

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050824\
 Data File : VY018185.D
 Acq On : 08 May 2024 13:55
 Operator : SY/MD
 Sample : IVBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 02:25:39 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)

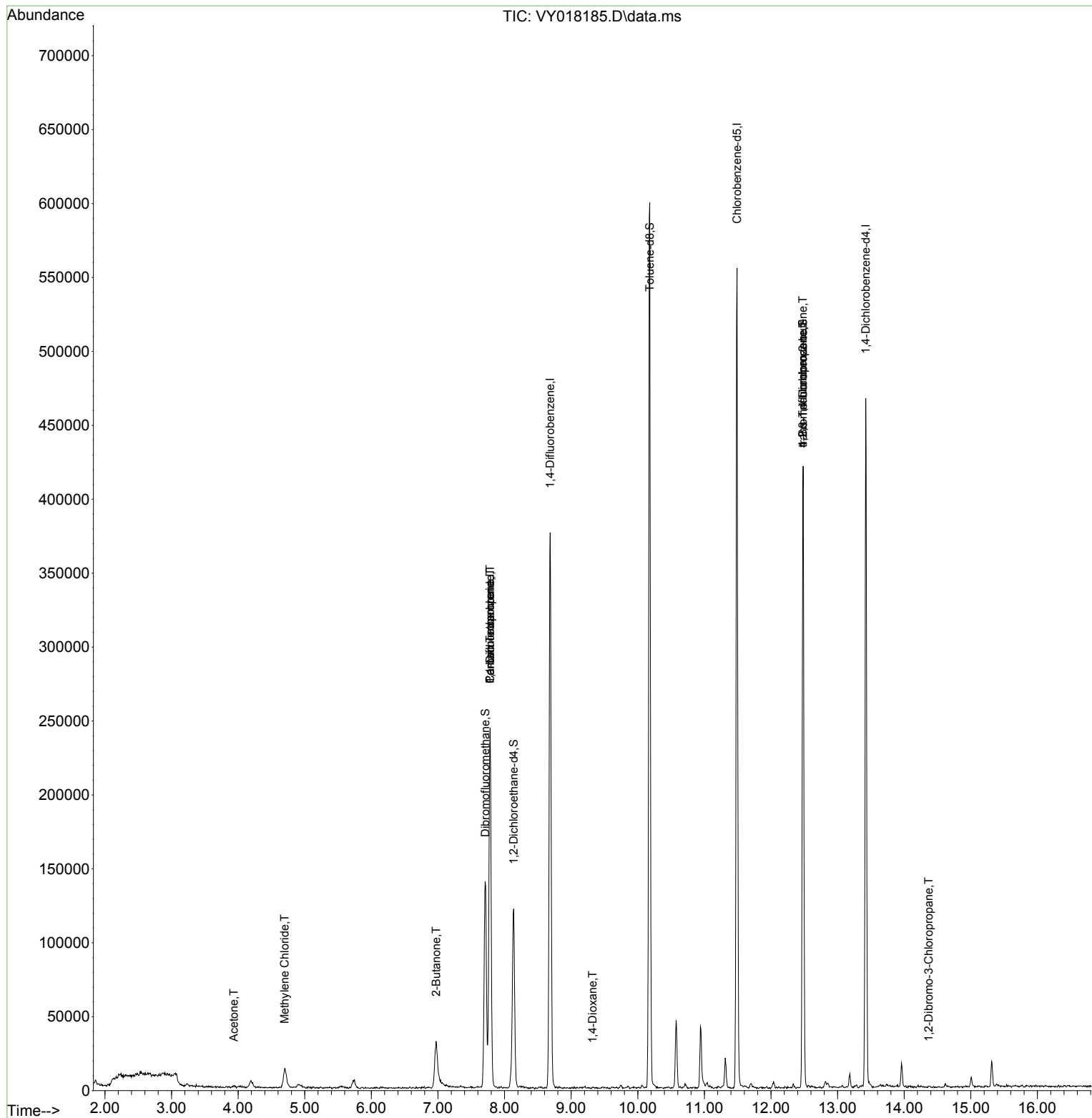
Internal Standards						
1) Pentafluorobenzene	7.783	168	196599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	356296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	319277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	87180	60.277	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.560%			
35) Dibromofluoromethane	7.710	113	102551	54.767	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.540%			
50) Toluene-d8	10.179	98	401877	54.464	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.920%			
62) 4-Bromofluorobenzene	12.477	95	123506	51.830	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.660%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.905	59	1258	Below Cal	#	93
13) Acrolein	3.692	56	210	Below Cal	#	41
16) Acetone	3.936	43	2234	7.740	ug/l #	74
20) Methylene Chloride	4.698	84	10427	5.111	ug/l	96
25) 2-Butanone	6.972	43	2114	4.582	ug/l #	65
31) Cyclohexane	7.783	56	3883	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	13712	5.108	ug/l #	48
38) Carbon Tetrachloride	7.783	117	18920	6.450	ug/l #	18
49) 1,4-Dioxane	9.319	88	70	4.859	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	61136	61.086	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61136	117.692	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.367	75	354	1.738	ug/l #	22

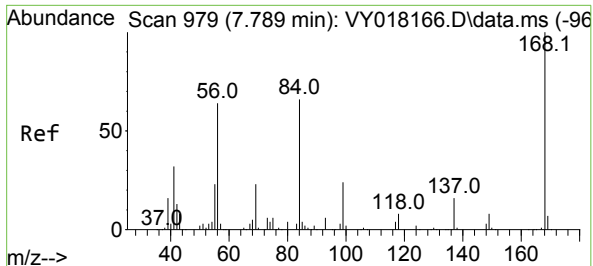
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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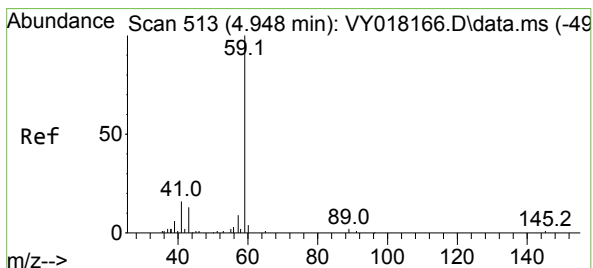
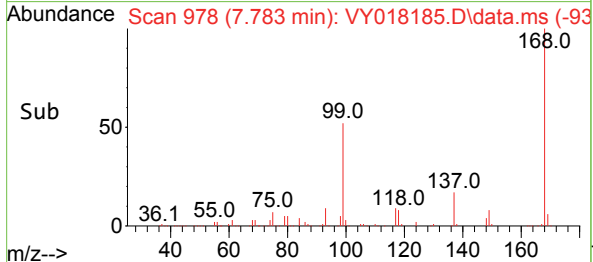
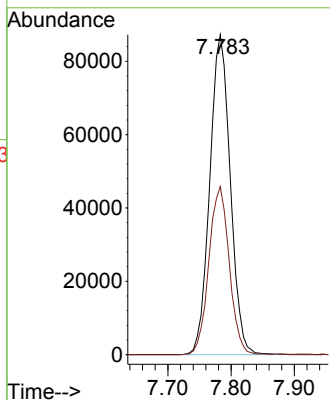
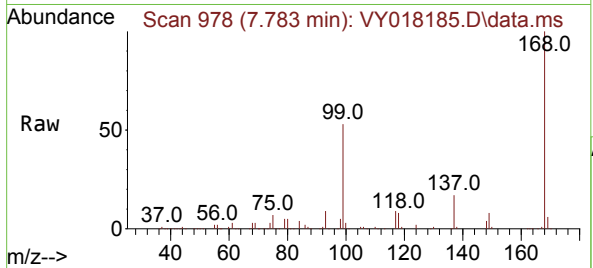




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018185.D
Acq: 08 May 2024 13:55

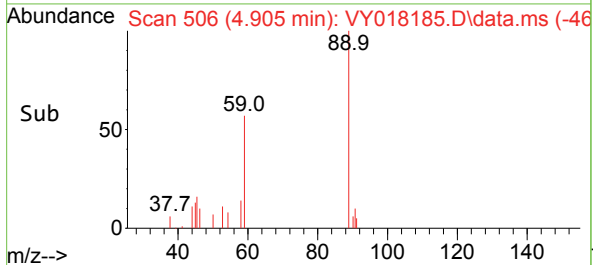
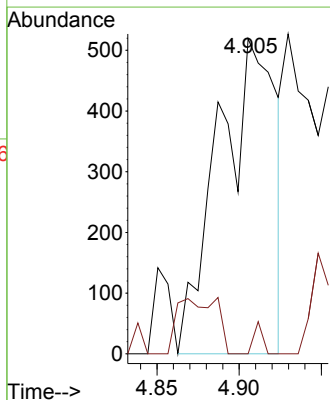
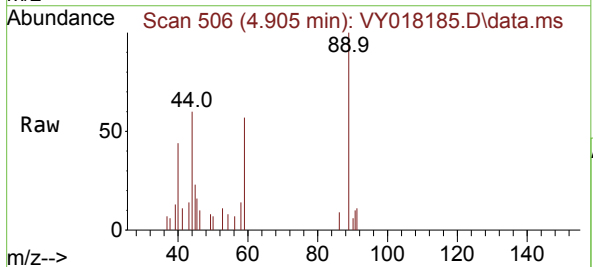
Instrument :
MSVOA_Y
ClientSampleId :

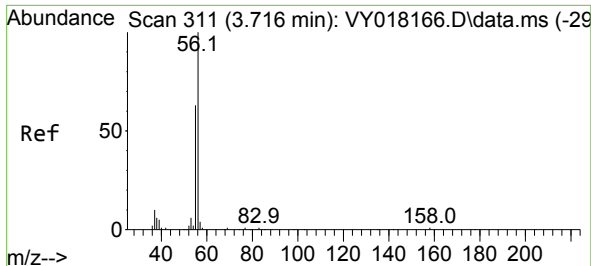
Tgt Ion:168 Resp: 196599
Ion Ratio Lower Upper
168 100
99 52.5 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.905 min Scan# 506
Delta R.T. -0.043 min
Lab File: VY018185.D
Acq: 08 May 2024 13:55

Tgt Ion: 59 Resp: 1258
Ion Ratio Lower Upper
59 100
57 1.5 3.0 4.6#





#13

Acrolein

Concen: Below Cal

RT: 3.692 min Scan# 307

Delta R.T. -0.024 min

Lab File: VY018185.D

Acq: 08 May 2024 13:55

Instrument :

MSVOA_Y

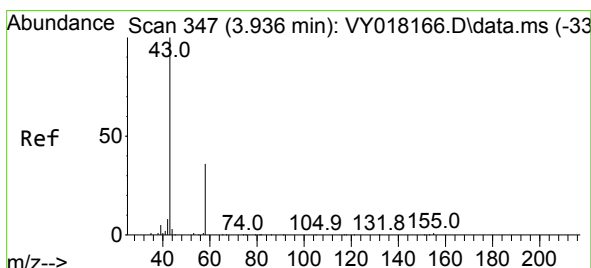
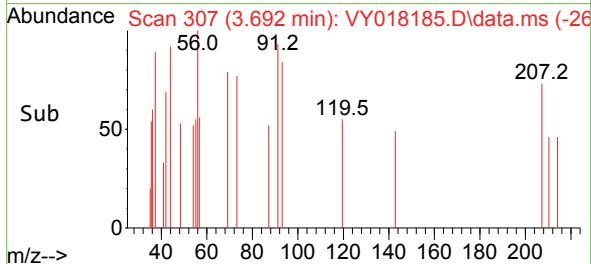
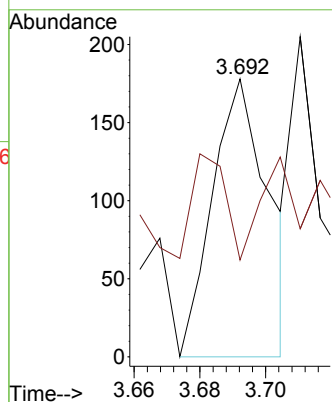
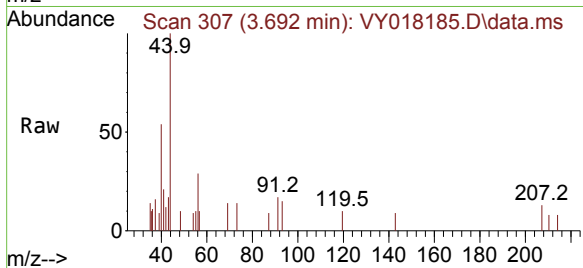
ClientSampleId :

Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 21.4 55.7 83.5#



#16

Acetone

Concen: 7.740 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY018185.D

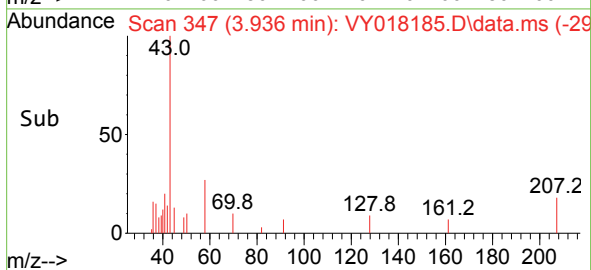
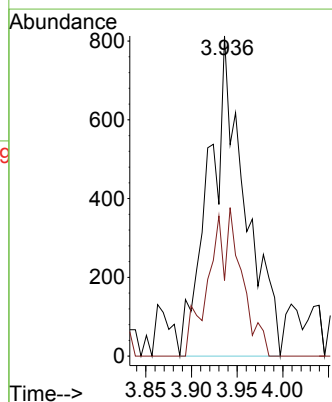
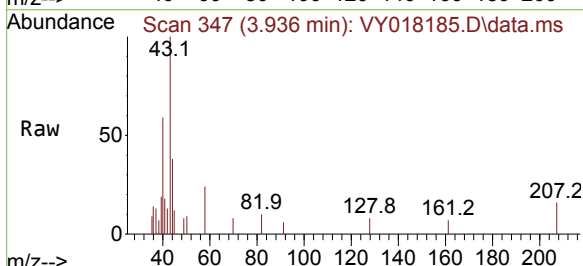
Acq: 08 May 2024 13:55

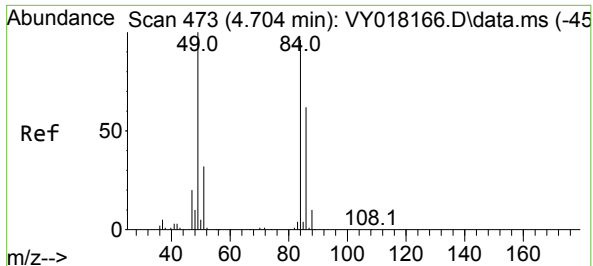
Tgt Ion: 43 Resp: 2234

Ion Ratio Lower Upper

43 100

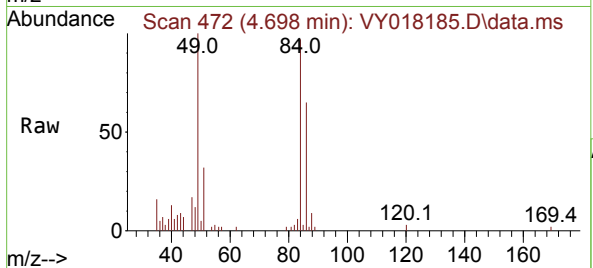
58 23.6 31.7 47.5#



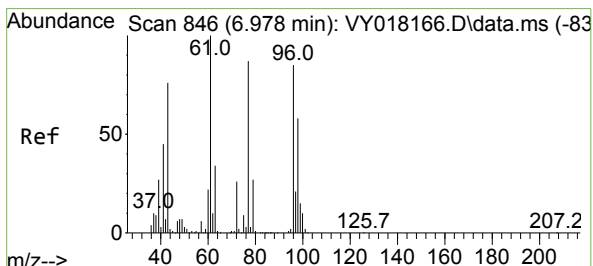
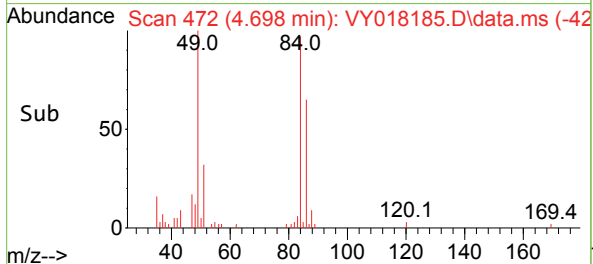
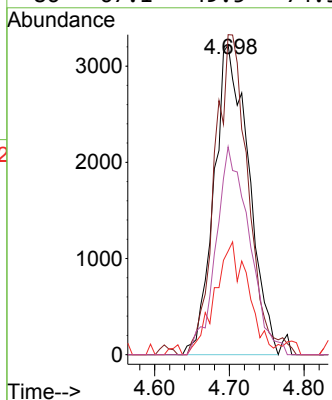


#20
Methylene Chloride
Concen: 5.111 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY018185.D
Acq: 08 May 2024 13:55

Instrument :
MSVOA_Y
ClientSampleId :

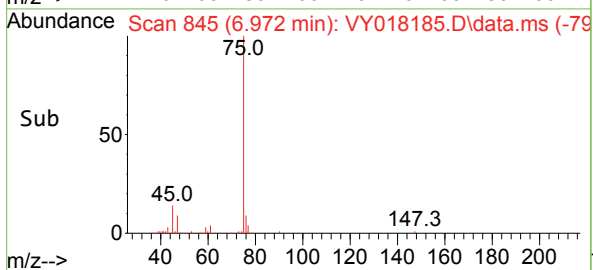
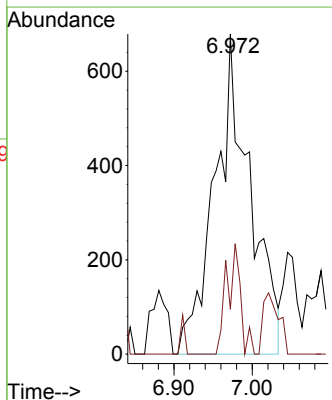
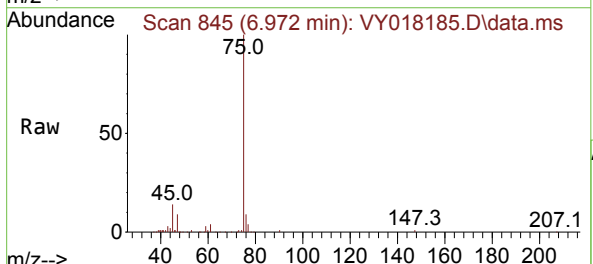


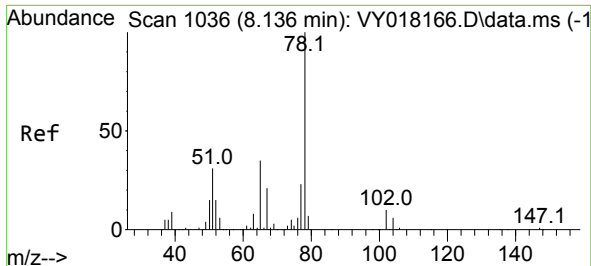
Tgt Ion:	84	Resp:	10427
Ion	Ratio	Lower	Upper
84	100		
49	103.3	84.4	126.6
51	30.2	26.0	39.0
86	67.1	49.5	74.3



#25
2-Butanone
Concen: 4.582 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY018185.D
Acq: 08 May 2024 13:55

Tgt Ion:	43	Resp:	2114
Ion	Ratio	Lower	Upper
43	100		
72	14.0	27.3	40.9#





#33

1,2-Dichloroethane-d4

Concen: 60.277 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018185.D

Acq: 08 May 2024 13:55

Instrument :

MSVOA_Y

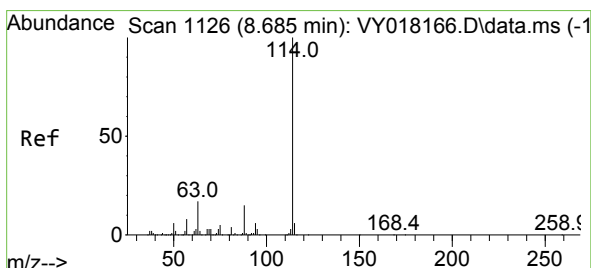
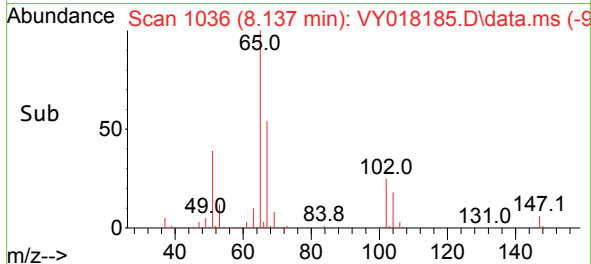
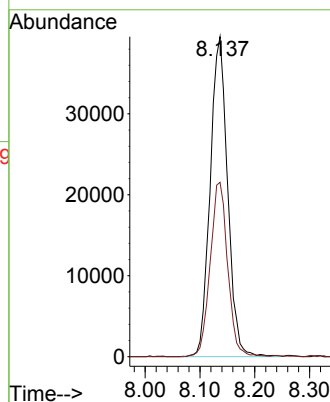
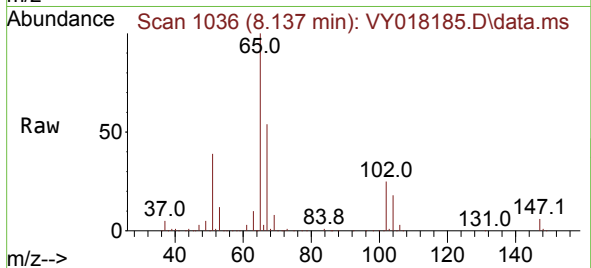
ClientSampleId :

Tgt Ion: 65 Resp: 87180

Ion Ratio Lower Upper

65 100

67 54.7 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: VY018185.D

Acq: 08 May 2024 13:55

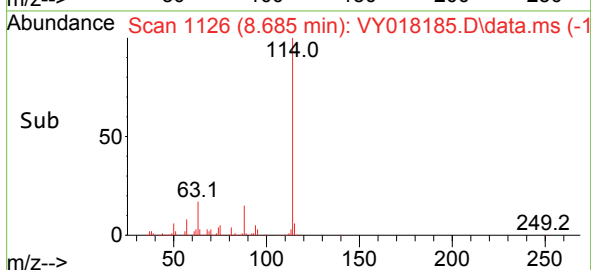
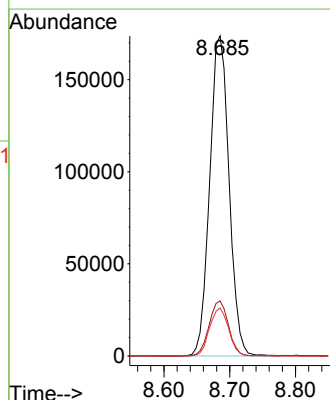
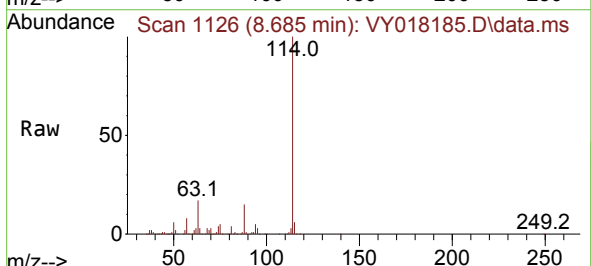
Tgt Ion: 114 Resp: 356296

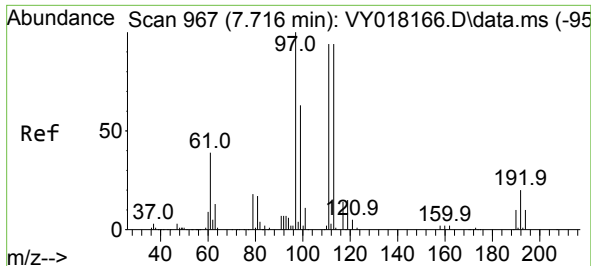
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 15.0 0.0 27.2

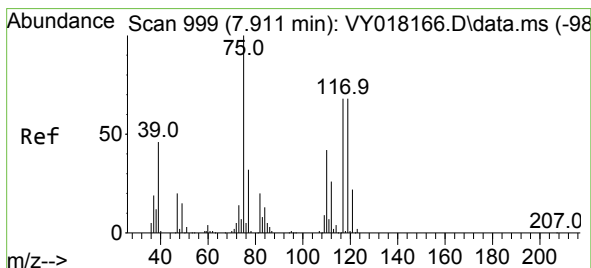
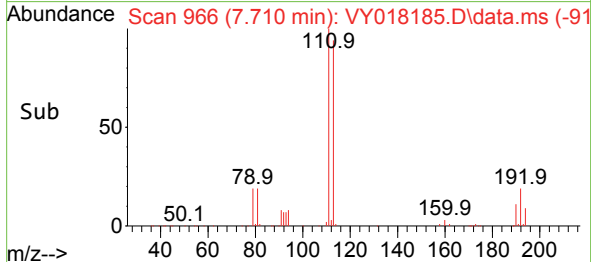
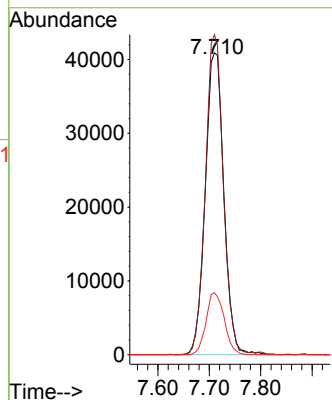
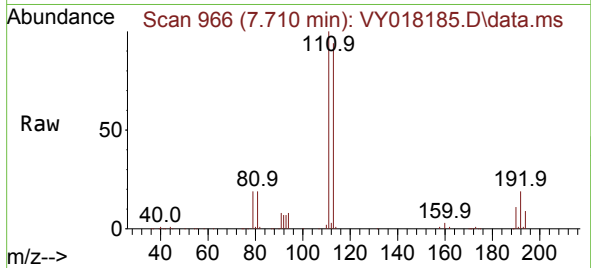




#35
 Dibromofluoromethane
 Concen: 54.767 ug/l
 RT: 7.710 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VY018185.D
 Acq: 08 May 2024 13:55

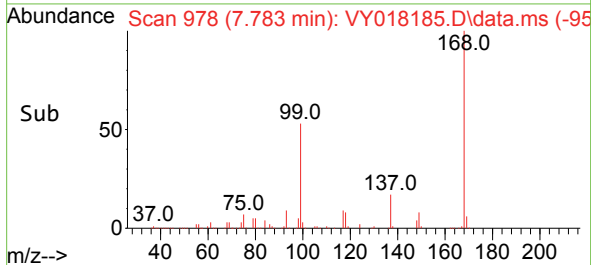
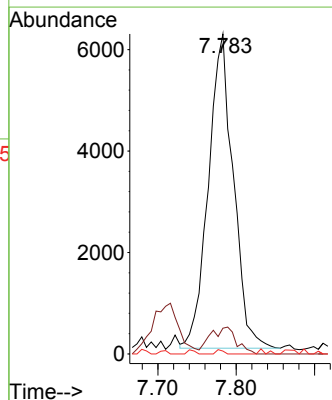
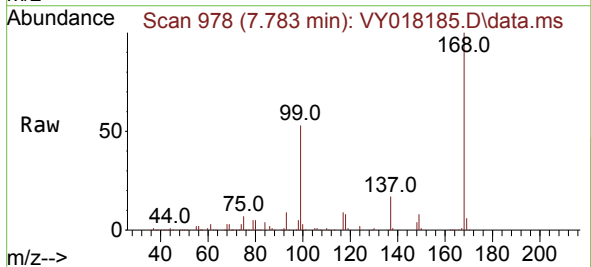
Instrument :
 MSVOA_Y
 ClientSampleId :

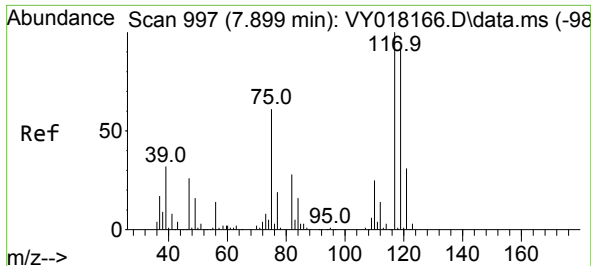
Tgt Ion:113 Resp: 102551
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 20.1 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 5.108 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY018185.D
 Acq: 08 May 2024 13:55

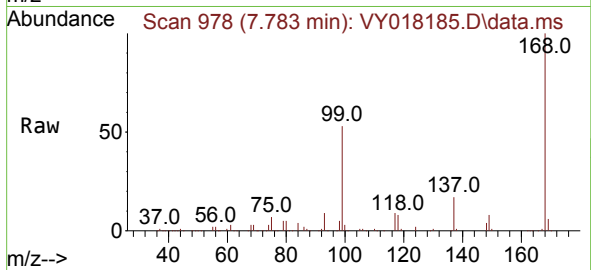
Tgt Ion: 75 Resp: 13712
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.0 57.0#
 77 0.4 25.3 37.9#



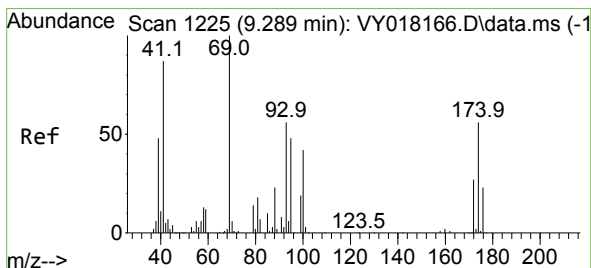
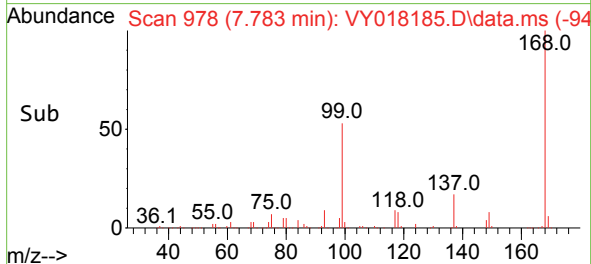
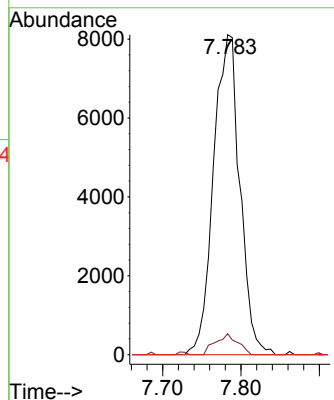


#38
Carbon Tetrachloride
Concen: 6.450 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY018185.D
Acq: 08 May 2024 13:55

Instrument :
MSVOA_Y
ClientSampleId :

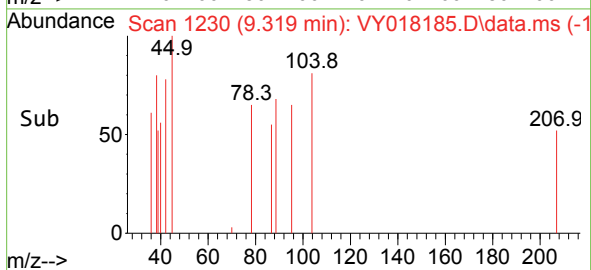
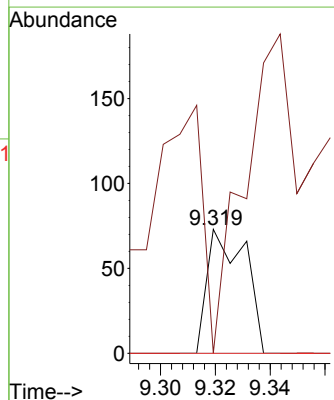
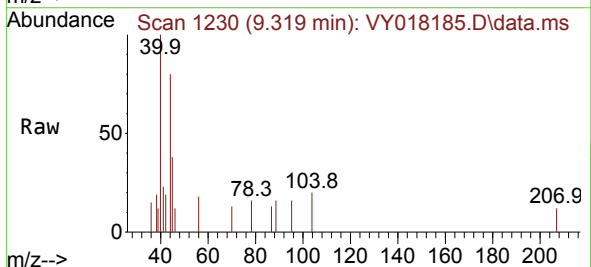


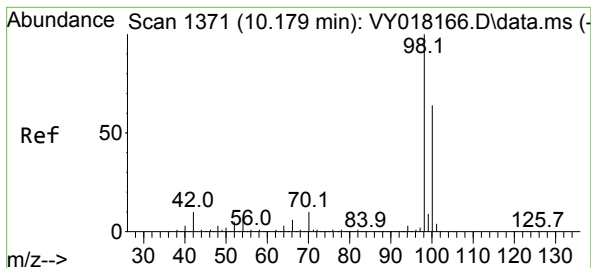
Tgt Ion:117 Resp: 18920
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 4.859 ug/l
RT: 9.319 min Scan# 1230
Delta R.T. 0.031 min
Lab File: VY018185.D
Acq: 08 May 2024 13:55

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 208.6 0.0 0.0#
58 0.0 49.3 73.9#





#50

Toluene-d8

Concen: 54.464 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018185.D

Acq: 08 May 2024 13:55

Instrument :

MSVOA_Y

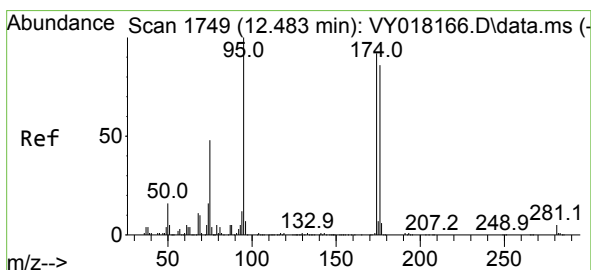
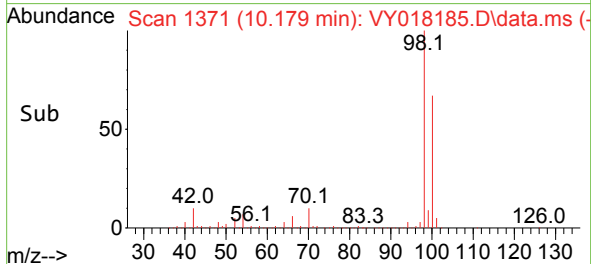
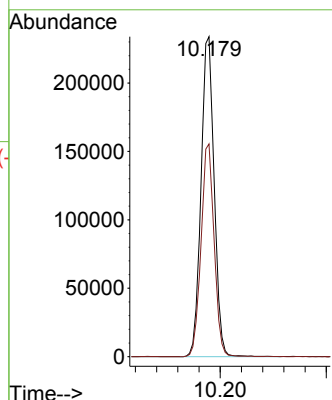
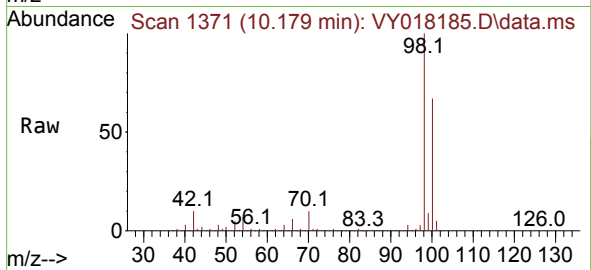
ClientSampleId :

Tgt Ion: 98 Resp: 401877

Ion Ratio Lower Upper

98 100

100 66.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.830 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY018185.D

Acq: 08 May 2024 13:55

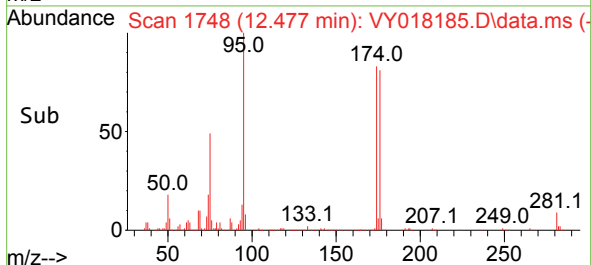
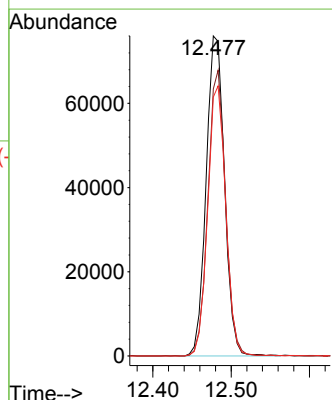
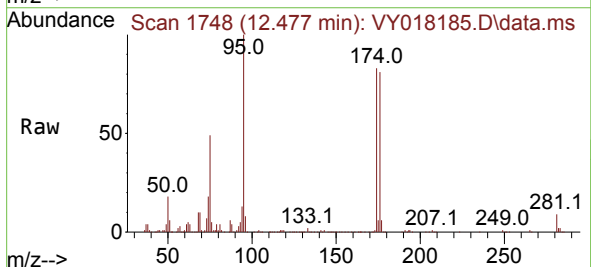
Tgt Ion: 95 Resp: 123506

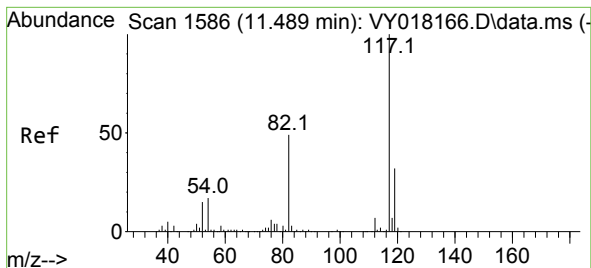
Ion Ratio Lower Upper

95 100

174 86.3 0.0 175.6

176 83.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018185.D

Acq: 08 May 2024 13:55

Instrument :

MSVOA_Y

ClientSampleId :

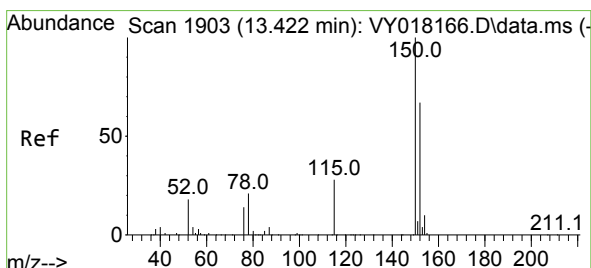
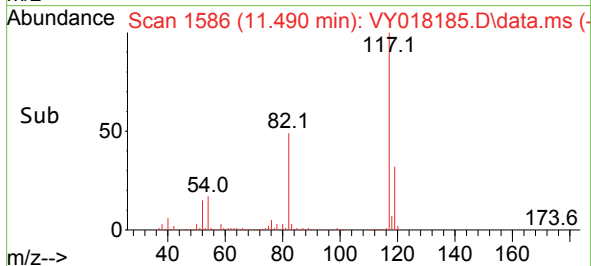
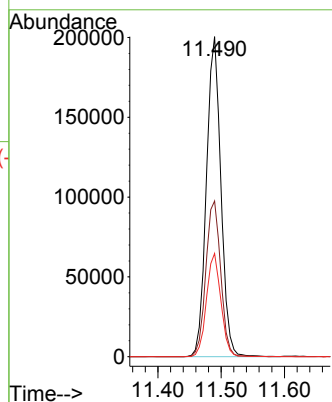
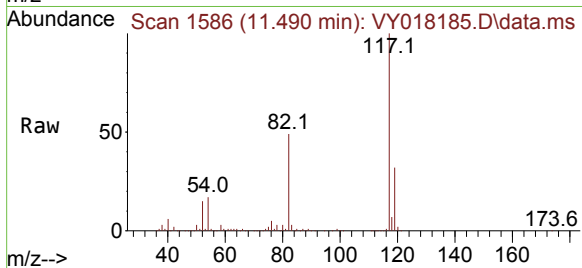
Tgt Ion:117 Resp: 319277

Ion Ratio Lower Upper

117 100

82 48.7 42.4 63.6

119 32.3 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: VY018185.D

Acq: 08 May 2024 13:55

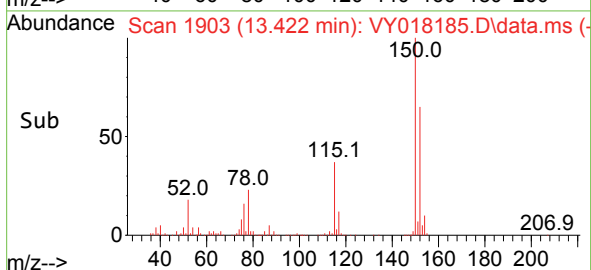
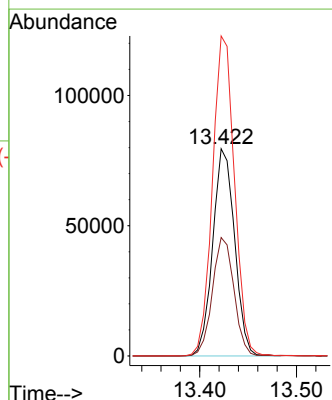
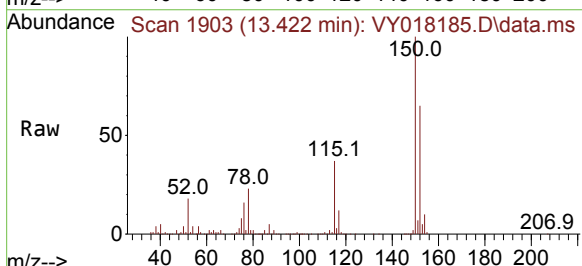
Tgt Ion:152 Resp: 125034

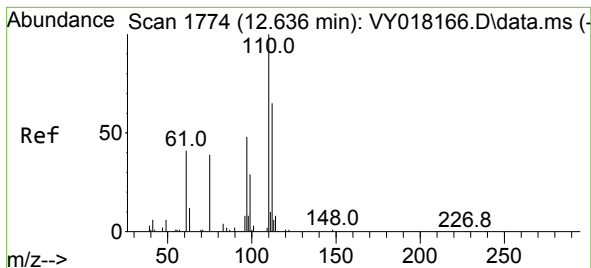
Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.7

150 155.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 61.086 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY018185.D

Acq: 08 May 2024 13:55

Instrument :

MSVOA_Y

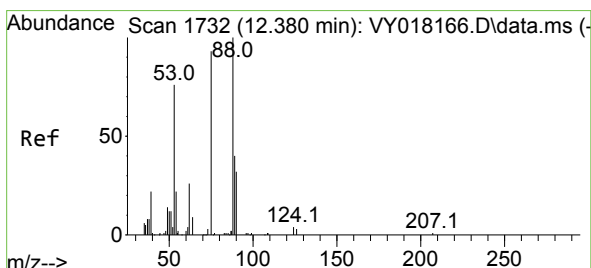
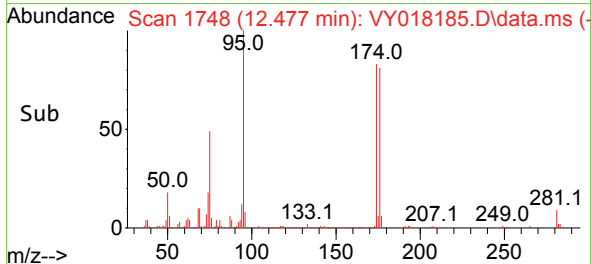
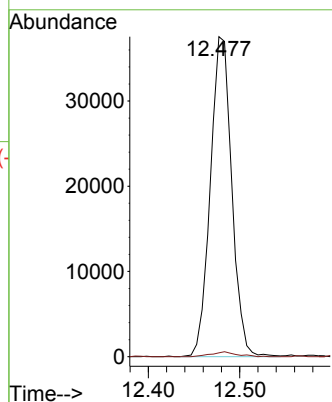
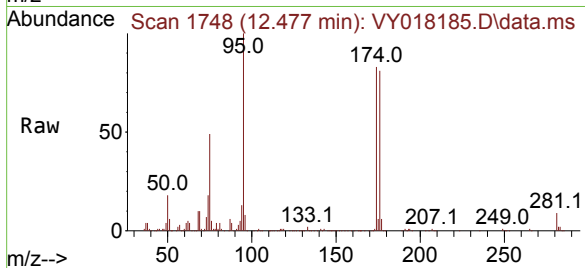
ClientSampleId :

Tgt Ion: 75 Resp: 61136

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.692 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY018185.D

Acq: 08 May 2024 13:55

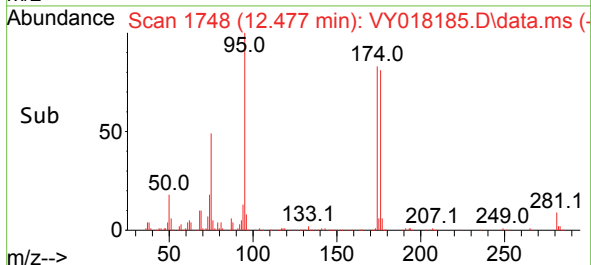
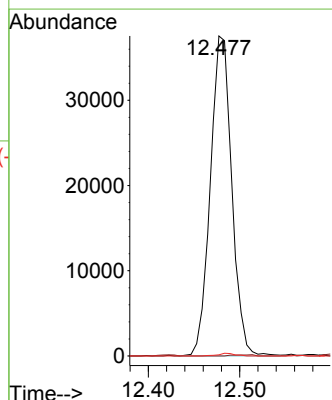
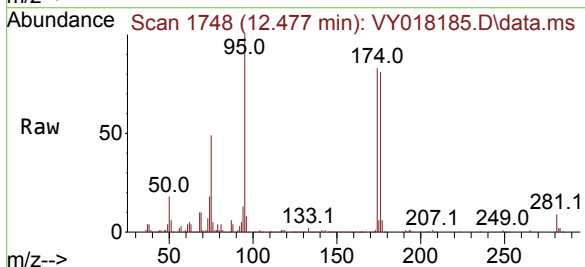
Tgt Ion: 75 Resp: 61136

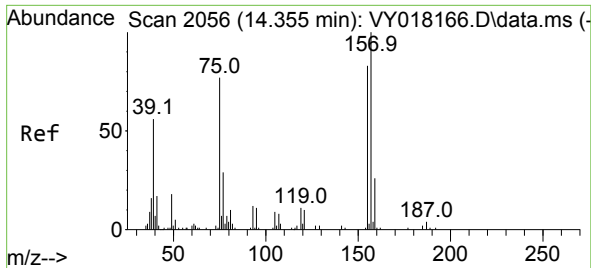
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

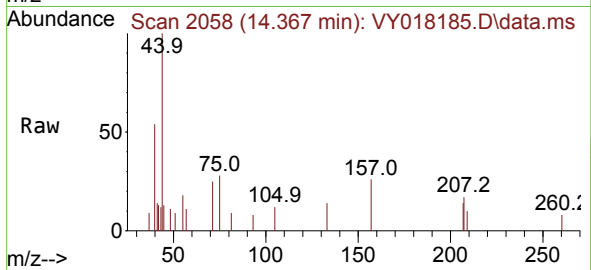
89 0.6 35.8 53.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.738 ug/l
 RT: 14.367 min Scan# 2058
 Delta R.T. 0.012 min
 Lab File: VY018185.D
 Acq: 08 May 2024 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 354
 Ion Ratio Lower Upper
 75 100
 155 7.1 48.6 145.8#
 157 47.7 62.7 188.2#

