

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042524\
 Data File : VY018050.D
 Acq On : 25 Apr 2024 14:53
 Operator : SY/MD
 Sample : P2262-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 26 02:02:32 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)

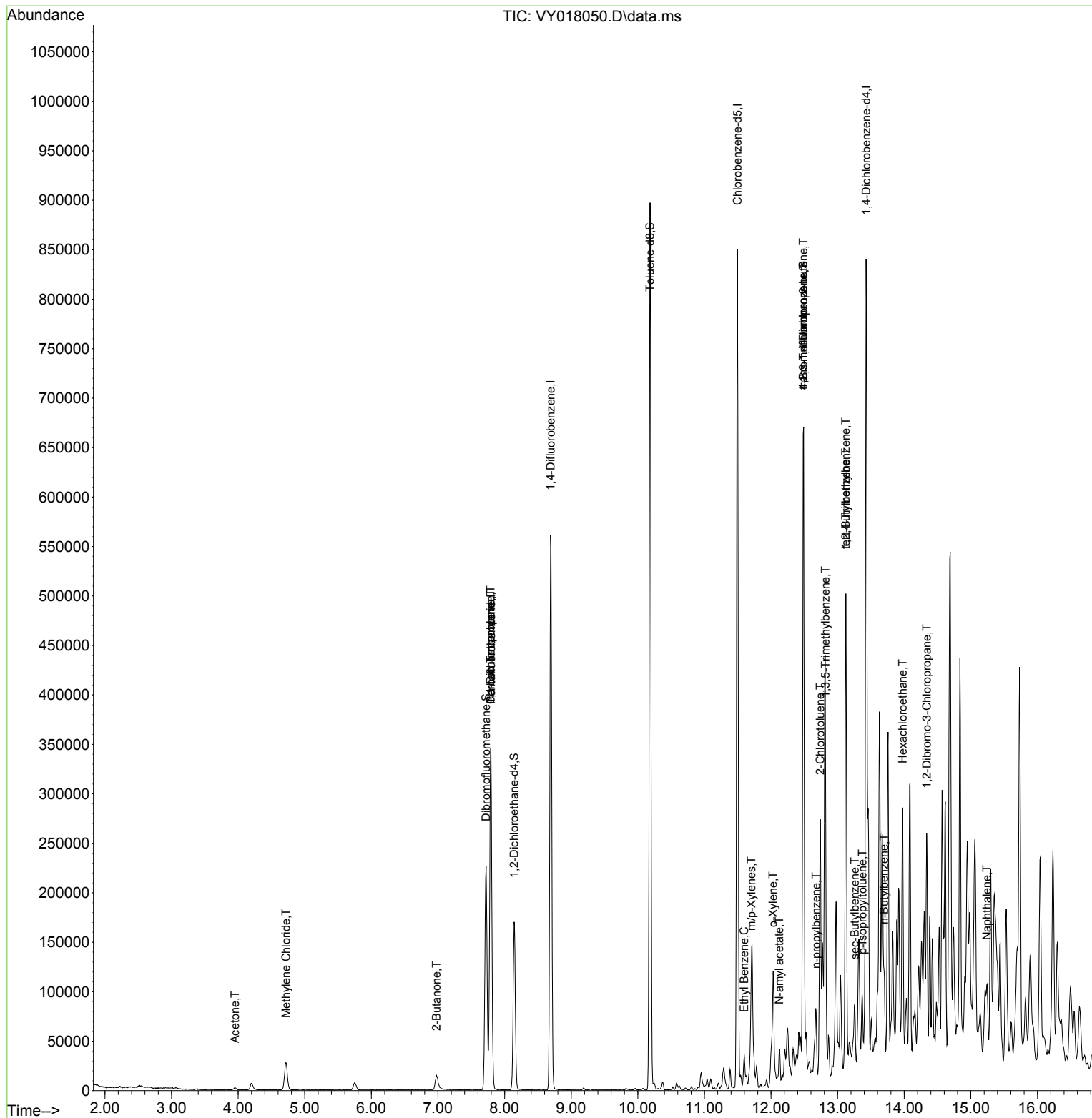
Internal Standards						
1) Pentafluorobenzene	7.795	168	303641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	529277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	498734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	219607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	129607	49.325	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.640%
35) Dibromofluoromethane	7.722	113	163782	50.158	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.320%
50) Toluene-d8	10.185	98	612868	49.464	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.920%
62) 4-Bromofluorobenzene	12.483	95	196755	51.274	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	563	Below Cal	#	88
16) Acetone	3.954	43	3448	6.641	ug/l	89
20) Methylene Chloride	4.716	84	22117	6.288	ug/l	96
25) 2-Butanone	6.978	43	1088	1.426	ug/l #	41
36) 1,1-Dichloropropene	7.789	75	19101	4.022	ug/l #	47
38) Carbon Tetrachloride	7.789	117	26232	5.468	ug/l #	17
67) Ethyl Benzene	11.599	91	20186	1.097	ug/l	98
68) m/p-Xylenes	11.703	106	26023	3.681	ug/l	99
69) o-Xylene	12.032	106	27136	4.111	ug/l	96
74) N-amyl acetate	12.124	43	6594	2.041	ug/l #	63
76) 1,2,3-Trichloropropane	12.483	75	95203	46.198	ug/l #	100
78) n-propylbenzene	12.678	91	51150	2.635	ug/l	96
79) 2-Chlorotoluene	12.739	91	17503	1.611	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.818	105	81783	6.445	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	95203	95.252	ug/l #	16
83) tert-Butylbenzene	13.123	119	32864	2.836	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.123	105	253769	20.083	ug/l	97
85) sec-Butylbenzene	13.257	105	32025	1.840	ug/l	86
86) p-Isopropyltoluene	13.373	119	19355	1.353	ug/l	99
89) n-Butylbenzene	13.696	91	58943	4.380	ug/l #	70
90) Hexachloroethane	13.977	117	11044	3.765	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.337	75	891	2.321	ug/l #	1
95) Naphthalene	15.239	128	31930	5.020	ug/l #	94

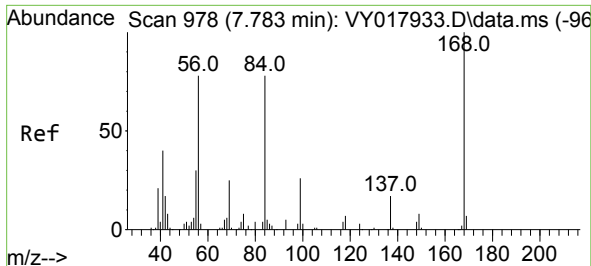
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 26 02:02:32 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

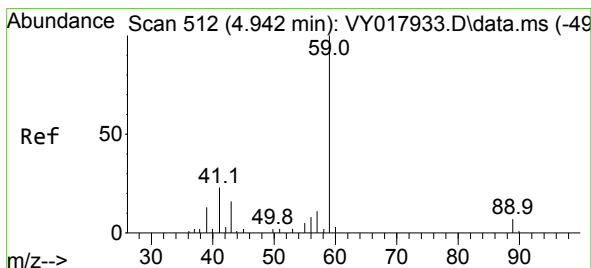
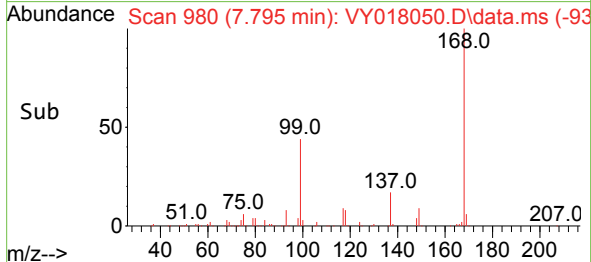
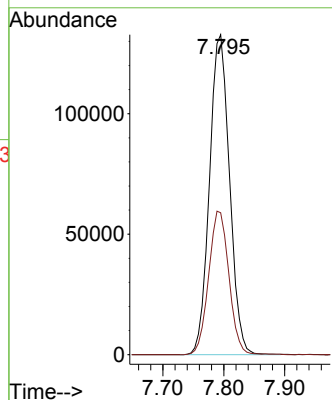
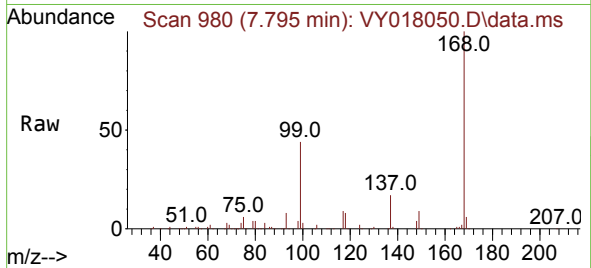




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

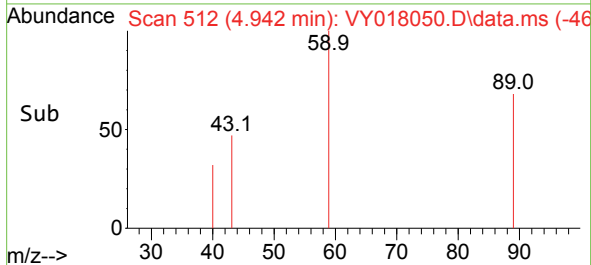
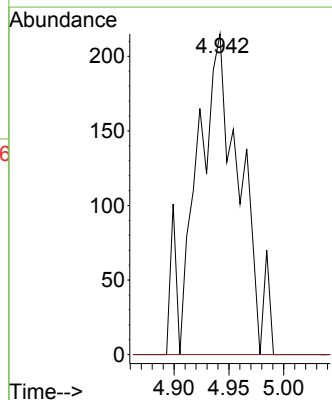
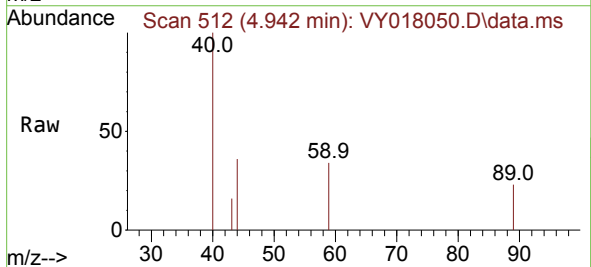
Instrument :
MSVOA_Y
ClientSampleId :

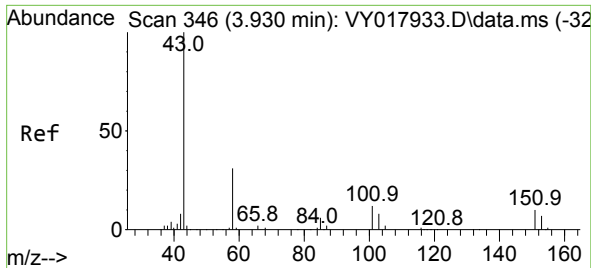
Tgt Ion:168 Resp: 303641
Ion Ratio Lower Upper
168 100
99 44.3 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

Tgt Ion: 59 Resp: 563
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 6.641 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

Instrument :

MSVOA_Y

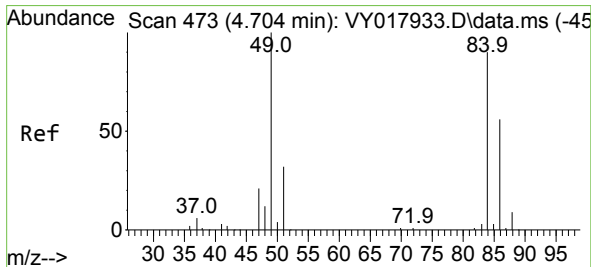
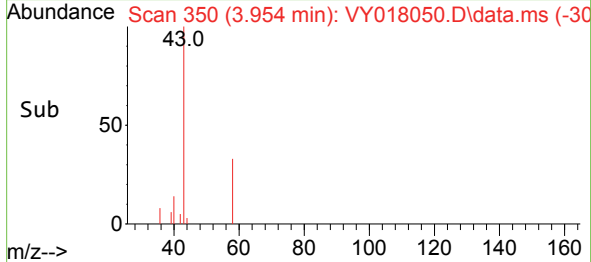
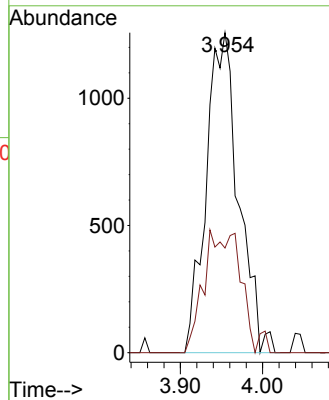
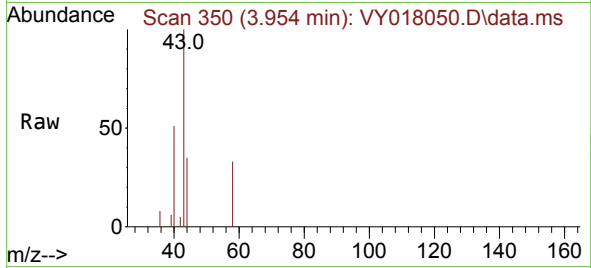
ClientSampleId :

Tgt Ion: 43 Resp: 3448

Ion Ratio Lower Upper

43 100

58 32.7 31.7 47.5



#20

Methylene Chloride

Concen: 6.288 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

Tgt Ion: 84 Resp: 22117

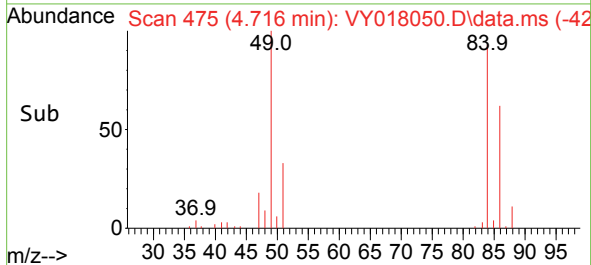
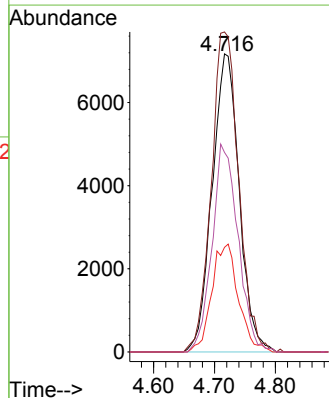
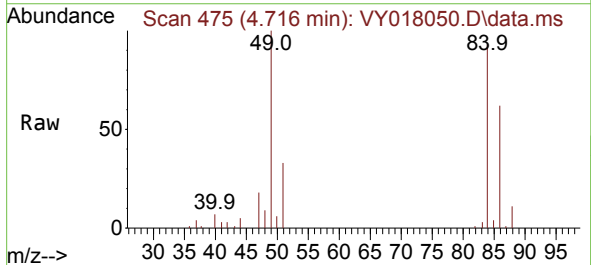
Ion Ratio Lower Upper

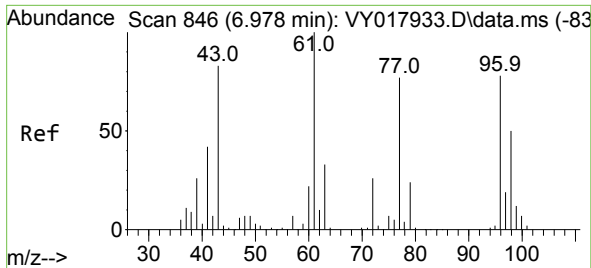
84 100

49 107.3 84.4 126.6

51 35.1 26.0 39.0

86 66.9 49.5 74.3

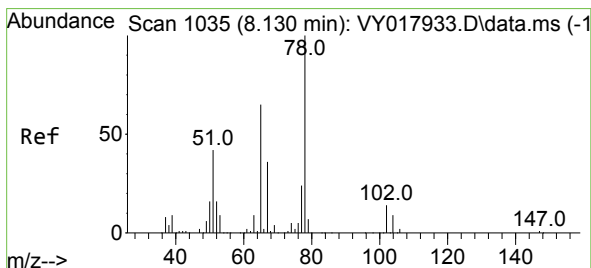
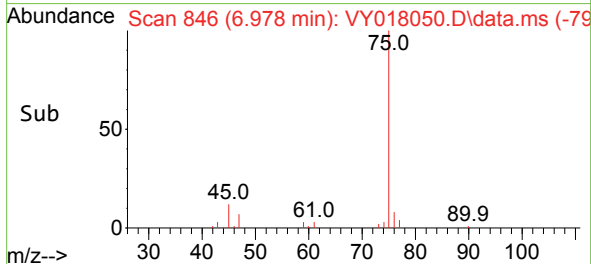
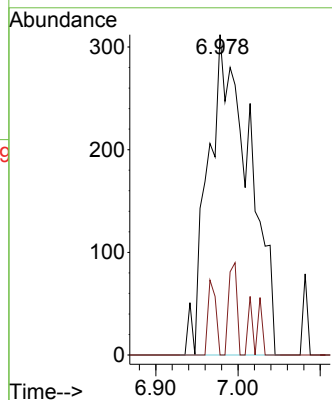
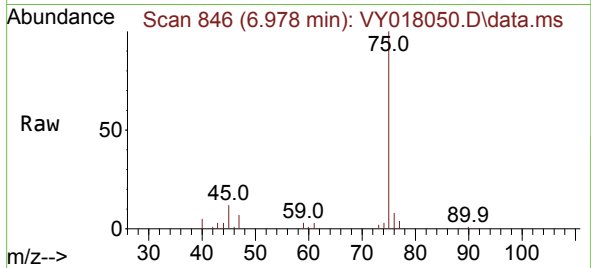




#25
2-Butanone
Concen: 1.426 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

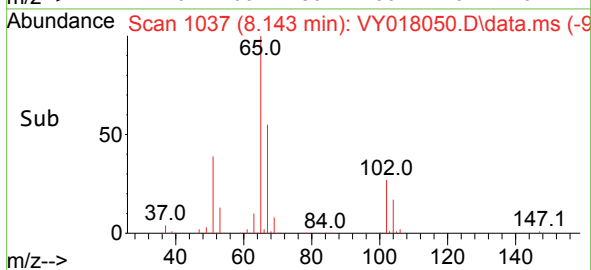
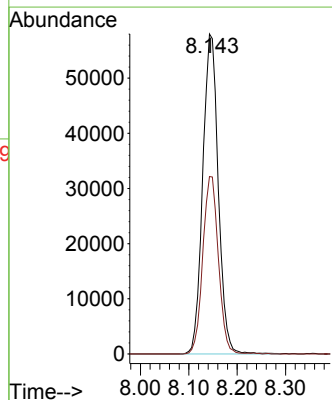
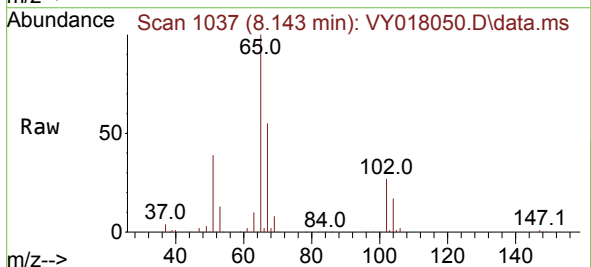
Instrument :
MSVOA_Y
ClientSampleId :

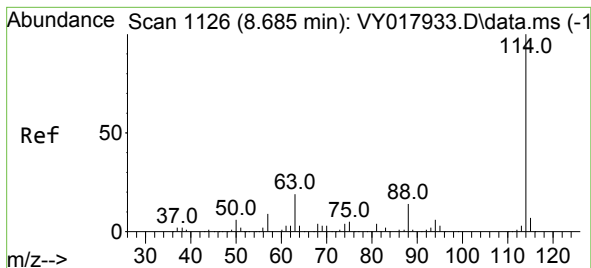
Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#33
1,2-Dichloroethane-d4
Concen: 49.325 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

Tgt Ion: 65 Resp: 129607
Ion Ratio Lower Upper
65 100
67 55.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

Instrument :

MSVOA_Y

ClientSampleId :

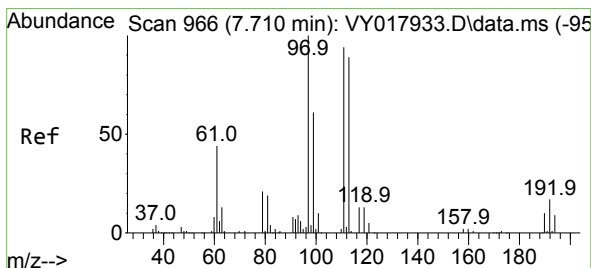
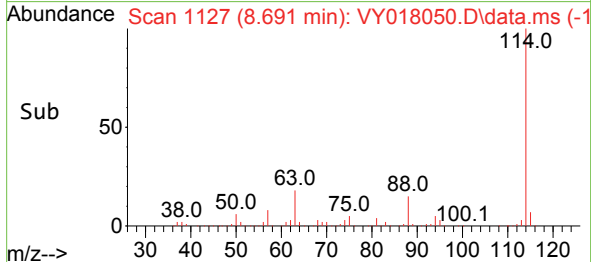
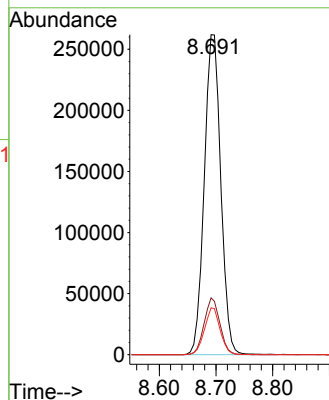
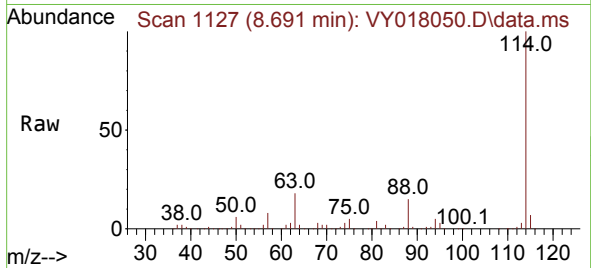
Tgt Ion:114 Resp: 529277

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 14.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.158 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

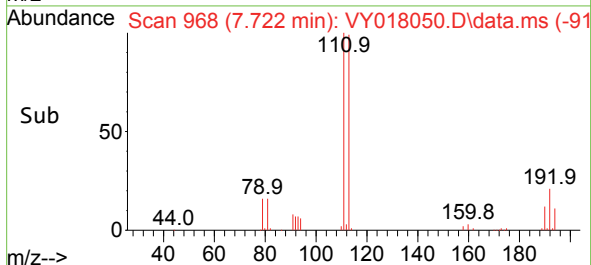
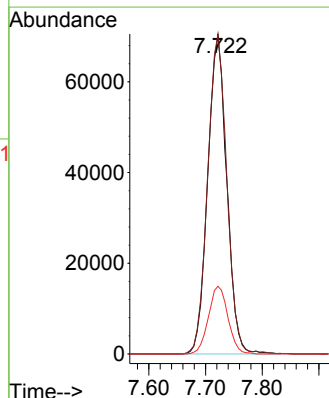
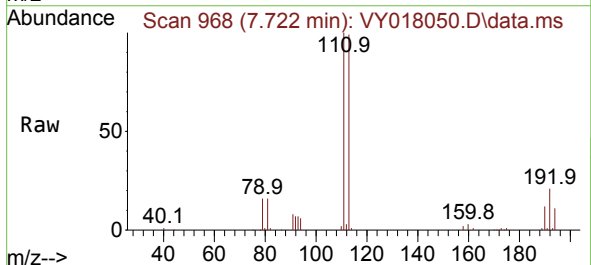
Tgt Ion:113 Resp: 163782

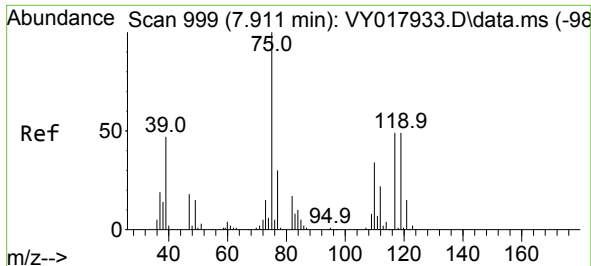
Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 21.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.022 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

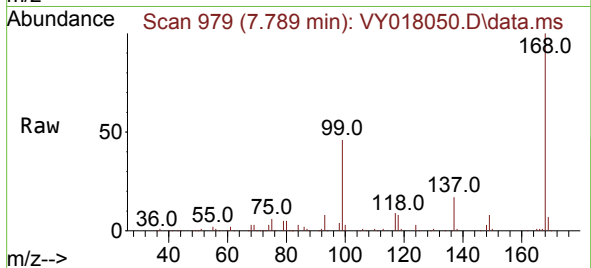
Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

Instrument :

MSVOA_Y

ClientSampleId :



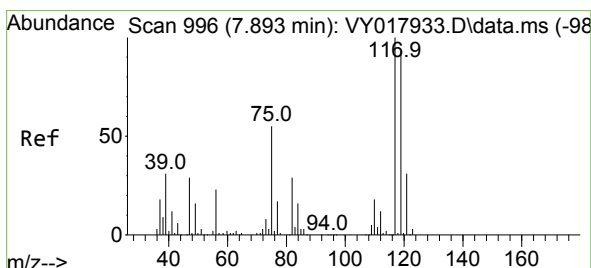
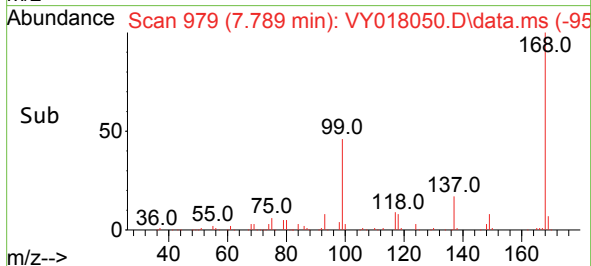
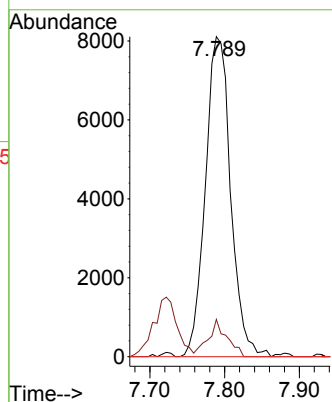
Tgt Ion: 75 Resp: 19101

Ion Ratio Lower Upper

75 100

110 8.6 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.468 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

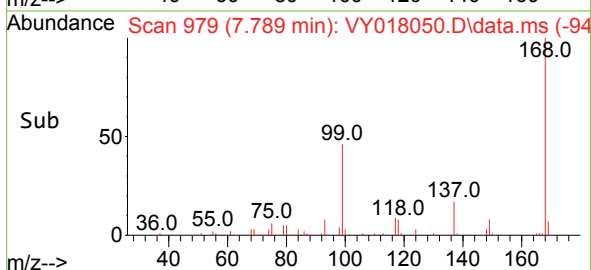
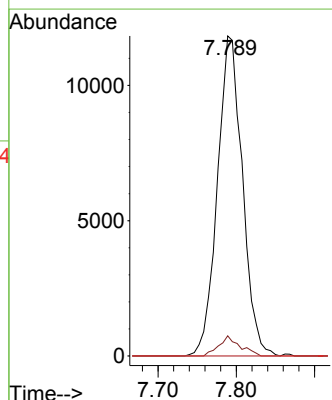
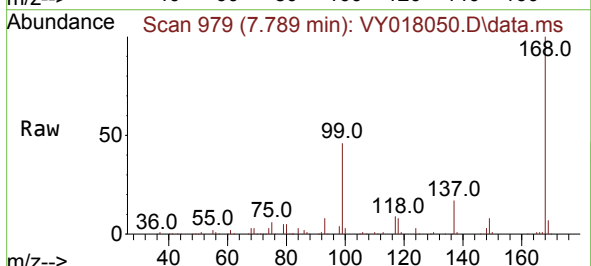
Tgt Ion: 117 Resp: 26232

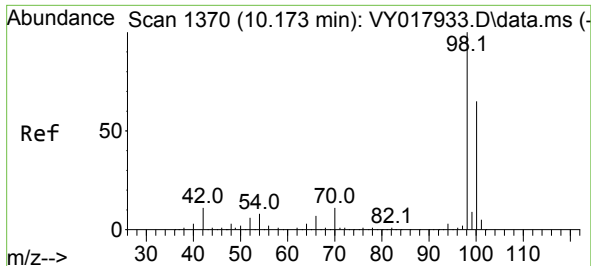
Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

121 0.0 24.0 36.0#

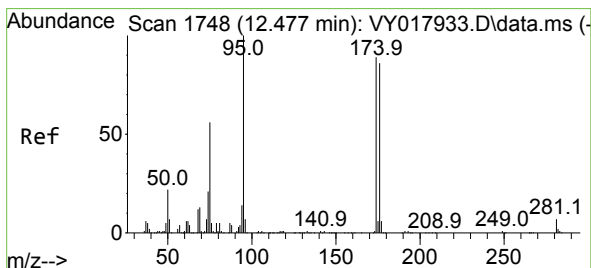
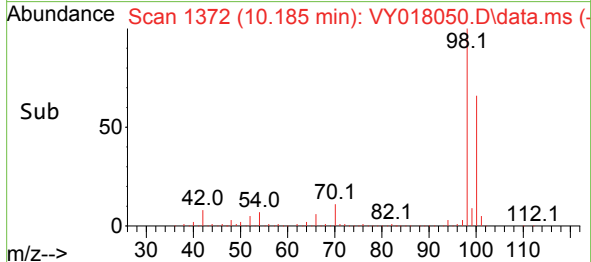
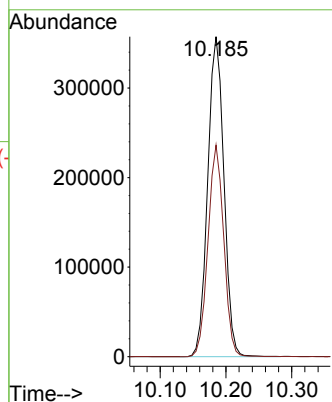
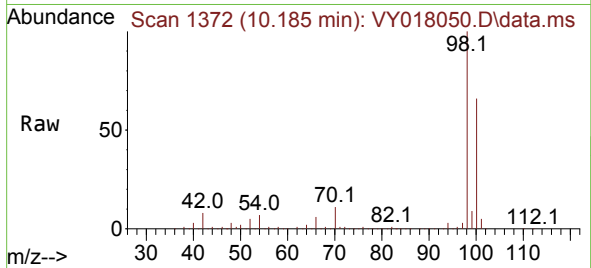




#50
Toluene-d8
Concen: 49.464 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

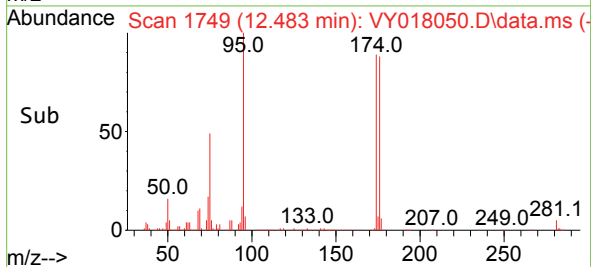
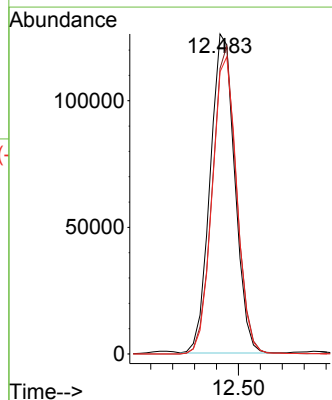
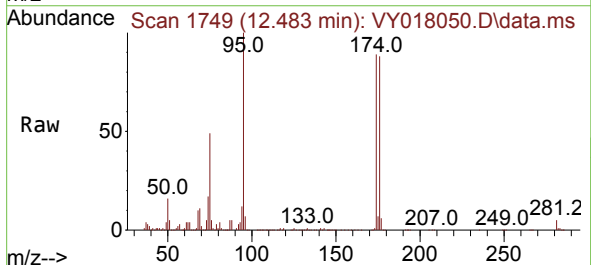
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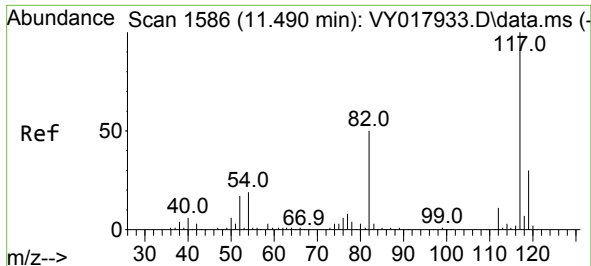
Tgt Ion: 98 Resp: 612868
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 51.274 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

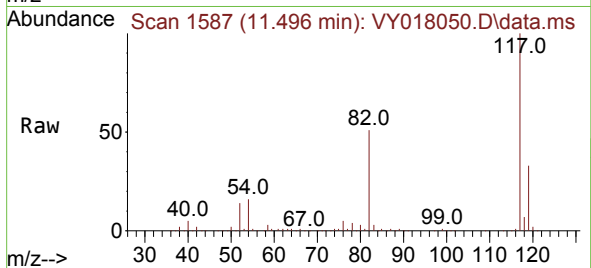
Tgt Ion: 95 Resp: 196755
Ion Ratio Lower Upper
95 100
174 94.4 0.0 175.6
176 93.0 0.0 171.4



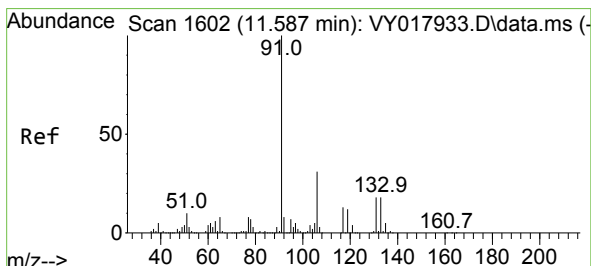
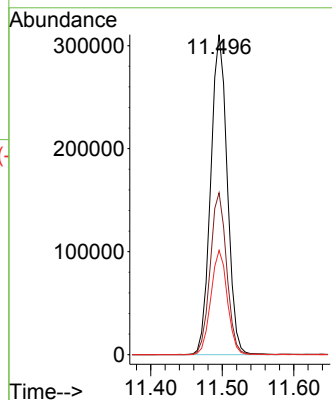
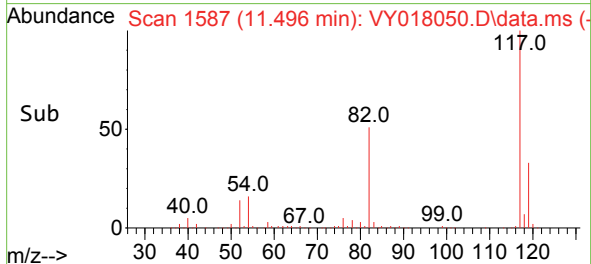


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

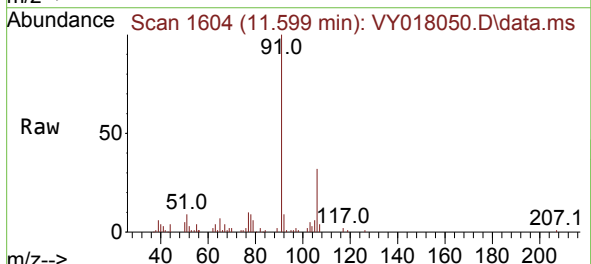
Instrument :
MSVOA_Y
ClientSampleId :



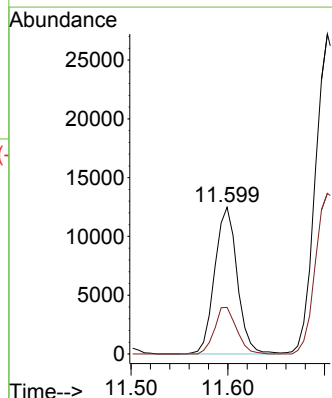
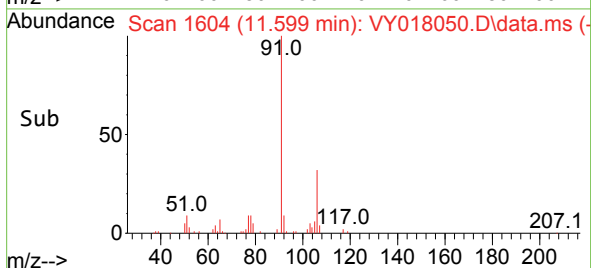
Tgt Ion:117 Resp: 498734
Ion Ratio Lower Upper
117 100
82 50.5 42.4 63.6
119 32.6 25.9 38.9

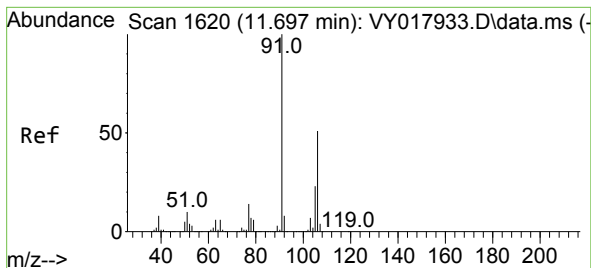


#67
Ethyl Benzene
Concen: 1.097 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53



Tgt Ion: 91 Resp: 20186
Ion Ratio Lower Upper
91 100
106 31.7 24.5 36.7

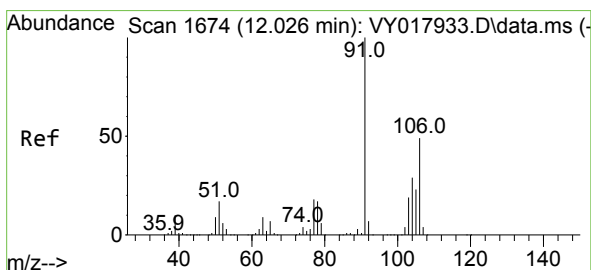
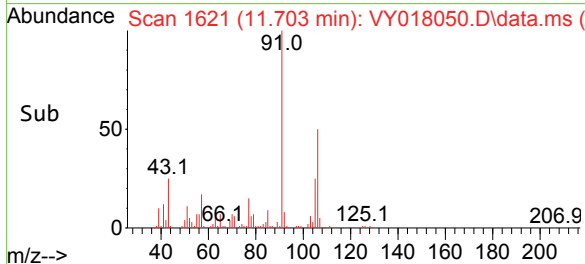
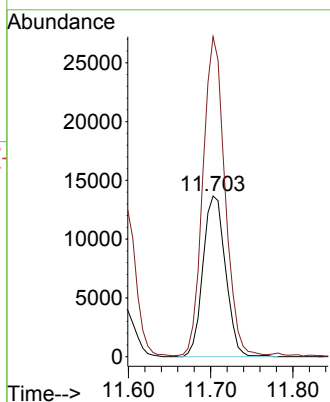
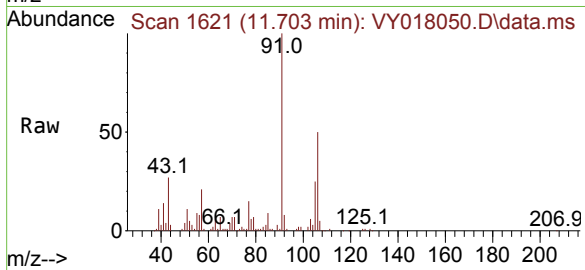




#68
m/p-Xylenes
Concen: 3.681 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

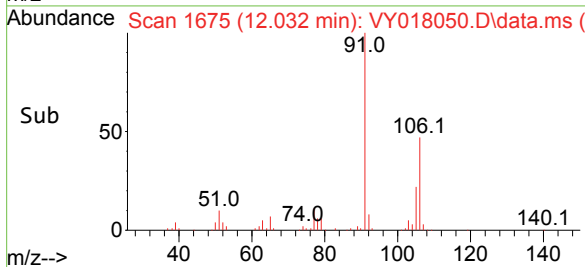
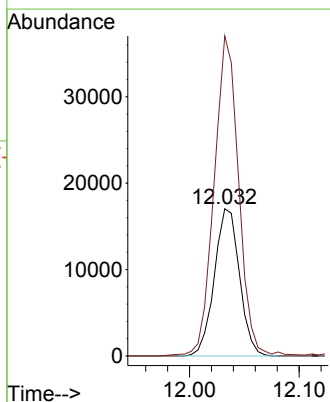
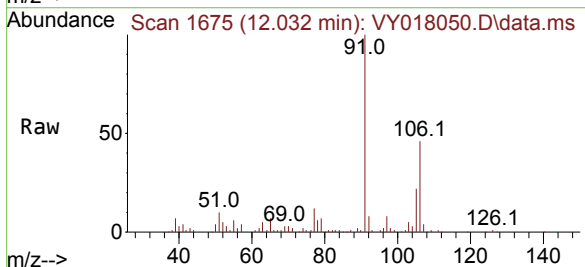
Instrument :
MSVOA_Y
ClientSampleId :

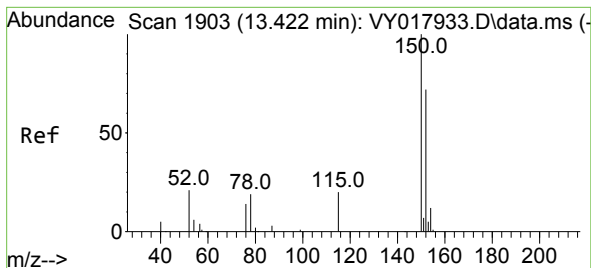
Tgt Ion:106 Resp: 26023
Ion Ratio Lower Upper
106 100
91 193.7 156.0 234.0



#69
o-Xylene
Concen: 4.111 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

Tgt Ion:106 Resp: 27136
Ion Ratio Lower Upper
106 100
91 213.1 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

Instrument :

MSVOA_Y

ClientSampleId :

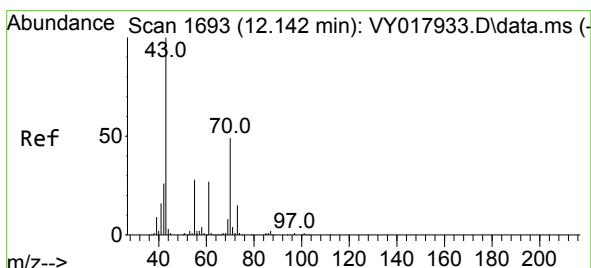
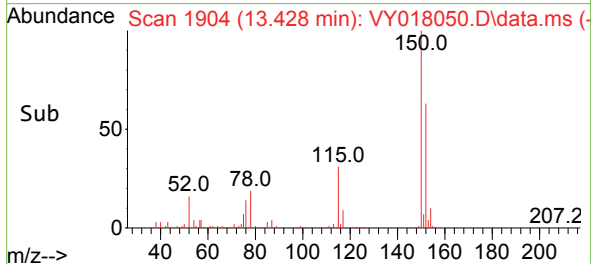
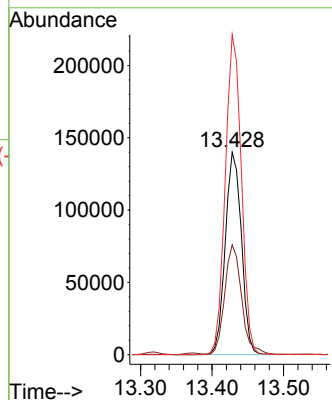
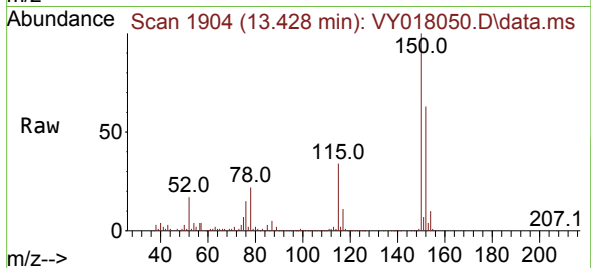
Tgt Ion:152 Resp: 219607

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.7

150 157.3 0.0 345.6



#74

N-ethyl acetate

Concen: 2.041 ug/l

RT: 12.124 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

Tgt Ion: 43 Resp: 6594

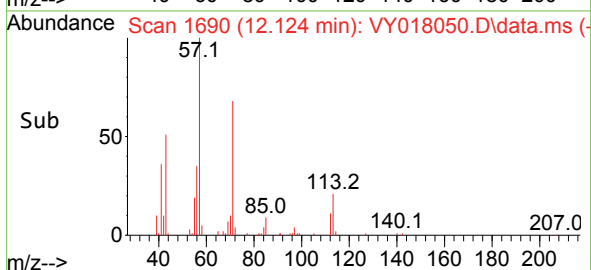
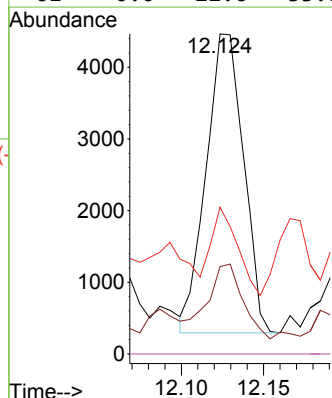
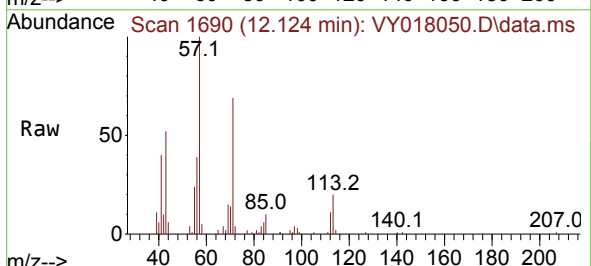
Ion Ratio Lower Upper

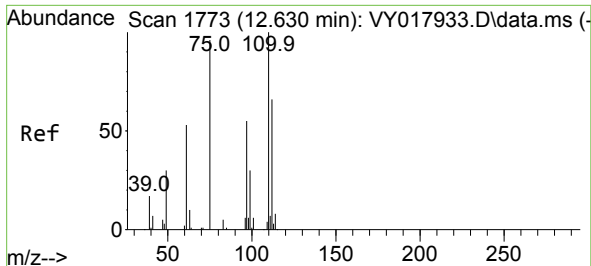
43 100

70 24.1 41.4 62.2#

55 20.5 23.3 34.9#

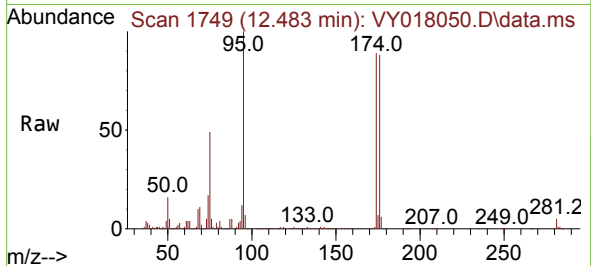
61 0.0 22.6 33.8#



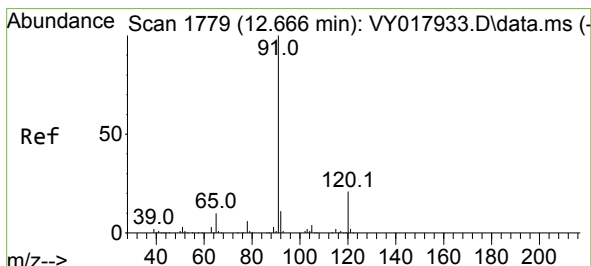
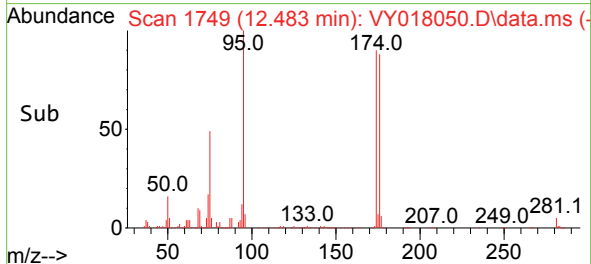
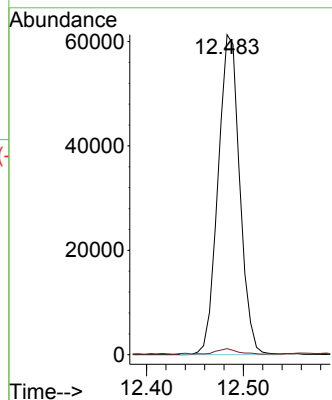


#76
1,2,3-Trichloropropane
Concen: 46.198 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

Instrument :
MSVOA_Y
ClientSampleId :

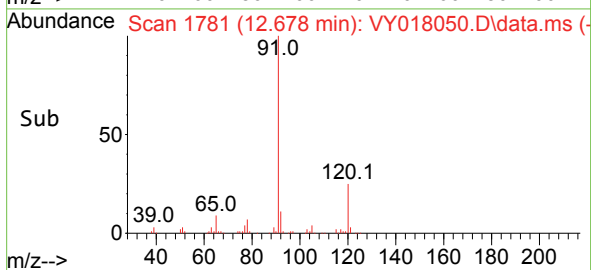
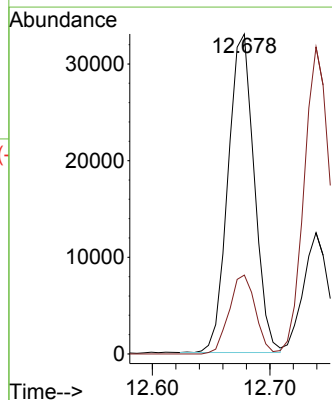
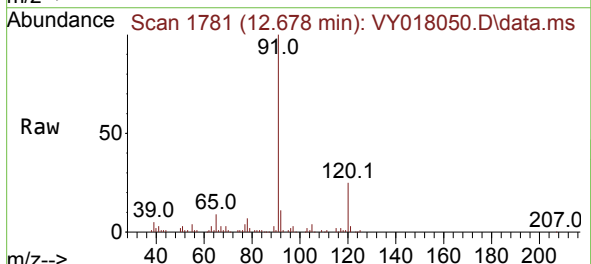


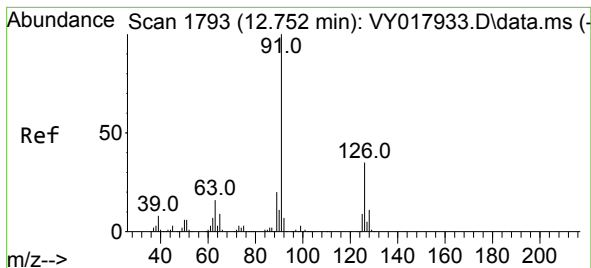
Tgt Ion: 75 Resp: 95203
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#78
n-propylbenzene
Concen: 2.635 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

Tgt Ion: 91 Resp: 51150
Ion Ratio Lower Upper
91 100
120 24.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 1.611 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. -0.018 min

Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

Instrument :

MSVOA_Y

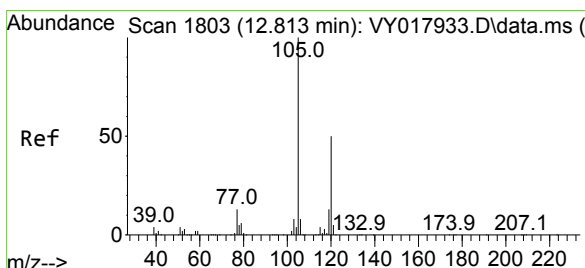
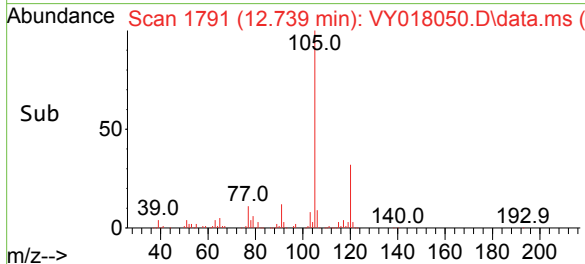
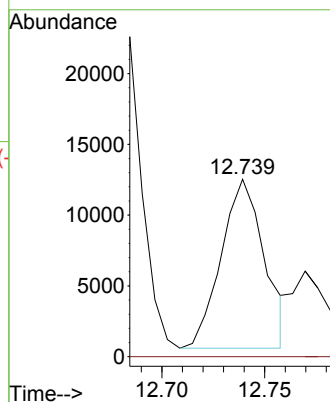
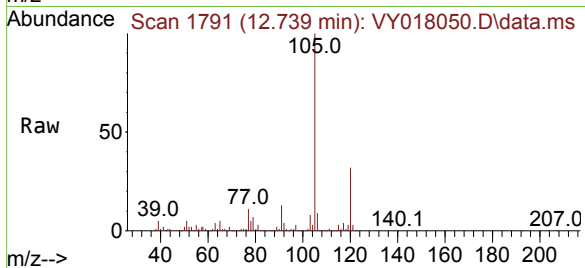
ClientSampleId :

Tgt Ion: 91 Resp: 17503

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#



#80

1,3,5-Trimethylbenzene

Concen: 6.445 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY018050.D

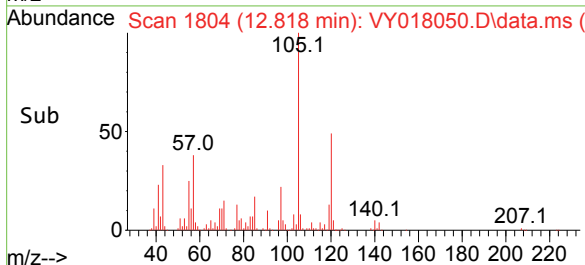
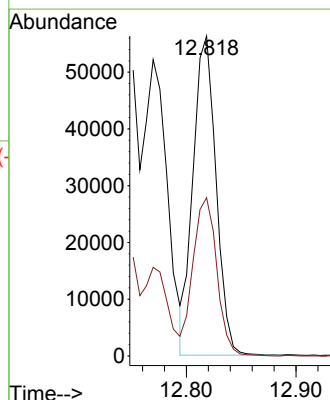
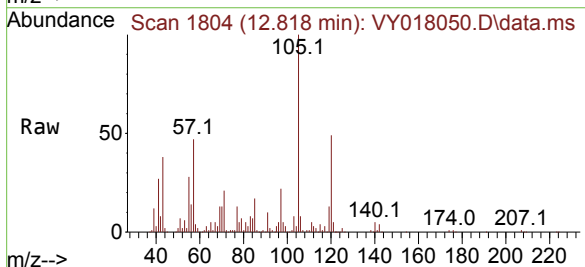
Acq: 25 Apr 2024 14:53

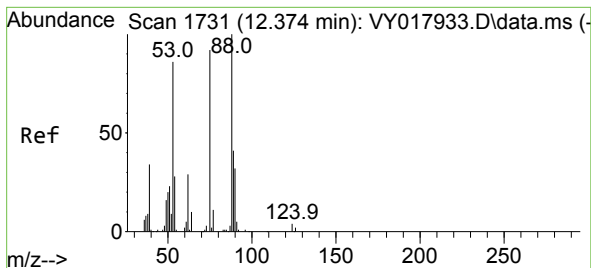
Tgt Ion:105 Resp: 81783

Ion Ratio Lower Upper

105 100

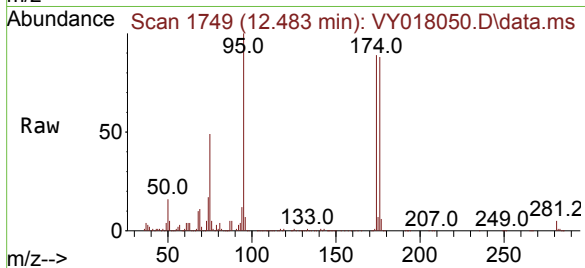
120 51.6 25.1 75.2



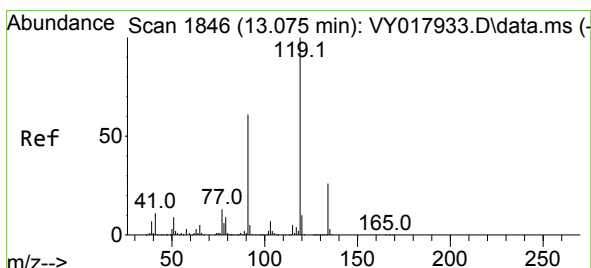
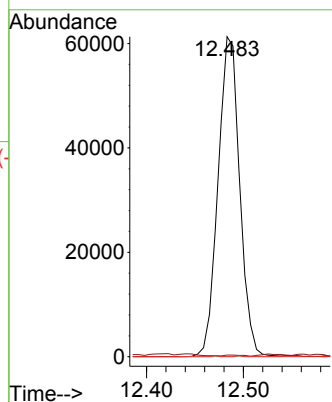
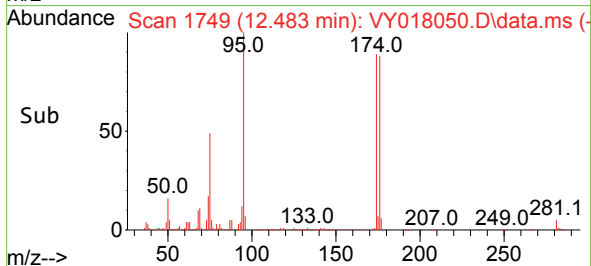


#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.252 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY018050.D
 Acq: 25 Apr 2024 14:53

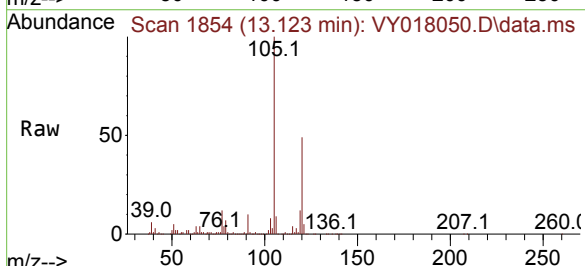
Instrument :
 MSVOA_Y
 ClientSampleId :



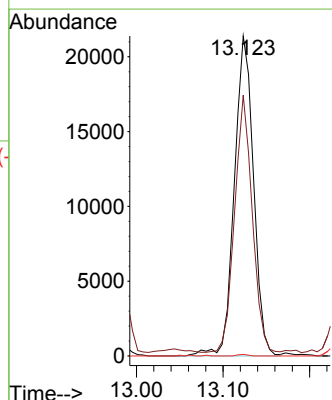
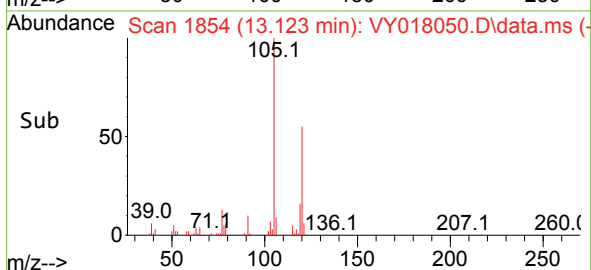
Tgt Ion: 75 Resp: 95203
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.8 100.2#
 89 0.1 35.8 53.6#

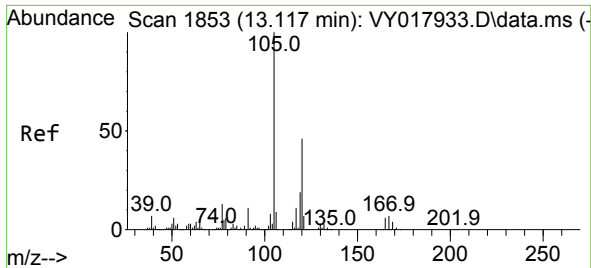


#83
 tert-Butylbenzene
 Concen: 2.836 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.049 min
 Lab File: VY018050.D
 Acq: 25 Apr 2024 14:53



Tgt Ion: 119 Resp: 32864
 Ion Ratio Lower Upper
 119 100
 91 74.1 31.3 93.8
 134 0.0 13.4 40.1#

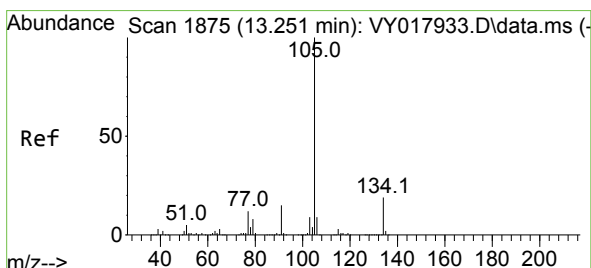
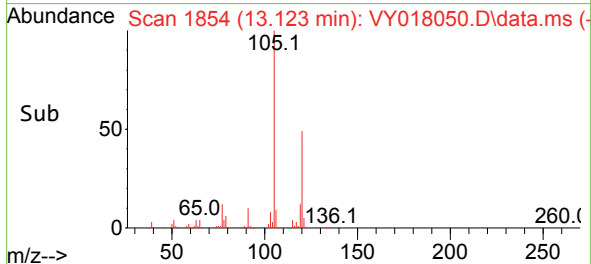
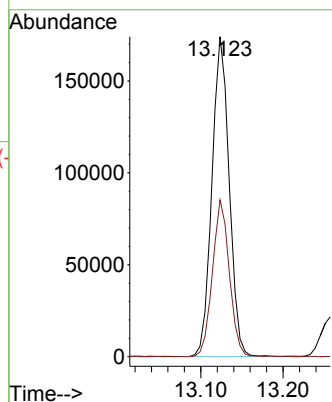
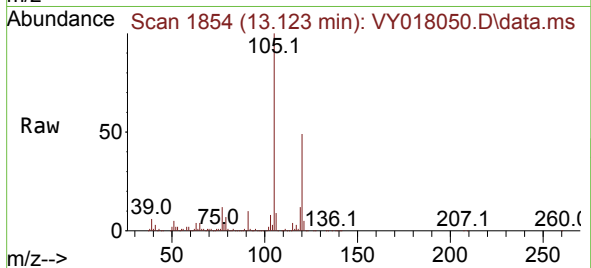




#84
1,2,4-Trimethylbenzene
Concen: 20.083 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

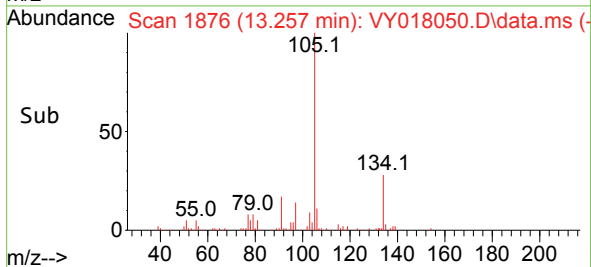
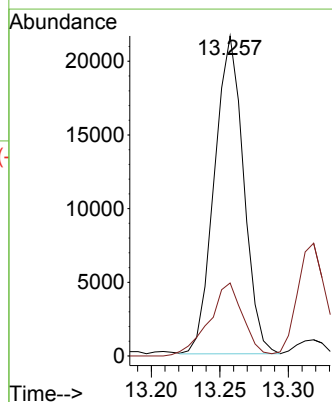
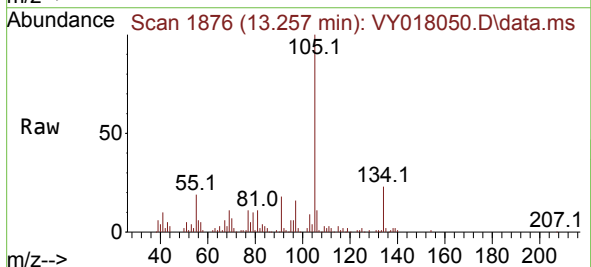
Instrument :
MSVOA_Y
ClientSampleId :

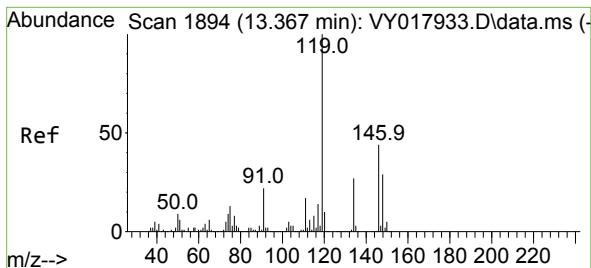
Tgt Ion:105 Resp: 253769
Ion Ratio Lower Upper
105 100
120 48.1 23.2 69.6



#85
sec-Butylbenzene
Concen: 1.840 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

Tgt Ion:105 Resp: 32025
Ion Ratio Lower Upper
105 100
134 26.5 10.1 30.1

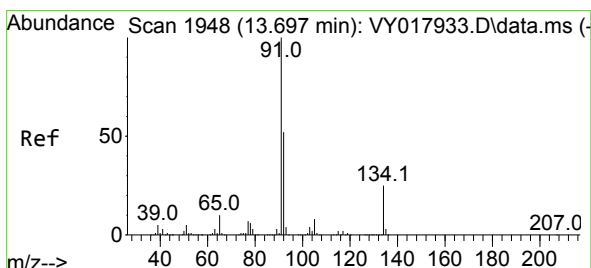
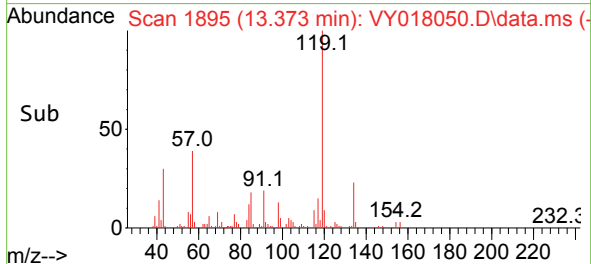
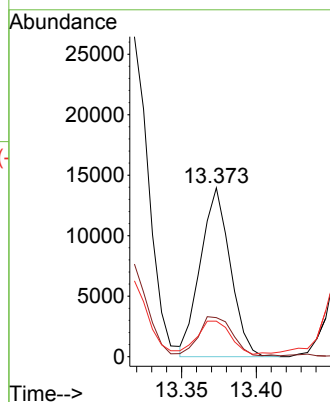
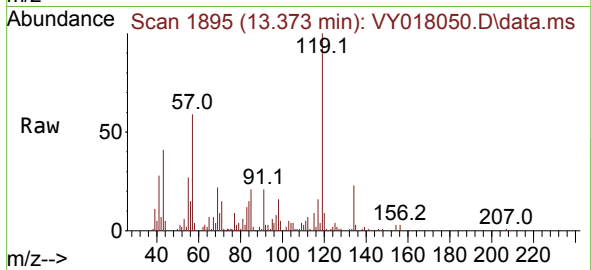




#86
p-Isopropyltoluene
Concen: 1.353 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

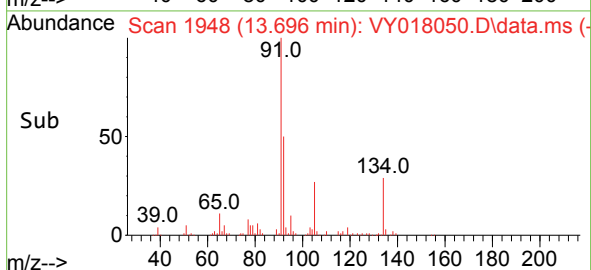
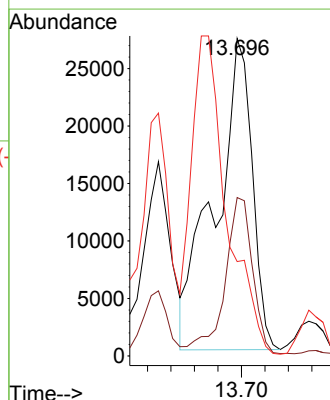
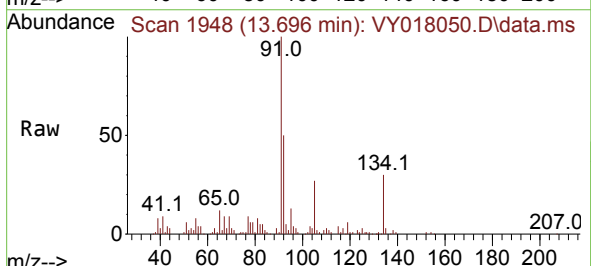
Instrument :
MSVOA_Y
ClientSampleId :

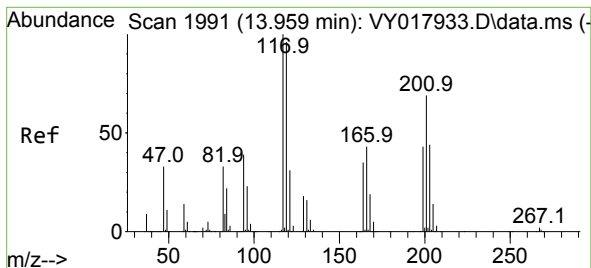
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.3
91	20.1	10.7	32.1



#89
n-Butylbenzene
Concen: 4.380 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	38.8	26.6	79.7
134	0.0	12.9	38.7#





#90

Hexachloroethane

Concen: 3.765 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.018 min

Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

Instrument :

MSVOA_Y

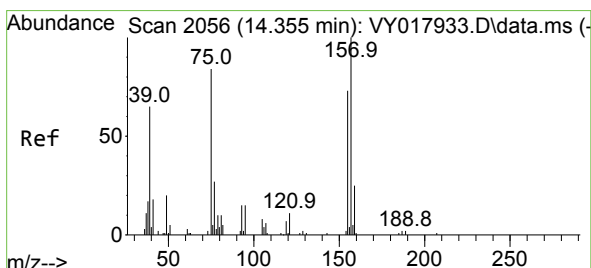
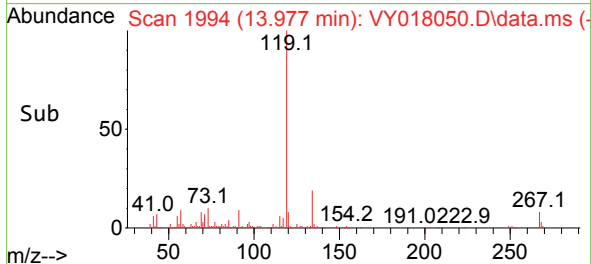
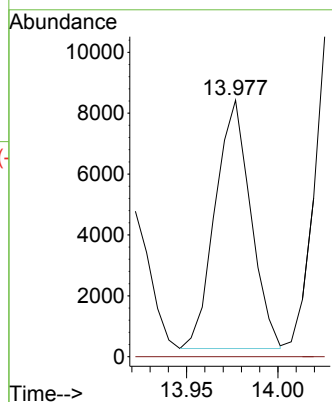
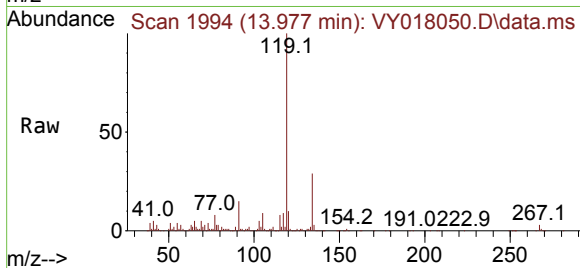
ClientSampleId :

Tgt Ion:117 Resp: 11044

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.321 ug/l

RT: 14.337 min Scan# 2053

Delta R.T. -0.018 min

Lab File: VY018050.D

Acq: 25 Apr 2024 14:53

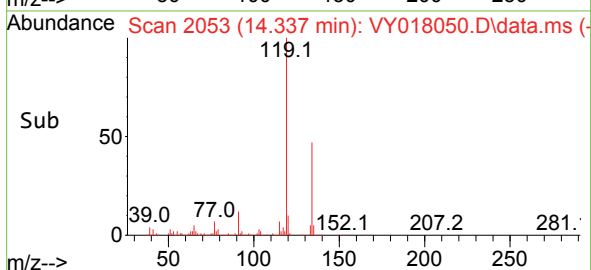
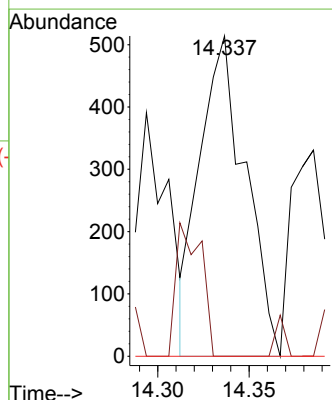
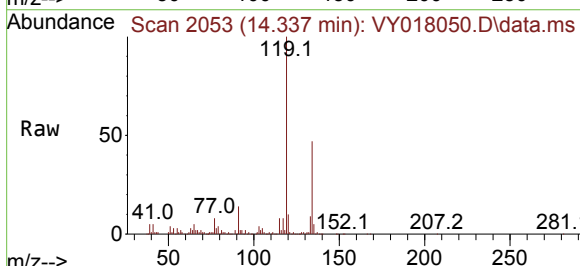
Tgt Ion: 75 Resp: 891

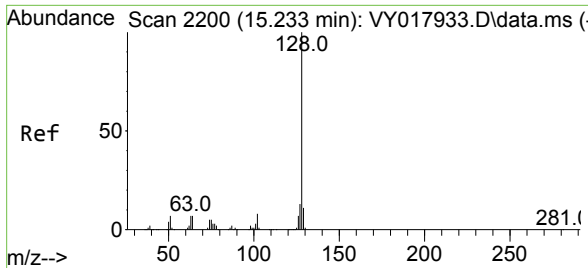
Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

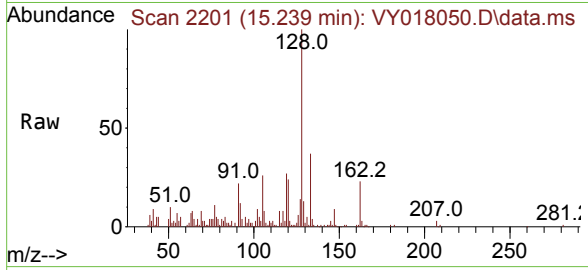
157 0.0 62.7 188.2#





#95
Naphthalene
Concen: 5.020 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY018050.D
Acq: 25 Apr 2024 14:53

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 31930
Ion Ratio Lower Upper
128 100
127 13.9 10.6 16.0
129 15.1 8.6 13.0#

