

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032222\
 Data File : VY008007.D
 Acq On : 22 Mar 2022 17:52
 Operator : SY/MD
 Sample : N2061-02
 Misc : 5.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RW-1-20220321-19.0-20.0

Quant Time: Mar 23 05:09:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

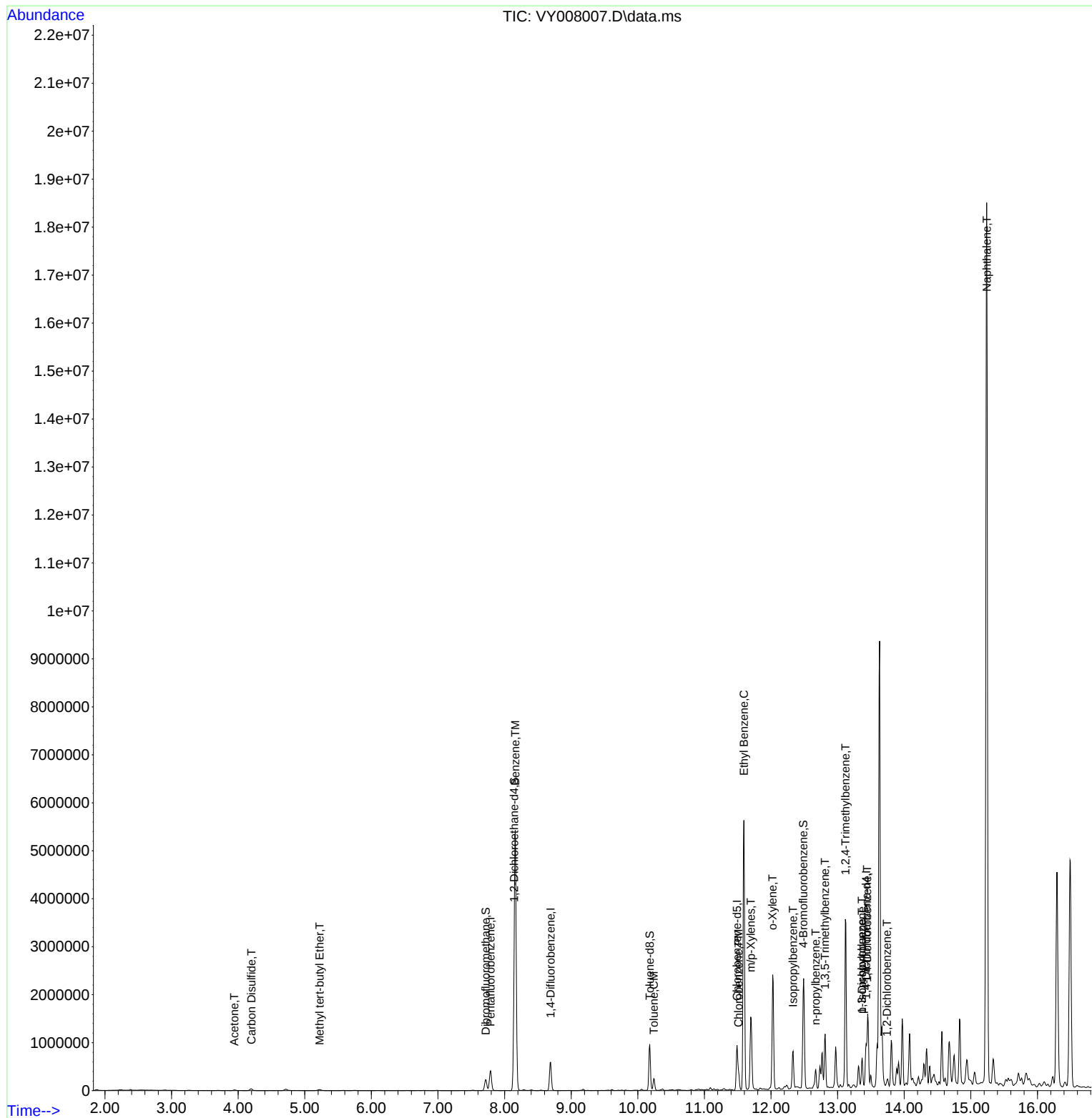
Internal Standards						
1) Pentafluorobenzene	7.789	168	330022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	535882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	498798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	219366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	175245	46.572	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.140%		
35) Dibromofluoromethane	7.716	113	161355	42.874	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.740%		
50) Toluene-d8	10.179	98	625527	55.727	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	111.460%		
62) 4-Bromofluorobenzene	12.483	95	218602	40.472	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.940%		
Target Compounds					Qvalue	
16) Acetone	3.942	43	25898	25.944	ug/l	95
17) Carbon Disulfide	4.198	76	79054	6.919	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	38499	3.425	ug/l	98
40) Benzene	8.161	78	5430372	332.914	ug/l	97
52) Toluene	10.240	92	102592	9.794	ug/l	95
65) Chlorobenzene	11.514	112	169959	14.224	ug/l	99
67) Ethyl Benzene	11.593	91	3851405	180.948	ug/l	96
68) m/p-Xylenes	11.697	106	489477	58.954	ug/l	93
69) o-Xylene	12.026	106	662219	82.457	ug/l	92
73) Isopropylbenzene	12.331	105	488056	25.276	ug/l	99
78) n-propylbenzene	12.672	91	314287	13.479	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	559362	35.226	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	1915678	123.069	ug/l	97
86) p-Isopropyltoluene	13.367	119	199412	11.535	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	82304	9.551	ug/l	90
88) 1,4-Dichlorobenzene	13.446	146	172545	19.977	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	10347	1.335	ug/l #	34
95) Naphthalene	15.239	128	14352461	1312.851	ug/l #	96

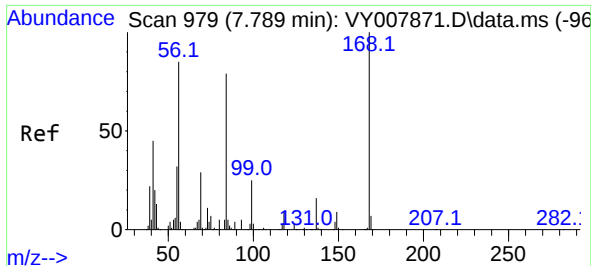
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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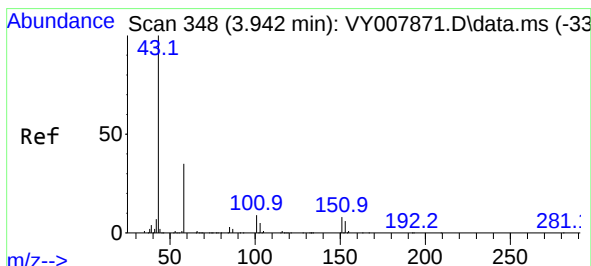
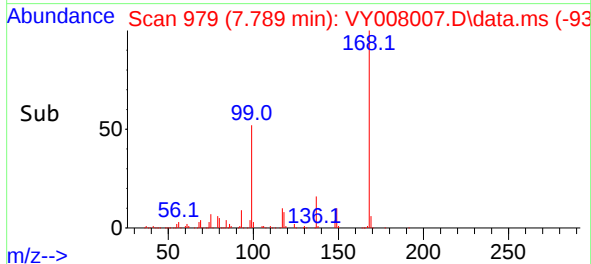
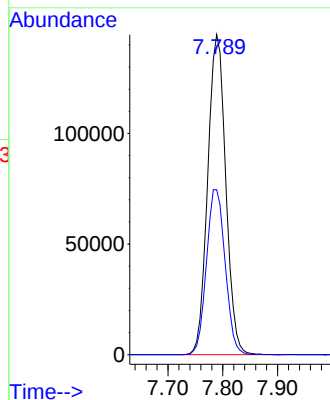
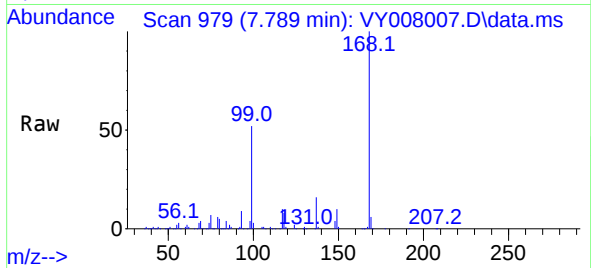




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

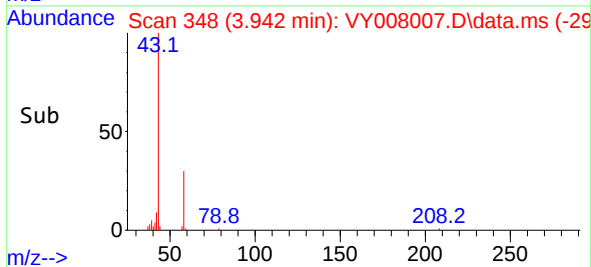
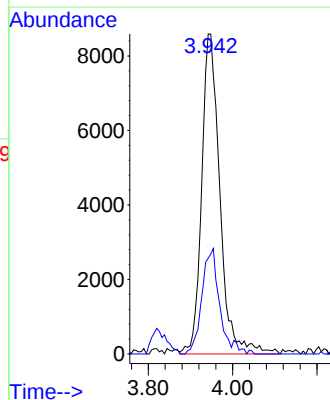
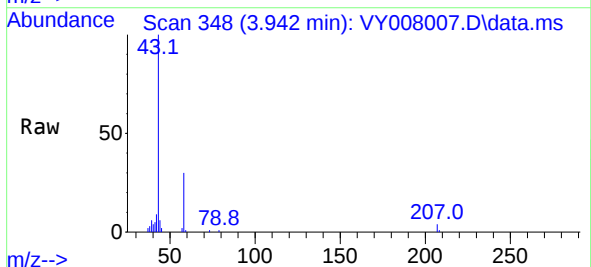
Instrument :
MSVOA_Y
ClientSampleId :
RW-1-20220321-19.0-20.0

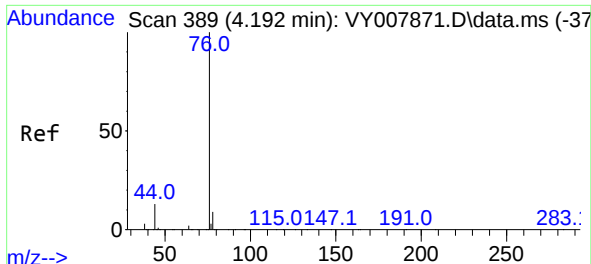
Tgt Ion:168 Resp: 330022
Ion Ratio Lower Upper
168 100
99 51.6 46.9 70.3



#16
Acetone
Concen: 25.944 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

Tgt Ion: 43 Resp: 25898
Ion Ratio Lower Upper
43 100
58 29.9 22.0 33.0

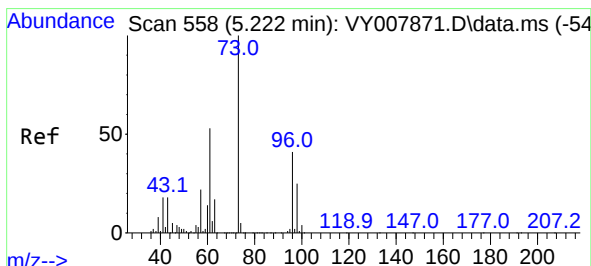
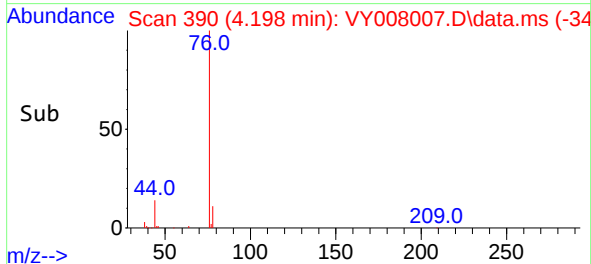
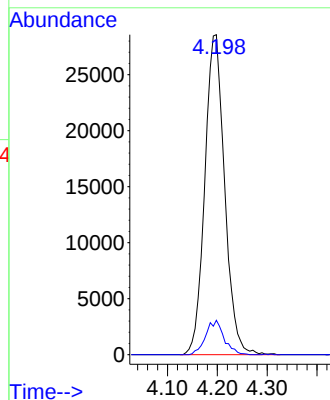
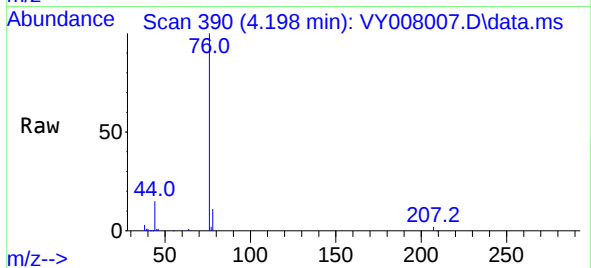




#17
Carbon Disulfide
Concen: 6.919 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

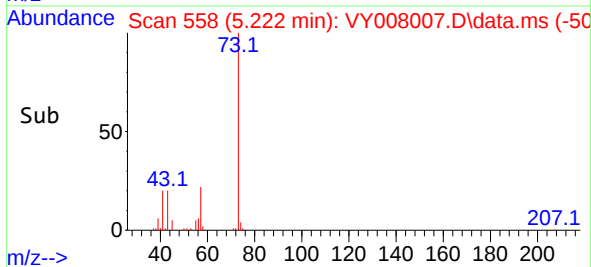
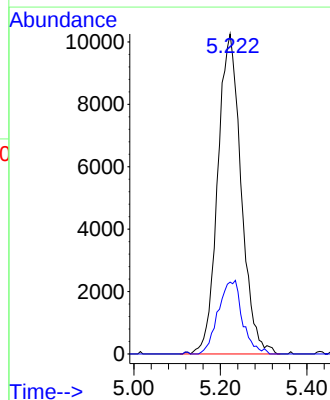
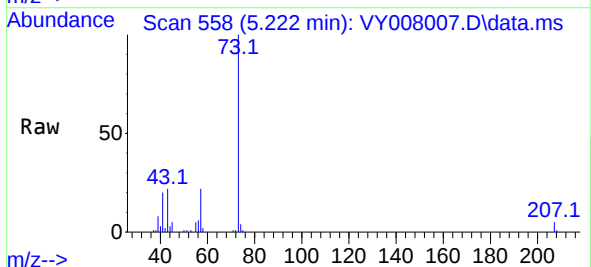
Instrument :
MSVOA_Y
ClientSampleId :
RW-1-20220321-19.0-20.0

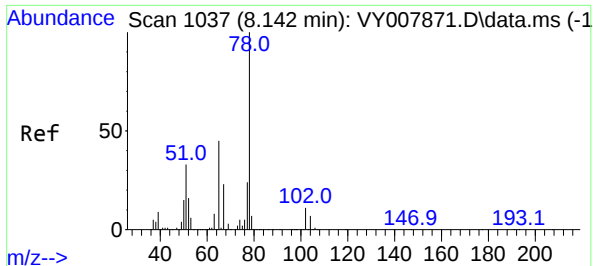
Tgt Ion: 76 Resp: 79054
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.0



#19
Methyl tert-butyl Ether
Concen: 3.425 ug/l
RT: 5.222 min Scan# 558
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

Tgt Ion: 73 Resp: 38499
Ion Ratio Lower Upper
73 100
57 22.5 18.6 27.8





#33

1,2-Dichloroethane-d4

Concen: 46.572 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY008007.D

Acq: 22 Mar 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

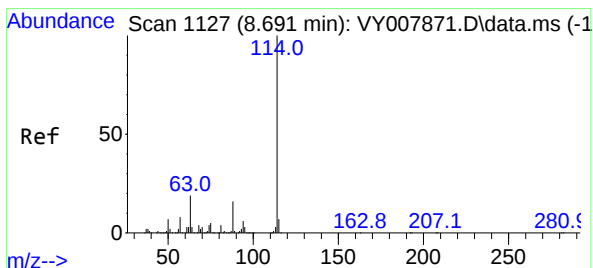
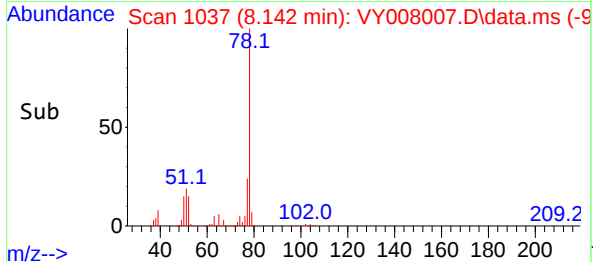
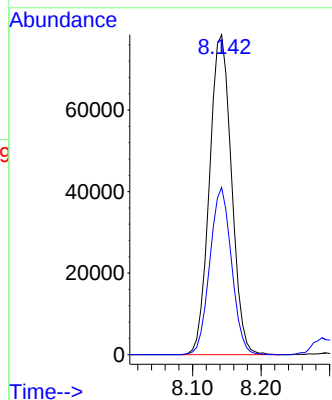
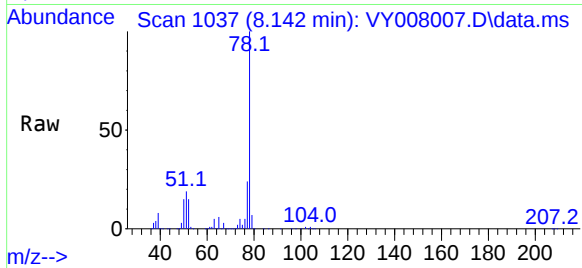
RW-1-20220321-19.0-20.0

Tgt Ion: 65 Resp: 175245

Ion Ratio Lower Upper

65 100

67 51.5 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: VY008007.D

Acq: 22 Mar 2022 17:52

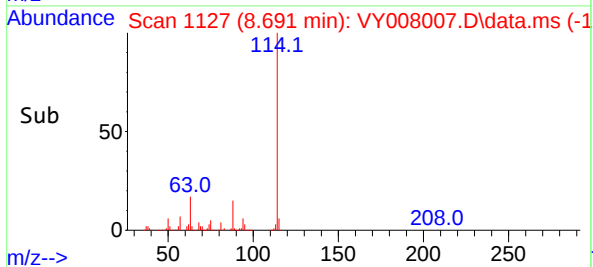
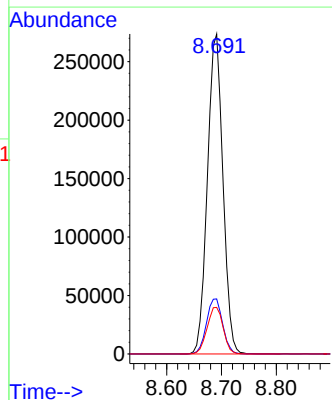
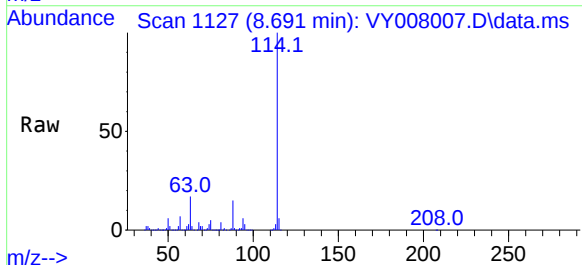
Tgt Ion: 114 Resp: 535882

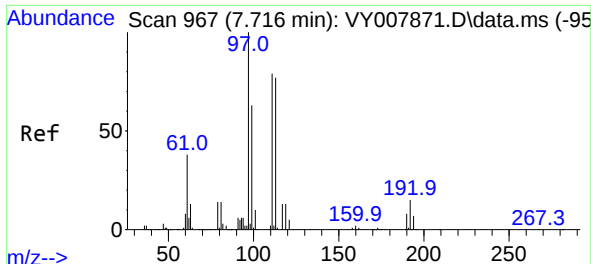
Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.5 0.0 31.8

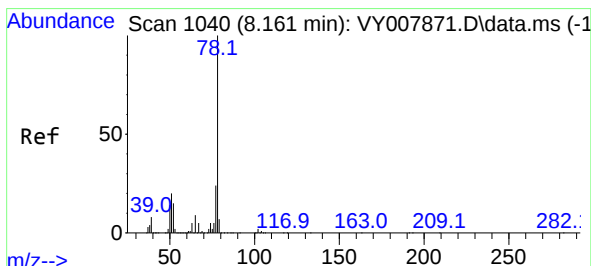
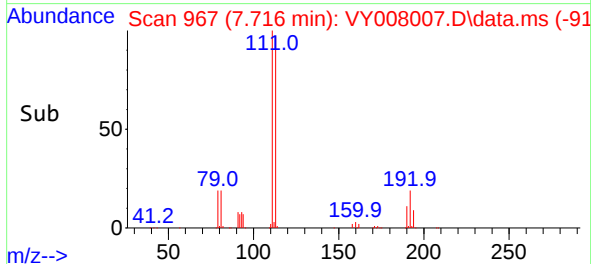
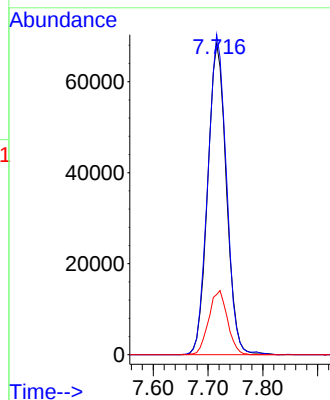
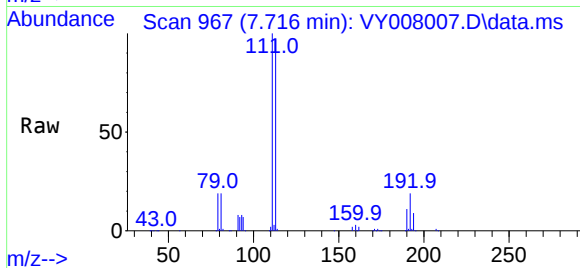




#35
Dibromofluoromethane
Concen: 42.874 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

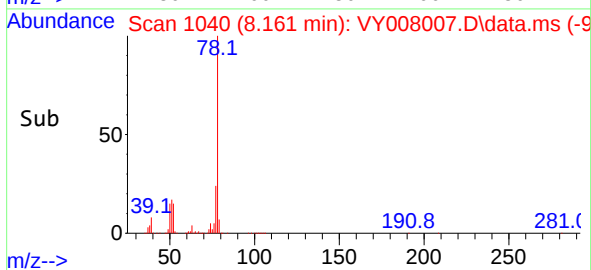
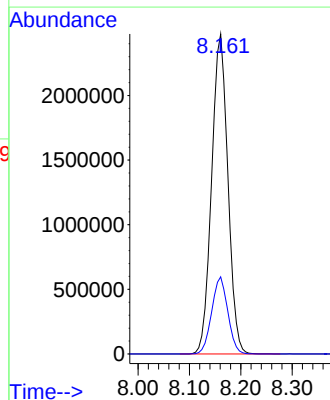
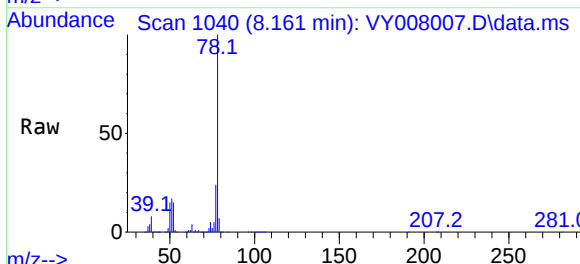
Instrument :
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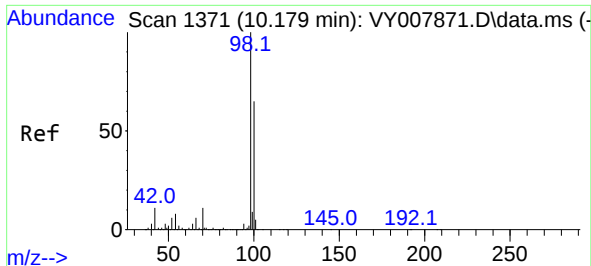
Tgt Ion:113 Resp: 161355
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 20.7 17.6 26.4



#40
Benzene
Concen: 332.914 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

Tgt Ion: 78 Resp: 5430372
Ion Ratio Lower Upper
78 100
77 24.1 20.4 30.6

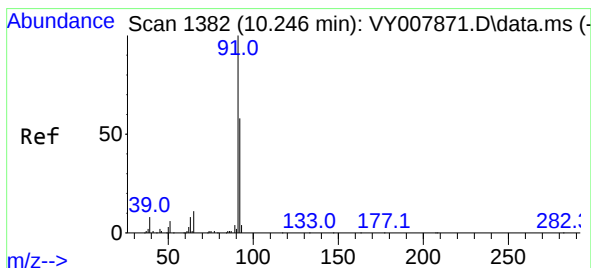
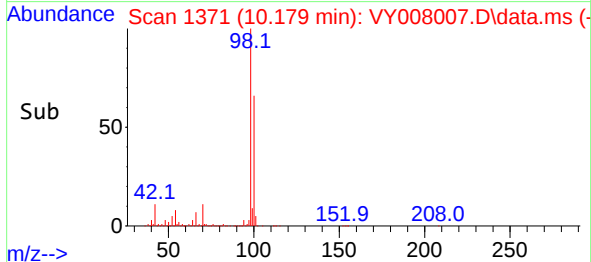
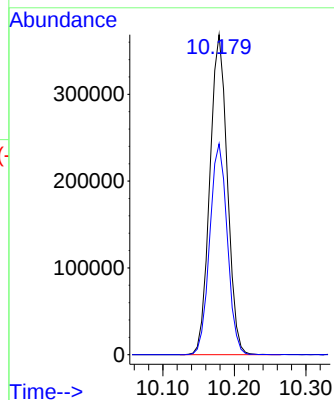
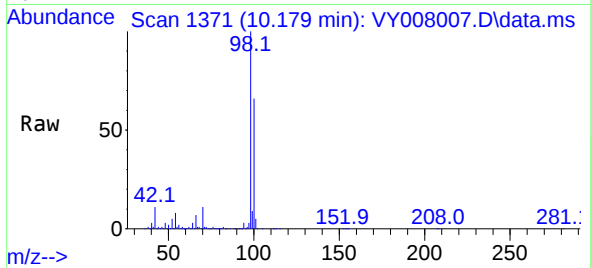




#50
Toluene-d8
Concen: 55.727 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

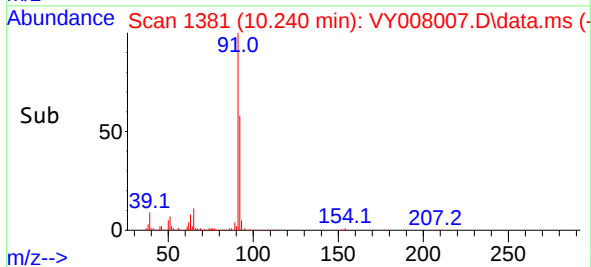
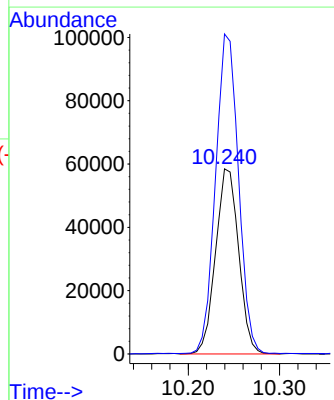
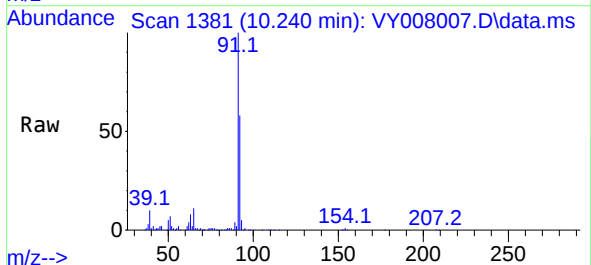
Instrument : MSVOA_Y
ClientSampleId : RW-1-20220321-19.0-20.0

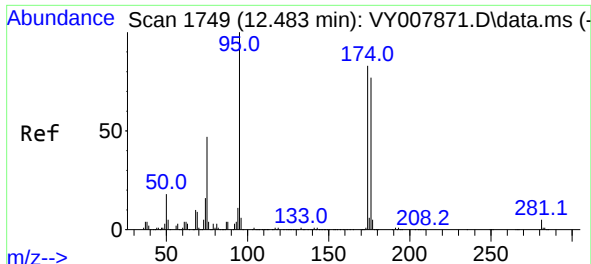
Tgt Ion: 98 Resp: 625527
Ion Ratio Lower Upper
98 100
100 66.1 50.2 75.2



#52
Toluene
Concen: 9.794 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

Tgt Ion: 92 Resp: 102592
Ion Ratio Lower Upper
92 100
91 171.5 142.6 213.8

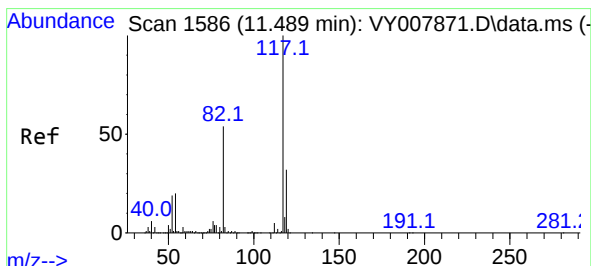
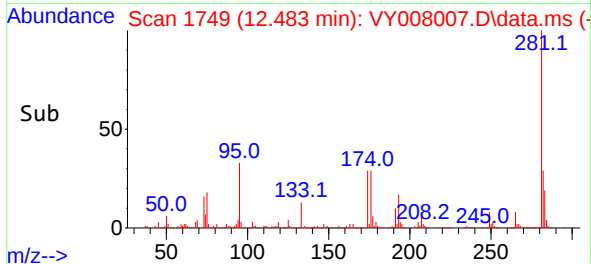
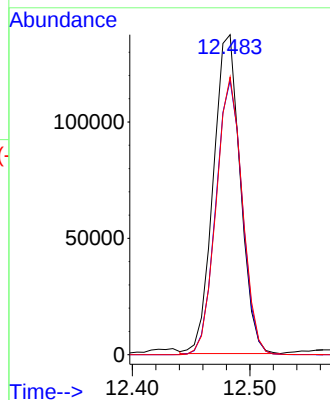
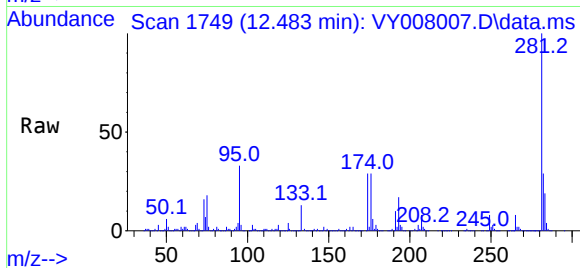




#62
4-Bromofluorobenzene
Concen: 40.472 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

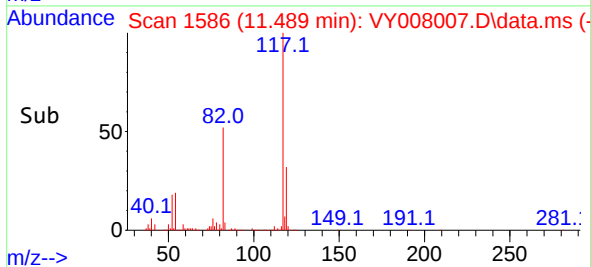
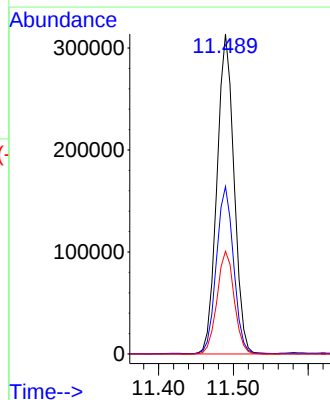
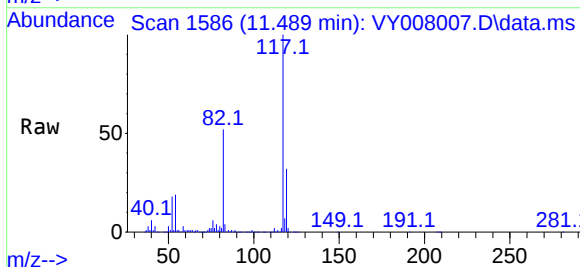
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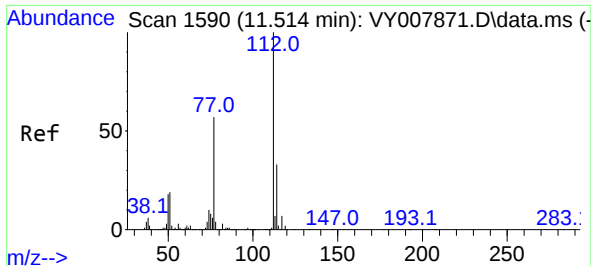
Tgt Ion: 95 Resp: 218602
Ion Ratio Lower Upper
95 100
174 84.3 0.0 177.0
176 84.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

Tgt Ion: 117 Resp: 498798
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 32.1 25.4 38.0

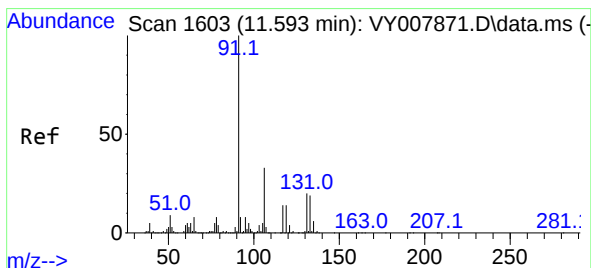
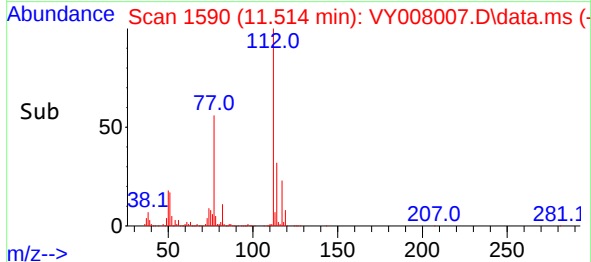
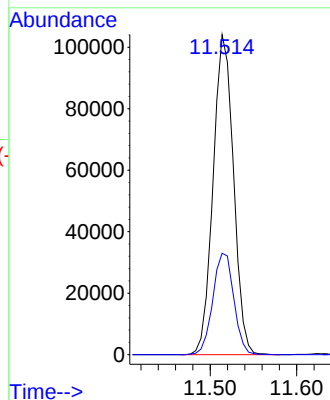
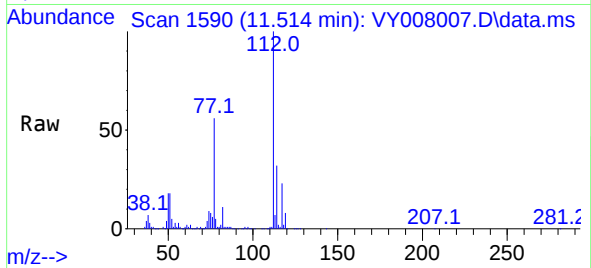




#65
Chlorobenzene
Concen: 14.224 ug/l
RT: 11.514 min Scan# 111
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

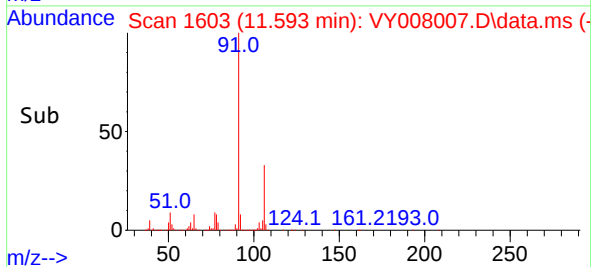
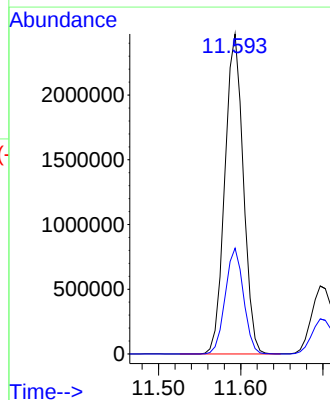
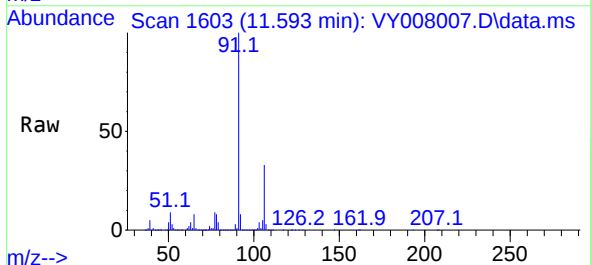
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RW-1-20220321-19.0-20.0

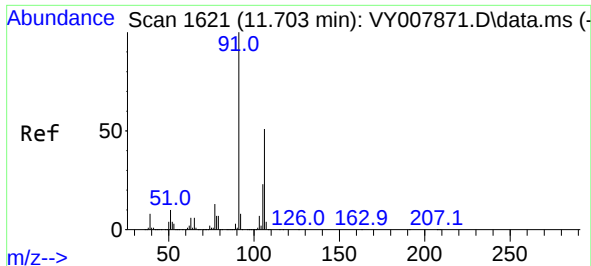
Tgt Ion:112 Resp: 169959
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#67
Ethyl Benzene
Concen: 180.948 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

Tgt Ion: 91 Resp: 3851405
Ion Ratio Lower Upper
91 100
106 33.0 24.5 36.7





#68

m/p-Xylenes

Concen: 58.954 ug/l

RT: 11.697 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY008007.D

Acq: 22 Mar 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

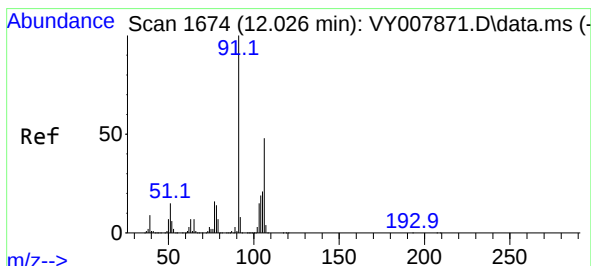
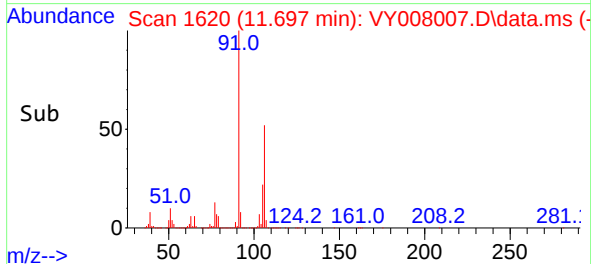
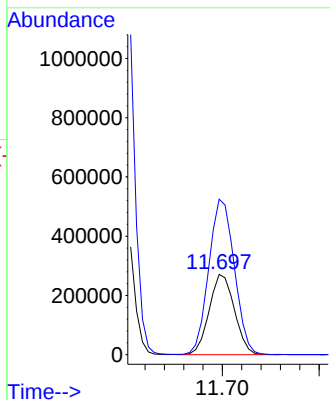
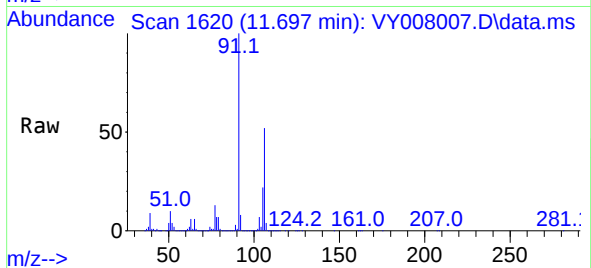
RW-1-20220321-19.0-20.0

Tgt Ion:106 Resp: 489477

Ion Ratio Lower Upper

106 100

91 196.7 166.6 249.8



#69

o-Xylene

Concen: 82.457 ug/l

RT: 12.026 min Scan# 1674

Delta R.T. -0.006 min

Lab File: VY008007.D

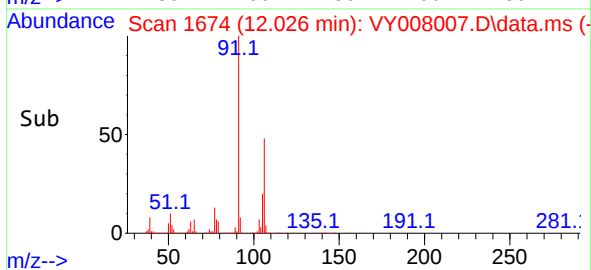
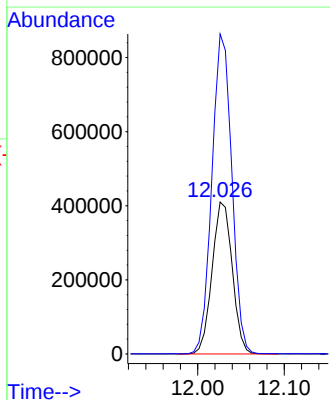
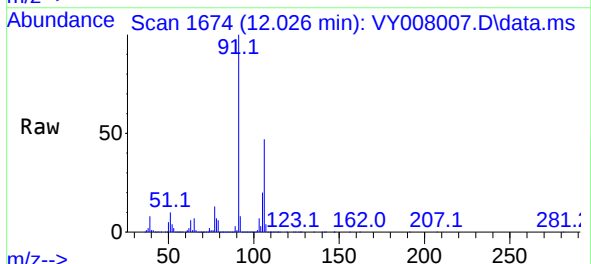
Acq: 22 Mar 2022 17:52

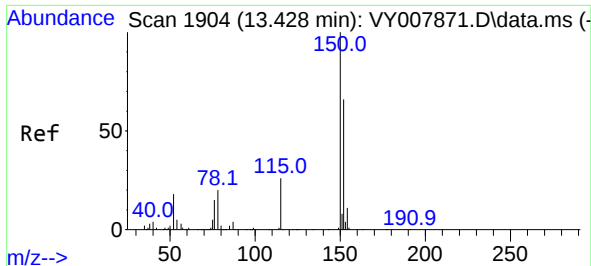
Tgt Ion:106 Resp: 662219

Ion Ratio Lower Upper

106 100

91 207.9 110.3 331.0

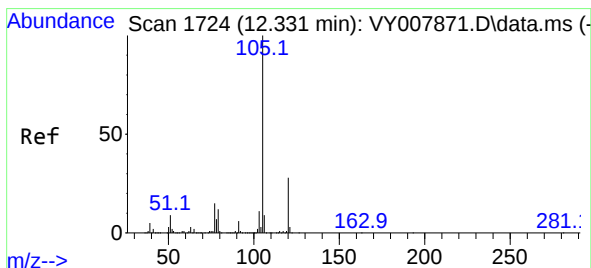
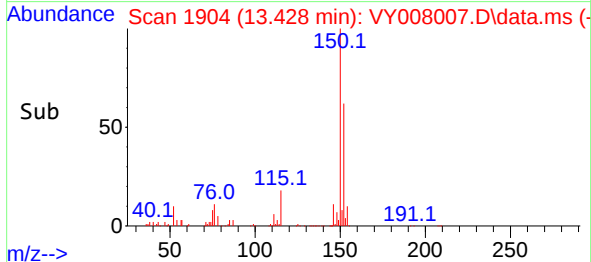
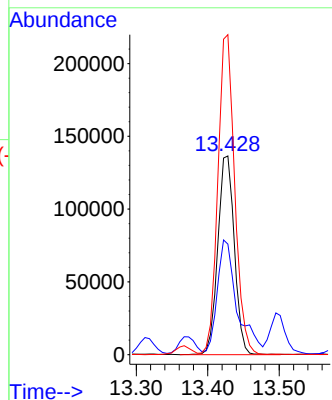
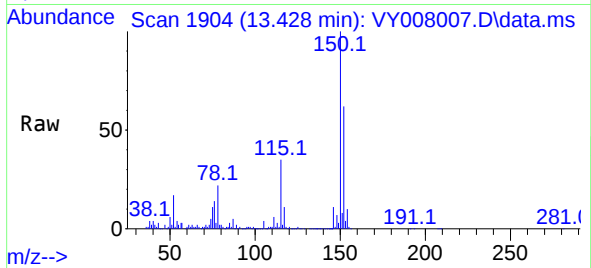




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

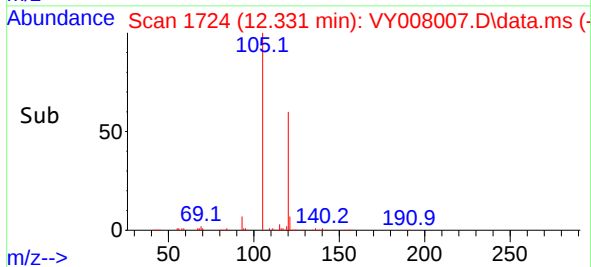
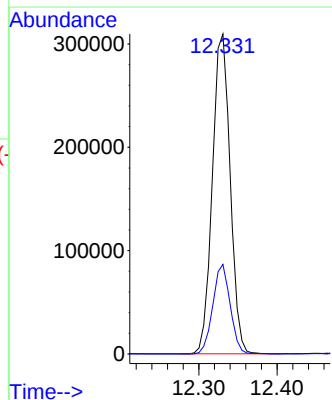
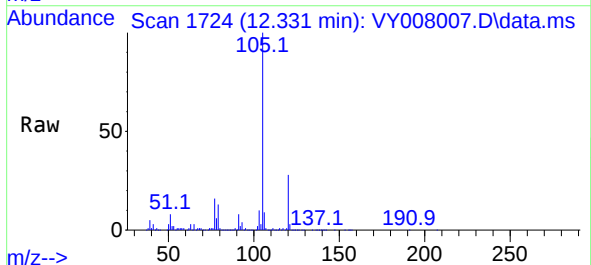
Instrument :
MSVOA_Y
ClientSampleId :
RW-1-20220321-19.0-20.0

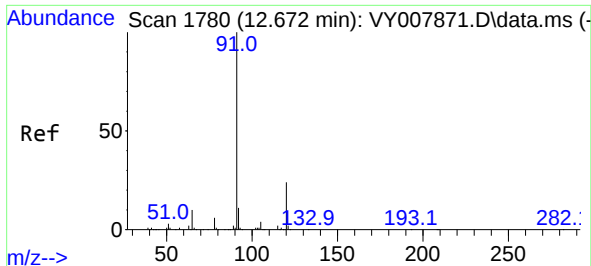
Tgt Ion:152 Resp: 219366
Ion Ratio Lower Upper
152 100
115 65.4 28.2 84.7
150 163.7 0.0 347.6



#73
Isopropylbenzene
Concen: 25.276 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

Tgt Ion:105 Resp: 488056
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.2

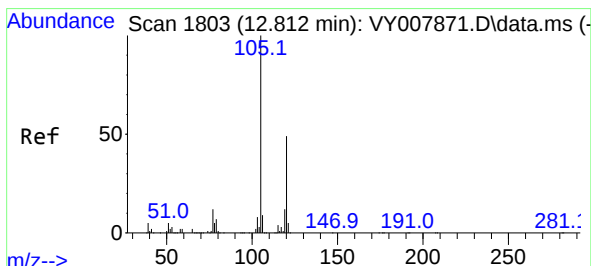
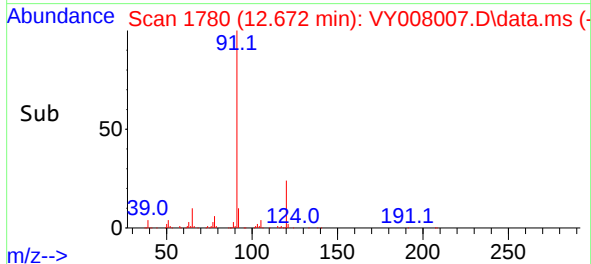
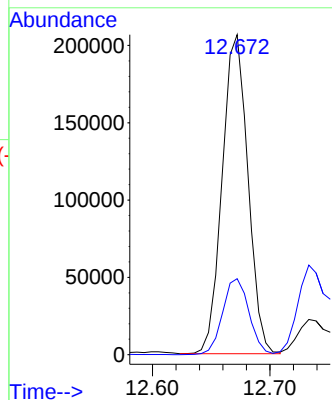
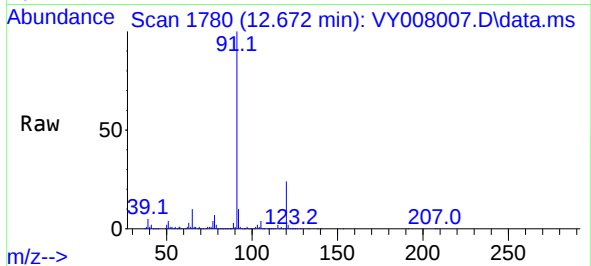




#78
n-propylbenzene
Concen: 13.479 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

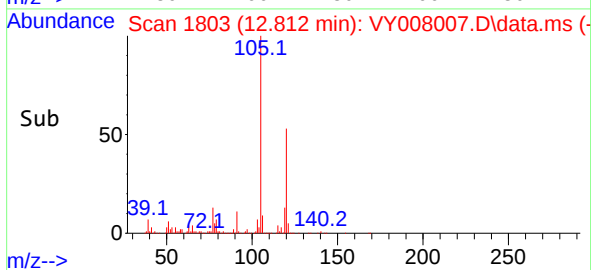
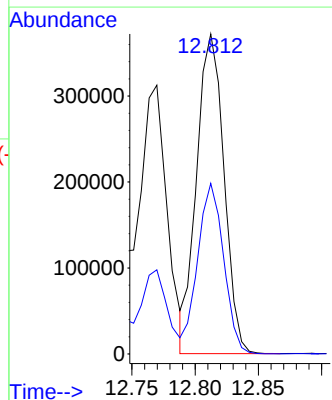
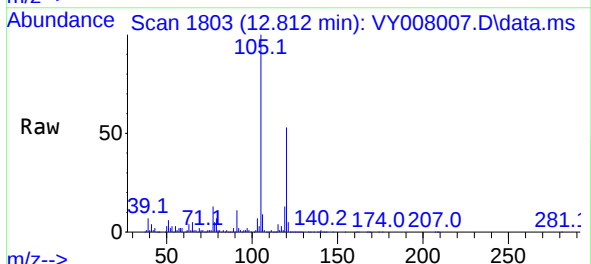
Instrument :
MSVOA_Y
ClientSampleId :
RW-1-20220321-19.0-20.0

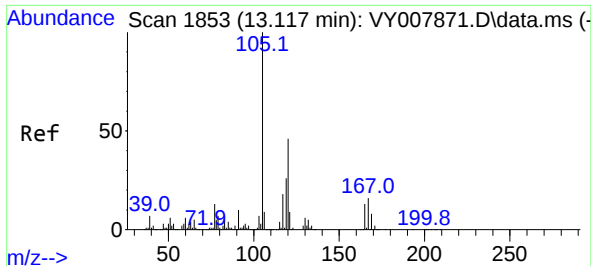
Tgt Ion: 91 Resp: 314287
Ion Ratio Lower Upper
91 100
120 24.4 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 35.226 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

Tgt Ion: 105 Resp: 559362
Ion Ratio Lower Upper
105 100
120 50.7 24.4 73.4

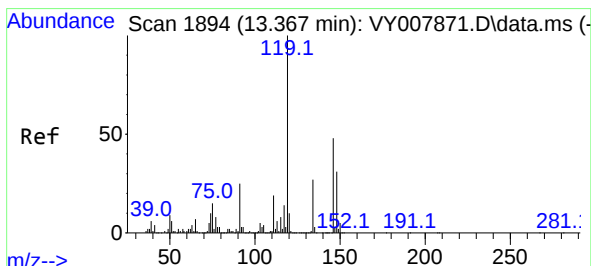
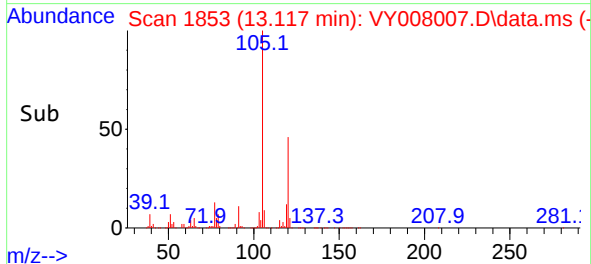
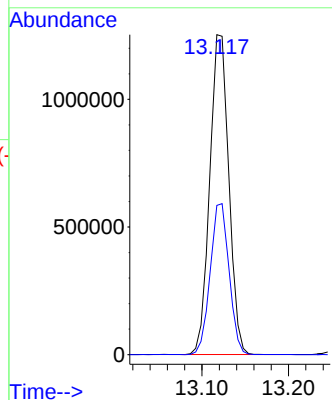
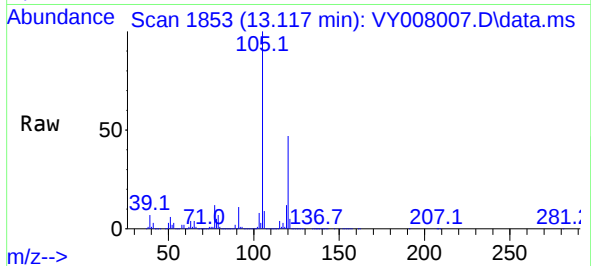




#84
1,2,4-Trimethylbenzene
Concen: 123.069 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

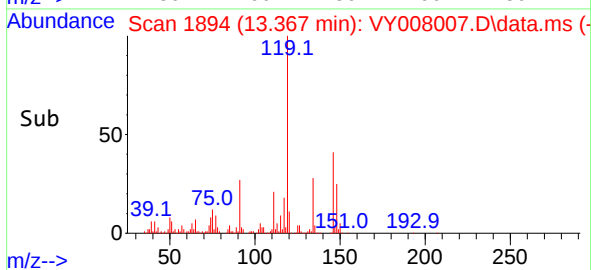
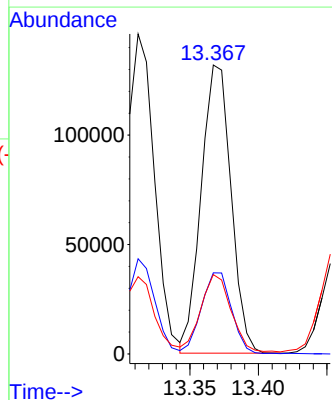
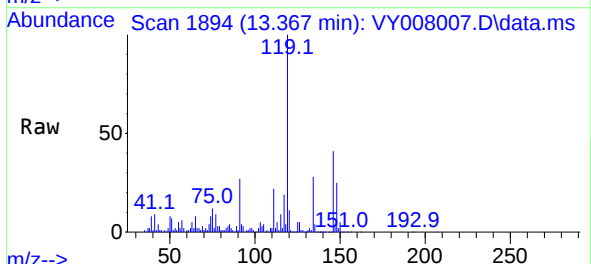
Instrument :
MSVOA_Y
ClientSampleId :
RW-1-20220321-19.0-20.0

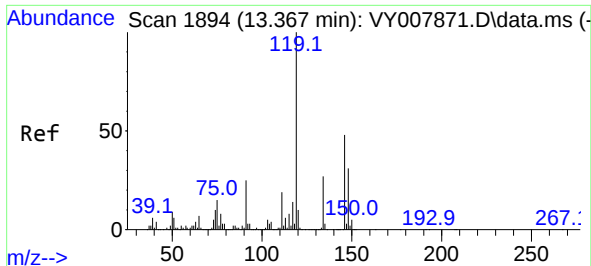
Tgt Ion:105 Resp: 1915678
Ion Ratio Lower Upper
105 100
120 46.8 22.3 66.9



#86
p-Isopropyltoluene
Concen: 11.535 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

Tgt Ion:119 Resp: 199412
Ion Ratio Lower Upper
119 100
134 28.3 13.2 39.5
91 26.9 12.4 37.2

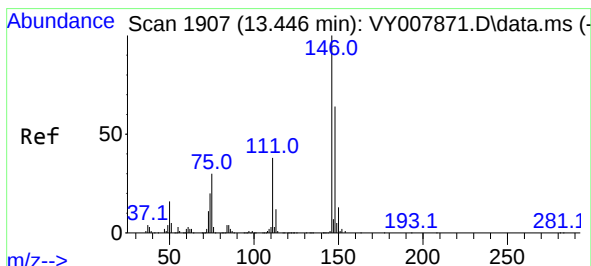
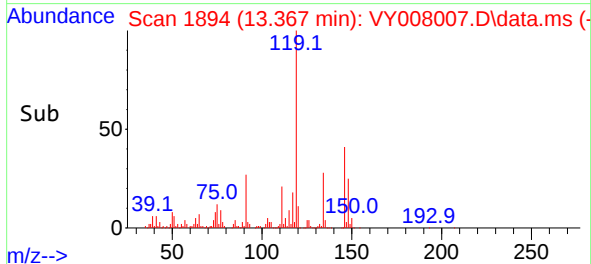
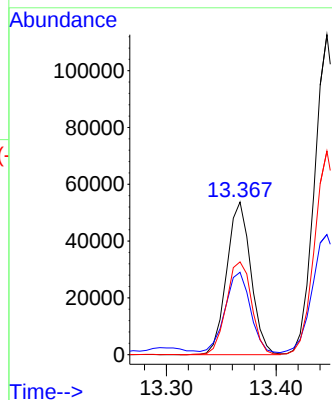
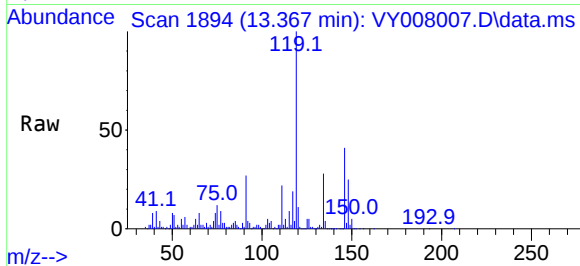




#87
1,3-Dichlorobenzene
Concen: 9.551 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

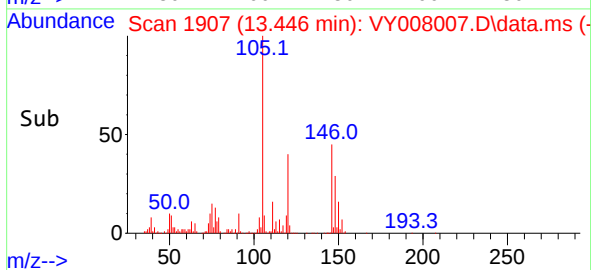
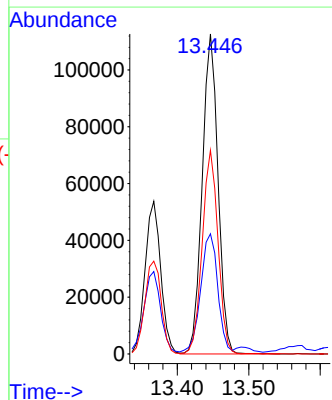
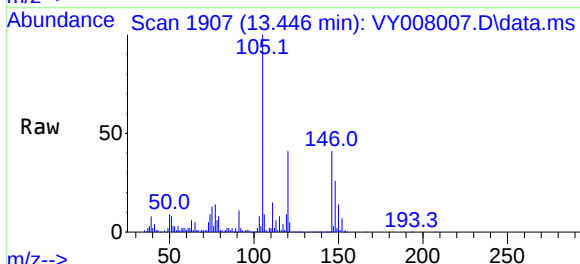
Instrument : MSVOA_Y
ClientSampleId : RW-1-20220321-19.0-20.0

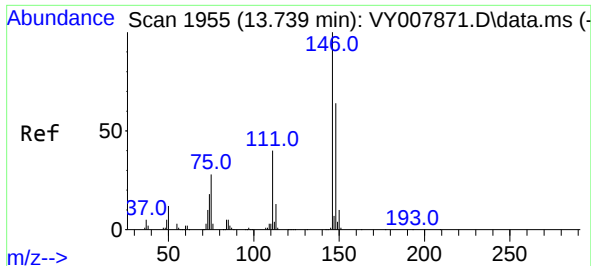
Tgt Ion:	146	Resp:	82304
Ion Ratio	Lower	Upper	
146	100		
111	54.6	19.5	58.5
148	63.6	31.6	95.0



#88
1,4-Dichlorobenzene
Concen: 19.977 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY008007.D
Acq: 22 Mar 2022 17:52

Tgt Ion:	146	Resp:	172545
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.3	57.8
148	63.5	32.6	97.8





#91

1,2-Dichlorobenzene

Concen: 1.335 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY008007.D

Acq: 22 Mar 2022 17:52

Instrument :

MSVOA_Y

ClientSampleId :

RW-1-20220321-19.0-20.0

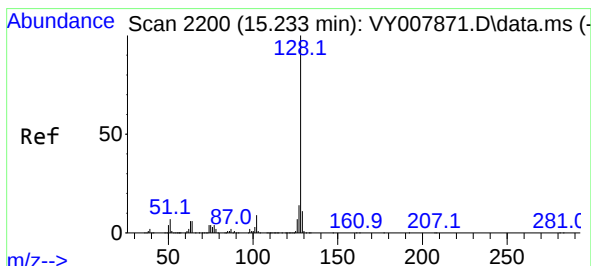
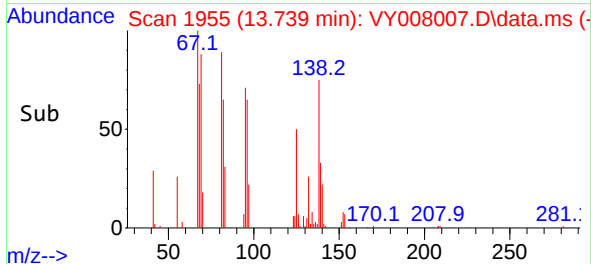
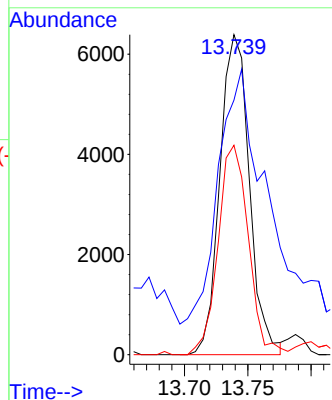
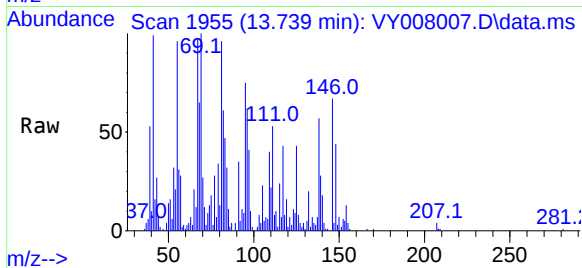
Tgt Ion:146 Resp: 10347

Ion Ratio Lower Upper

146 100

111 143.1 20.3 60.9#

148 67.3 32.3 96.9



#95

Naphthalene

Concen: 1312.851 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY008007.D

Acq: 22 Mar 2022 17:52

Tgt Ion:128 Resp:14352461

Ion Ratio Lower Upper

128 100

127 14.9 11.0 16.4

129 12.9 8.4 12.6#

