

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051122\
 Data File : VY008701.D
 Acq On : 11 May 2022 12:56
 Operator : KP/MD
 Sample : N2712-07RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1RE

Quant Time: May 12 06:27:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050922S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 09 19:21:20 2022
 Response via : Initial Calibration

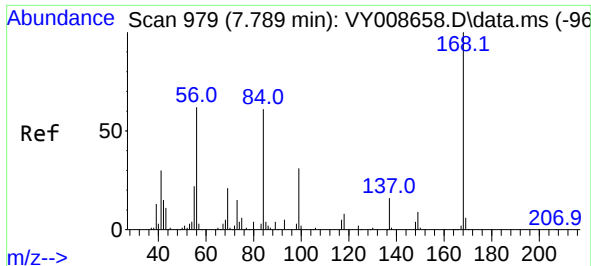
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	6277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	10374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	9612	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	3737	69.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.960%	
35) Dibromofluoromethane	7.716	113	3525	55.139	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.280%	
50) Toluene-d8	10.179	98	11627	51.611	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	12.483	95	3735	46.083	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.160%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.266	62	877	17.103	ug/l #	43
13) Acrolein	3.717	56	22	4.142	ug/l #	14
15) Acrylonitrile	5.149	53	25	1.421	ug/l #	17
16) Acetone	3.948	43	438	34.518	ug/l #	47
20) Methylene Chloride	4.698	84	134	1.739	ug/l #	15
36) 1,1-Dichloropropene	7.795	75	215	2.093	ug/l #	42
38) Carbon Tetrachloride	7.789	117	486	4.678	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	1724	37.865	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1724	75.334	ug/l #	7
82) 4-Chlorotoluene	12.855	91	278	1.321	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.130	105	274	1.110	ug/l #	31
87) 1,3-Dichlorobenzene	13.447	146	283	1.895	ug/l	94
88) 1,4-Dichlorobenzene	13.447	146	283	1.911	ug/l	96
89) n-Butylbenzene	13.697	91	324	1.286	ug/l #	66
91) 1,2-Dichlorobenzene	13.745	146	201	1.517	ug/l #	70
93) 1,2,4-Trichlorobenzene	15.013	180	255	3.013	ug/l #	78
95) Naphthalene	15.233	128	538	3.108	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	286	3.835	ug/l #	40

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

Quant Time: May 12 06:27:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050922S.M
Quant Title : SW846 8260
QLast Update : Mon May 09 19:21:20 2022
Response via : Initial Calibration

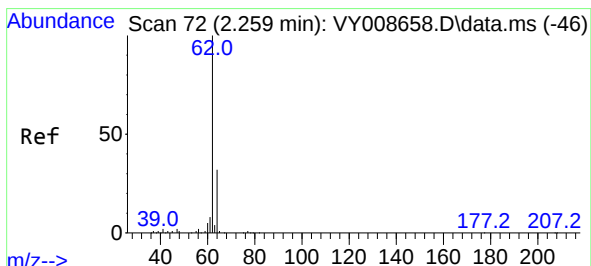
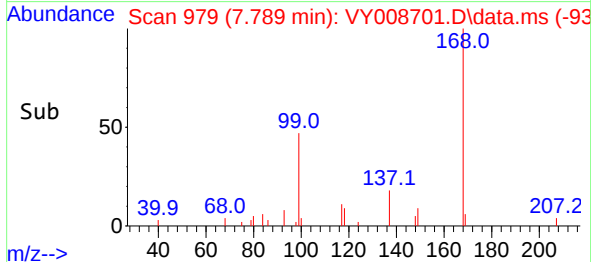
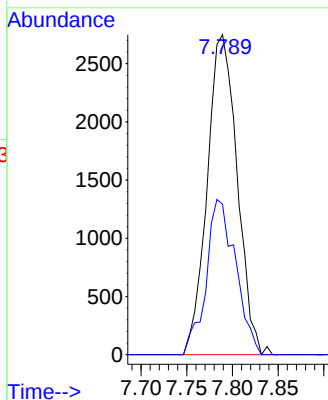
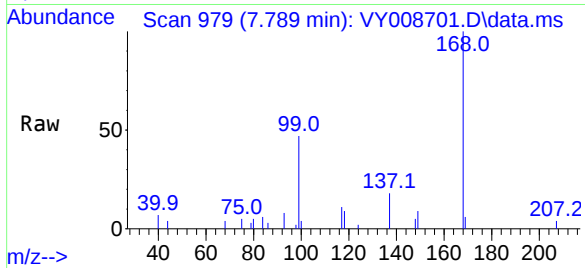




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

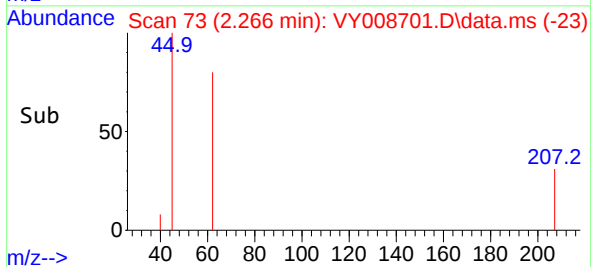
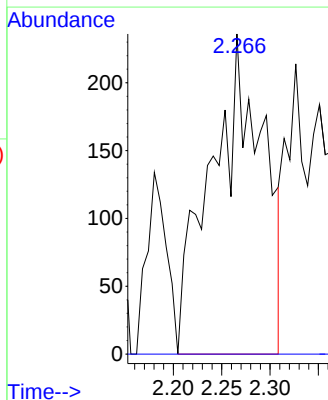
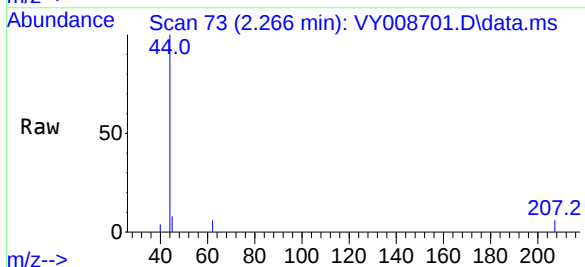
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

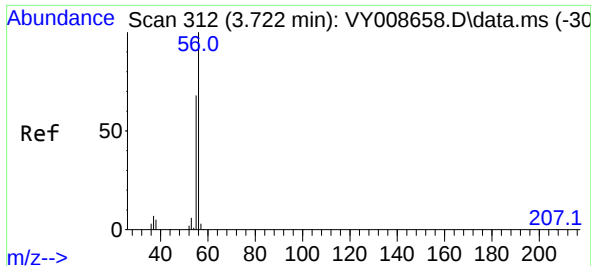
Tgt Ion:168 Resp: 6277
Ion Ratio Lower Upper
168 100
99 47.0 46.9 70.3



#4
Vinyl Chloride
Concen: 17.103 ug/l
RT: 2.266 min Scan# 73
Delta R.T. 0.007 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Tgt Ion: 62 Resp: 877
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

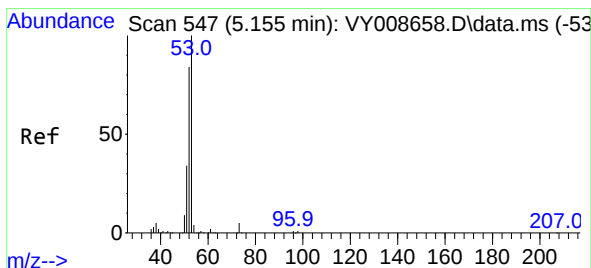
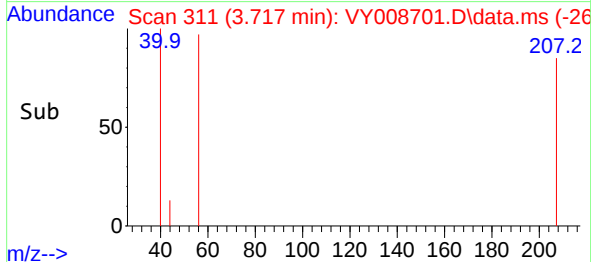
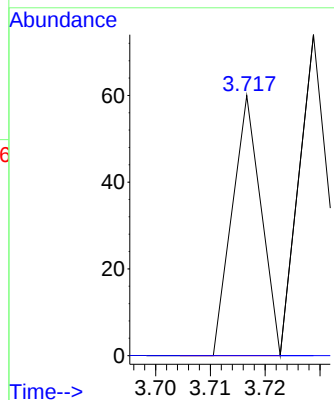
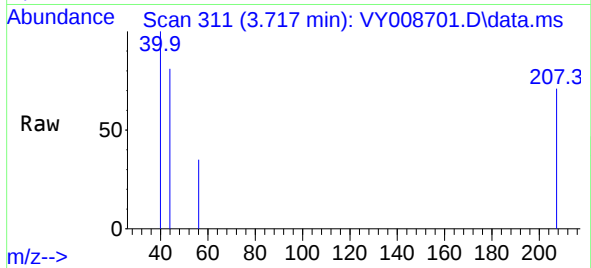




#13
Acrolein
Concen: 4.142 ug/l
RT: 3.717 min Scan# 311
Delta R.T. -0.005 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

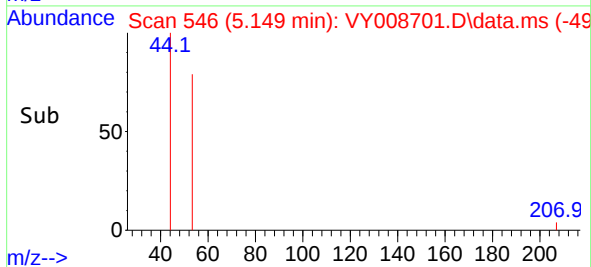
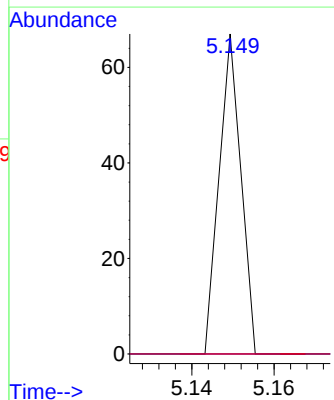
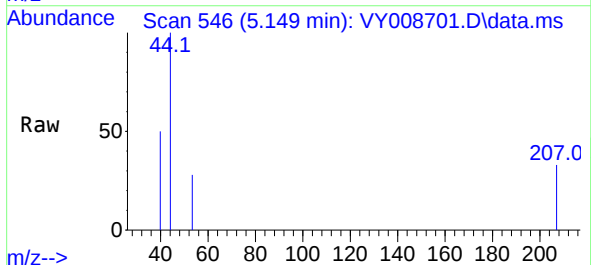
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

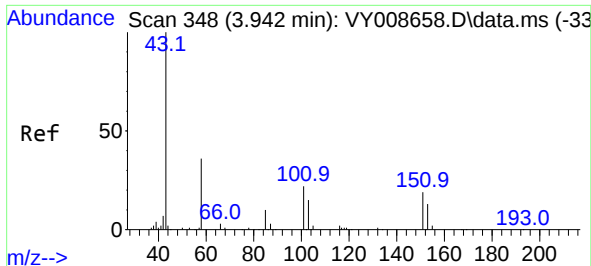
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#15
Acrylonitrile
Concen: 1.421 ug/l
RT: 5.149 min Scan# 546
Delta R.T. -0.006 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Tgt Ion: 53 Resp: 25
Ion Ratio Lower Upper
53 100
52 0.0 67.0 100.4#
51 0.0 29.8 44.6#

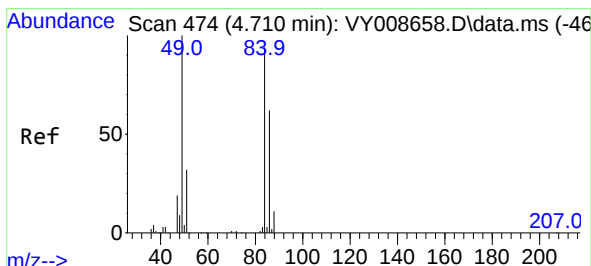
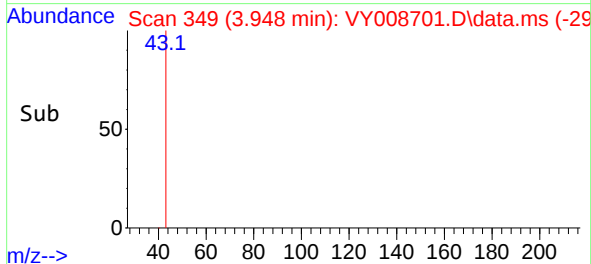
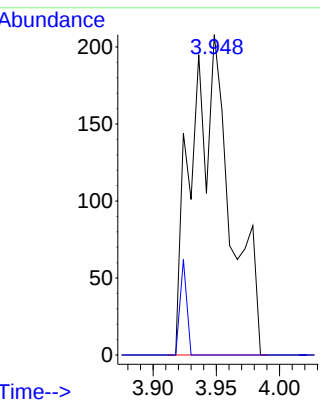
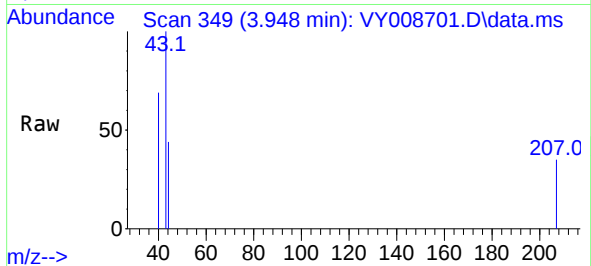




#16
Acetone
Concen: 34.518 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

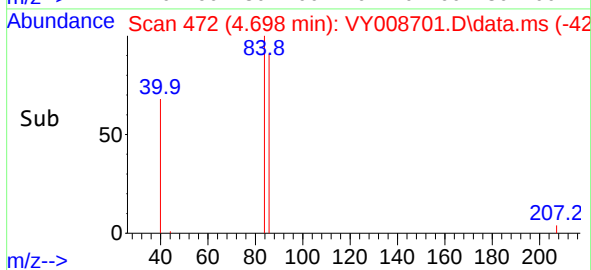
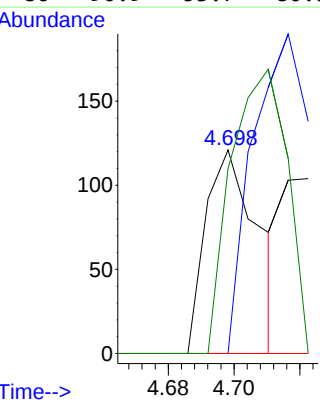
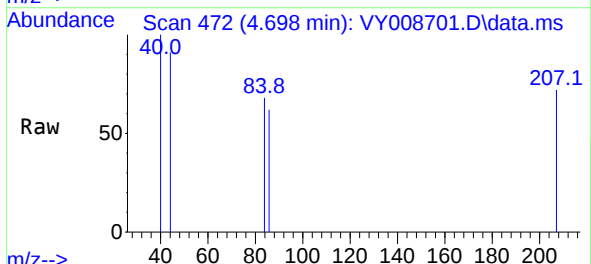
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

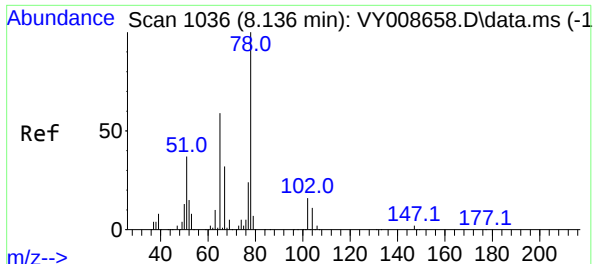
Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 1.739 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Tgt Ion: 84 Resp: 134
Ion Ratio Lower Upper
84 100
49 0.0 114.4 171.6#
51 0.0 35.3 52.9#
86 90.9 53.7 80.5#





#33

1,2-Dichloroethane-d4

Concen: 69.481 ug/l

RT: 8.143 min Scan# 1107

Delta R.T. 0.007 min

Lab File: VY008701.D

Acq: 11 May 2022 12:56

Instrument :

MSVOA_Y

ClientSampleId :

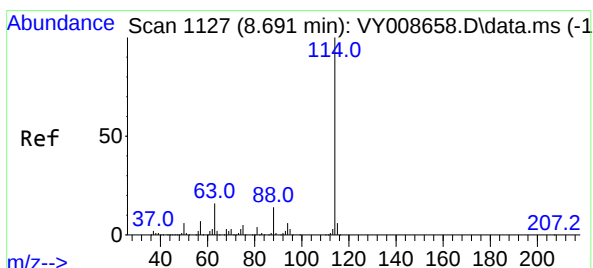
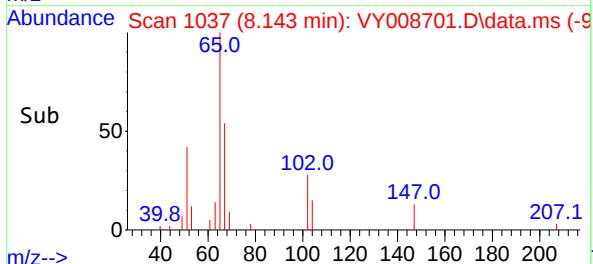
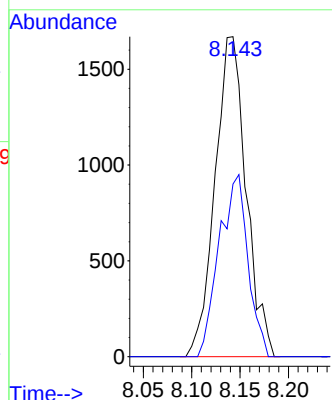
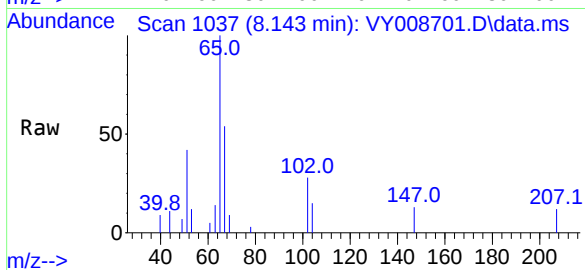
TP-1RE

Tgt Ion: 65 Resp: 3737

Ion Ratio Lower Upper

65 100

67 52.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY008701.D

Acq: 11 May 2022 12:56

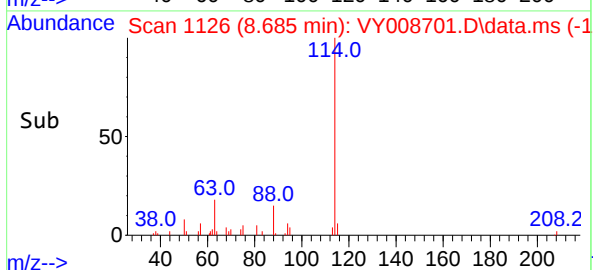
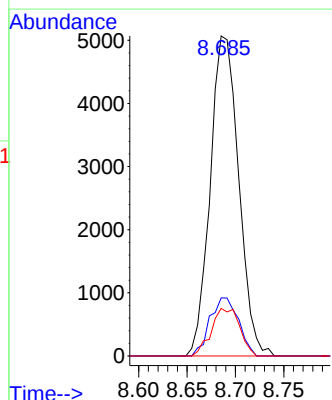
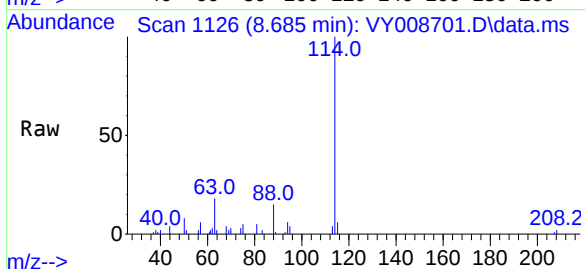
Tgt Ion: 114 Resp: 10374

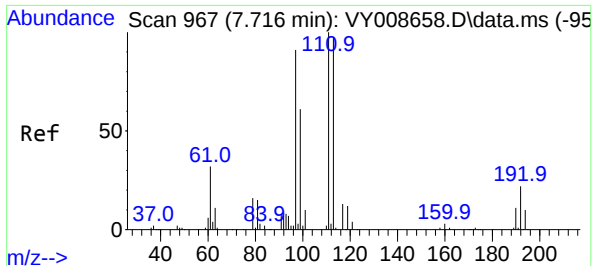
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 55.139 ug/l

RT: 7.716 min Scan# 90

Delta R.T. -0.000 min

Lab File: VY008701.D

Acq: 11 May 2022 12:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-1RE

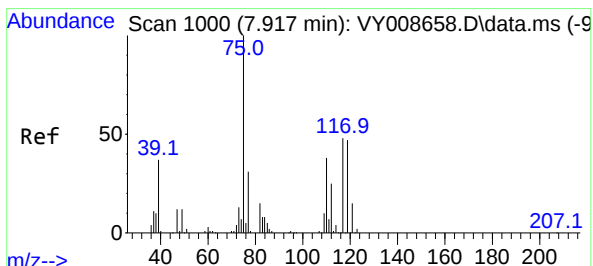
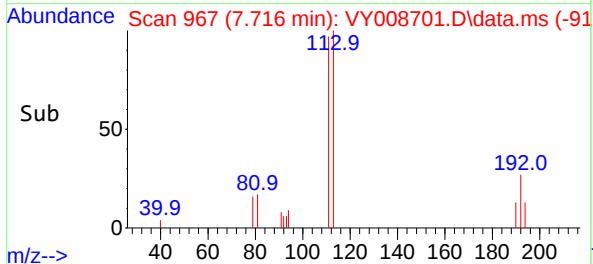
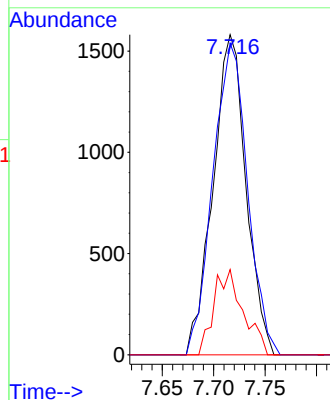
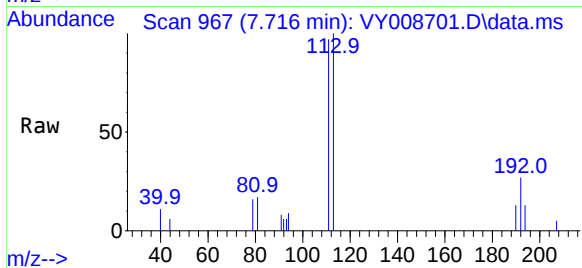
Tgt Ion:113 Resp: 3525

Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 23.6 17.6 26.4



#36

1,1-Dichloropropene

Concen: 2.093 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.122 min

Lab File: VY008701.D

Acq: 11 May 2022 12:56

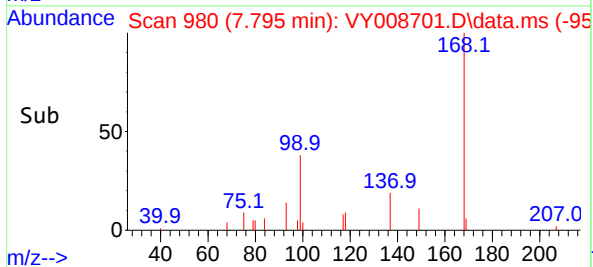
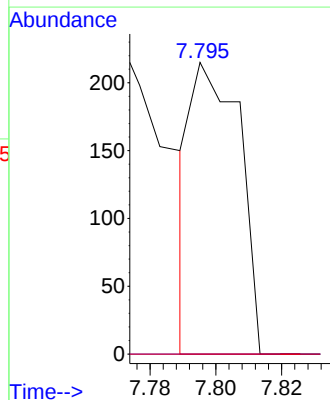
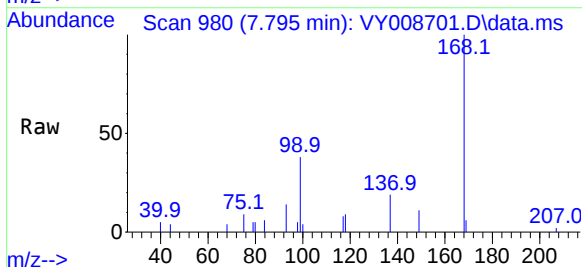
Tgt Ion: 75 Resp: 215

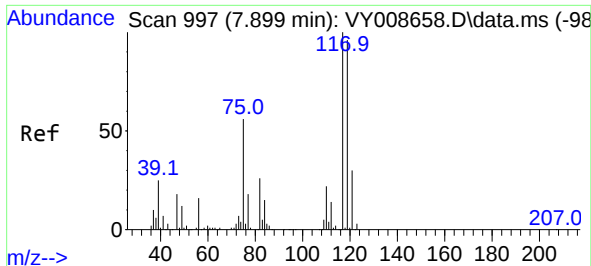
Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#

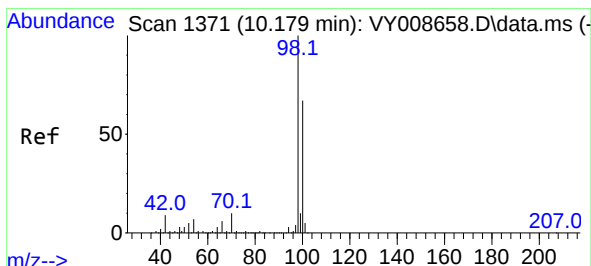
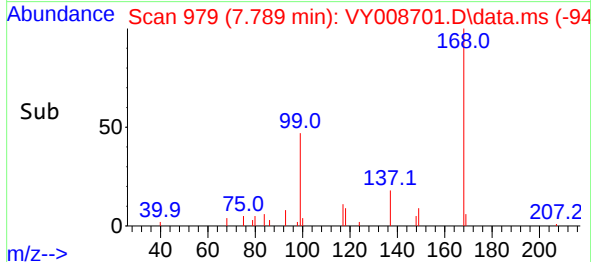
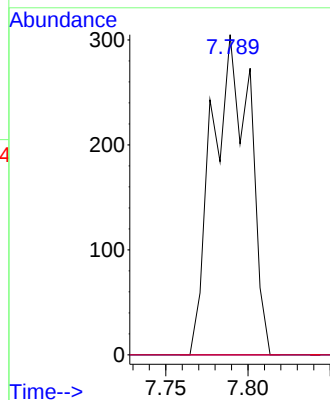
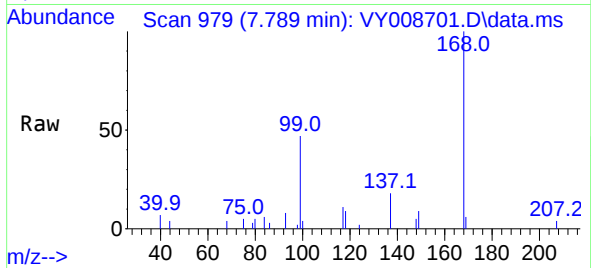




#38
Carbon Tetrachloride
Concen: 4.678 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

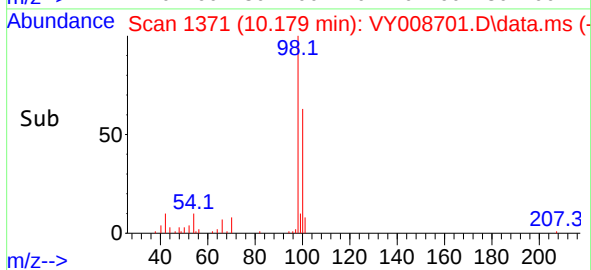
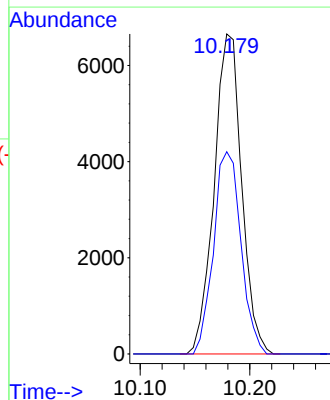
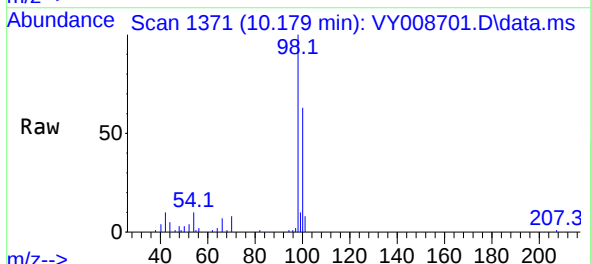
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

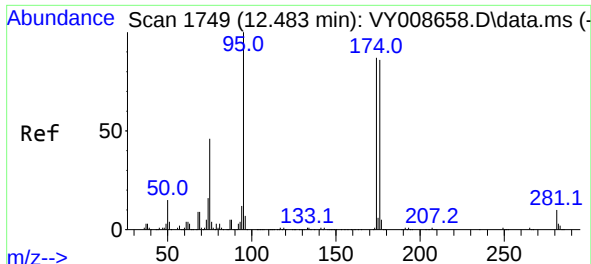
Tgt Ion:117 Resp: 486
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.611 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Tgt Ion: 98 Resp: 11627
Ion Ratio Lower Upper
98 100
100 62.8 50.2 75.2

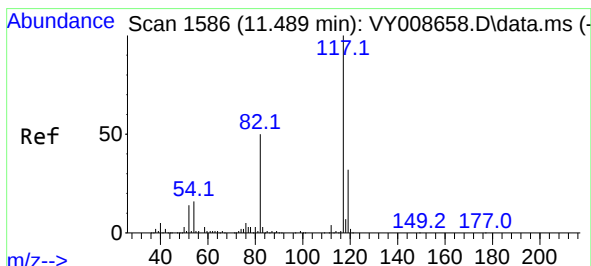
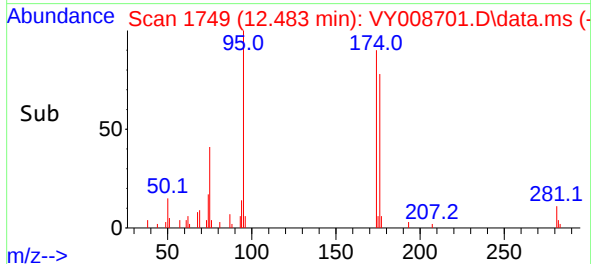
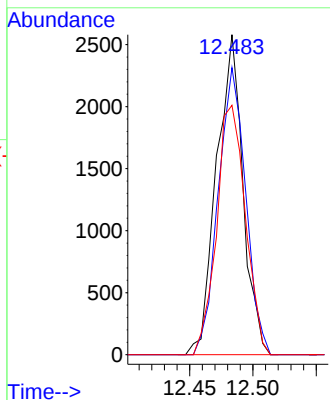
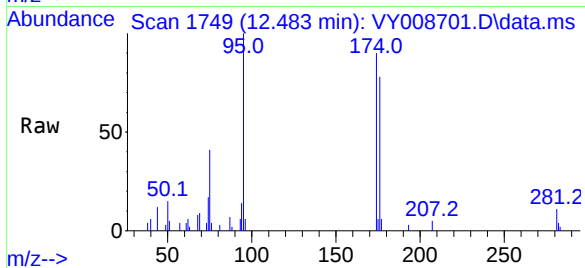




#62
4-Bromofluorobenzene
Concen: 46.083 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

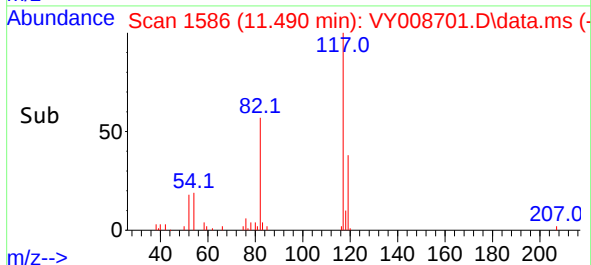
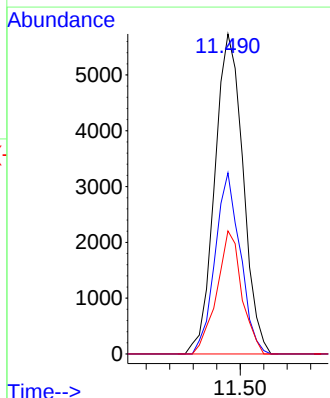
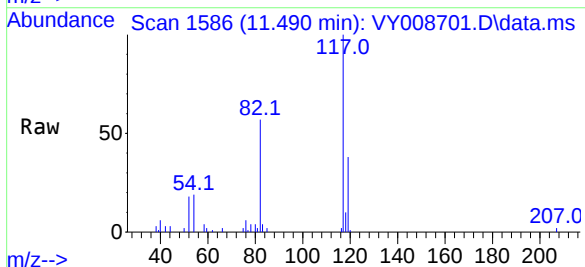
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

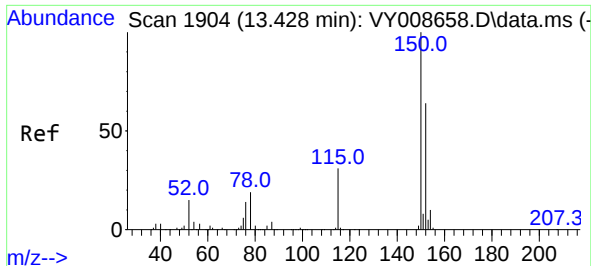
Tgt Ion: 95 Resp: 3735
Ion Ratio Lower Upper
95 100
174 93.3 0.0 177.0
176 85.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Tgt Ion: 117 Resp: 9612
Ion Ratio Lower Upper
117 100
82 56.6 43.0 64.4
119 38.4 25.4 38.0#

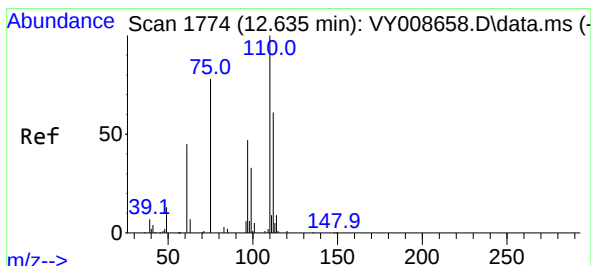
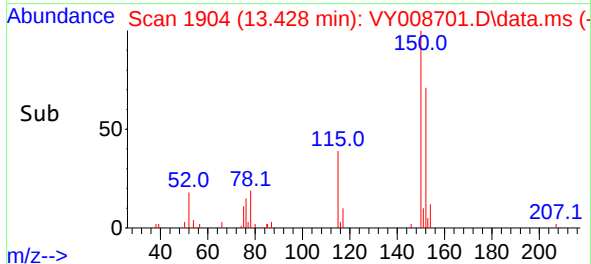
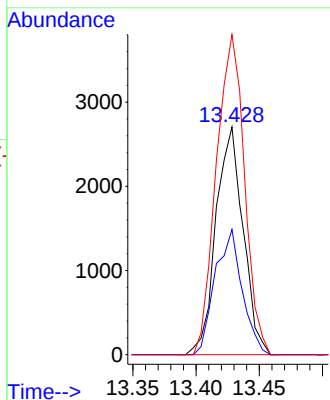
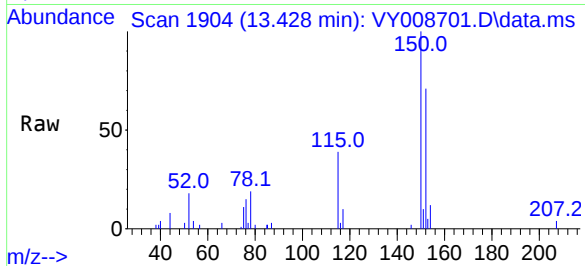




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008701.D
 Acq: 11 May 2022 12:56

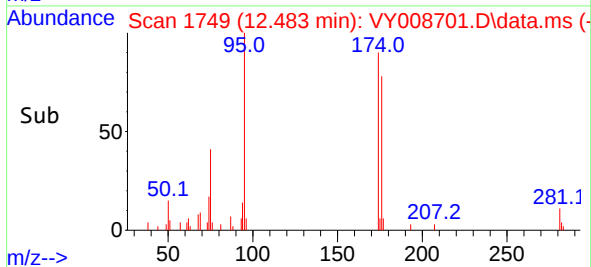
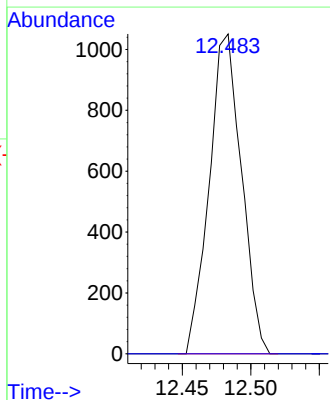
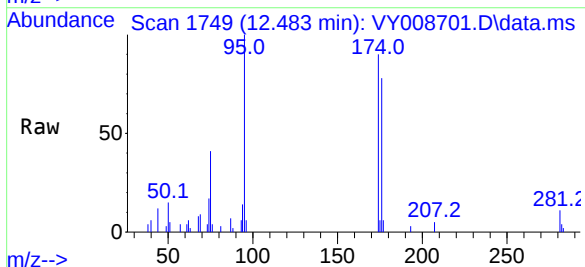
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1RE

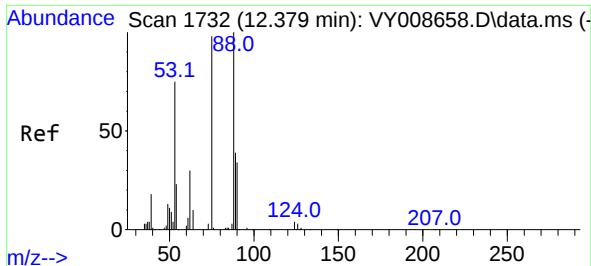
Tgt Ion:152 Resp: 4039
 Ion Ratio Lower Upper
 152 100
 115 54.8 28.2 84.7
 150 145.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 37.865 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008701.D
 Acq: 11 May 2022 12:56

Tgt Ion: 75 Resp: 1724
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

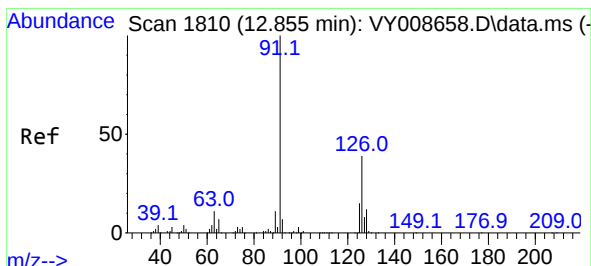
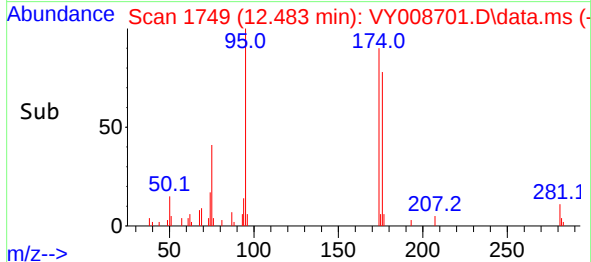
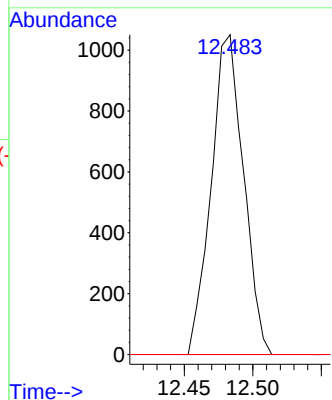
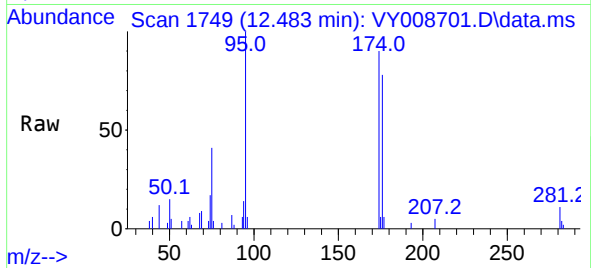




#81
trans-1,4-Dichloro-2-butene
Concen: 75.334 ug/l
RT: 12.483 min Scan# 1724
Delta R.T. 0.104 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

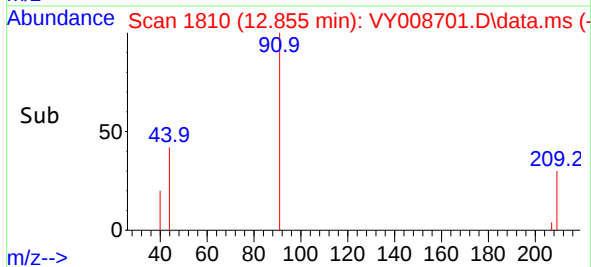
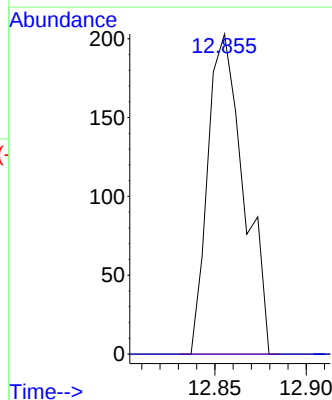
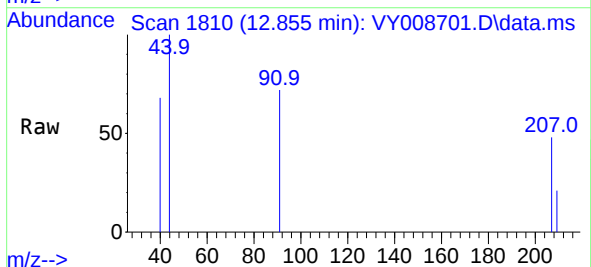
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

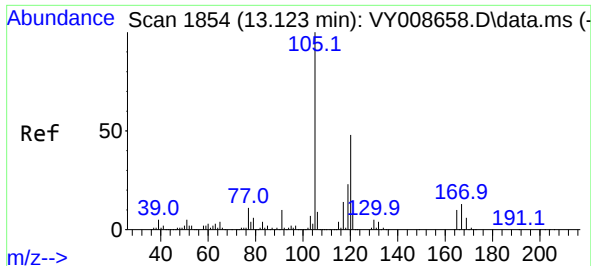
Tgt Ion: 75 Resp: 1724
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 1.321 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Tgt Ion: 91 Resp: 278
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#

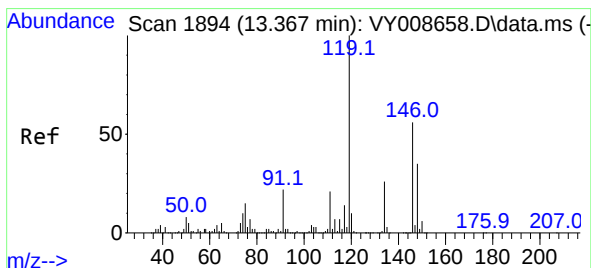
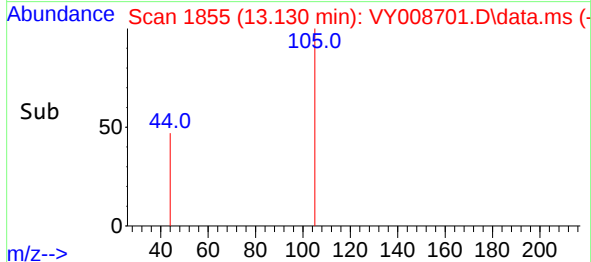
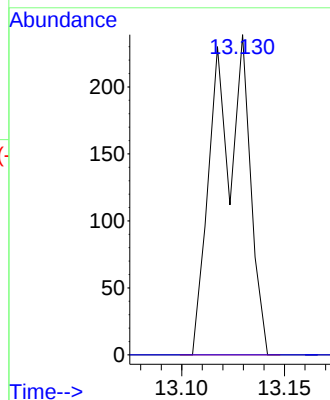
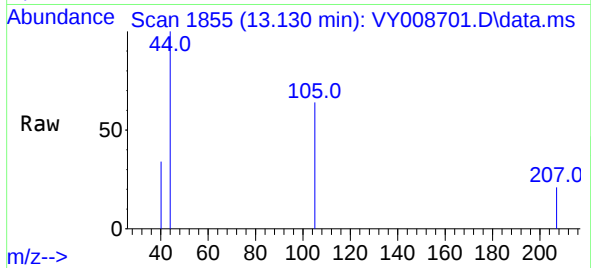




#84
1,2,4-Trimethylbenzene
Concen: 1.110 ug/l
RT: 13.130 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

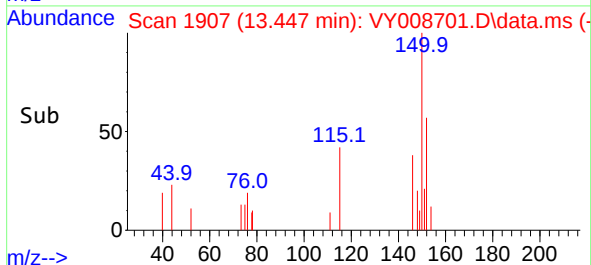
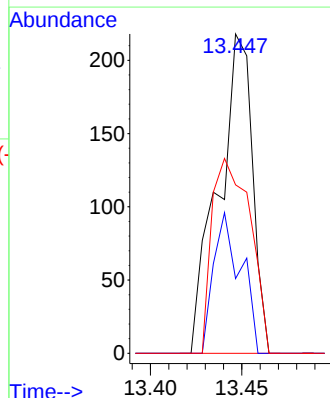
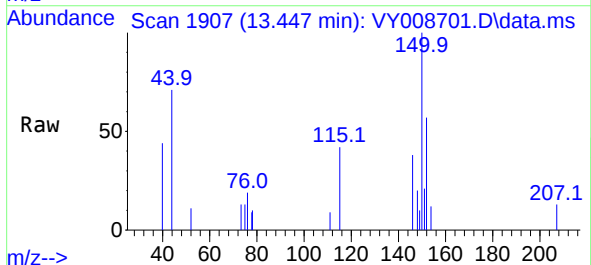
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

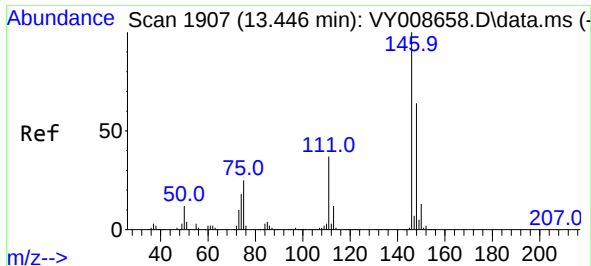
Tgt Ion:105 Resp: 274
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.9#



#87
1,3-Dichlorobenzene
Concen: 1.895 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.080 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Tgt Ion:146 Resp: 283
Ion Ratio Lower Upper
146 100
111 35.3 19.5 58.5
148 68.2 31.6 95.0

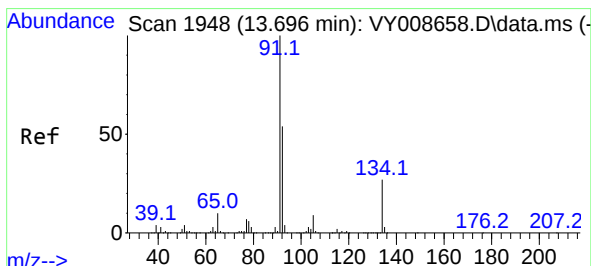
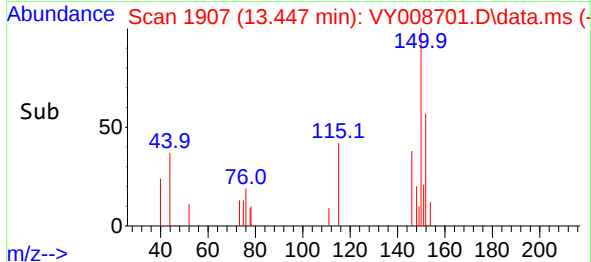
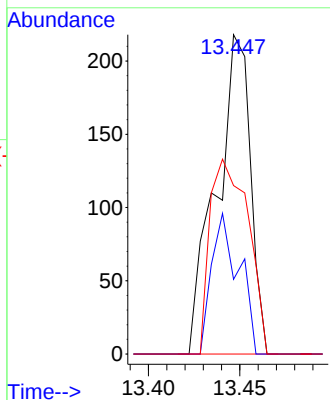
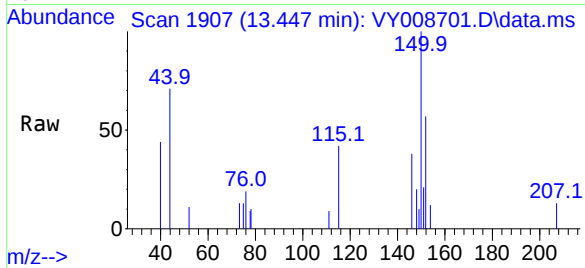




#88
1,4-Dichlorobenzene
Concen: 1.911 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.001 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

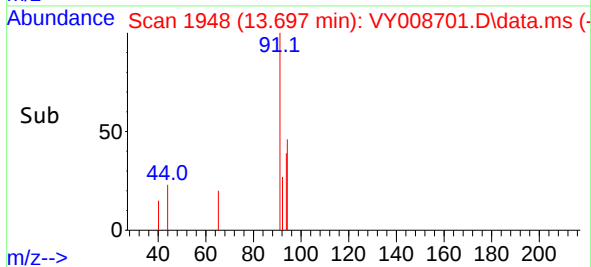
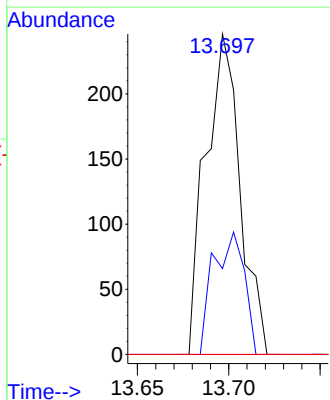
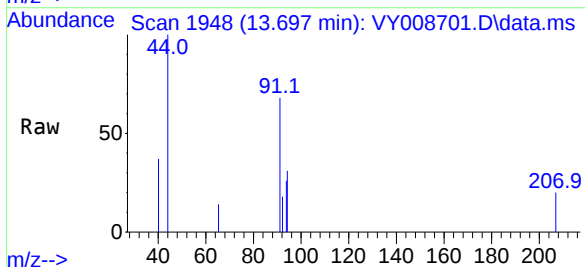
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

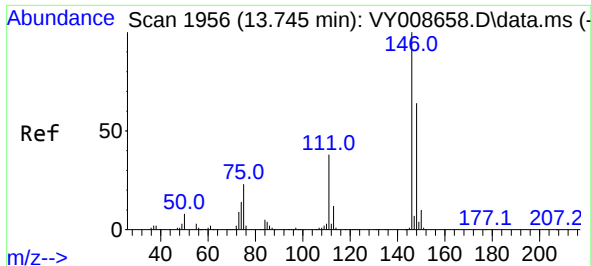
Tgt Ion:	146	Resp:	283
Ion	Ratio	Lower	Upper
146	100		
111	35.3	19.3	57.8
148	68.2	32.6	97.8



#89
n-Butylbenzene
Concen: 1.286 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.001 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Tgt Ion:	91	Resp:	324
Ion	Ratio	Lower	Upper
91	100		
92	34.0	26.3	78.9
134	0.0	13.0	38.9#

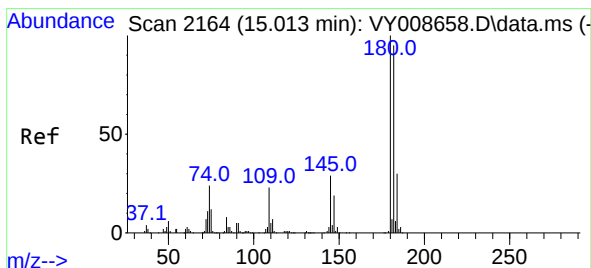
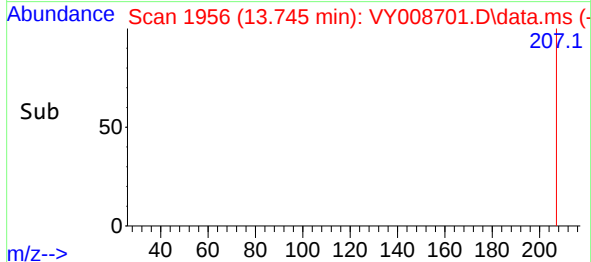
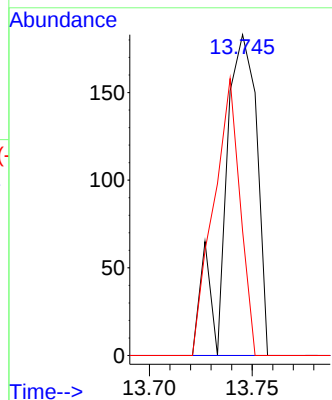
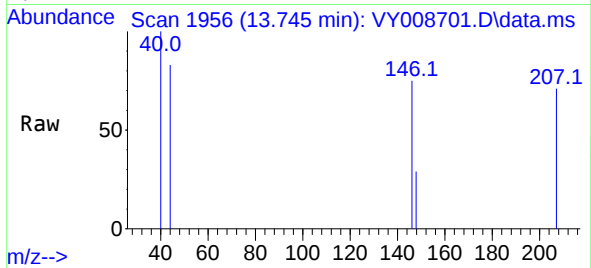




#91
1,2-Dichlorobenzene
Concen: 1.517 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

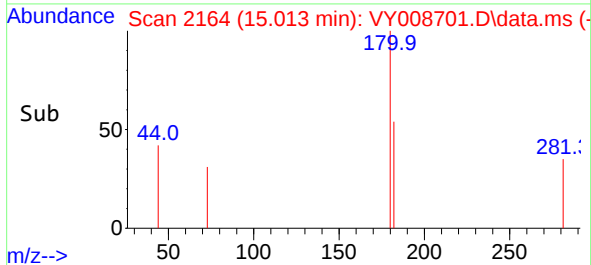
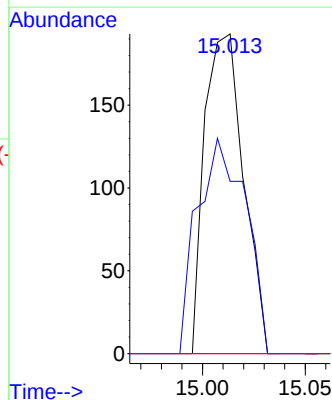
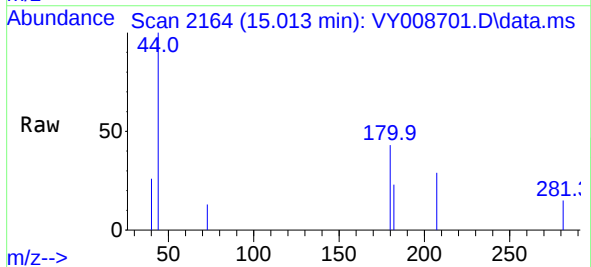
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

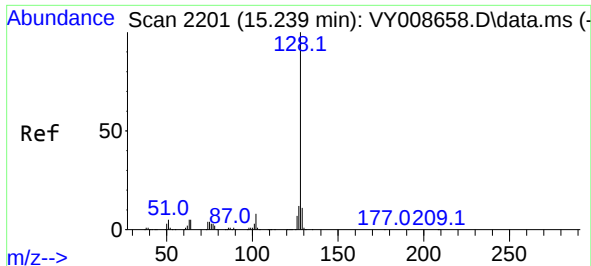
Tgt Ion:146 Resp: 201
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.9#
148 70.6 32.3 96.9



#93
1,2,4-Trichlorobenzene
Concen: 3.013 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Tgt Ion:180 Resp: 255
Ion Ratio Lower Upper
180 100
182 83.5 47.3 141.9
145 0.0 14.6 43.8#

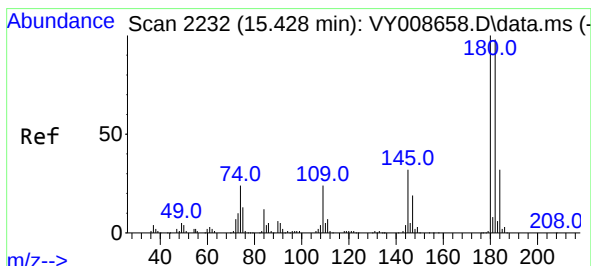
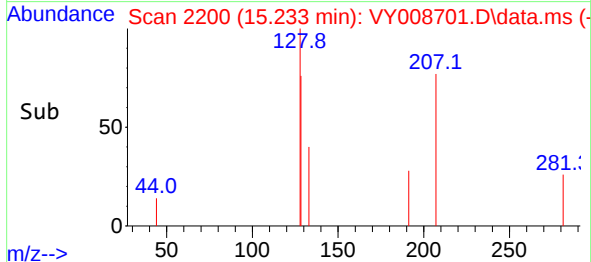
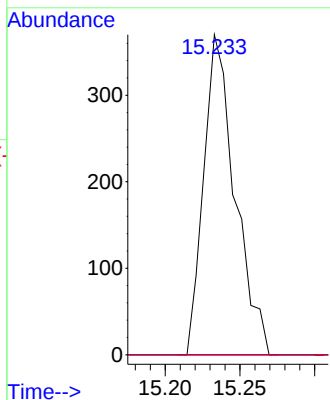
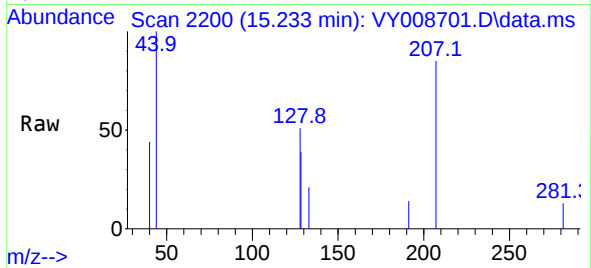




#95
Naphthalene
Concen: 3.108 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

Tgt Ion:128 Resp: 538
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 3.835 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY008701.D
Acq: 11 May 2022 12:56

Tgt Ion:180 Resp: 286
Ion Ratio Lower Upper
180 100
182 35.3 47.3 141.9#
145 0.0 15.3 45.9#

