

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031121\
 Data File : VY004078.D
 Acq On : 11 Mar 2021 15:41
 Operator : SY/MD
 Sample : M1609-01
 Misc : 5.78g/5mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 12 01:18:55 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)

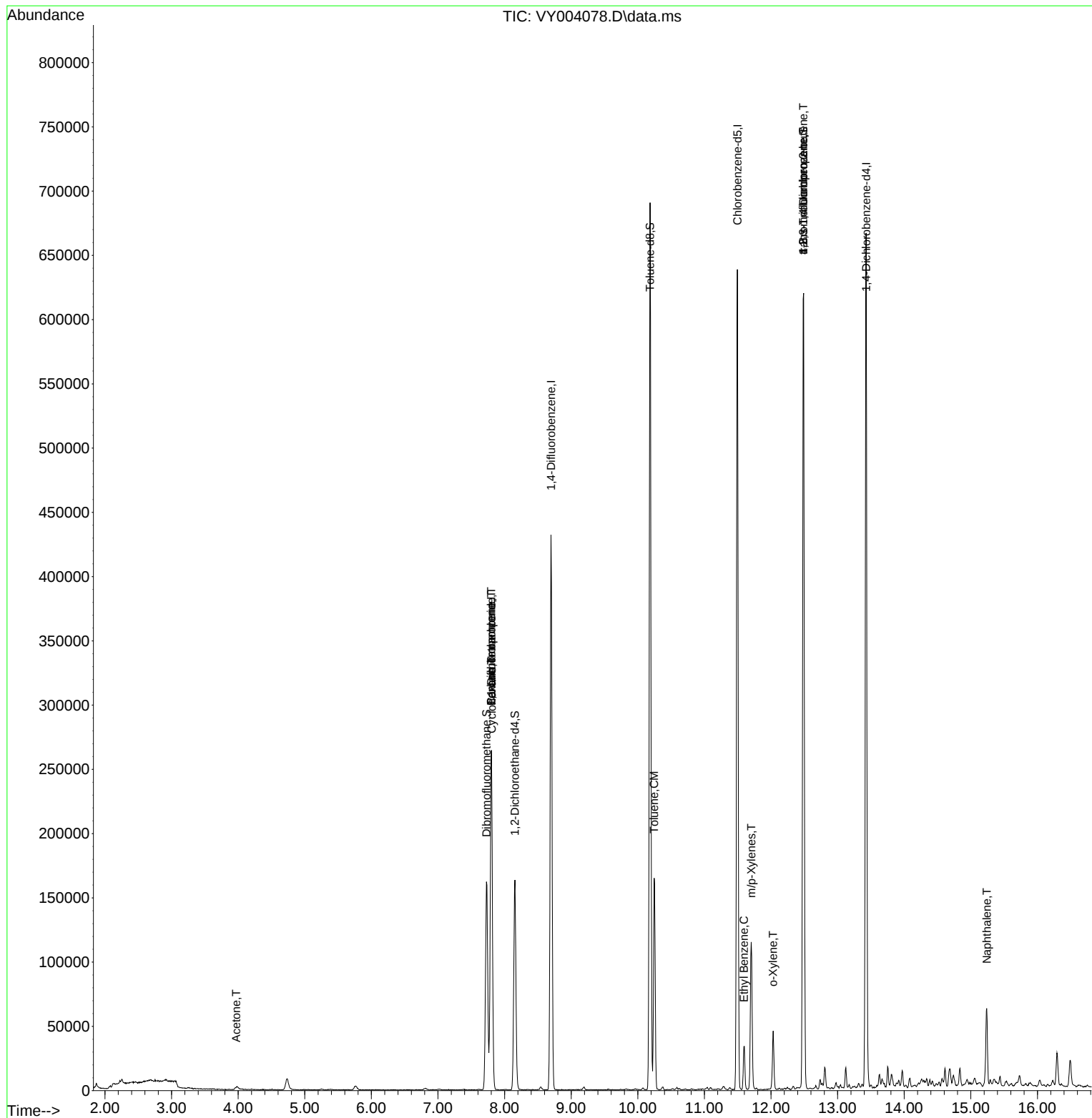
Internal Standards						
1) Pentafluorobenzene	7.801	168	208725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	366933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	346068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169643	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	124309	60.35	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.70%			
35) Dibromofluoromethane	7.728	113	113261	54.74	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.48%			
50) Toluene-d8	10.185	98	435530	53.69	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.38%			
62) 4-Bromofluorobenzene	12.483	95	161195	53.80	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.60%			
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	51	Below Cal	#	41
3) Chloromethane	2.113	50	638	Below Cal	#	46
16) Acetone	3.973	43	5769	11.60	ug/l	# 89
20) Methylene Chloride	4.729	84	6322	Below Cal		85
31) Cyclohexane	7.807	56	4823	1.33	ug/l	# 1
36) 1,1-Dichloropropene	7.801	75	15421	4.78	ug/l	# 50
38) Carbon Tetrachloride	7.801	117	20361	5.95	ug/l	# 16
52) Toluene	10.246	92	68397	11.63	ug/l	97
67) Ethyl Benzene	11.593	91	23423	1.92	ug/l	98
68) m/p-Xylenes	11.703	106	35161	7.57	ug/l	95
69) o-Xylene	12.032	106	11337	2.58	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	86243	53.02	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	86243	104.64	ug/l	# 13
95) Naphthalene	15.239	128	50676	8.09	ug/l	99

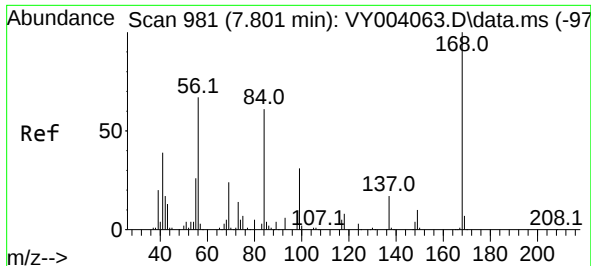
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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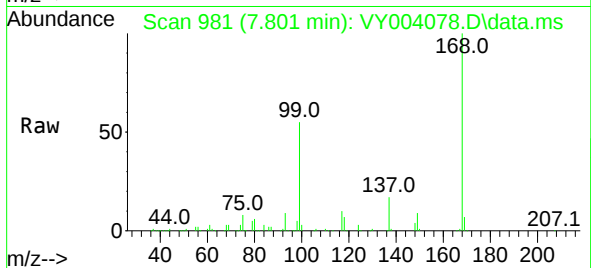
Quant Time: Mar 12 01:18:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 08 12:28:55 2021
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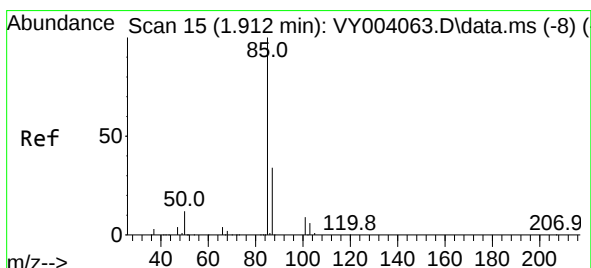
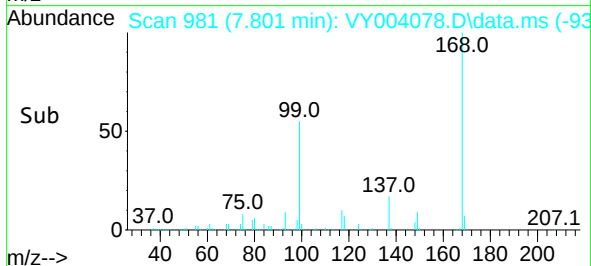
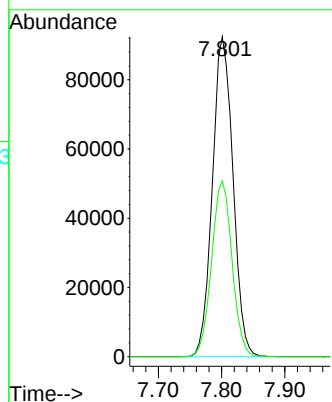


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

Instrument :
MSVOA_Y
ClientSampled :

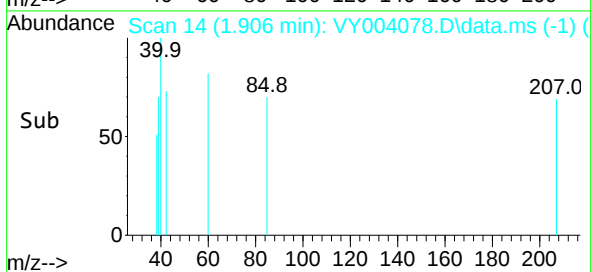
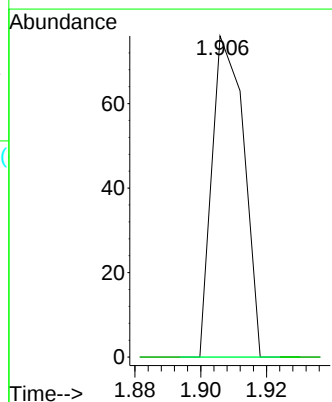
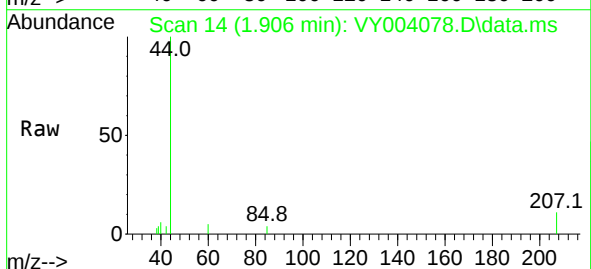


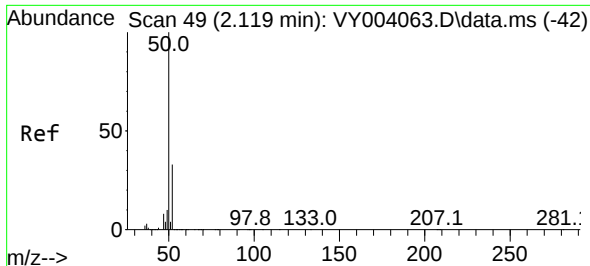
Tgt Ion:168 Resp: 208725
Ion Ratio Lower Upper
168 100
99 54.9 41.2 61.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

Tgt Ion: 85 Resp: 51
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#

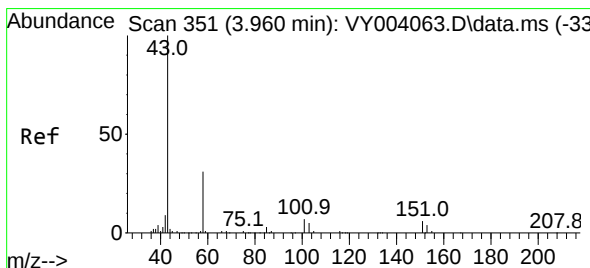
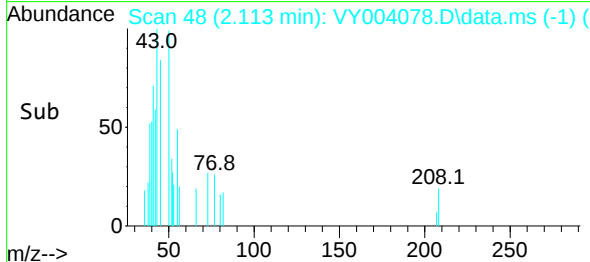
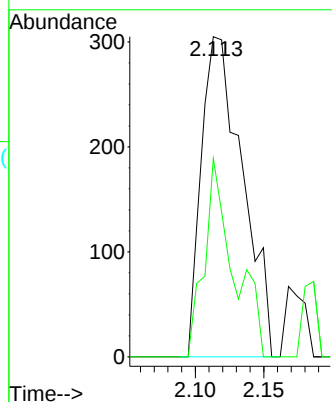
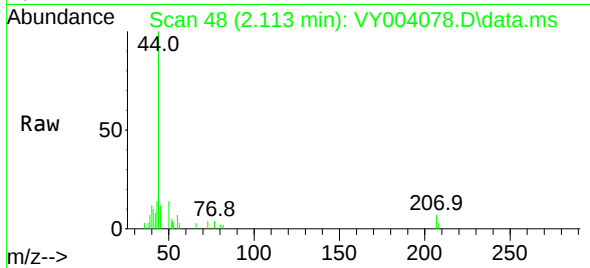




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

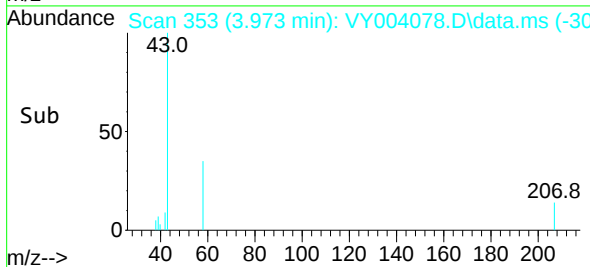
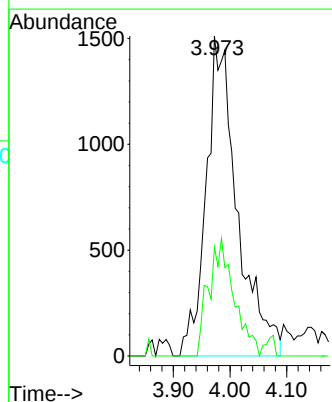
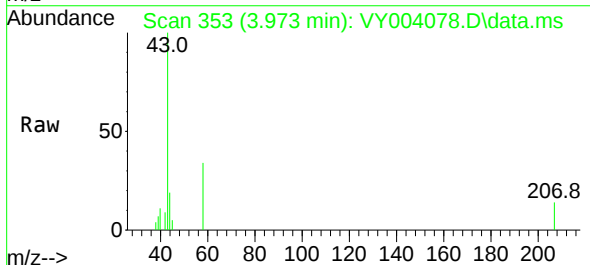
Instrument :
MSVOA_Y
ClientSampled :

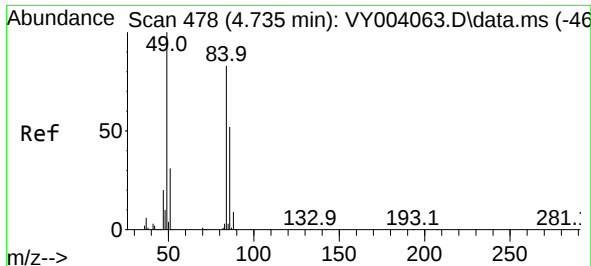
Tgt Ion: 50 Resp: 638
Ion Ratio Lower Upper
50 100
52 62.0 25.4 38.2#



#16
Acetone
Concen: 11.60 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.013 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

Tgt Ion: 43 Resp: 5769
Ion Ratio Lower Upper
43 100
58 34.0 22.6 34.0#





#20

Methylene Chloride

Concen: Below Cal

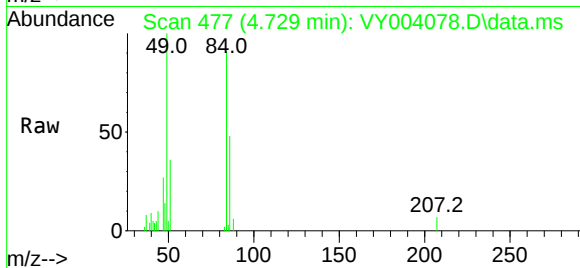
RT: 4.729 min Scan# 477

Delta R.T. -0.006 min

Lab File: VY004078.D

Acq: 11 Mar 2021 15:41

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 84 Resp: 6322

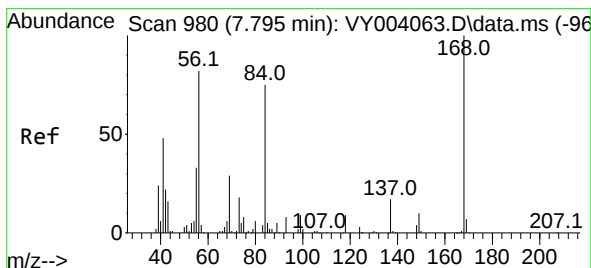
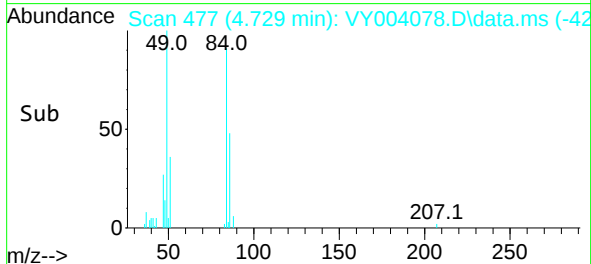
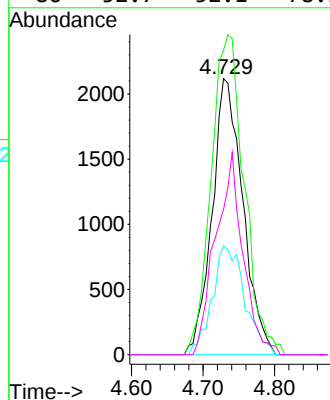
Ion Ratio Lower Upper

84 100

49 110.3 105.8 158.6

51 39.5 32.6 48.8

86 52.7 52.1 78.1



#31

Cyclohexane

Concen: 1.33 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY004078.D

Acq: 11 Mar 2021 15:41

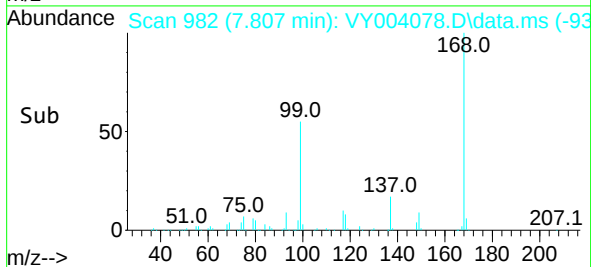
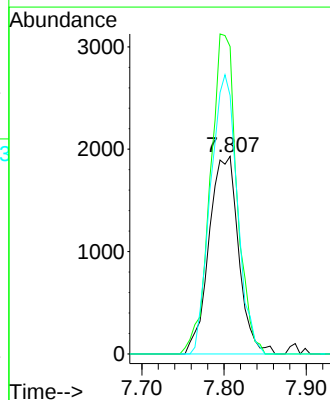
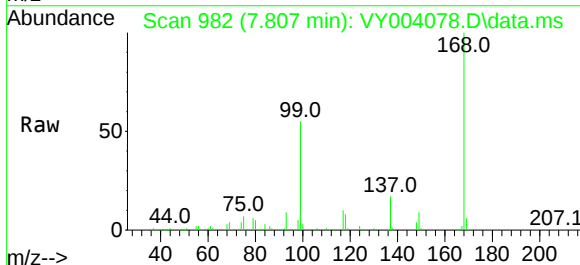
Tgt Ion: 56 Resp: 4823

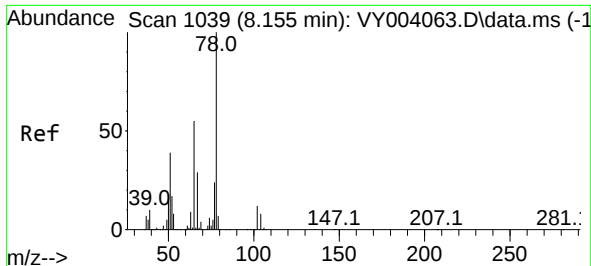
Ion Ratio Lower Upper

56 100

69 155.5 25.3 37.9#

84 130.8 67.3 100.9#

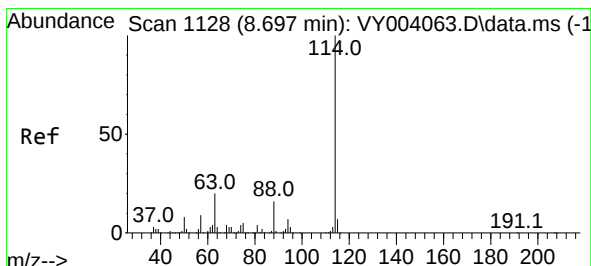
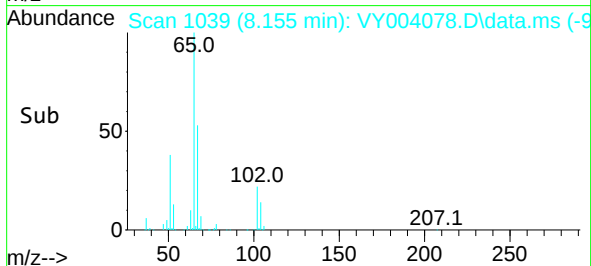
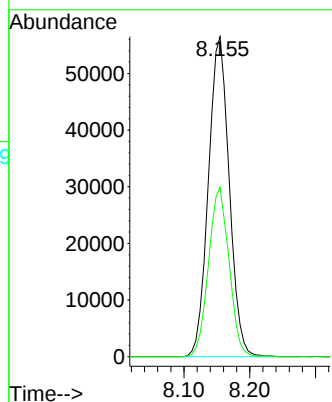
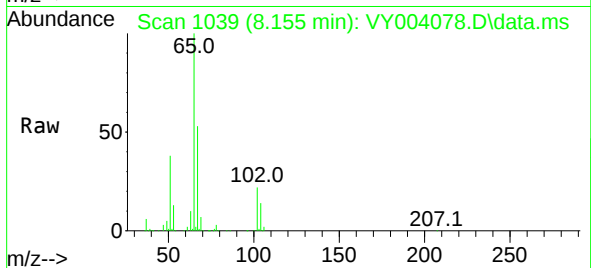




#33
1,2-Dichloroethane-d4
Concen: 60.35 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

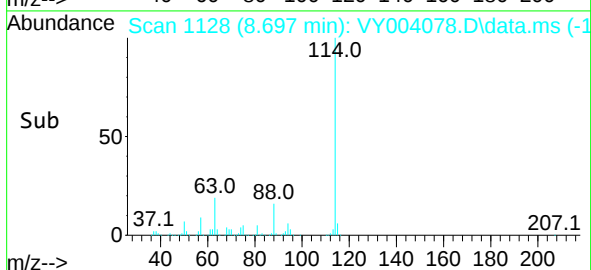
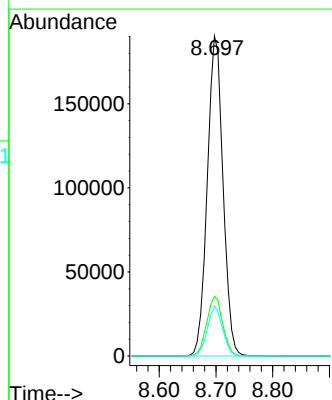
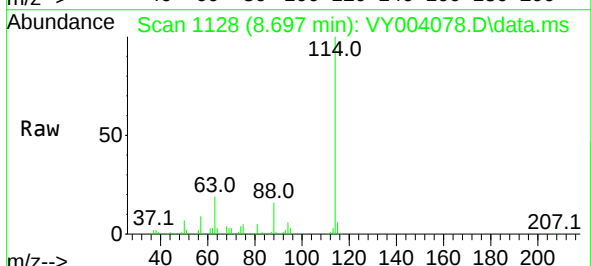
Instrument :
MSVOA_Y
ClientSampleId :

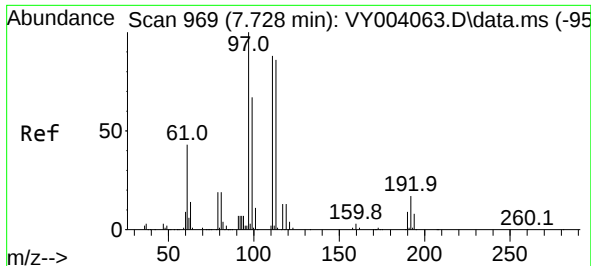
Tgt Ion: 65 Resp: 124309
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

Tgt Ion:114 Resp: 366933
Ion Ratio Lower Upper
114 100
63 18.6 0.0 41.6
88 15.7 0.0 31.4

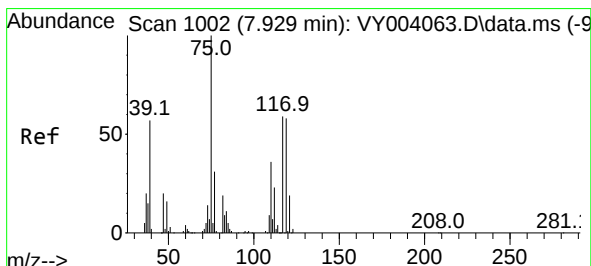
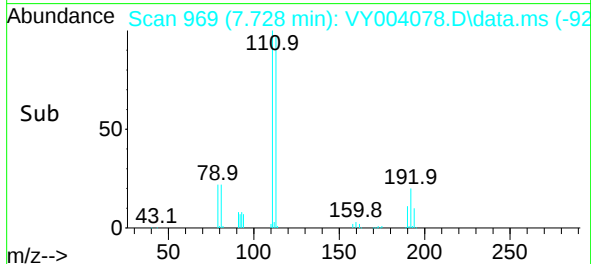
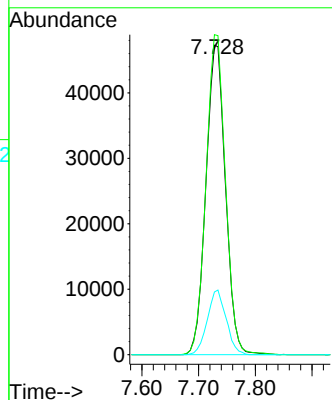
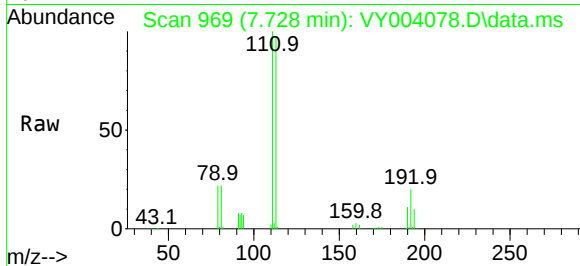




#35
Dibromofluoromethane
Concen: 54.74 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

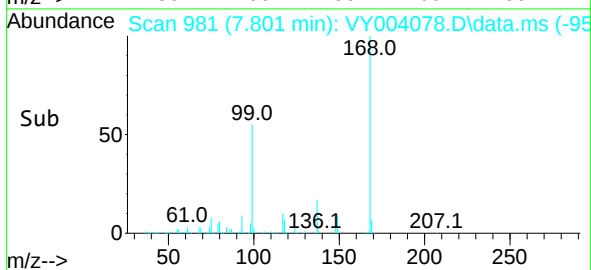
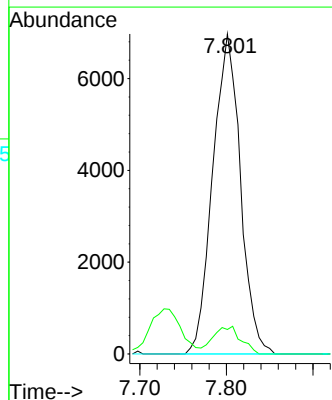
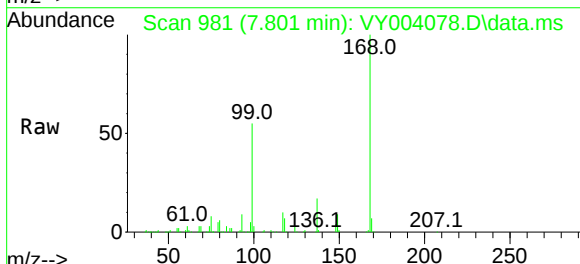
Instrument :
MSVOA_Y
ClientSampleId :

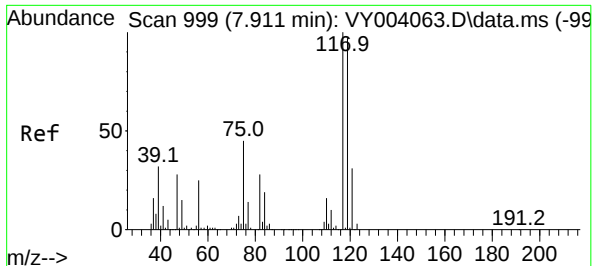
Tgt Ion:113 Resp: 113261
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 20.1 18.5 27.7



#36
1,1-Dichloropropene
Concen: 4.78 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

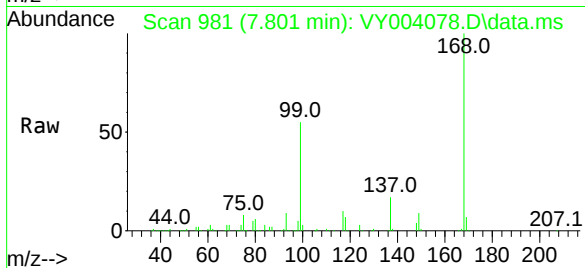
Tgt Ion: 75 Resp: 15421
Ion Ratio Lower Upper
75 100
110 8.6 17.4 52.3#
77 0.0 24.5 36.7#



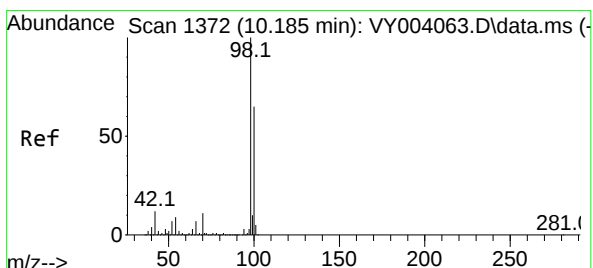
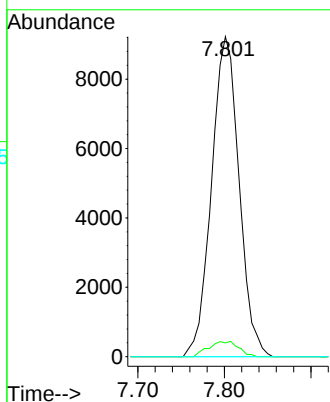
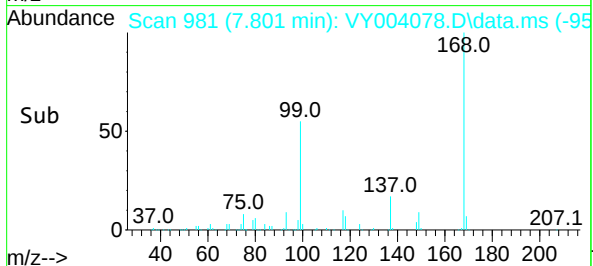


#38
Carbon Tetrachloride
Concen: 5.95 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

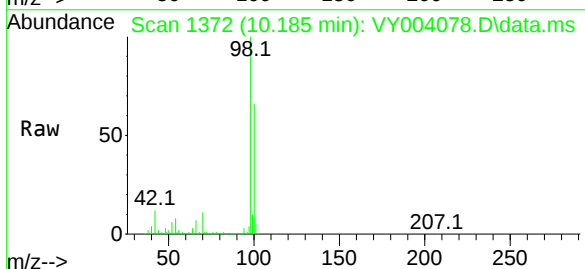
Instrument :
MSVOA_Y
ClientSampled :



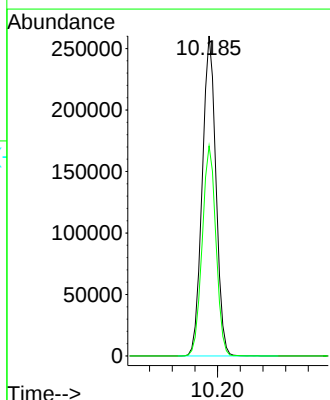
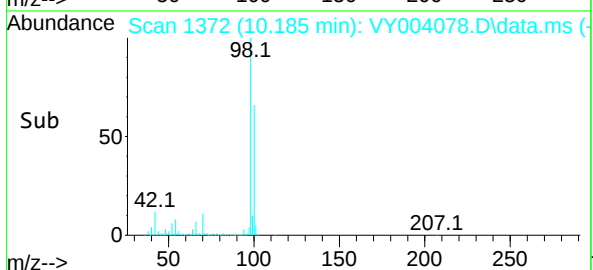
Tgt Ion:117 Resp: 20361
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.0#
121 0.0 24.2 36.2#

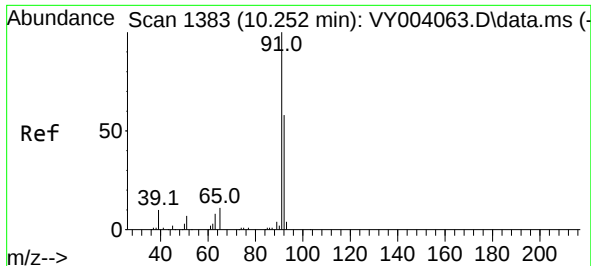


#50
Toluene-d8
Concen: 53.69 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41



Tgt Ion: 98 Resp: 435530
Ion Ratio Lower Upper
98 100
100 65.9 51.8 77.6

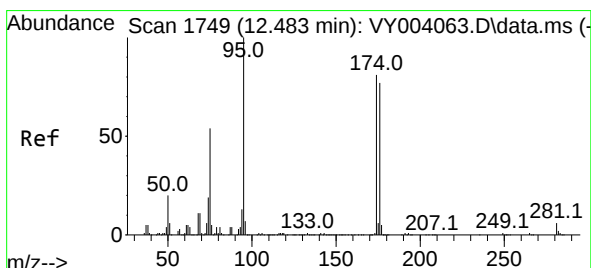
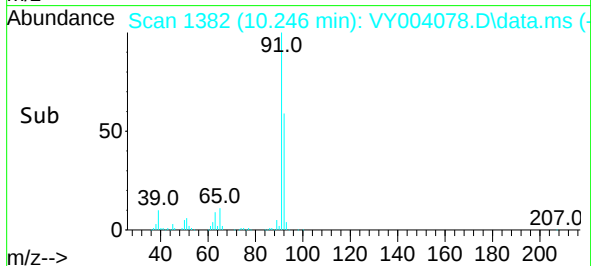
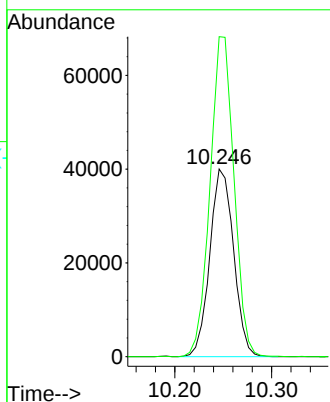
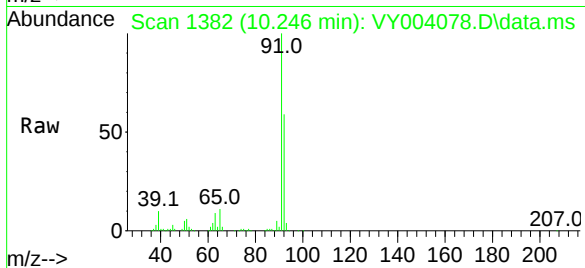




#52
Toluene
Concen: 11.63 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

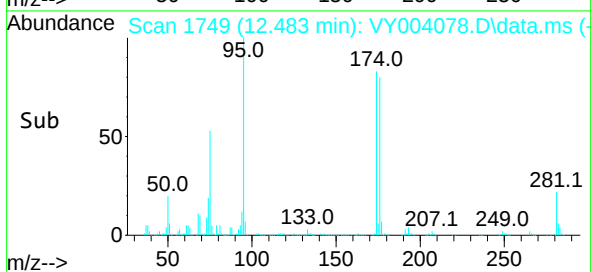
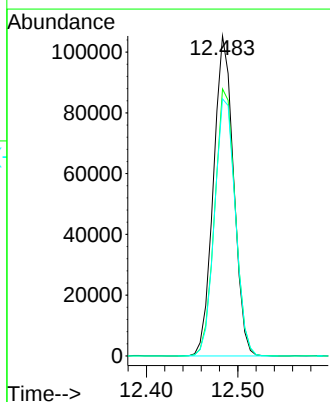
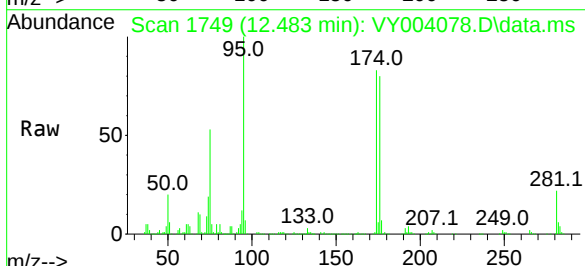
Instrument :
MSVOA_Y
ClientSampleId :

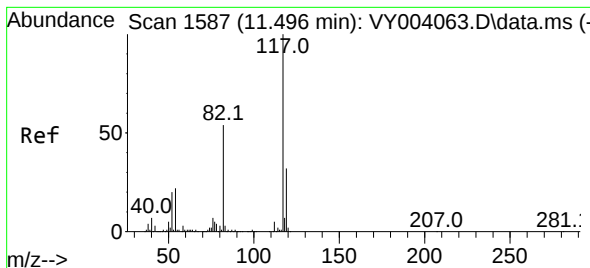
Tgt Ion: 92 Resp: 68397
Ion Ratio Lower Upper
92 100
91 171.6 141.0 211.4



#62
4-Bromofluorobenzene
Concen: 53.80 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

Tgt Ion: 95 Resp: 161195
Ion Ratio Lower Upper
95 100
174 84.8 0.0 179.0
176 82.9 0.0 174.4

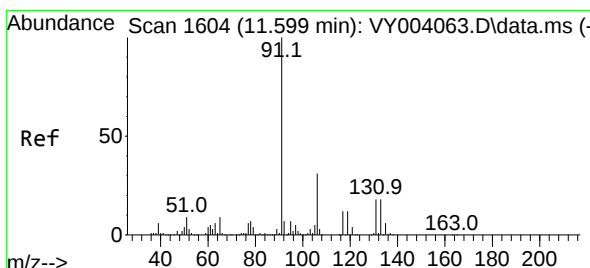
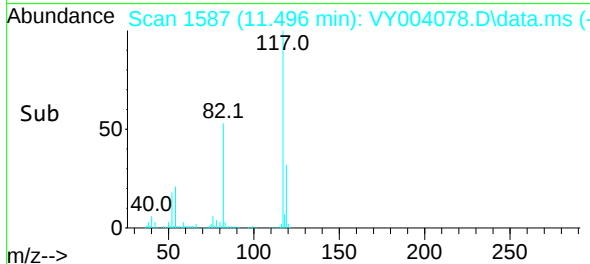
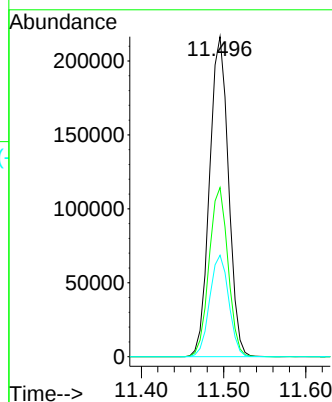
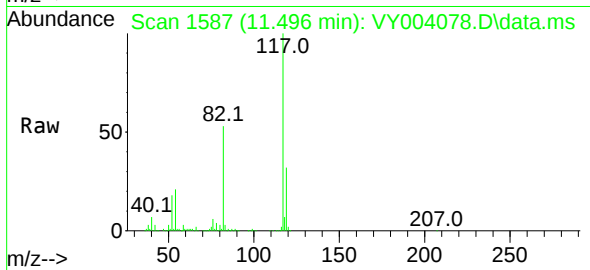




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

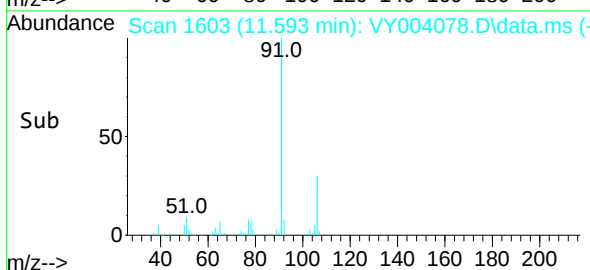
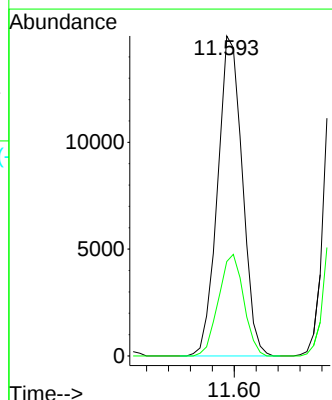
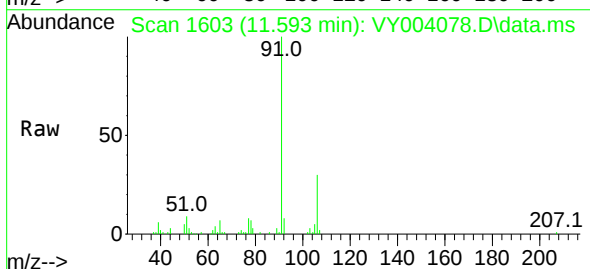
Instrument :
MSVOA_Y
ClientSampled :

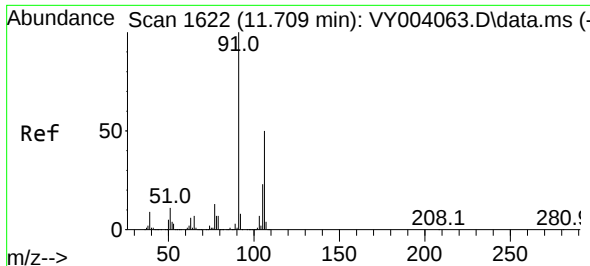
Tgt Ion:117 Resp: 346068
Ion Ratio Lower Upper
117 100
82 52.9 43.8 65.6
119 31.7 26.2 39.2



#67
Ethyl Benzene
Concen: 1.92 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

Tgt Ion: 91 Resp: 23423
Ion Ratio Lower Upper
91 100
106 29.5 24.5 36.7

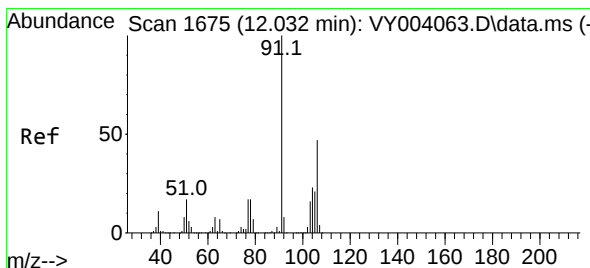
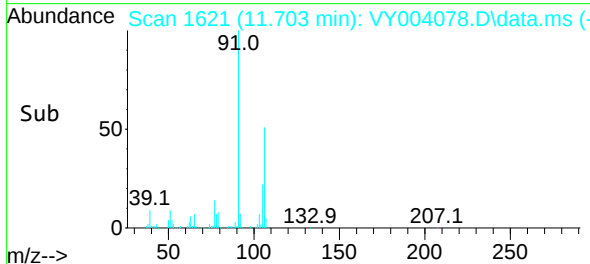
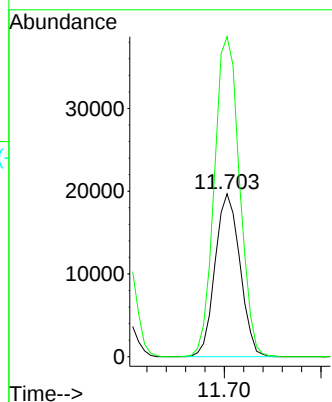
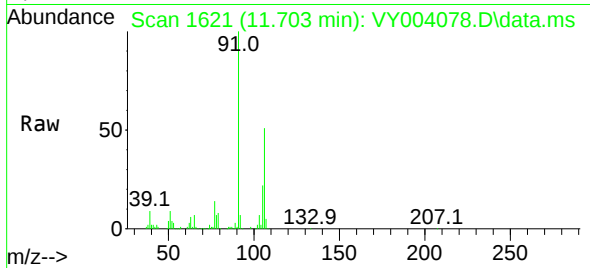




#68
m/p-Xylenes
Concen: 7.57 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

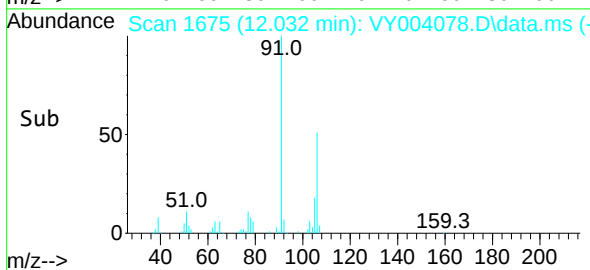
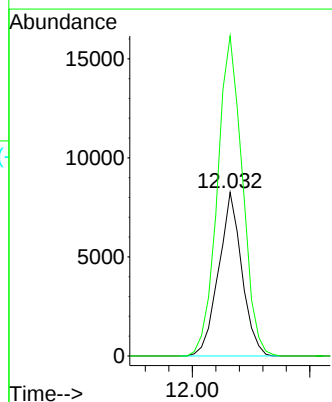
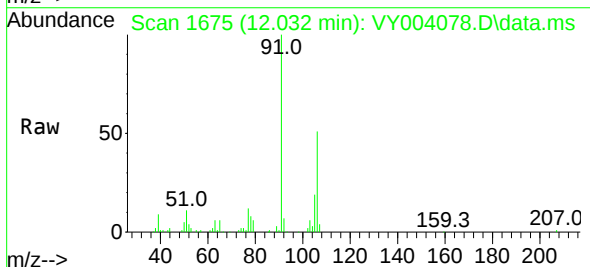
Instrument :
MSVOA_Y
ClientSampleId :

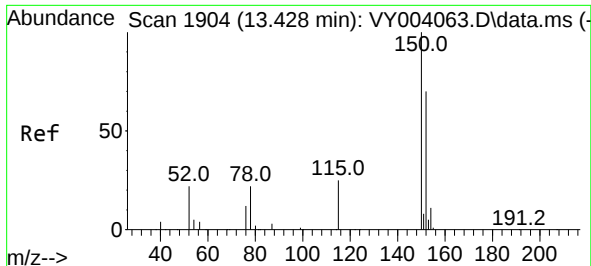
Tgt Ion:106 Resp: 35161
Ion Ratio Lower Upper
106 100
91 199.0 165.4 248.0



#69
o-Xylene
Concen: 2.58 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

Tgt Ion:106 Resp: 11337
Ion Ratio Lower Upper
106 100
91 211.0 108.9 326.7

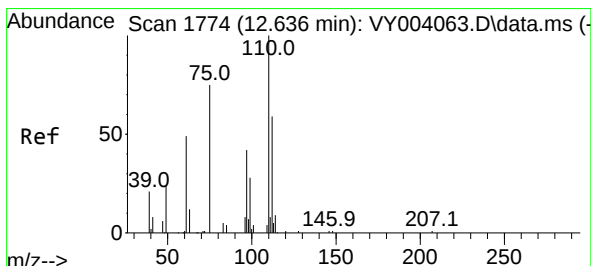
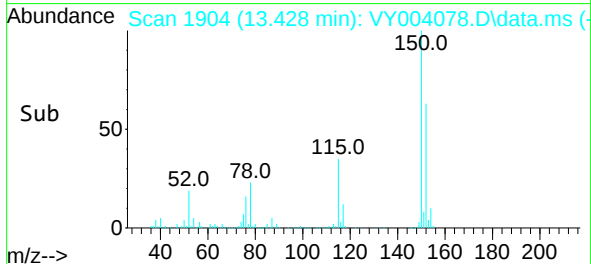
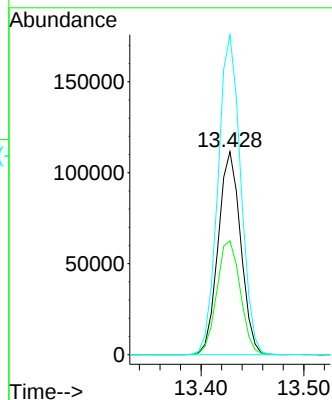
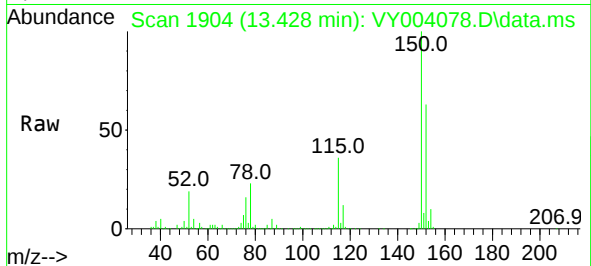




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

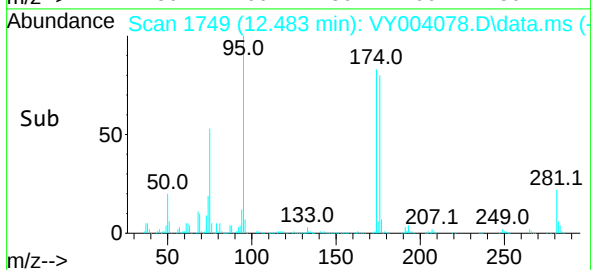
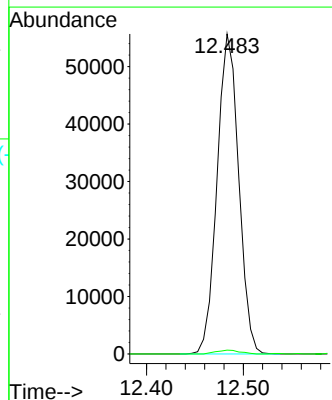
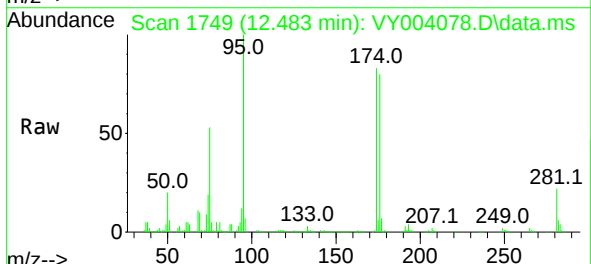
Instrument :
MSVOA_Y
ClientSampled :

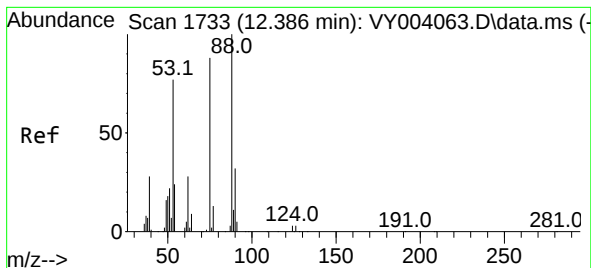
Tgt Ion:152 Resp: 169643
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.6
150 158.8 0.0 347.2



#76
1,2,3-Trichloropropane
Concen: 53.02 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

Tgt Ion: 75 Resp: 86243
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

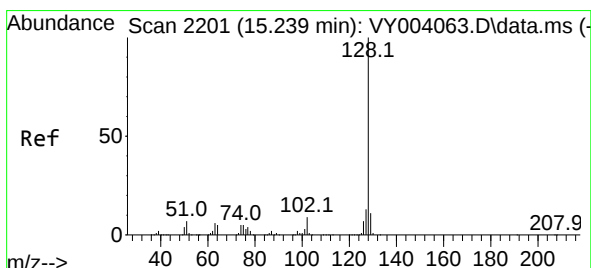
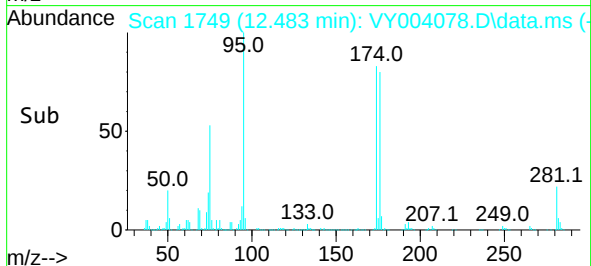
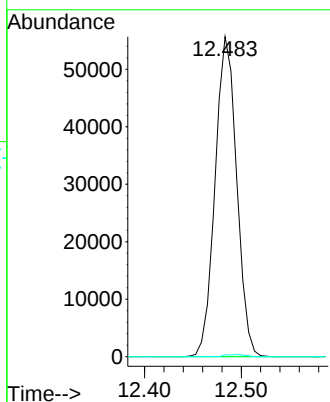
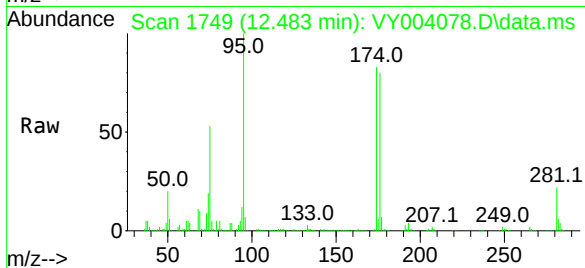




#81
trans-1,4-Dichloro-2-butene
Concen: 104.64 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 86243
Ion Ratio Lower Upper
75 100
53 0.0 73.5 110.3#
89 0.7 35.7 53.5#



#95
Naphthalene
Concen: 8.09 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004078.D
Acq: 11 Mar 2021 15:41

Tgt Ion: 128 Resp: 50676
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 11.0 8.7 13.1

