

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050124\
 Data File : VY018102.D
 Acq On : 01 May 2024 17:03
 Operator : SY/MD
 Sample : P2309-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 02 05:50:42 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)

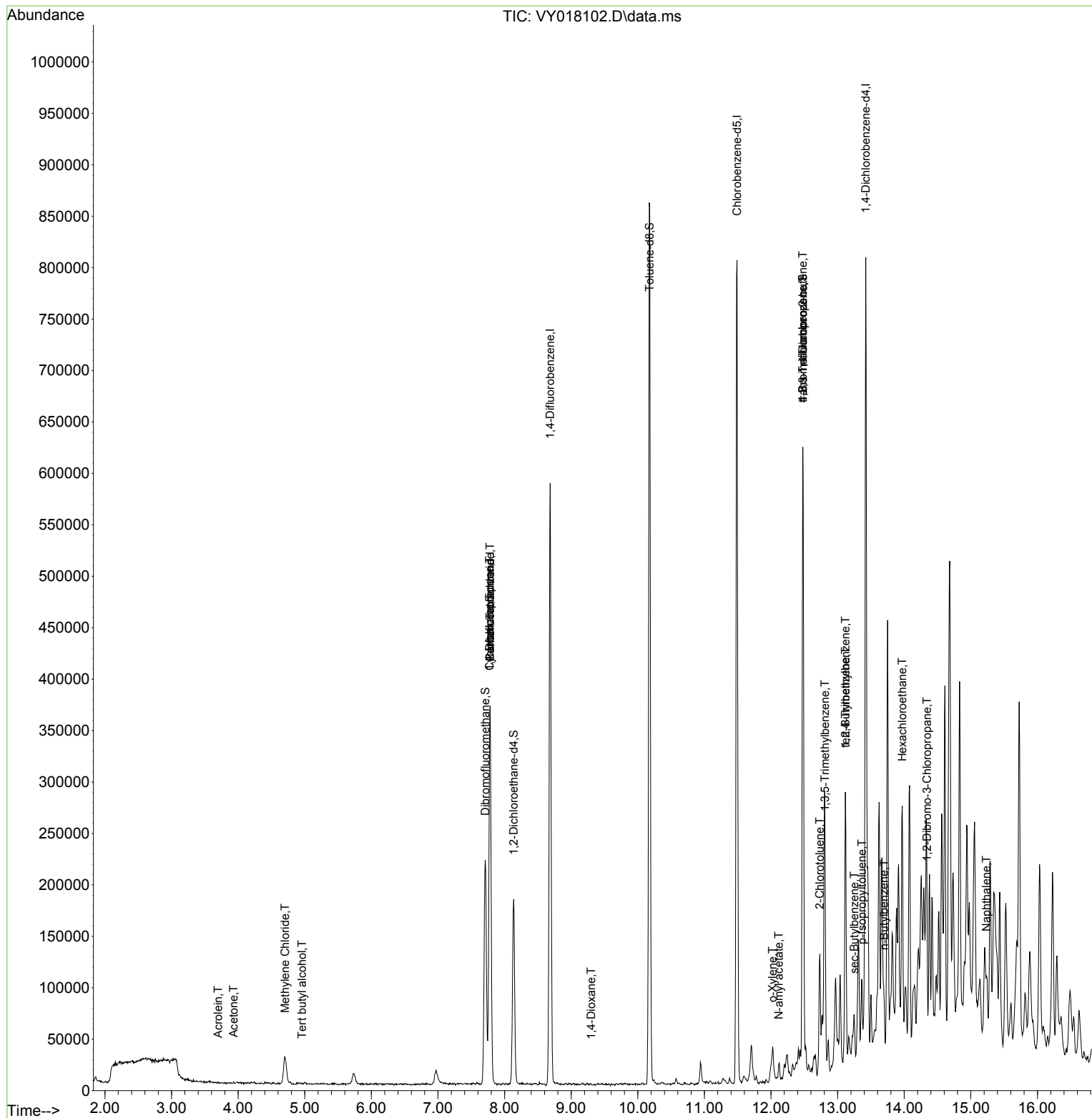
Internal Standards						
1) Pentafluorobenzene	7.783	168	309929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	541575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	477717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	194212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	134352	54.995	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.000%	
35) Dibromofluoromethane	7.710	113	160053	51.426	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.860%	
50) Toluene-d8	10.179	98	588953	48.473	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.940%	
62) 4-Bromofluorobenzene	12.477	95	191127	45.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	355	1.783	ug/l #	1
13) Acrolein	3.698	56	397	1.340	ug/l	96
16) Acetone	3.930	43	2250	4.835	ug/l #	54
20) Methylene Chloride	4.704	84	23252	7.130	ug/l	87
31) Cyclohexane	7.777	56	5646	1.206	ug/l #	11
36) 1,1-Dichloropropene	7.777	75	20569	4.951	ug/l #	52
38) Carbon Tetrachloride	7.783	117	27767	5.889	ug/l #	17
49) 1,4-Dioxane	9.301	88	29	1.476	ug/l #	1
69) o-Xylene	12.026	106	7825	1.202	ug/l	88
74) N-amyl acetate	12.117	43	3821	1.191	ug/l #	45
76) 1,2,3-Trichloropropane	12.477	75	91382	56.065	ug/l #	100
79) 2-Chlorotoluene	12.733	91	11603	1.214	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.812	105	42989	3.649	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.477	75	91382	102.138	ug/l #	16
83) tert-Butylbenzene	13.117	119	17066	1.582	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.117	105	138250	11.979	ug/l	99
85) sec-Butylbenzene	13.251	105	19617	1.267	ug/l	85
86) p-Isopropyltoluene	13.367	119	13195	1.023	ug/l	96
89) n-Butylbenzene	13.696	91	20906	1.832	ug/l #	70
90) Hexachloroethane	13.971	117	9048	3.453	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.343	75	1184	3.375	ug/l #	1
95) Naphthalene	15.233	128	24307	4.081	ug/l #	88

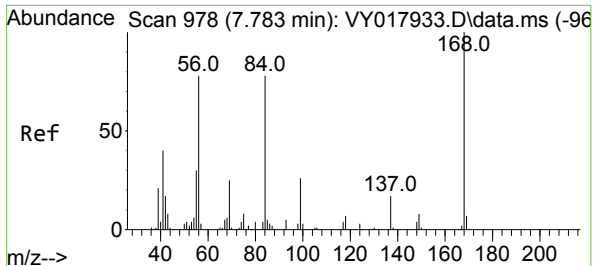
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050124\
Data File : VY018102.D
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Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 02 05:50:42 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

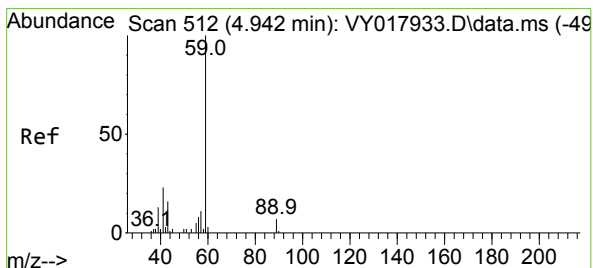
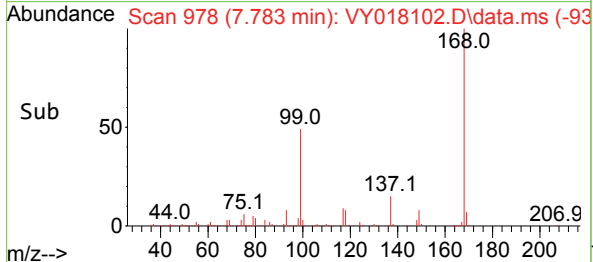
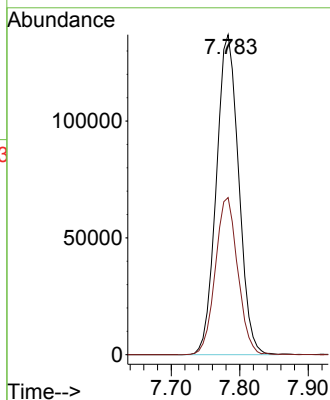
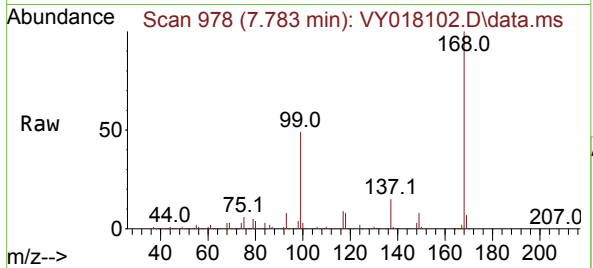




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

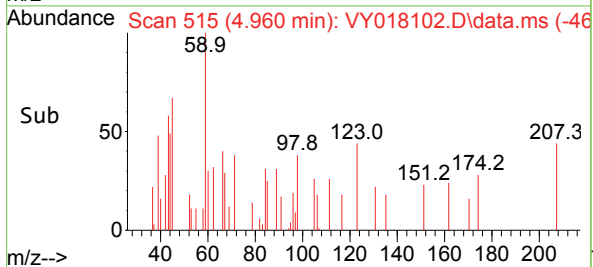
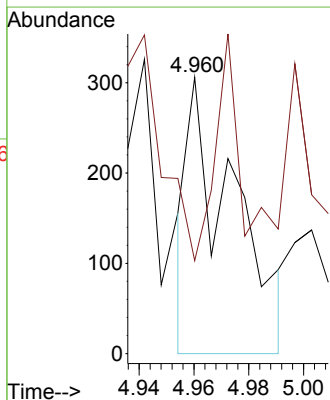
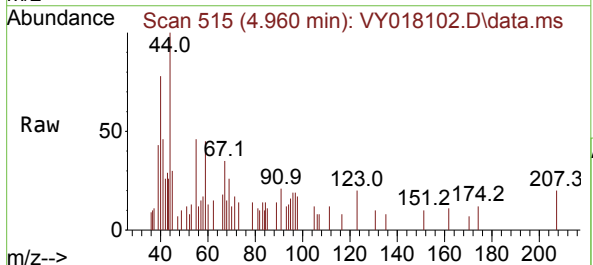
Instrument :
MSVOA_Y
ClientSampleId :

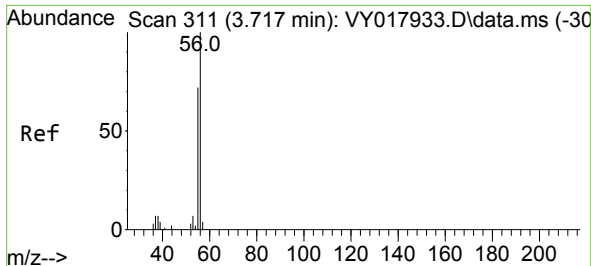
Tgt Ion:168 Resp: 309929
Ion Ratio Lower Upper
168 100
99 49.1 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.783 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

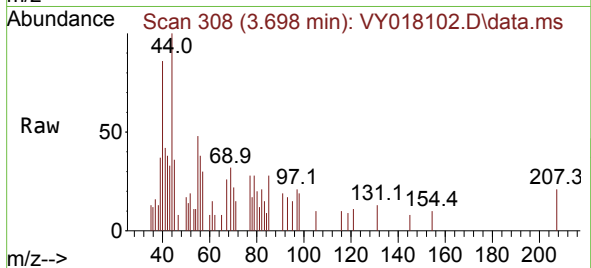
Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 46.5 3.0 4.6#



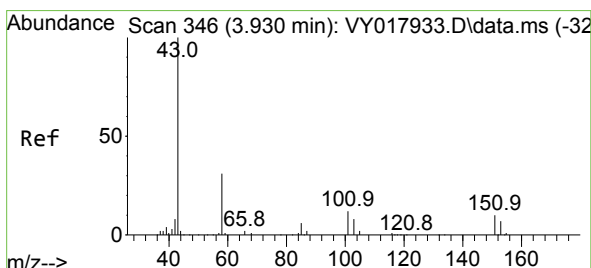
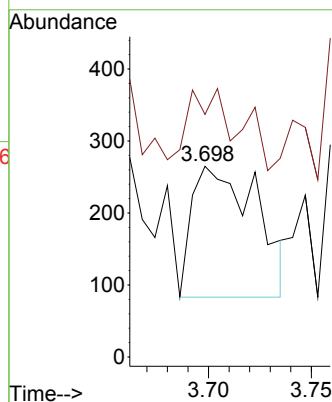
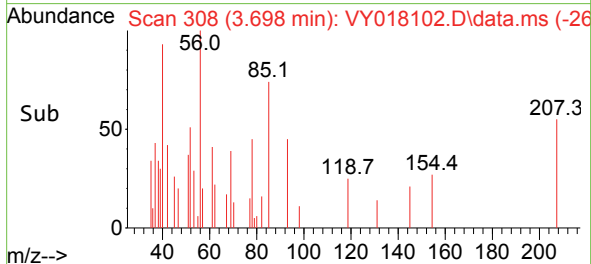


#13
Acrolein
Concen: 1.340 ug/l
RT: 3.698 min Scan# 308
Delta R.T. -0.031 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

Instrument :
MSVOA_Y
ClientSampleId :

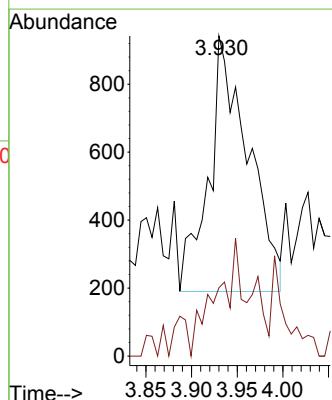
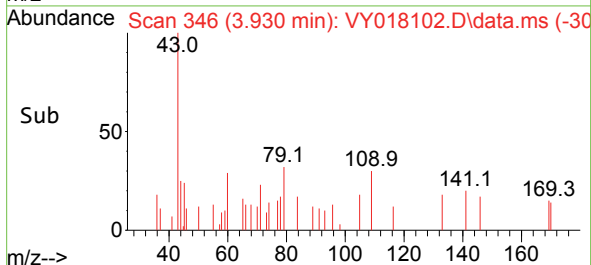
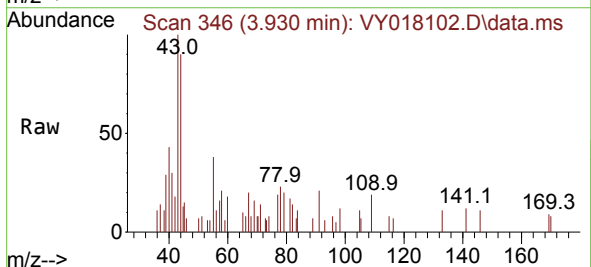


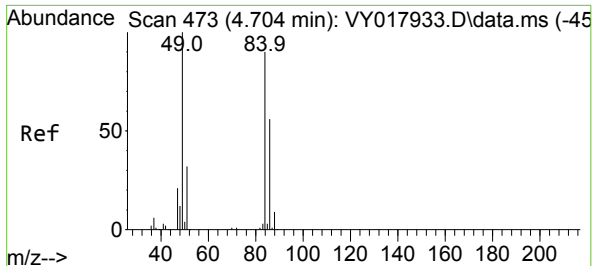
Tgt Ion: 56 Resp: 397
Ion Ratio Lower Upper
56 100
55 66.0 55.7 83.5



#16
Acetone
Concen: 4.835 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.018 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

Tgt Ion: 43 Resp: 2250
Ion Ratio Lower Upper
43 100
58 11.2 31.7 47.5#





#20

Methylene Chloride

Concen: 7.130 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.012 min

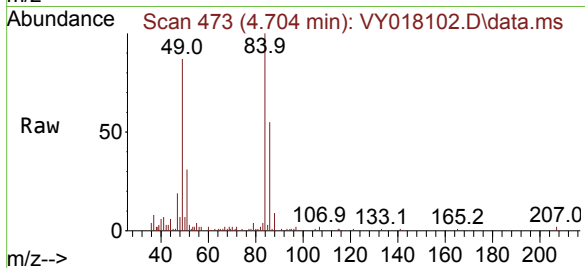
Lab File: VY018102.D

Acq: 01 May 2024 17:03

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 23252

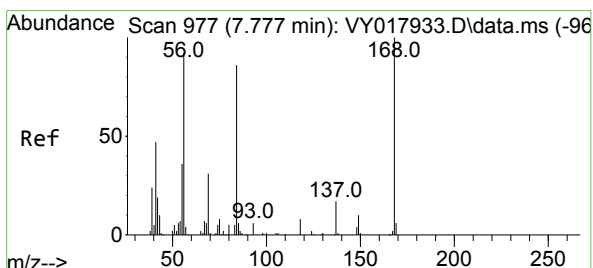
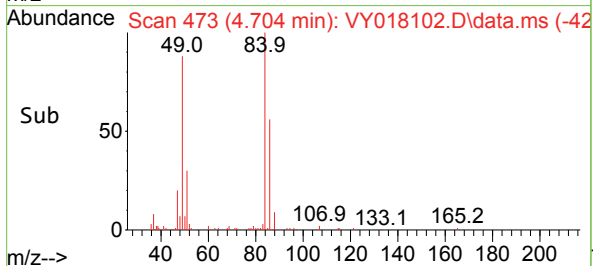
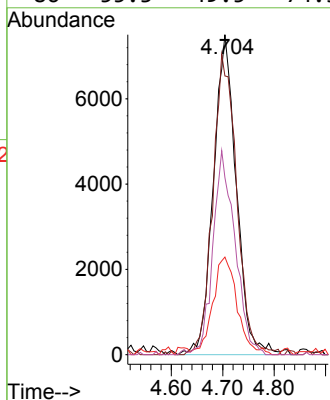
Ion Ratio Lower Upper

84 100

49 87.1 84.4 126.6

51 30.5 26.0 39.0

86 55.3 49.5 74.3



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

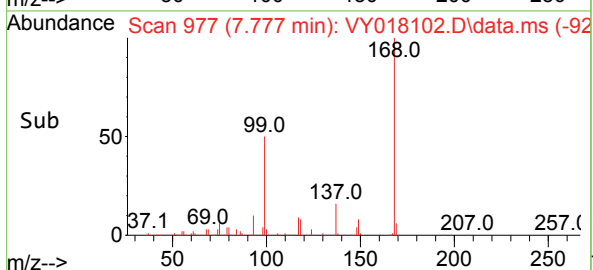
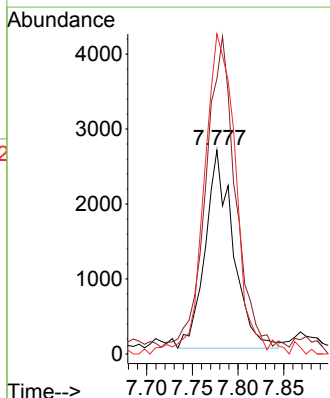
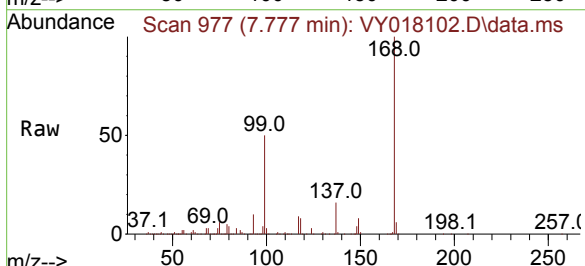
Tgt Ion: 56 Resp: 5646

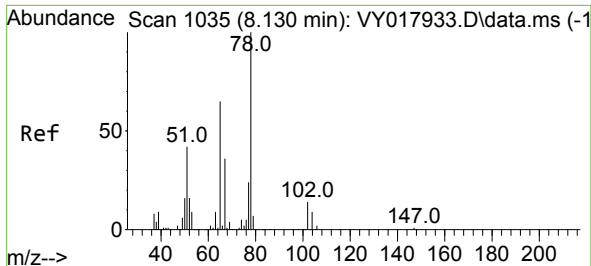
Ion Ratio Lower Upper

56 100

69 132.4 28.7 43.1#

84 157.5 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.995 ug/l

RT: 8.136 min Scan# 1035

Delta R.T. -0.006 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

Instrument :

MSVOA_Y

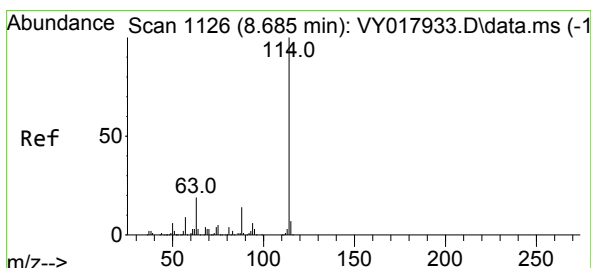
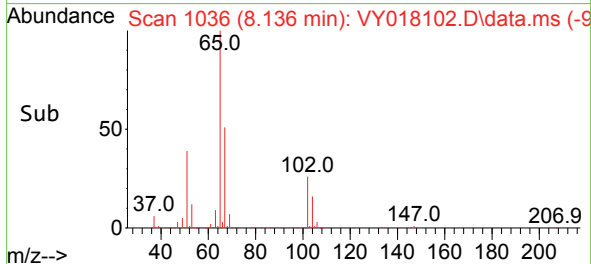
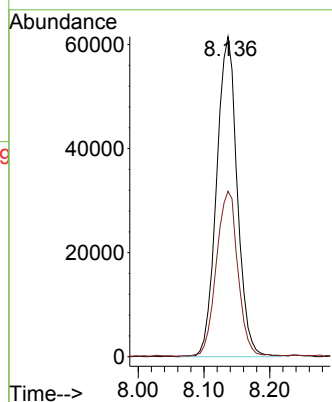
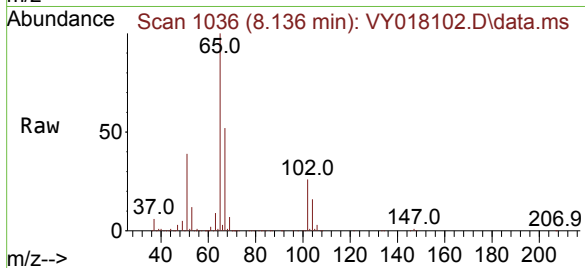
ClientSampleId :

Tgt Ion: 65 Resp: 134352

Ion Ratio Lower Upper

65 100

67 53.7 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: VY018102.D

Acq: 01 May 2024 17:03

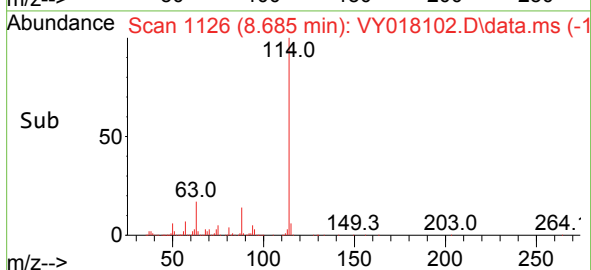
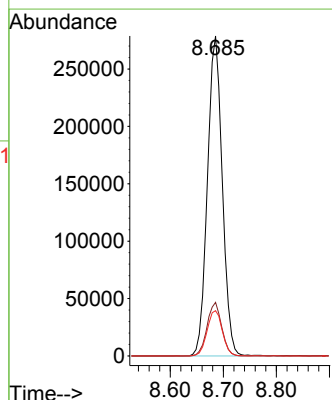
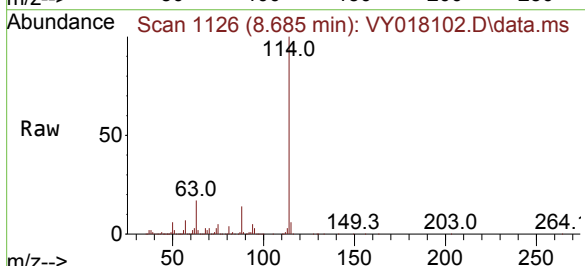
Tgt Ion: 114 Resp: 541575

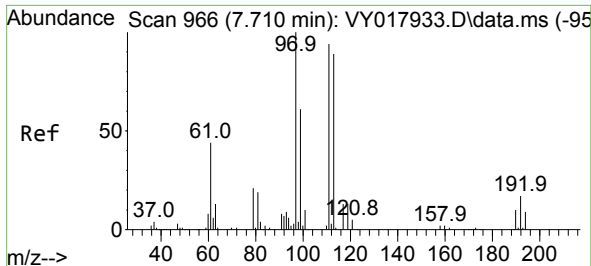
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.0

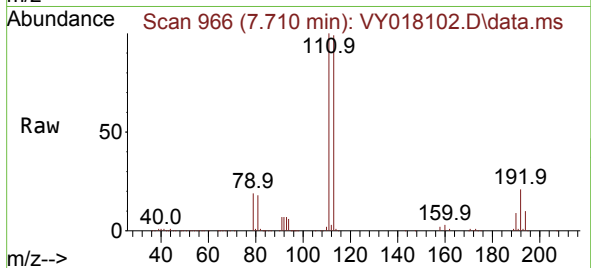
88 14.2 0.0 27.2



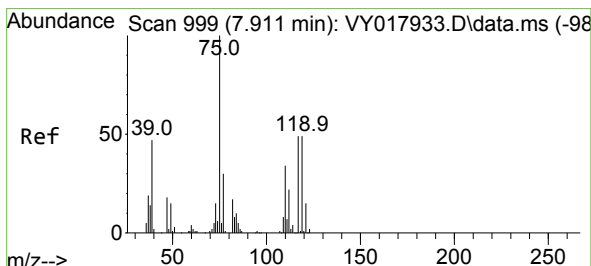
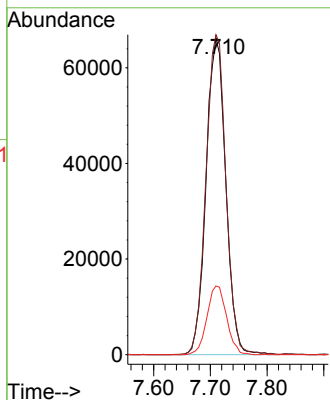
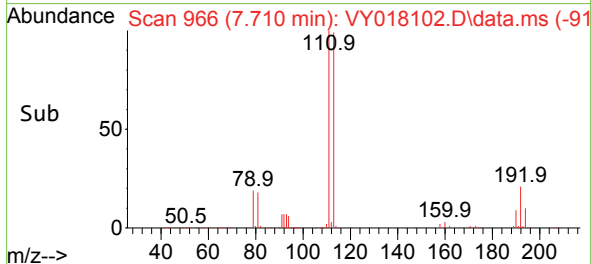


#35
Dibromofluoromethane
Concen: 51.426 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

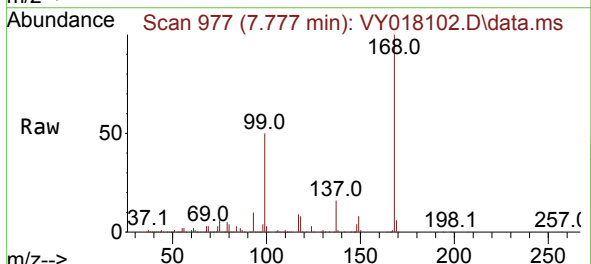
Instrument :
MSVOA_Y
ClientSampleId :



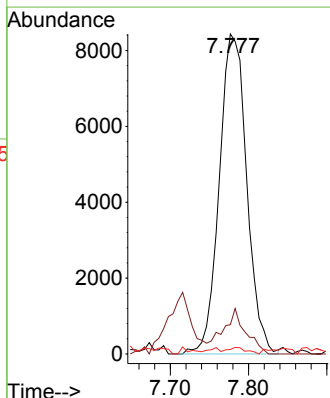
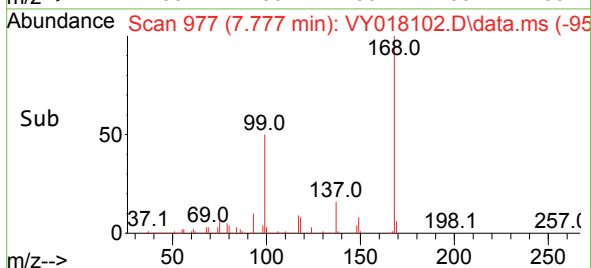
Tgt Ion:113 Resp: 160053
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 21.6 15.9 23.9

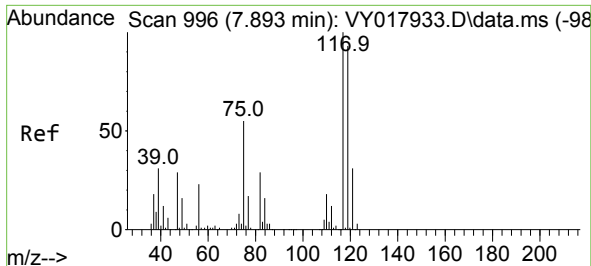


#36
1,1-Dichloropropene
Concen: 4.951 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03



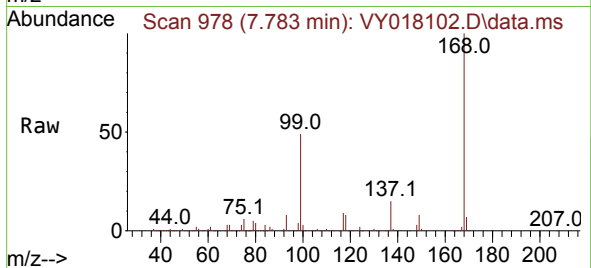
Tgt Ion: 75 Resp: 20569
Ion Ratio Lower Upper
75 100
110 11.9 19.0 57.0#
77 1.4 25.3 37.9#



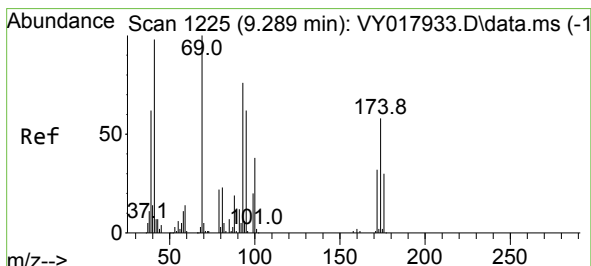
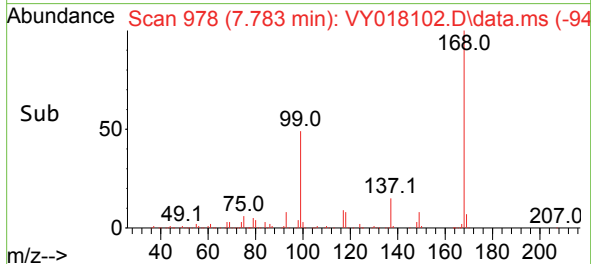
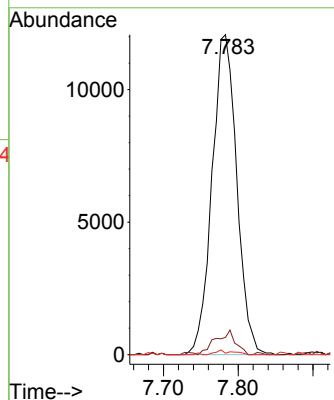


#38
Carbon Tetrachloride
Concen: 5.889 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

Instrument :
MSVOA_Y
ClientSampleId :

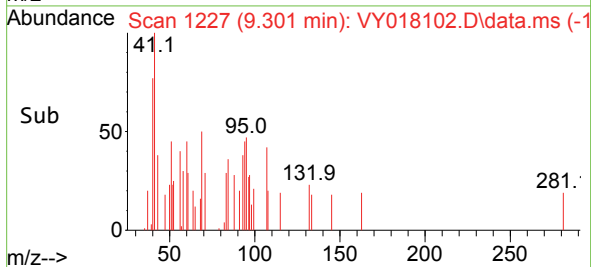
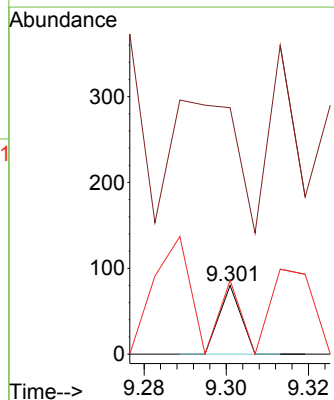
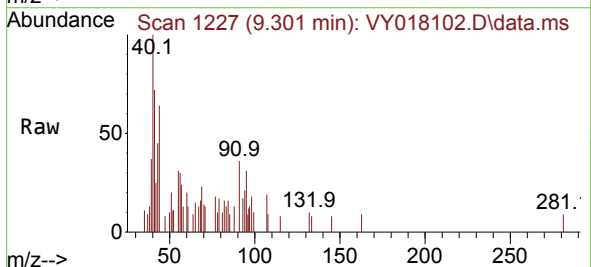


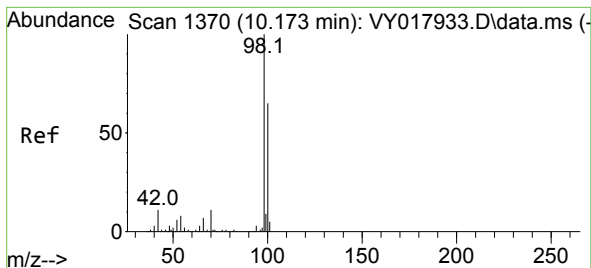
Tgt Ion:117 Resp: 27767
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.5 24.0 36.0#



#49
1,4-Dioxane
Concen: 1.476 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 327.6 0.0 0.0#
58 241.4 49.3 73.9#

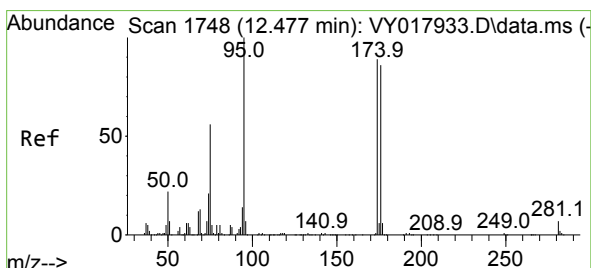
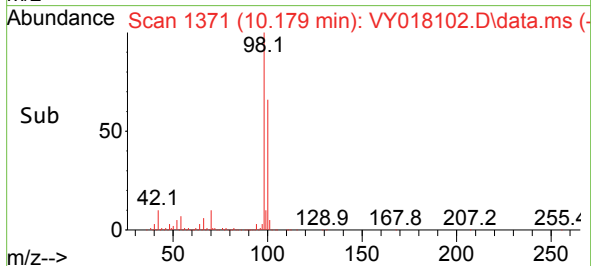
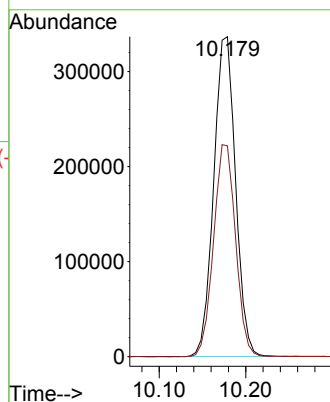
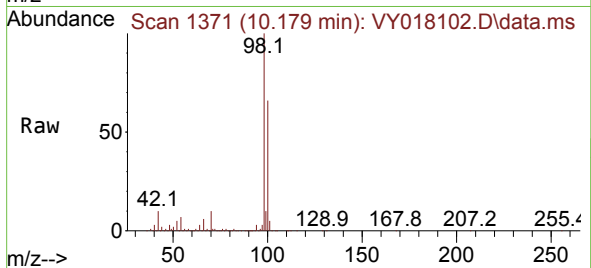




#50
Toluene-d8
Concen: 48.473 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

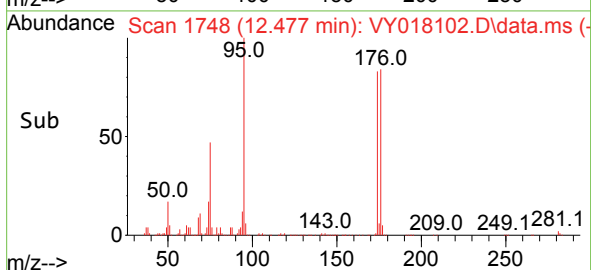
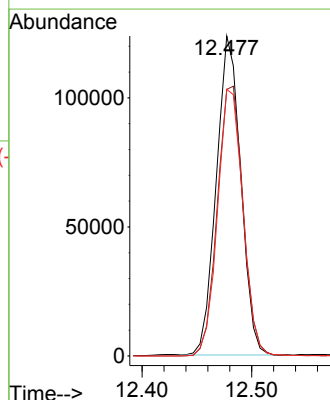
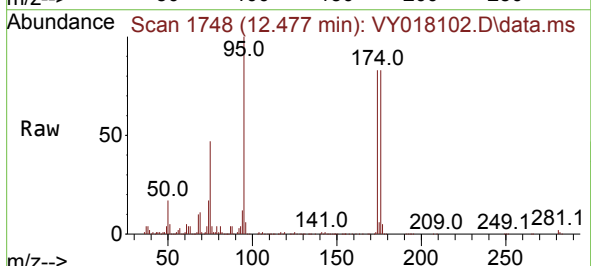
Instrument :
MSVOA_Y
ClientSampleId :

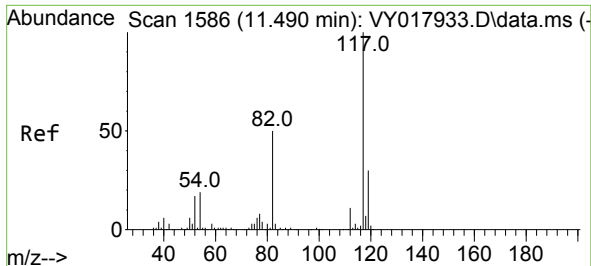
Tgt Ion: 98 Resp: 588953
Ion Ratio Lower Upper
98 100
100 67.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.709 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

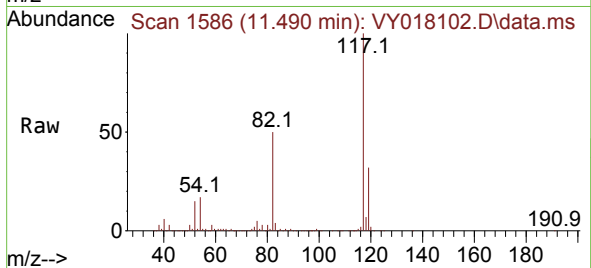
Tgt Ion: 95 Resp: 191127
Ion Ratio Lower Upper
95 100
174 89.5 0.0 175.6
176 87.1 0.0 171.4



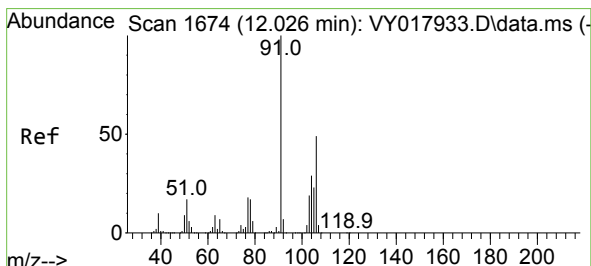
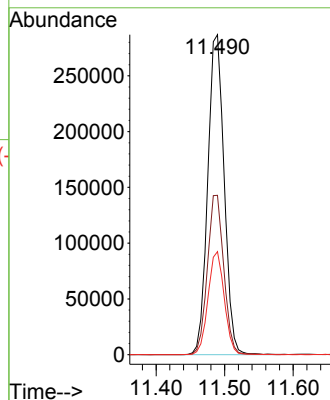
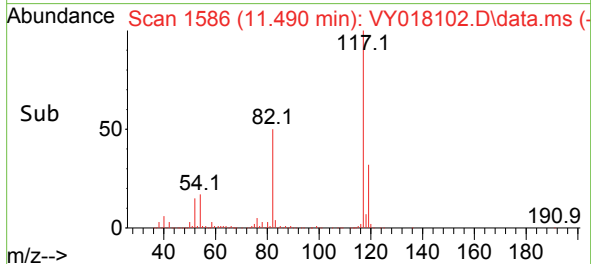


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

Instrument :
MSVOA_Y
ClientSampleId :

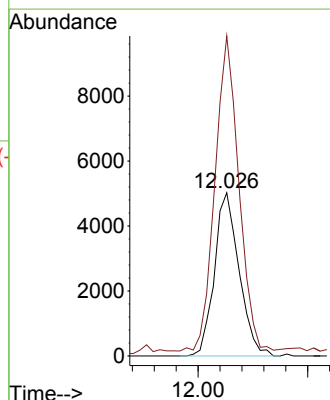
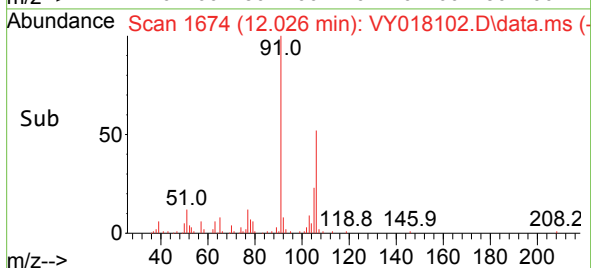
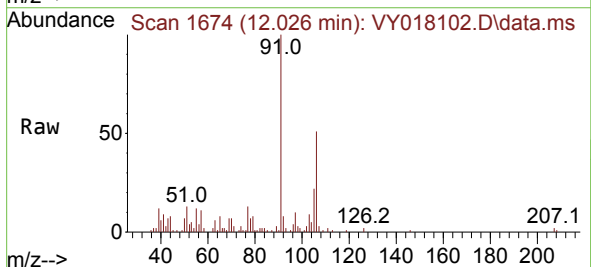


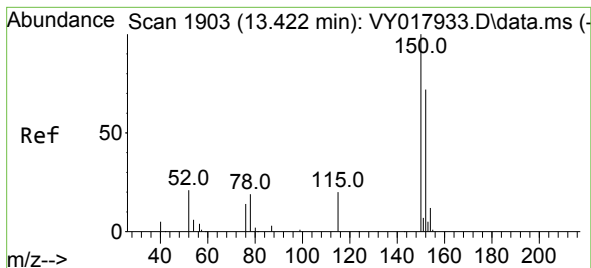
Tgt Ion:117 Resp: 477717
Ion Ratio Lower Upper
117 100
82 49.7 42.4 63.6
119 32.2 25.9 38.9



#69
o-Xylene
Concen: 1.202 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

Tgt Ion:106 Resp: 7825
Ion Ratio Lower Upper
106 100
91 188.1 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

Instrument :

MSVOA_Y

ClientSampleId :

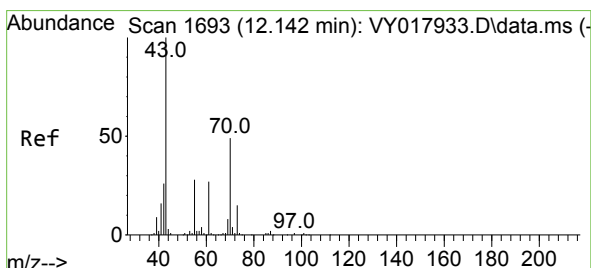
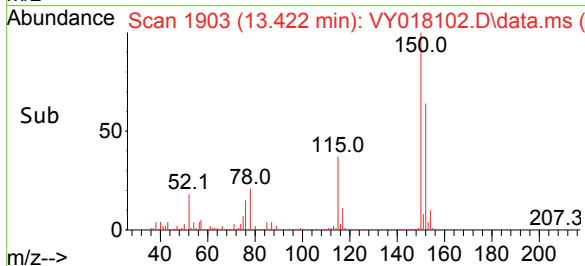
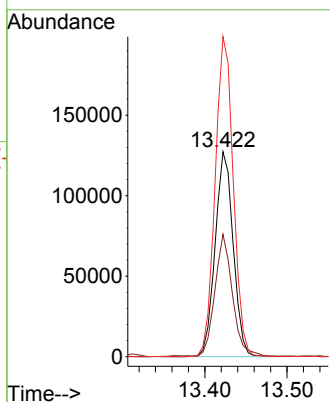
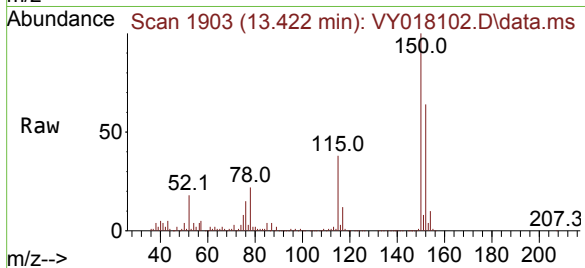
Tgt Ion:152 Resp: 194212

Ion Ratio Lower Upper

152 100

115 57.9 28.2 84.7

150 156.8 0.0 345.6



#74

N-ethyl acetate

Concen: 1.191 ug/l

RT: 12.117 min Scan# 1689

Delta R.T. -0.025 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

Tgt Ion: 43 Resp: 3821

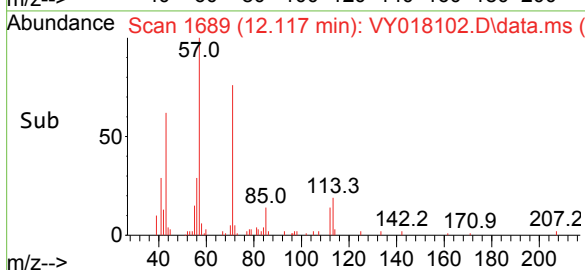
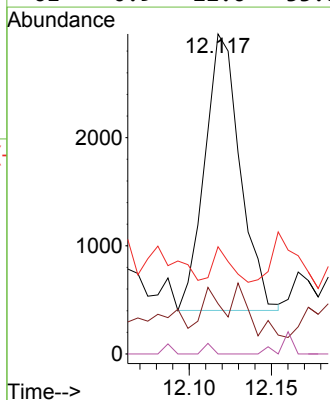
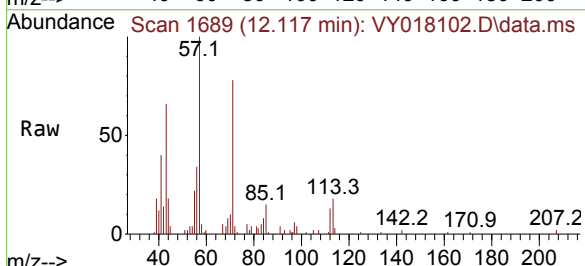
Ion Ratio Lower Upper

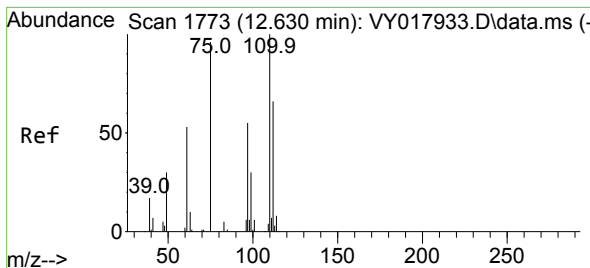
43 100

70 7.4 41.4 62.2#

55 6.1 23.3 34.9#

61 0.9 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 56.065 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.159 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

Instrument :

MSVOA_Y

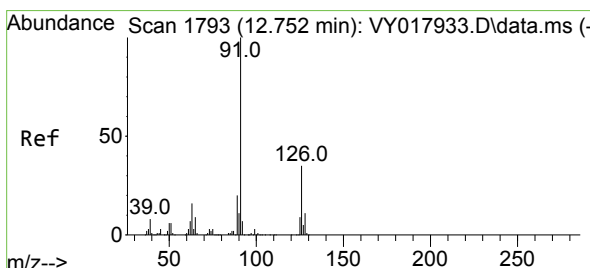
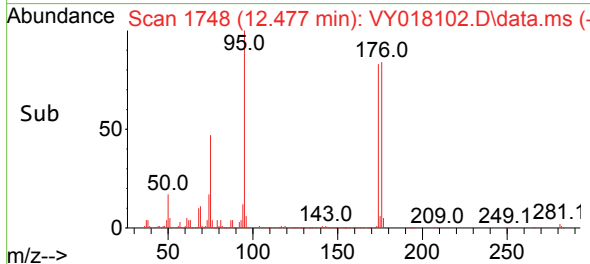
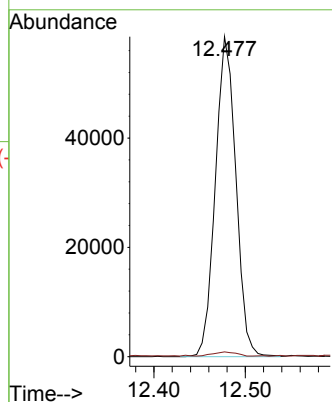
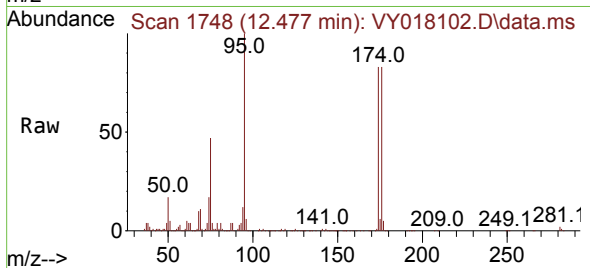
ClientSampleId :

Tgt Ion: 75 Resp: 91382

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#79

2-Chlorotoluene

Concen: 1.214 ug/l

RT: 12.733 min Scan# 1790

Delta R.T. -0.024 min

Lab File: VY018102.D

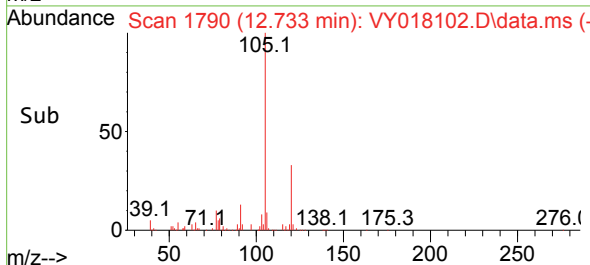
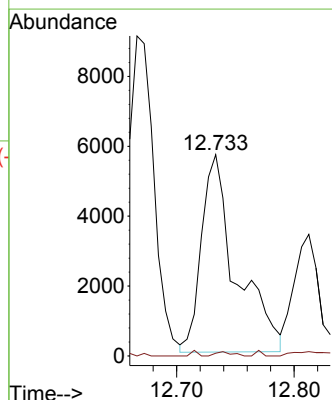
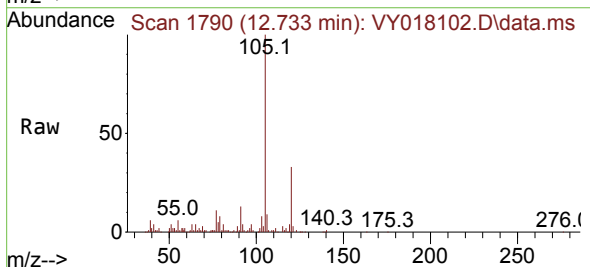
Acq: 01 May 2024 17:03

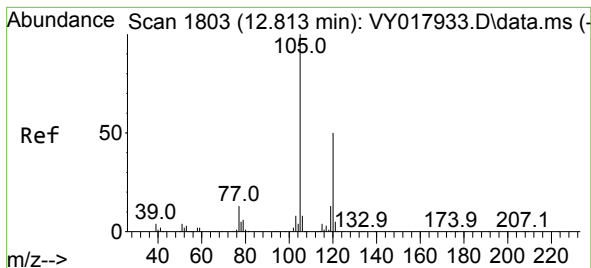
Tgt Ion: 91 Resp: 11603

Ion Ratio Lower Upper

91 100

126 1.0 17.8 53.5#





#80

1,3,5-Trimethylbenzene

Concen: 3.649 ug/l

RT: 12.812 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

Instrument :

MSVOA_Y

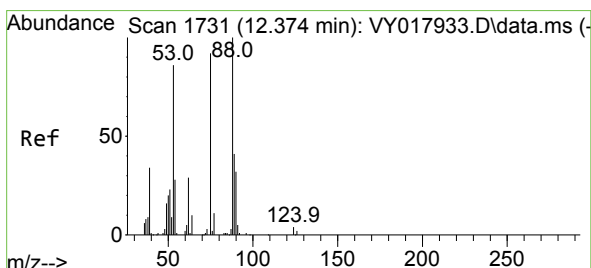
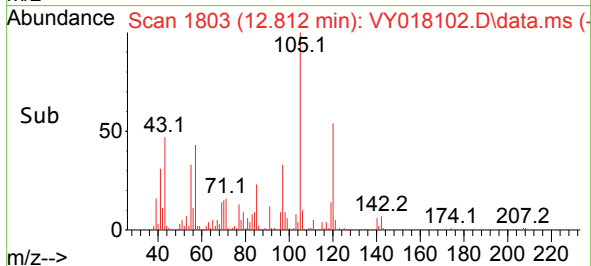
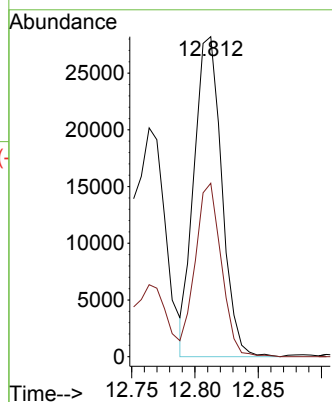
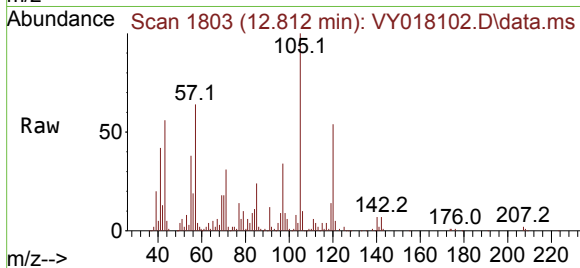
ClientSampleId :

Tgt Ion:105 Resp: 42989

Ion Ratio Lower Upper

105 100

120 51.2 25.1 75.2



#81

trans-1,4-Dichloro-2-butene

Concen: 102.138 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

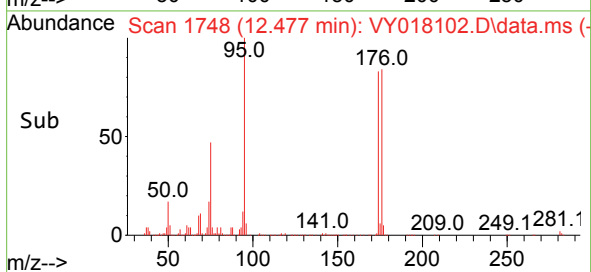
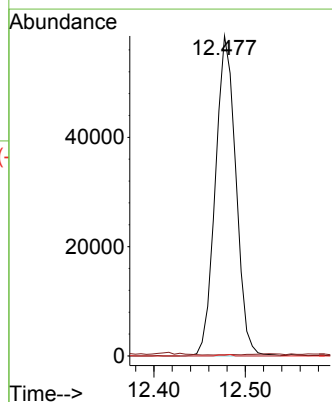
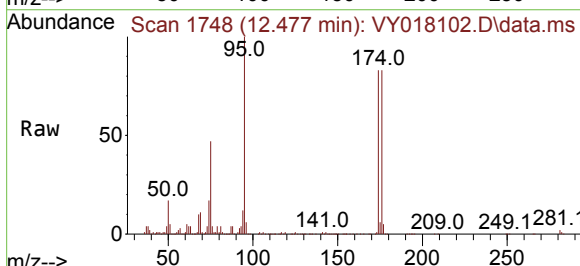
Tgt Ion: 75 Resp: 91382

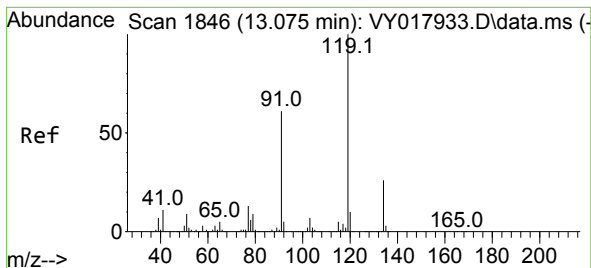
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.2 35.8 53.6#





#83

tert-Butylbenzene

Concen: 1.582 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.043 min

Lab File: VY018102.D

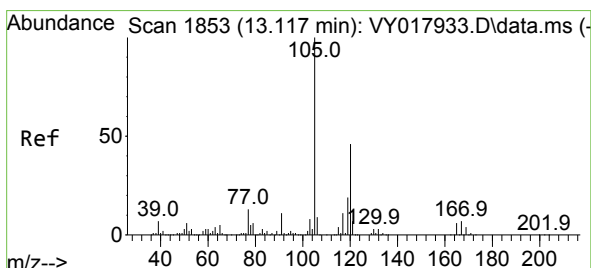
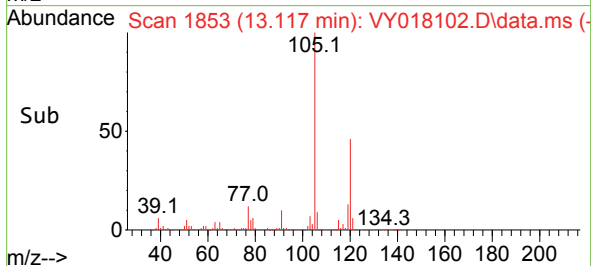
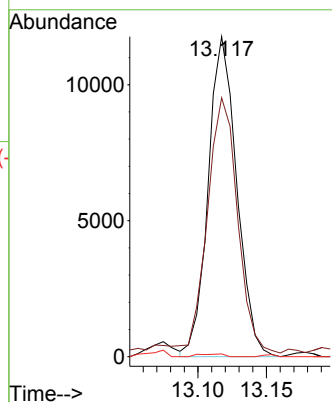
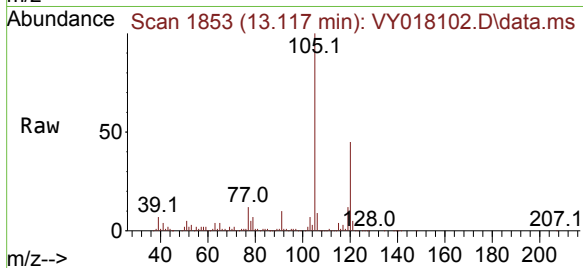
Acq: 01 May 2024 17:03

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:119	Resp:	17066
Ion Ratio	Lower	Upper
119	100	
91	84.1	31.3 93.8
134	0.0	13.4 40.1#



#84

1,2,4-Trimethylbenzene

Concen: 11.979 ug/l

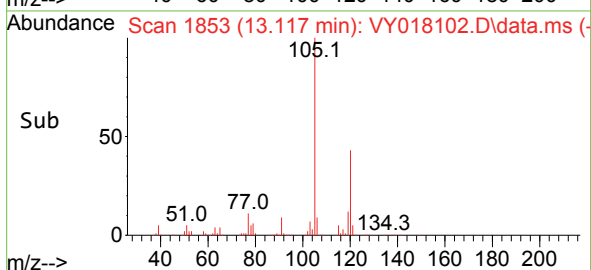
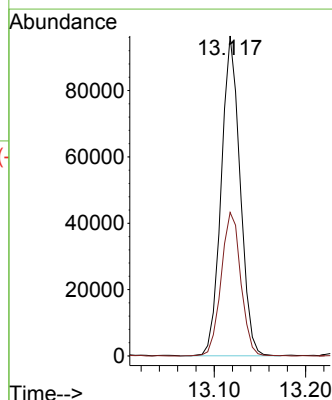
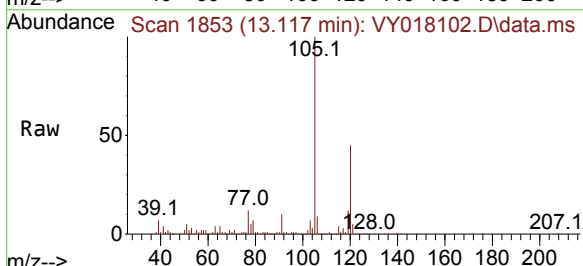
RT: 13.117 min Scan# 1853

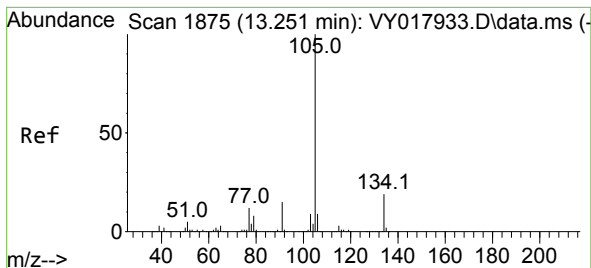
Delta R.T. 0.000 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

Tgt Ion:105	Resp:	138250
Ion Ratio	Lower	Upper
105	100	
120	46.9	23.2 69.6





#85

sec-Butylbenzene

Concen: 1.267 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

Instrument :

MSVOA_Y

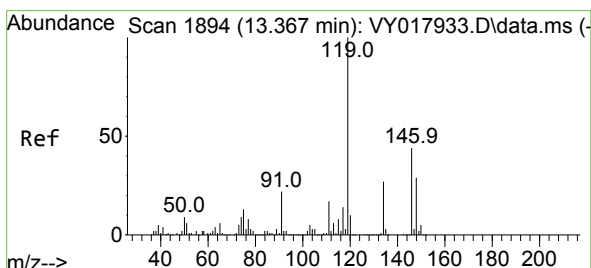
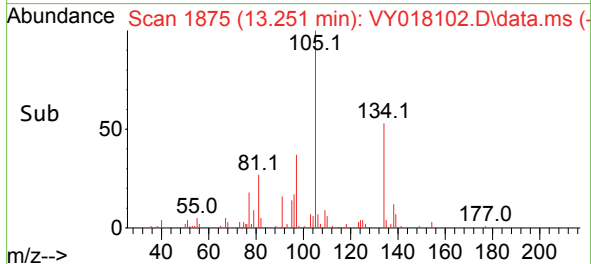
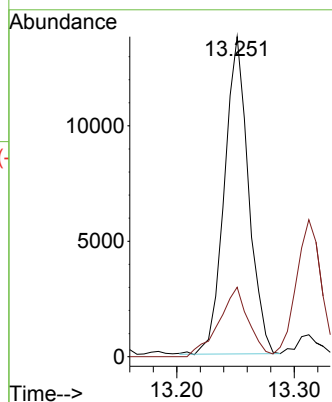
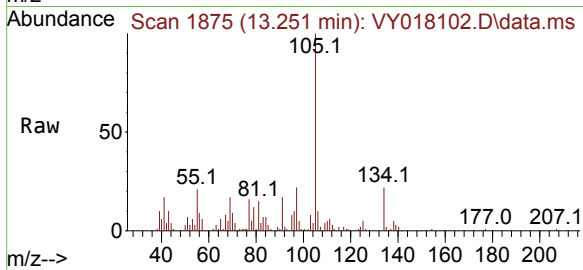
ClientSampleId :

Tgt Ion:105 Resp: 19617

Ion Ratio Lower Upper

105 100

134 26.8 10.1 30.1



#86

p-Isopropyltoluene

Concen: 1.023 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

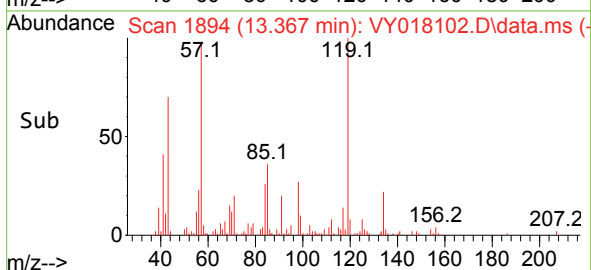
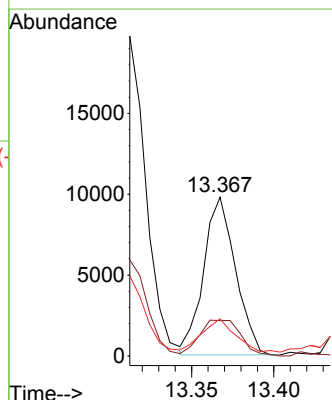
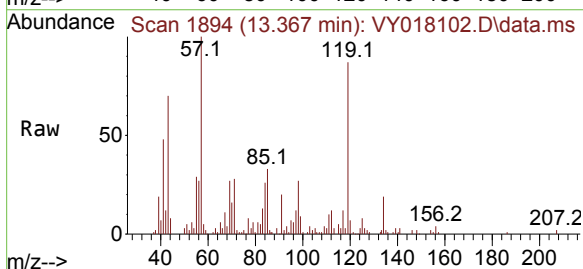
Tgt Ion:119 Resp: 13195

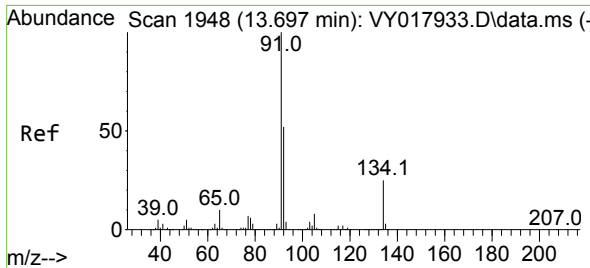
Ion Ratio Lower Upper

119 100

134 29.3 13.1 39.3

91 21.8 10.7 32.1

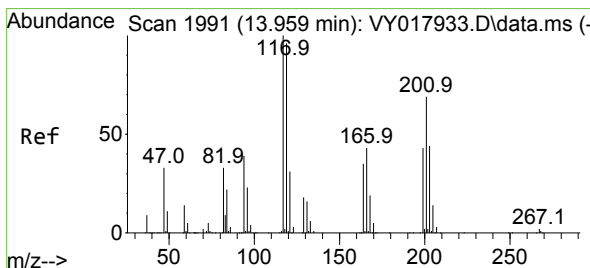
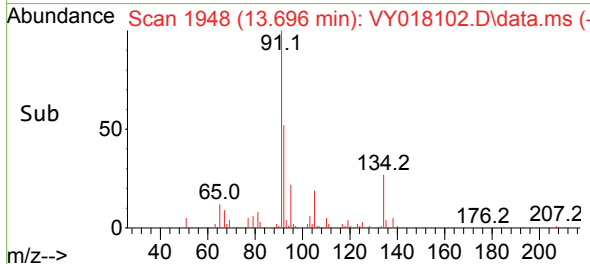
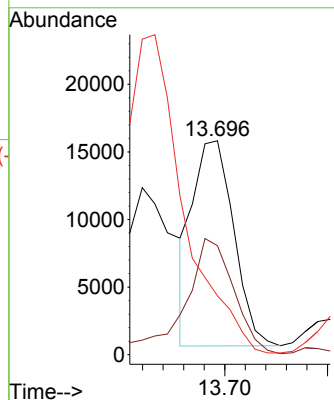
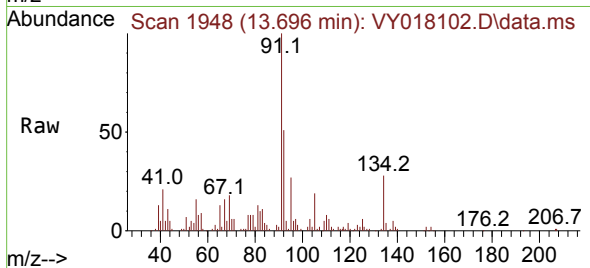




#89
n-Butylbenzene
Concen: 1.832 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

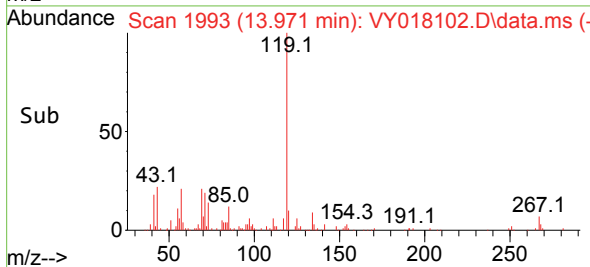
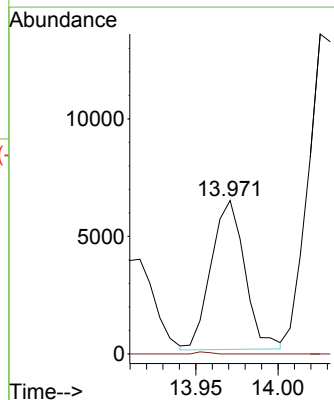
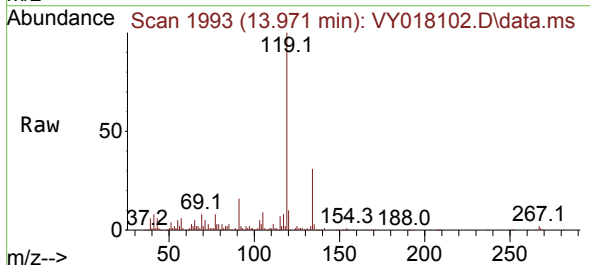
Instrument :
MSVOA_Y
ClientSampleId :

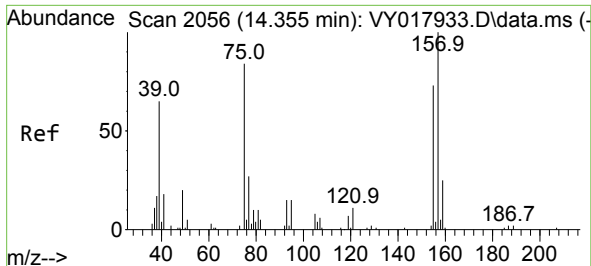
Tgt Ion: 91 Resp: 20906
Ion Ratio Lower Upper
91 100
92 67.4 26.6 79.7
134 0.0 12.9 38.7#



#90
Hexachloroethane
Concen: 3.453 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY018102.D
Acq: 01 May 2024 17:03

Tgt Ion: 117 Resp: 9048
Ion Ratio Lower Upper
117 100
201 0.6 37.4 112.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.375 ug/l

RT: 14.343 min Scan# 2054

Delta R.T. -0.012 min

Lab File: VY018102.D

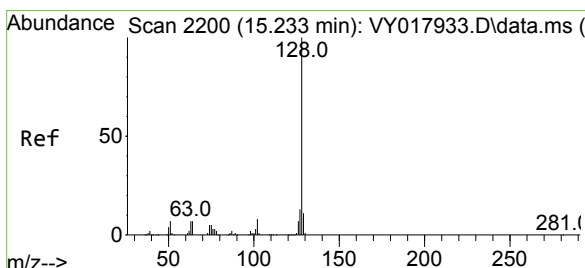
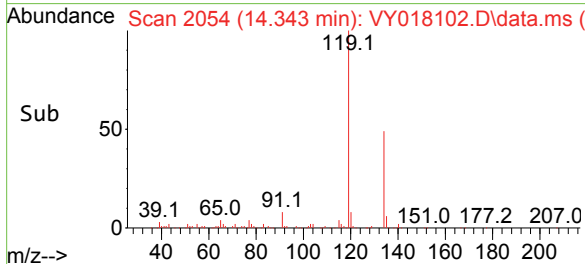
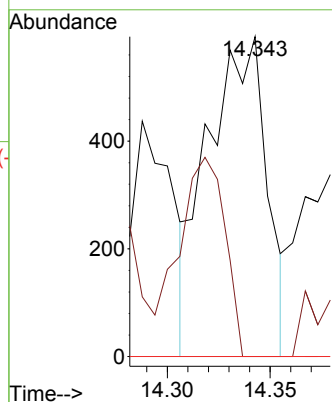
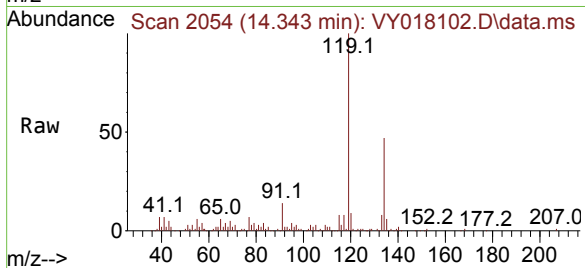
Acq: 01 May 2024 17:03

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75 Resp: 1184
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#



#95

Naphthalene

Concen: 4.081 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY018102.D

Acq: 01 May 2024 17:03

Tgt Ion: 128 Resp: 24307
 Ion Ratio Lower Upper
 128 100
 127 15.5 10.6 16.0
 129 18.0 8.6 13.0#

