

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042524\
 Data File : VY018046.D
 Acq On : 25 Apr 2024 13:11
 Operator : SY/MD
 Sample : P2262-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 26 02:00:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

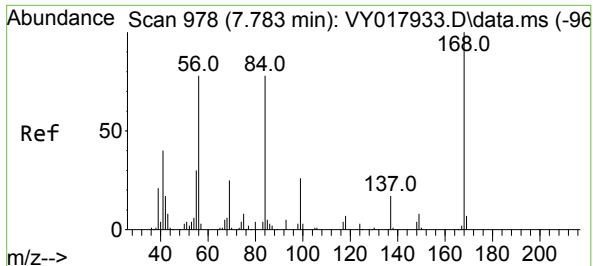
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	132197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	210058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	189044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	60385	52.784	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.560%	
35) Dibromofluoromethane	7.722	113	69703	53.786	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.580%	
50) Toluene-d8	10.185	98	235043	47.798	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.600%	
62) 4-Bromofluorobenzene	12.483	95	72901	47.869	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	241	Below Cal	#	88
16) Acetone	3.960	43	2950	13.051	ug/l	92
20) Methylene Chloride	4.723	84	8982	5.865	ug/l	93
36) 1,1-Dichloropropene	7.795	75	8928	4.737	ug/l #	48
38) Carbon Tetrachloride	7.795	117	11490	6.034	ug/l #	17
51) 4-Methyl-2-Pentanone	10.075	43	1005	1.312	ug/l	94
67) Ethyl Benzene	11.599	91	7731	1.108	ug/l	100
68) m/p-Xylenes	11.703	106	9033	3.371	ug/l	99
69) o-Xylene	12.032	106	10302	4.117	ug/l	99
73) Isopropylbenzene	12.331	105	5899	1.006	ug/l	99
74) N-amyl acetate	12.130	43	3972	3.354	ug/l #	76
76) 1,2,3-Trichloropropane	12.483	75	35902	47.524	ug/l #	100
78) n-propylbenzene	12.678	91	21618	3.037	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	32184	6.919	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	35902	97.985	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.123	105	86917	18.764	ug/l	97
85) sec-Butylbenzene	13.258	105	13383	2.097	ug/l	80
86) p-Isopropyltoluene	13.373	119	8033	1.532	ug/l	92
89) n-Butylbenzene	13.703	91	24279	4.922	ug/l #	72
90) Hexachloroethane	13.977	117	4535	4.218	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.343	75	376	2.672	ug/l #	1
95) Naphthalene	15.239	128	13909	5.965	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.428	180	1723	1.451	ug/l #	1

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

Quant Time: Apr 26 02:00:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:24:42 2024
Response via : Initial Calibration

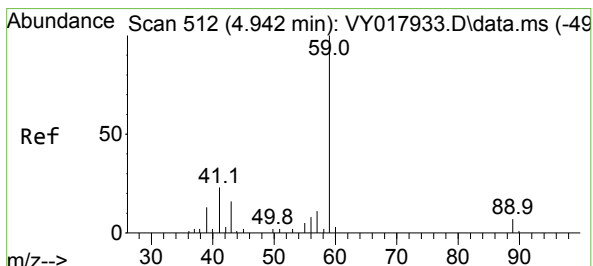
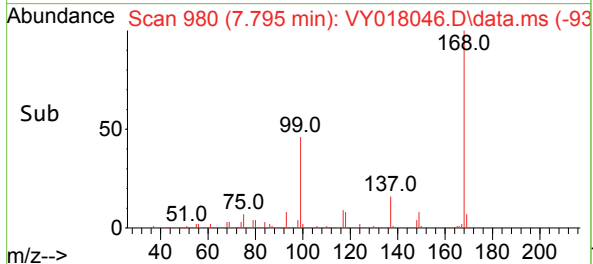
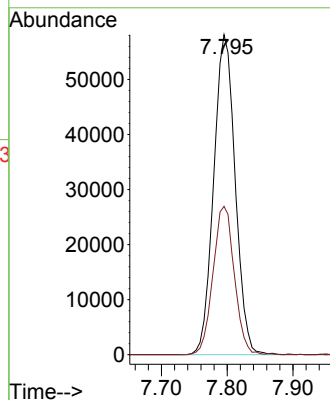
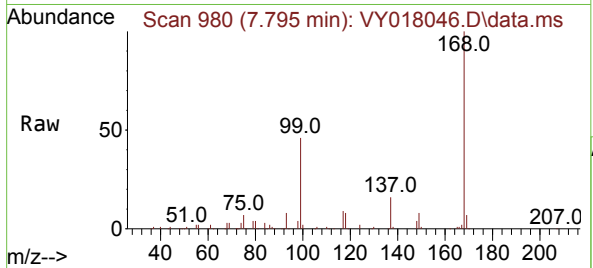




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

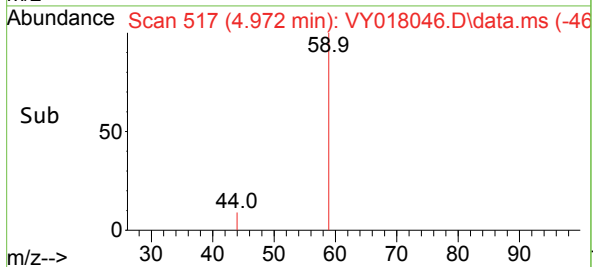
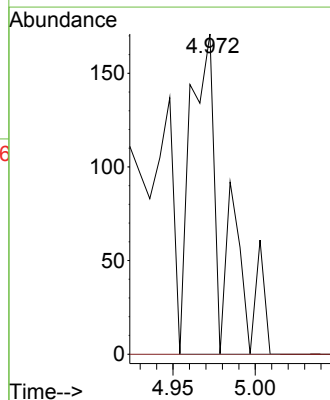
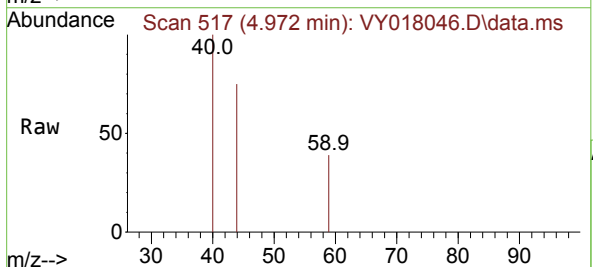
Instrument :
MSVOA_Y
ClientSampleId :

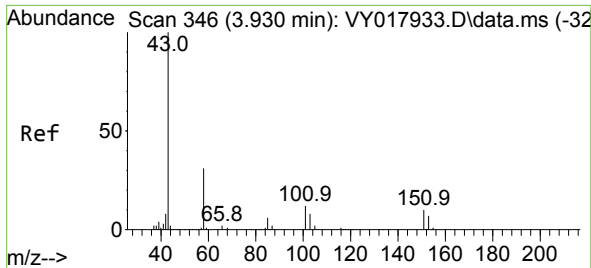
Tgt Ion:168 Resp: 132197
Ion Ratio Lower Upper
168 100
99 46.3 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.018 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 13.051 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY018046.D

Acq: 25 Apr 2024 13:11

Instrument :

MSVOA_Y

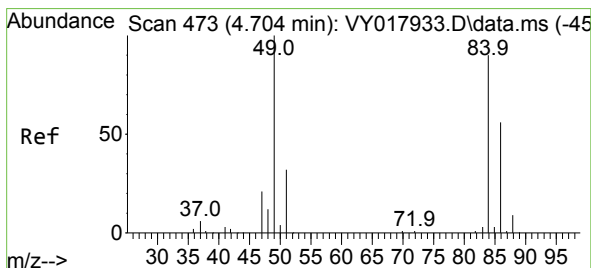
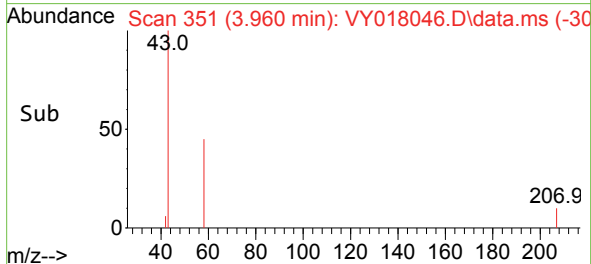
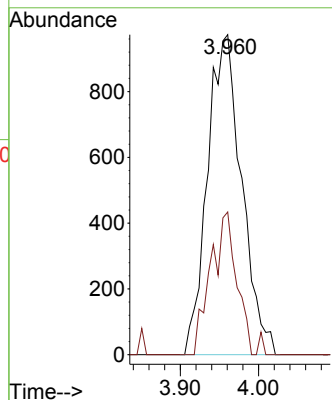
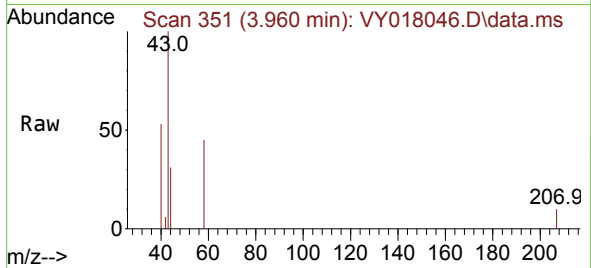
ClientSampleId :

Tgt Ion: 43 Resp: 2950

Ion Ratio Lower Upper

43 100

58 44.6 31.7 47.5



#20

Methylene Chloride

Concen: 5.865 ug/l

RT: 4.723 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY018046.D

Acq: 25 Apr 2024 13:11

Tgt Ion: 84 Resp: 8982

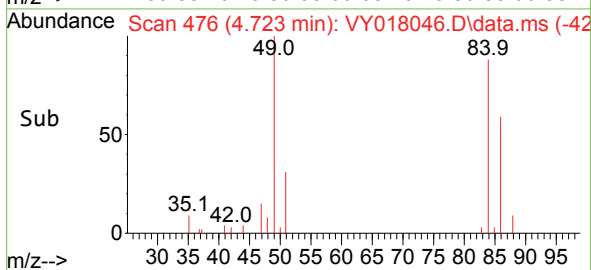
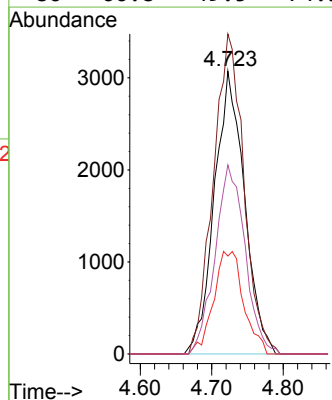
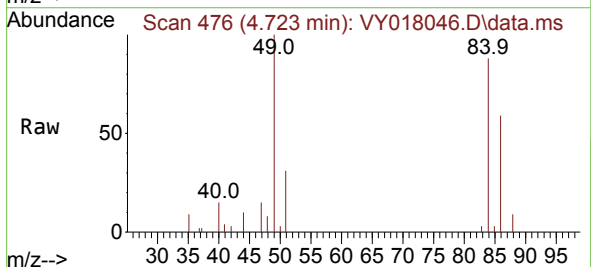
Ion Ratio Lower Upper

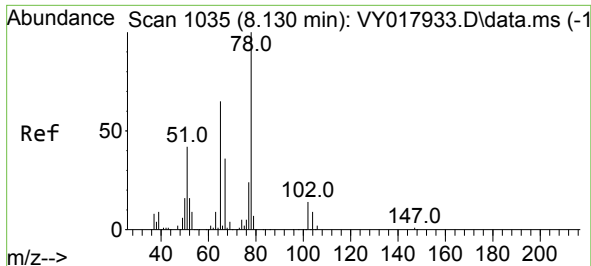
84 100

49 113.2 84.4 126.6

51 34.7 26.0 39.0

86 66.8 49.5 74.3

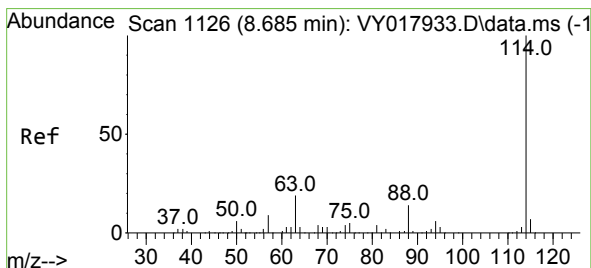
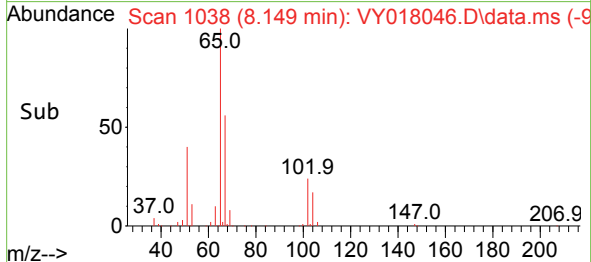
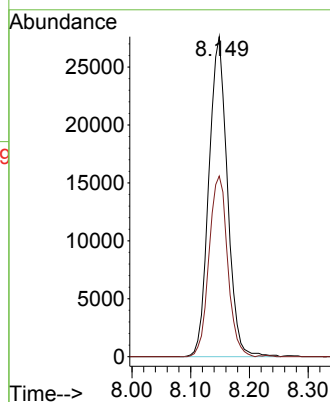
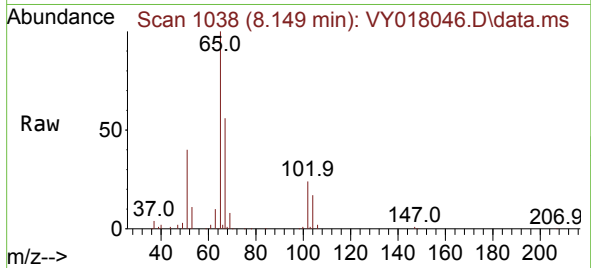




#33
1,2-Dichloroethane-d4
Concen: 52.784 ug/l
RT: 8.149 min Scan# 1035
Delta R.T. 0.006 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

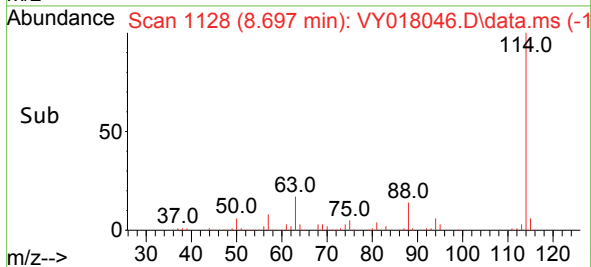
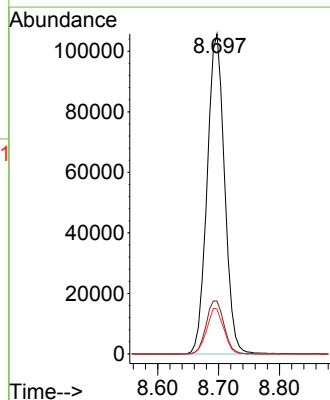
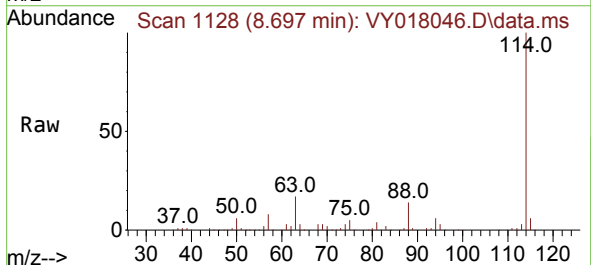
Instrument :
MSVOA_Y
ClientSampleId :

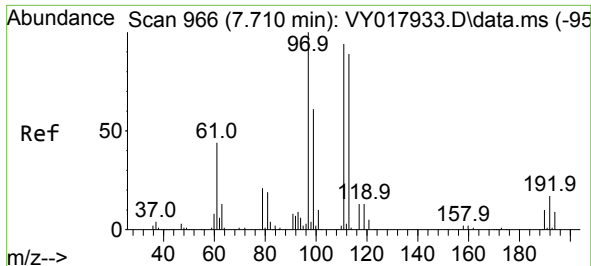
Tgt Ion: 65 Resp: 60385
Ion Ratio Lower Upper
65 100
67 56.8 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

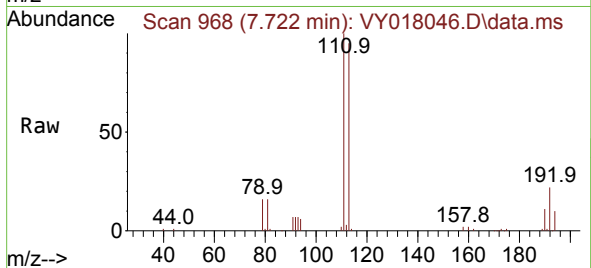
Tgt Ion:114 Resp: 210058
Ion Ratio Lower Upper
114 100
63 16.5 0.0 35.0
88 14.1 0.0 27.2



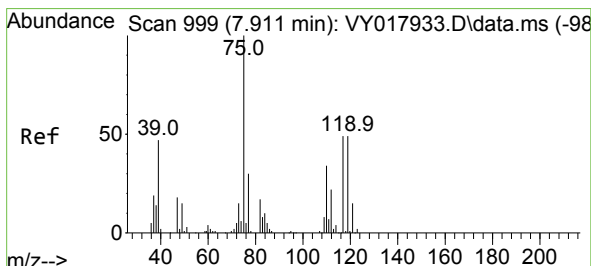
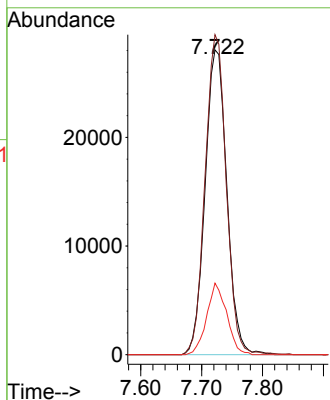
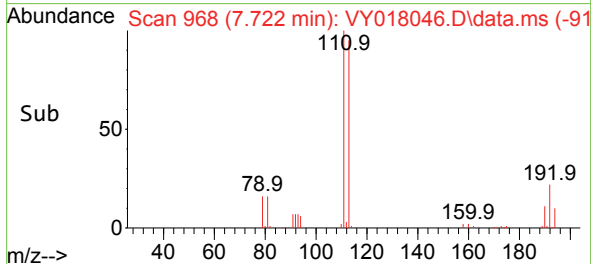


#35
Dibromofluoromethane
Concen: 53.786 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

Instrument :
MSVOA_Y
ClientSampleId :

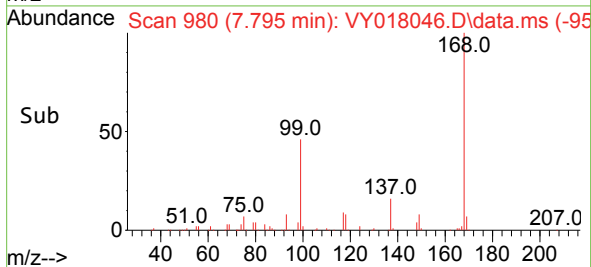
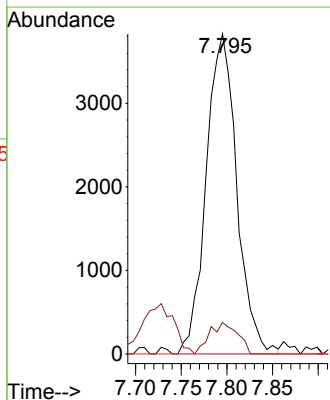
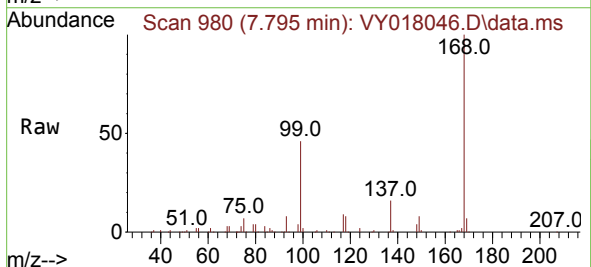


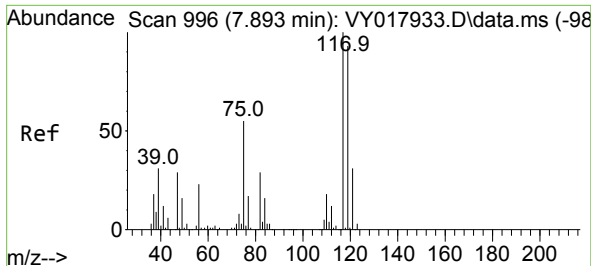
Tgt Ion:113 Resp: 69703
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 21.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.737 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

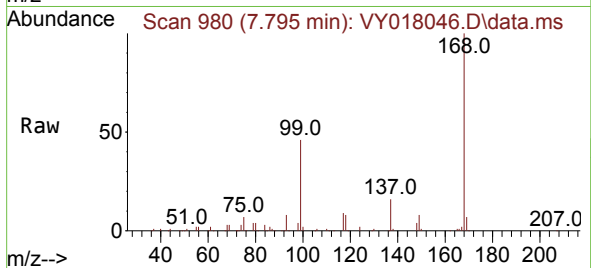
Tgt Ion: 75 Resp: 8928
Ion Ratio Lower Upper
75 100
110 9.0 19.0 57.0#
77 0.0 25.3 37.9#



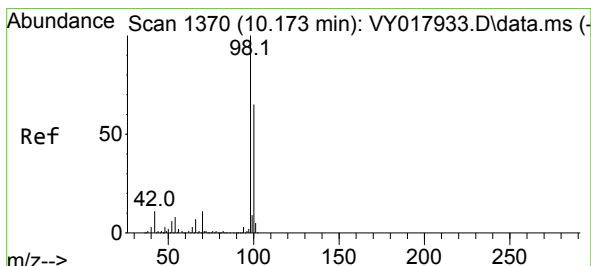
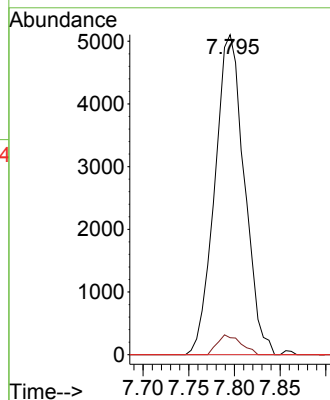
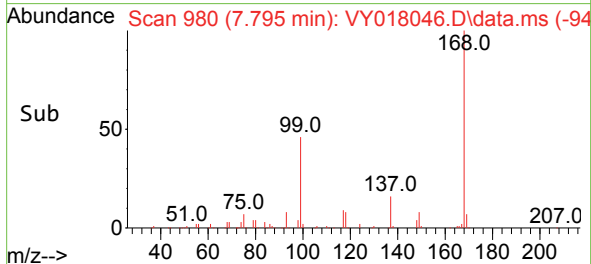


#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

Instrument :
MSVOA_Y
ClientSampleId :

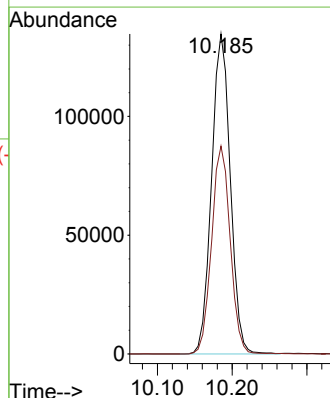
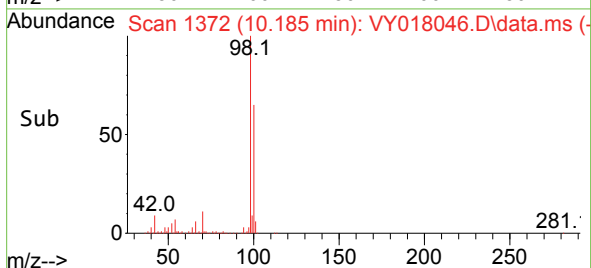
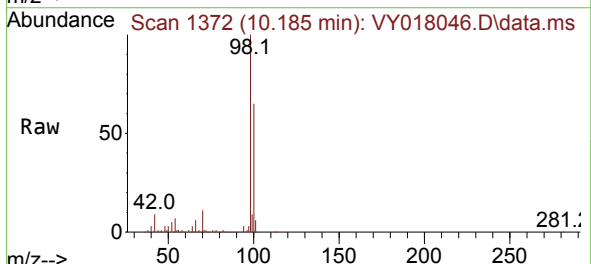


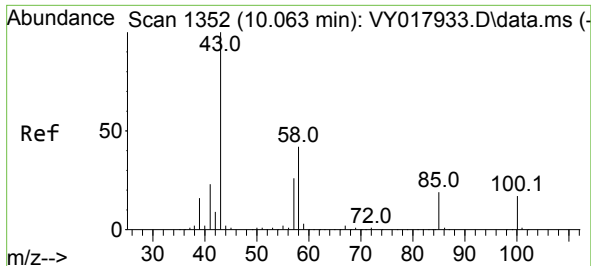
Tgt Ion:117 Resp: 11490
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.798 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

Tgt Ion: 98 Resp: 235043
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.312 ug/l

RT: 10.075 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018046.D

Acq: 25 Apr 2024 13:11

Instrument :

MSVOA_Y

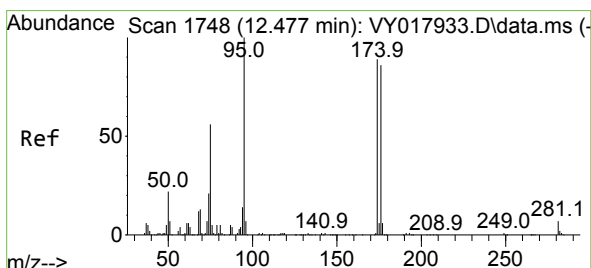
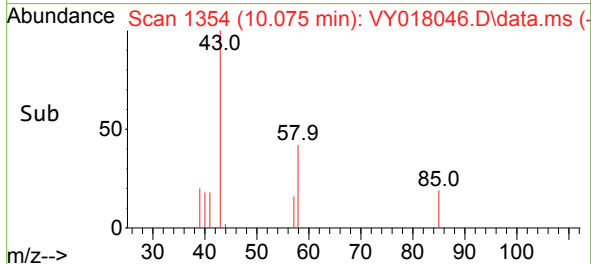
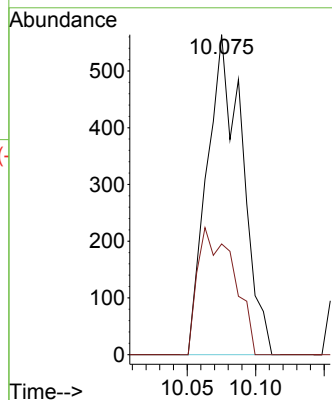
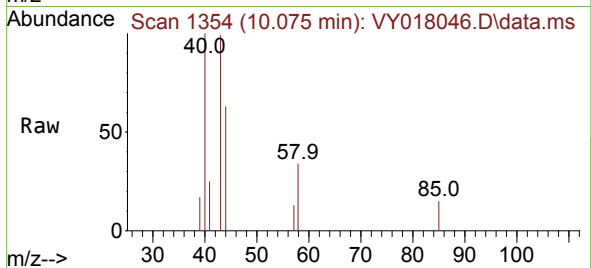
ClientSampleId :

Tgt Ion: 43 Resp: 1005

Ion Ratio Lower Upper

43 100

58 40.6 35.7 53.5



#62

4-Bromofluorobenzene

Concen: 47.869 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY018046.D

Acq: 25 Apr 2024 13:11

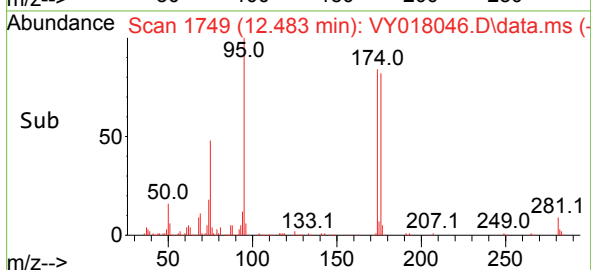
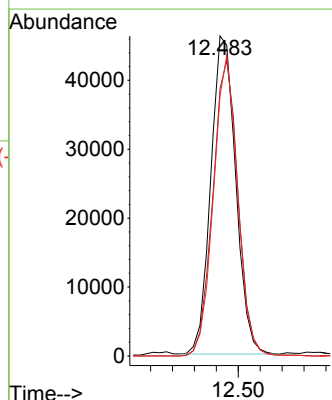
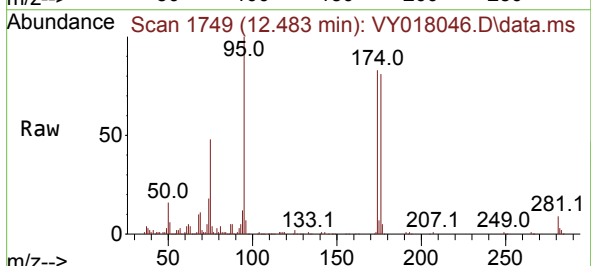
Tgt Ion: 95 Resp: 72901

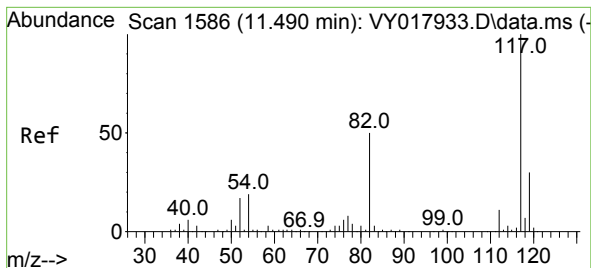
Ion Ratio Lower Upper

95 100

174 93.9 0.0 175.6

176 91.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018046.D

Acq: 25 Apr 2024 13:11

Instrument :

MSVOA_Y

ClientSampleId :

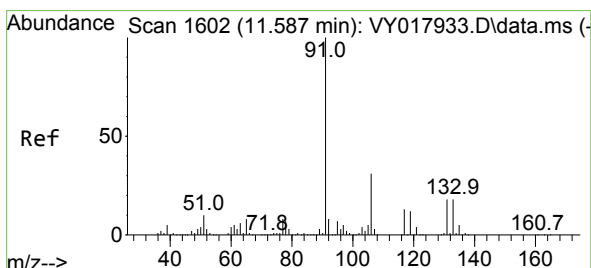
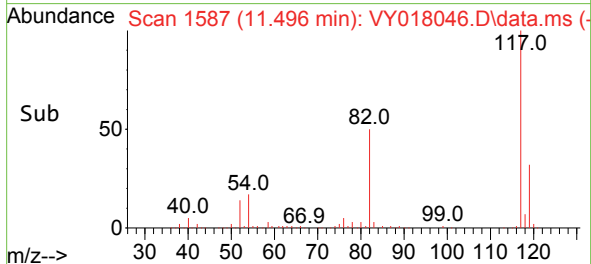
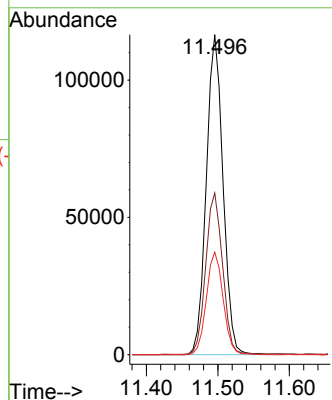
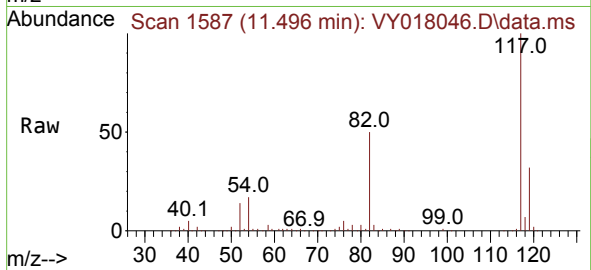
Tgt Ion:117 Resp: 189044

Ion Ratio Lower Upper

117 100

82 50.4 42.4 63.6

119 32.0 25.9 38.9



#67

Ethyl Benzene

Concen: 1.108 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY018046.D

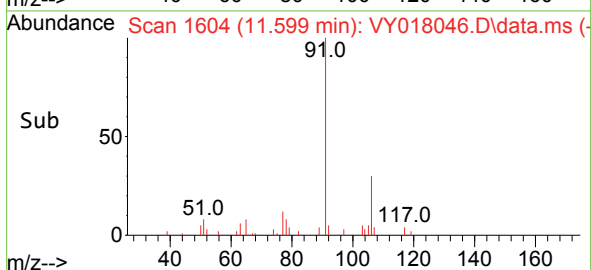
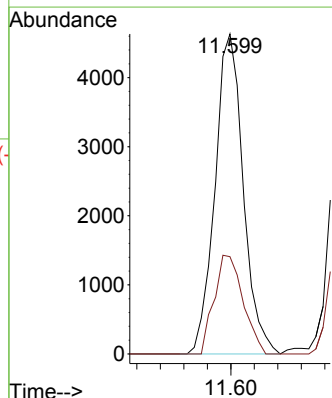
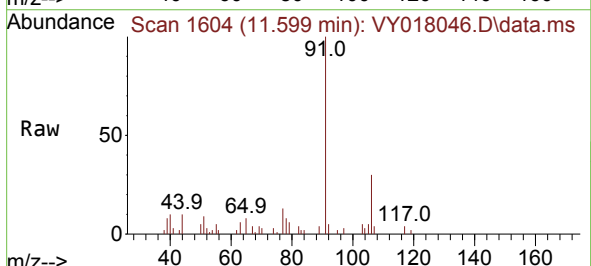
Acq: 25 Apr 2024 13:11

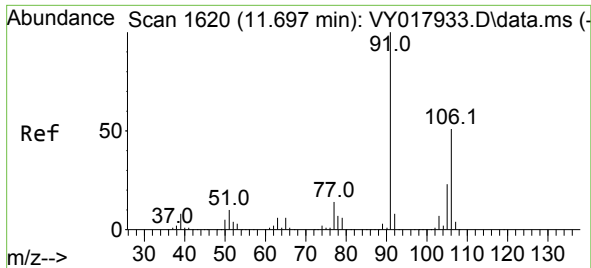
Tgt Ion: 91 Resp: 7731

Ion Ratio Lower Upper

91 100

106 30.4 24.5 36.7

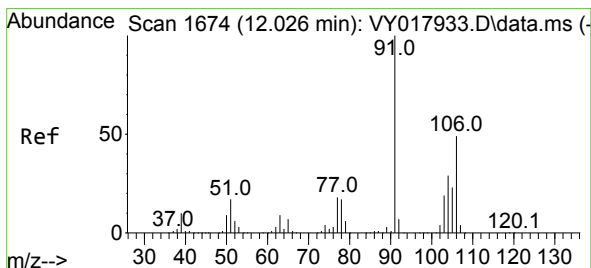
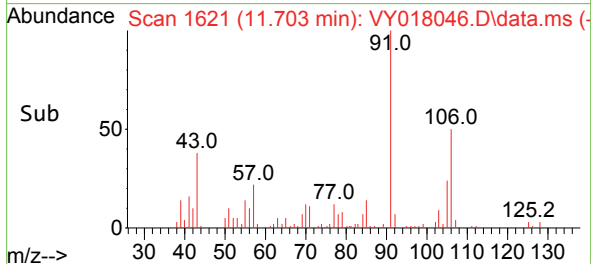
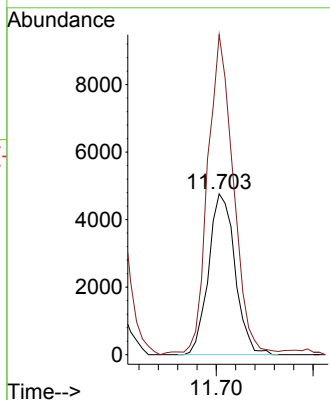
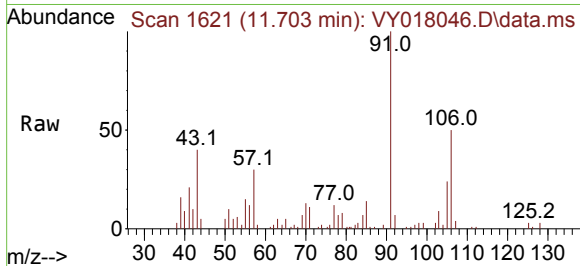




#68
m/p-Xylenes
Concen: 3.371 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

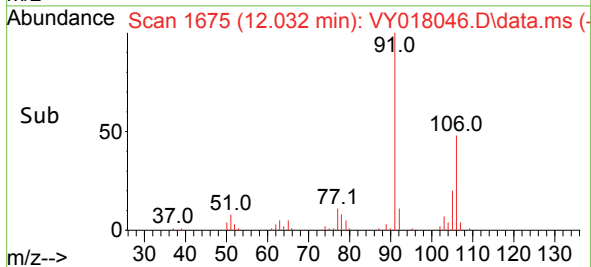
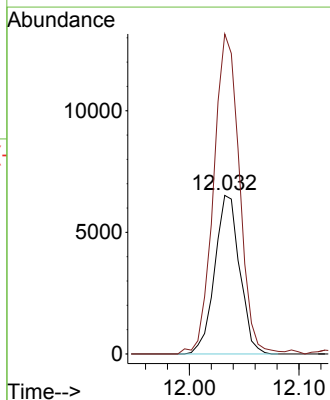
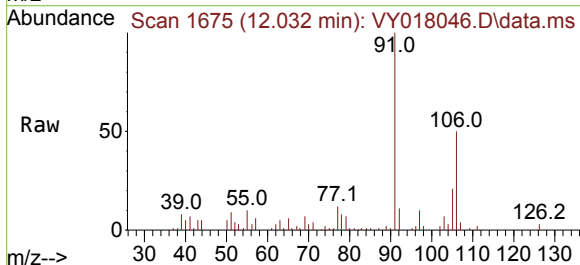
Instrument :
MSVOA_Y
ClientSampleId :

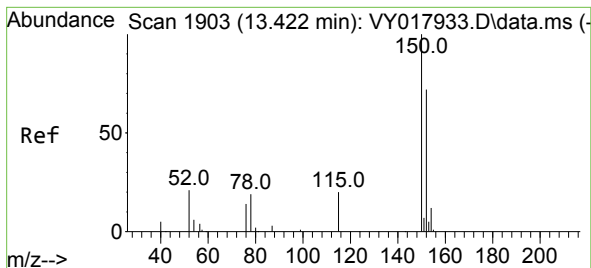
Tgt Ion:106 Resp: 9033
Ion Ratio Lower Upper
106 100
91 193.6 156.0 234.0



#69
o-Xylene
Concen: 4.117 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

Tgt Ion:106 Resp: 10302
Ion Ratio Lower Upper
106 100
91 208.9 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY018046.D

Acq: 25 Apr 2024 13:11

Instrument :

MSVOA_Y

ClientSampleId :

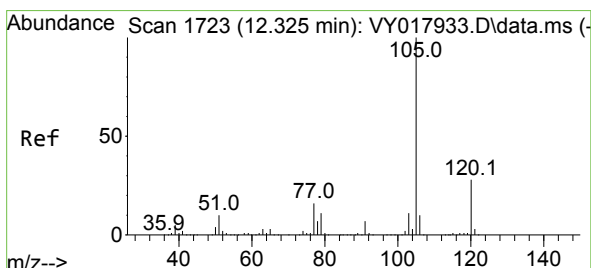
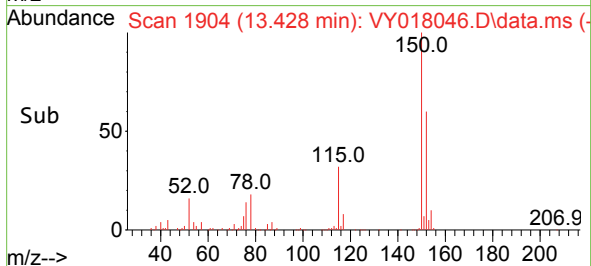
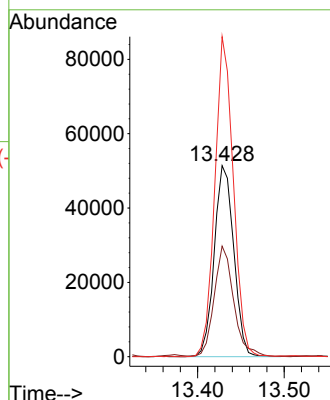
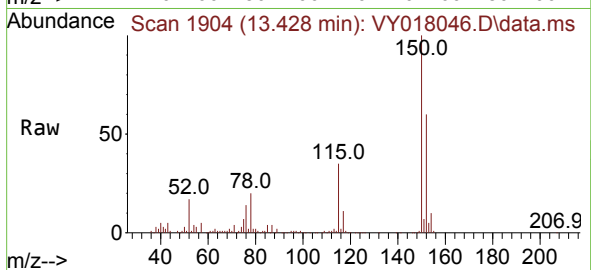
Tgt Ion:152 Resp: 80506

Ion Ratio Lower Upper

152 100

115 58.2 28.2 84.7

150 158.8 0.0 345.6



#73

Isopropylbenzene

Concen: 1.006 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. 0.000 min

Lab File: VY018046.D

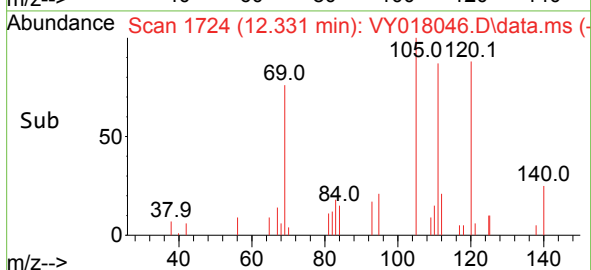
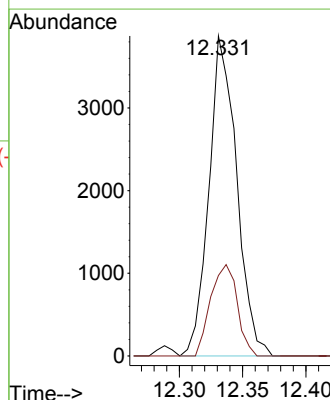
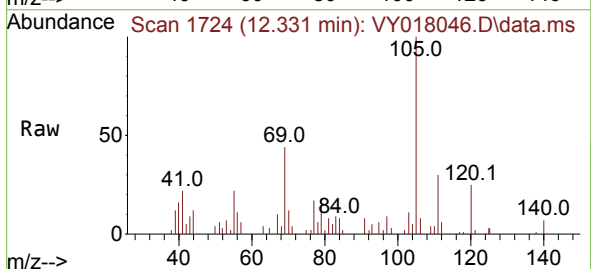
Acq: 25 Apr 2024 13:11

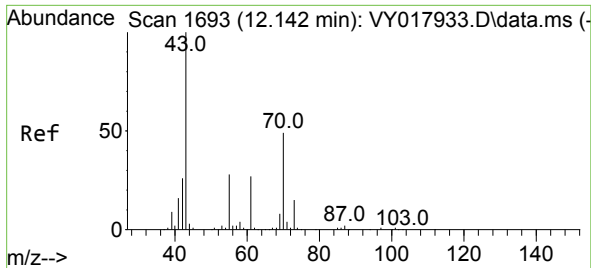
Tgt Ion:105 Resp: 5899

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.1

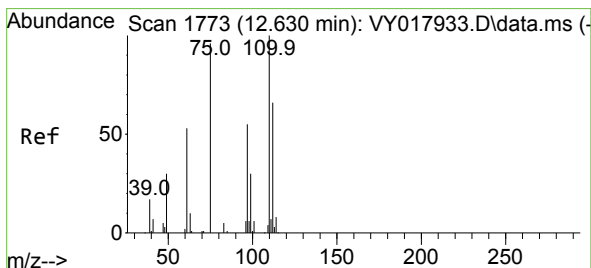
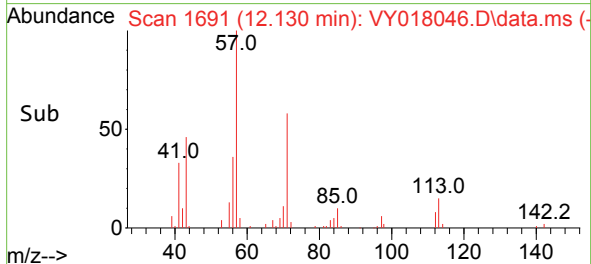
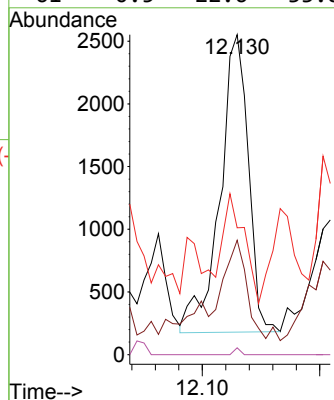
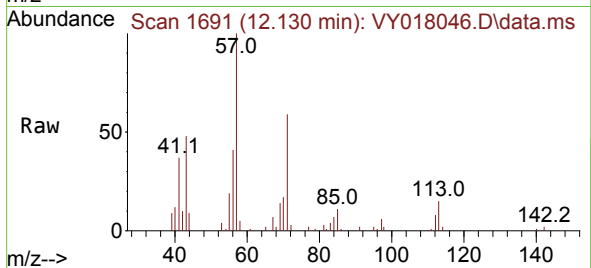




#74
N-amy1 acetate
Concen: 3.354 ug/l
RT: 12.130 min Scan# 1749
Delta R.T. -0.012 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

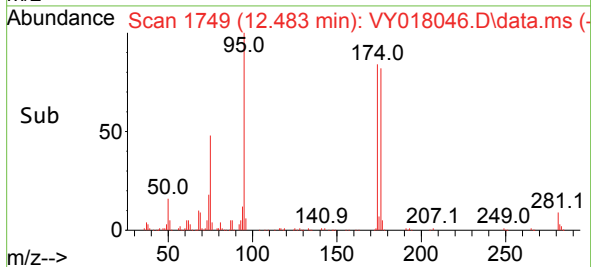
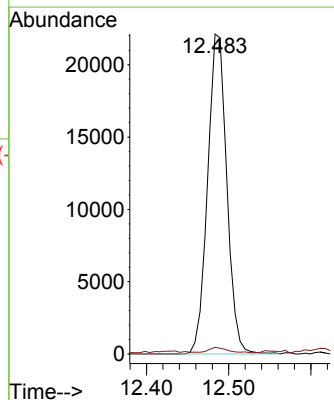
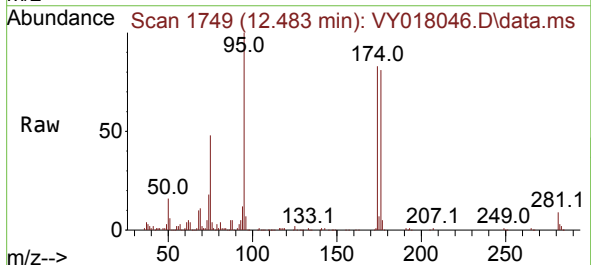
Instrument :
MSVOA_Y
ClientSampleId :

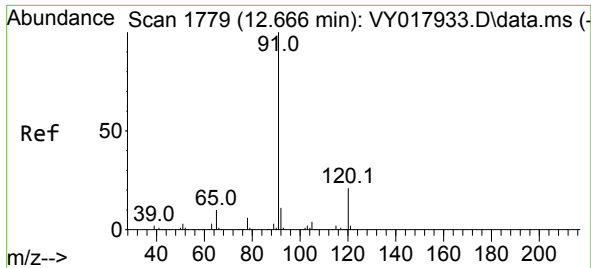
Tgt Ion: 43	Resp: 3972
Ion Ratio	Lower Upper
43 100	
70 38.3	41.4 62.2#
55 26.9	23.3 34.9
61 0.5	22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 47.524 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

Tgt Ion: 75	Resp: 35902
Ion Ratio	Lower Upper
75 100	
77 1.6	0.0 0.0#

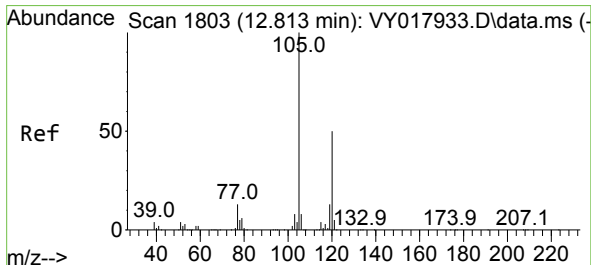
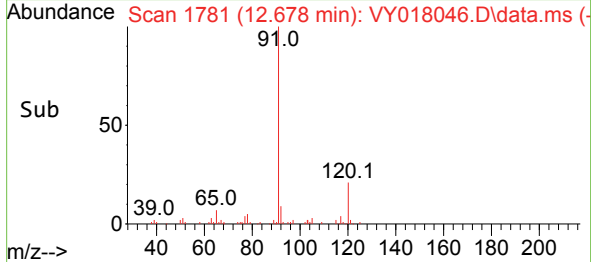
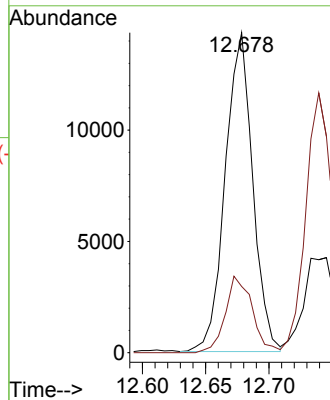
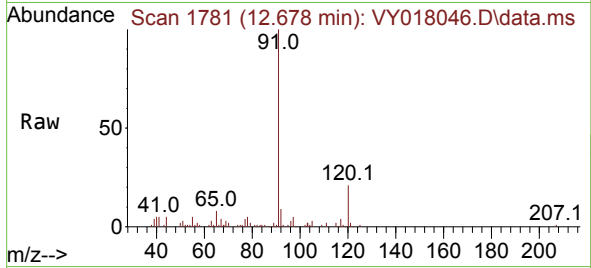




#78
n-propylbenzene
Concen: 3.037 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

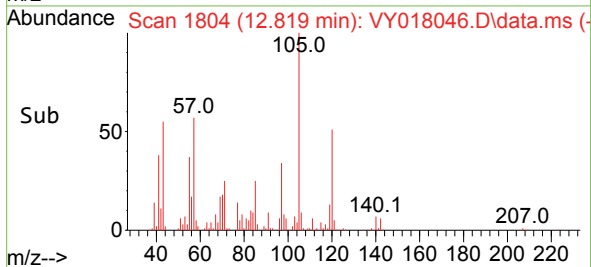
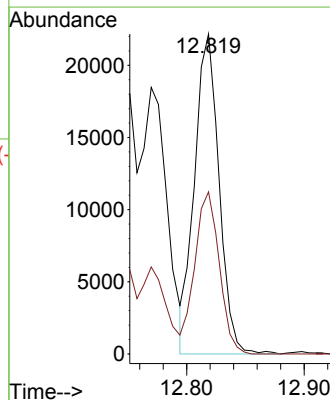
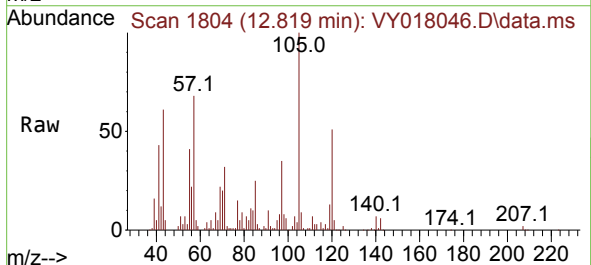
Instrument :
MSVOA_Y
ClientSampleId :

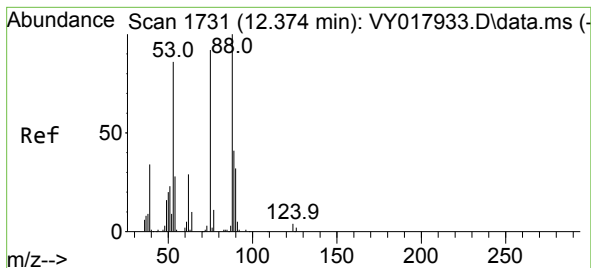
Tgt Ion: 91 Resp: 21618
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 6.919 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

Tgt Ion: 105 Resp: 32184
Ion Ratio Lower Upper
105 100
120 50.7 25.1 75.2

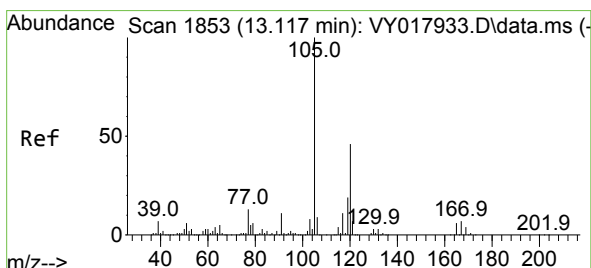
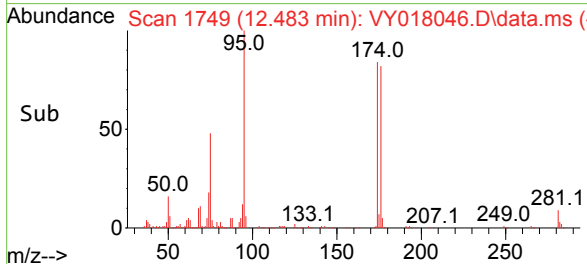
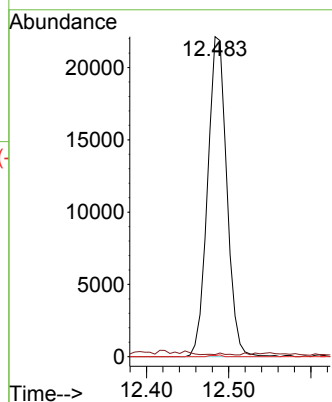
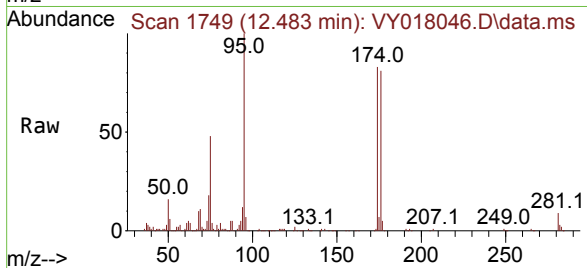




#81
trans-1,4-Dichloro-2-butene
Concen: 97.985 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

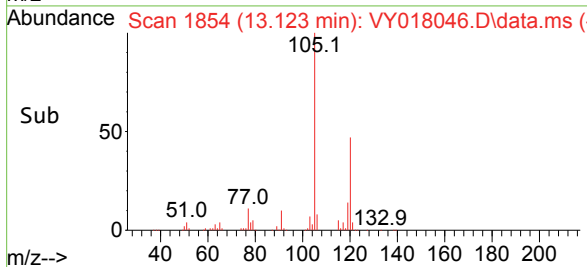
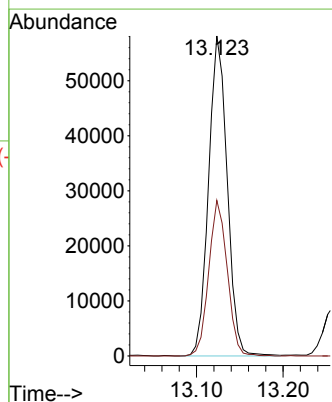
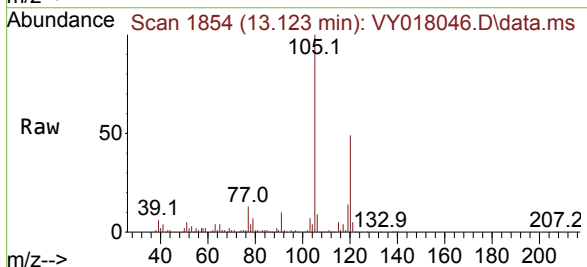
Instrument :
MSVOA_Y
ClientSampleId :

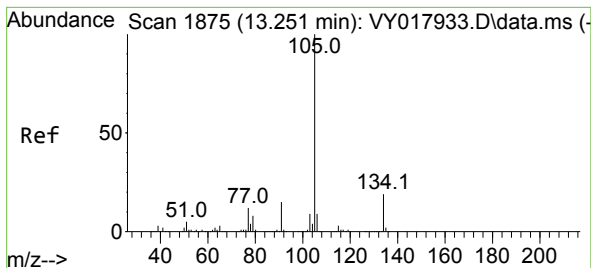
Tgt Ion: 75 Resp: 35902
Ion Ratio Lower Upper
75 100
53 0.3 66.8 100.2#
89 0.3 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 18.764 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

Tgt Ion:105 Resp: 86917
Ion Ratio Lower Upper
105 100
120 48.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 2.097 ug/l

RT: 13.258 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY018046.D

Acq: 25 Apr 2024 13:11

Instrument :

MSVOA_Y

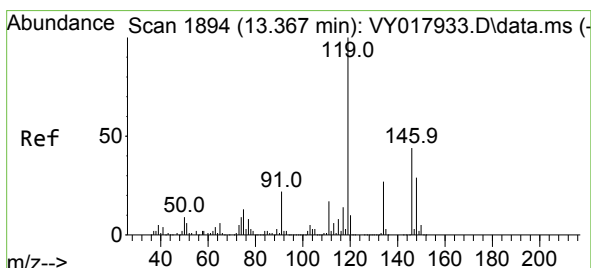
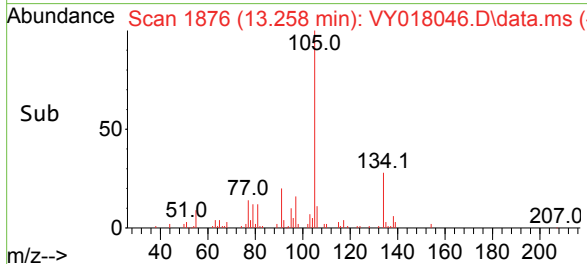
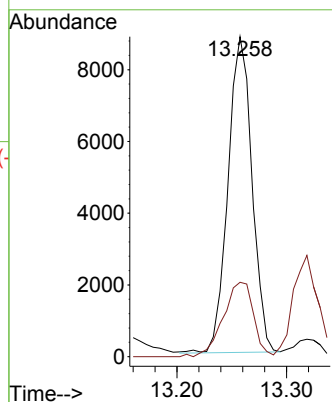
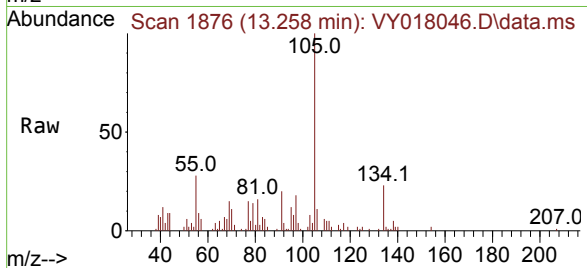
ClientSampleId :

Tgt Ion:105 Resp: 13383

Ion Ratio Lower Upper

105 100

134 29.5 10.1 30.1



#86

p-Isopropyltoluene

Concen: 1.532 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY018046.D

Acq: 25 Apr 2024 13:11

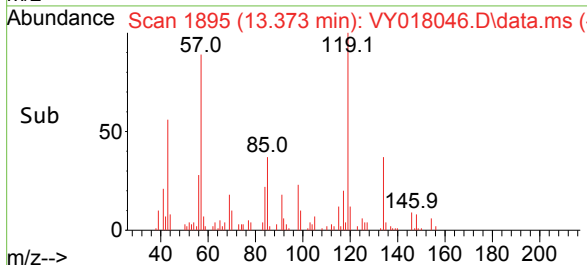
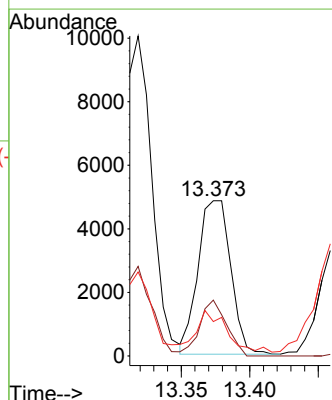
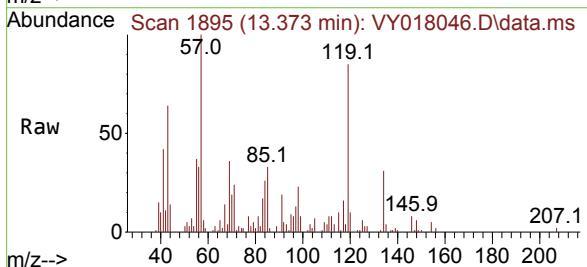
Tgt Ion:119 Resp: 8033

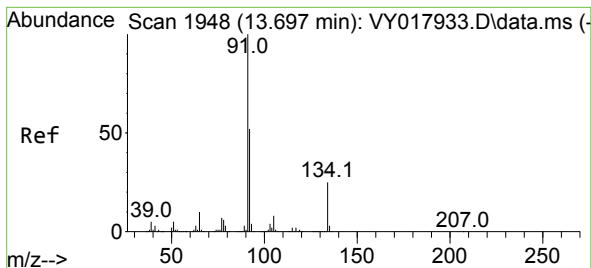
Ion Ratio Lower Upper

119 100

134 29.8 13.1 39.3

91 25.4 10.7 32.1





#89

n-Butylbenzene

Concen: 4.922 ug/l

RT: 13.703 min Scan# 1948

Delta R.T. 0.006 min

Lab File: VY018046.D

Acq: 25 Apr 2024 13:11

Instrument :

MSVOA_Y

ClientSampleId :

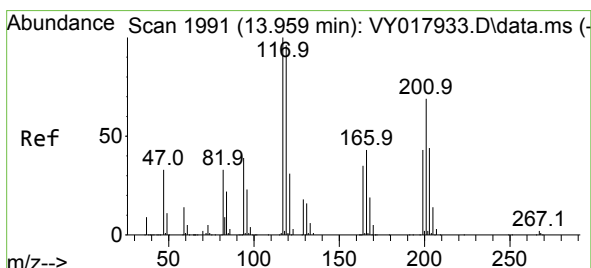
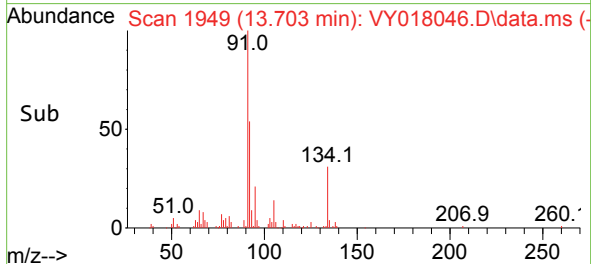
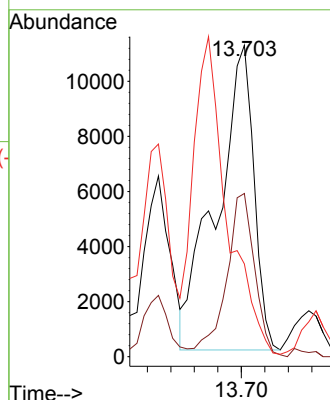
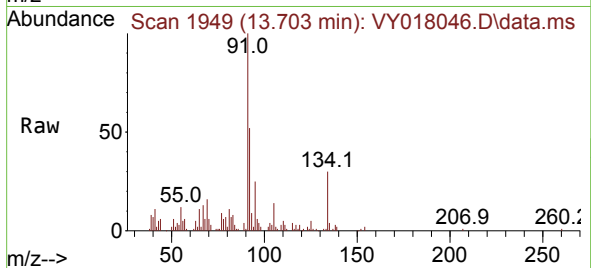
Tgt Ion: 91 Resp: 24279

Ion Ratio Lower Upper

91 100

92 41.1 26.6 79.7

134 0.0 12.9 38.7#



#90

Hexachloroethane

Concen: 4.218 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.018 min

Lab File: VY018046.D

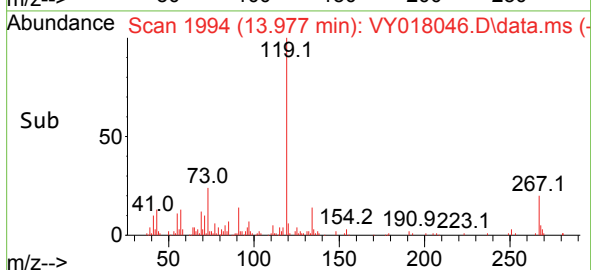
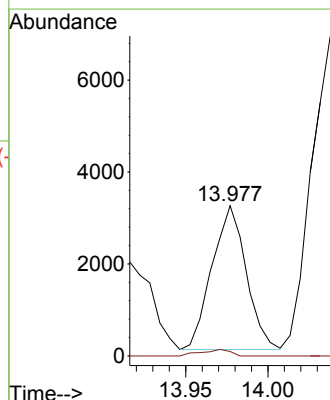
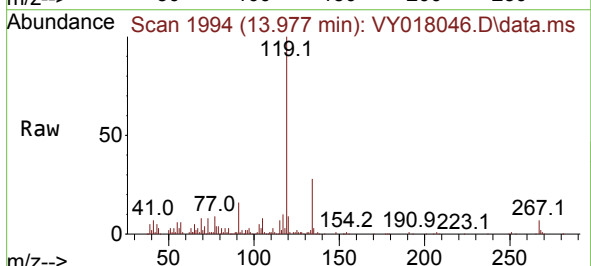
Acq: 25 Apr 2024 13:11

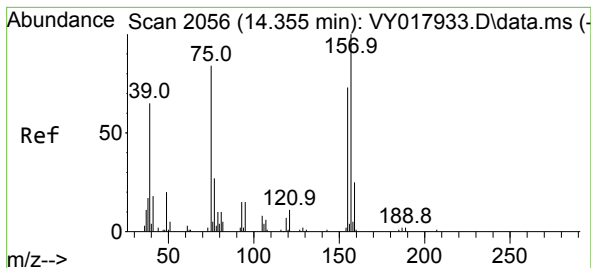
Tgt Ion: 117 Resp: 4535

Ion Ratio Lower Upper

117 100

201 3.8 37.4 112.2#

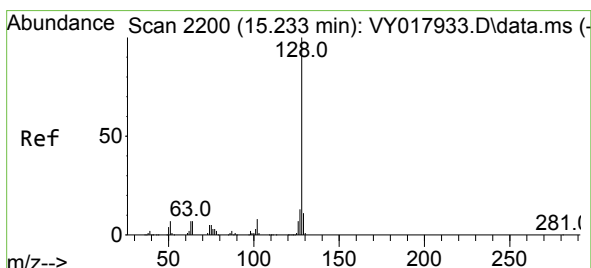
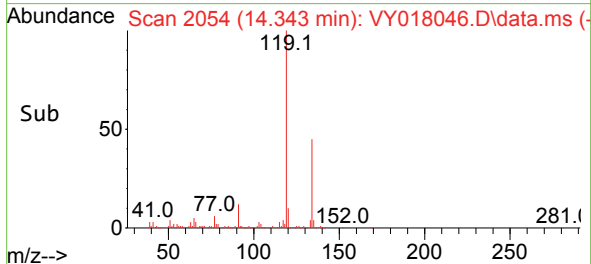
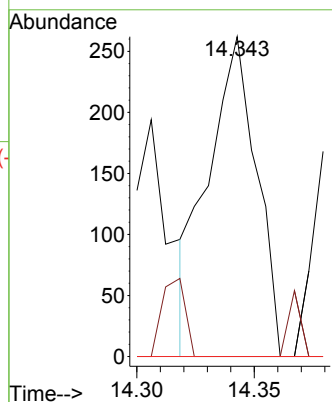
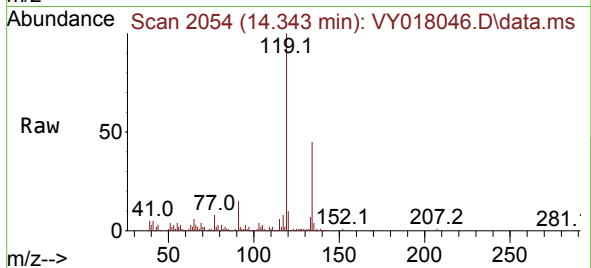




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.672 ug/l
RT: 14.343 min Scan# 2054
Delta R.T. -0.012 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

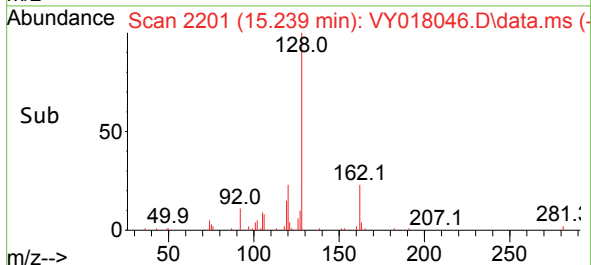
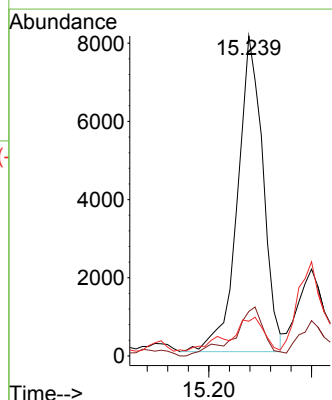
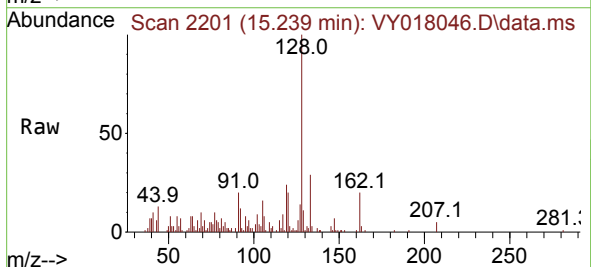
Instrument :
MSVOA_Y
ClientSampleId :

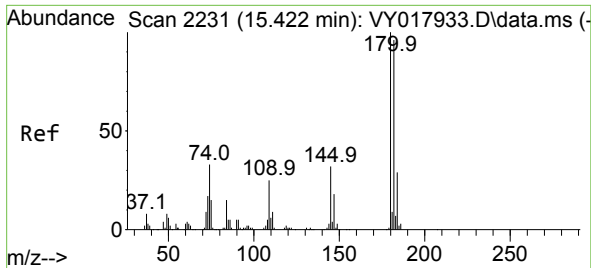
Tgt Ion: 75 Resp: 376
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 5.965 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY018046.D
Acq: 25 Apr 2024 13:11

Tgt Ion:128 Resp: 13909
Ion Ratio Lower Upper
128 100
127 18.3 10.6 16.0#
129 9.7 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.451 ug/l

RT: 15.428 min Scan# 21

Delta R.T. 0.006 min

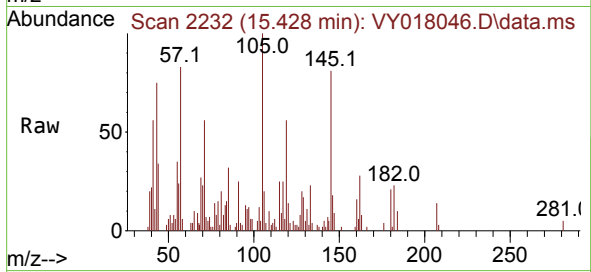
Lab File: VY018046.D

Acq: 25 Apr 2024 13:11

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 1723

Ion Ratio Lower Upper

180 100

182 75.7 47.6 142.9

145 289.0 15.4 46.1#

