

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062222\
 Data File : VY009275.D
 Acq On : 22 Jun 2022 15:35
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 23 01:56:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

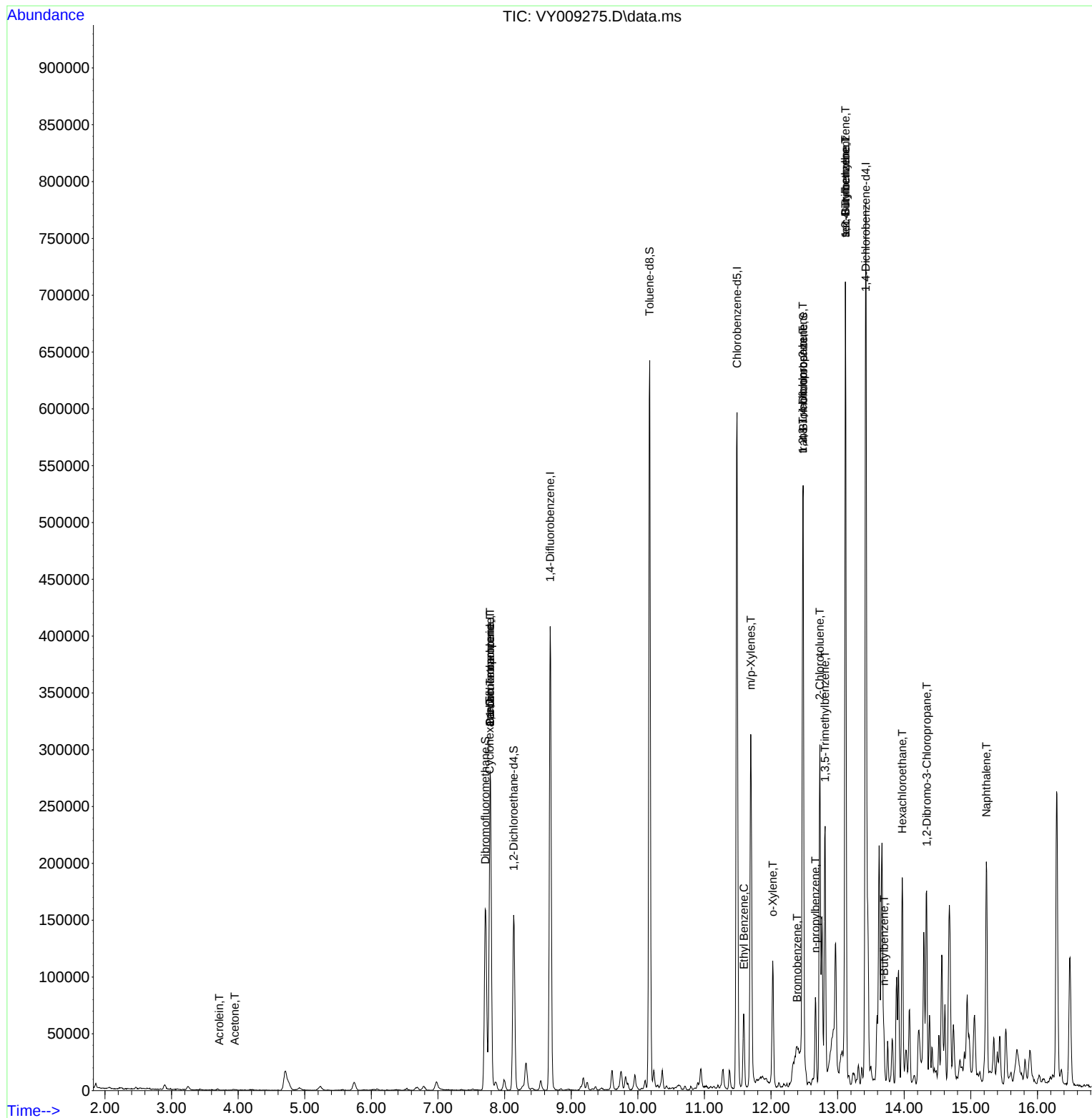
Internal Standards						
1) Pentafluorobenzene	7.783	168	232237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	356704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	330336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	201843	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119908	47.01	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.02%		
35) Dibromofluoromethane	7.710	113	111021	48.06	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.12%		
50) Toluene-d8	10.179	98	417497	47.05	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.10%		
62) 4-Bromofluorobenzene	12.483	95	155072	49.73	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.46%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.911	59	1184	Below Cal	#	77
13) Acrolein	3.716	56	36	30.35	ug/l #	14
16) Acetone	3.948	43	1052	1.67	ug/l #	80
18) Methyl Acetate	4.710	43	2055	Below Cal	#	56
20) Methylene Chloride	4.704	84	11506	Below Cal	#	77
31) Cyclohexane	7.777	56	5987	1.35	ug/l #	34
36) 1,1-Dichloropropene	7.783	75	15245	4.34	ug/l #	51
38) Carbon Tetrachloride	7.783	117	20364	5.57	ug/l #	16
67) Ethyl Benzene	11.593	91	43959	3.41	ug/l	94
68) m/p-Xylenes	11.697	106	94108	18.60	ug/l	91
69) o-Xylene	12.026	106	29183	6.06	ug/l	91
76) 1,2,3-Trichloropropane	12.477	75	81313	34.36	ug/l #	100
77) Bromobenzene	12.392	156	53522	13.91	ug/l #	1
78) n-propylbenzene	12.666	91	55045	2.89	ug/l	96
79) 2-Chlorotoluene	12.733	91	21367	1.99	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.812	105	98748	7.51	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.477	75	81313	72.86	ug/l #	7
83) tert-Butylbenzene	13.117	119	45460	3.97	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.117	105	354896	27.55	ug/l	96
85) sec-Butylbenzene	13.117	105	354896	20.68	ug/l #	56
89) n-Butylbenzene	13.696	91	17967	1.35	ug/l #	72
90) Hexachloroethane	13.971	117	8646	3.20	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.337	75	851	1.59	ug/l #	6
95) Naphthalene	15.233	128	153505	18.72	ug/l	98

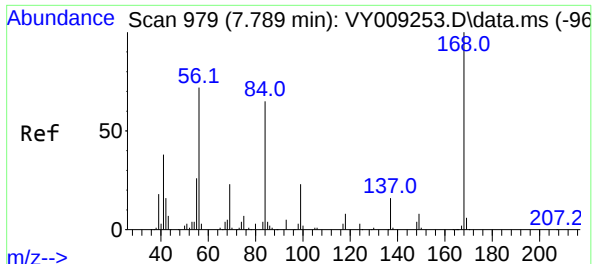
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062222\
Data File : VY009275.D
Acq On : 22 Jun 2022 15:35
Operator : KP/MD
Sample : VIBLK
Misc : 5.00/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Jun 23 01:56:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 21 14:08:27 2022
Response via : Initial Calibration

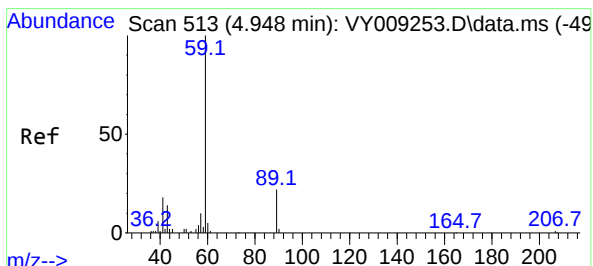
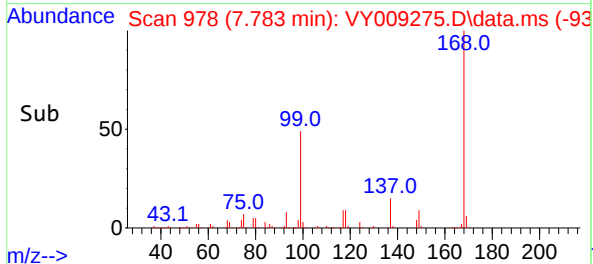
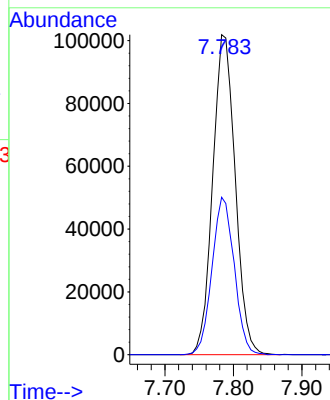
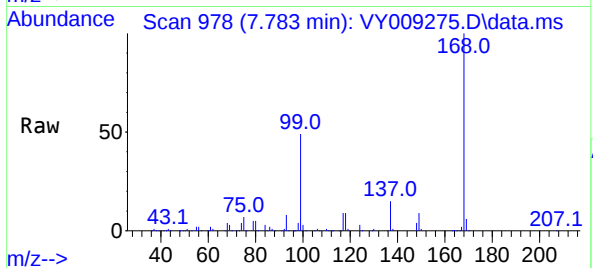




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

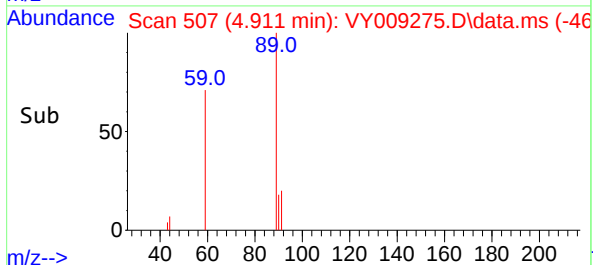
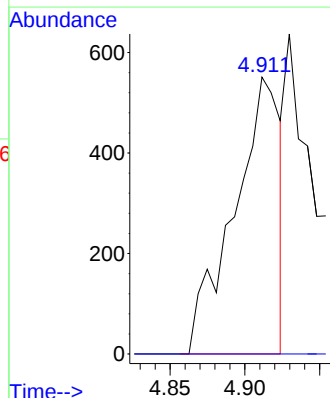
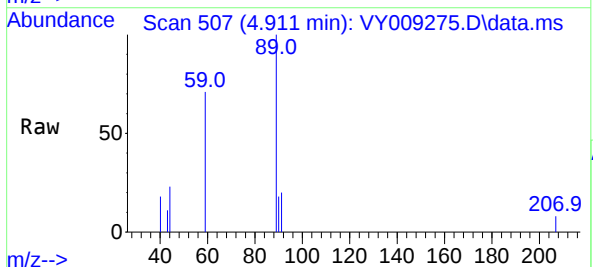
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

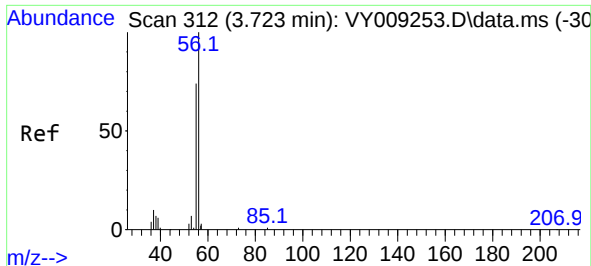
Tgt Ion:168 Resp: 232237
Ion Ratio Lower Upper
168 100
99 49.2 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.037 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 59 Resp: 1184
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

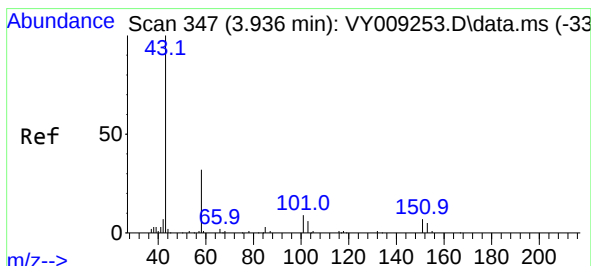
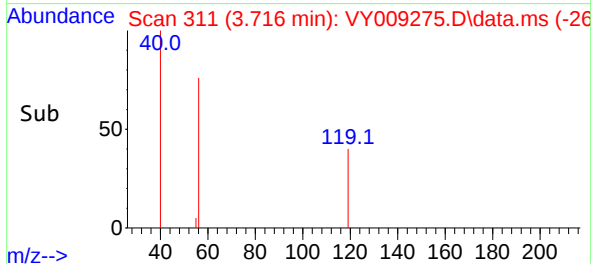
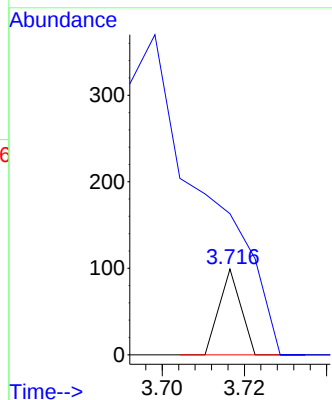
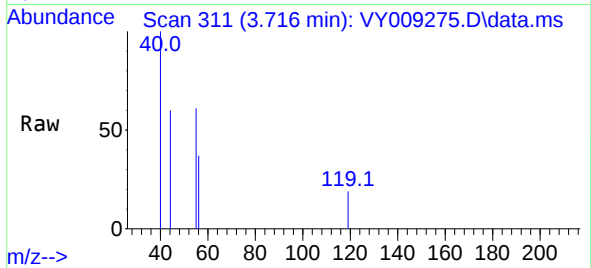




#13
Acrolein
Concen: 30.35 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.007 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

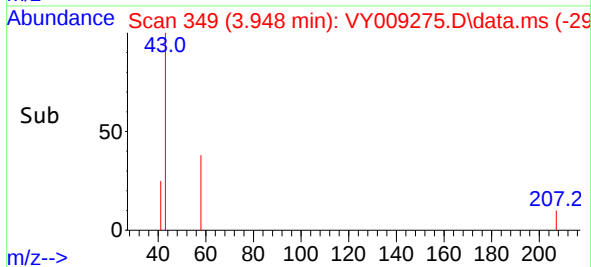
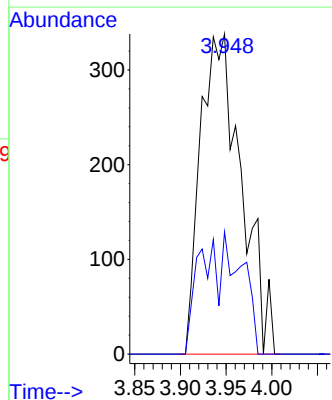
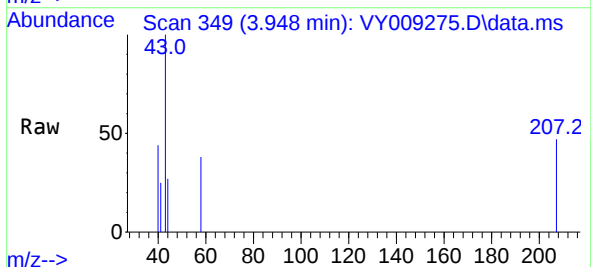
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

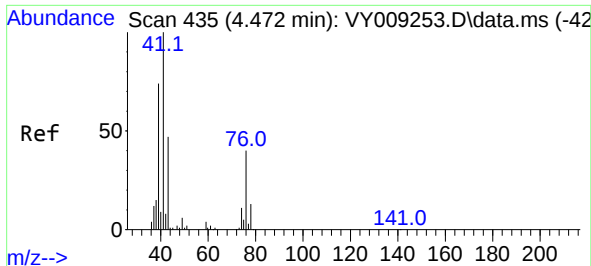
Tgt Ion: 56 Resp: 36
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 1.67 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
58 38.2 22.0 33.0#

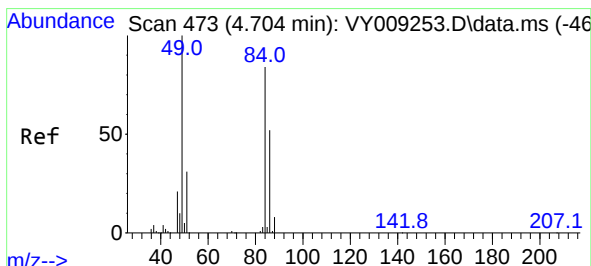
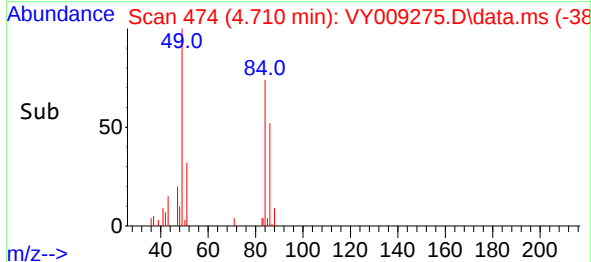
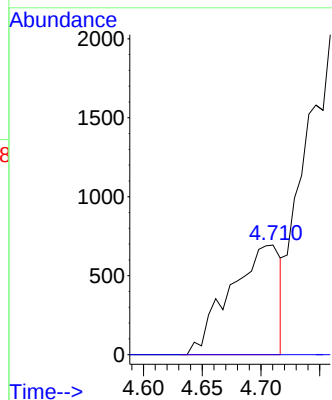
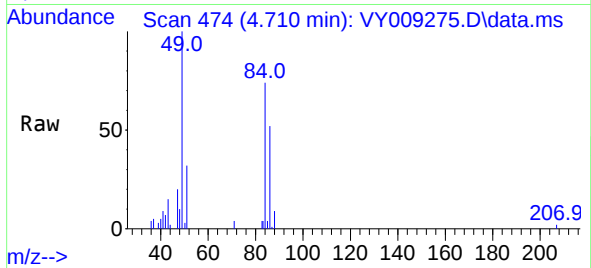




#18
Methyl Acetate
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.238 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

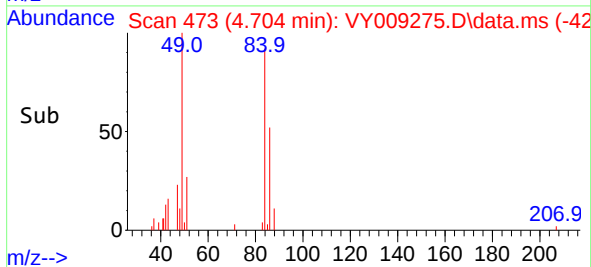
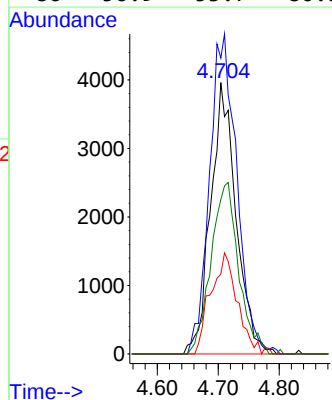
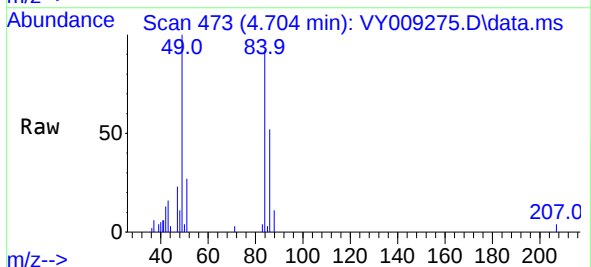
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

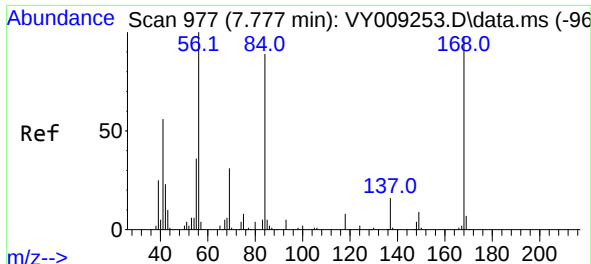
Tgt Ion: 43 Resp: 2055
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 84 Resp: 11506
Ion Ratio Lower Upper
84 100
49 109.0 114.4 171.6#
51 29.4 35.3 52.9#
86 56.9 53.7 80.5

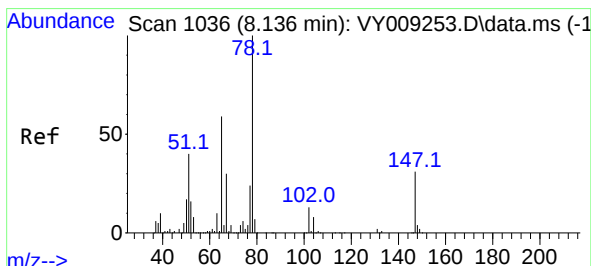
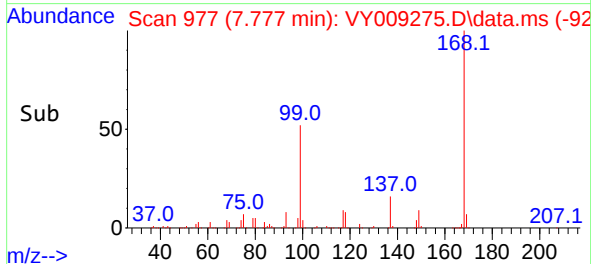
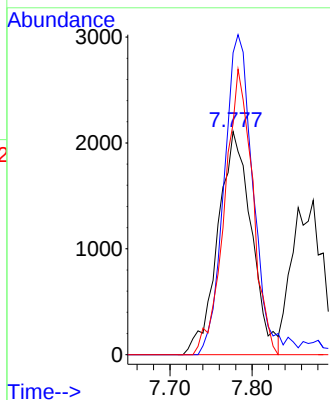
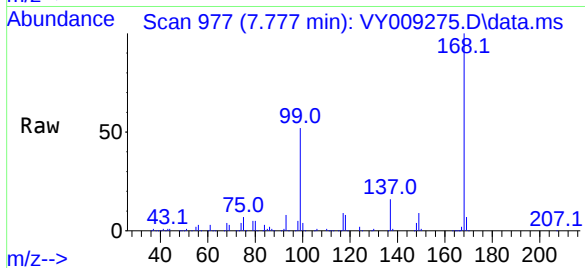




#31
Cyclohexane
Concen: 1.35 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

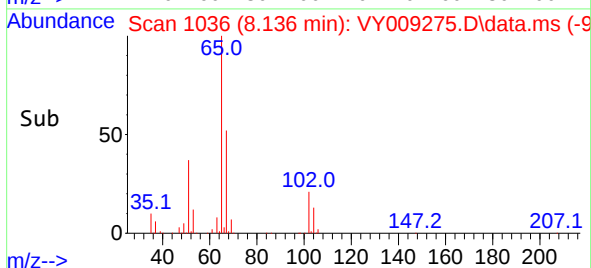
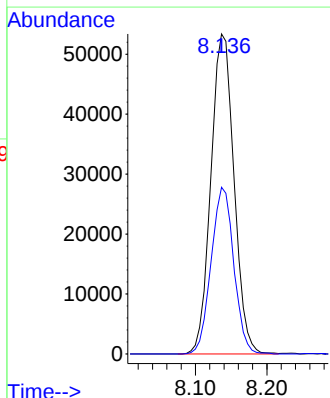
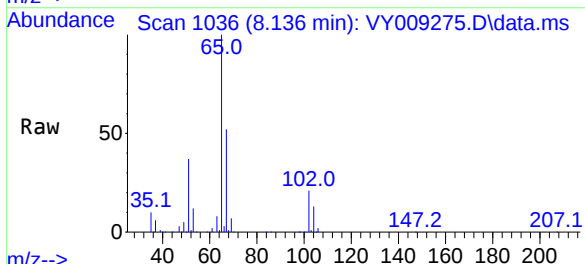
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

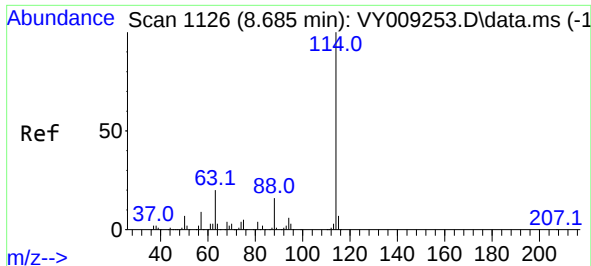
Tgt Ion: 56 Resp: 5987
Ion Ratio Lower Upper
56 100
69 135.2 26.7 40.1#
84 103.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 47.01 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 65 Resp: 119908
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009275.D

Acq: 22 Jun 2022 15:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

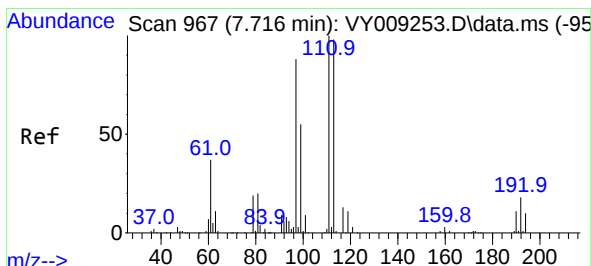
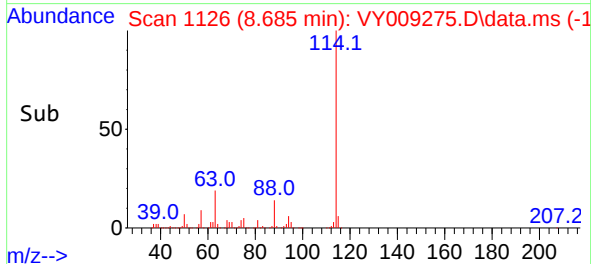
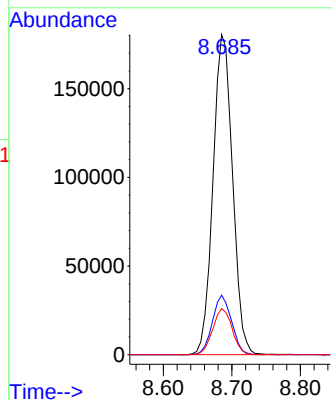
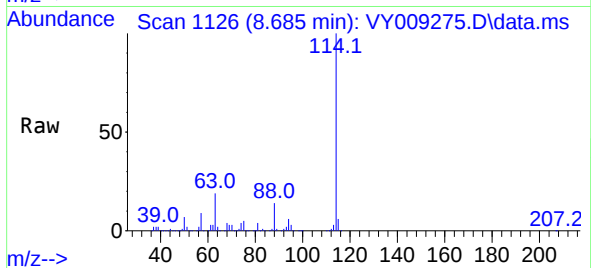
Tgt Ion:114 Resp: 356704

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.06 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY009275.D

Acq: 22 Jun 2022 15:35

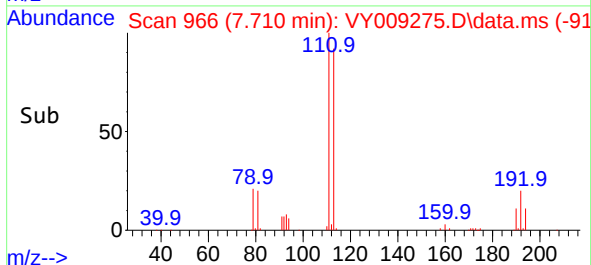
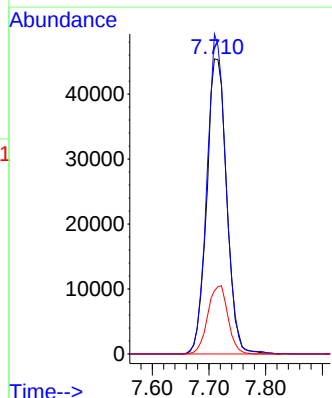
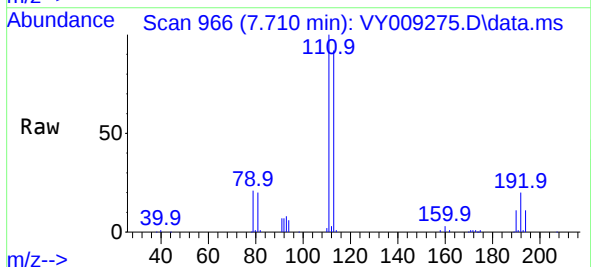
Tgt Ion:113 Resp: 111021

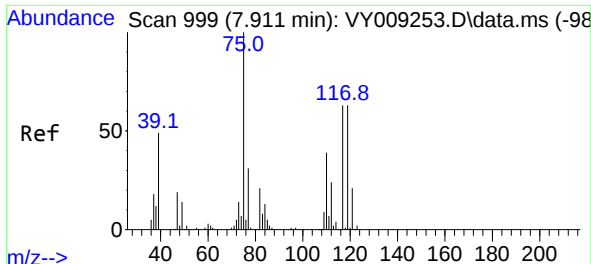
Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

192 23.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.34 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009275.D

Acq: 22 Jun 2022 15:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

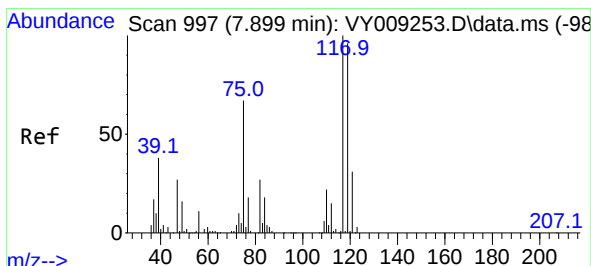
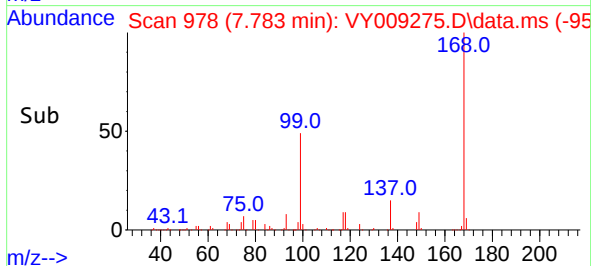
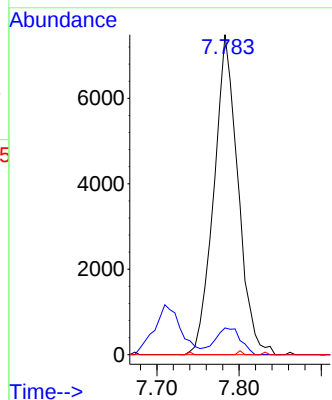
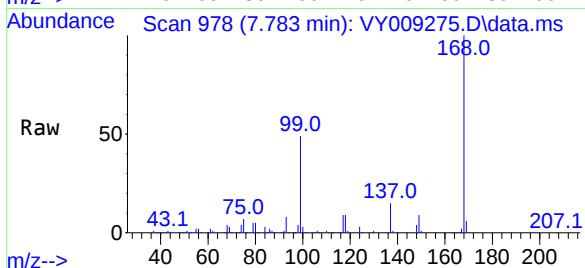
Tgt Ion: 75 Resp: 15245

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.2 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.57 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY009275.D

Acq: 22 Jun 2022 15:35

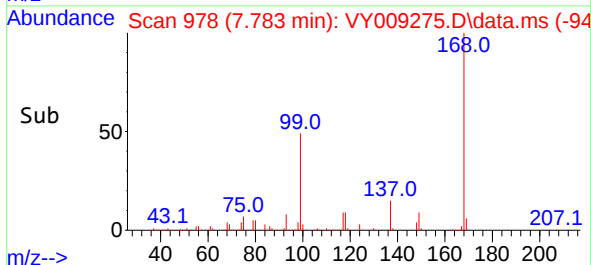
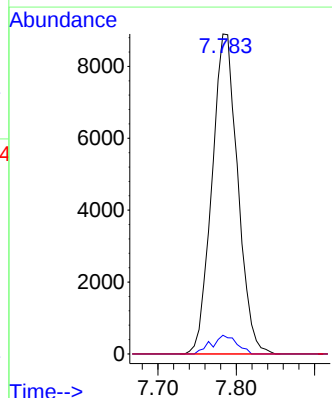
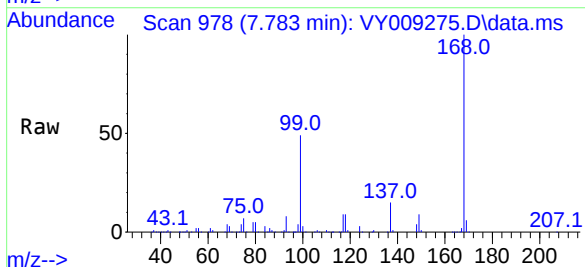
Tgt Ion: 117 Resp: 20364

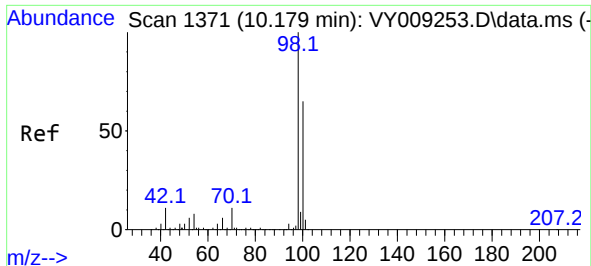
Ion Ratio Lower Upper

117 100

119 5.8 77.9 116.9#

121 0.0 24.8 37.2#

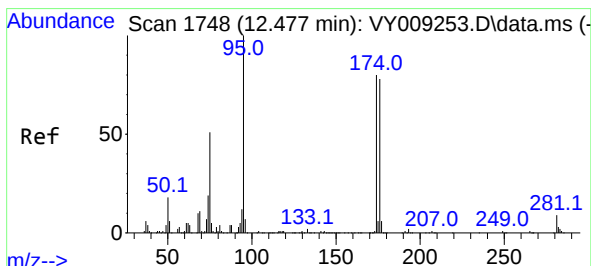
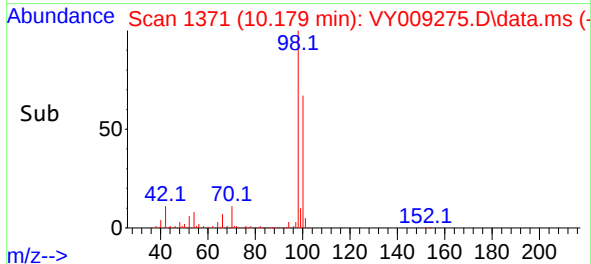
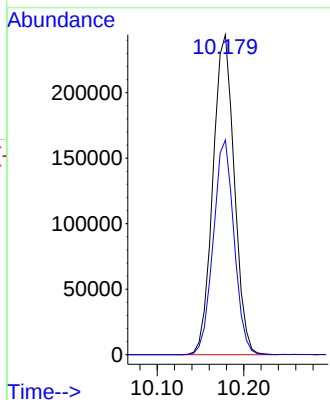
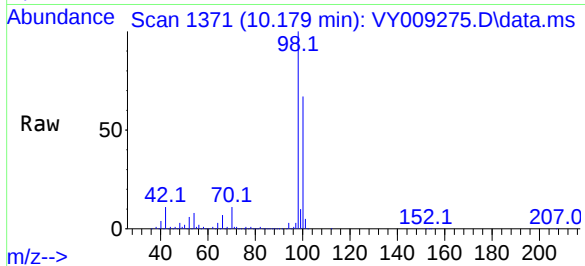




#50
Toluene-d8
Concen: 47.05 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

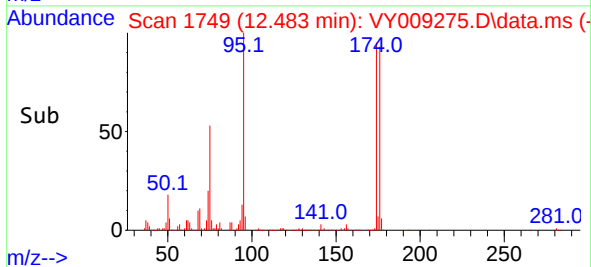
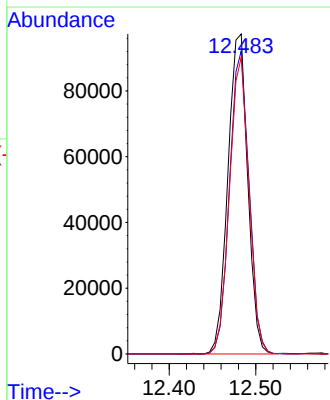
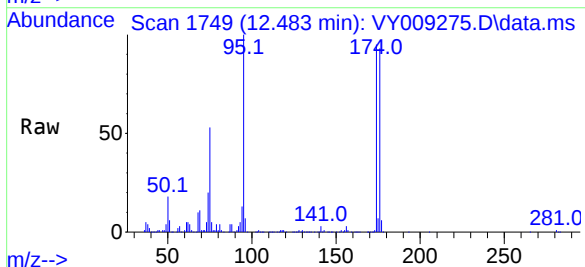
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

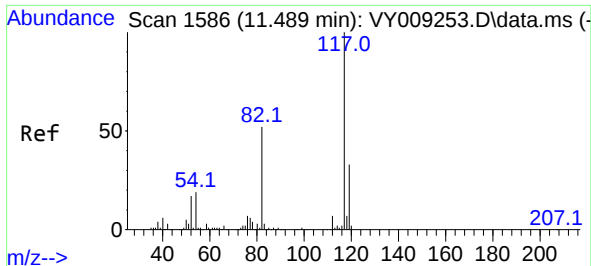
Tgt Ion: 98 Resp: 417497
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 49.73 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 95 Resp: 155072
Ion Ratio Lower Upper
95 100
174 93.0 0.0 177.0
176 90.8 0.0 175.8

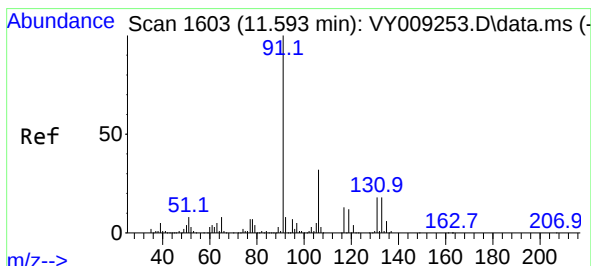
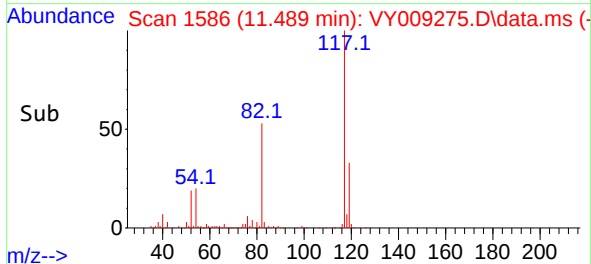
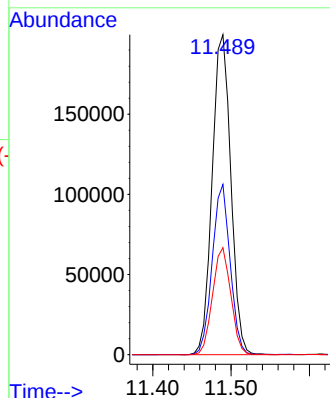
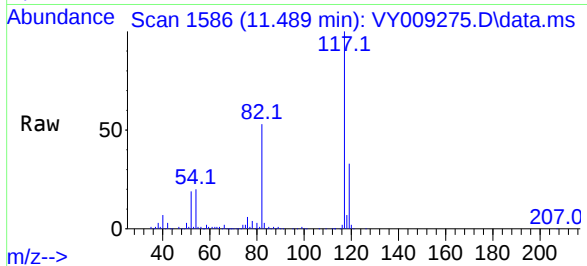




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

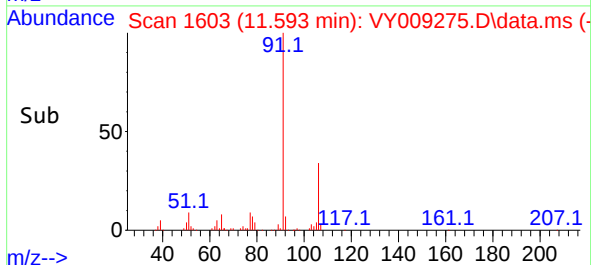
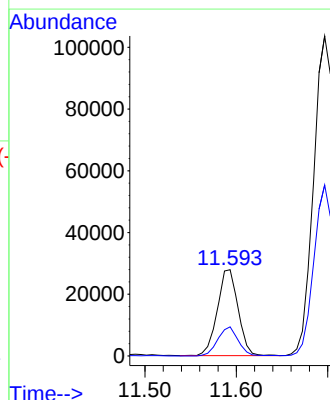
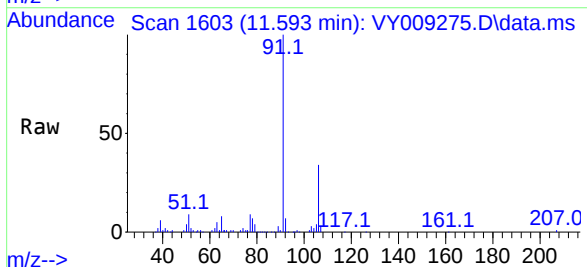
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

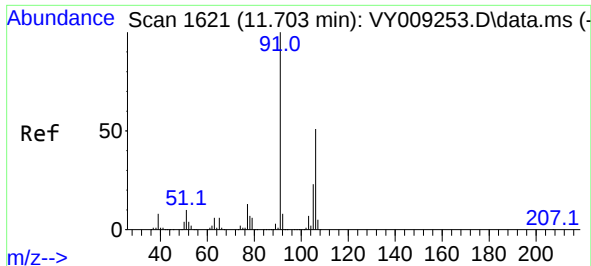
Tgt Ion:117 Resp: 330336
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 33.5 25.4 38.0



#67
Ethyl Benzene
Concen: 3.41 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 91 Resp: 43959
Ion Ratio Lower Upper
91 100
106 33.9 24.5 36.7

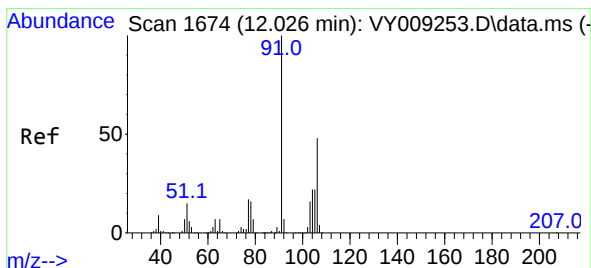
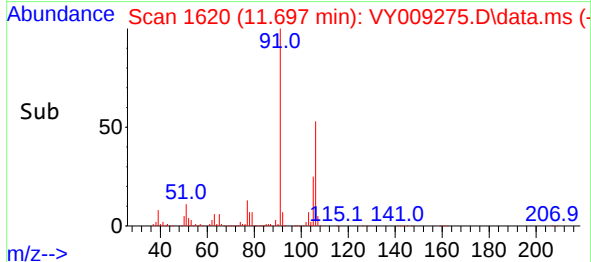
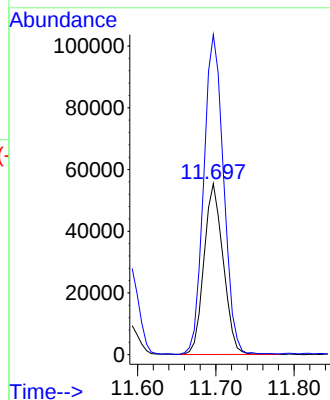
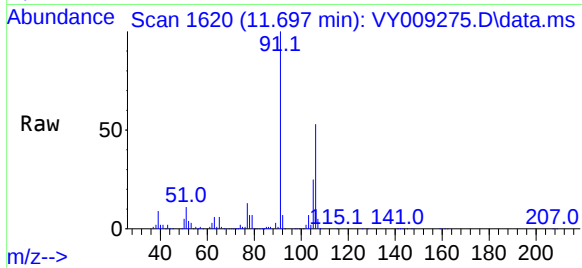




#68
m/p-Xylenes
Concen: 18.60 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

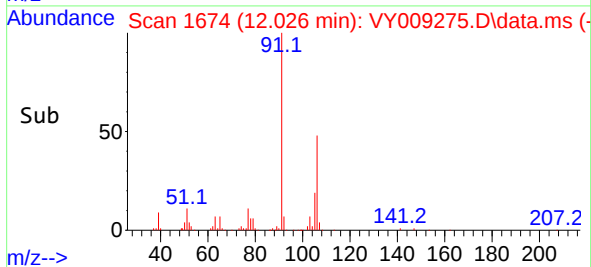
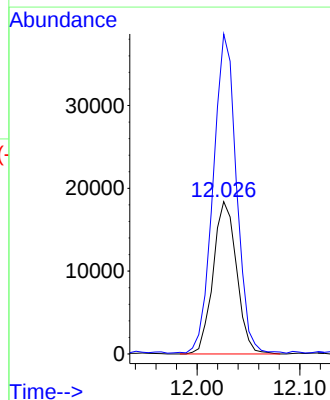
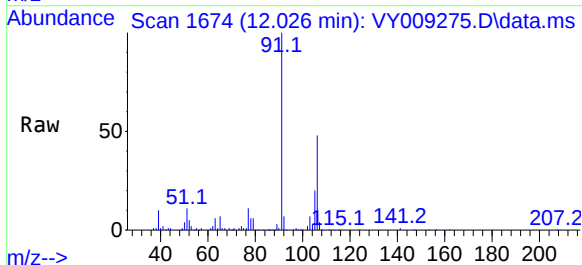
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

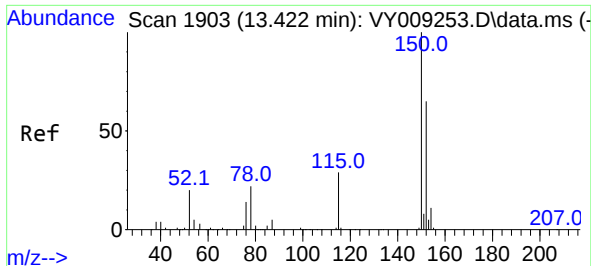
Tgt Ion:106 Resp: 94108
Ion Ratio Lower Upper
106 100
91 193.6 166.6 249.8



#69
o-Xylene
Concen: 6.06 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion:106 Resp: 29183
Ion Ratio Lower Upper
106 100
91 206.9 110.3 331.0

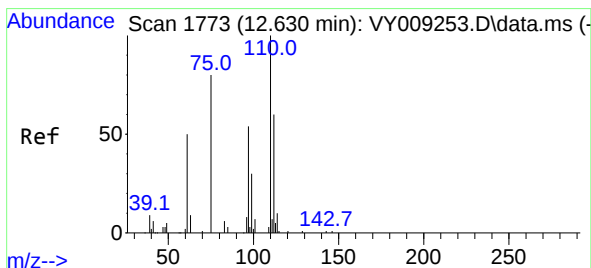
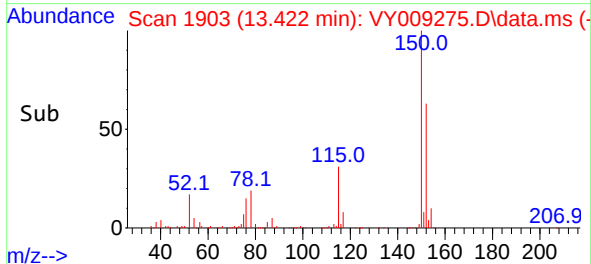
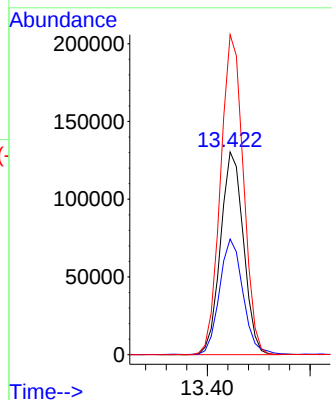
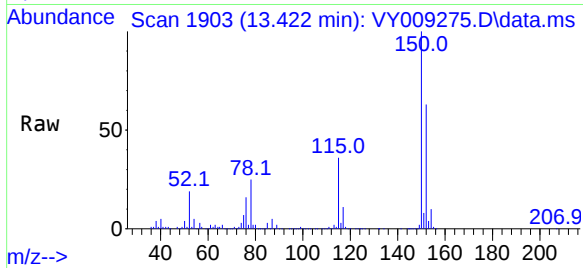




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

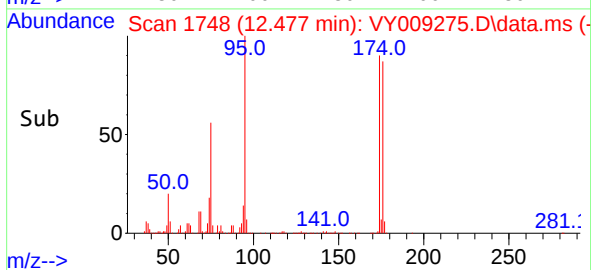
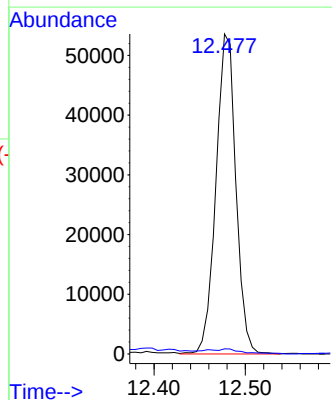
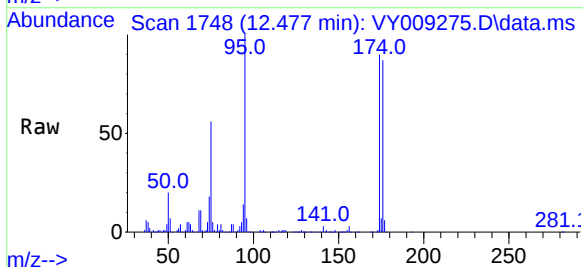
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

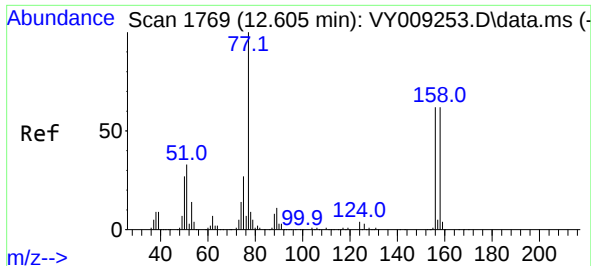
Tgt Ion:152 Resp: 201843
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 157.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 34.36 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 75 Resp: 81313
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#

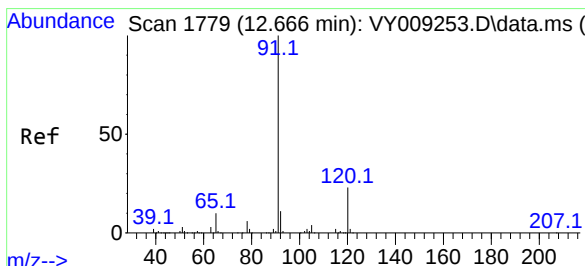
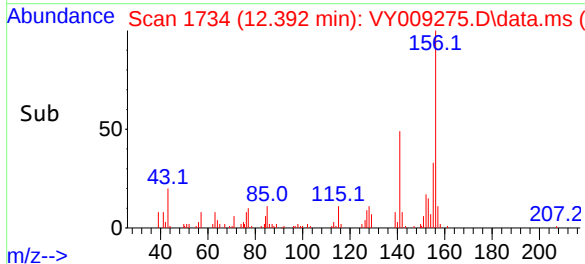
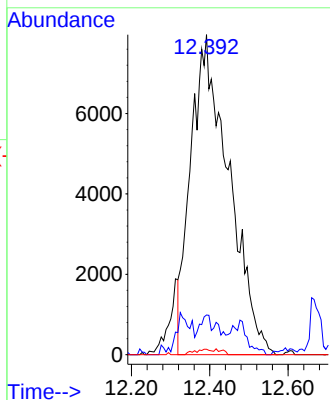
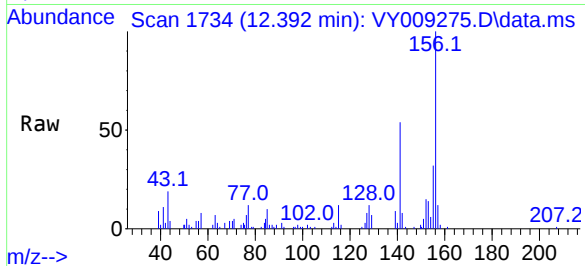




#77
Bromobenzene
Concen: 13.91 ug/l
RT: 12.392 min Scan# 1769
Delta R.T. -0.213 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

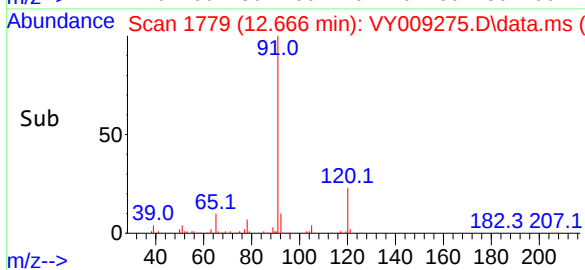
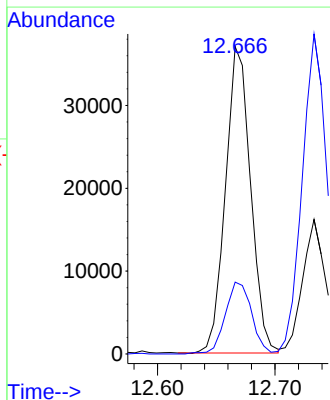
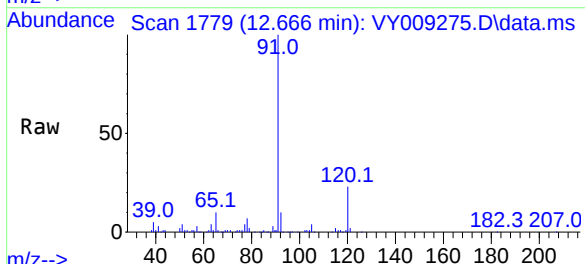
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

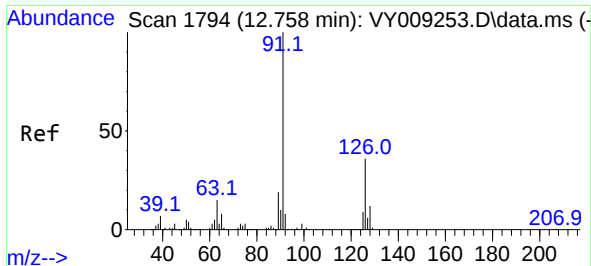
Tgt Ion:156 Resp: 53522
Ion Ratio Lower Upper
156 100
77 1.2 95.5 286.4#
158 0.8 48.0 144.0#



#78
n-propylbenzene
Concen: 2.89 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 91 Resp: 55045
Ion Ratio Lower Upper
91 100
120 24.5 11.3 33.9

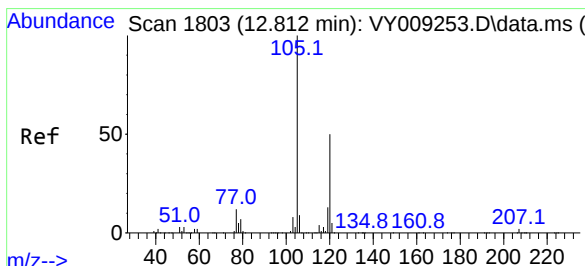
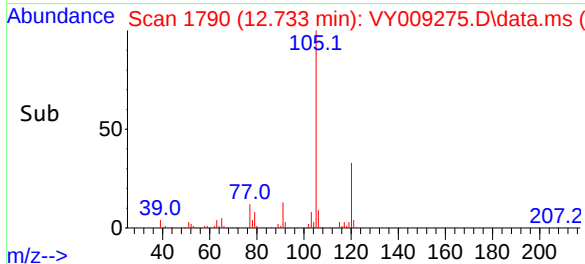
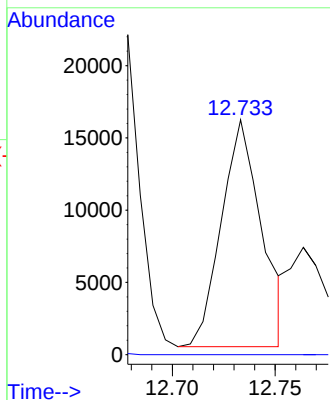
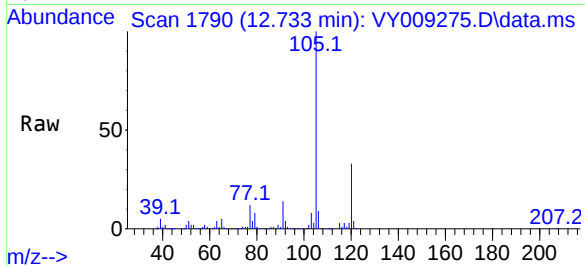




#79
2-Chlorotoluene
Concen: 1.99 ug/l
RT: 12.733 min Scan# 11
Delta R.T. -0.025 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

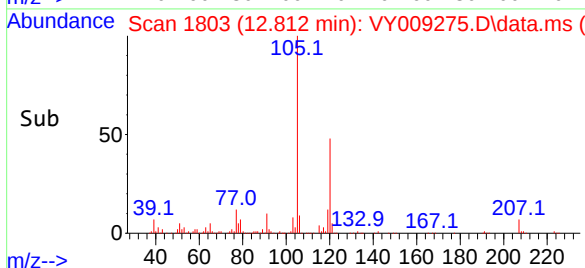
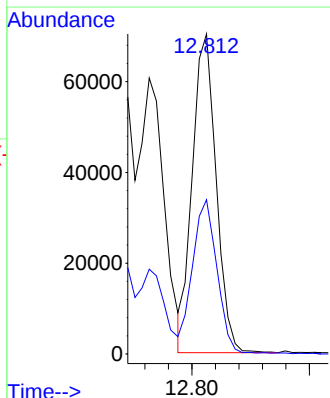
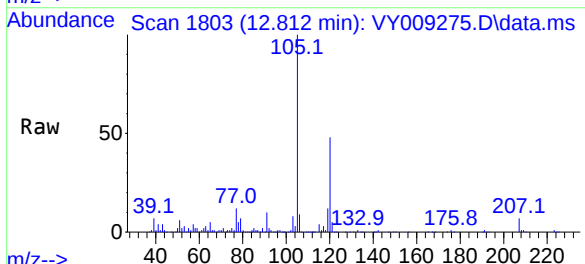
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

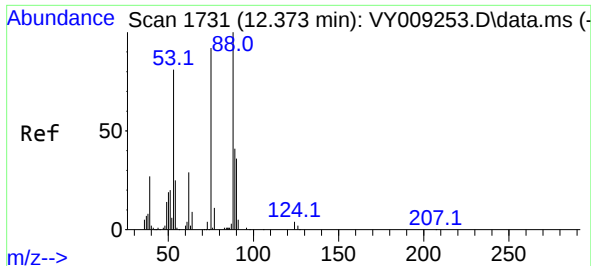
Tgt Ion: 91 Resp: 21367
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#80
1,3,5-Trimethylbenzene
Concen: 7.51 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 105 Resp: 98748
Ion Ratio Lower Upper
105 100
120 50.5 24.4 73.4

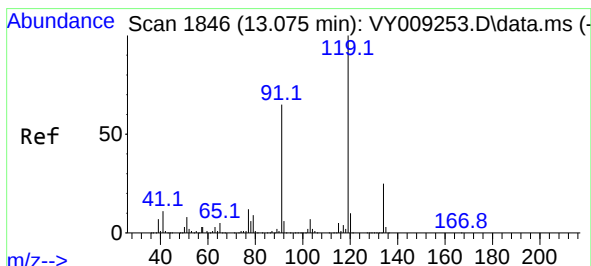
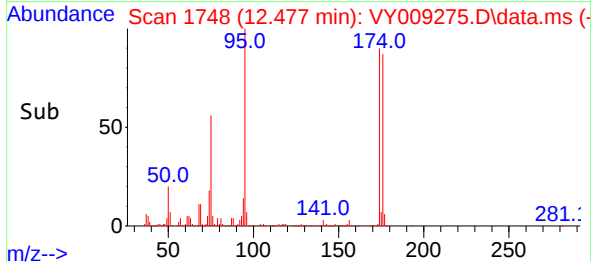
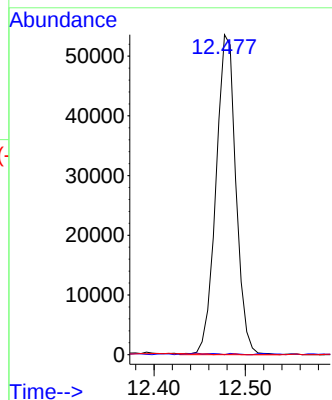
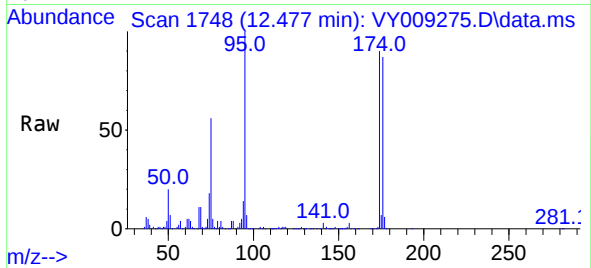




#81
trans-1,4-Dichloro-2-butene
Concen: 72.86 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

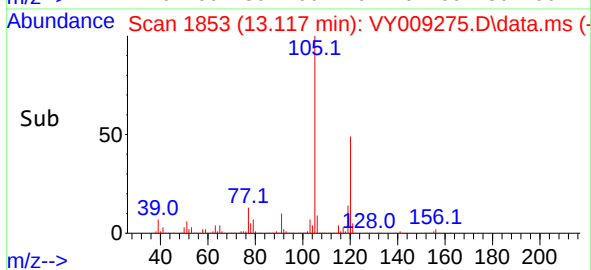
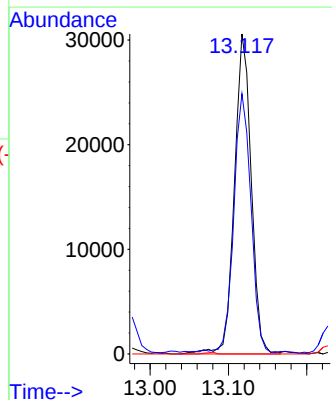
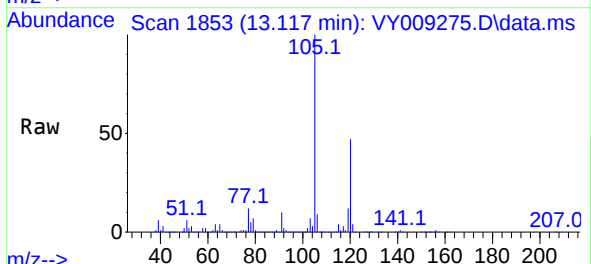
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

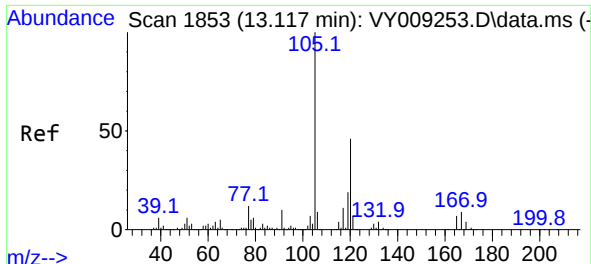
Tgt Ion: 75 Resp: 81313
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#



#83
tert-Butylbenzene
Concen: 3.97 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.042 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 119 Resp: 45460
Ion Ratio Lower Upper
119 100
91 82.9 34.8 104.4
134 0.0 13.3 39.9#

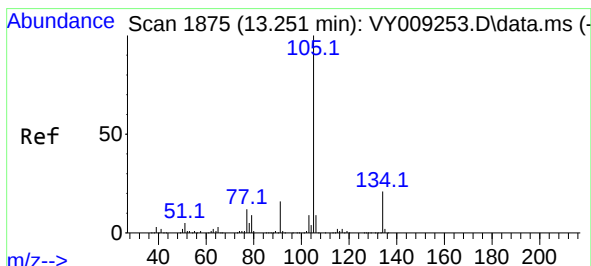
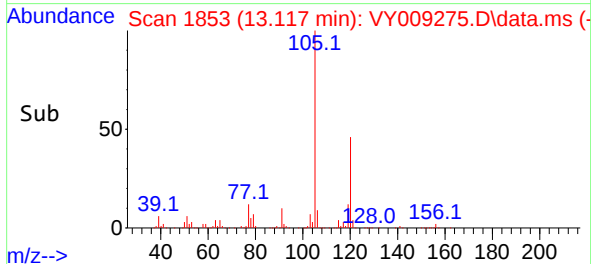
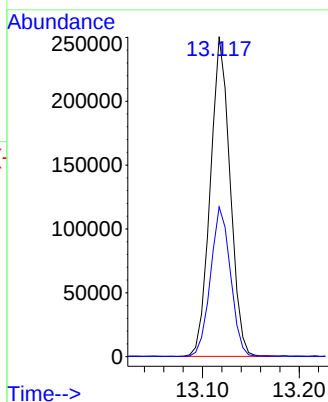
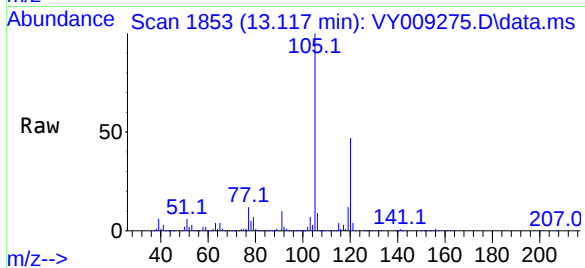




#84
1,2,4-Trimethylbenzene
Concen: 27.55 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

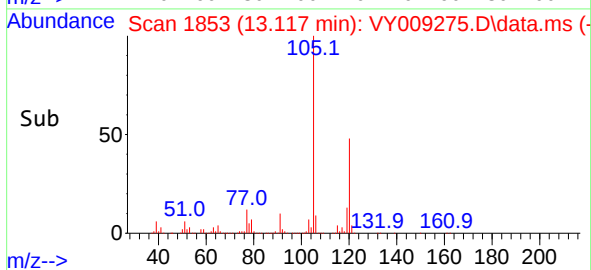
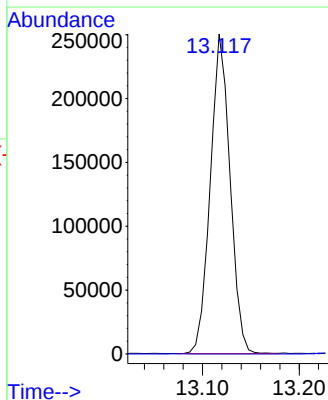
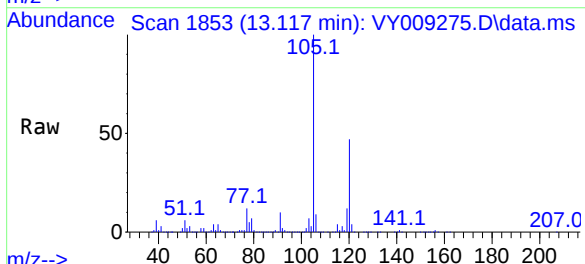
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

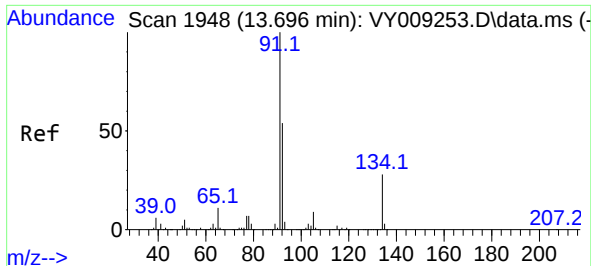
Tgt Ion:105 Resp: 354896
Ion Ratio Lower Upper
105 100
120 47.4 22.3 66.9



#85
sec-Butylbenzene
Concen: 20.68 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.134 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion:105 Resp: 354896
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

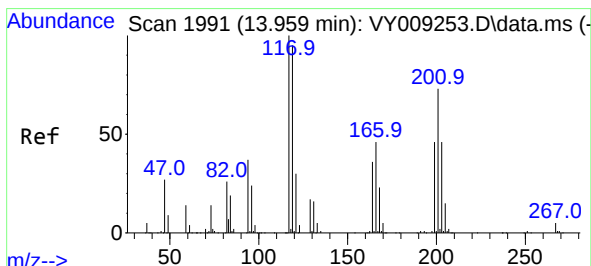
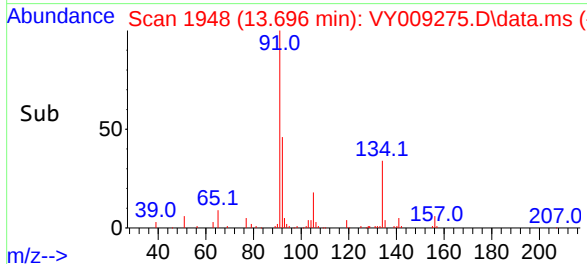
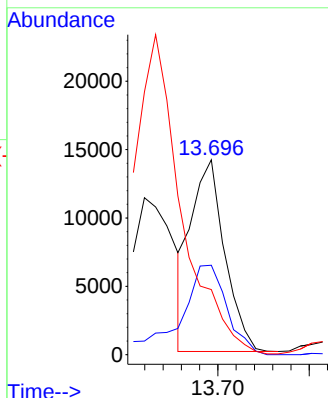
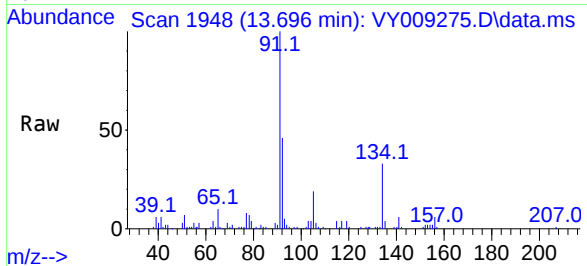




#89
n-Butylbenzene
Concen: 1.35 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

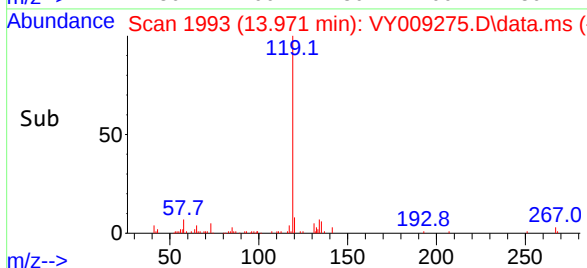
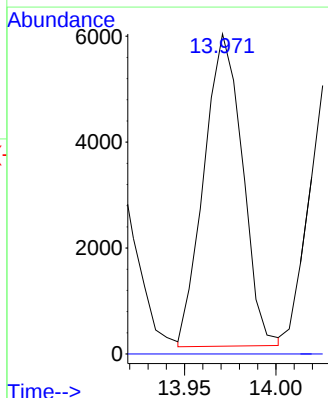
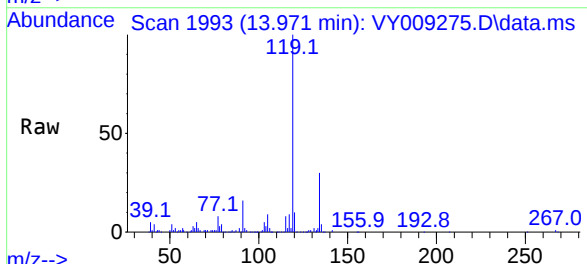
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

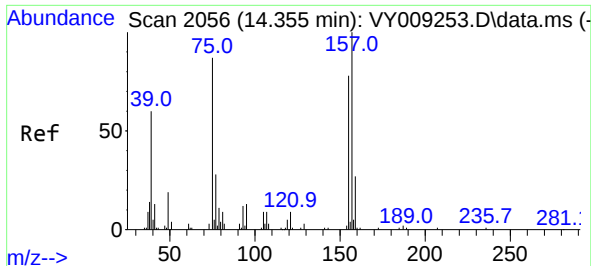
Tgt Ion: 91 Resp: 17967
Ion Ratio Lower Upper
91 100
92 64.8 26.3 78.9
134 0.0 13.0 38.9#



#90
Hexachloroethane
Concen: 3.20 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion: 117 Resp: 8646
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

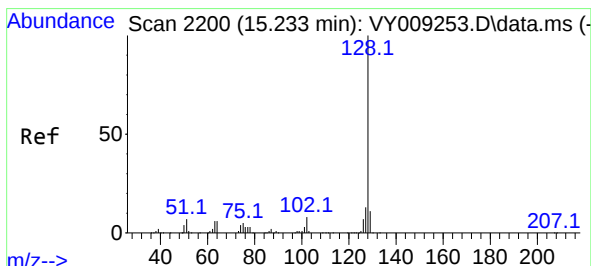
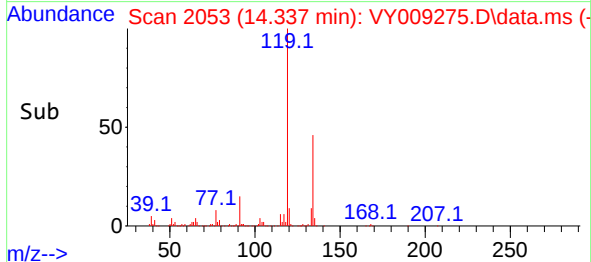
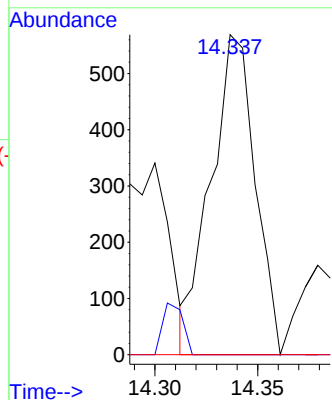
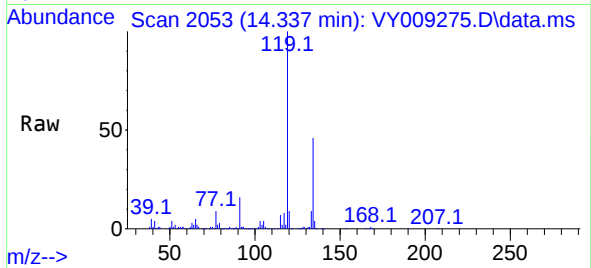




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.59 ug/l
RT: 14.337 min Scan# 2056
Delta R.T. -0.018 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 851
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#



#95
Naphthalene
Concen: 18.72 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009275.D
Acq: 22 Jun 2022 15:35

Tgt Ion:128 Resp: 153505
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.4
129 11.0 8.4 12.6

