

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010622\
 Data File : VY007034.D
 Acq On : 06 Jan 2022 15:54
 Operator : SY/MD
 Sample : N1016-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 07 11:48:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:51:57 2022
 Response via : Initial Calibration

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

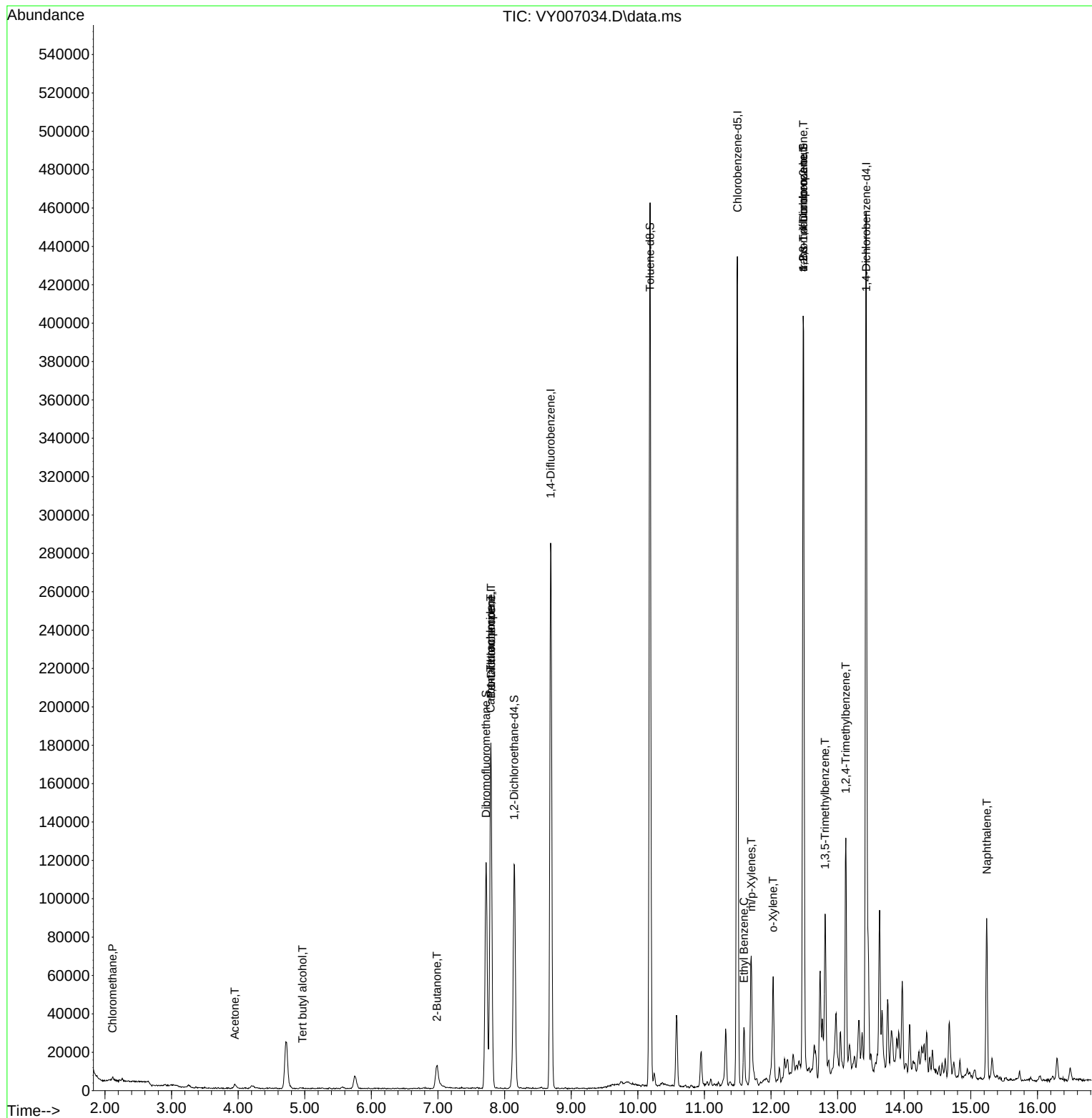
Internal Standards						
1) Pentafluorobenzene	7.795	168	134215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	252155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	239540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	91038	57.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.920%	
35) Dibromofluoromethane	7.722	113	86282	52.055	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.100%	
50) Toluene-d8	10.185	98	307075	49.862	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.720%	
62) 4-Bromofluorobenzene	12.483	95	118209	50.967	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	1498	1.627	ug/l	93
11) Tert butyl alcohol	4.966	59	615	4.305	ug/l #	71
16) Acetone	3.948	43	3666	10.503	ug/l #	80
20) Methylene Chloride	4.716	84	19951	Below Cal		98
25) 2-Butanone	6.984	43	1119	2.227	ug/l #	81
36) 1,1-Dichloropropene	7.795	75	10666	3.861	ug/l #	49
38) Carbon Tetrachloride	7.789	117	14504	5.020	ug/l #	15
67) Ethyl Benzene	11.593	91	22079	2.200	ug/l	99
68) m/p-Xylenes	11.703	106	19259	5.040	ug/l	98
69) o-Xylene	12.032	106	13435	3.749	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	60545	43.034	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	29183	3.558	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	60545	78.599	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.123	105	65962	8.174	ug/l	98
95) Naphthalene	15.239	128	69334	13.787	ug/l	100

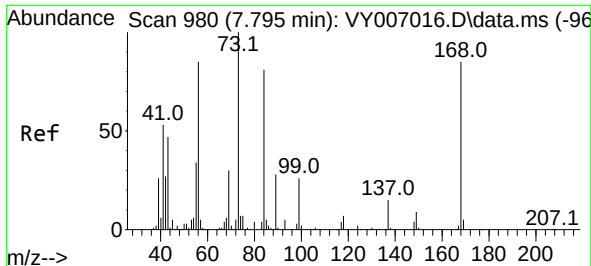
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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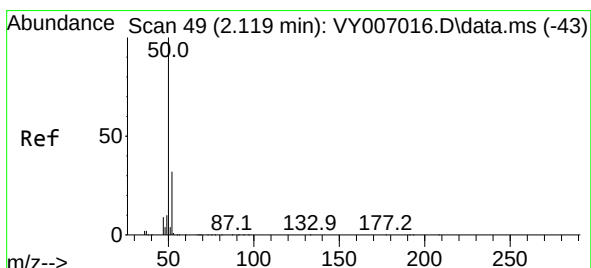
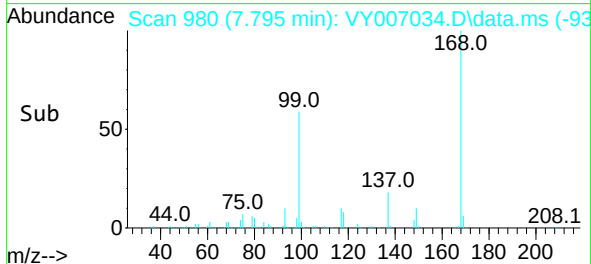
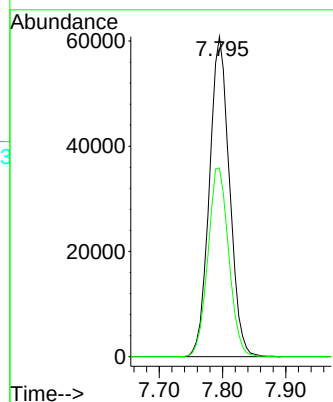
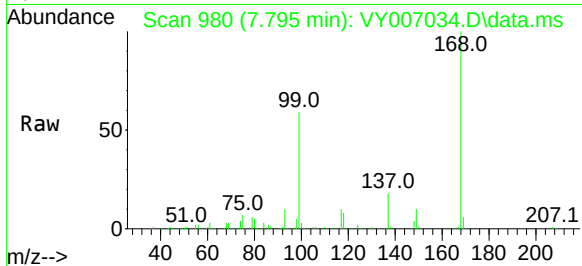




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

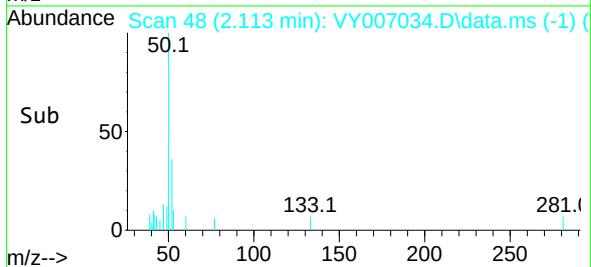
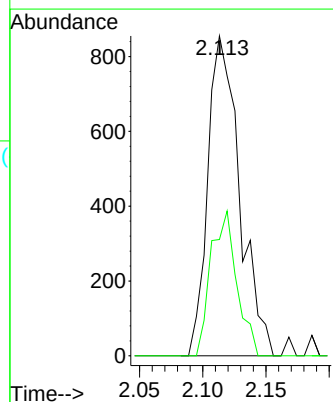
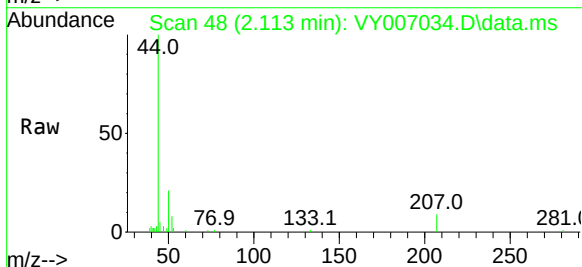
Instrument :
MSVOA_Y
ClientSampleId :

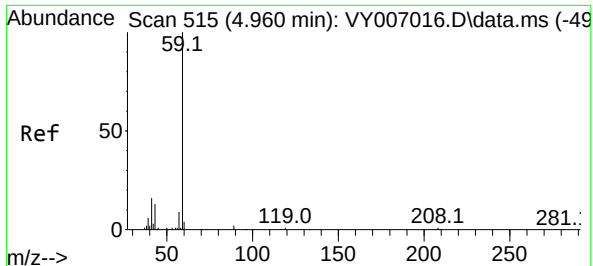
Tgt Ion:168 Resp: 134215
Ion Ratio Lower Upper
168 100
99 59.0 48.9 73.3



#3
Chloromethane
Concen: 1.627 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

Tgt Ion: 50 Resp: 1498
Ion Ratio Lower Upper
50 100
52 36.4 25.8 38.8

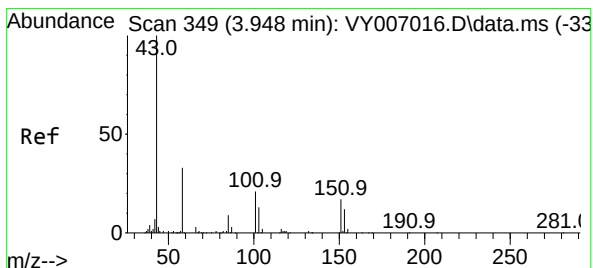
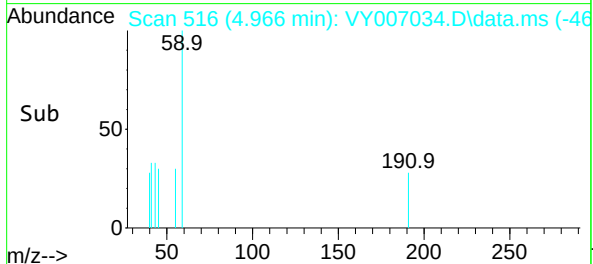
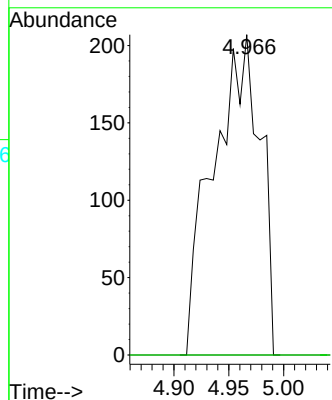
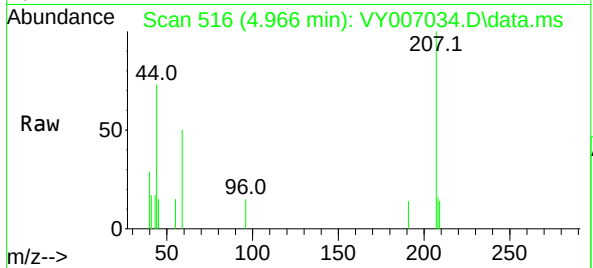




#11
Tert butyl alcohol
Concen: 4.305 ug/l
RT: 4.966 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

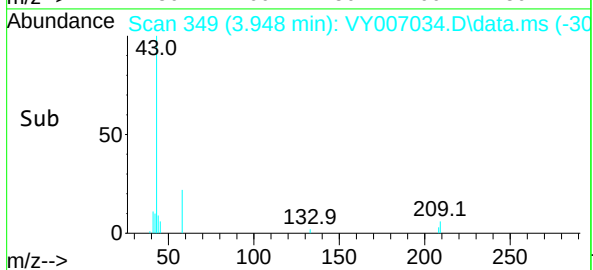
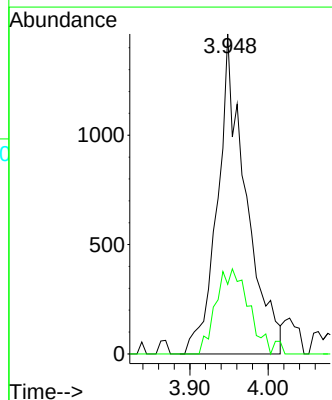
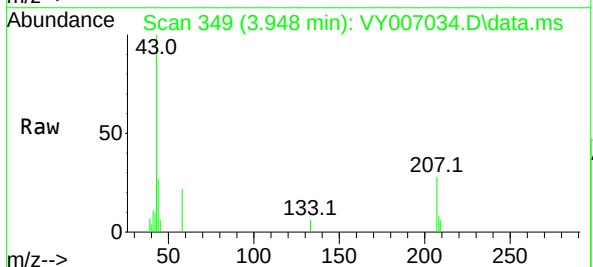
Instrument :
MSVOA_Y
ClientSampleId :

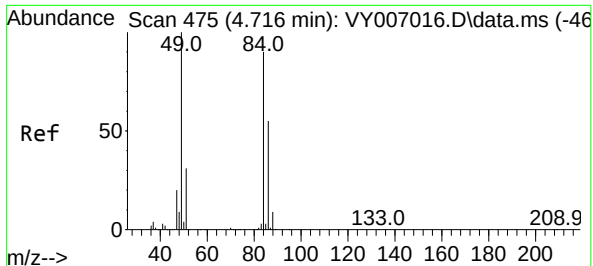
Tgt Ion: 59 Resp: 615
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 10.503 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

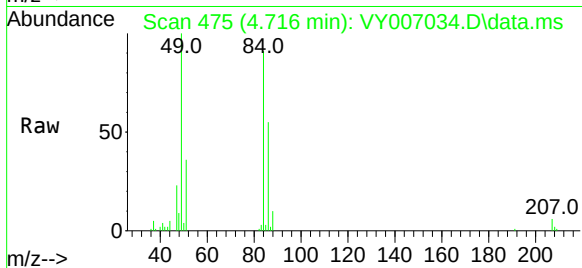
Tgt Ion: 43 Resp: 3666
Ion Ratio Lower Upper
43 100
58 21.7 26.3 39.5#



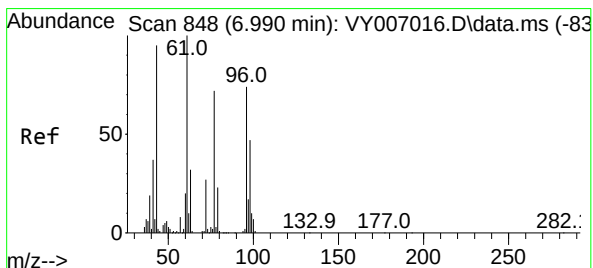
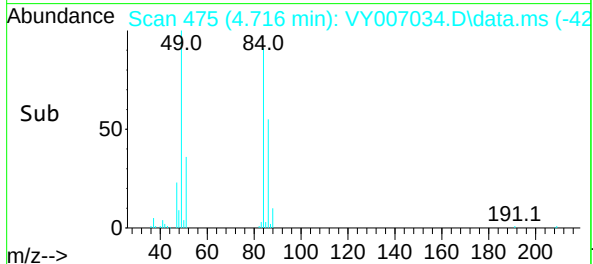
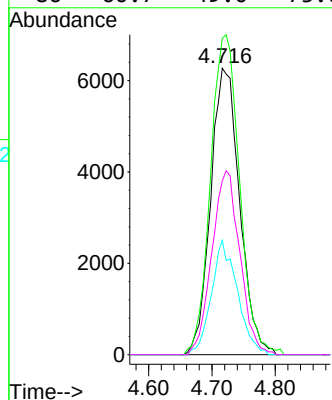


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

Instrument :
MSVOA_Y
ClientSampleId :

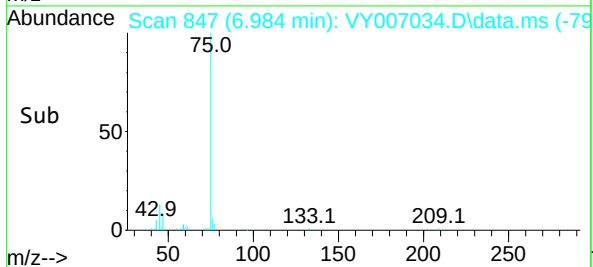
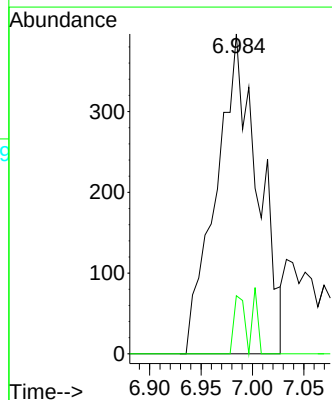
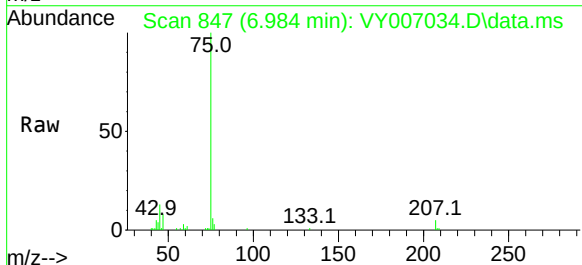


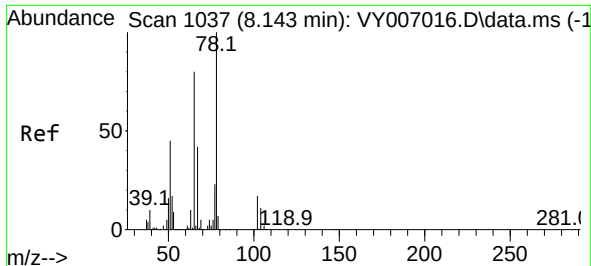
Tgt Ion: 84 Resp: 19951
Ion Ratio Lower Upper
84 100
49 110.4 89.4 134.0
51 39.9 27.7 41.5
86 60.7 49.0 73.6



#25
2-Butanone
Concen: 2.227 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

Tgt Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
72 18.2 22.6 34.0#





#33

1,2-Dichloroethane-d4

Concen: 57.463 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY007034.D

Acq: 06 Jan 2022 15:54

Instrument :

MSVOA_Y

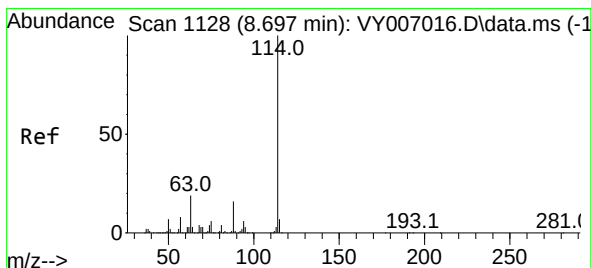
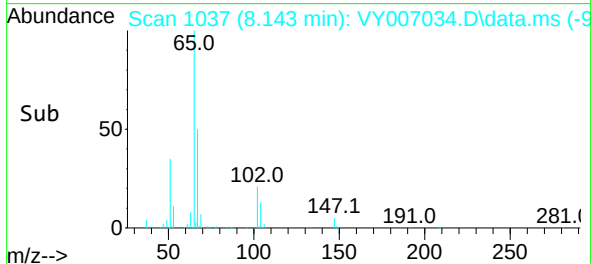
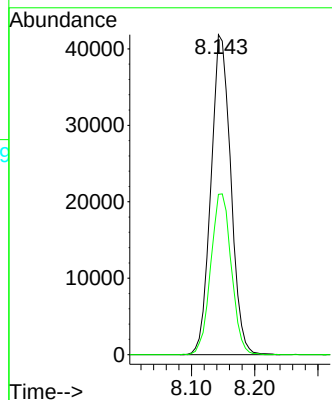
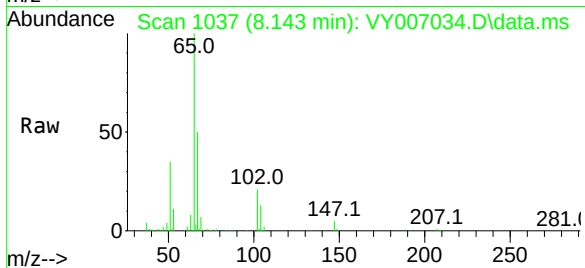
ClientSampleId :

Tgt Ion: 65 Resp: 91038

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY007034.D

Acq: 06 Jan 2022 15:54

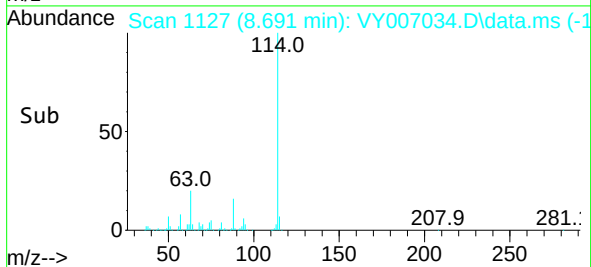
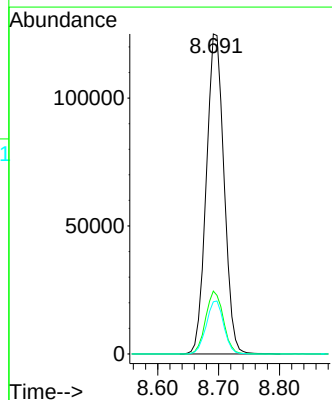
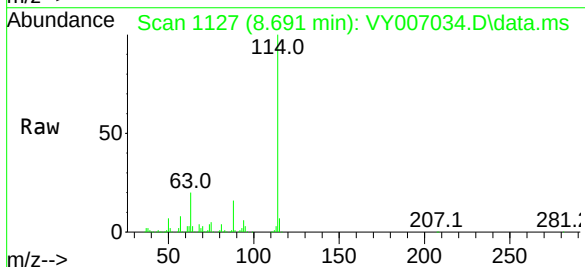
Tgt Ion: 114 Resp: 252155

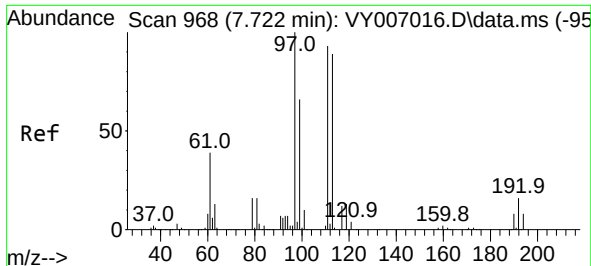
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.6

88 16.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.055 ug/l

RT: 7.722 min Scan# 90

Delta R.T. 0.000 min

Lab File: VY007034.D

Acq: 06 Jan 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

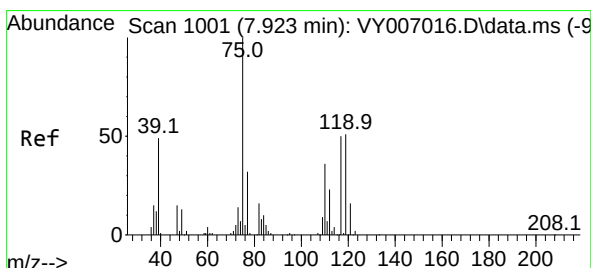
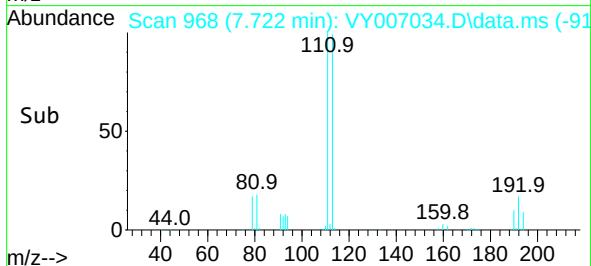
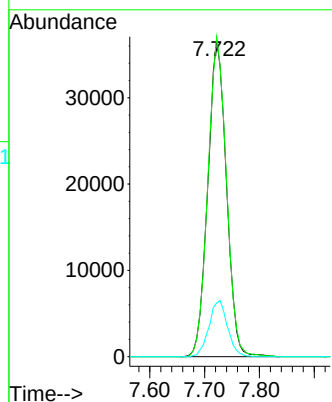
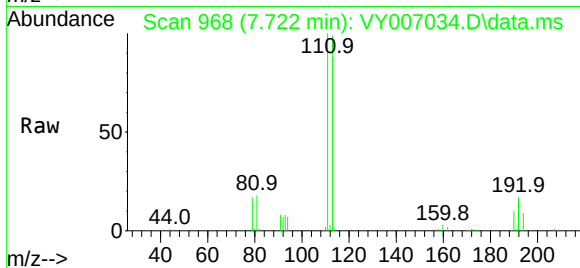
Tgt Ion:113 Resp: 86282

Ion Ratio Lower Upper

113 100

111 100.6 81.9 122.9

192 17.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.861 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY007034.D

Acq: 06 Jan 2022 15:54

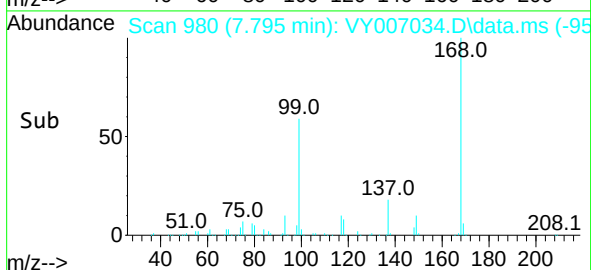
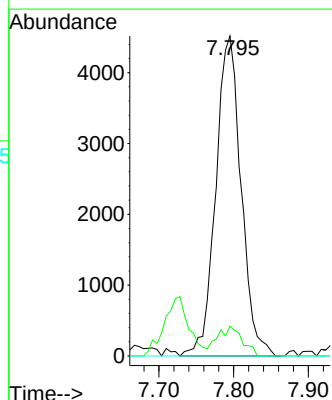
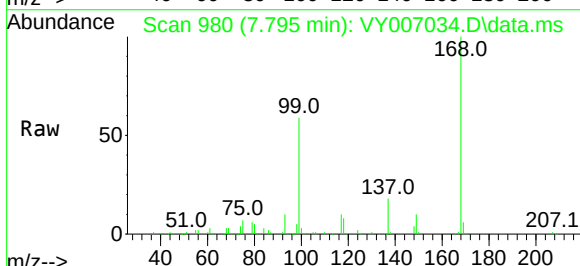
Tgt Ion: 75 Resp: 10666

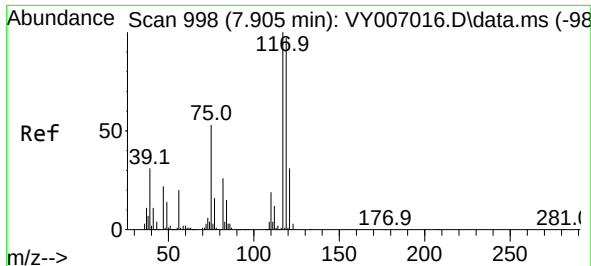
Ion Ratio Lower Upper

75 100

110 9.0 18.0 54.0#

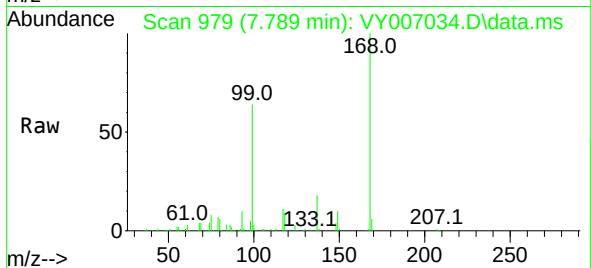
77 0.0 25.4 38.2#



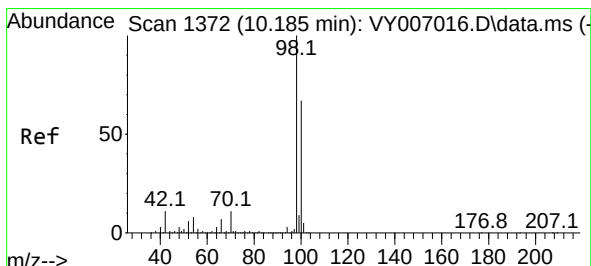
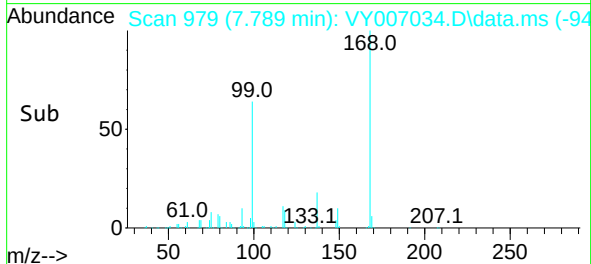
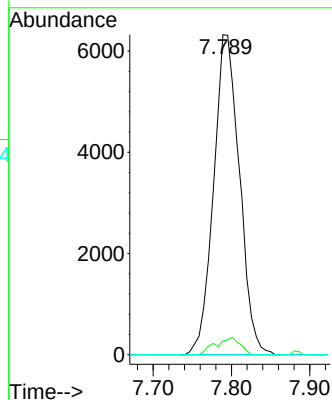


#38
Carbon Tetrachloride
Concen: 5.020 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

Instrument :
MSVOA_Y
ClientSampleId :

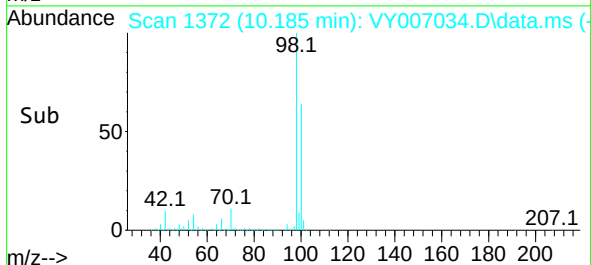
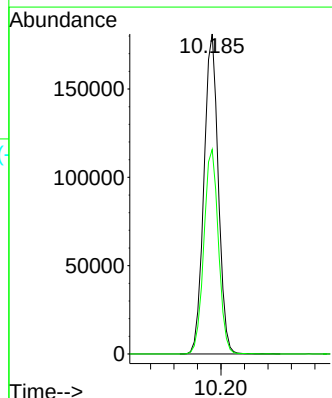
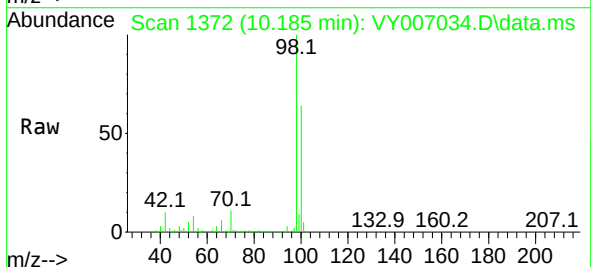


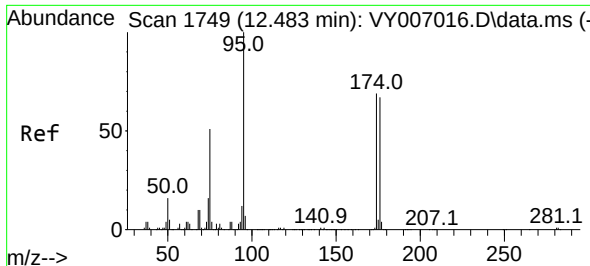
Tgt Ion:117 Resp: 14504
Ion Ratio Lower Upper
117 100
119 4.3 77.7 116.5#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.862 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

Tgt Ion: 98 Resp: 307075
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2

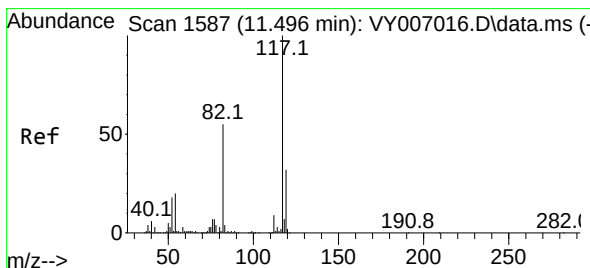
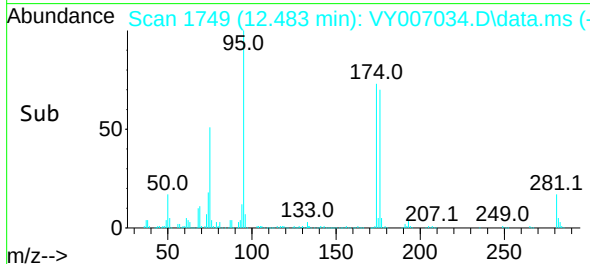
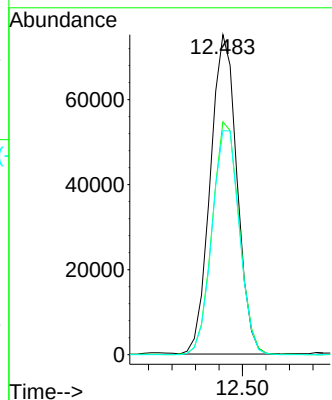
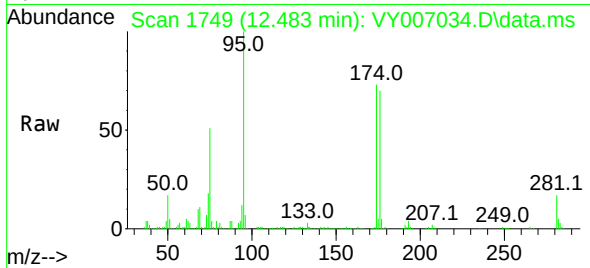




#62
4-Bromofluorobenzene
Concen: 50.967 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

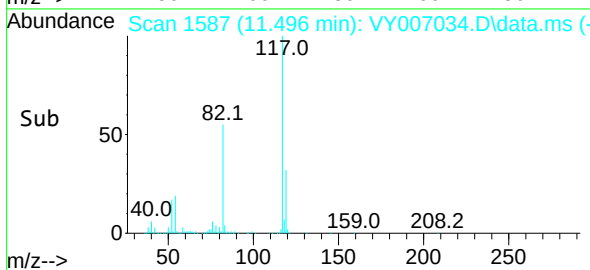
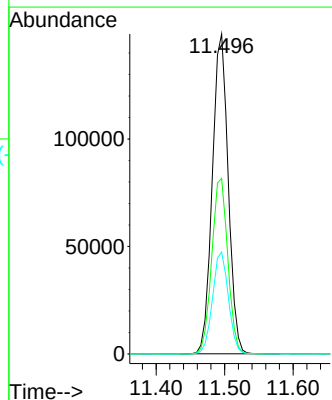
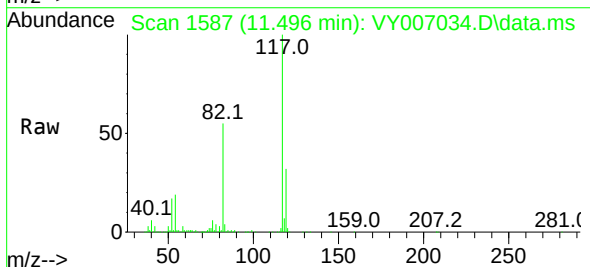
Instrument :
MSVOA_Y
ClientSampleId :

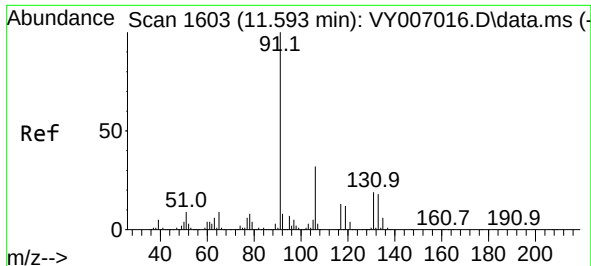
Tgt Ion: 95 Resp: 118209
Ion Ratio Lower Upper
95 100
174 74.1 0.0 144.6
176 72.2 0.0 141.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

Tgt Ion: 117 Resp: 239540
Ion Ratio Lower Upper
117 100
82 54.9 44.1 66.1
119 31.8 25.3 37.9





#67

Ethyl Benzene

Concen: 2.200 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY007034.D

Acq: 06 Jan 2022 15:54

Instrument :

MSVOA_Y

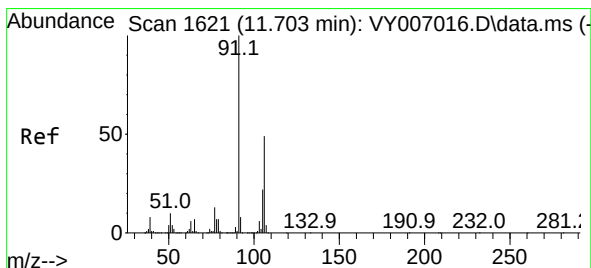
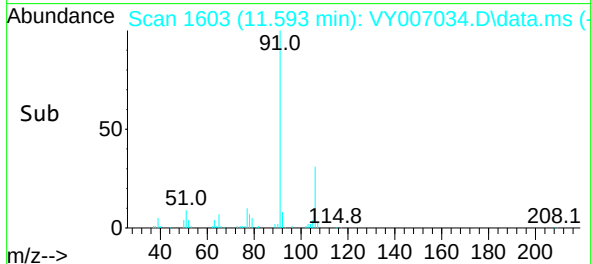
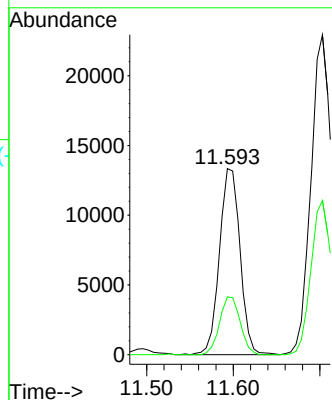
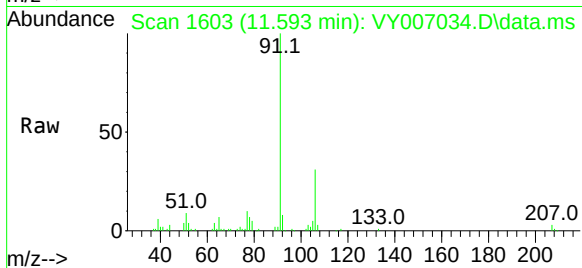
ClientSampleId :

Tgt Ion: 91 Resp: 22079

Ion Ratio Lower Upper

91 100

106 31.1 25.2 37.8



#68

m/p-Xylenes

Concen: 5.040 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY007034.D

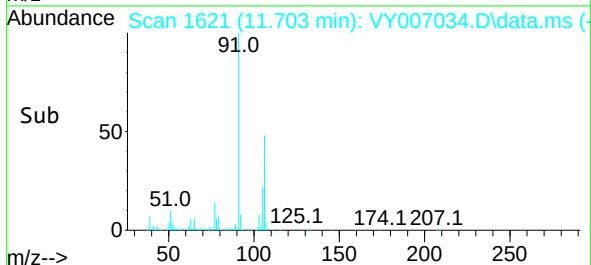
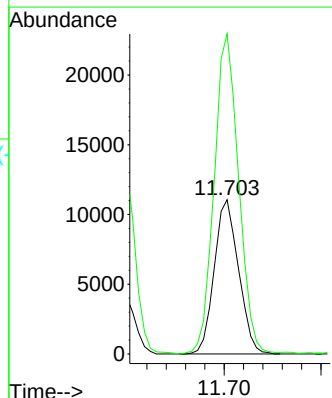
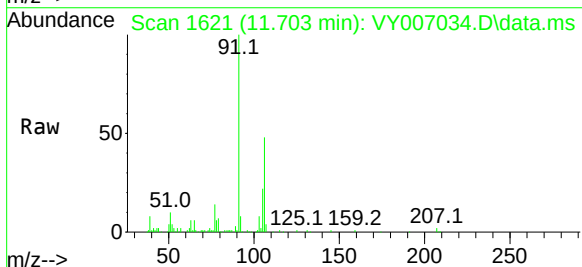
Acq: 06 Jan 2022 15:54

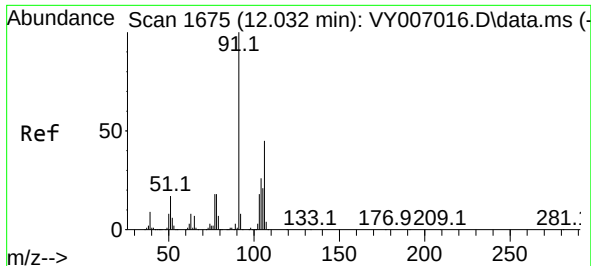
Tgt Ion: 106 Resp: 19259

Ion Ratio Lower Upper

106 100

91 209.9 165.3 247.9

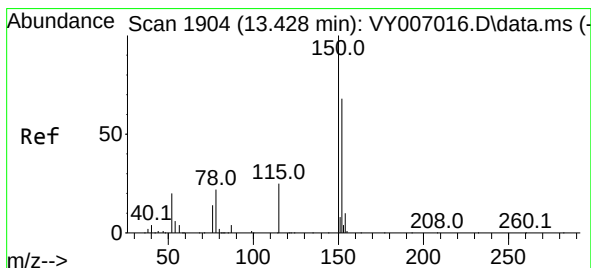
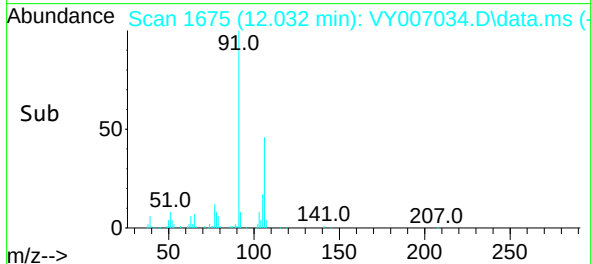
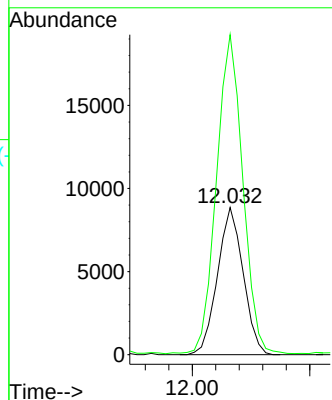
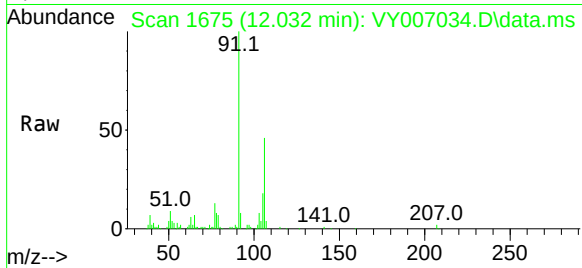




#69
o-Xylene
Concen: 3.749 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

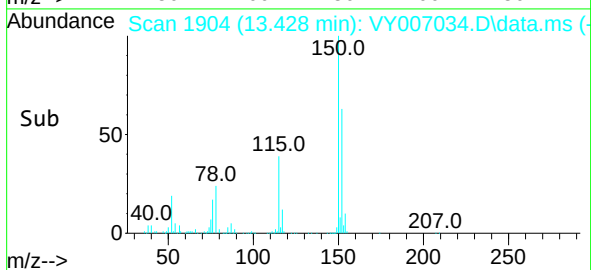
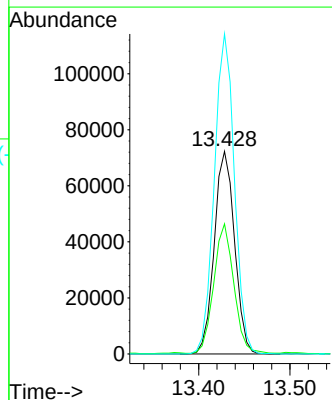
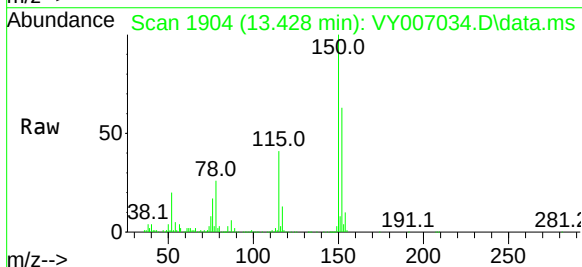
Instrument :
MSVOA_Y
ClientSampleId :

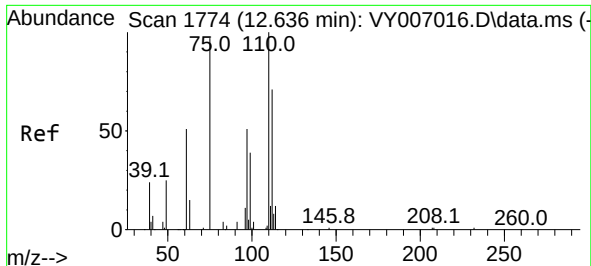
Tgt Ion:106 Resp: 13435
Ion Ratio Lower Upper
106 100
91 221.5 108.3 324.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

Tgt Ion:152 Resp: 111695
Ion Ratio Lower Upper
152 100
115 63.0 31.9 95.5
150 156.2 0.0 358.0

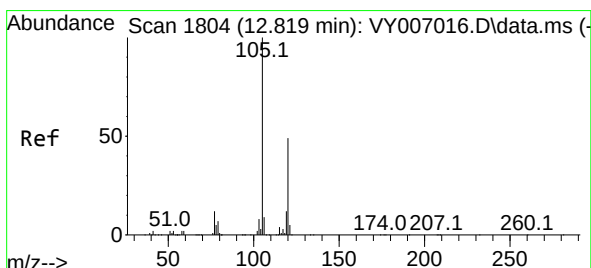
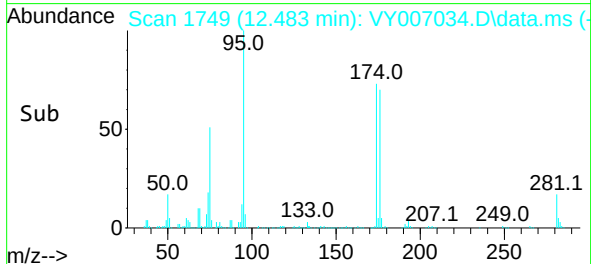
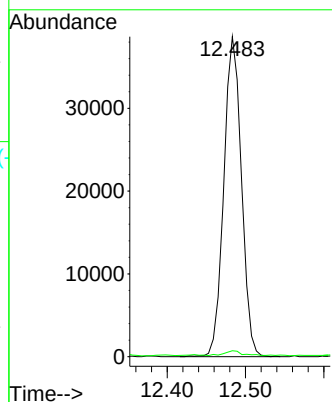
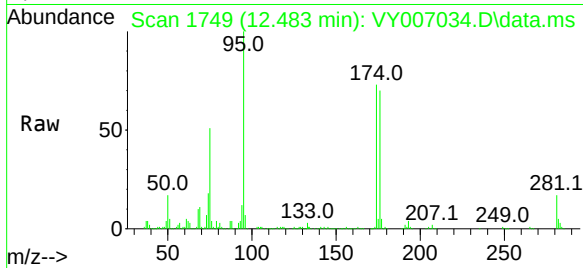




#76
1,2,3-Trichloropropane
Concen: 43.034 ug/l
RT: 12.483 min Scan# 1774
Delta R.T. -0.152 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

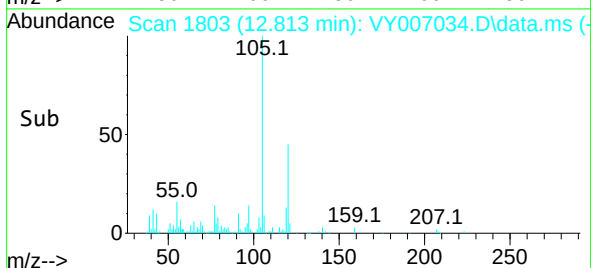
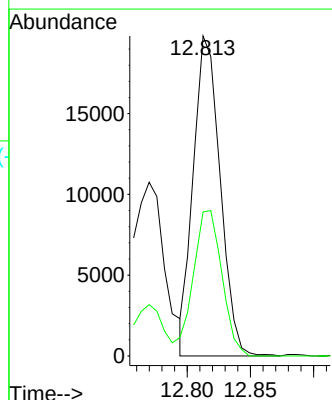
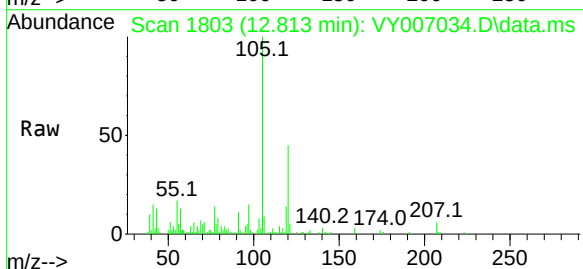
Instrument :
MSVOA_Y
ClientSampleId :

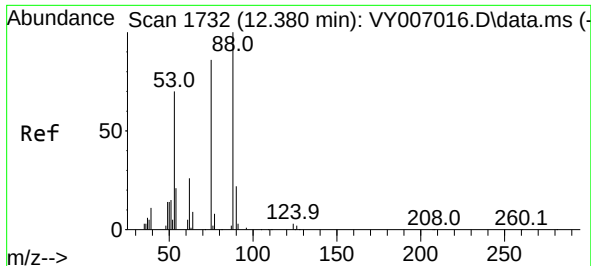
Tgt Ion: 75 Resp: 60545
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 3.558 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY007034.D
Acq: 06 Jan 2022 15:54

Tgt Ion: 105 Resp: 29183
Ion Ratio Lower Upper
105 100
120 48.9 24.1 72.2

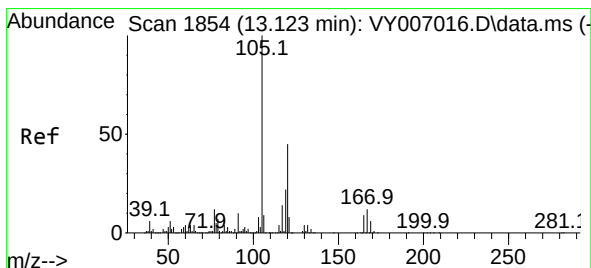
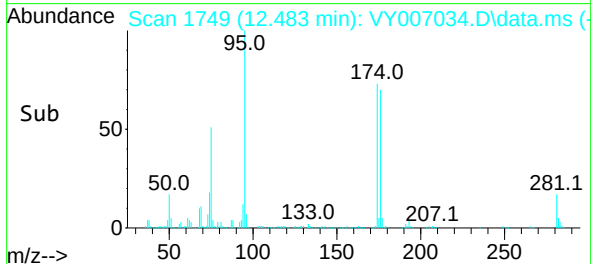
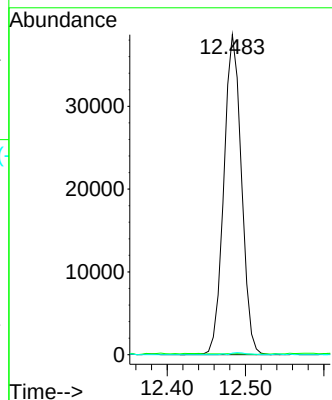
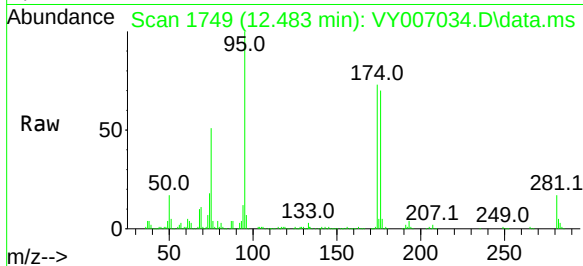




#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.599 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY007034.D
 Acq: 06 Jan 2022 15:54

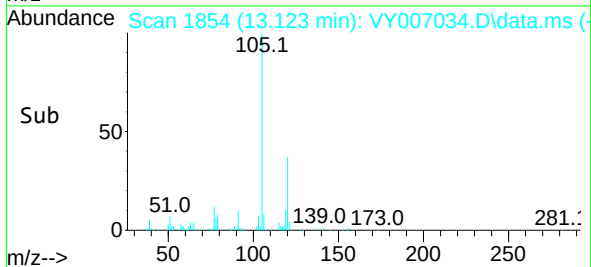
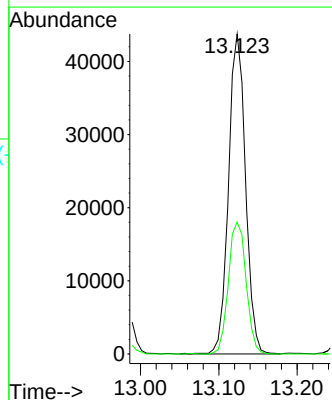
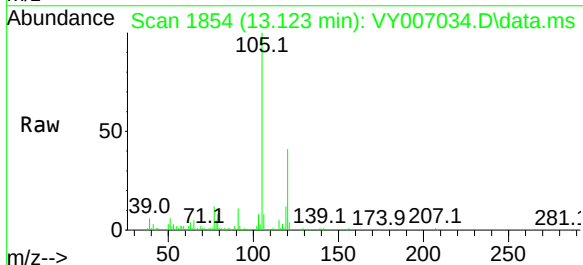
Instrument :
 MSVOA_Y
 ClientSampleId :

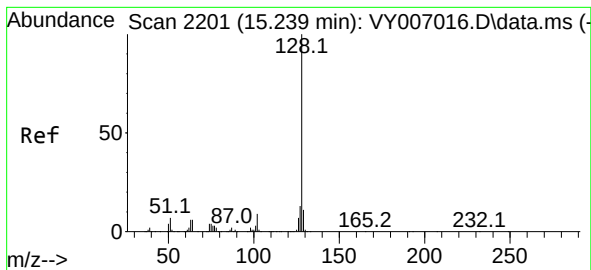
Tgt Ion: 75 Resp: 60545
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.2 108.4#
 89 0.6 0.0 0.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 8.174 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY007034.D
 Acq: 06 Jan 2022 15:54

Tgt Ion: 105 Resp: 65962
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.1 66.5





#95

Naphthalene

Concen: 13.787 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

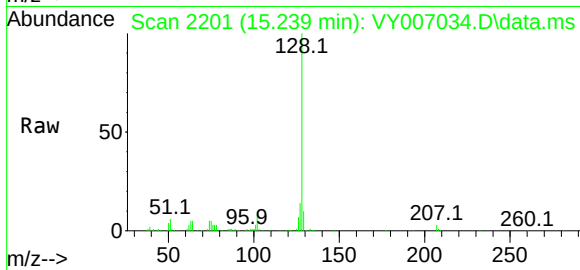
Lab File: VY007034.D

Acq: 06 Jan 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 69334

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.6 8.6 13.0

