

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030422\
 Data File : VY007742.D
 Acq On : 04 Mar 2022 15:20
 Operator : SY/MD
 Sample : N1762-02RE
 Misc : 7.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 05 04:24:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

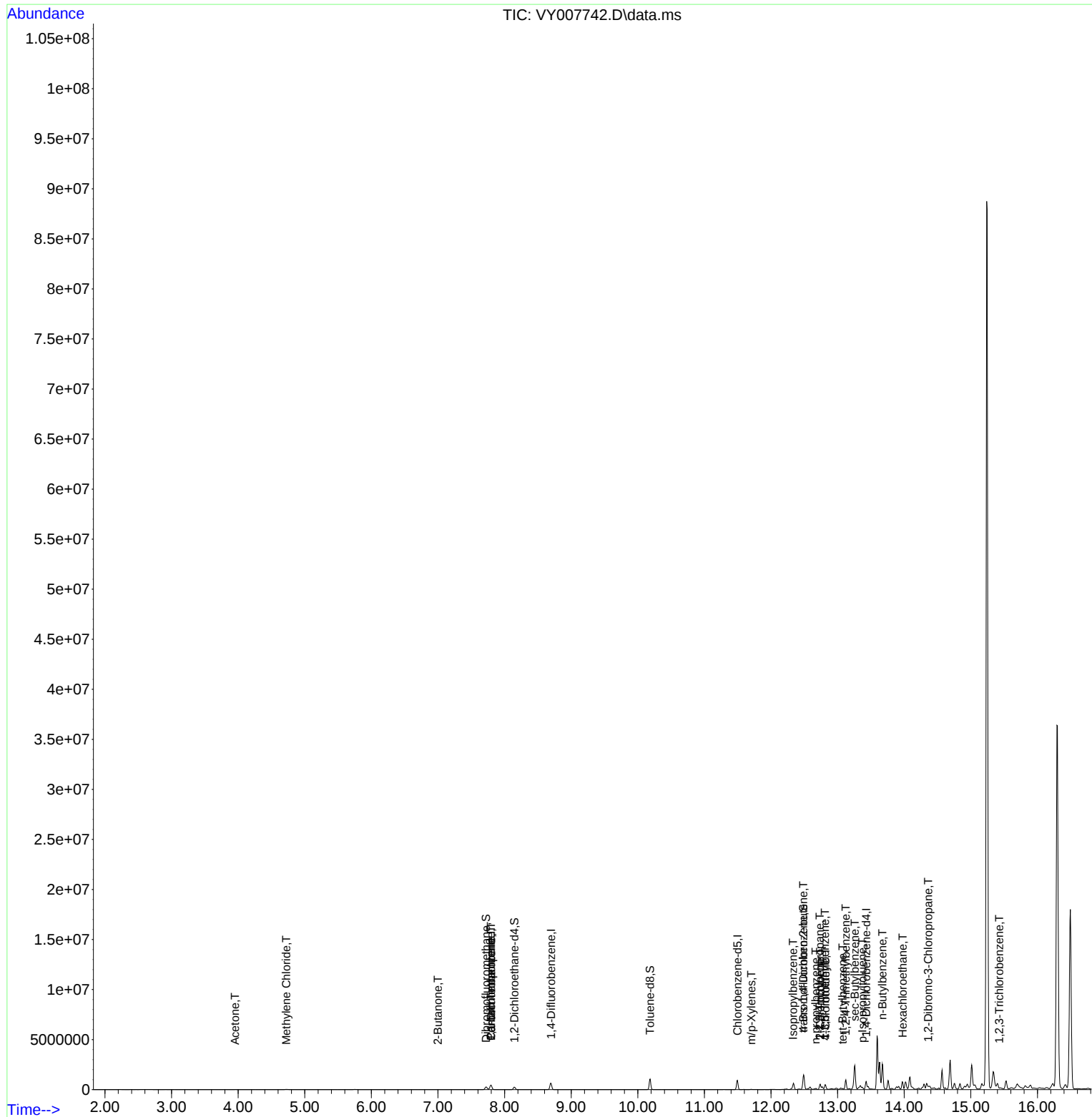
Internal Standards						
1) Pentafluorobenzene	7.795	168	368163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	575092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	509553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	201629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	195286	50.667	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.340%	
35) Dibromofluoromethane	7.722	113	188329	51.222	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.440%	
50) Toluene-d8	10.185	98	693723	51.257	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.520%	
62) 4-Bromofluorobenzene	12.483	95	200815	46.030	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.060%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	79	Below Cal	#	43
3) Chloromethane	2.119	50	1272	Below Cal		99
13) Acrolein	3.741	56	223	Below Cal	#	14
16) Acetone	3.954	43	13656	17.417	ug/l	93
17) Carbon Disulfide	4.204	76	3041	Below Cal	#	89
18) Methyl Acetate	4.478	43	116	Below Cal	#	56
20) Methylene Chloride	4.722	84	23894	2.192	ug/l	# 71
25) 2-Butanone	6.996	43	3386	2.574	ug/l	95
31) Cyclohexane	7.789	56	7833	Below Cal	#	20
36) 1,1-Dichloropropene	7.795	75	26646	4.607	ug/l	# 51
38) Carbon Tetrachloride	7.795	117	34353	5.568	ug/l	# 16
68) m/p-Xylenes	11.703	106	8178	1.065	ug/l	92
73) Isopropylbenzene	12.331	105	118833	7.565	ug/l	96
76) 1,2,3-Trichloropropane	12.733	75	4296	1.908	ug/l	# 100
78) n-propylbenzene	12.672	91	66201	3.493	ug/l	95
79) 2-Chlorotoluene	12.739	91	38927	3.838	ug/l	# 44
80) 1,3,5-Trimethylbenzene	12.812	105	216091	17.204	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	116872	106.110	ug/l	# 9
82) 4-Chlorotoluene	12.818	91	24153	2.315	ug/l	# 41
83) tert-Butylbenzene	13.074	119	32600	2.822	ug/l	# 70
84) 1,2,4-Trimethylbenzene	13.123	105	486028	39.285	ug/l	96
85) sec-Butylbenzene	13.257	105	1468331	85.916	ug/l	94
86) p-Isopropyltoluene	13.373	119	115301	8.168	ug/l	97
89) n-Butylbenzene	13.672	91	308521	23.126	ug/l	# 1
90) Hexachloroethane	13.977	117	35666	13.330	ug/l	# 6
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8461	16.958	ug/l	# 9
96) 1,2,3-Trichlorobenzene	15.428	180	4765	1.321	ug/l	# 83

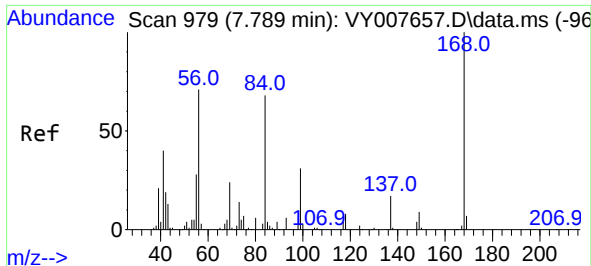
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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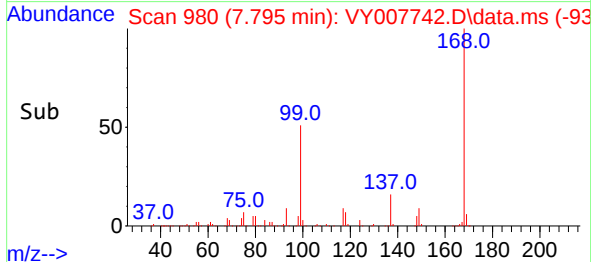
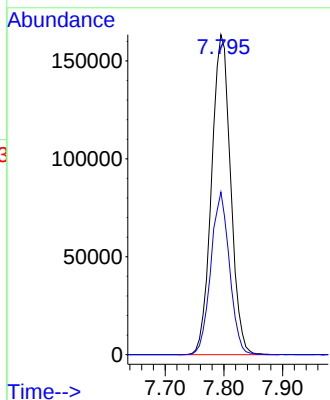
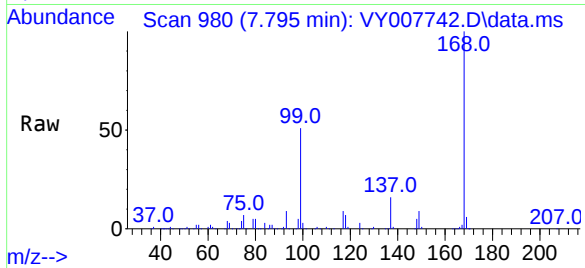




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

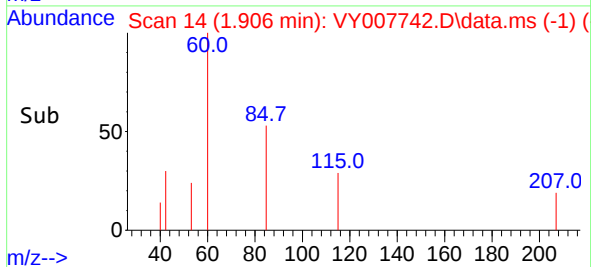
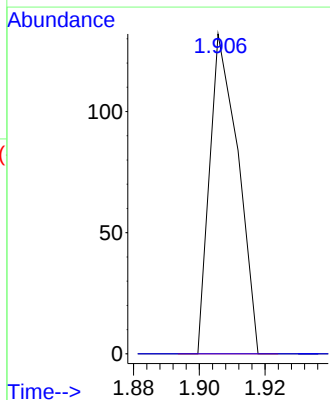
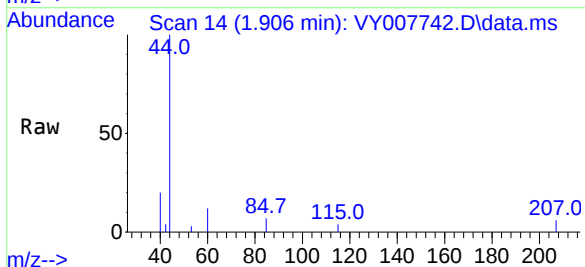
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 368163
Ion Ratio Lower Upper
168 100
99 50.8 46.9 70.3

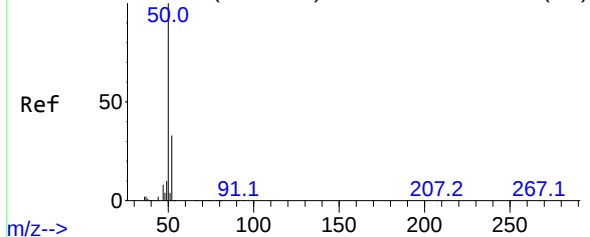


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Tgt Ion: 85 Resp: 79
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

Instrument :

MSVOA_Y

ClientSampleId :

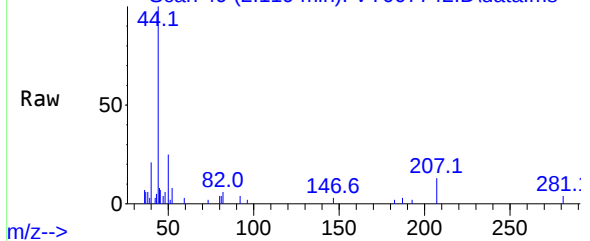
Tgt Ion: 50 Resp: 1272

Ion Ratio Lower Upper

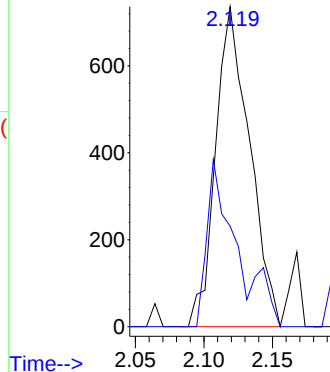
50 100

52 31.4 24.6 37.0

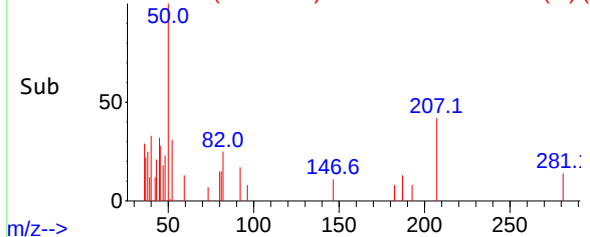
Abundance Scan 49 (2.119 min): VY007742.D\data.ms



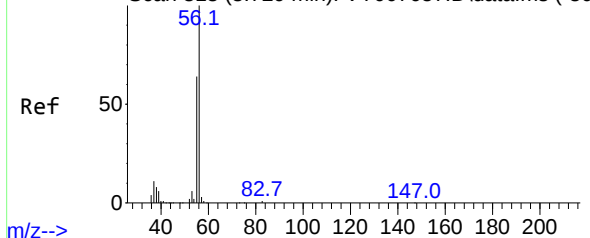
Abundance



Abundance Scan 49 (2.119 min): VY007742.D\data.ms (-1)



Abundance Scan 313 (3.729 min): VY007657.D\data.ms (-30)



#13

Acrolein

Concen: Below Cal

RT: 3.741 min Scan# 315

Delta R.T. 0.012 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

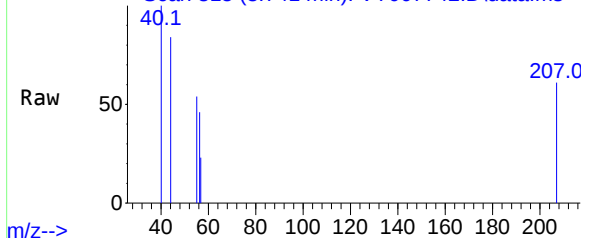
Tgt Ion: 56 Resp: 223

Ion Ratio Lower Upper

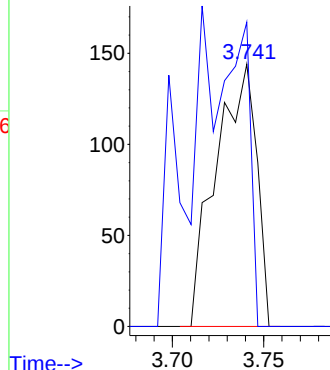
56 100

55 0.0 57.6 86.4#

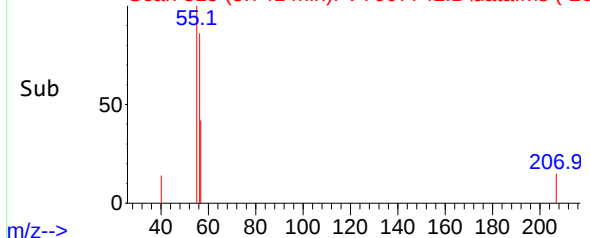
Abundance Scan 315 (3.741 min): VY007742.D\data.ms



Abundance



Abundance Scan 315 (3.741 min): VY007742.D\data.ms (-26)

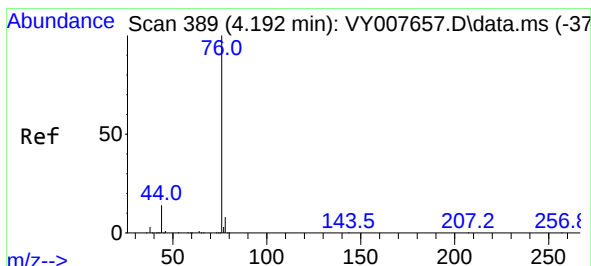
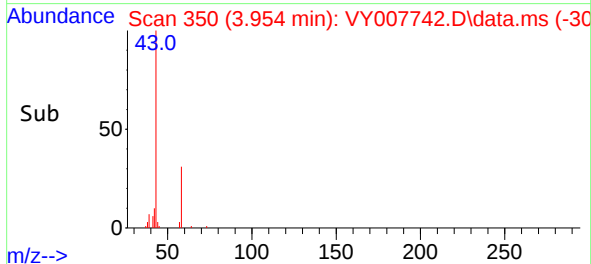
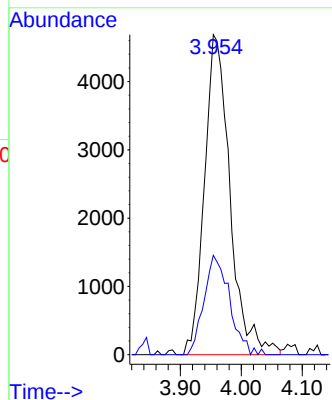
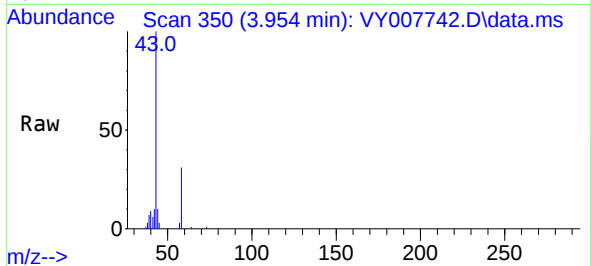




#16
Acetone
Concen: 17.417 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

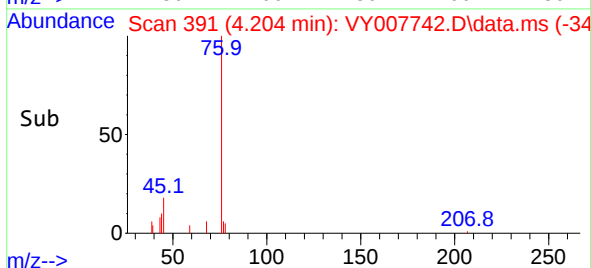
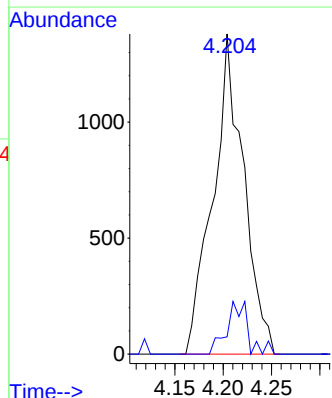
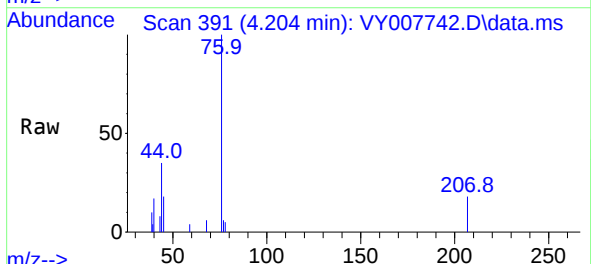
Instrument :
MSVOA_Y
ClientSampleId :

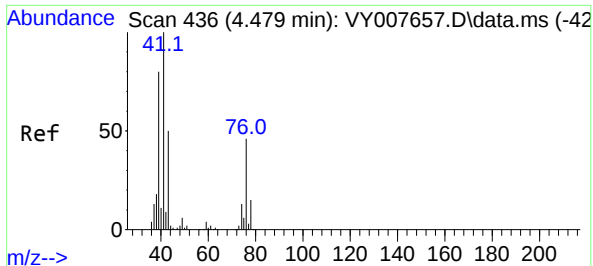
Tgt Ion: 43 Resp: 13656
Ion Ratio Lower Upper
43 100
58 31.0 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Tgt Ion: 76 Resp: 3041
Ion Ratio Lower Upper
76 100
78 5.4 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 41

Delta R.T. -0.001 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

Instrument :

MSVOA_Y

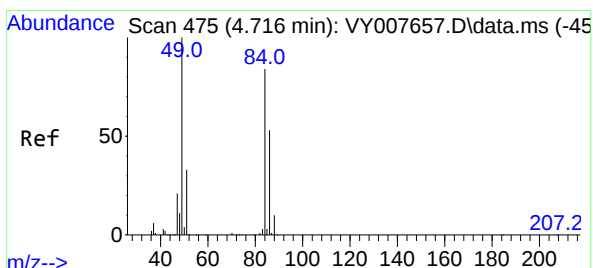
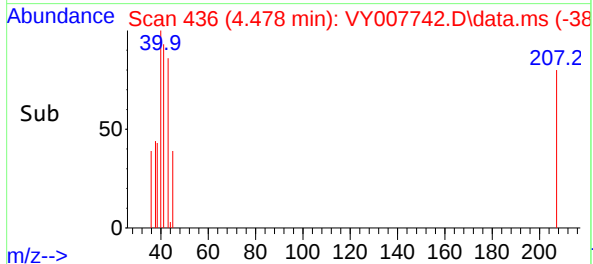
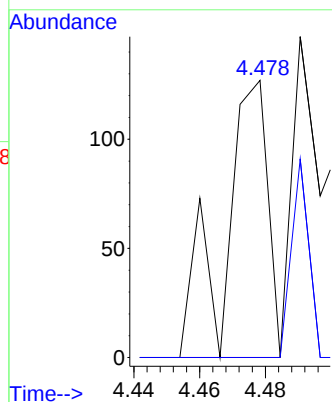
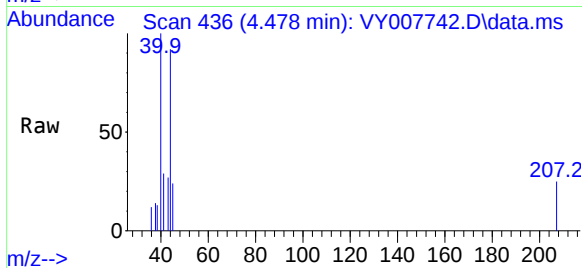
ClientSampleId :

Tgt Ion: 43 Resp: 116

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 2.192 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

Tgt Ion: 84 Resp: 23894

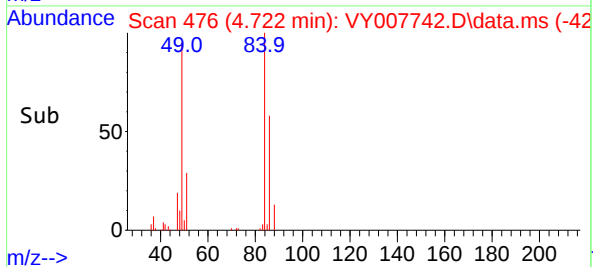
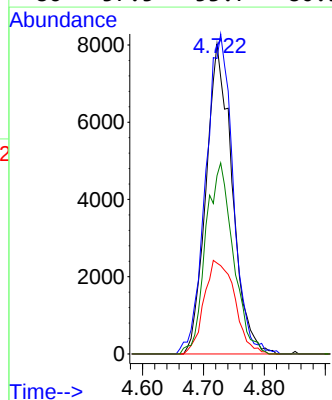
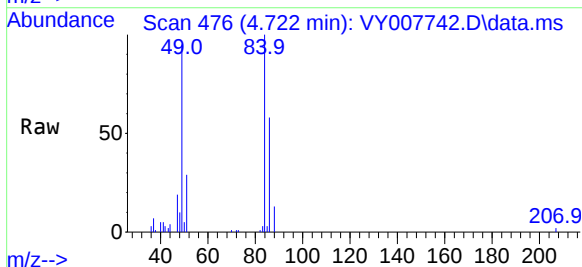
Ion Ratio Lower Upper

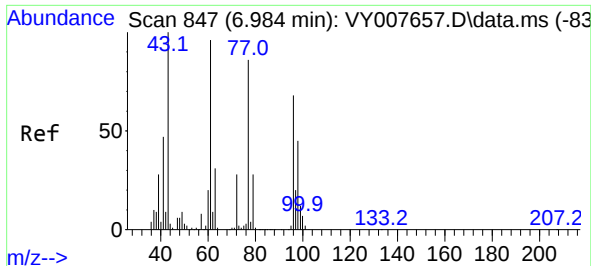
84 100

49 95.4 114.4 171.6#

51 29.3 35.3 52.9#

86 57.5 53.7 80.5





#25

2-Butanone

Concen: 2.574 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

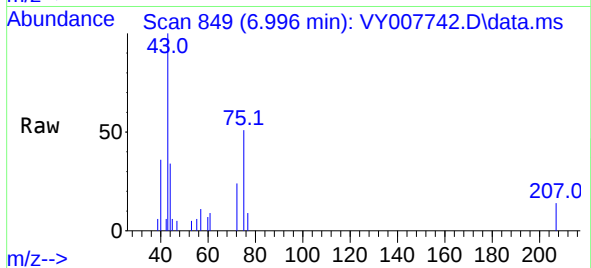
Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

Instrument :

MSVOA_Y

ClientSampleId :

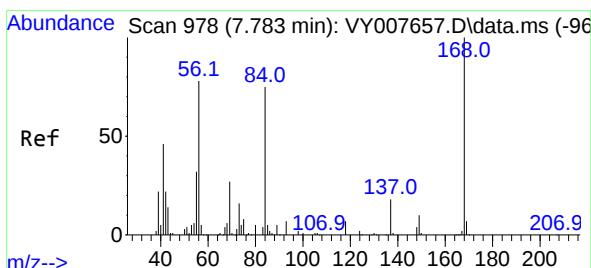
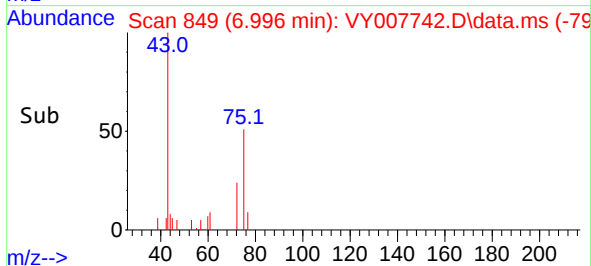
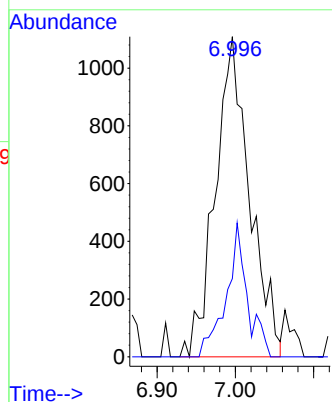


Tgt Ion: 43 Resp: 3386

Ion Ratio Lower Upper

43 100

72 24.4 17.7 26.5



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

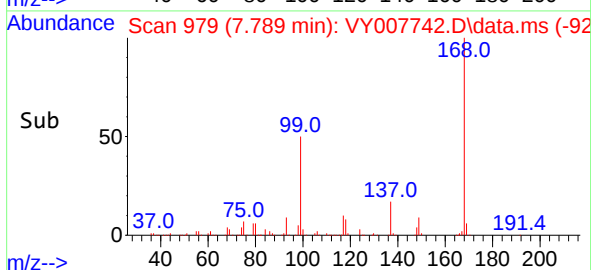
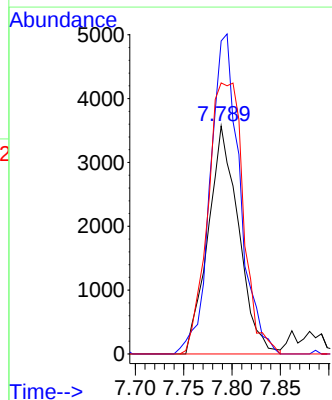
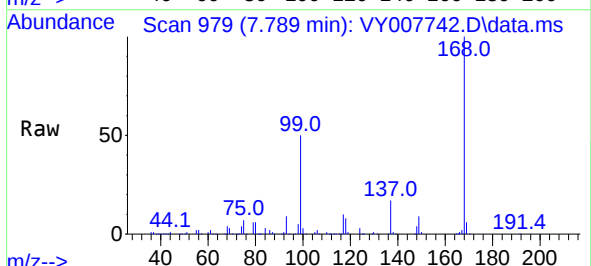
Tgt Ion: 56 Resp: 7833

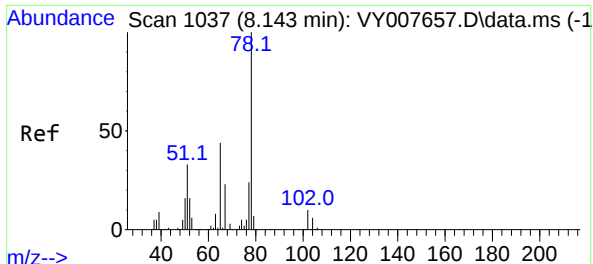
Ion Ratio Lower Upper

56 100

69 137.3 26.7 40.1#

84 118.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.667 ug/l

RT: 8.148 min Scan# 110

Delta R.T. 0.005 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

Instrument :

MSVOA_Y

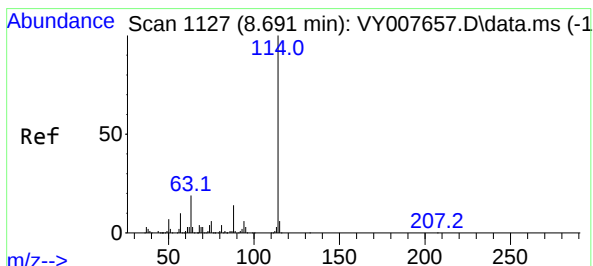
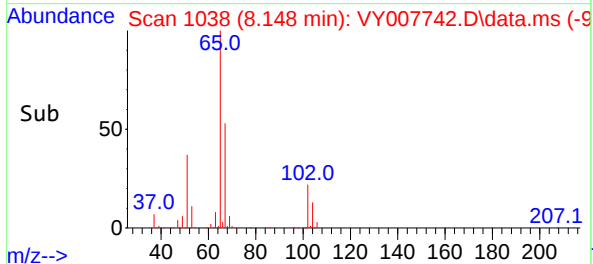
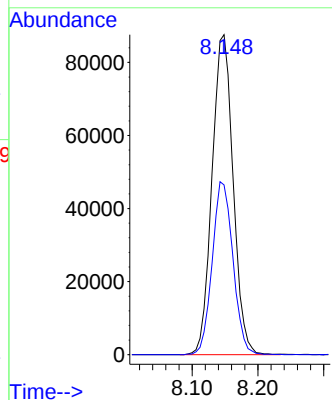
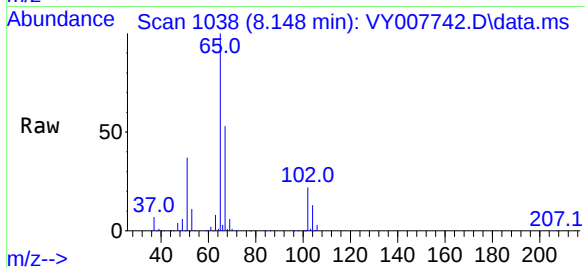
ClientSampleId :

Tgt Ion: 65 Resp: 195286

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

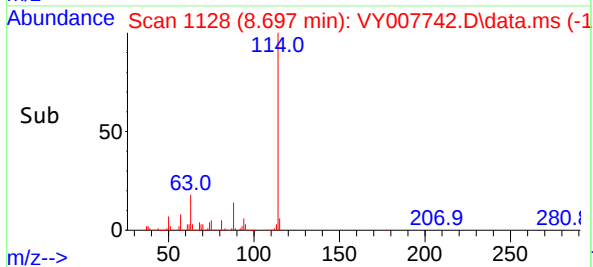
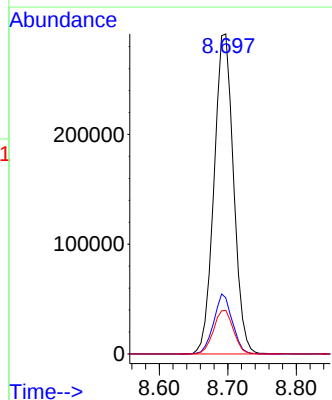
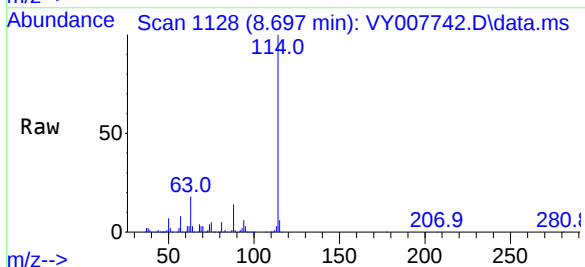
Tgt Ion:114 Resp: 575092

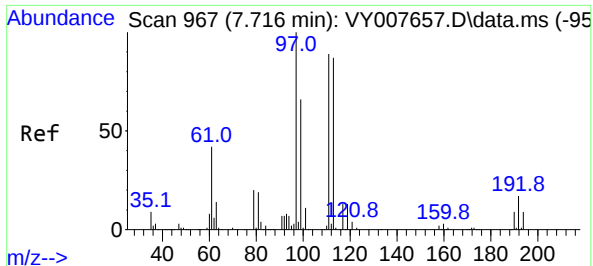
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

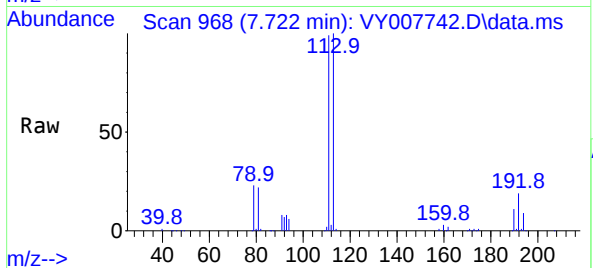
88 13.6 0.0 31.8



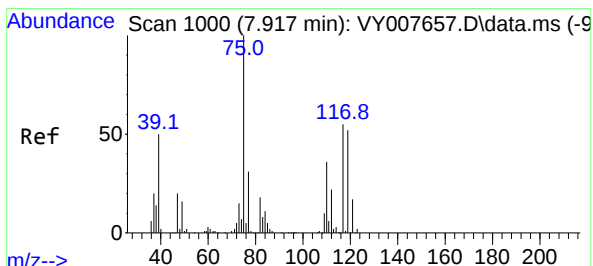
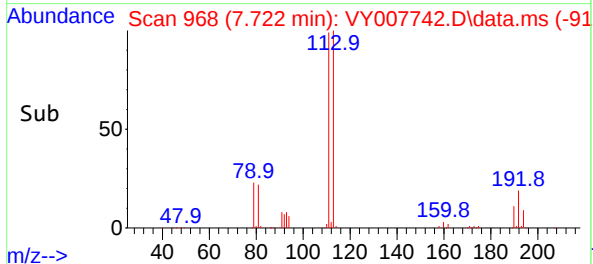
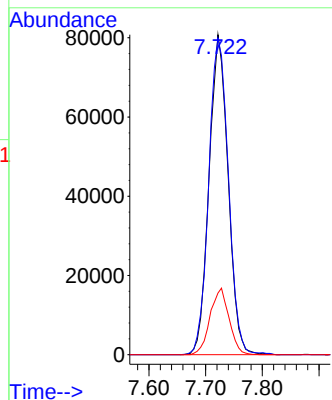


#35
Dibromofluoromethane
Concen: 51.222 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Instrument :
MSVOA_Y
ClientSampleId :

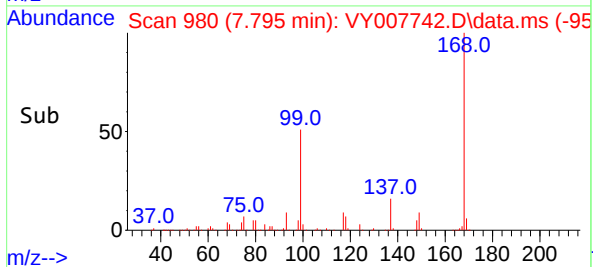
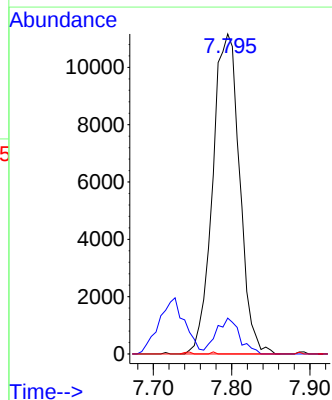
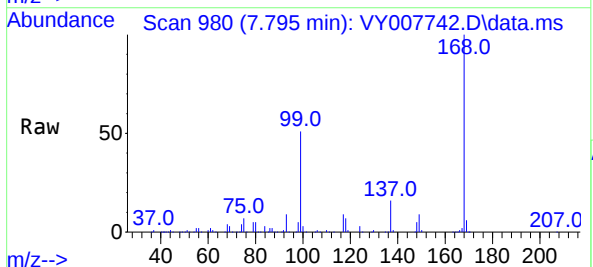


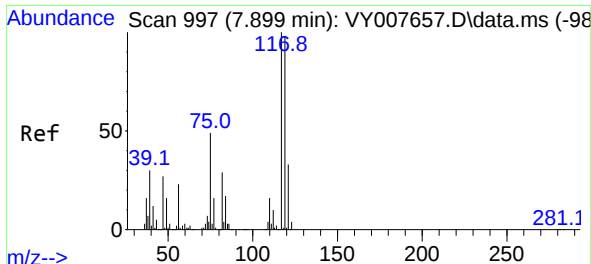
Tgt Ion:113 Resp: 188329
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 20.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.607 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

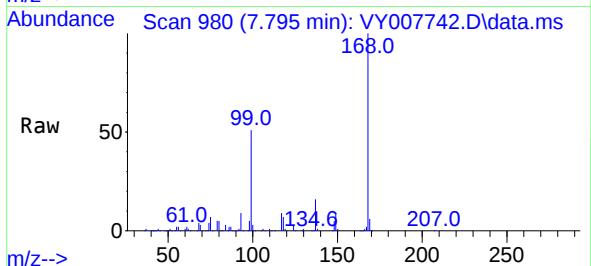
Tgt Ion: 75 Resp: 26646
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.1 24.4 36.6#



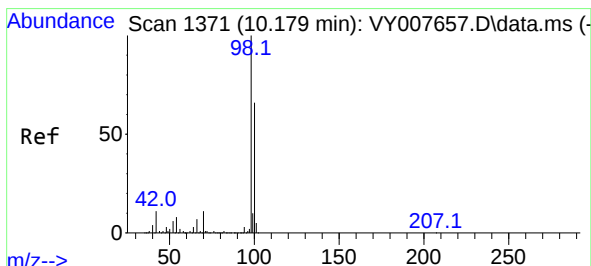
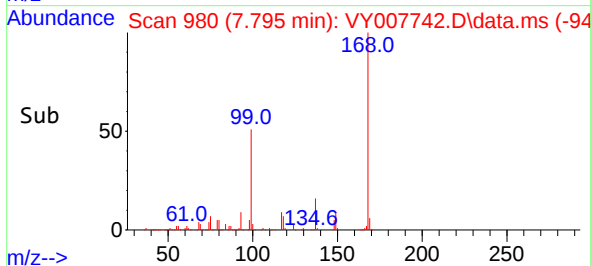
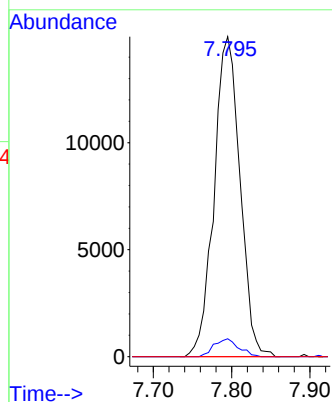


#38
Carbon Tetrachloride
Concen: 5.568 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Instrument :
MSVOA_Y
ClientSampleId :

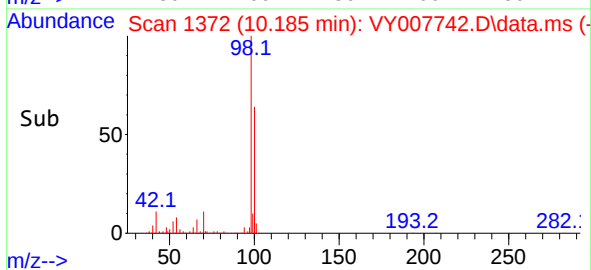
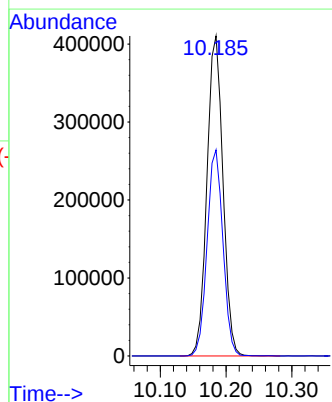
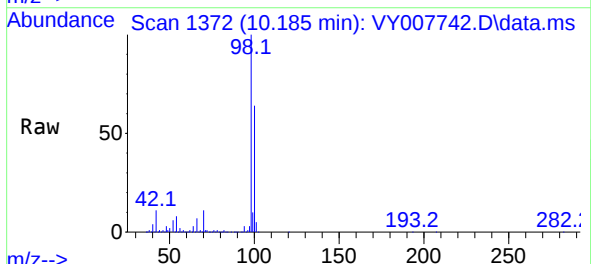


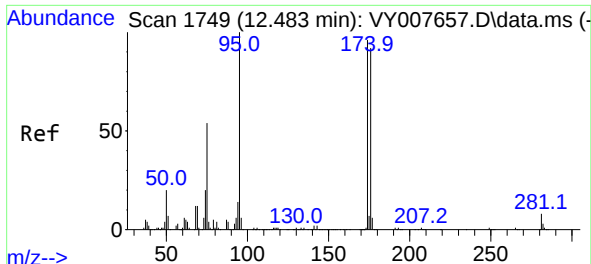
Tgt Ion:117 Resp: 34353
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.257 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

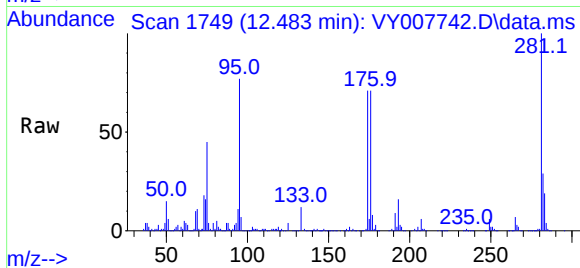
Tgt Ion: 98 Resp: 693723
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2



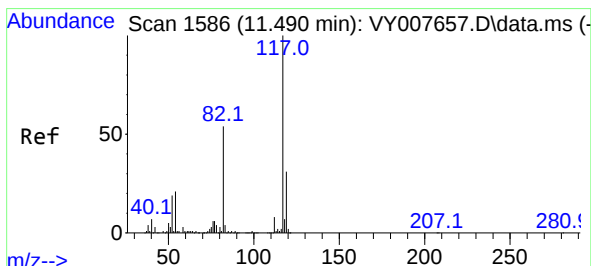
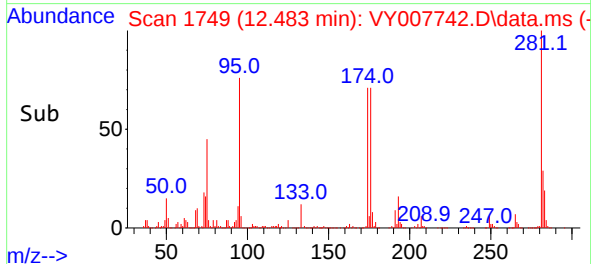
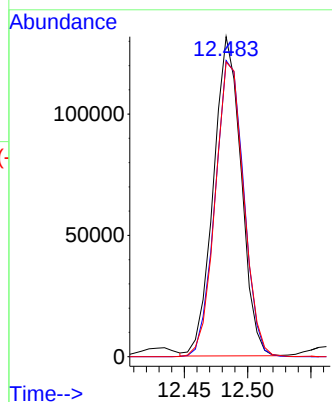


#62
4-Bromofluorobenzene
Concen: 46.030 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Instrument :
MSVOA_Y
ClientSampleId :

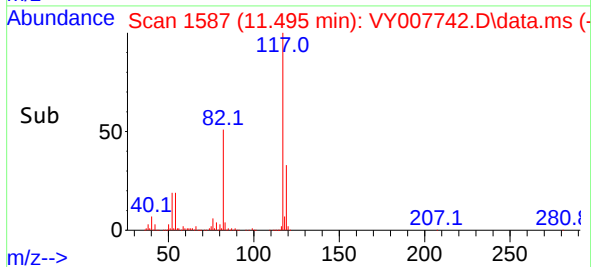
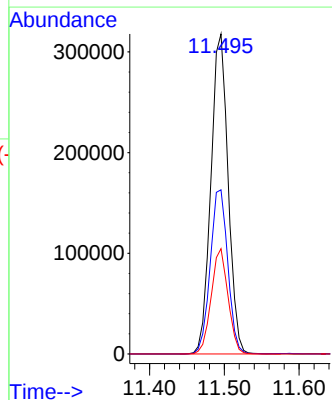
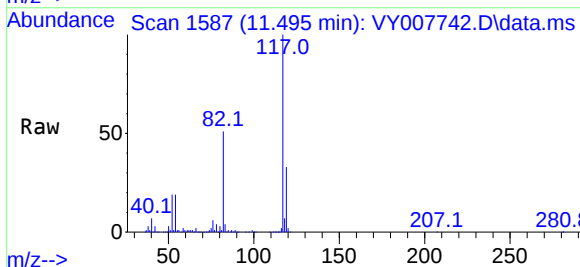


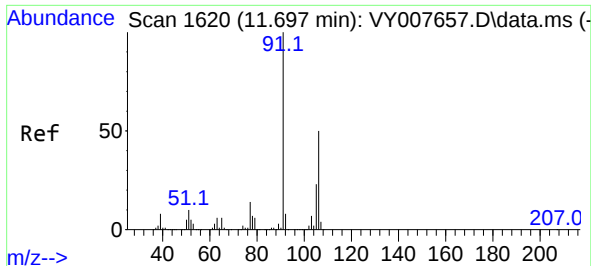
Tgt Ion: 95 Resp: 200815
Ion Ratio Lower Upper
95 100
174 95.2 0.0 177.0
176 94.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.005 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Tgt Ion: 117 Resp: 509553
Ion Ratio Lower Upper
117 100
82 51.3 43.0 64.4
119 32.9 25.4 38.0

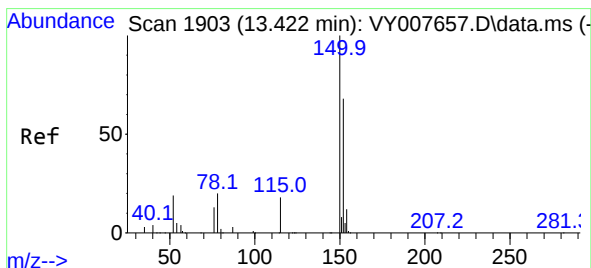
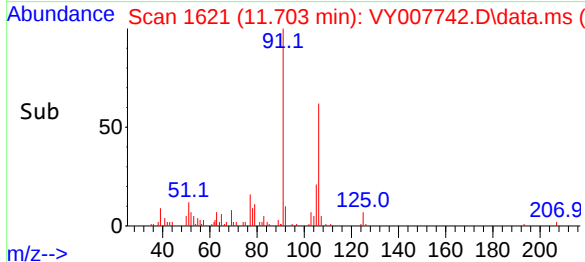
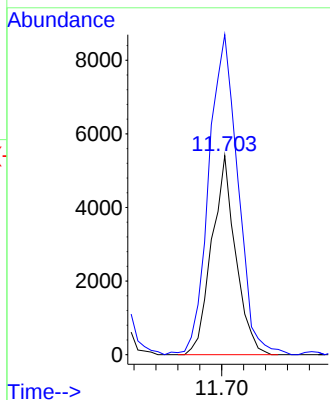
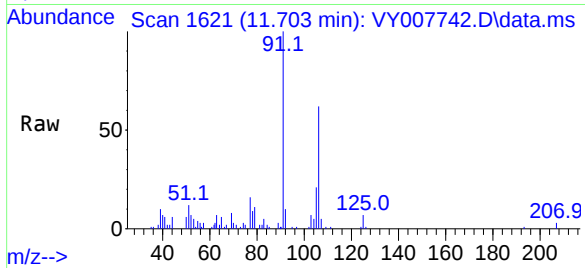




#68
m/p-Xylenes
Concen: 1.065 ug/l
RT: 11.703 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

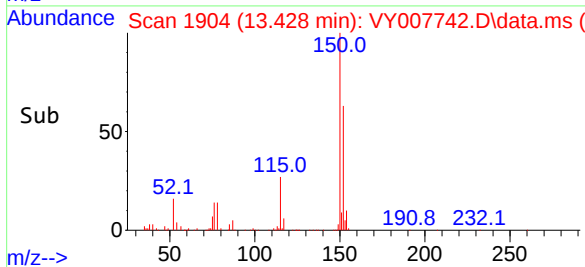
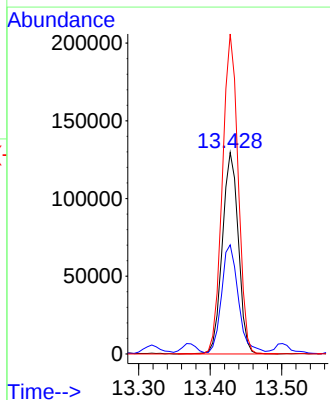
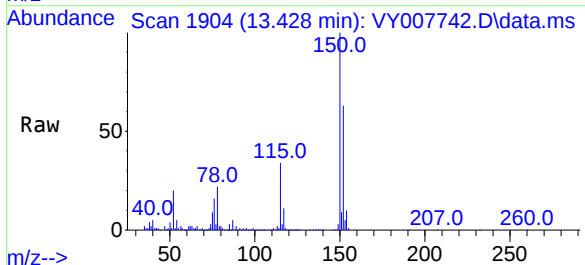
Instrument :
MSVOA_Y
ClientSampleId :

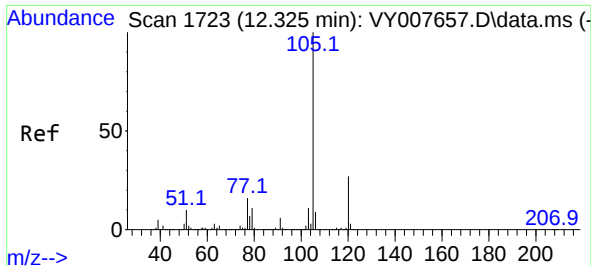
Tgt Ion:106 Resp: 8178
Ion Ratio Lower Upper
106 100
91 195.9 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Tgt Ion:152 Resp: 201629
Ion Ratio Lower Upper
152 100
115 55.4 28.2 84.7
150 156.7 0.0 347.6

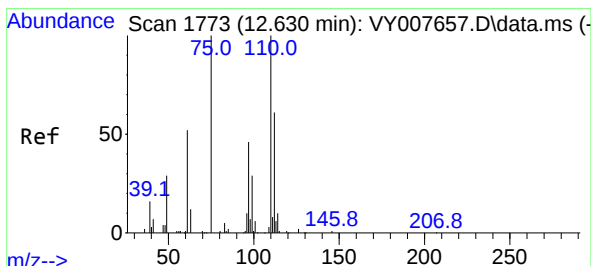
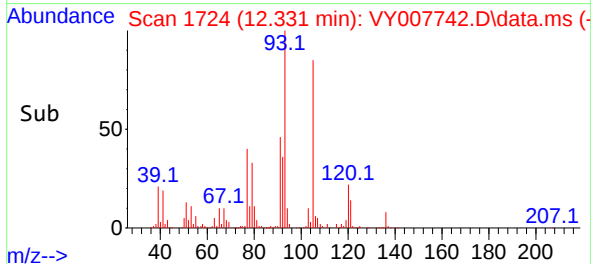
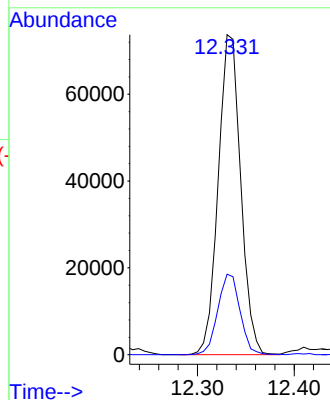
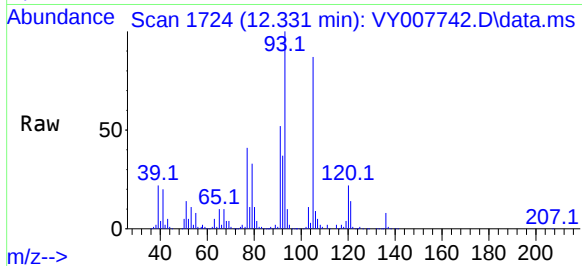




#73
Isopropylbenzene
Concen: 7.565 ug/l
RT: 12.331 min Scan# 1790
Delta R.T. 0.006 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

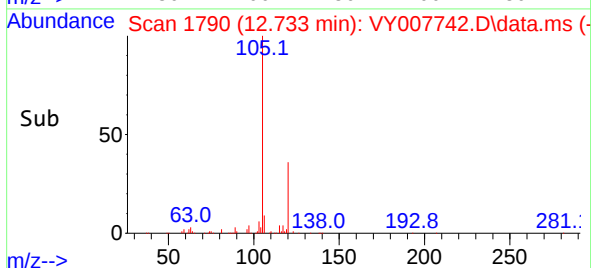
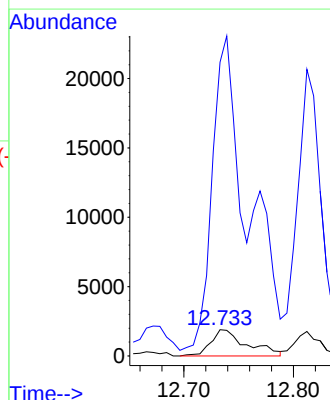
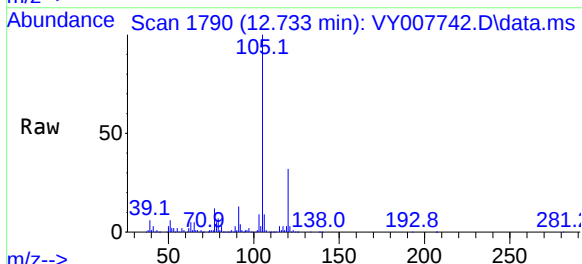
Instrument :
MSVOA_Y
ClientSampleId :

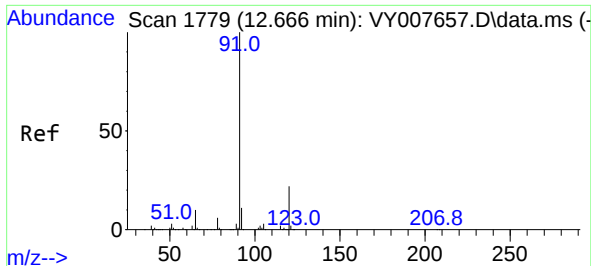
Tgt Ion:105 Resp: 118833
Ion Ratio Lower Upper
105 100
120 24.9 13.4 40.2



#76
1,2,3-Trichloropropane
Concen: 1.908 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. 0.103 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Tgt Ion: 75 Resp: 4296
Ion Ratio Lower Upper
75 100
77 853.8 0.0 0.0#

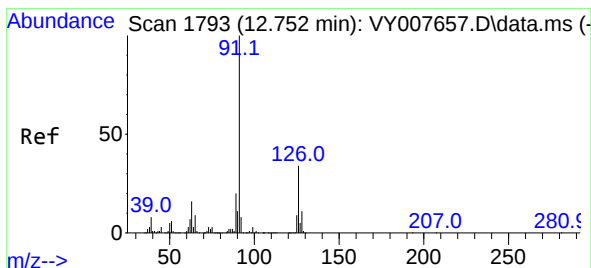
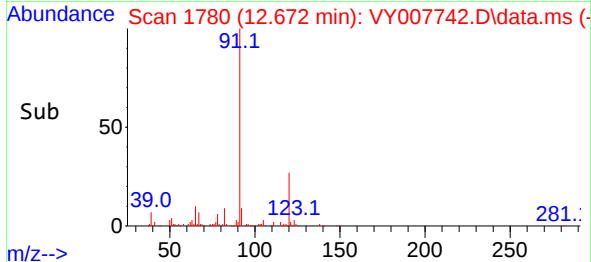
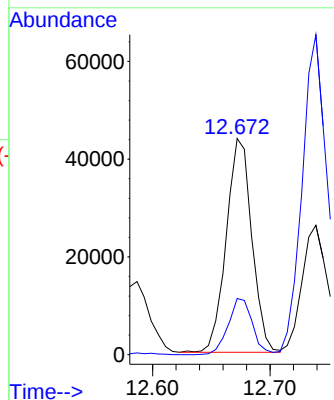
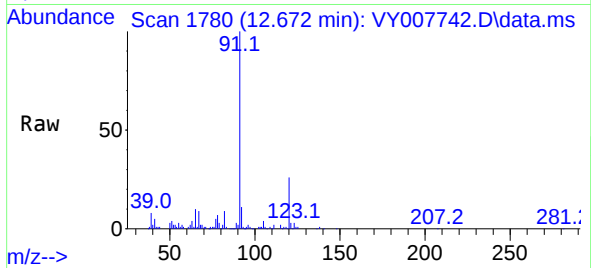




#78
n-propylbenzene
Concen: 3.493 ug/l
RT: 12.672 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

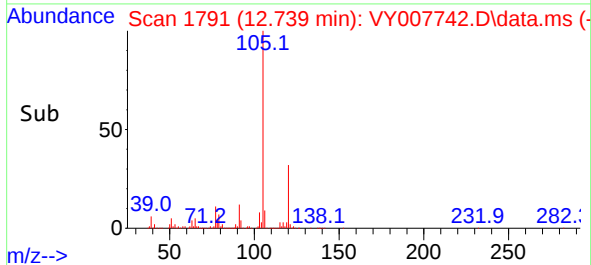
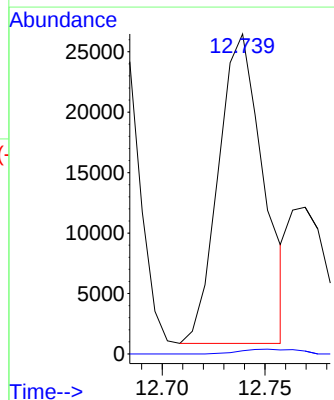
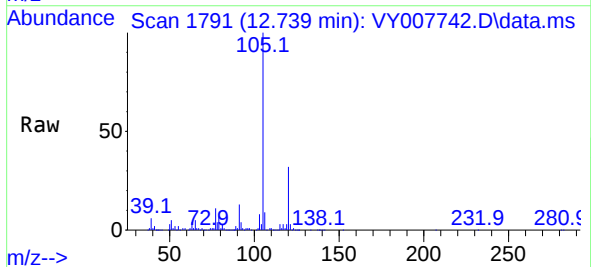
Instrument :
MSVOA_Y
ClientSampleId :

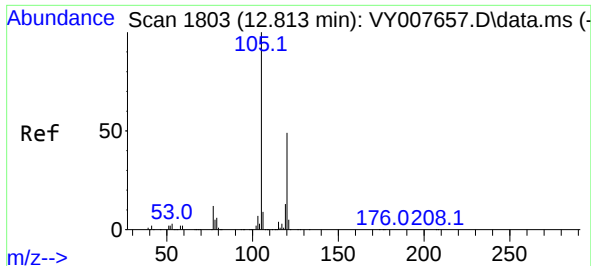
Tgt Ion: 91 Resp: 66201
Ion Ratio Lower Upper
91 100
120 24.9 11.3 33.9



#79
2-Chlorotoluene
Concen: 3.838 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.013 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Tgt Ion: 91 Resp: 38927
Ion Ratio Lower Upper
91 100
126 2.0 16.9 50.6#

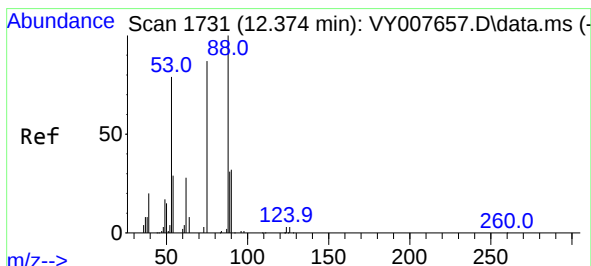
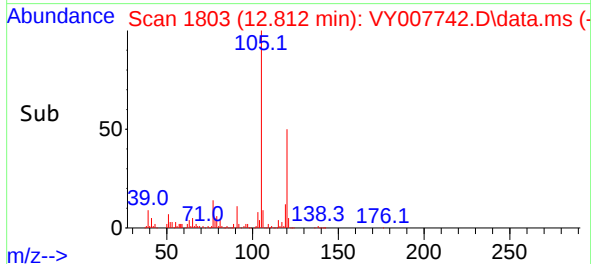
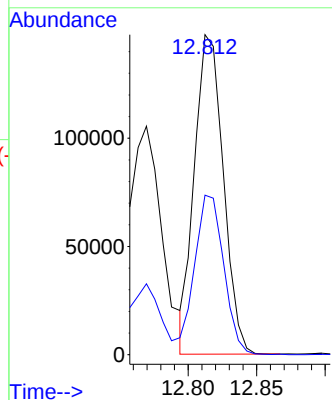
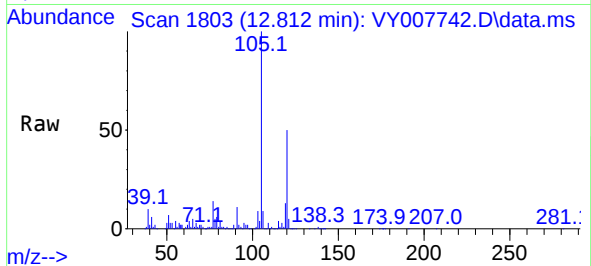




#80
1,3,5-Trimethylbenzene
Concen: 17.204 ug/l
RT: 12.812 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

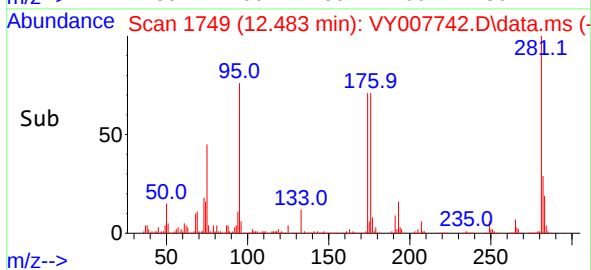
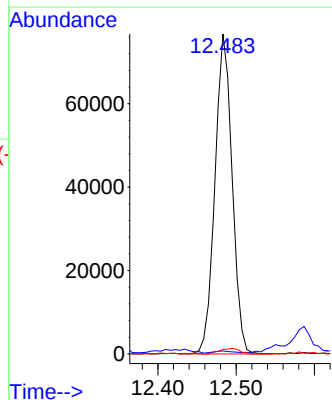
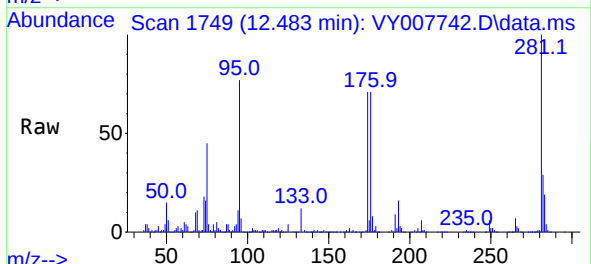
Instrument :
MSVOA_Y
ClientSampleId :

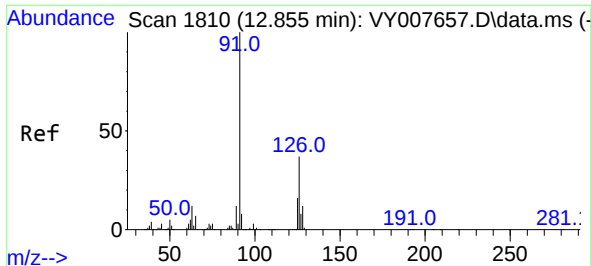
Tgt Ion:105 Resp: 216091
Ion Ratio Lower Upper
105 100
120 51.3 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 106.110 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Tgt Ion: 75 Resp: 116872
Ion Ratio Lower Upper
75 100
53 0.7 85.3 127.9#
89 2.1 37.0 55.4#

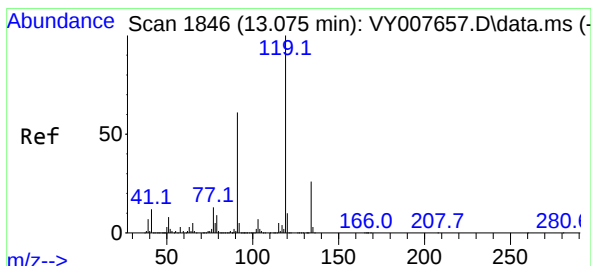
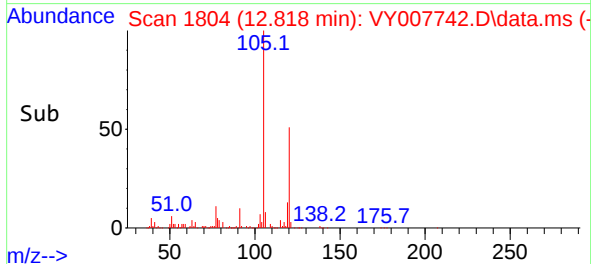
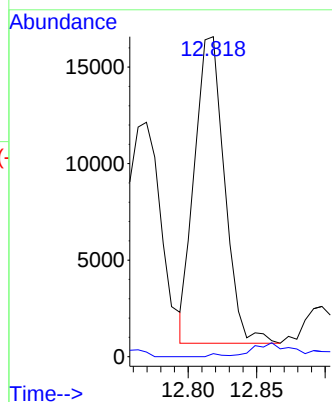
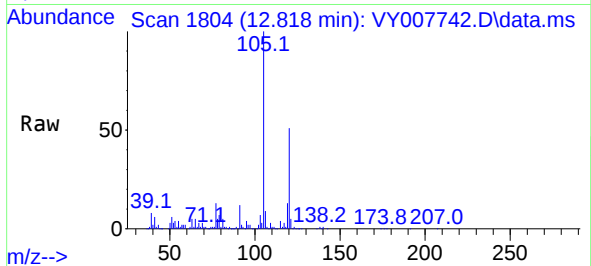




#82
4-Chlorotoluene
Concen: 2.315 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. -0.037 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

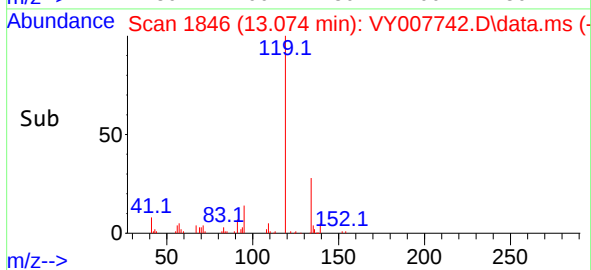
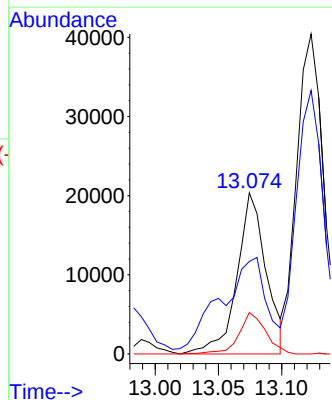
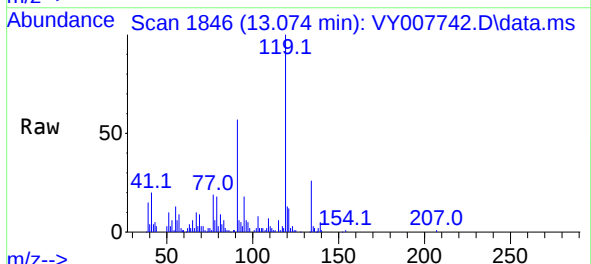
Instrument :
MSVOA_Y
ClientSampleId :

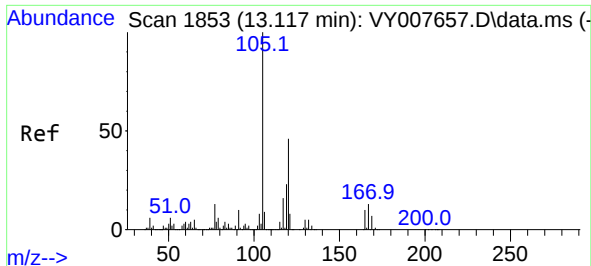
Tgt Ion: 91 Resp: 24153
Ion Ratio Lower Upper
91 100
126 0.4 17.0 51.0#



#83
tert-Butylbenzene
Concen: 2.822 ug/l
RT: 13.074 min Scan# 1846
Delta R.T. -0.001 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Tgt Ion: 119 Resp: 32600
Ion Ratio Lower Upper
119 100
91 87.0 34.8 104.4
134 0.0 13.3 39.9#

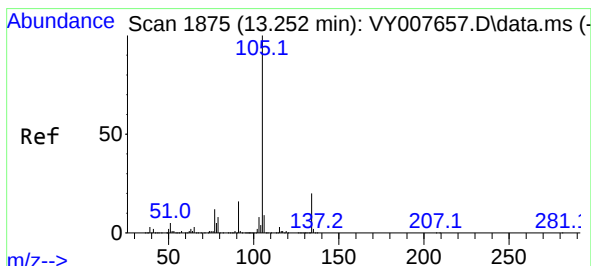
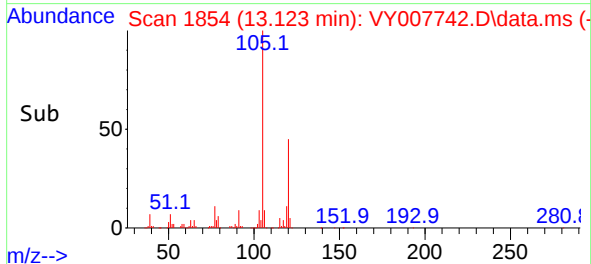
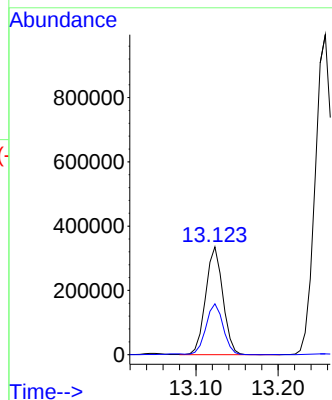
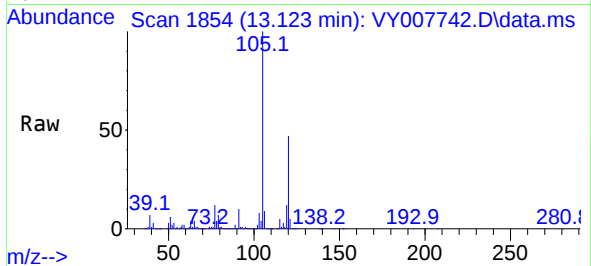




#84
1,2,4-Trimethylbenzene
Concen: 39.285 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

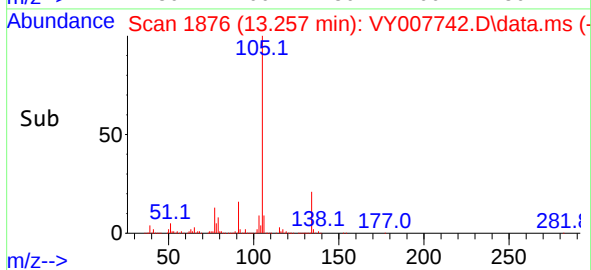
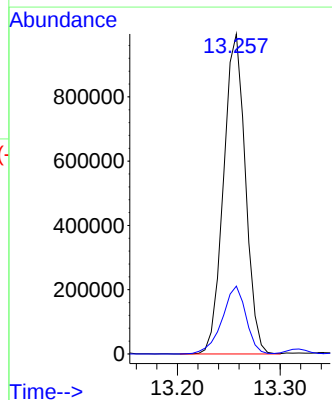
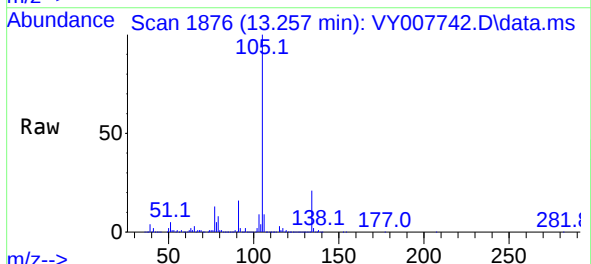
Instrument :
MSVOA_Y
ClientSampleId :

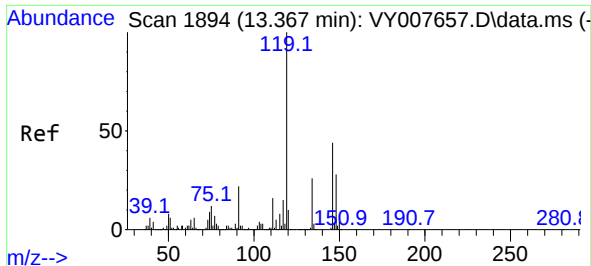
Tgt Ion:105 Resp: 486028
Ion Ratio Lower Upper
105 100
120 47.4 22.3 66.9



#85
sec-Butylbenzene
Concen: 85.916 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.005 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

Tgt Ion:105 Resp: 1468331
Ion Ratio Lower Upper
105 100
134 23.3 10.2 30.4





#86

p-Isopropyltoluene

Concen: 8.168 ug/l

RT: 13.373 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

Instrument :

MSVOA_Y

ClientSampleId :

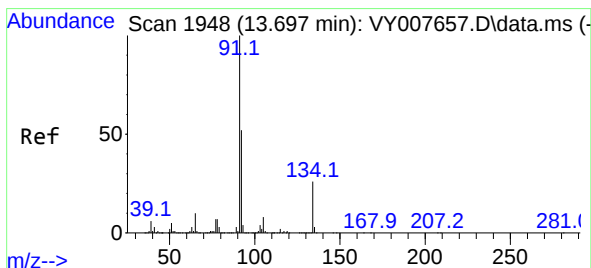
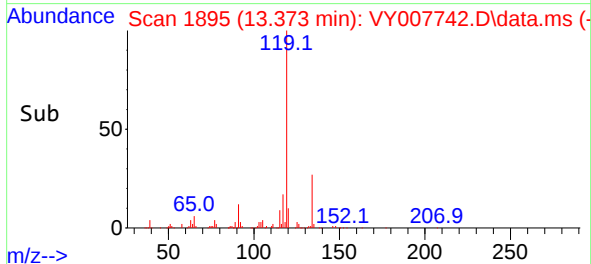
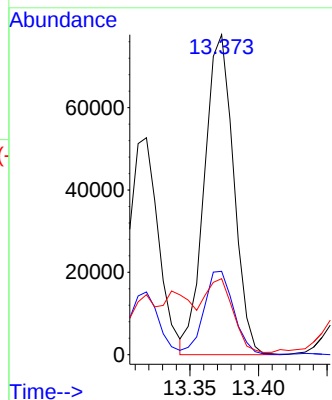
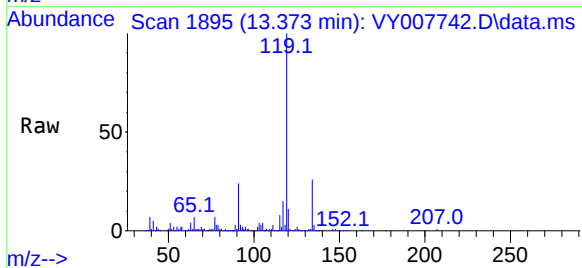
Tgt Ion:119 Resp: 115301

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 22.0 12.4 37.2



#89

n-Butylbenzene

Concen: 23.126 ug/l

RT: 13.672 min Scan# 1944

Delta R.T. -0.025 min

Lab File: VY007742.D

Acq: 04 Mar 2022 15:20

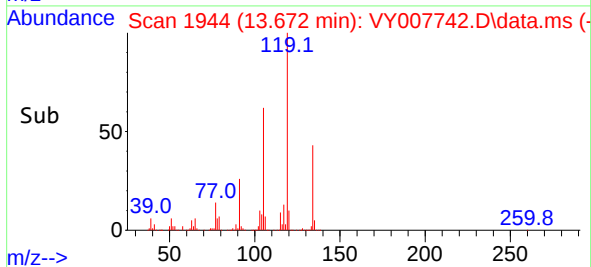
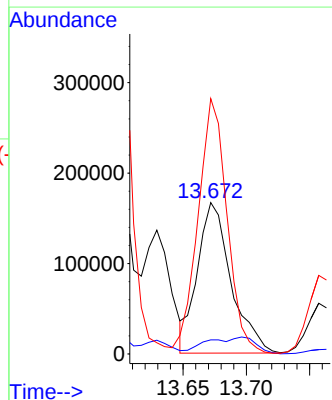
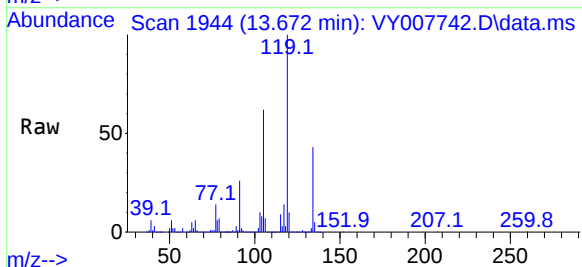
Tgt Ion: 91 Resp: 308521

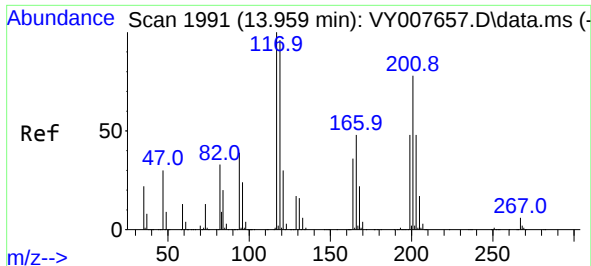
Ion Ratio Lower Upper

91 100

92 0.0 26.3 78.9#

134 146.6 13.0 38.9#

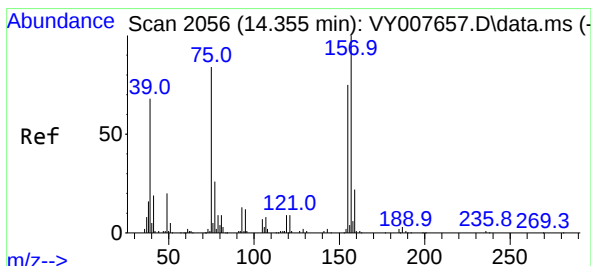
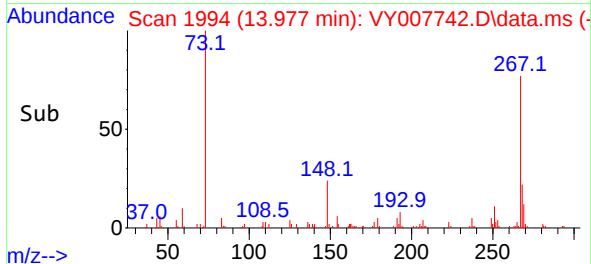
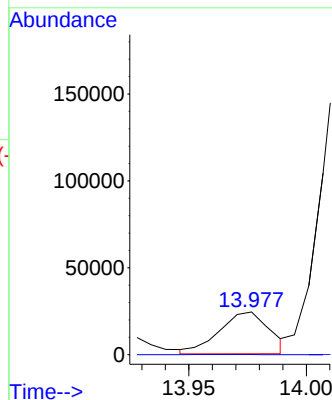
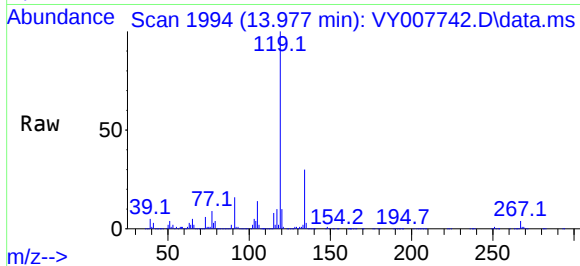




#90
Hexachloroethane
Concen: 13.330 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

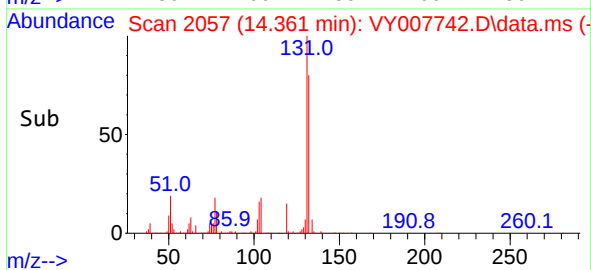
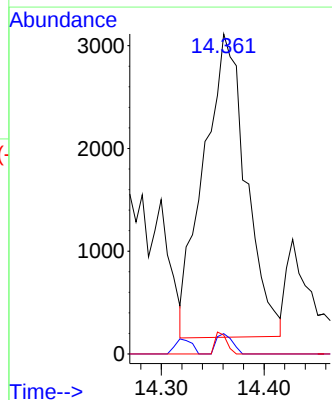
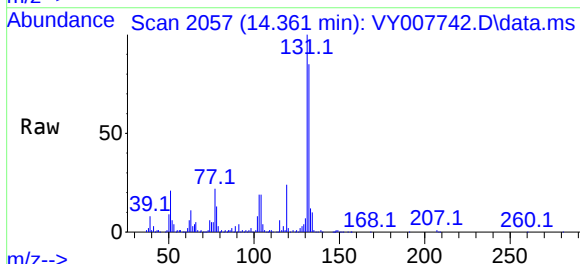
Instrument :
MSVOA_Y
ClientSampleId :

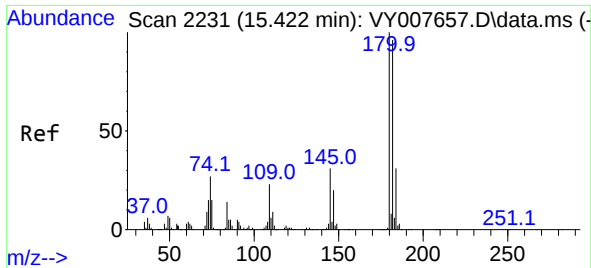
Tgt Ion:117 Resp: 35666
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.958 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY007742.D
Acq: 04 Mar 2022 15:20

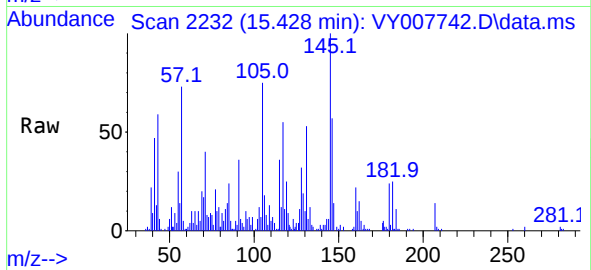
Tgt Ion: 75 Resp: 8461
Ion Ratio Lower Upper
75 100
155 2.5 38.0 113.9#
157 2.0 47.8 143.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.321 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY007742.D
 Acq: 04 Mar 2022 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 4765
 Ion Ratio Lower Upper
 180 100
 182 90.3 47.3 141.9
 145 0.0 15.3 45.9#

