

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031921\
 Data File : VY004136.D
 Acq On : 19 Mar 2021 14:01
 Operator : SY/MD
 Sample : M1721-03
 Misc : 5.69g/5mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-08-031821

Quant Time: Mar 20 03:13:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

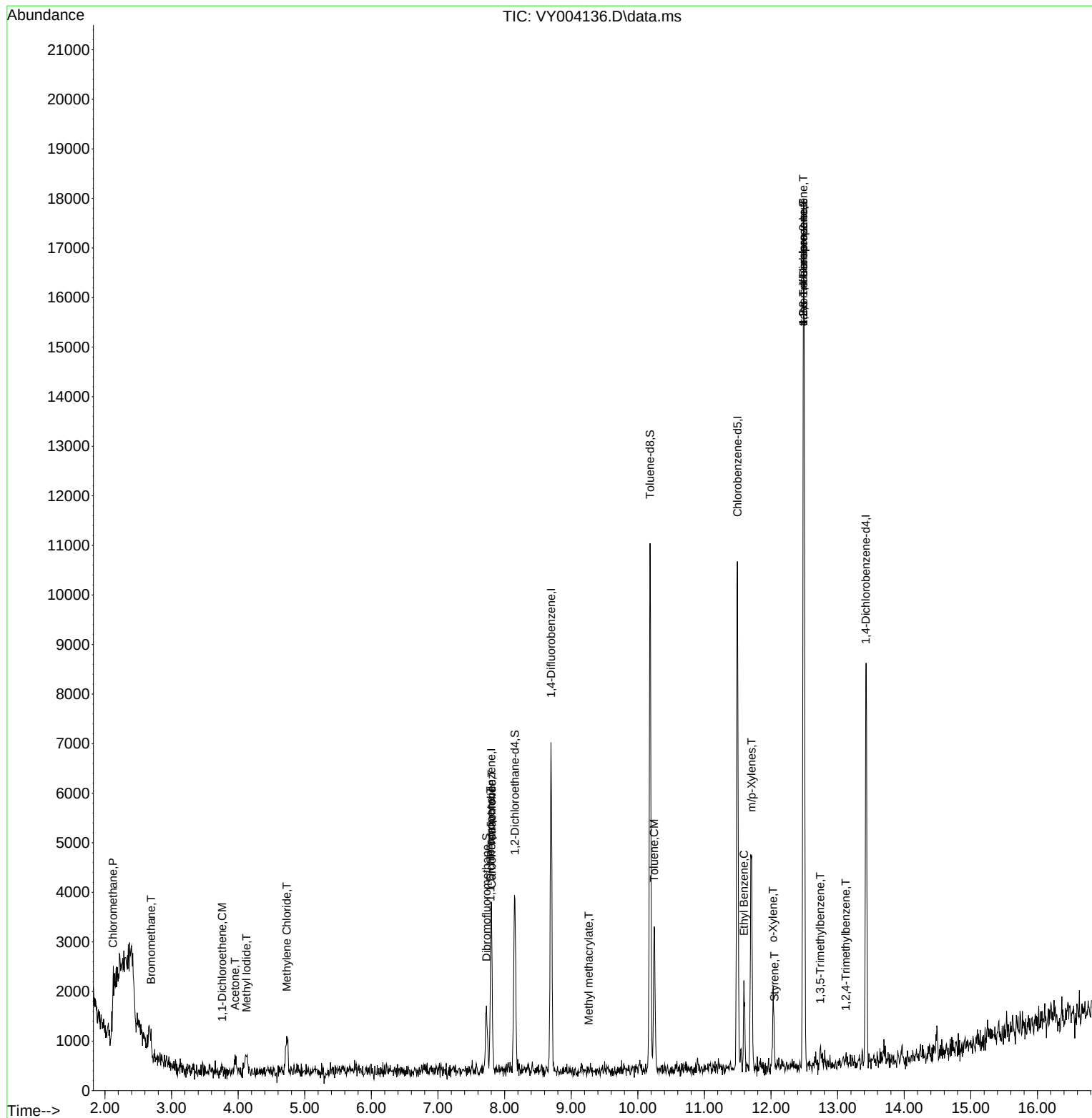
Internal Standards						
1) Pentafluorobenzene	7.801	168	3090	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	5504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	5948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2242	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	2879	94.41	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	= 188.82%#		
35) Dibromofluoromethane	7.728	113	985	31.74	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	= 63.48%		
50) Toluene-d8	10.185	98	6858	56.36	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	= 112.72%		
62) 4-Bromofluorobenzene	12.483	95	2512	55.90	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	= 111.80%		
Target Compounds						Qvalue
3) Chloromethane	2.119	50	336	7.93	ug/l	# 64
5) Bromomethane	2.692	94	367	15.38	ug/l	# 74
10) Methyl Iodide	4.125	142	650	22.91	ug/l	# 56
12) 1,1-Dichloroethene	3.759	96	76	2.80	ug/l	# 1
16) Acetone	3.954	43	418	56.79	ug/l	# 72
20) Methylene Chloride	4.728	84	489	12.78	ug/l	# 75
36) 1,1-Dichloropropene	7.789	75	242	5.00	ug/l	# 42
38) Carbon Tetrachloride	7.807	117	212	4.13	ug/l	# 13
48) Methyl methacrylate	9.264	41	41	1.65	ug/l	# 15
52) Toluene	10.246	92	1342	15.21	ug/l	97
67) Ethyl Benzene	11.593	91	1237	5.91	ug/l	# 87
68) m/p-Xylenes	11.709	106	1741	21.81	ug/l	85
69) o-Xylene	12.032	106	456	6.04	ug/l	79
70) Styrene	12.050	104	202	1.56	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	1471	68.43	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.739	105	288	2.18	ug/l	82
81) trans-1,4-Dichloro-2-b...	12.483	75	1471	135.05	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.123	105	275	2.08	ug/l	# 32

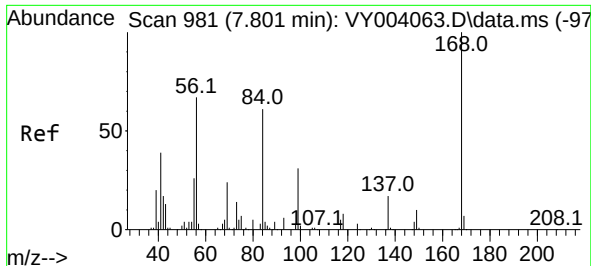
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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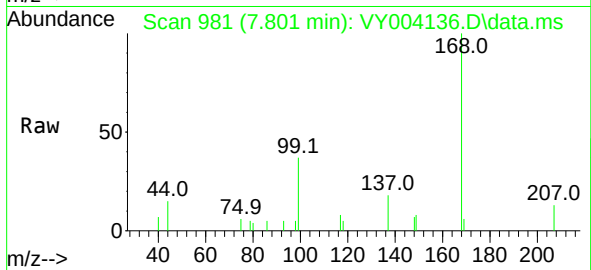
Quant Time: Mar 20 03:13:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 08 12:28:55 2021
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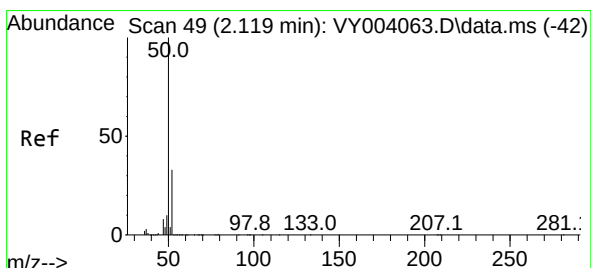
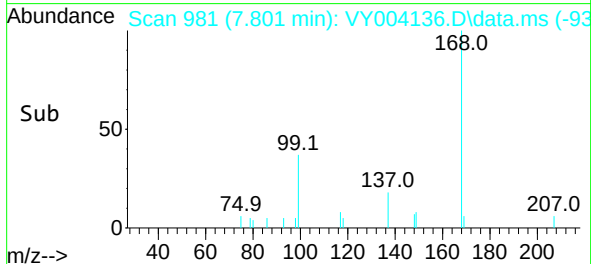
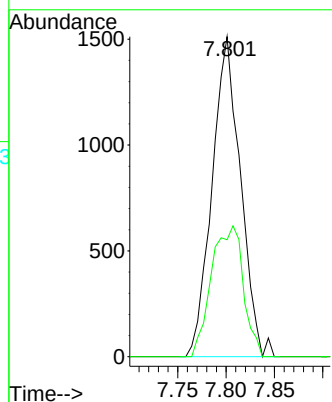


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

Instrument :
MSVOA_Y
ClientSampleId :
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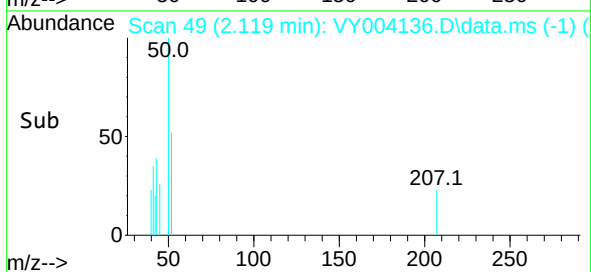
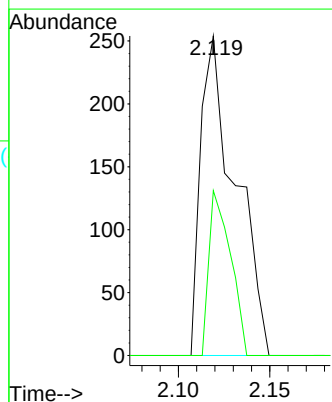
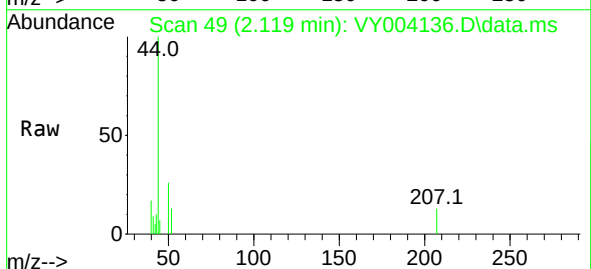


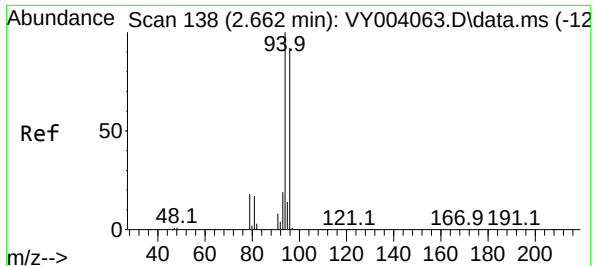
Tgt Ion:168 Resp: 3090
Ion Ratio Lower Upper
168 100
99 36.6 41.2 61.8#



#3
Chloromethane
Concen: 7.93 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

Tgt Ion: 50 Resp: 336
Ion Ratio Lower Upper
50 100
52 51.6 25.4 38.2#

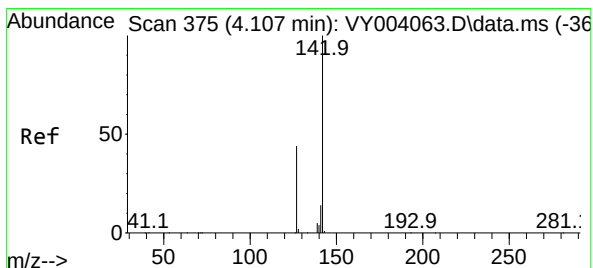
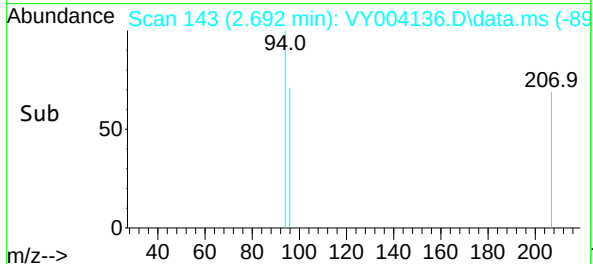
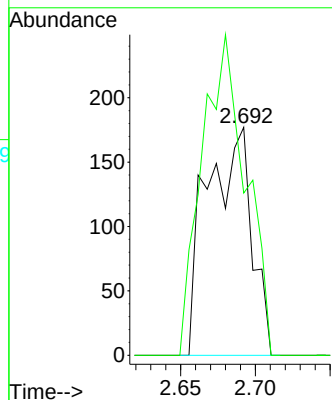
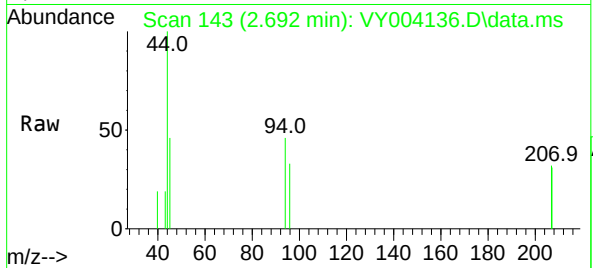




#5
Bromomethane
Concen: 15.38 ug/l
RT: 2.692 min Scan# 143
Delta R.T. 0.030 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

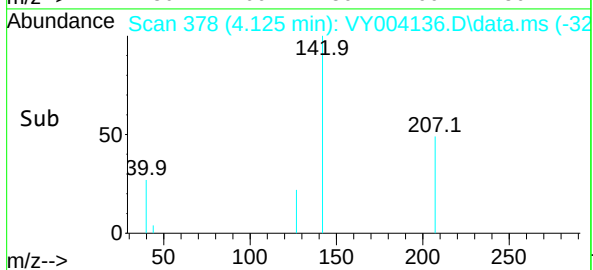
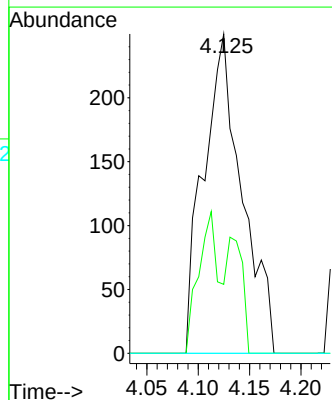
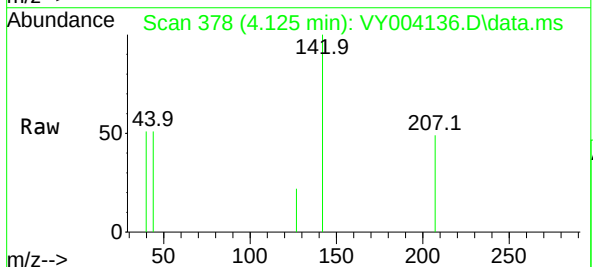
Instrument :
MSVOA_Y
ClientSampleId :
TR-08-031821

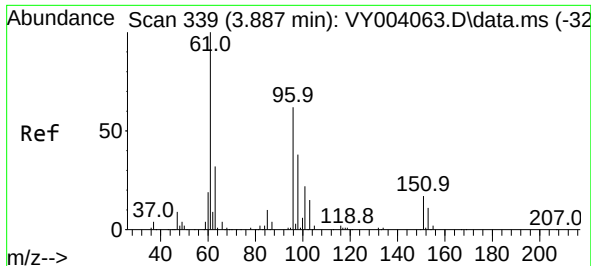
Tgt Ion: 94 Resp: 367
Ion Ratio Lower Upper
94 100
96 71.2 77.4 116.2#



#10
Methyl Iodide
Concen: 22.91 ug/l
RT: 4.125 min Scan# 378
Delta R.T. 0.018 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

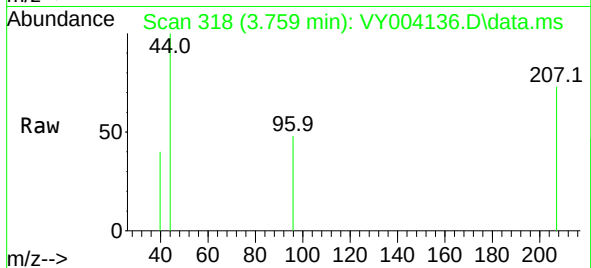
Tgt Ion: 142 Resp: 650
Ion Ratio Lower Upper
142 100
127 14.0 35.4 53.0#
141 0.0 11.5 17.3#



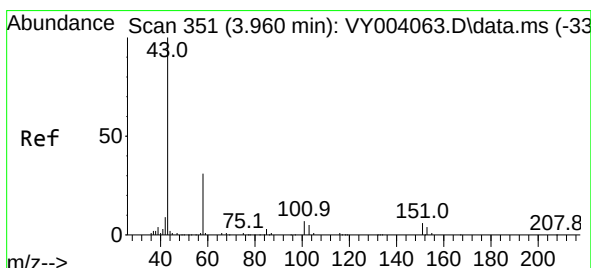
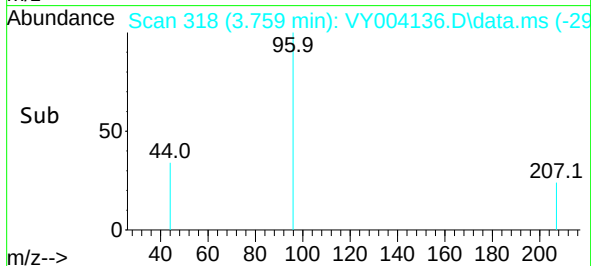
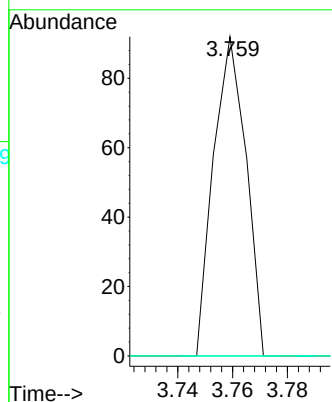


#12
1,1-Dichloroethene
Concen: 2.80 ug/l
RT: 3.759 min Scan# 318
Delta R.T. -0.128 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

Instrument :
MSVOA_Y
ClientSampleId :
TR-08-031821

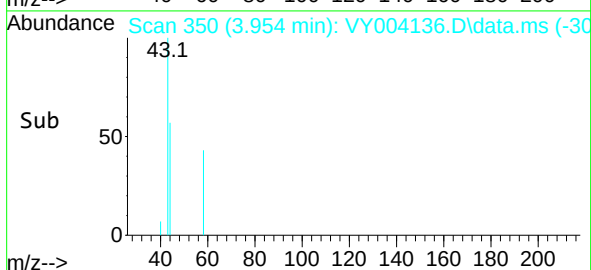
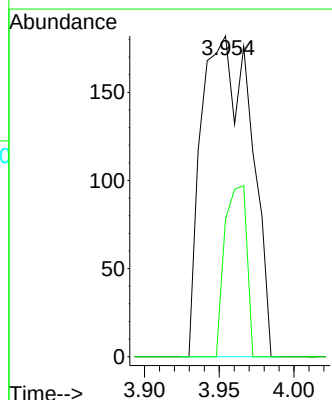
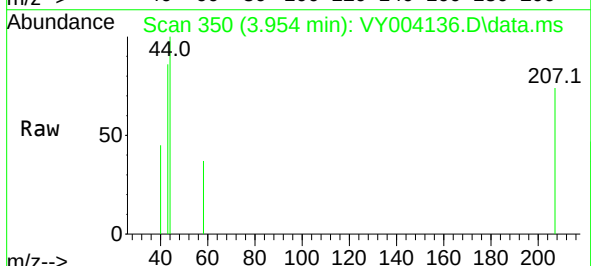


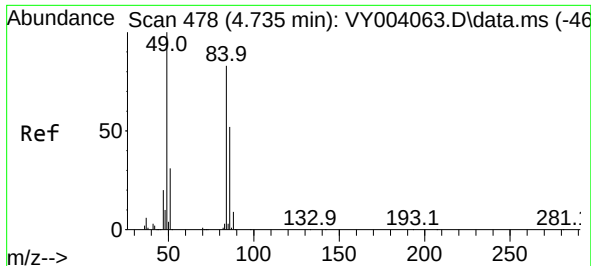
Tgt Ion: 96 Resp: 76
Ion Ratio Lower Upper
96 100
61 0.0 130.7 196.1#
98 0.0 48.9 73.3#



#16
Acetone
Concen: 56.79 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
58 42.9 22.6 34.0#

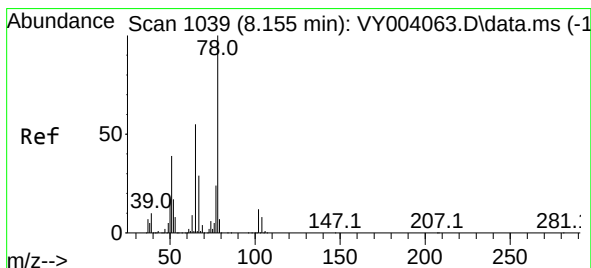
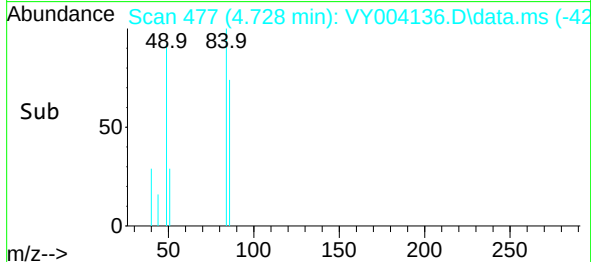
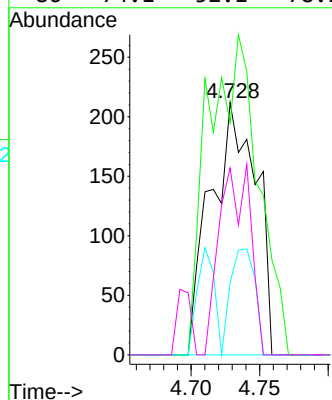
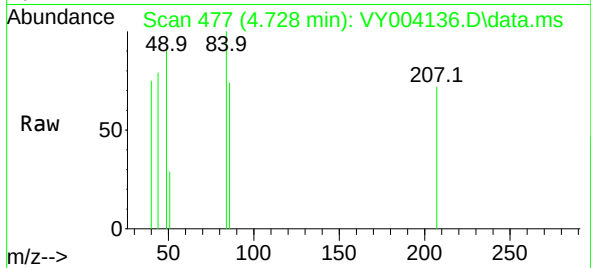




#20
Methylene Chloride
Concen: 12.78 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

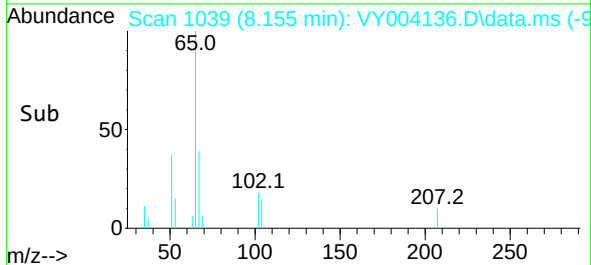
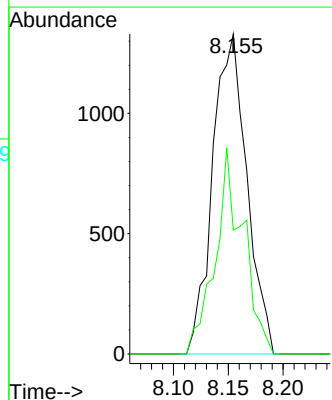
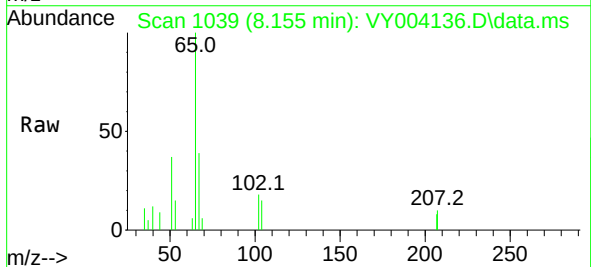
Instrument :
MSVOA_Y
ClientSampleId :
TR-08-031821

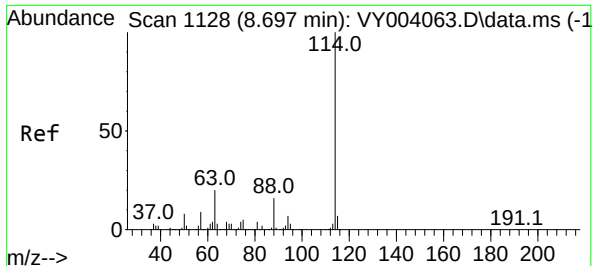
Tgt Ion: 84 Resp: 489
Ion Ratio Lower Upper
84 100
49 92.0 105.8 158.6#
51 28.8 32.6 48.8#
86 74.1 52.1 78.1



#33
1,2-Dichloroethane-d4
Concen: 94.41 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

Tgt Ion: 65 Resp: 2879
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.4

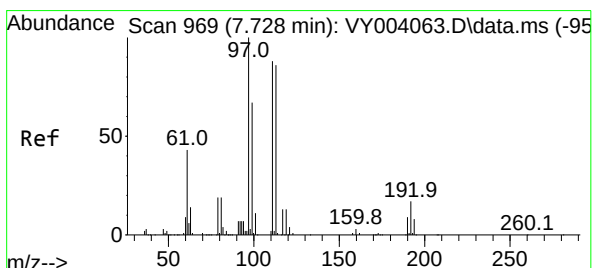
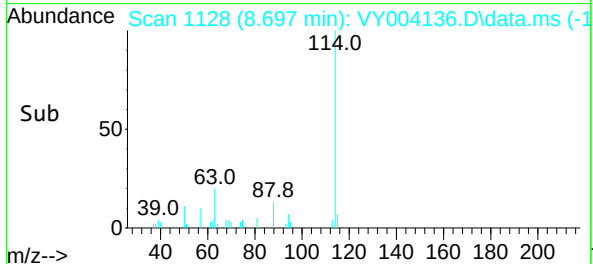
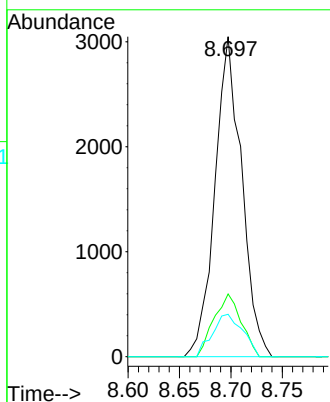
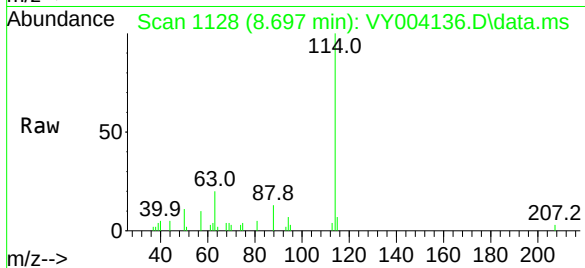




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

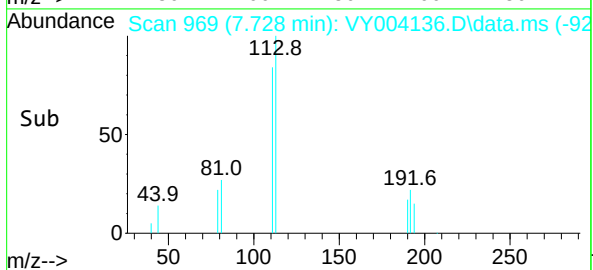
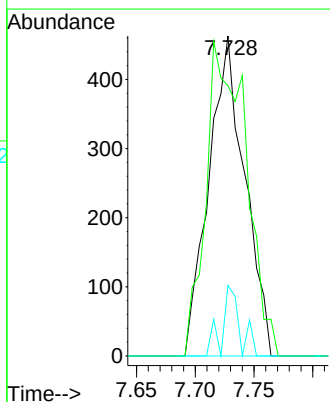
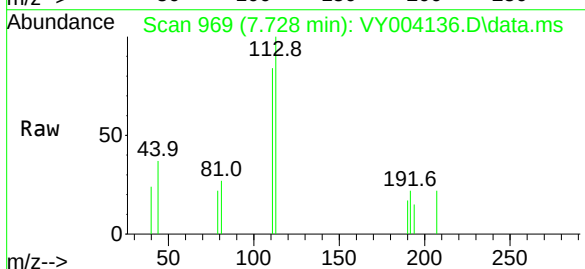
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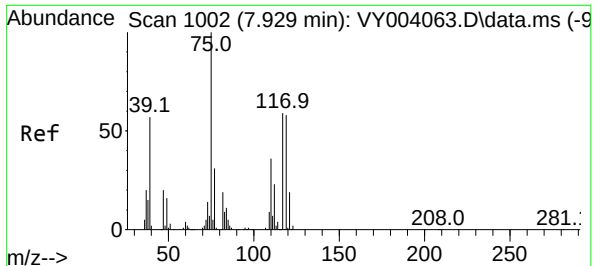
Tgt Ion:	114	Resp:	5504
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.6
88	13.3	0.0	31.4



#35
Dibromofluoromethane
Concen: 31.74 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

Tgt Ion:	113	Resp:	985
Ion	Ratio	Lower	Upper
113	100		
111	109.6	83.2	124.8
192	10.9	18.5	27.7#

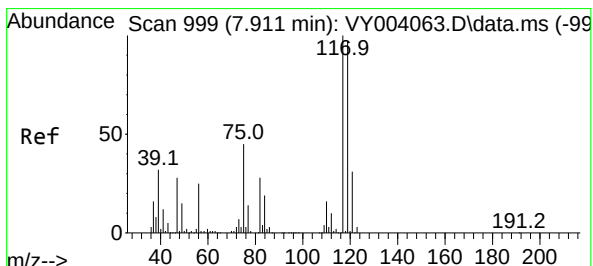
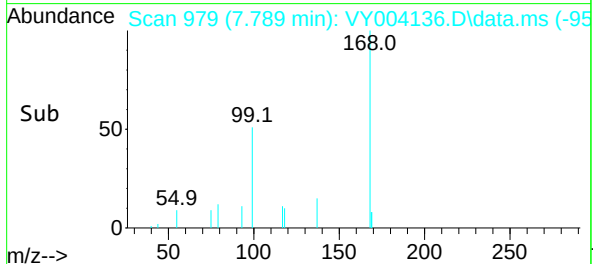
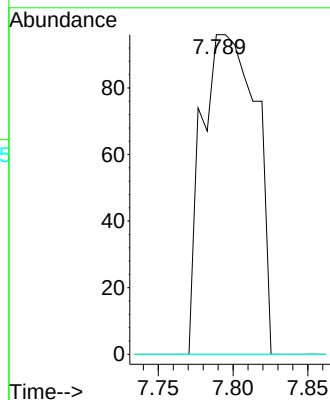
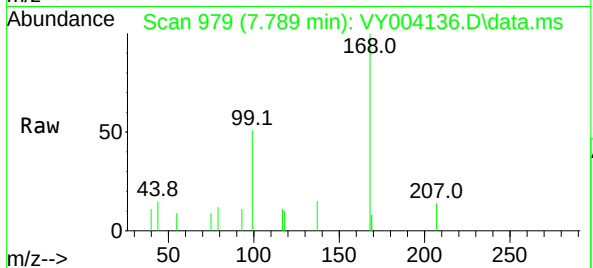




#36
1,1-Dichloropropene
Concen: 5.00 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.140 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

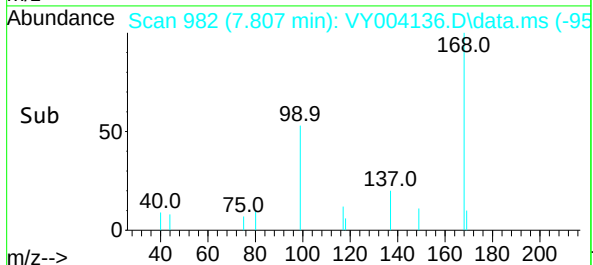
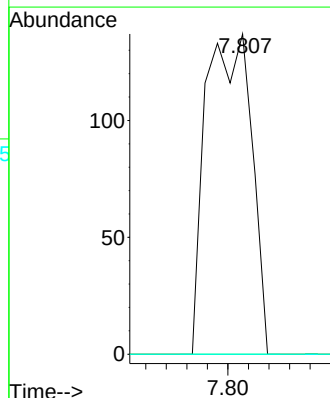
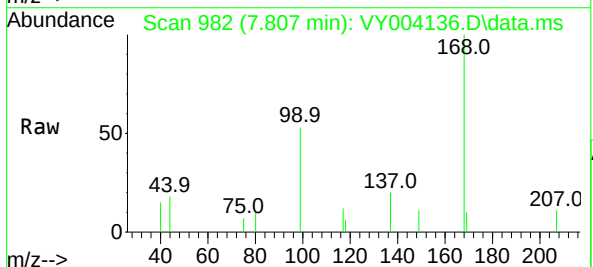
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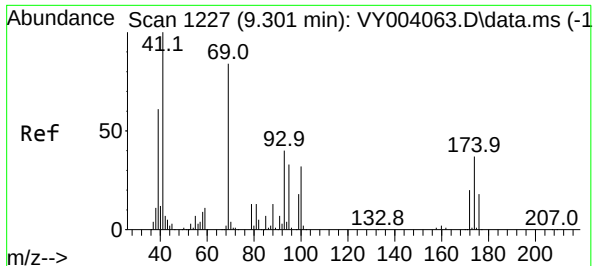
Tgt Ion: 75 Resp: 242
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 4.13 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.104 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

Tgt Ion: 117 Resp: 212
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 24.2 36.2#

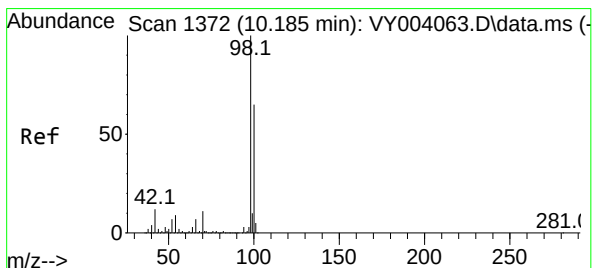
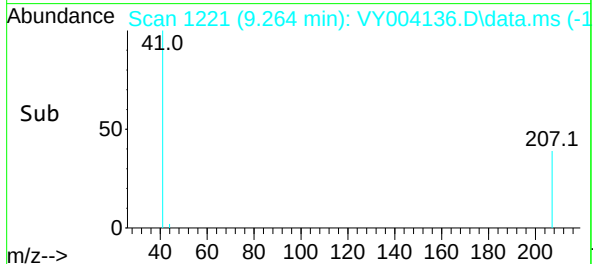
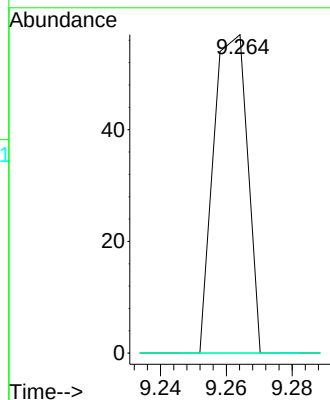
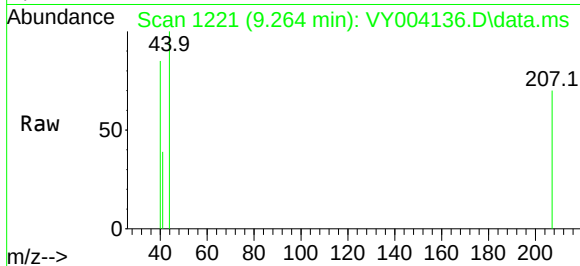




#48
Methyl methacrylate
Concen: 1.65 ug/l
RT: 9.264 min Scan# 1221
Delta R.T. -0.037 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

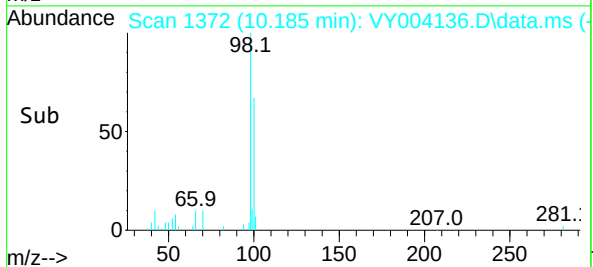
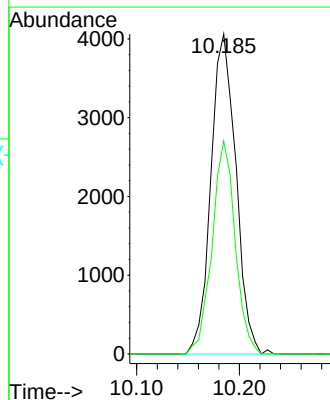
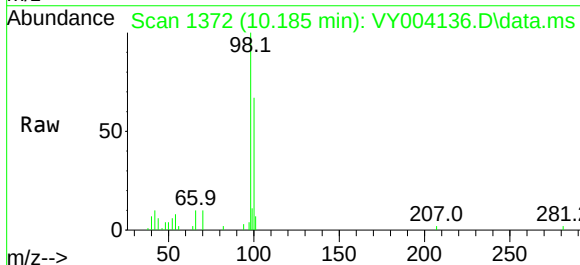
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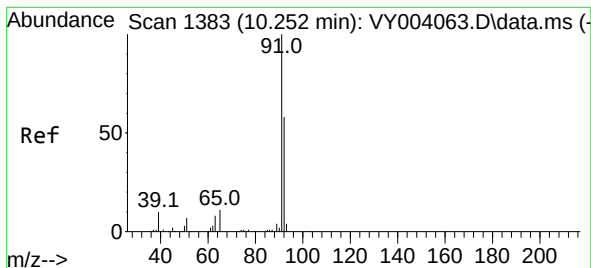
Tgt Ion:	41	Resp:	41
Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.1	97.7#
39	0.0	44.2	66.2#



#50
Toluene-d8
Concen: 56.36 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

Tgt Ion:	98	Resp:	6858
Ion	Ratio	Lower	Upper
98	100		
100	61.5	51.8	77.6





#52

Toluene

Concen: 15.21 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.006 min

Lab File: VY004136.D

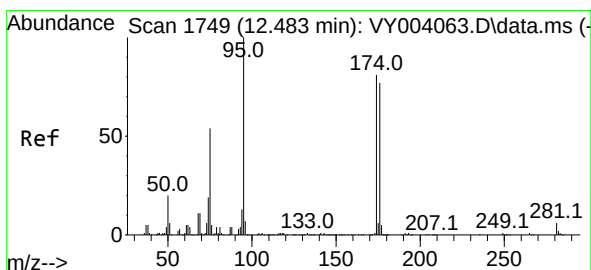
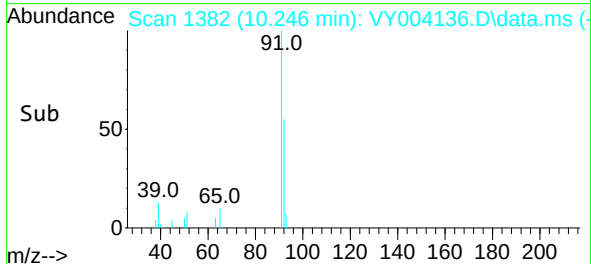
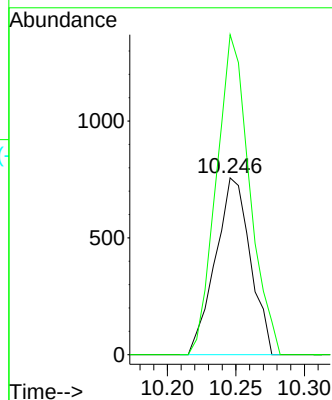
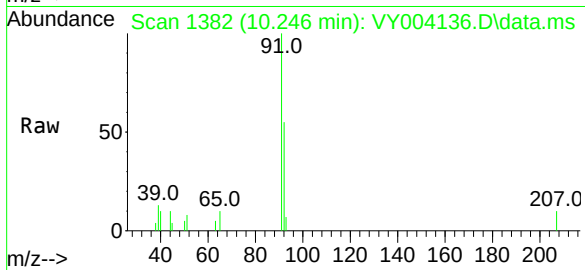
Acq: 19 Mar 2021 14:01

Tgt Ion: 92 Resp: 1342

Ion Ratio Lower Upper

92 100

91 172.4 141.0 211.4



#62

4-Bromofluorobenzene

Concen: 55.90 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY004136.D

Acq: 19 Mar 2021 14:01

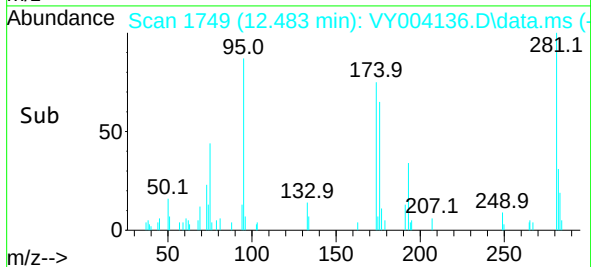
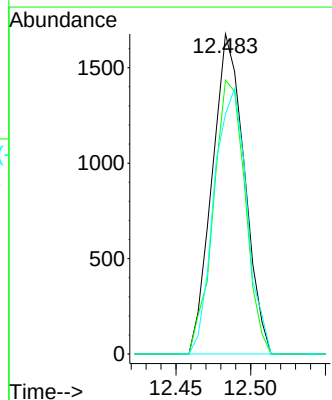
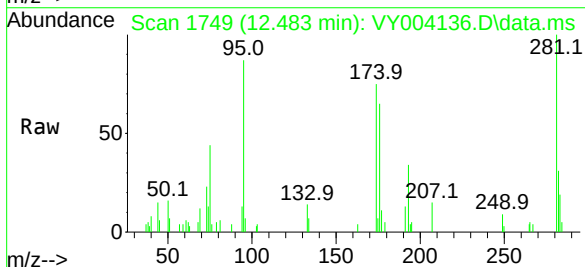
Tgt Ion: 95 Resp: 2512

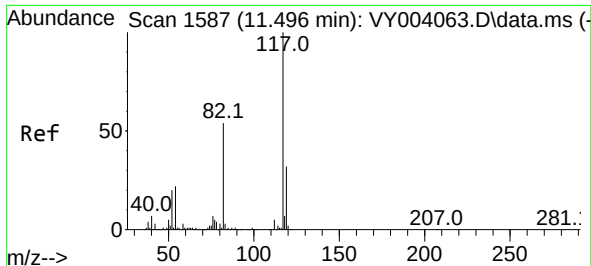
Ion Ratio Lower Upper

95 100

174 83.9 0.0 179.0

176 84.2 0.0 174.4

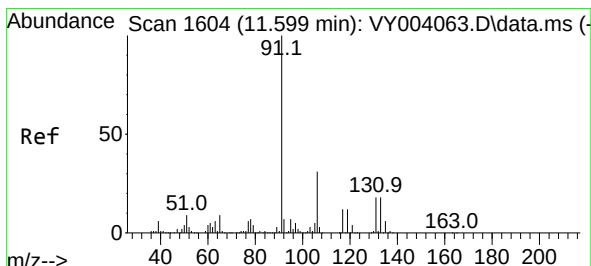
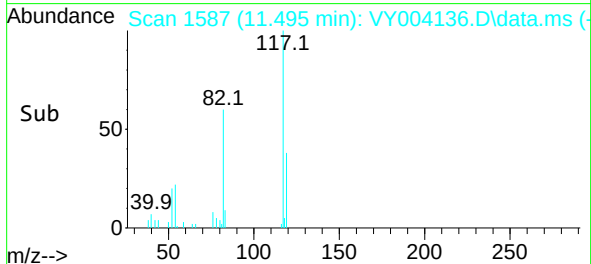
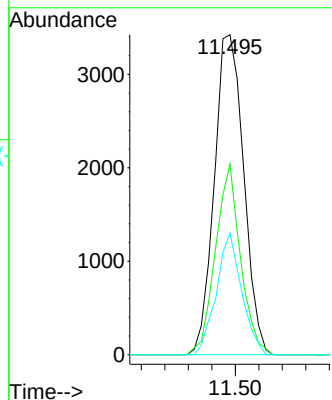
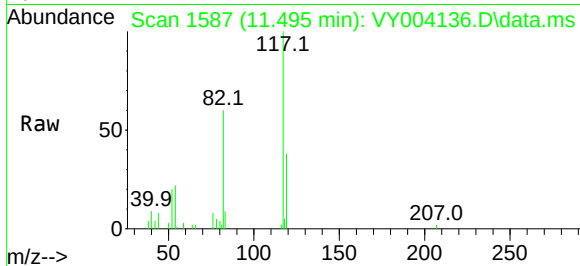




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.001 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

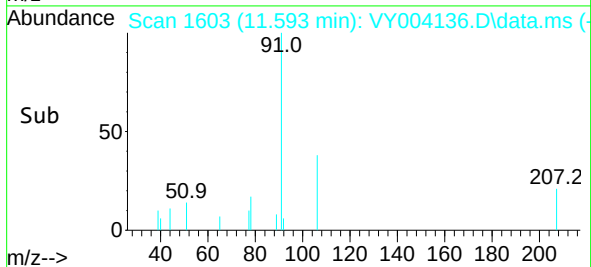
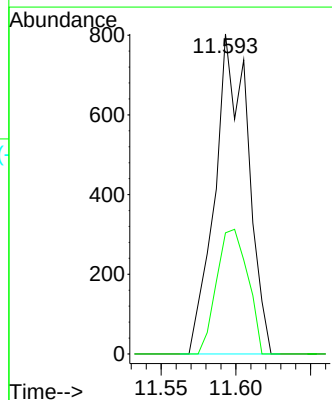
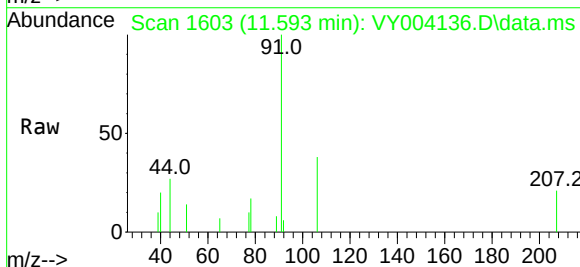
Instrument :
MSVOA_Y
ClientSampleId :
TR-08-031821

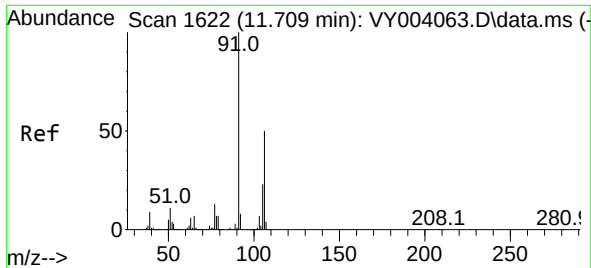
Tgt Ion:	117	Resp:	5948
Ion	Ratio	Lower	Upper
117	100		
82	59.5	43.8	65.6
119	38.0	26.2	39.2



#67
Ethyl Benzene
Concen: 5.91 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

Tgt Ion:	91	Resp:	1237
Ion	Ratio	Lower	Upper
91	100		
106	37.9	24.5	36.7#

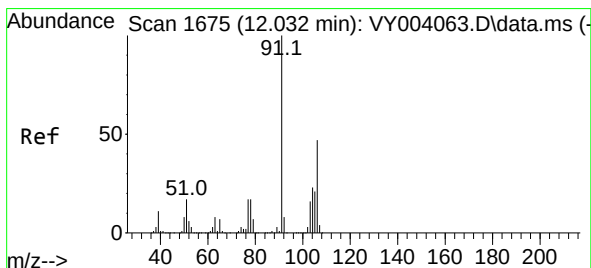
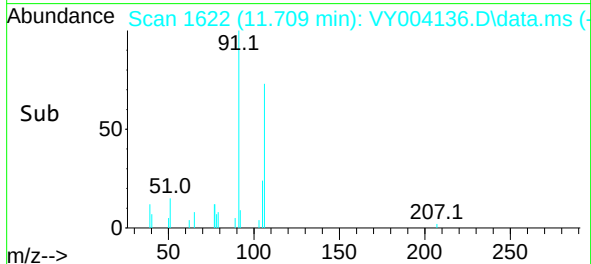
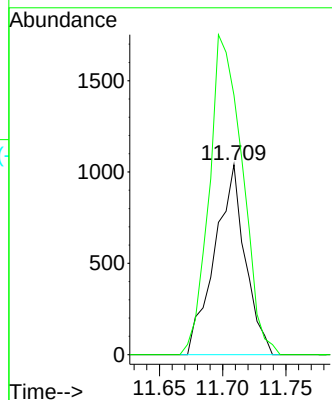
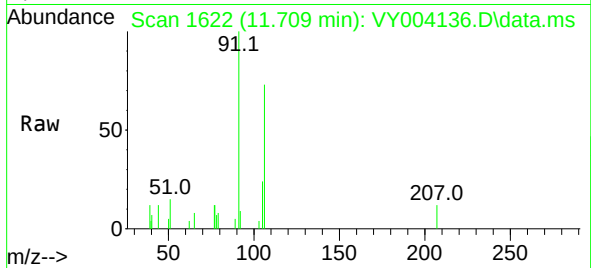




#68
m/p-Xylenes
Concen: 21.81 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

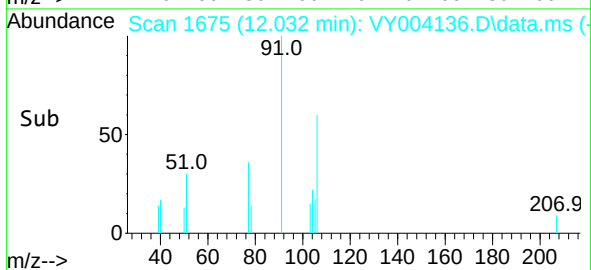
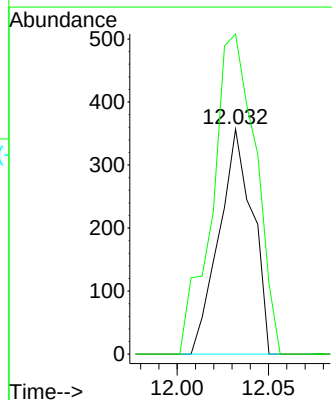
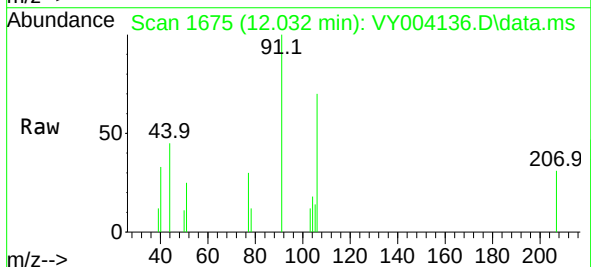
Instrument :
MSVOA_Y
ClientSampleId :
TR-08-031821

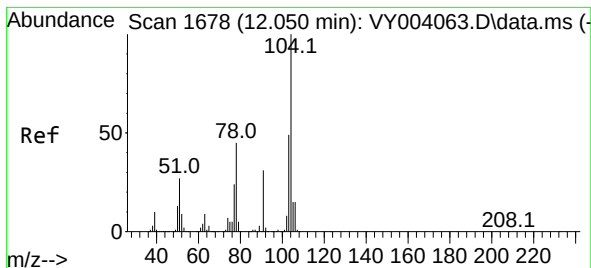
Tgt Ion:106 Resp: 1741
Ion Ratio Lower Upper
106 100
91 183.1 165.4 248.0



#69
o-Xylene
Concen: 6.04 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

Tgt Ion:106 Resp: 456
Ion Ratio Lower Upper
106 100
91 183.8 108.9 326.7





#70

Styrene

Concen: 1.56 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VY004136.D

Acq: 19 Mar 2021 14:01

Tgt Ion:104 Resp: 202

Ion Ratio Lower Upper

104 100

78 45.5 41.1 61.7

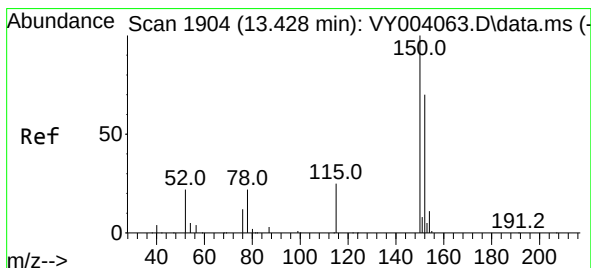
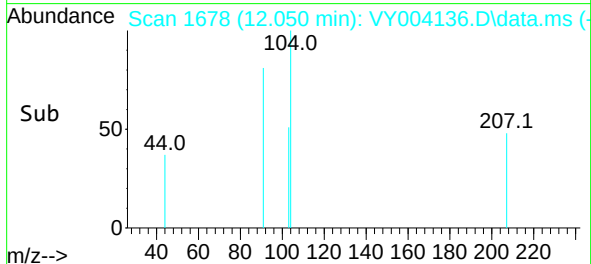
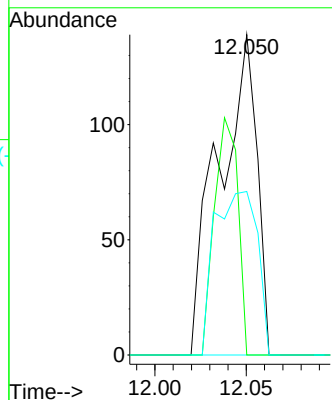
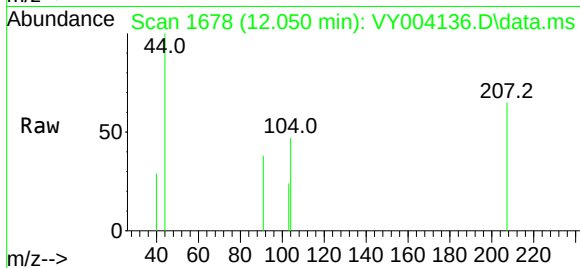
103 56.9 43.9 65.9

Instrument :

MSVOA_Y

ClientSampleId :

TR-08-031821



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY004136.D

Acq: 19 Mar 2021 14:01

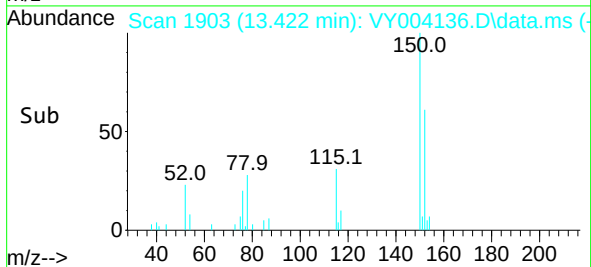
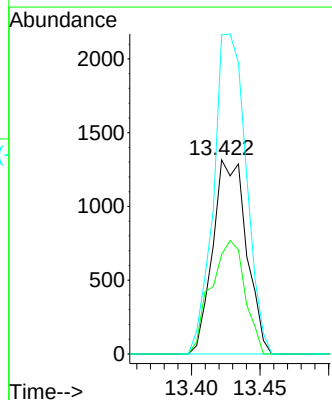
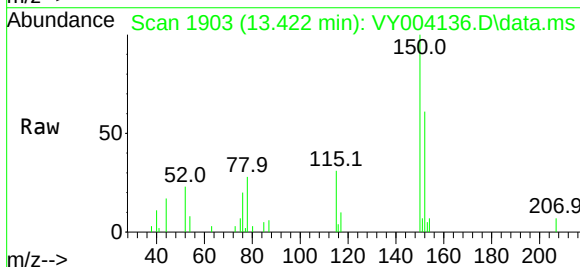
Tgt Ion:152 Resp: 2242

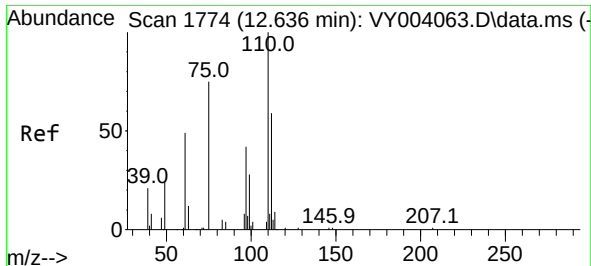
Ion Ratio Lower Upper

152 100

115 59.2 28.2 84.6

150 160.0 0.0 347.2

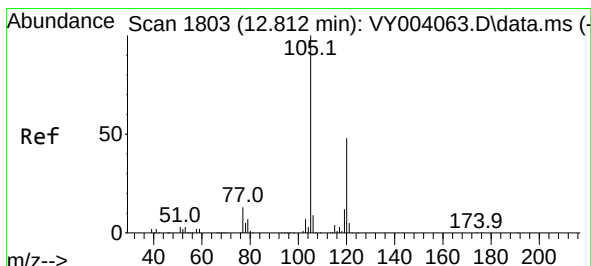
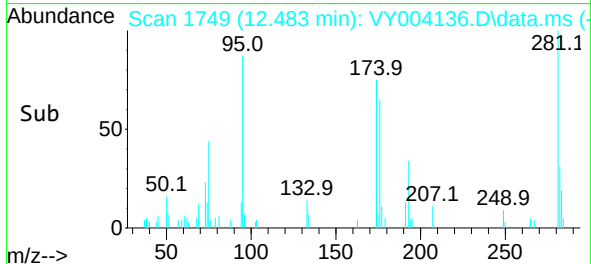
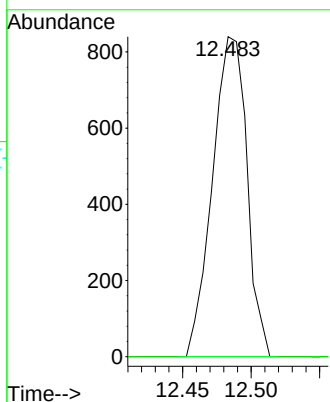
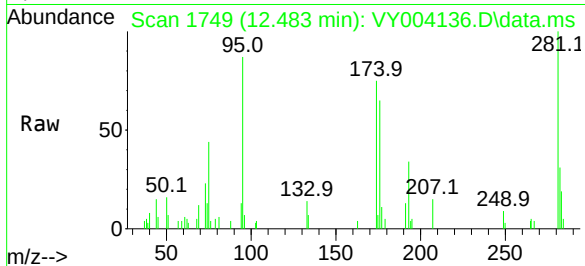




#76
1,2,3-Trichloropropane
Concen: 68.43 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

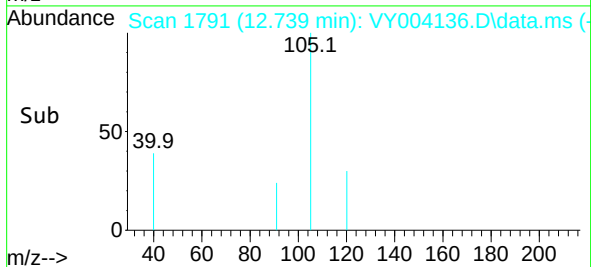
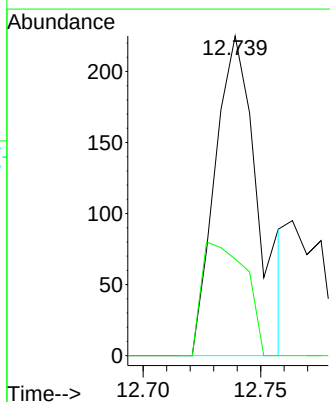
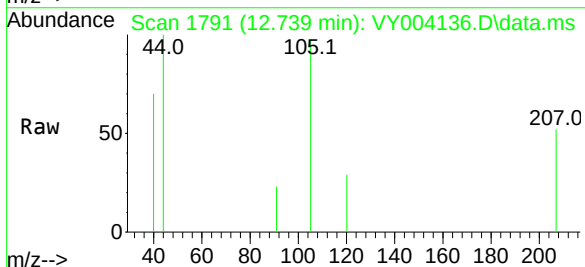
Instrument :
MSVOA_Y
ClientSampleId :
TR-08-031821

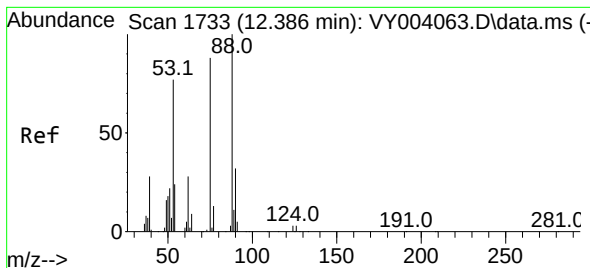
Tgt Ion: 75 Resp: 1471
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 2.18 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.073 min
Lab File: VY004136.D
Acq: 19 Mar 2021 14:01

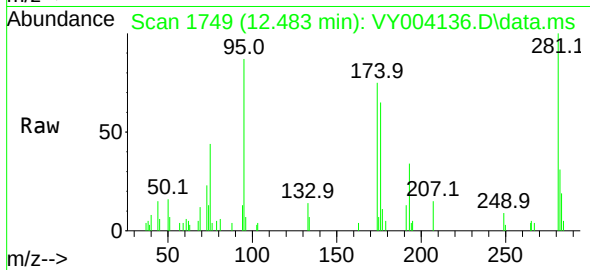
Tgt Ion:105 Resp: 288
Ion Ratio Lower Upper
105 100
120 35.8 24.1 72.2



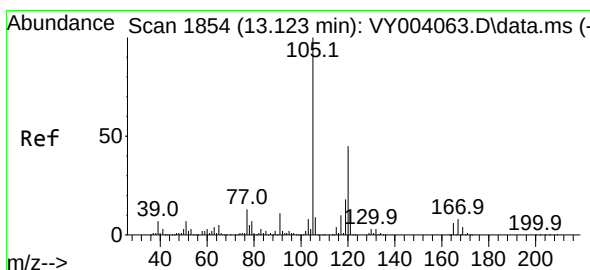
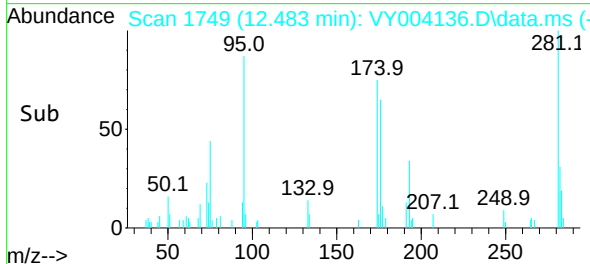
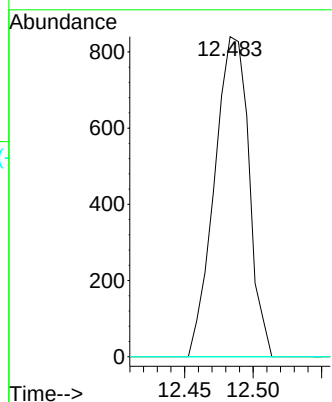


#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.05 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.097 min
 Lab File: VY004136.D
 Acq: 19 Mar 2021 14:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-08-031821



Tgt Ion: 75 Resp: 1471
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.5 110.3#
 89 0.0 35.7 53.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.08 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY004136.D
 Acq: 19 Mar 2021 14:01

Tgt Ion: 105 Resp: 275
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.1 66.3#

