

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
 Data File : VY018158.D
 Acq On : 06 May 2024 12:59
 Operator : SY/MD
 Sample : P2354-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 23:46:10 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)

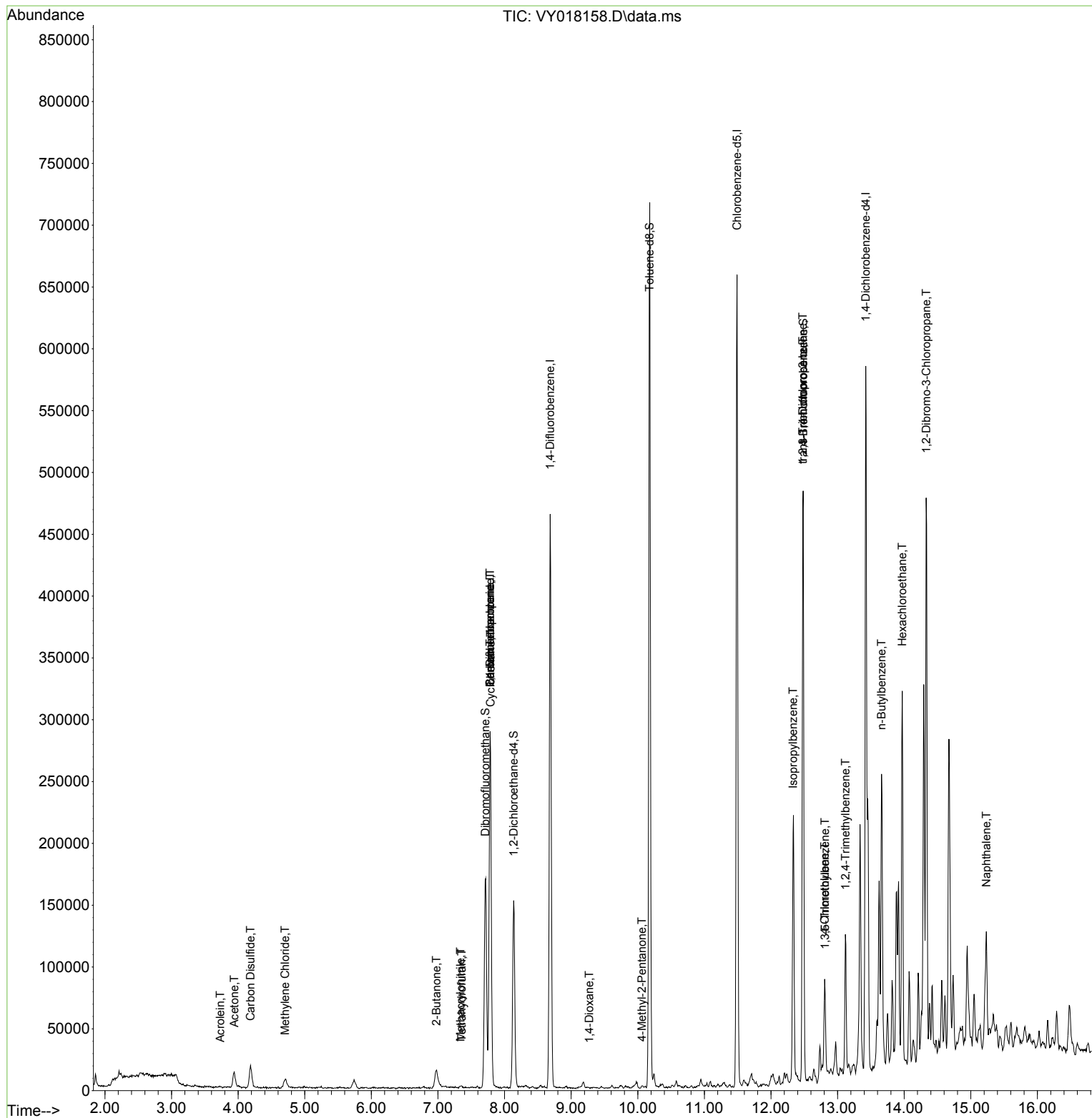
Internal Standards						
1) Pentafluorobenzene	7.783	168	235391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	425775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	384372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	107602	57.993	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.980%
35) Dibromofluoromethane	7.710	113	121843	49.797	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.600%
50) Toluene-d8	10.179	98	474353	49.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.320%
62) 4-Bromofluorobenzene	12.483	95	151084	45.960	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.920%
Target Compounds						
					Qvalue	
13) Acrolein	3.729	56	364	1.617	ug/l #	49
16) Acetone	3.942	43	21040	59.524	ug/l #	85
17) Carbon Disulfide	4.186	76	32495	4.836	ug/l #	90
20) Methylene Chloride	4.704	84	5585	2.255	ug/l #	91
25) 2-Butanone	6.978	43	4026	7.321	ug/l	97
29) Tetrahydrofuran	7.356	42	1325	3.790	ug/l	88
31) Cyclohexane	7.789	56	5065	1.425	ug/l #	16
36) 1,1-Dichloropropene	7.783	75	16304	4.992	ug/l #	49
38) Carbon Tetrachloride	7.783	117	21356	5.761	ug/l #	17
41) Methacrylonitrile	7.338	41	849	1.013	ug/l #	39
49) 1,4-Dioxane	9.271	88	50	3.237	ug/l #	20
51) 4-Methyl-2-Pentanone	10.063	43	1653	1.133	ug/l #	75
73) Isopropylbenzene	12.331	105	15632	1.353	ug/l	79
76) 1,2,3-Trichloropropane	12.477	75	72000	55.885	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	18907	2.030	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.477	75	72000	101.810	ug/l #	16
82) 4-Chlorotoluene	12.806	91	7869	1.016	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.117	105	61618	6.755	ug/l	100
89) n-Butylbenzene	13.660	91	15430	1.710	ug/l #	1
90) Hexachloroethane	13.971	117	13489	6.512	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.331	75	1724	6.217	ug/l #	1
95) Naphthalene	15.233	128	73408	15.591	ug/l	99

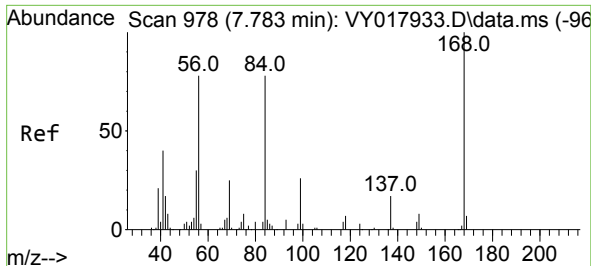
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 06 23:46:10 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

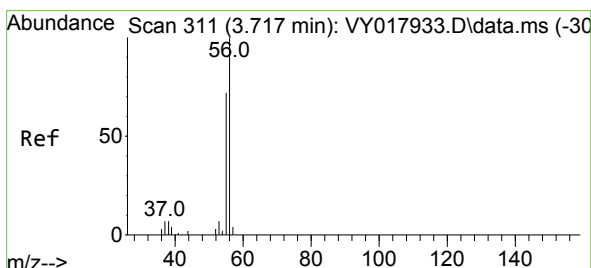
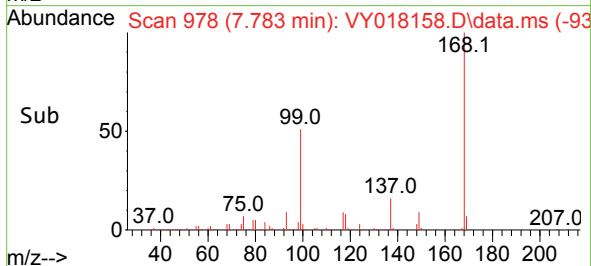
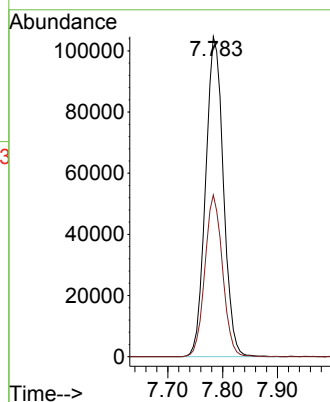
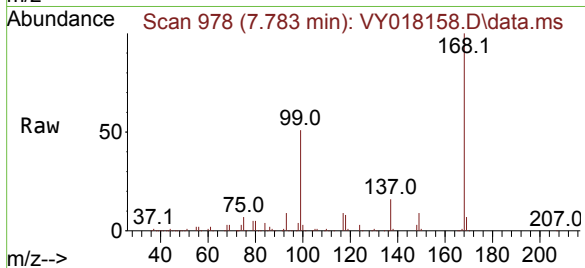




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

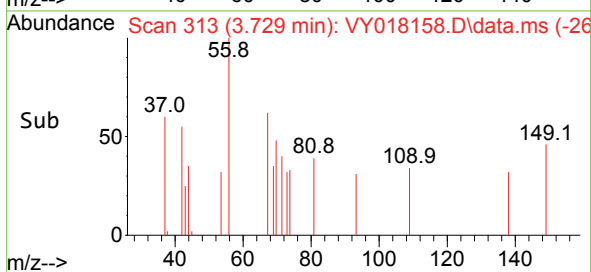
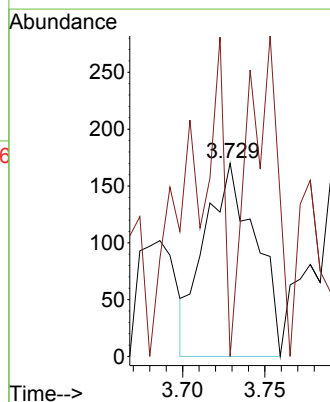
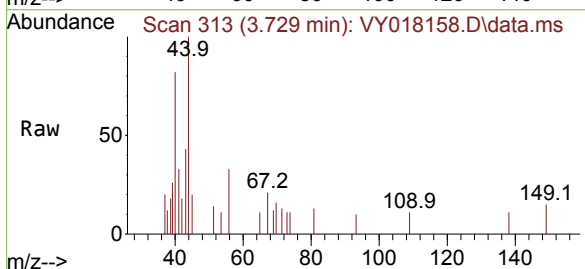
Instrument :
MSVOA_Y
ClientSampleId :

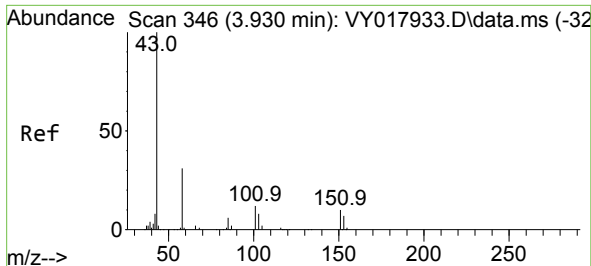
Tgt Ion:168 Resp: 235391
Ion Ratio Lower Upper
168 100
99 50.6 39.1 58.7



#13
Acrolein
Concen: 1.617 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

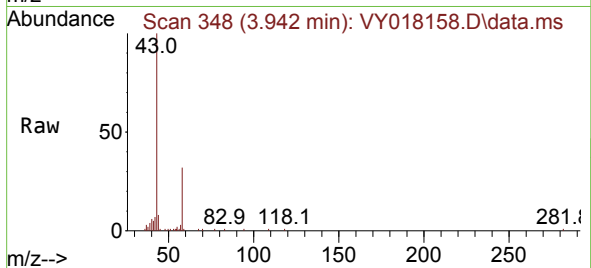
Tgt Ion: 56 Resp: 364
Ion Ratio Lower Upper
56 100
55 111.0 55.7 83.5#



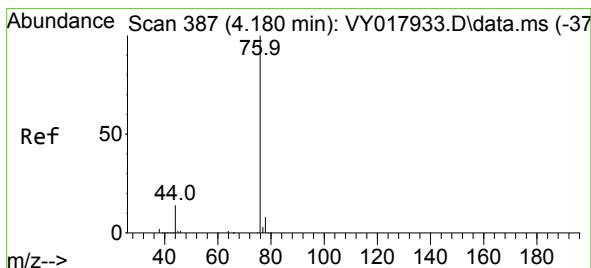
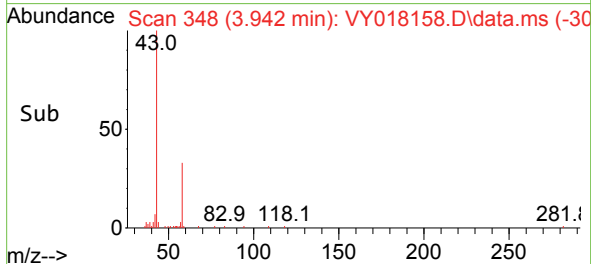
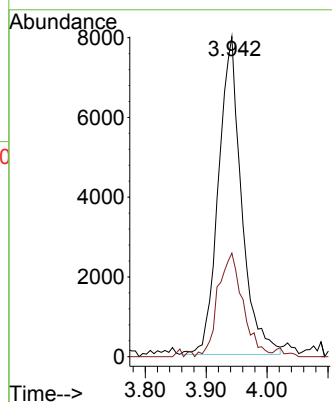


#16
Acetone
Concen: 59.524 ug/l
RT: 3.942 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

Instrument :
MSVOA_Y
ClientSampleId :

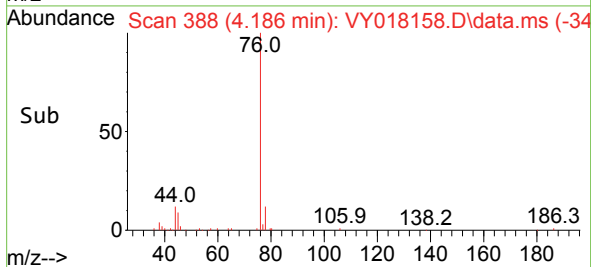
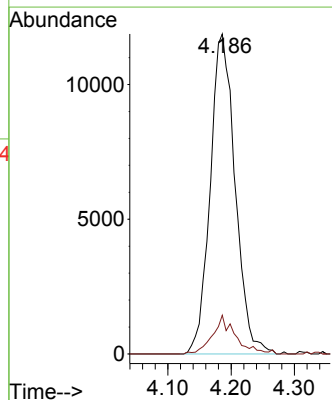
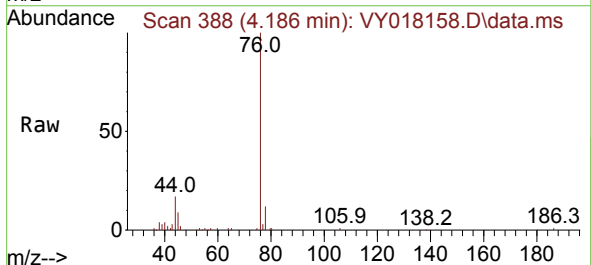


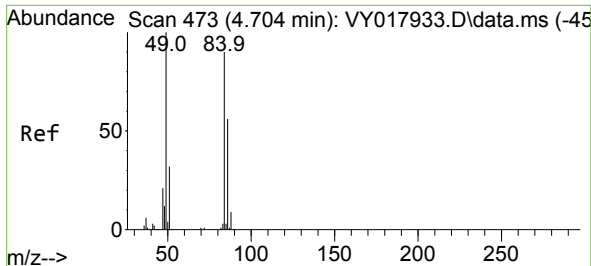
Tgt Ion: 43 Resp: 21040
Ion Ratio Lower Upper
43 100
58 30.2 31.7 47.5#



#17
Carbon Disulfide
Concen: 4.836 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

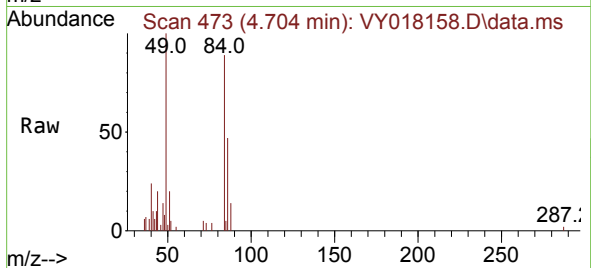
Tgt Ion: 76 Resp: 32495
Ion Ratio Lower Upper
76 100
78 12.1 6.8 10.2#



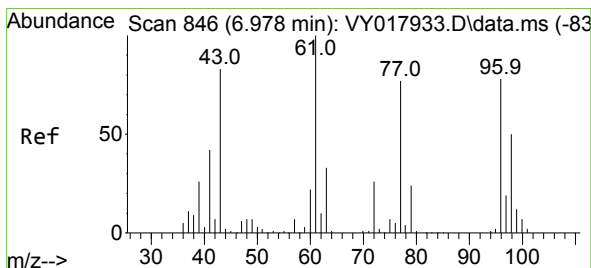
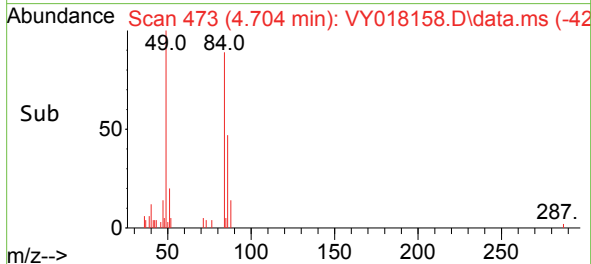
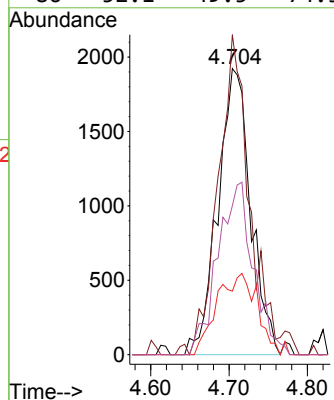


#20
Methylene Chloride
Concen: 2.255 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

Instrument :
MSVOA_Y
ClientSampleId :

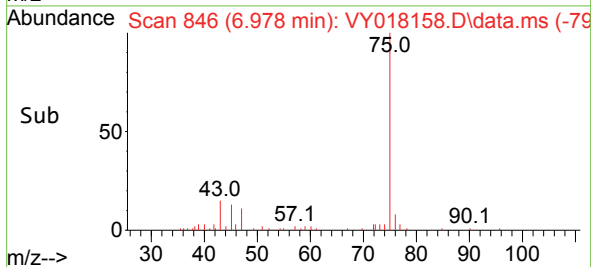
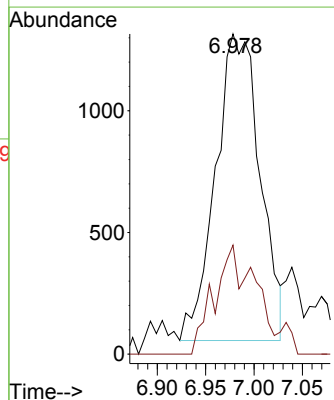
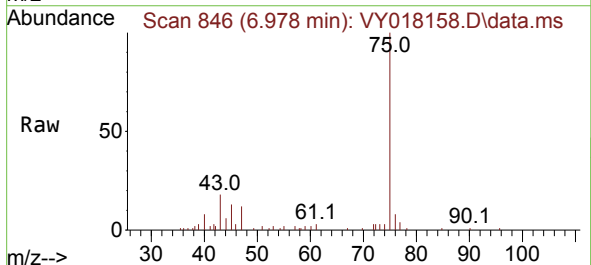


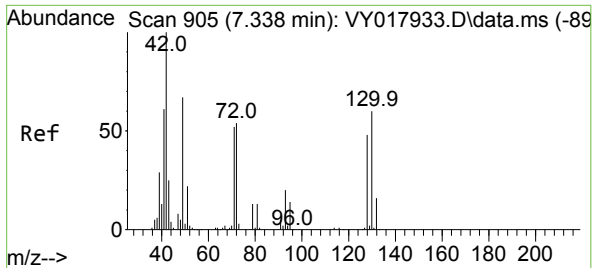
Tgt Ion:	84	Resp:	5585
Ion	Ratio	Lower	Upper
84	100		
49	109.1	84.4	126.6
51	22.2	26.0	39.0#
86	52.1	49.5	74.3



#25
2-Butanone
Concen: 7.321 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

Tgt Ion:	43	Resp:	4026
Ion	Ratio	Lower	Upper
43	100		
72	35.6	27.3	40.9

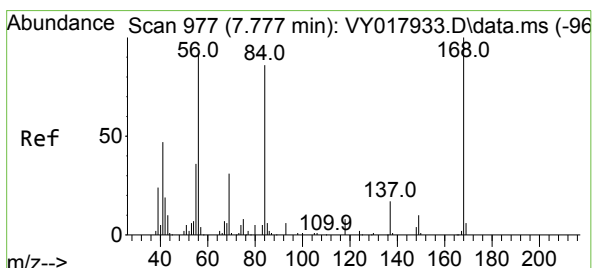
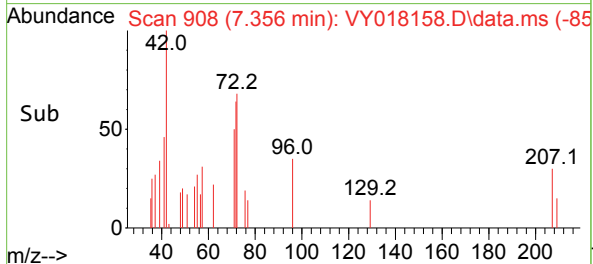
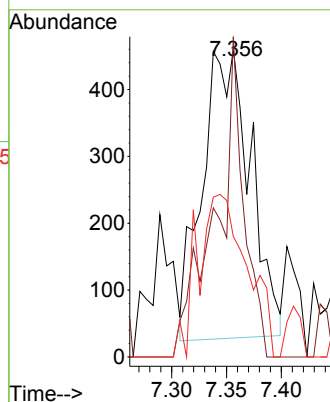
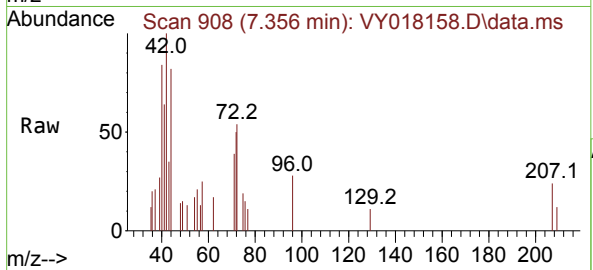




#29
Tetrahydrofuran
Concen: 3.790 ug/l
RT: 7.356 min Scan# 905
Delta R.T. 0.006 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

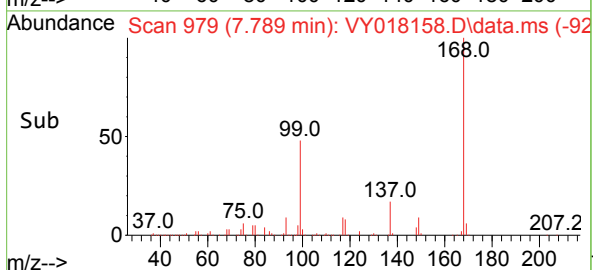
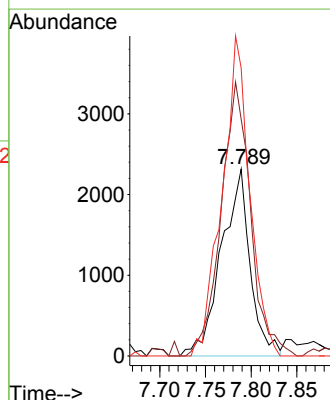
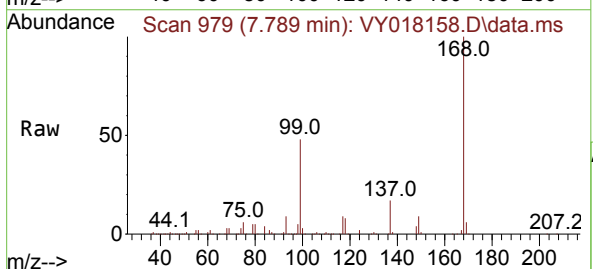
Instrument :
MSVOA_Y
ClientSampleId :

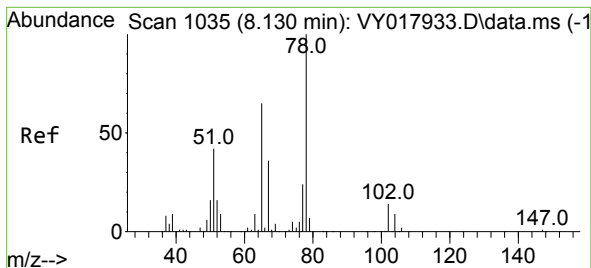
Tgt Ion: 42 Resp: 1325
Ion Ratio Lower Upper
42 100
72 64.1 43.0 64.4
71 57.3 40.8 61.2



#31
Cyclohexane
Concen: 1.425 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

Tgt Ion: 56 Resp: 5065
Ion Ratio Lower Upper
56 100
69 126.7 28.7 43.1#
84 154.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 57.993 ug/l

RT: 8.137 min Scan# 1035

Delta R.T. -0.005 min

Lab File: VY018158.D

Acq: 06 May 2024 12:59

Instrument :

MSVOA_Y

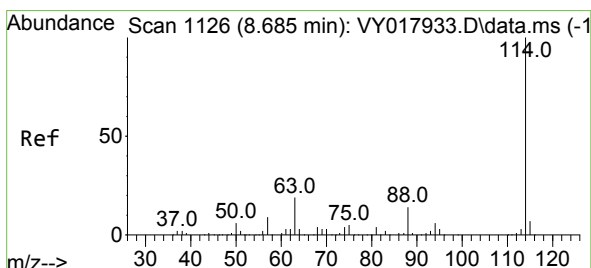
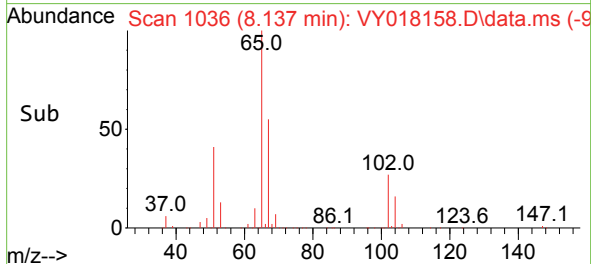
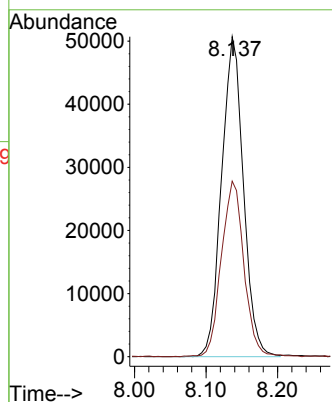
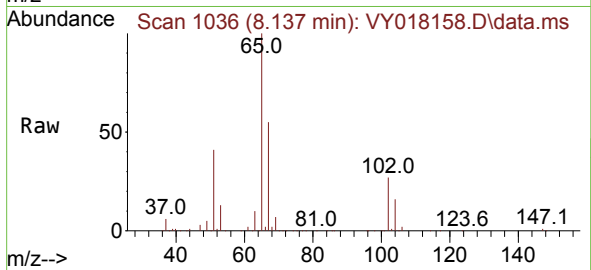
ClientSampleId :

Tgt Ion: 65 Resp: 107602

Ion Ratio Lower Upper

65 100

67 56.8 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: VY018158.D

Acq: 06 May 2024 12:59

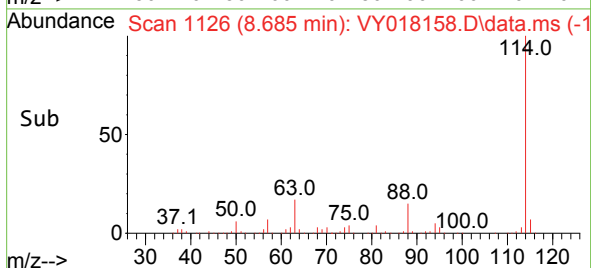
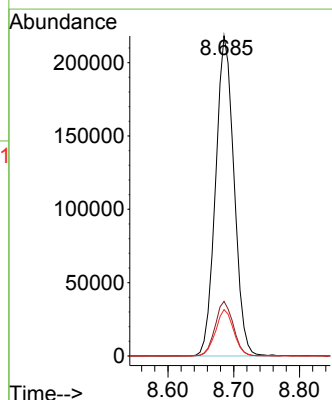
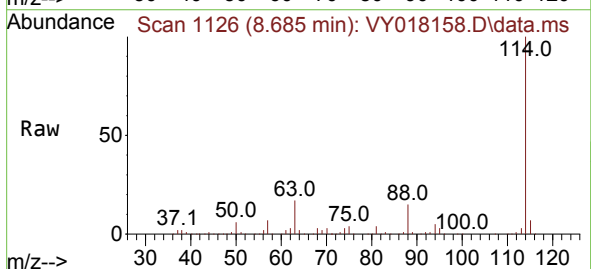
Tgt Ion: 114 Resp: 425775

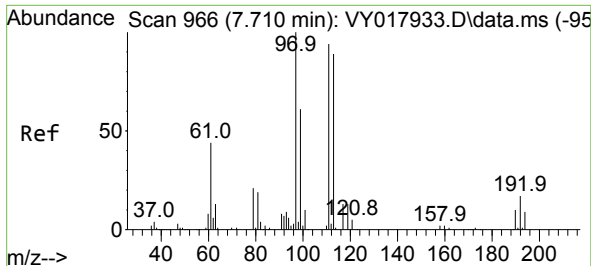
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 14.5 0.0 27.2

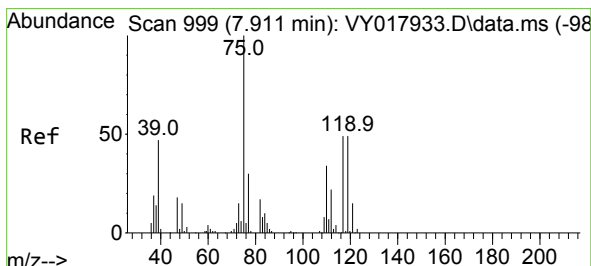
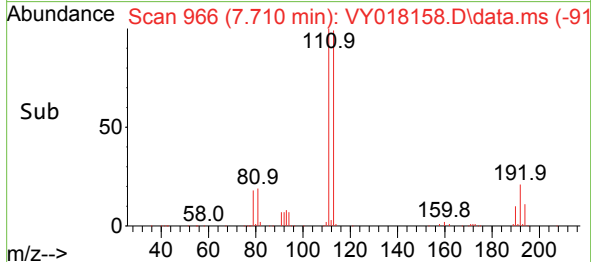
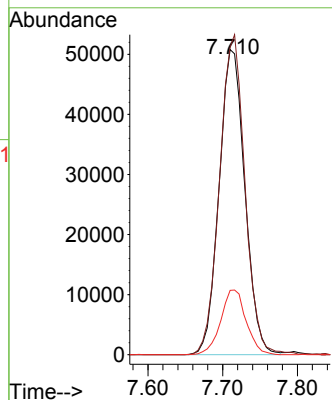
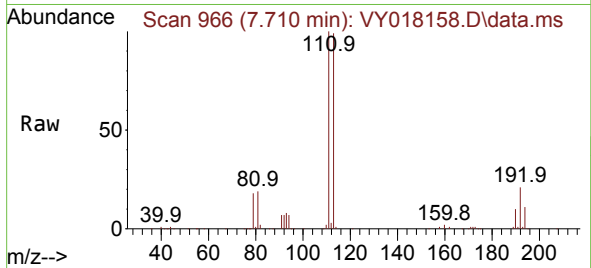




#35
Dibromofluoromethane
Concen: 49.797 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

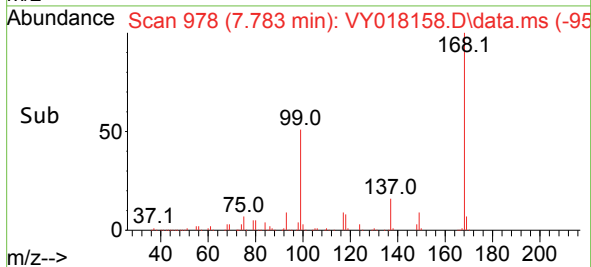
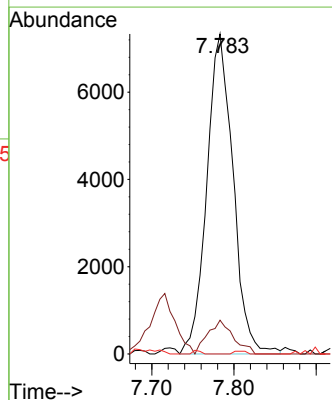
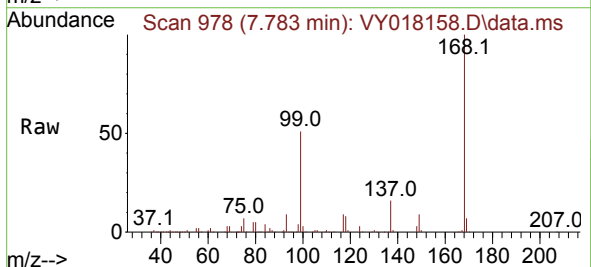
Instrument :
MSVOA_Y
ClientSampleId :

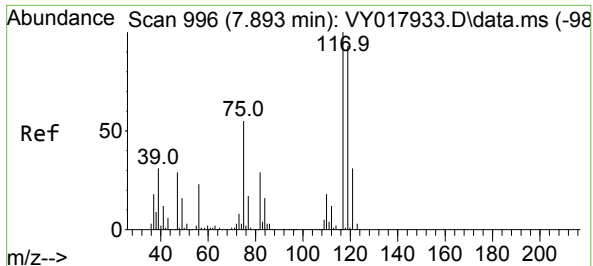
Tgt Ion:113 Resp: 121843
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 21.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.992 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

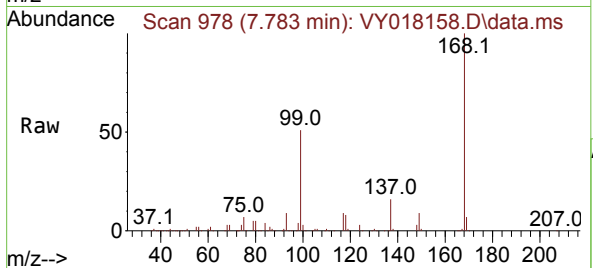
Tgt Ion: 75 Resp: 16304
Ion Ratio Lower Upper
75 100
110 10.2 19.0 57.0#
77 0.4 25.3 37.9#



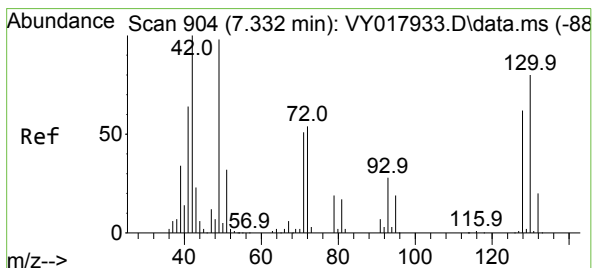
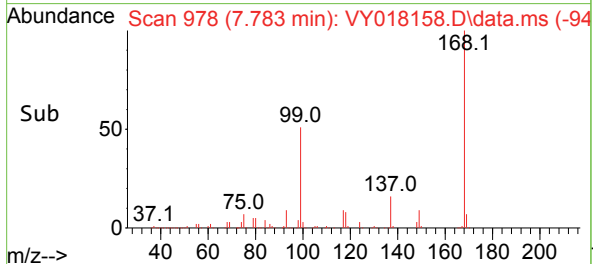
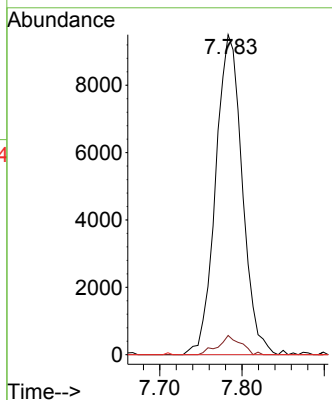


#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

Instrument :
MSVOA_Y
ClientSampleId :

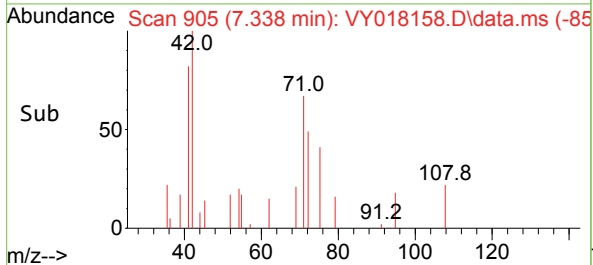
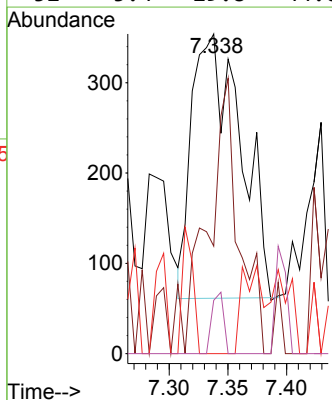
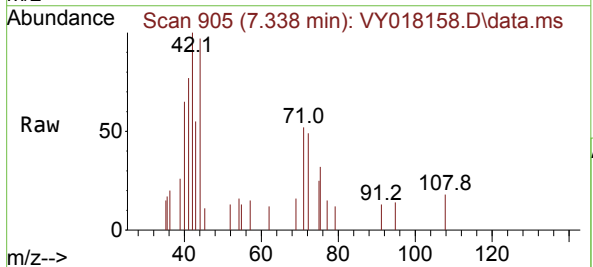


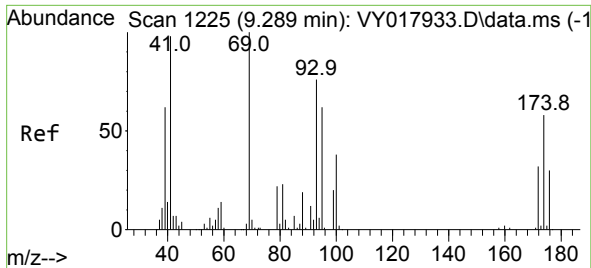
Tgt Ion:117 Resp: 21356
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.013 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.006 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

Tgt Ion: 41 Resp: 849
Ion Ratio Lower Upper
41 100
39 67.7 48.0 72.0
67 0.0 75.1 112.7#
52 5.4 29.8 44.6#





#49

1,4-Dioxane

Concen: 3.237 ug/l

RT: 9.271 min Scan# 1

Delta R.T. -0.030 min

Lab File: VY018158.D

Acq: 06 May 2024 12:59

Instrument :

MSVOA_Y

ClientSampleId :

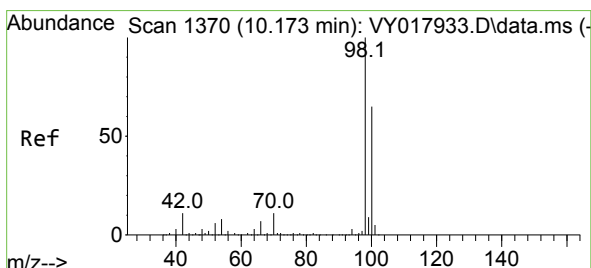
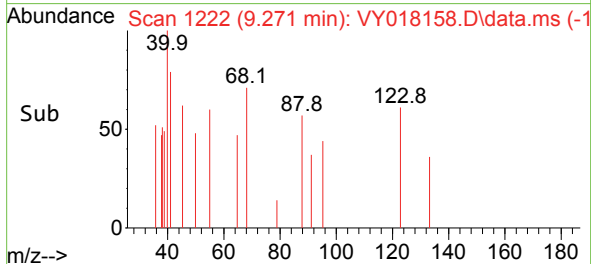
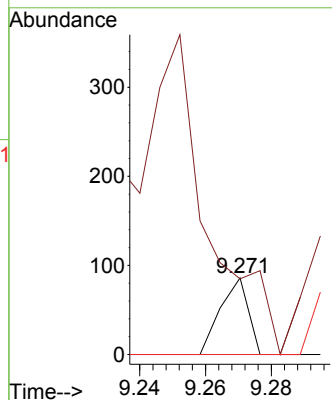
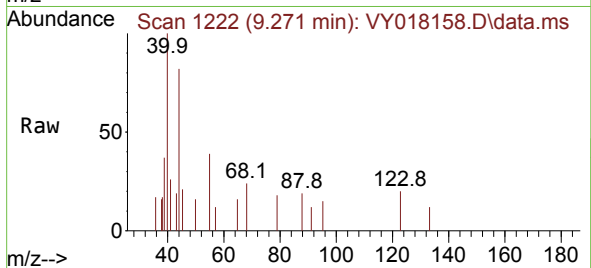
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 798.0 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 49.659 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018158.D

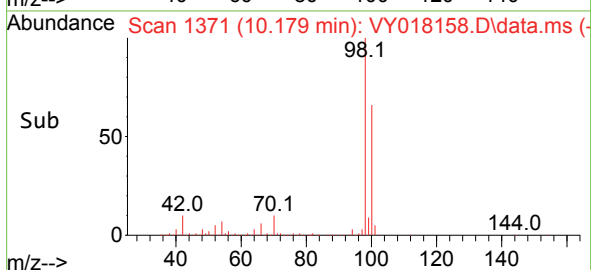
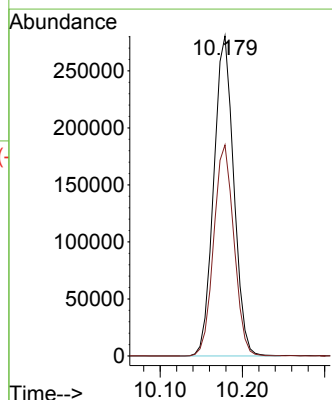
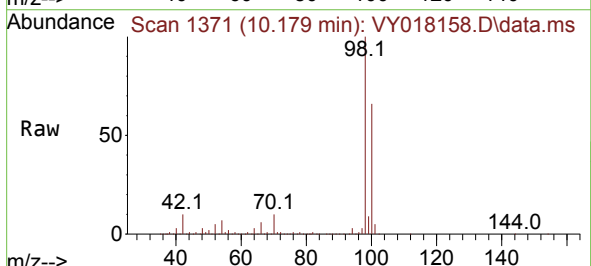
Acq: 06 May 2024 12:59

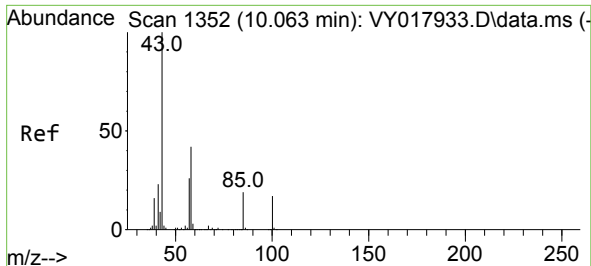
Tgt Ion: 98 Resp: 474353

Ion Ratio Lower Upper

98 100

100 66.6 52.0 78.0

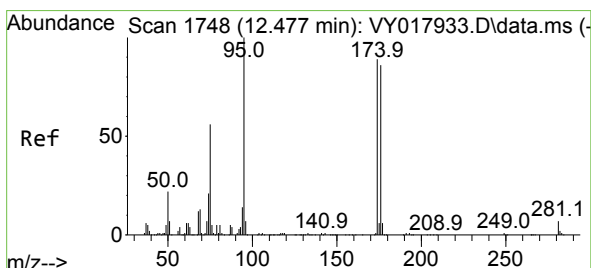
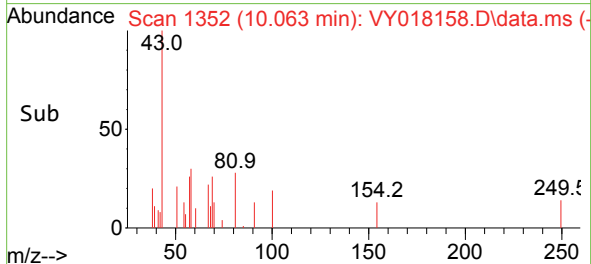
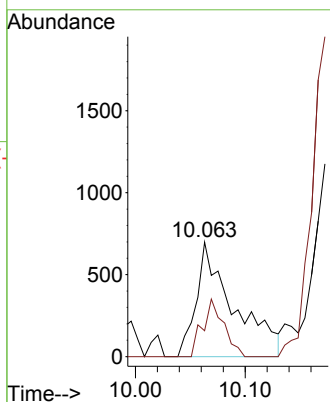
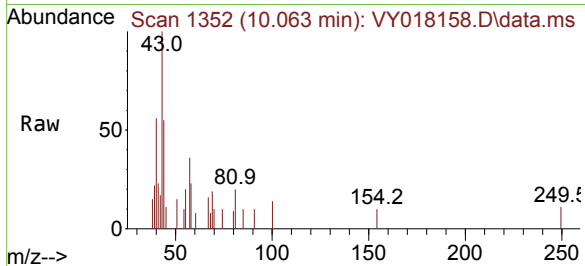




#51
4-Methyl-2-Pentanone
Concen: 1.133 ug/l
RT: 10.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

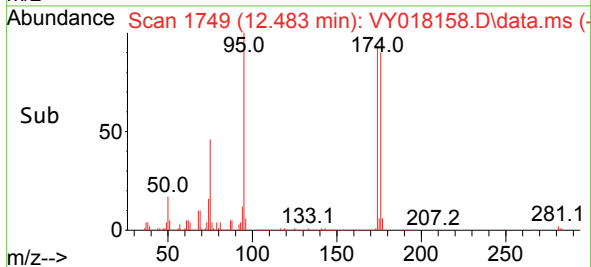
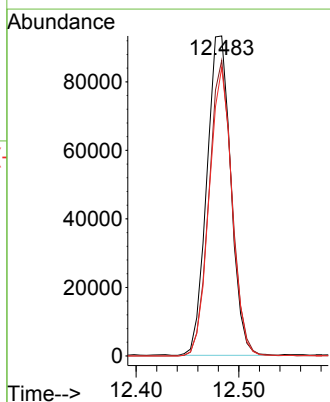
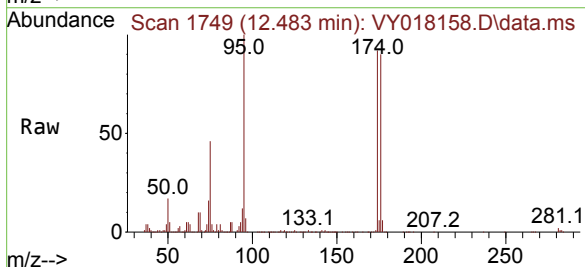
Instrument :
MSVOA_Y
ClientSampleId :

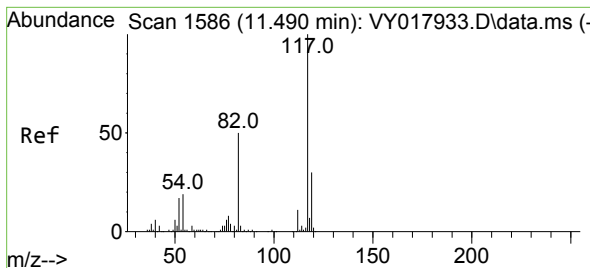
Tgt Ion: 43 Resp: 1653
Ion Ratio Lower Upper
43 100
58 28.3 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 45.960 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

Tgt Ion: 95 Resp: 151084
Ion Ratio Lower Upper
95 100
174 88.7 0.0 175.6
176 86.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY018158.D

Acq: 06 May 2024 12:59

Instrument :

MSVOA_Y

ClientSampleId :

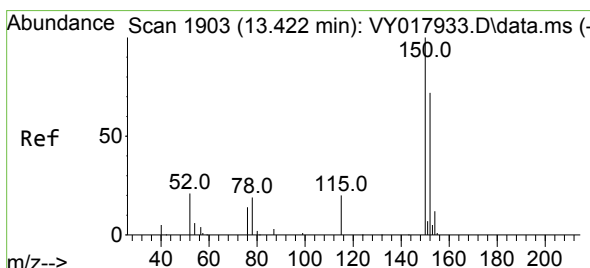
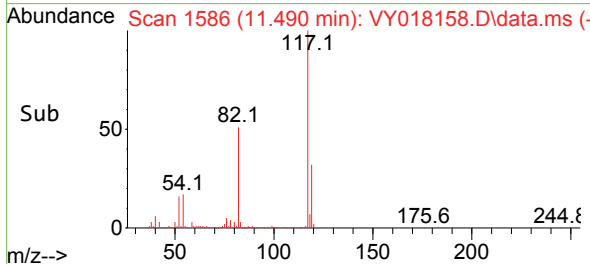
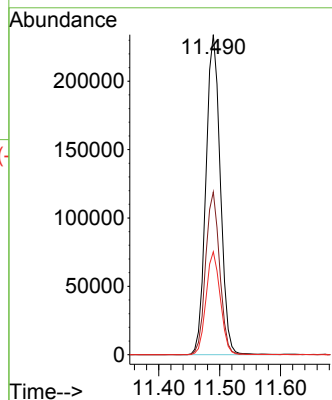
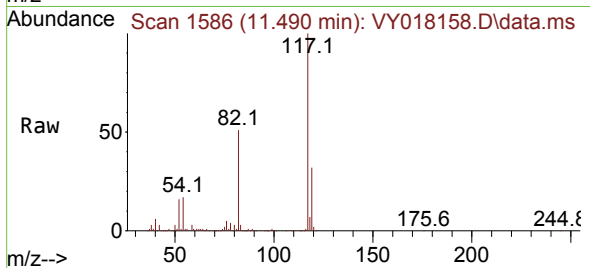
Tgt Ion:117 Resp: 384372

Ion Ratio Lower Upper

117 100

82 50.9 42.4 63.6

119 32.2 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: VY018158.D

Acq: 06 May 2024 12:59

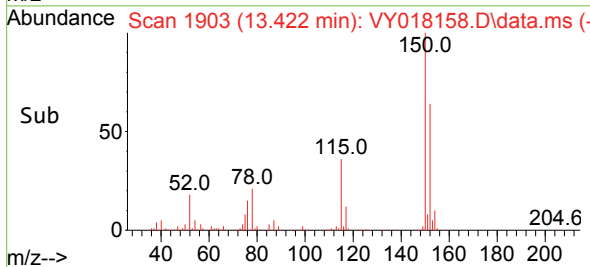
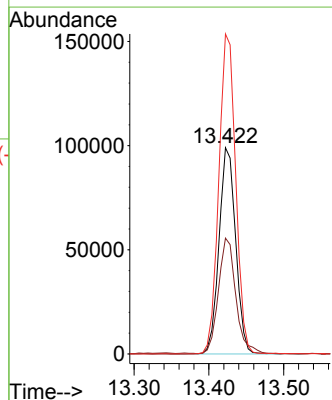
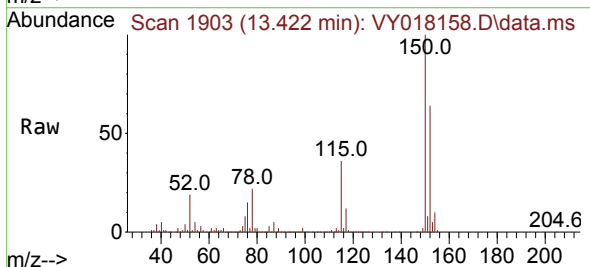
Tgt Ion:152 Resp: 153512

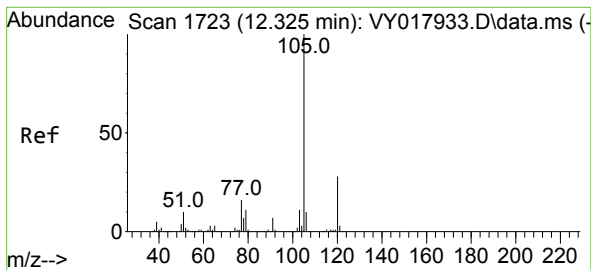
Ion Ratio Lower Upper

152 100

115 58.6 28.2 84.7

150 157.0 0.0 345.6





#73

Isopropylbenzene

Concen: 1.353 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY018158.D

Acq: 06 May 2024 12:59

Instrument :

MSVOA_Y

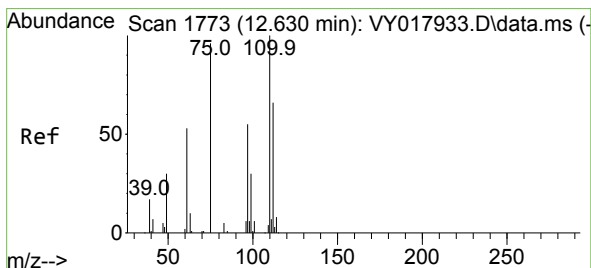
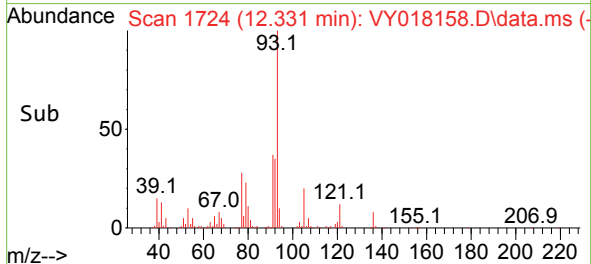
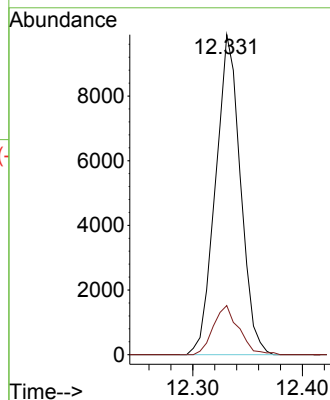
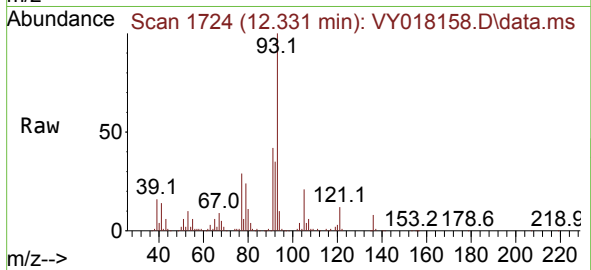
ClientSampleId :

Tgt Ion:105 Resp: 15632

Ion Ratio Lower Upper

105 100

120 15.7 13.4 40.1



#76

1,2,3-Trichloropropane

Concen: 55.885 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY018158.D

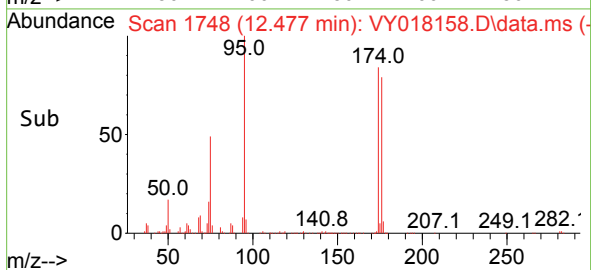
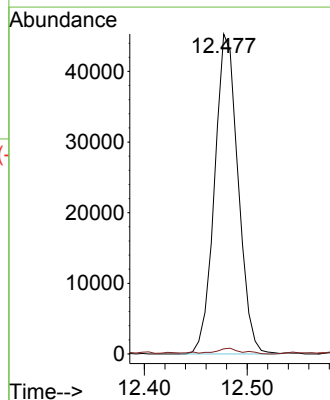
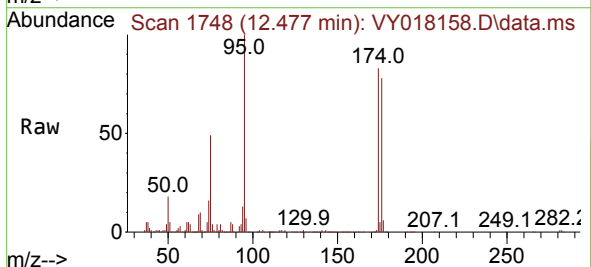
Acq: 06 May 2024 12:59

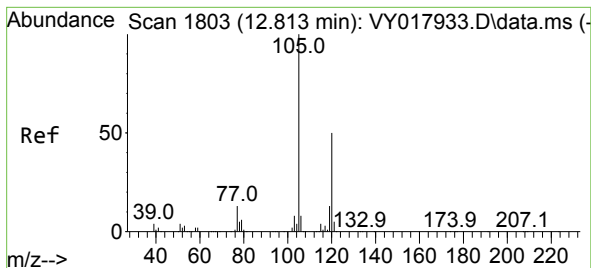
Tgt Ion: 75 Resp: 72000

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 2.030 ug/l

RT: 12.813 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY018158.D

Acq: 06 May 2024 12:59

Instrument :

MSVOA_Y

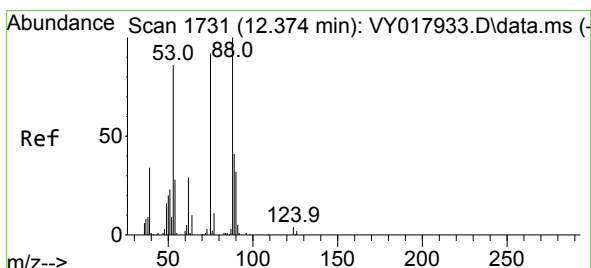
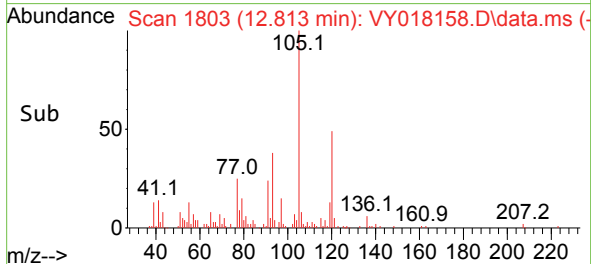
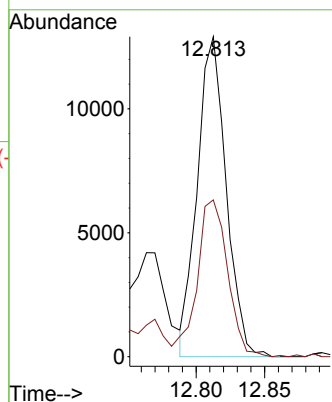
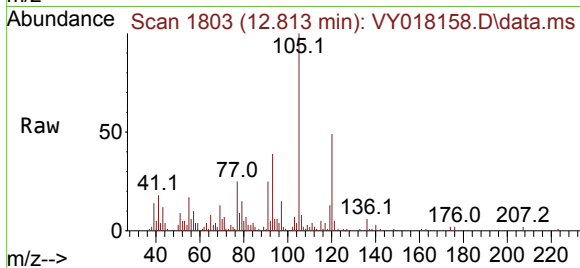
ClientSampleId :

Tgt Ion:105 Resp: 18907

Ion Ratio Lower Upper

105 100

120 51.7 25.1 75.2



#81

trans-1,4-Dichloro-2-butene

Concen: 101.810 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY018158.D

Acq: 06 May 2024 12:59

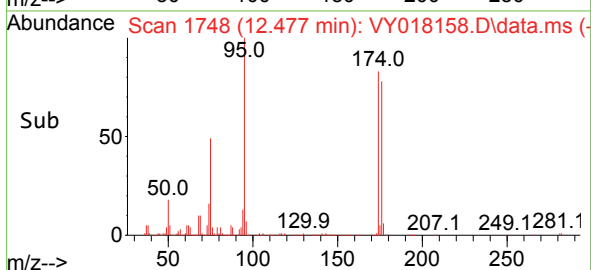
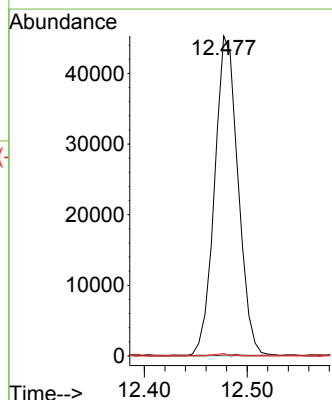
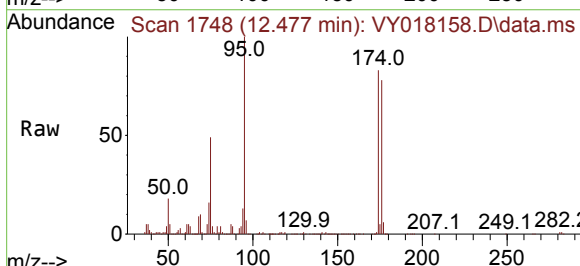
Tgt Ion: 75 Resp: 72000

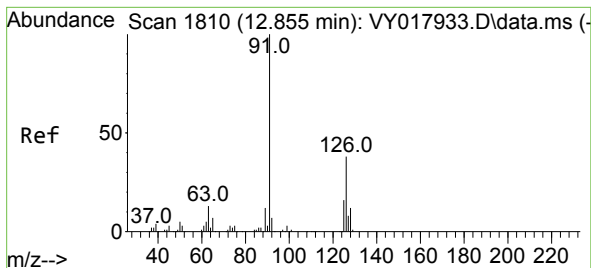
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.4 35.8 53.6#





#82

4-Chlorotoluene

Concen: 1.016 ug/l

RT: 12.806 min Scan# 1810

Delta R.T. -0.049 min

Lab File: VY018158.D

Acq: 06 May 2024 12:59

Instrument :

MSVOA_Y

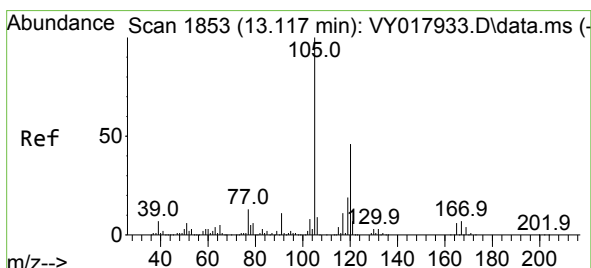
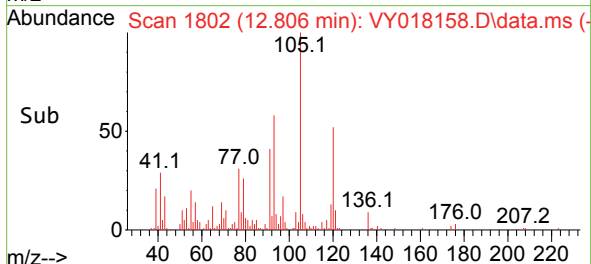
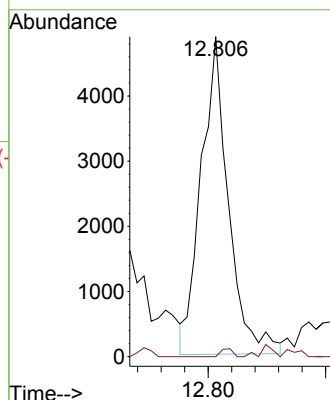
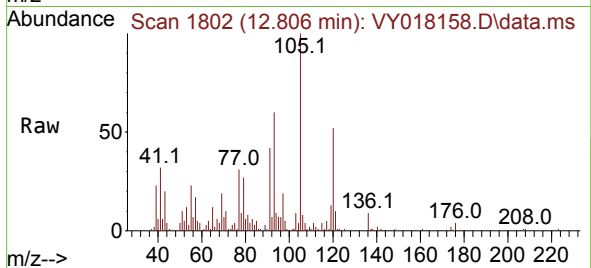
ClientSampleId :

Tgt Ion: 91 Resp: 7869

Ion Ratio Lower Upper

91 100

126 1.1 17.6 52.9#



#84

1,2,4-Trimethylbenzene

Concen: 6.755 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY018158.D

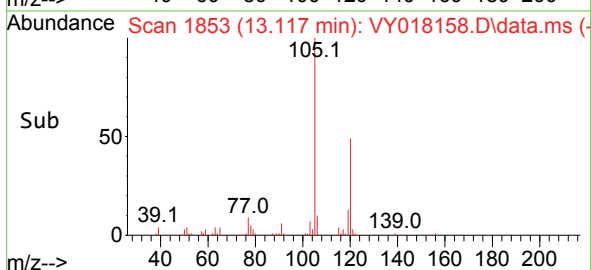
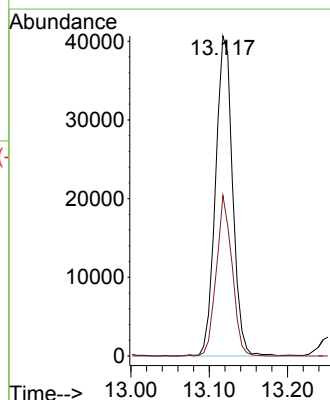
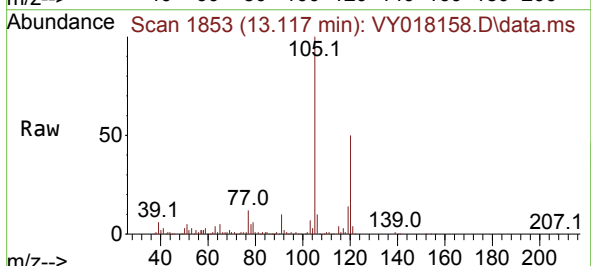
Acq: 06 May 2024 12:59

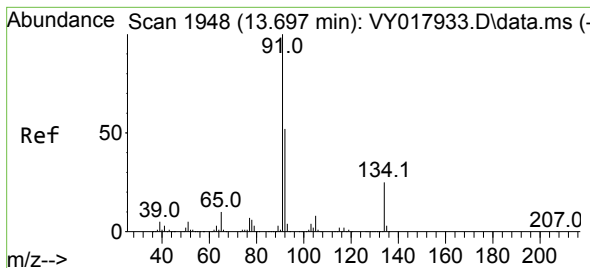
Tgt Ion: 105 Resp: 61618

Ion Ratio Lower Upper

105 100

120 46.3 23.2 69.6





#89

n-Butylbenzene

Concen: 1.710 ug/l

RT: 13.660 min Scan# 1948

Delta R.T. -0.036 min

Lab File: VY018158.D

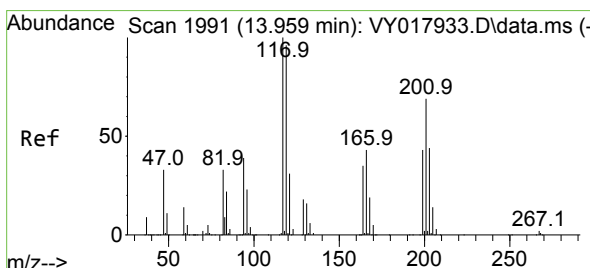
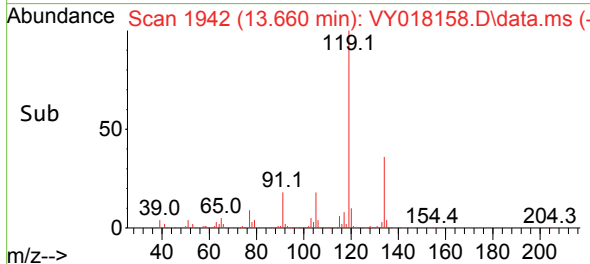
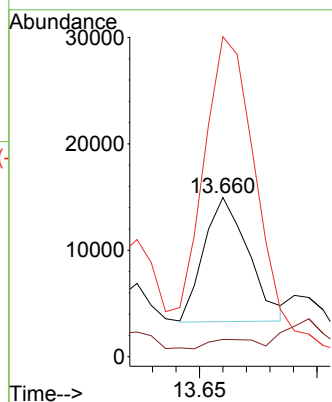
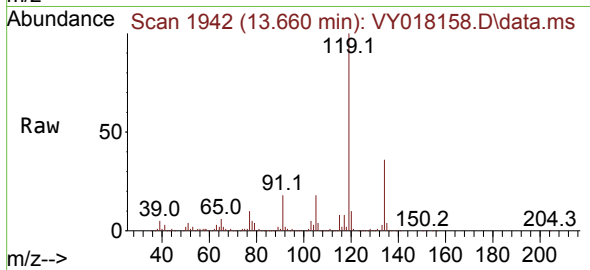
Acq: 06 May 2024 12:59

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91 Resp: 15430
 Ion Ratio Lower Upper
 91 100
 92 15.0 26.6 79.7#
 134 327.6 12.9 38.7#



#90

Hexachloroethane

Concen: 6.512 ug/l

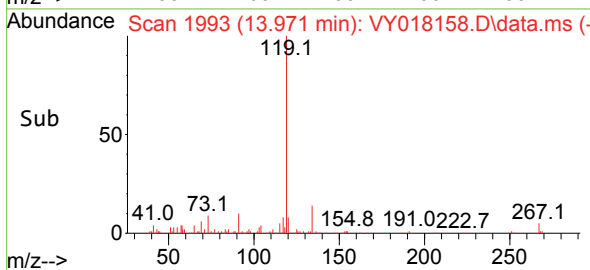
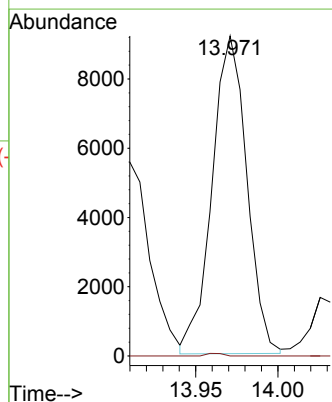
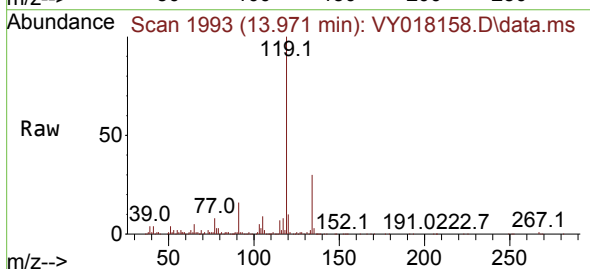
RT: 13.971 min Scan# 1993

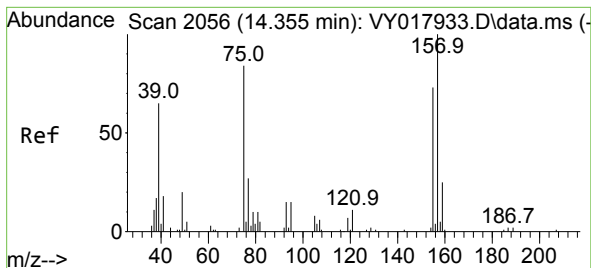
Delta R.T. 0.012 min

Lab File: VY018158.D

Acq: 06 May 2024 12:59

Tgt Ion: 117 Resp: 13489
 Ion Ratio Lower Upper
 117 100
 201 0.4 37.4 112.2#

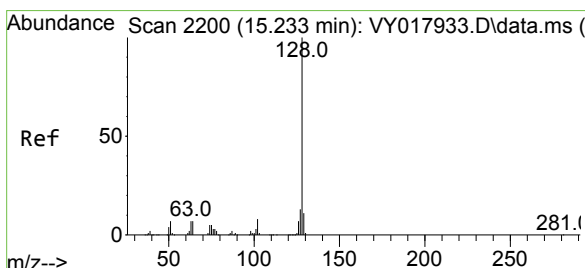
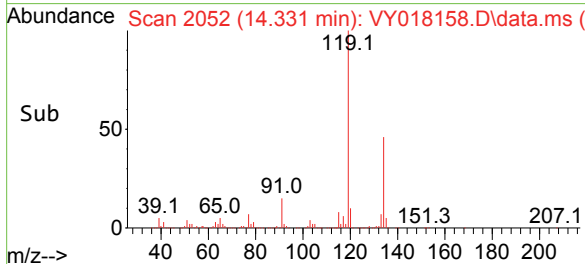
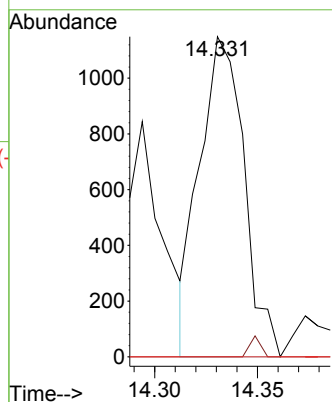
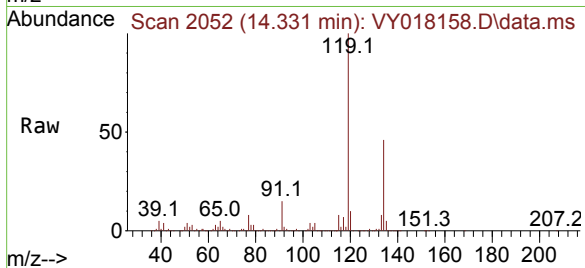




#92
1,2-Dibromo-3-Chloropropane
Concen: 6.217 ug/l
RT: 14.331 min Scan# 2052
Delta R.T. -0.024 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 1724
Ion Ratio Lower Upper
75 100
155 1.6 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 15.591 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY018158.D
Acq: 06 May 2024 12:59

Tgt Ion: 128 Resp: 73408
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.0 8.6 13.0

