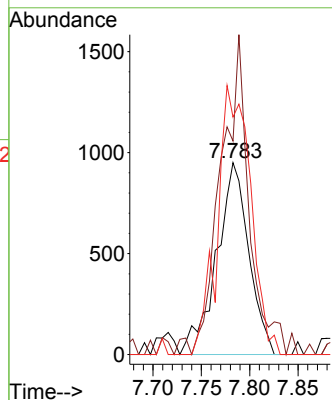
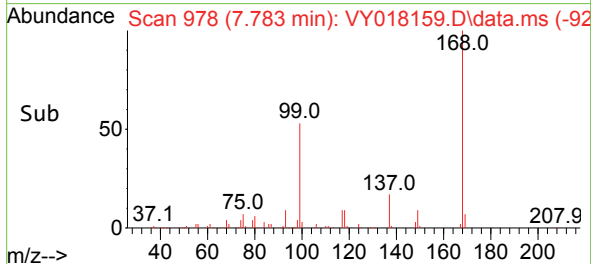


#31
Cyclohexane
Concen: 1.477 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018159.D
Acq: 06 May 2024 13:23

Instrument :
MSVOA_Y
ClientSampleId :

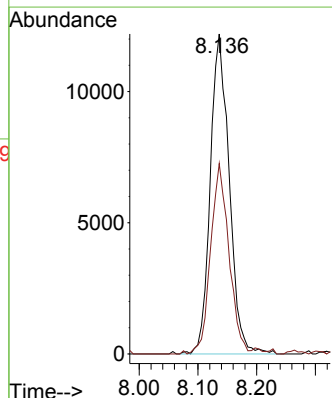
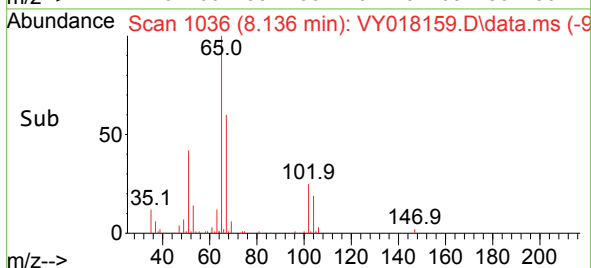
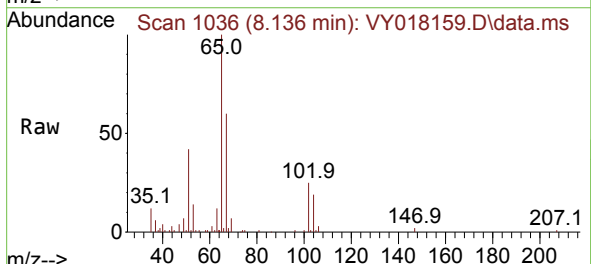


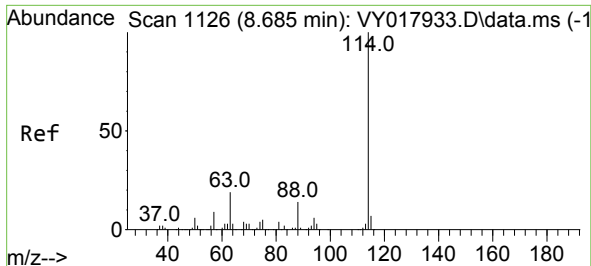
Tgt Ion: 56 Resp: 2198
Ion Ratio Lower Upper
56 100
69 103.3 28.7 43.1#
84 123.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 35.186 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY018159.D
Acq: 06 May 2024 13:23

Tgt Ion: 65 Resp: 27332
Ion Ratio Lower Upper
65 100
67 57.9 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: VY018159.D

Acq: 06 May 2024 13:23

Instrument :

MSVOA_Y

ClientSampleId :

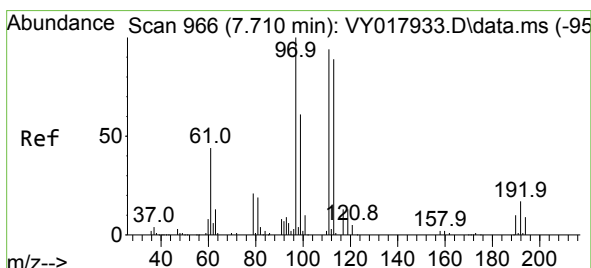
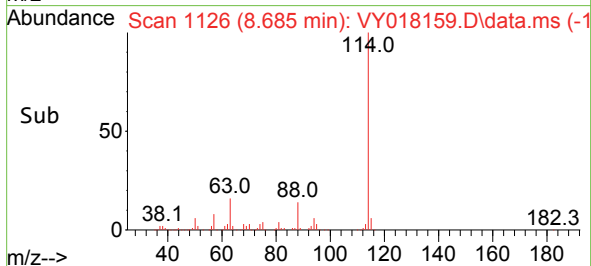
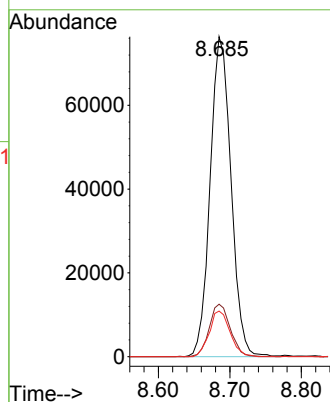
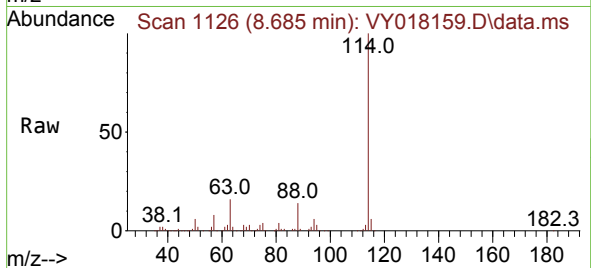
Tgt Ion:114 Resp: 155022

Ion Ratio Lower Upper

114 100

63 16.4 0.0 35.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 42.899 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.012 min

Lab File: VY018159.D

Acq: 06 May 2024 13:23

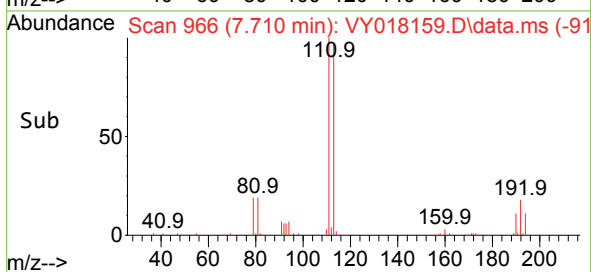
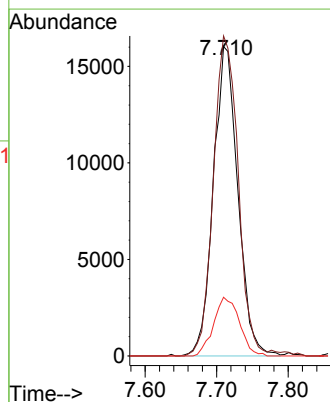
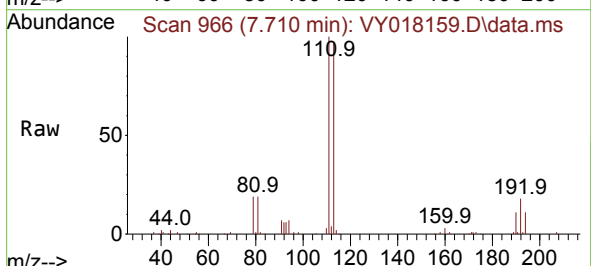
Tgt Ion:113 Resp: 38217

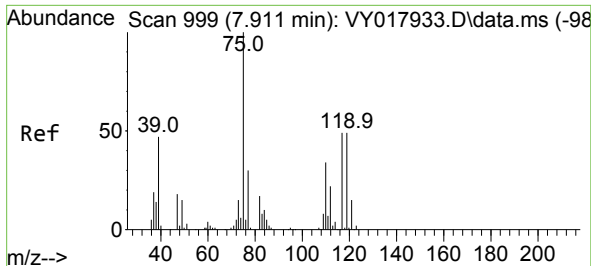
Ion Ratio Lower Upper

113 100

111 105.5 82.2 123.4

192 20.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.149 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.140 min

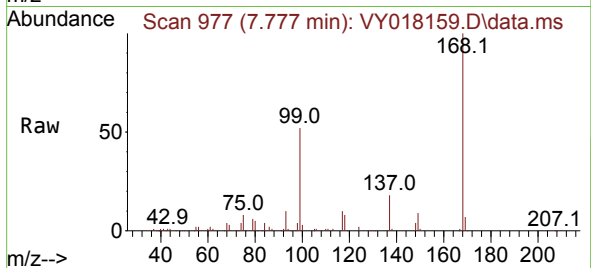
Lab File: VY018159.D

Acq: 06 May 2024 13:23

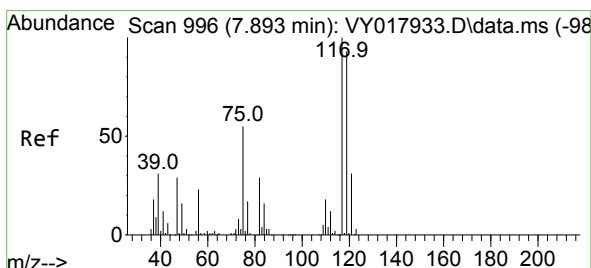
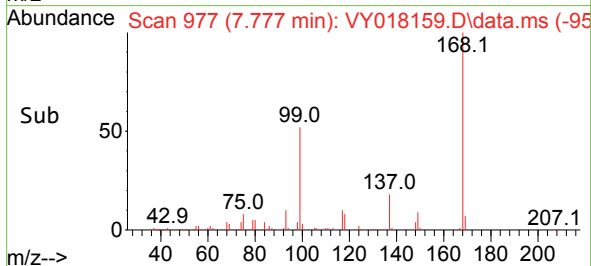
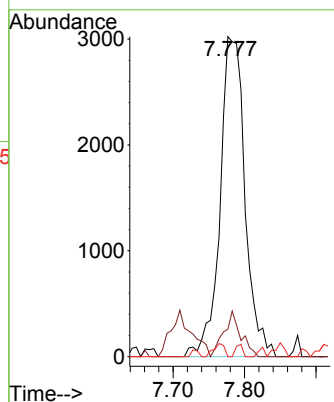
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	7312
Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.0	57.0#
77	1.1	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 7.045 ug/l

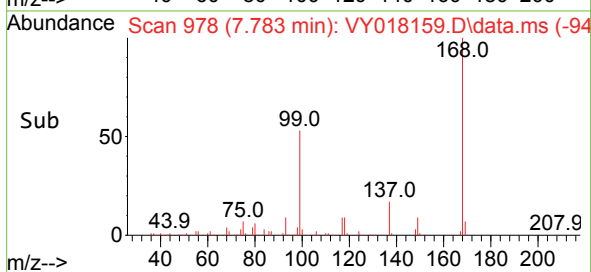
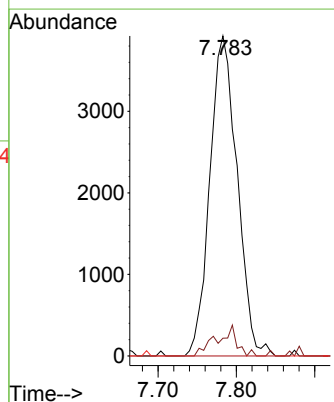
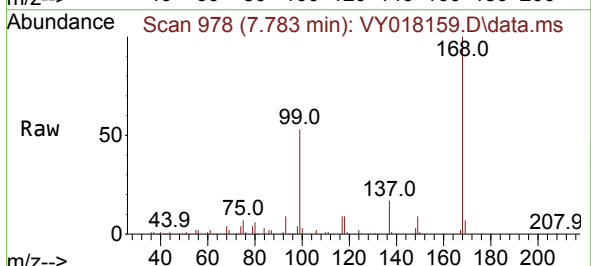
RT: 7.783 min Scan# 978

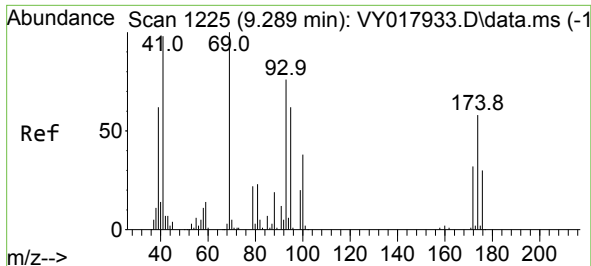
Delta R.T. -0.122 min

Lab File: VY018159.D

Acq: 06 May 2024 13:23

Tgt Ion:	117	Resp:	9509
Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.8	113.6#
121	0.0	24.0	36.0#





#49

1,4-Dioxane

Concen: 4.090 ug/l

RT: 9.313 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY018159.D

Acq: 06 May 2024 13:23

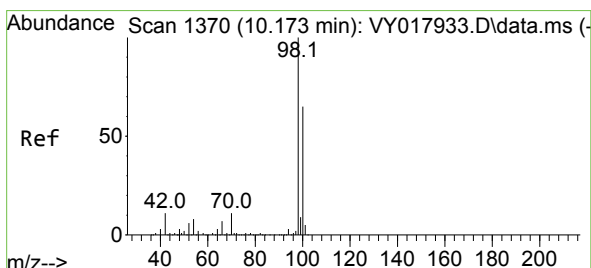
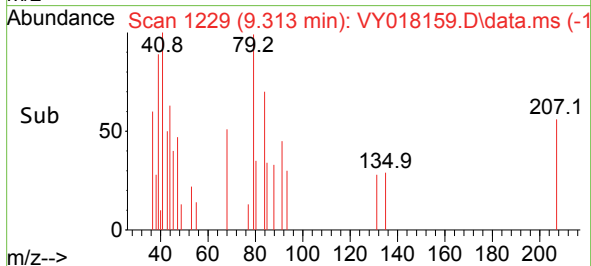
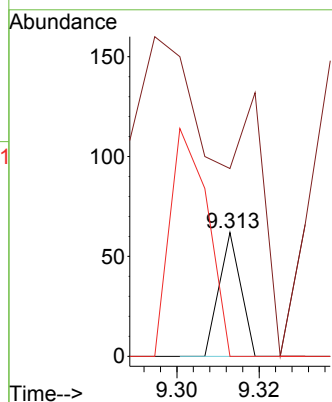
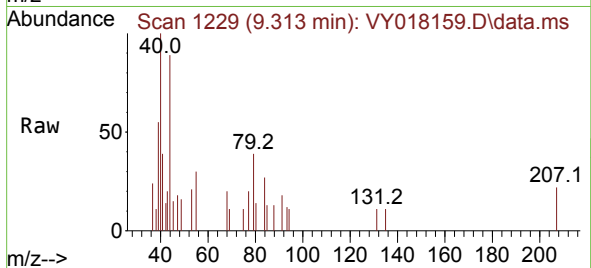
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 88 Resp: 23

Ion	Ratio	Lower	Upper
88	100		
43	1187.0	0.0	0.0#
58	313.0	49.3	73.9#



#50

Toluene-d8

Concen: 46.348 ug/l

RT: 10.179 min Scan# 1371

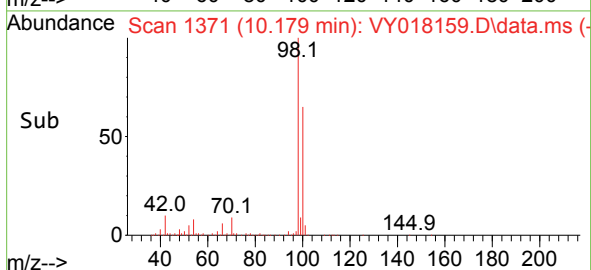
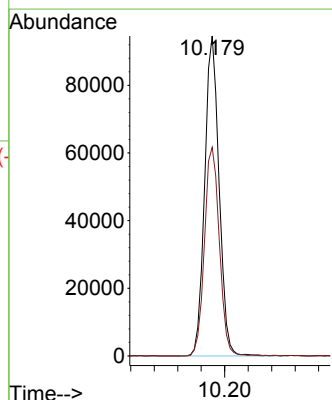
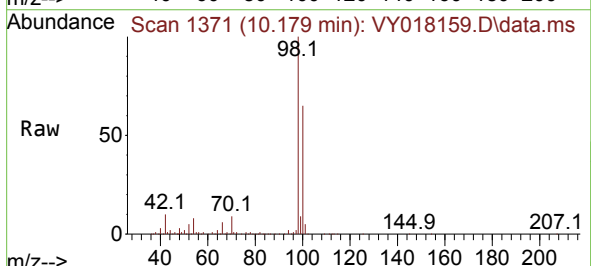
Delta R.T. -0.000 min

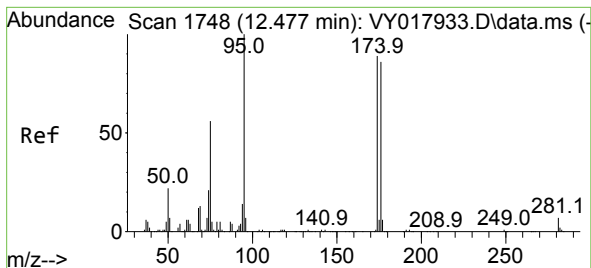
Lab File: VY018159.D

Acq: 06 May 2024 13:23

Tgt Ion: 98 Resp: 161194

Ion	Ratio	Lower	Upper
98	100		
100	67.4	52.0	78.0





#62

4-Bromofluorobenzene

Concen: 32.777 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018159.D

Acq: 06 May 2024 13:23

Instrument :

MSVOA_Y

ClientSampleId :

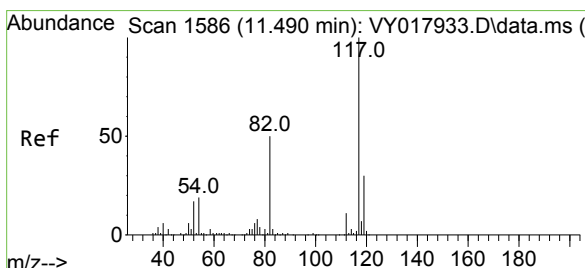
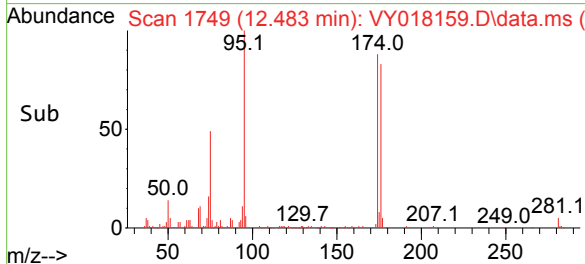
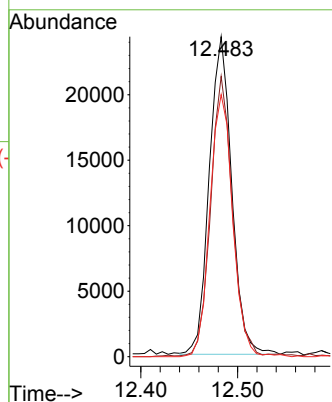
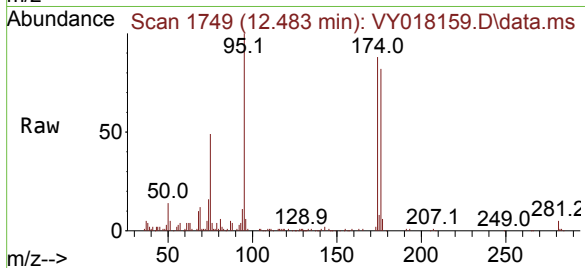
Tgt Ion: 95 Resp: 39230

Ion Ratio Lower Upper

95 100

174 84.6 0.0 175.6

176 84.0 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: VY018159.D

Acq: 06 May 2024 13:23

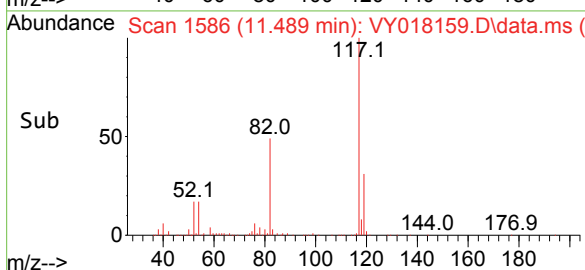
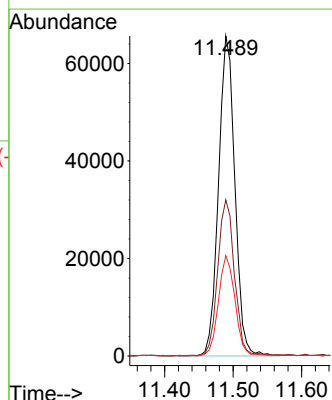
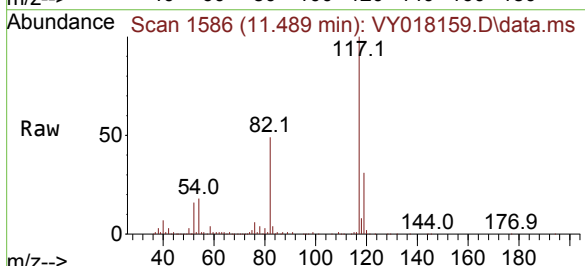
Tgt Ion: 117 Resp: 108473

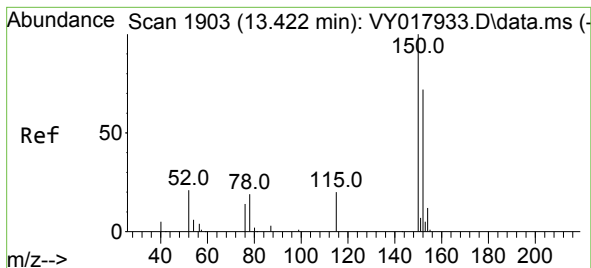
Ion Ratio Lower Upper

117 100

82 48.6 42.4 63.6

119 31.3 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018159.D

Acq: 06 May 2024 13:23

Instrument :

MSVOA_Y

ClientSampleId :

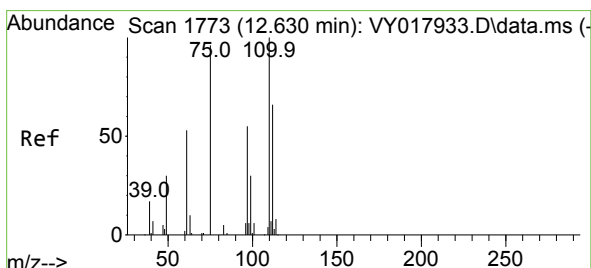
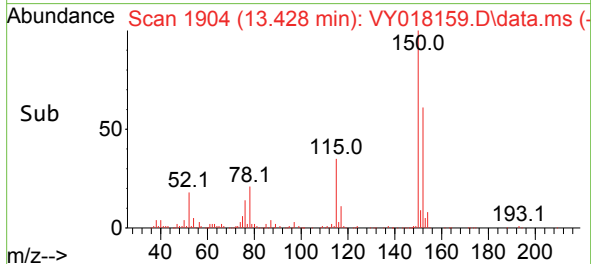
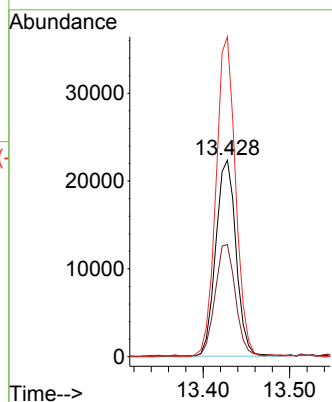
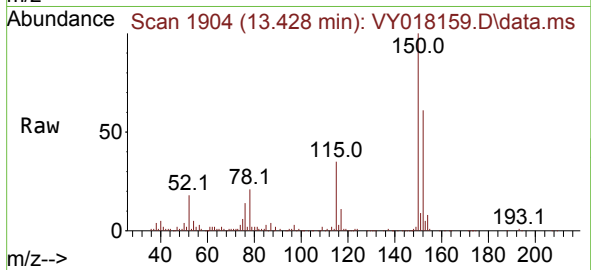
Tgt Ion:152 Resp: 36254

Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.7

150 157.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 61.108 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY018159.D

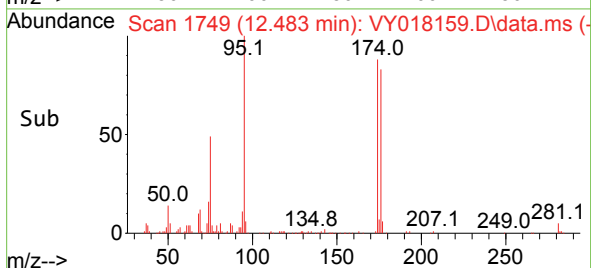
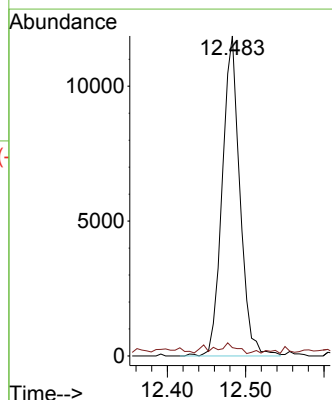
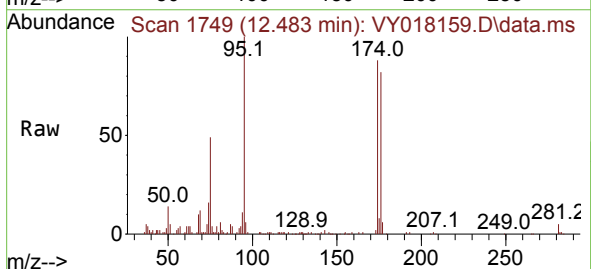
Acq: 06 May 2024 13:23

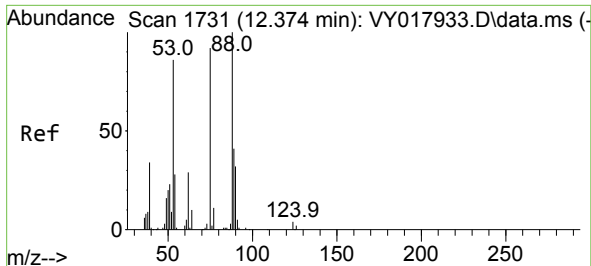
Tgt Ion: 75 Resp: 18593

Ion Ratio Lower Upper

75 100

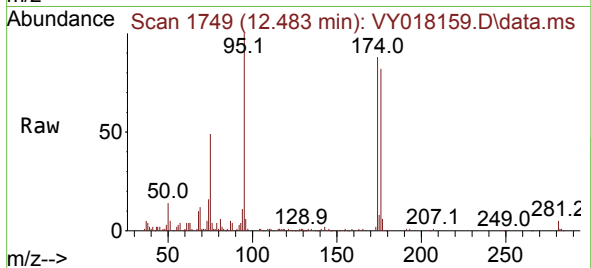
77 1.7 0.0 0.0#



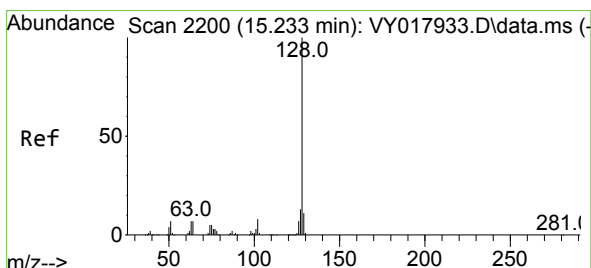
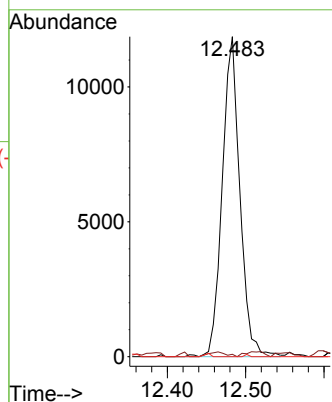
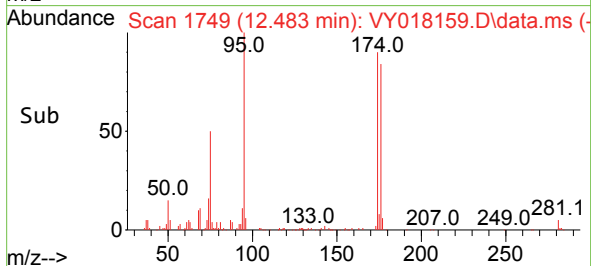


#81
trans-1,4-Dichloro-2-butene
Concen: 111.325 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018159.D
Acq: 06 May 2024 13:23

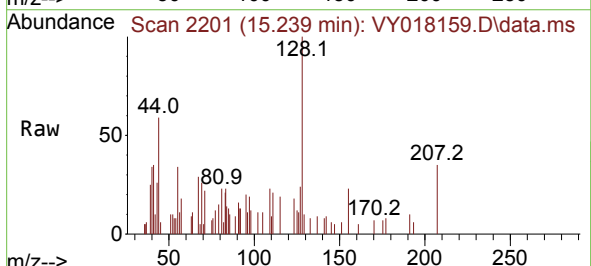
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 18593
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#



#95
Naphthalene
Concen: 1.959 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY018159.D
Acq: 06 May 2024 13:23



Tgt Ion: 128 Resp: 2178
Ion Ratio Lower Upper
128 100
127 17.6 10.6 16.0#
129 5.2 8.6 13.0#

