

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021122\
 Data File : VY007481.D
 Acq On : 11 Feb 2022 16:56
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 02:54:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	115956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	207483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	197829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87159	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	67298	50.457	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.920%	
35) Dibromofluoromethane	7.716	113	66308	49.769	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.540%	
50) Toluene-d8	10.179	98	252386	51.274	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	12.483	95	92640	55.372	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.740%	

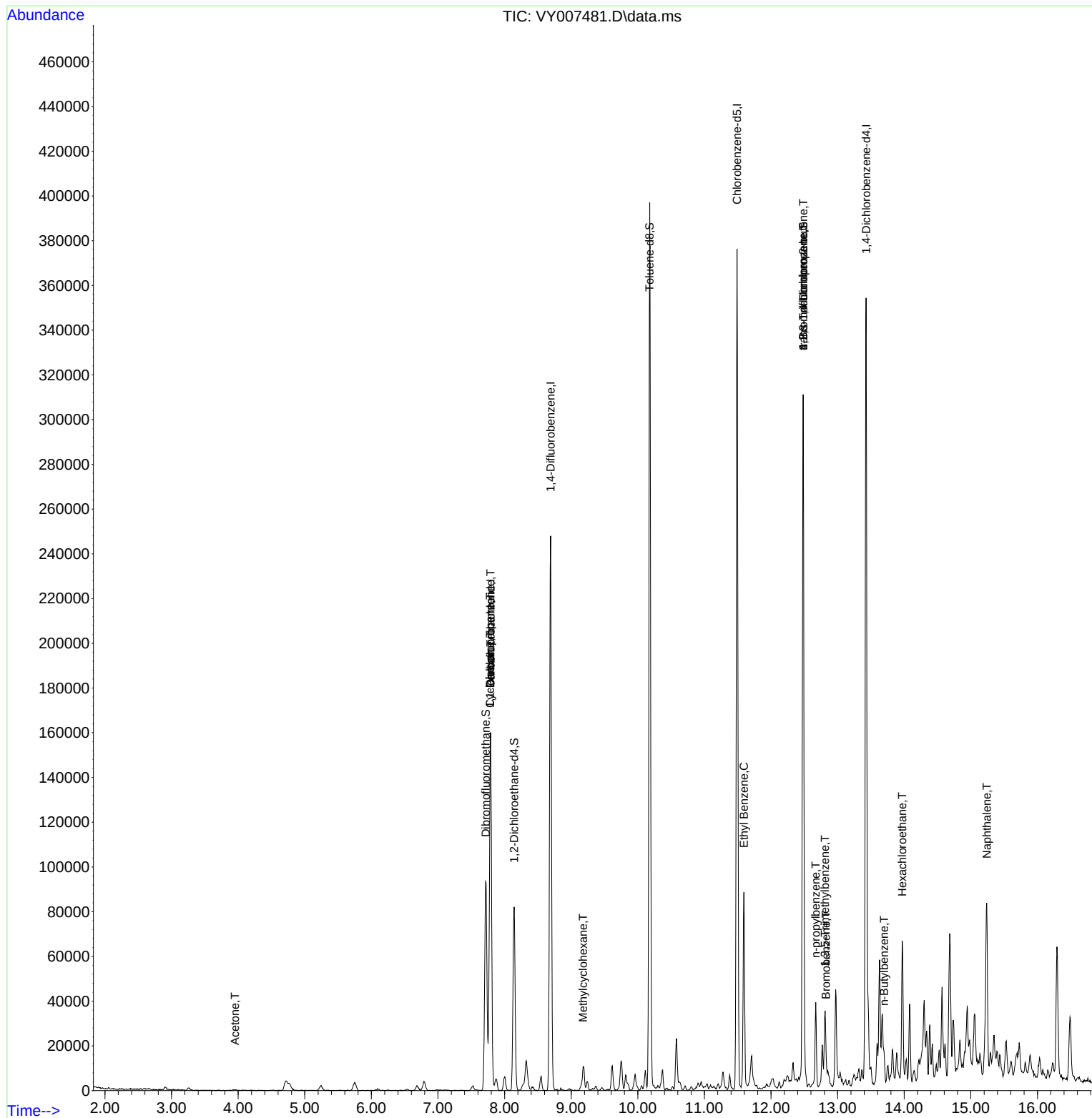
Target Compounds				Qvalue		
3) Chloromethane	2.107	50	275	Below Cal	#	44
11) Tert butyl alcohol	4.948	59	40	Below Cal	#	77
16) Acetone	3.954	43	663	1.531	ug/l #	47
20) Methylene Chloride	4.716	84	2555	Below Cal	#	75
31) Cyclohexane	7.783	56	4450	1.710	ug/l #	35
36) 1,1-Dichloropropene	7.783	75	8985	3.858	ug/l #	52
38) Carbon Tetrachloride	7.789	117	12326	5.037	ug/l #	14
39) Methylcyclohexane	9.179	83	3570	1.220	ug/l	88
67) Ethyl Benzene	11.593	91	57838	6.926	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	50655	48.887	ug/l #	100
77) Bromobenzene	12.825	156	3436	2.048	ug/l #	12
78) n-propylbenzene	12.672	91	25952	2.690	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	12182	1.875	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	50655	97.942	ug/l #	7
89) n-Butylbenzene	13.696	91	10093	1.517	ug/l #	70
90) Hexachloroethane	13.971	117	2834	2.170	ug/l #	6
95) Naphthalene	15.239	128	60552	17.182	ug/l	99

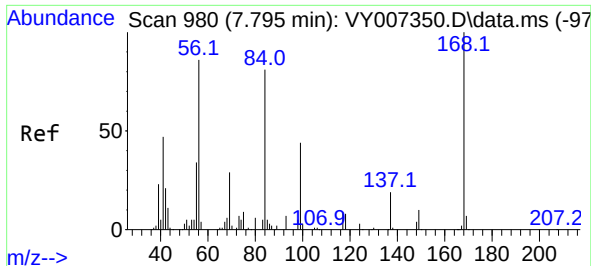
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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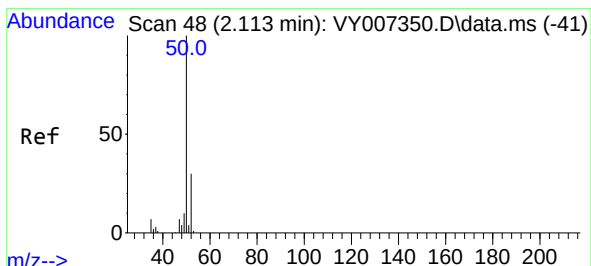
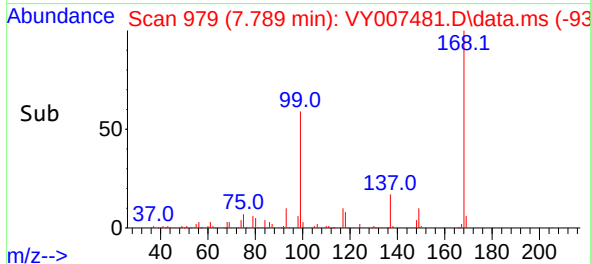
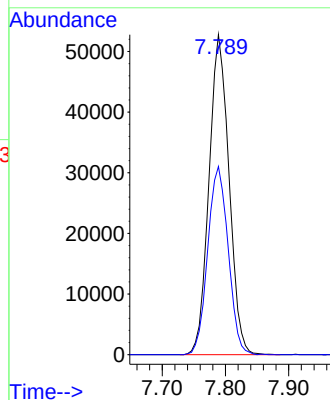
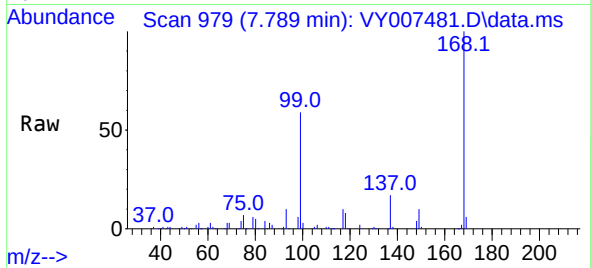




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

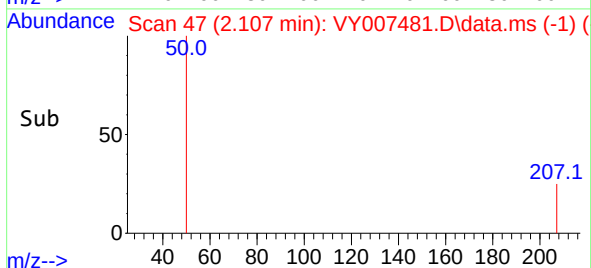
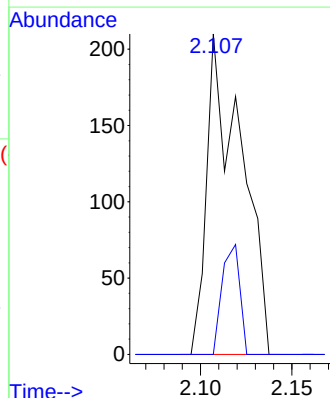
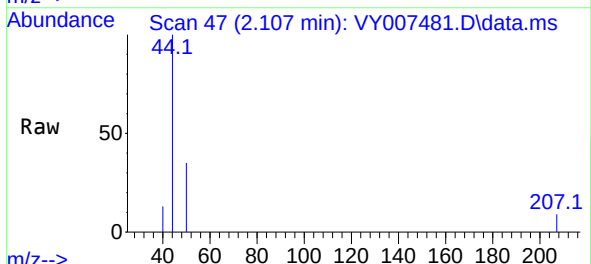
Instrument :
MSVOA_Y
ClientSampleId :

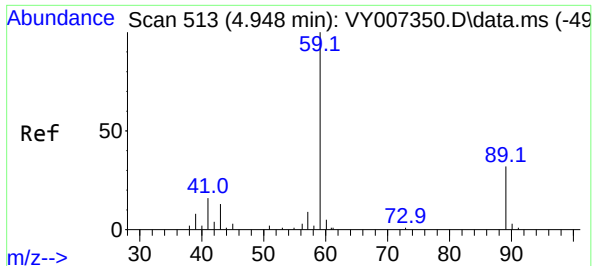
Tgt Ion:168 Resp: 115956
Ion Ratio Lower Upper
168 100
99 58.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

Tgt Ion: 50 Resp: 275
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 513

Delta R.T. -0.000 min

Lab File: VY007481.D

Acq: 11 Feb 2022 16:56

Instrument :

MSVOA_Y

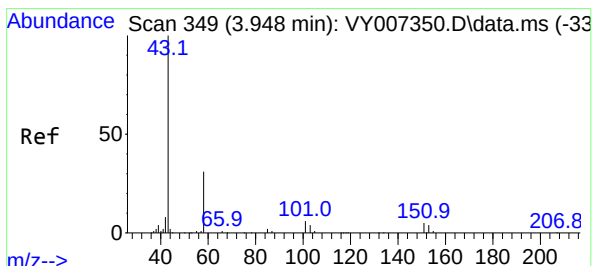
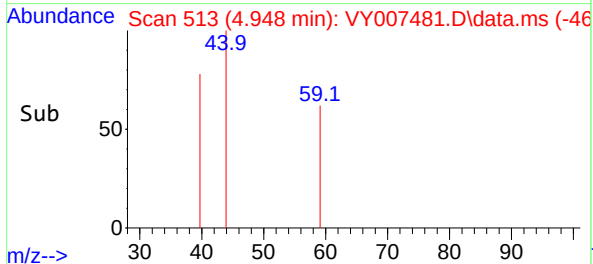
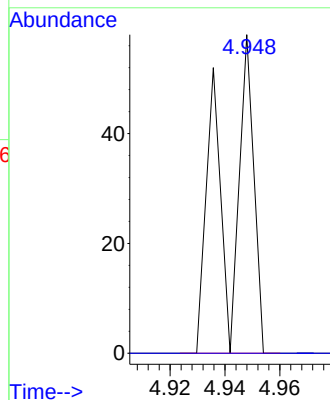
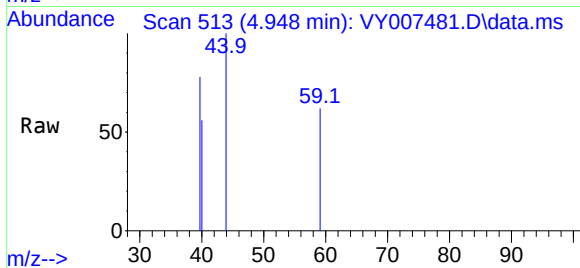
ClientSampleId :

Tgt Ion: 59 Resp: 40

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.531 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY007481.D

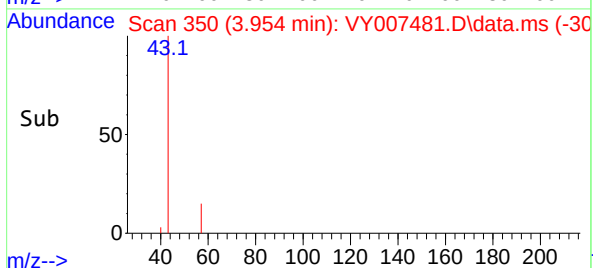
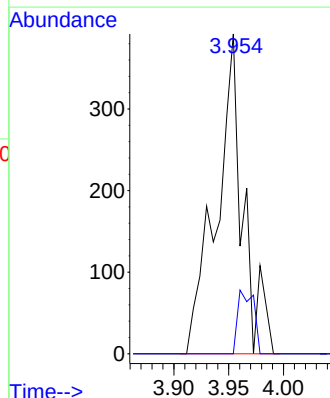
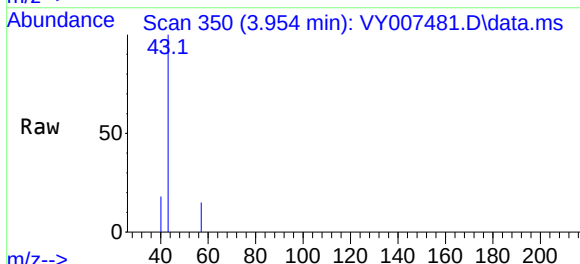
Acq: 11 Feb 2022 16:56

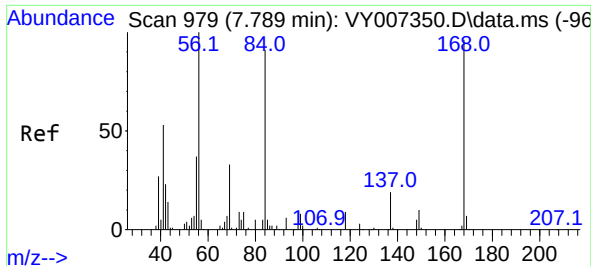
Tgt Ion: 43 Resp: 663

Ion Ratio Lower Upper

43 100

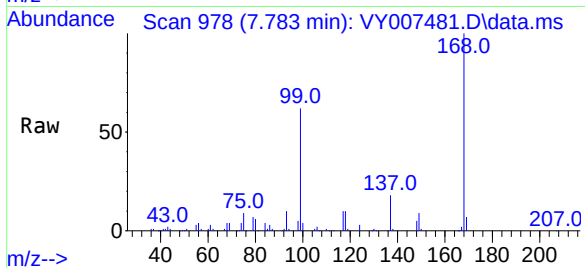
58 0.0 22.0 33.0#



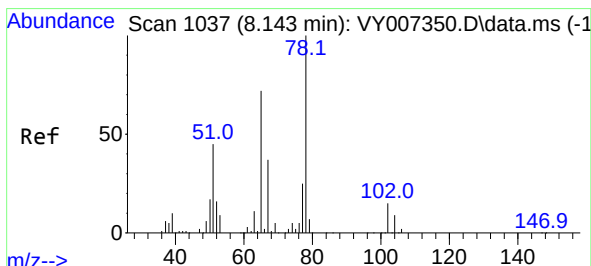
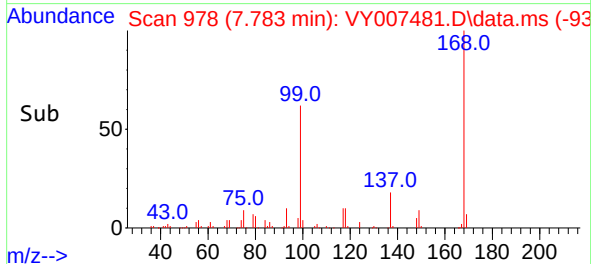
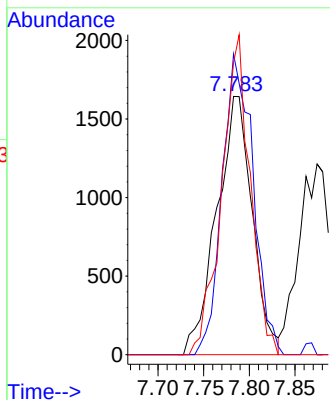


#31
Cyclohexane
Concen: 1.710 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

Instrument :
MSVOA_Y
ClientSampleId :

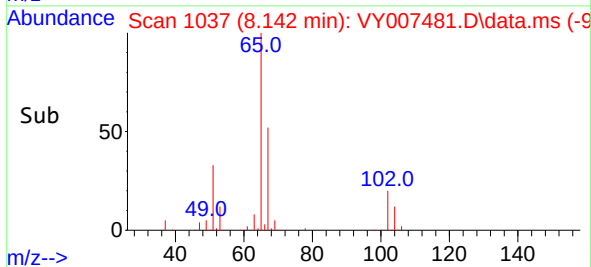
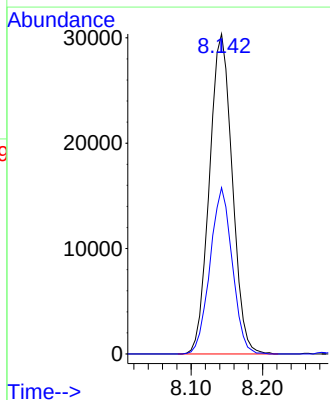
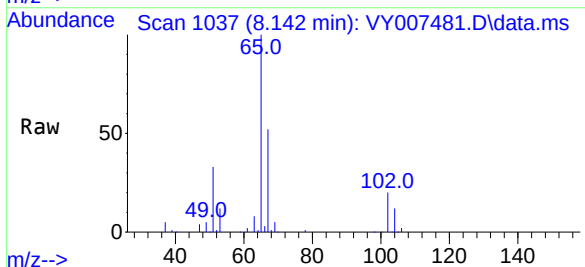


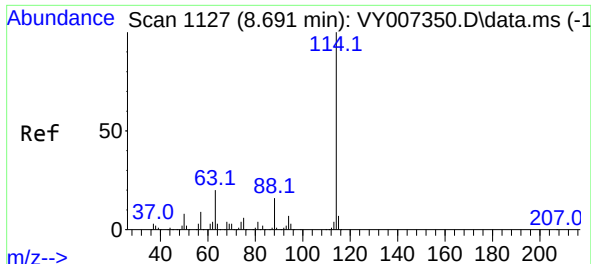
Tgt Ion: 56 Resp: 4450
Ion Ratio Lower Upper
56 100
69 116.4 26.7 40.1#
84 113.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 50.457 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

Tgt Ion: 65 Resp: 67298
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007481.D

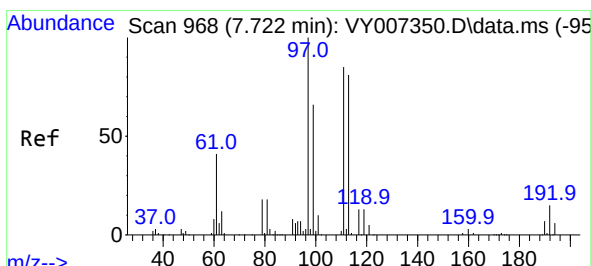
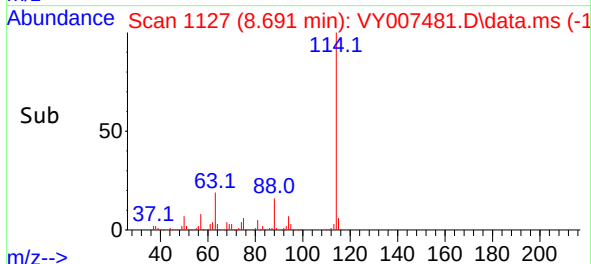
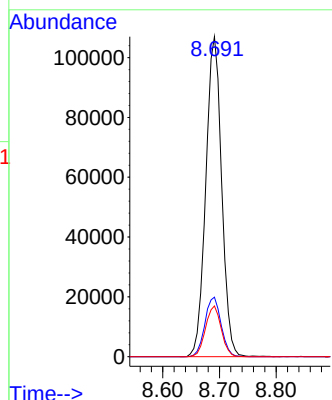
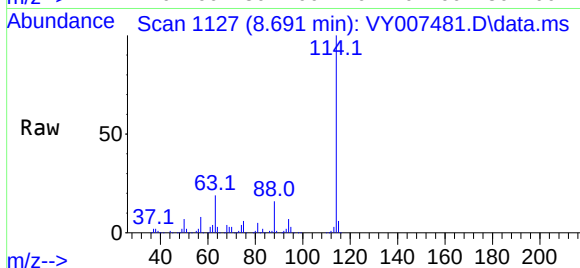
Acq: 11 Feb 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	207483
Ion	Ratio	Lower Upper
114	100	
63	18.6	0.0 43.2
88	15.8	0.0 31.8



#35

Dibromofluoromethane

Concen: 49.769 ug/l

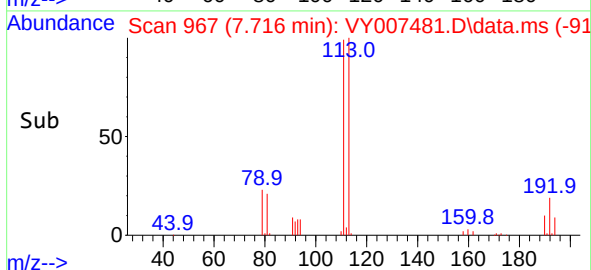
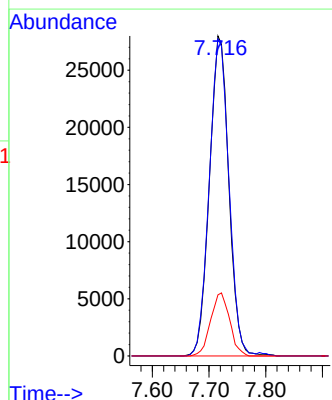
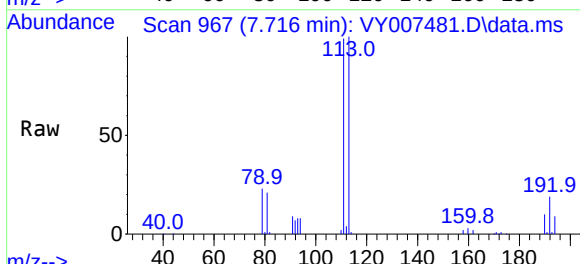
RT: 7.716 min Scan# 967

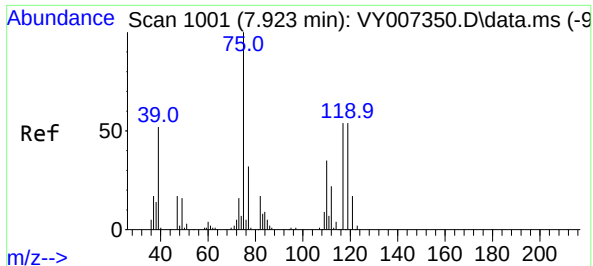
Delta R.T. -0.006 min

Lab File: VY007481.D

Acq: 11 Feb 2022 16:56

Tgt Ion:113	Resp:	66308
Ion	Ratio	Lower Upper
113	100	
111	100.7	82.6 124.0
192	19.4	17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.858 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY007481.D

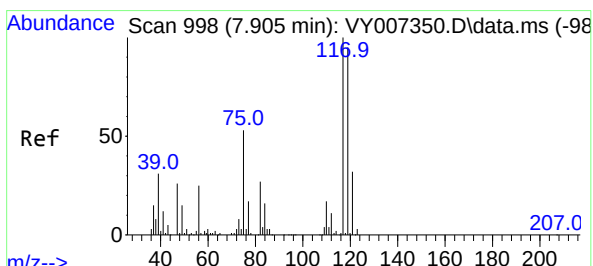
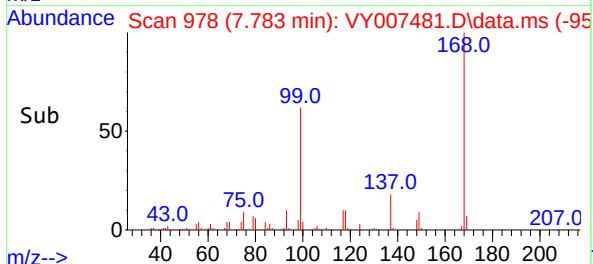
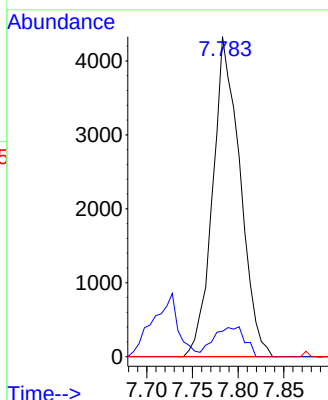
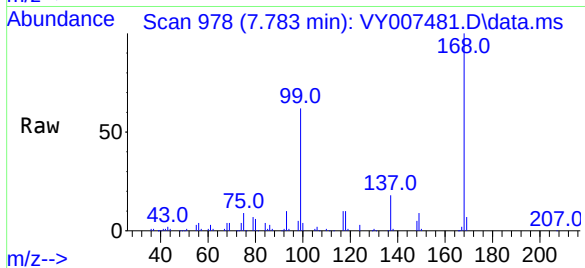
Acq: 11 Feb 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	8985
Ion Ratio	Lower	Upper
75	100	
110	10.5	17.1 51.2#
77	0.0	24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.037 ug/l

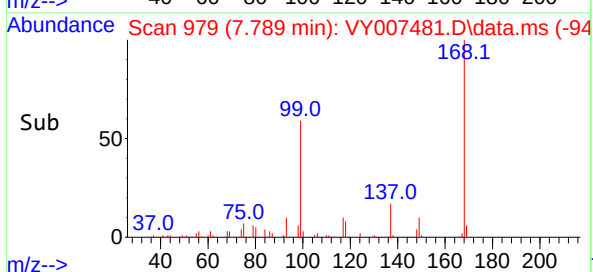
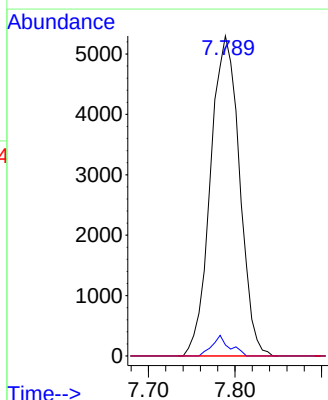
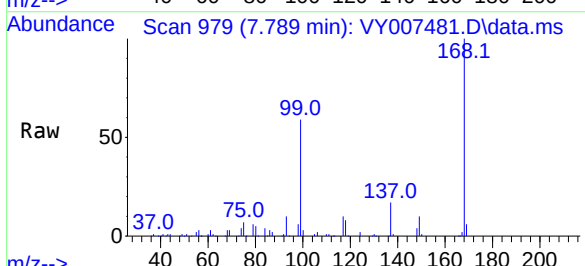
RT: 7.789 min Scan# 979

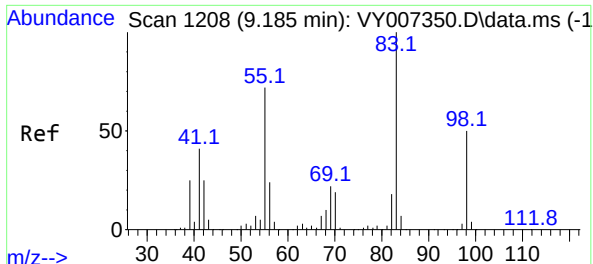
Delta R.T. -0.116 min

Lab File: VY007481.D

Acq: 11 Feb 2022 16:56

Tgt Ion: 117	Resp:	12326
Ion Ratio	Lower	Upper
117	100	
119	3.5	77.9 116.9#
121	0.0	24.8 37.2#





#39

Methylcyclohexane

Concen: 1.220 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY007481.D

Acq: 11 Feb 2022 16:56

Instrument :

MSVOA_Y

ClientSampleId :

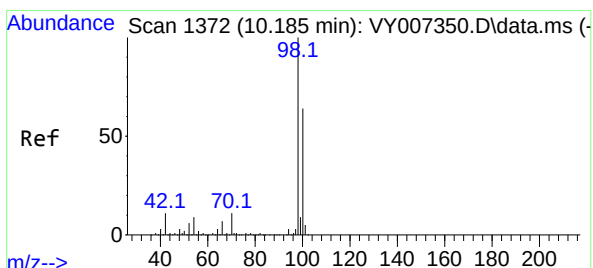
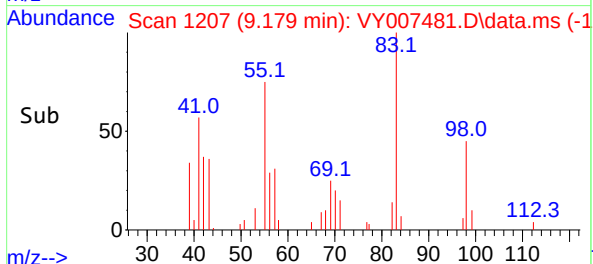
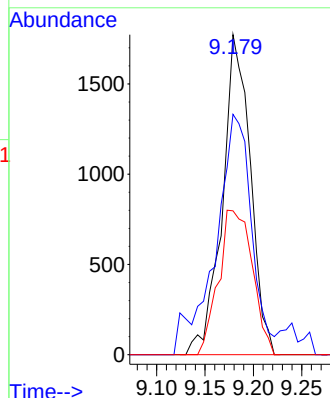
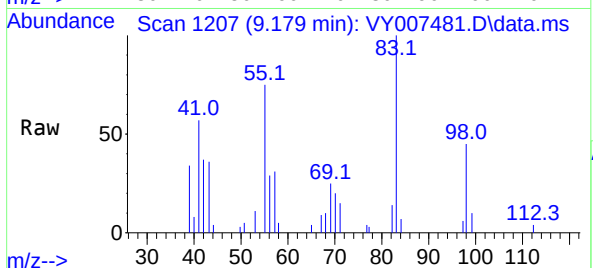
Tgt Ion: 83 Resp: 3570

Ion Ratio Lower Upper

83 100

55 67.7 66.5 99.7

98 45.0 37.9 56.9



#50

Toluene-d8

Concen: 51.274 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY007481.D

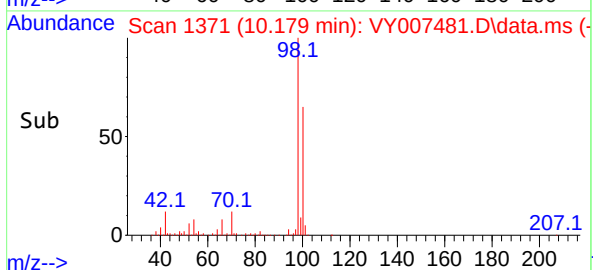
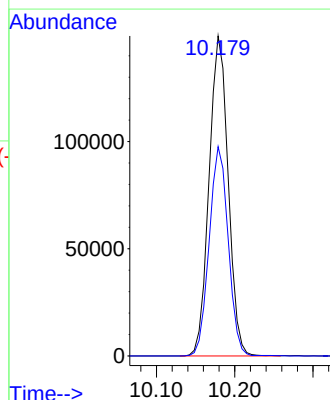
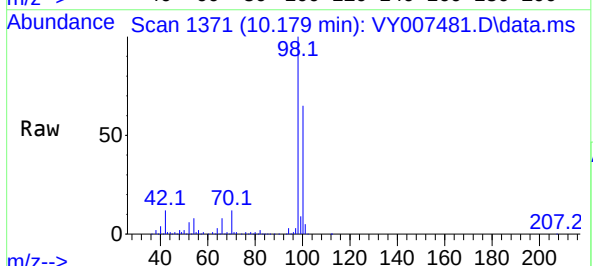
Acq: 11 Feb 2022 16:56

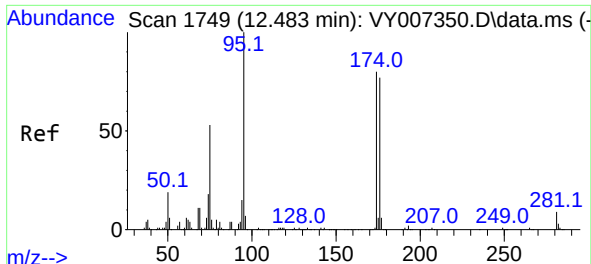
Tgt Ion: 98 Resp: 252386

Ion Ratio Lower Upper

98 100

100 65.2 50.2 75.2

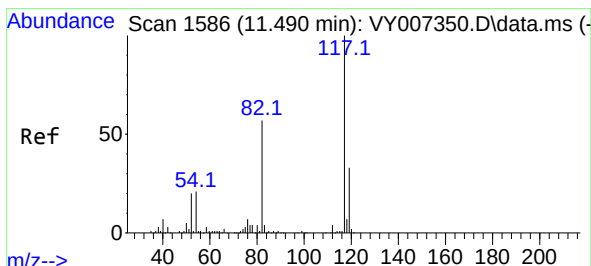
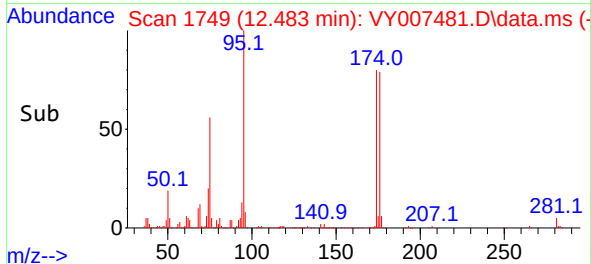
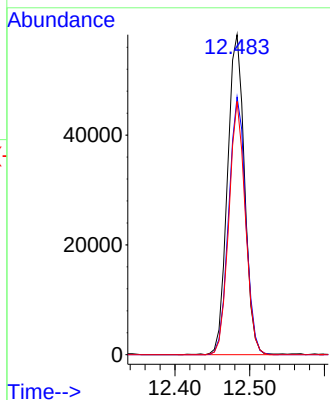
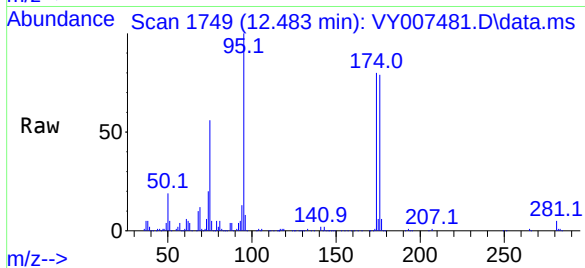




#62
4-Bromofluorobenzene
Concen: 55.372 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

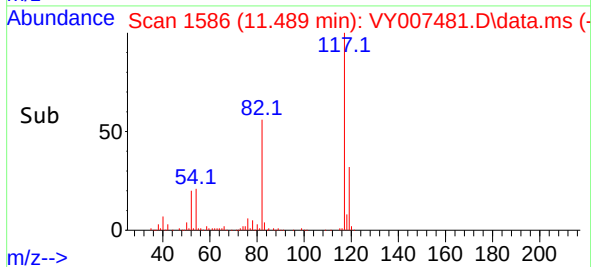
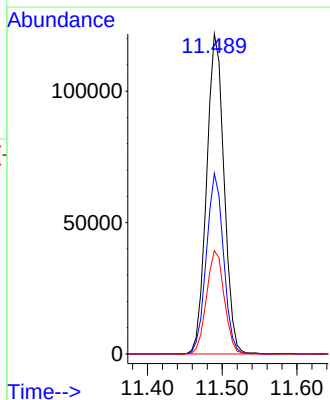
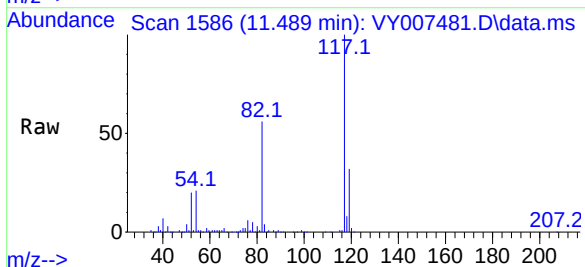
Instrument :
MSVOA_Y
ClientSampleId :

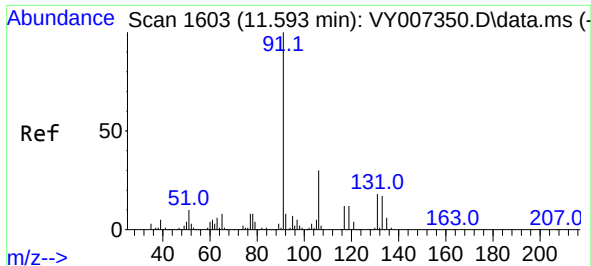
Tgt Ion: 95 Resp: 92640
Ion Ratio Lower Upper
95 100
174 80.0 0.0 177.0
176 75.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

Tgt Ion: 117 Resp: 197829
Ion Ratio Lower Upper
117 100
82 56.4 43.0 64.4
119 32.3 25.4 38.0





#67

Ethyl Benzene

Concen: 6.926 ug/l

RT: 11.593 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY007481.D

Acq: 11 Feb 2022 16:56

Instrument :

MSVOA_Y

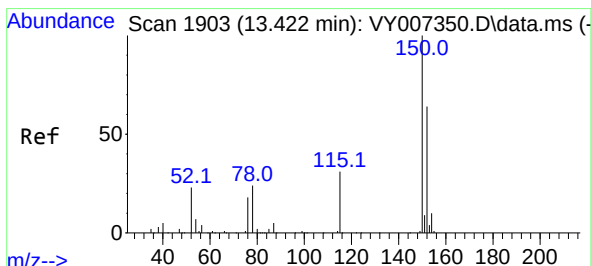
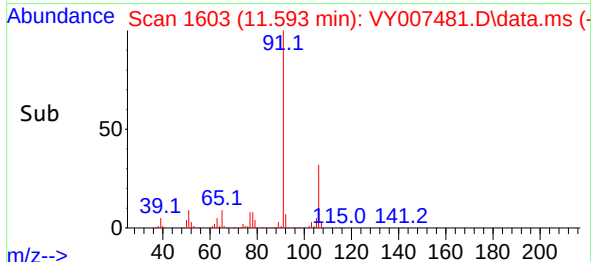
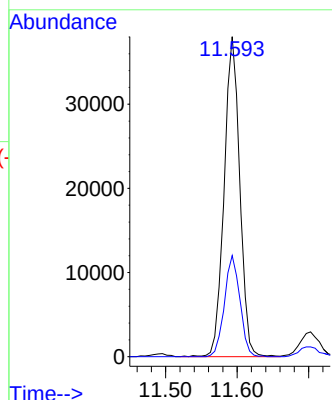
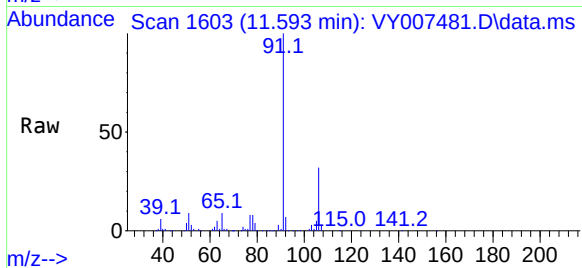
ClientSampleId :

Tgt Ion: 91 Resp: 57838

Ion Ratio Lower Upper

91 100

106 31.6 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY007481.D

Acq: 11 Feb 2022 16:56

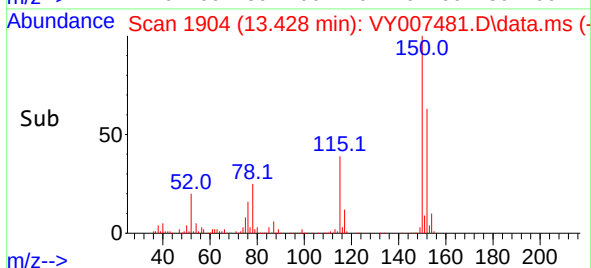
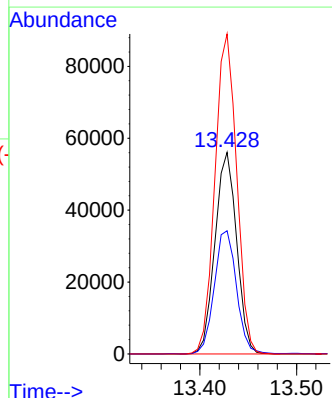
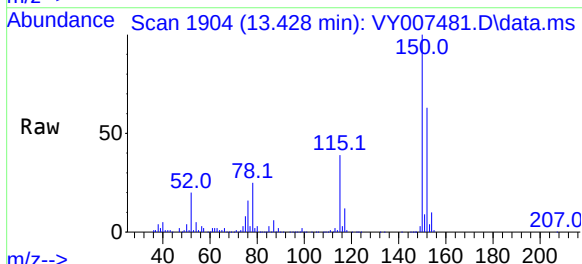
Tgt Ion:152 Resp: 87159

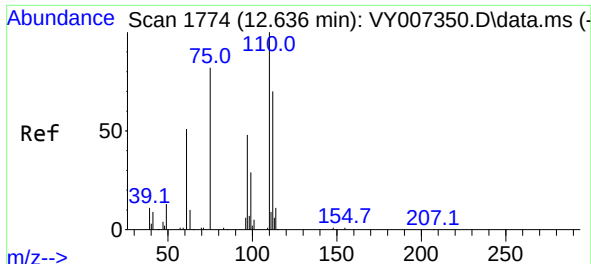
Ion Ratio Lower Upper

152 100

115 62.9 28.2 84.7

150 159.1 0.0 347.6

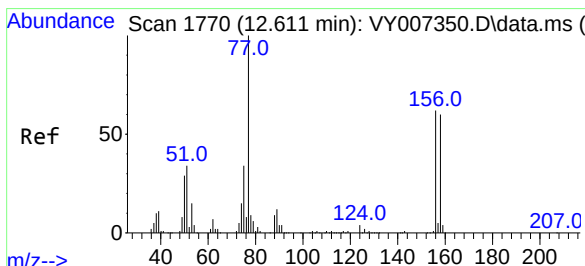
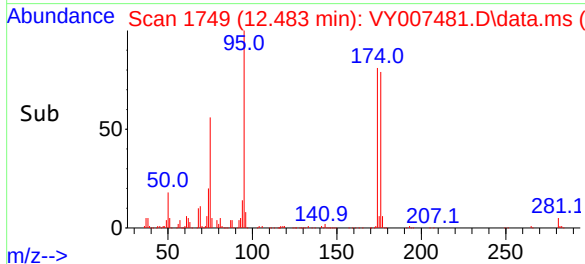
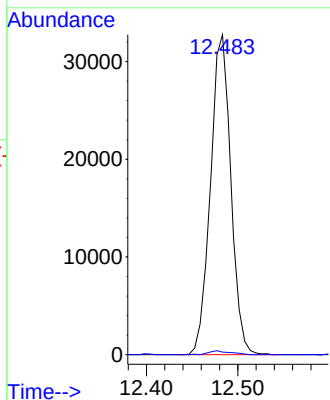
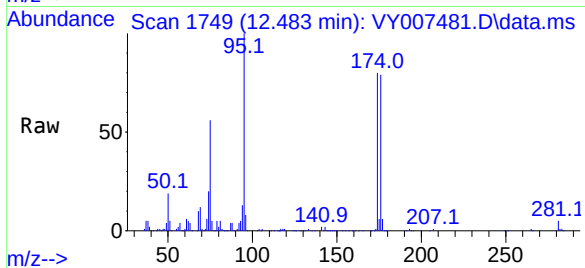




#76
1,2,3-Trichloropropane
Concen: 48.887 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

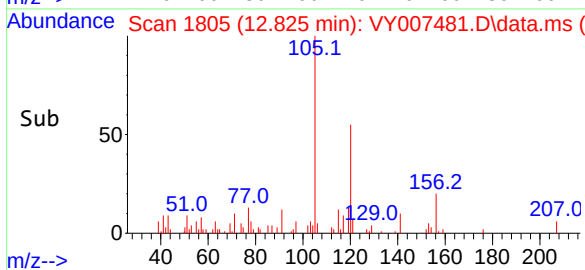
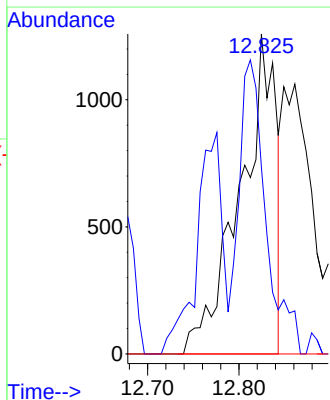
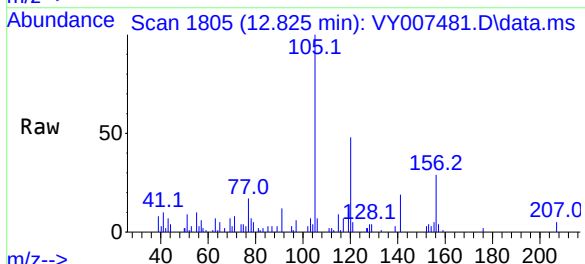
Instrument :
MSVOA_Y
ClientSampleId :

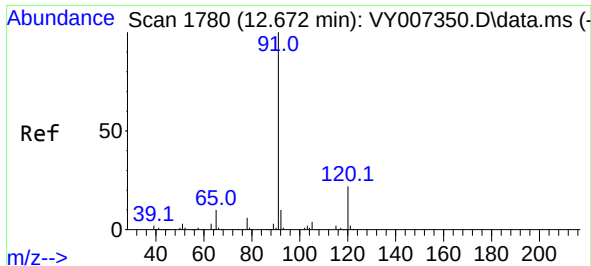
Tgt Ion: 75 Resp: 50655
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#77
Bromobenzene
Concen: 2.048 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.213 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

Tgt Ion:156 Resp: 3436
Ion Ratio Lower Upper
156 100
77 68.5 95.5 286.4#
158 0.0 48.0 144.0#

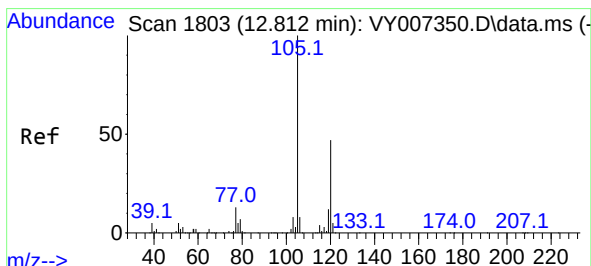
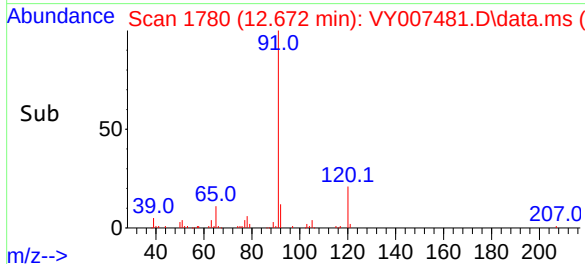
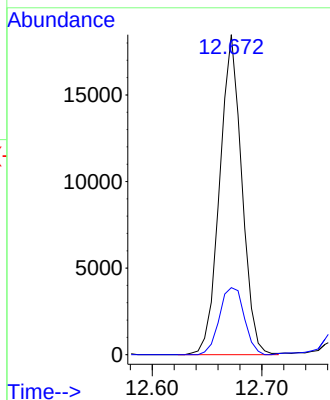
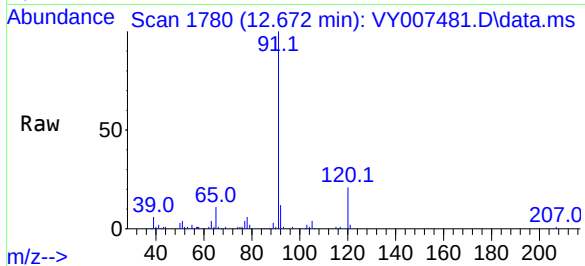




#78
n-propylbenzene
Concen: 2.690 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

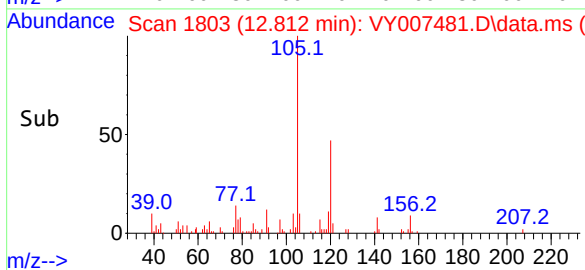
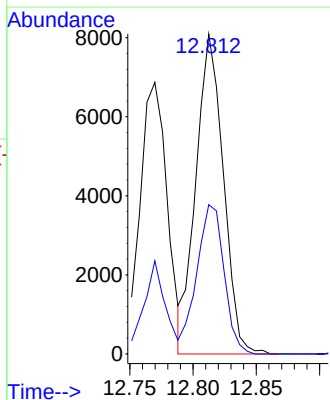
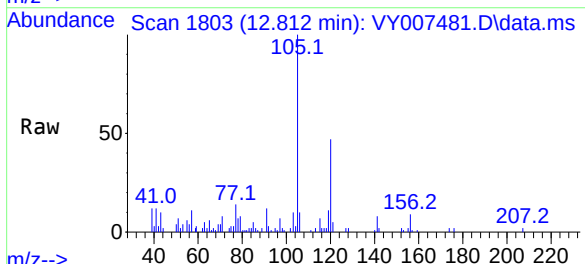
Instrument :
MSVOA_Y
ClientSampleId :

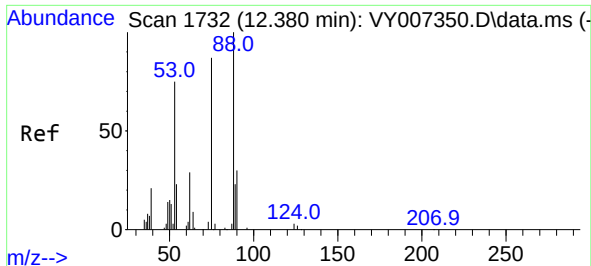
Tgt Ion: 91 Resp: 25952
Ion Ratio Lower Upper
91 100
120 23.5 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 1.875 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

Tgt Ion: 105 Resp: 12182
Ion Ratio Lower Upper
105 100
120 46.6 24.4 73.4

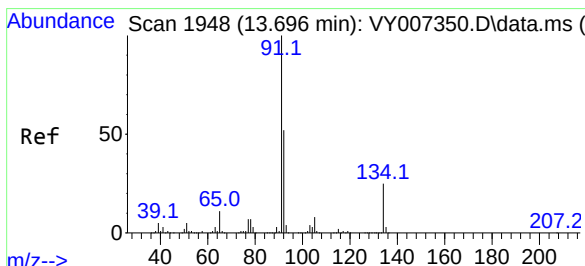
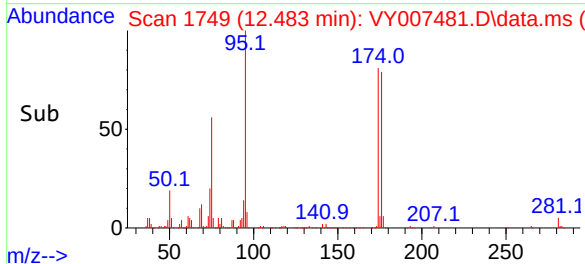
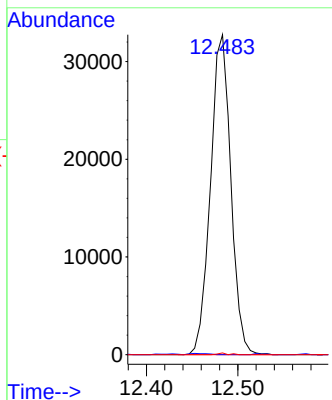
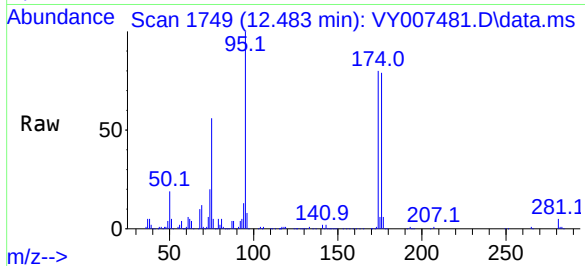




#81
trans-1,4-Dichloro-2-butene
Concen: 97.942 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

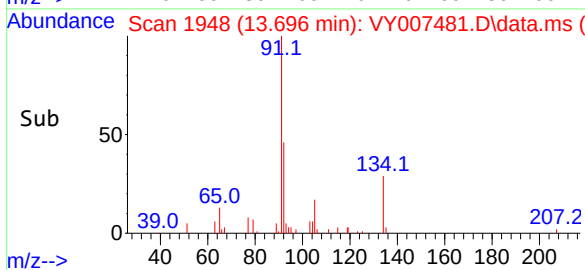
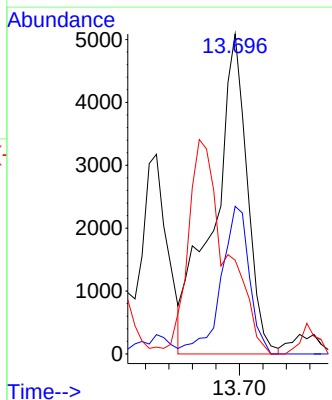
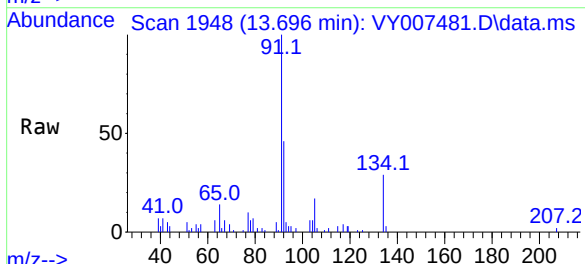
Instrument :
MSVOA_Y
ClientSampleId :

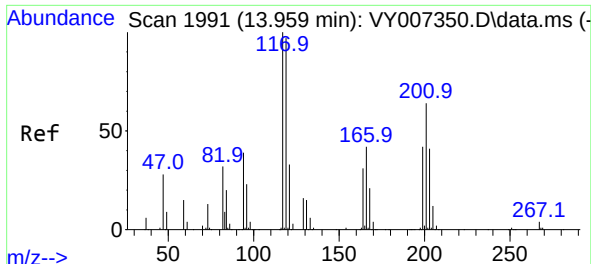
Tgt Ion: 75 Resp: 50655
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#



#89
n-Butylbenzene
Concen: 1.517 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

Tgt Ion: 91 Resp: 10093
Ion Ratio Lower Upper
91 100
92 38.6 26.3 78.9
134 0.0 13.0 38.9#

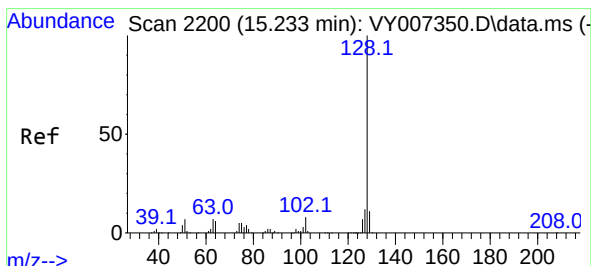
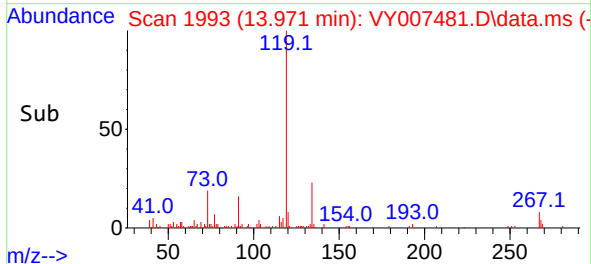
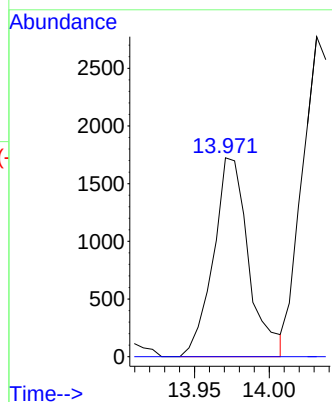
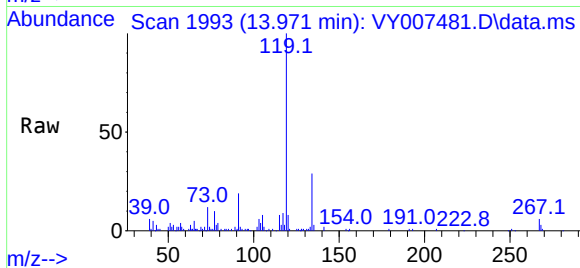




#90
Hexachloroethane
Concen: 2.170 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 2834
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 17.182 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY007481.D
Acq: 11 Feb 2022 16:56

Tgt Ion:128 Resp: 60552
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.4
129 11.0 8.4 12.6

