

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031821\
 Data File : VY004120.D
 Acq On : 18 Mar 2021 14:36
 Operator : SY/MD
 Sample : M1713-01
 Misc : 5.02g/5mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 19 01:43:05 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)

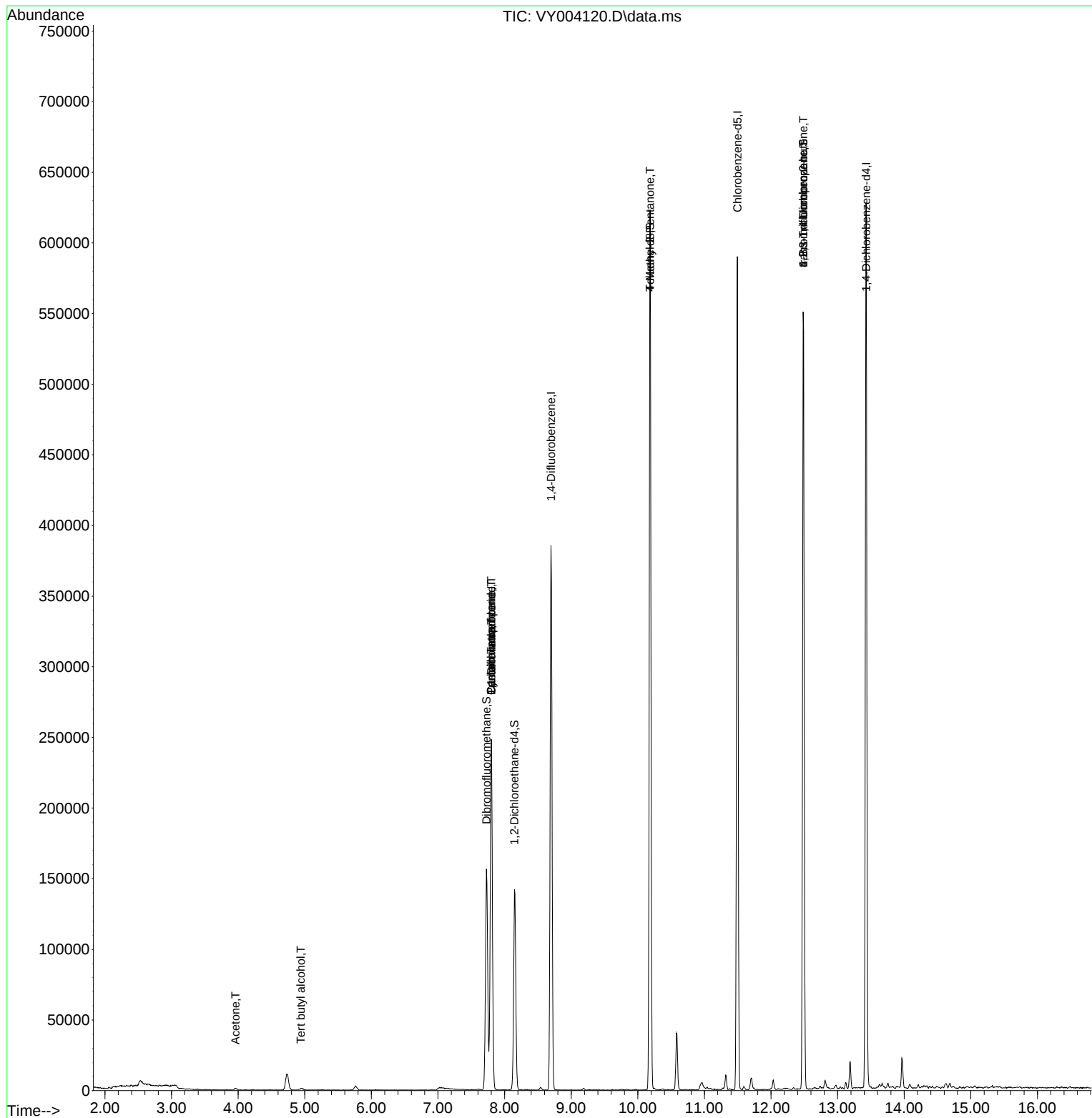
Internal Standards						
1) Pentafluorobenzene	7.801	168	194054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	339026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	324417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	159039	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	110068	57.48	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.96%
35) Dibromofluoromethane	7.728	113	105212	55.03	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.06%
50) Toluene-d8	10.185	98	403985	53.90	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.80%
62) 4-Bromofluorobenzene	12.483	95	150417	54.34	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.68%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	25	Below Cal	#	41
3) Chloromethane	2.113	50	418	Below Cal	#	80
11) Tert butyl alcohol	4.942	59	873	5.04	ug/l #	76
16) Acetone	3.960	43	2155	4.66	ug/l	93
20) Methylene Chloride	4.735	84	9023	Below Cal		86
31) Cyclohexane	7.801	56	4010	1.19	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	13990	4.70	ug/l #	50
38) Carbon Tetrachloride	7.801	117	19071	6.04	ug/l #	17
51) 4-Methyl-2-Pentanone	10.185	43	1885	1.16	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	79521	52.15	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	79521	102.92	ug/l #	13

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

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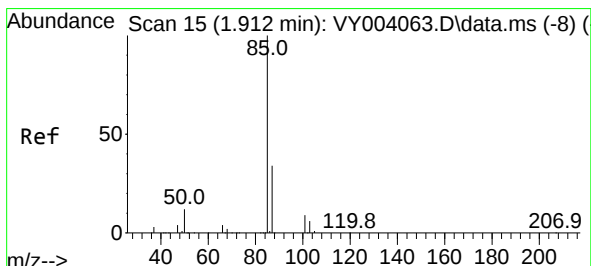
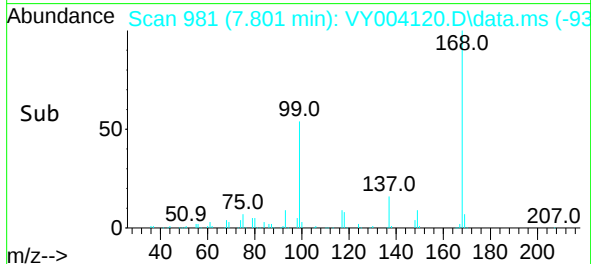
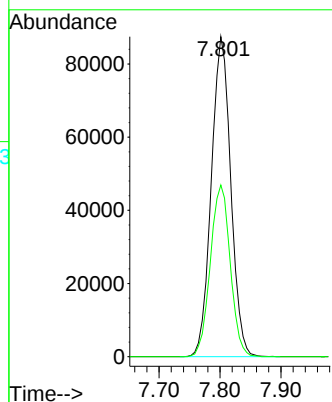
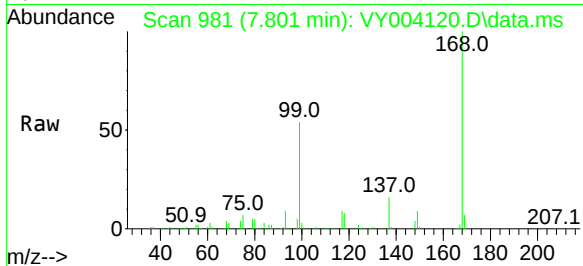




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

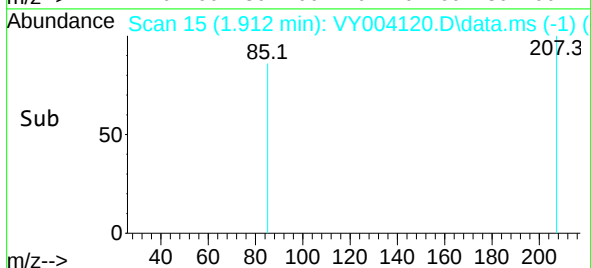
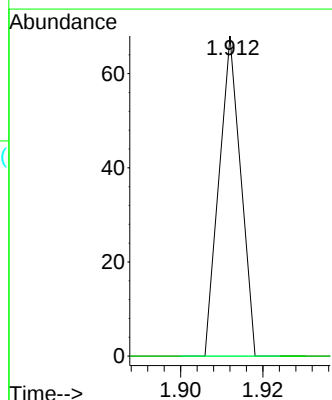
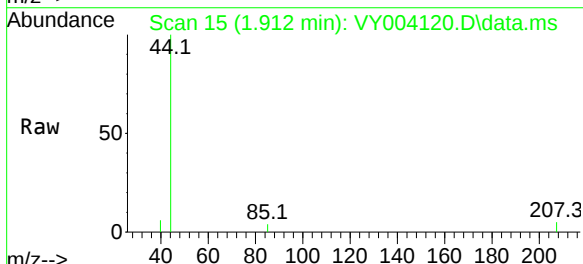
Instrument :
MSVOA_Y
ClientSampleId :

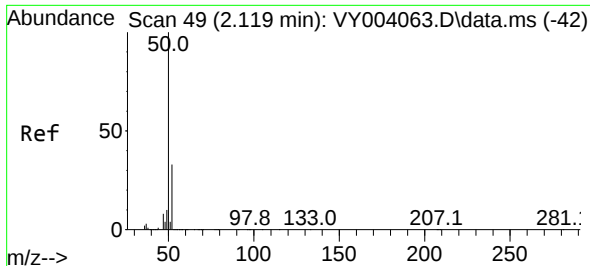
Tgt Ion:168 Resp: 194054
Ion Ratio Lower Upper
168 100
99 53.7 41.2 61.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

Tgt Ion: 85 Resp: 25
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#

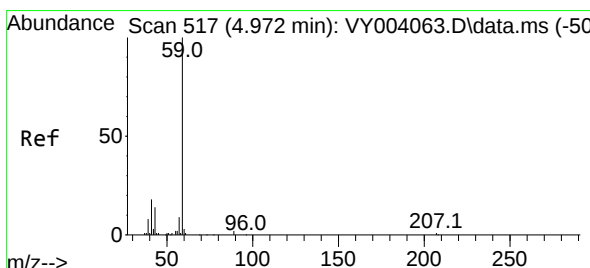
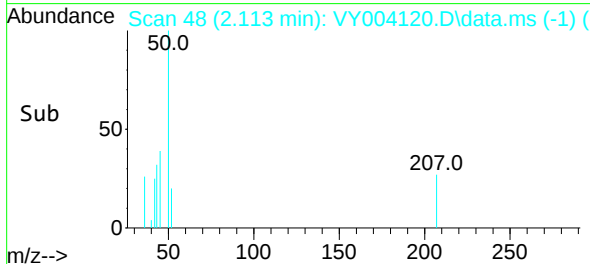
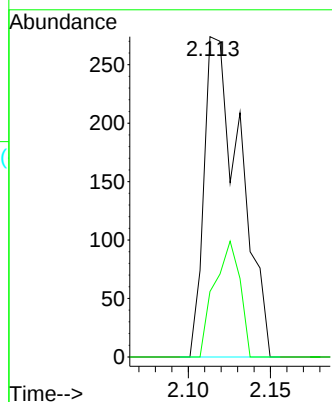
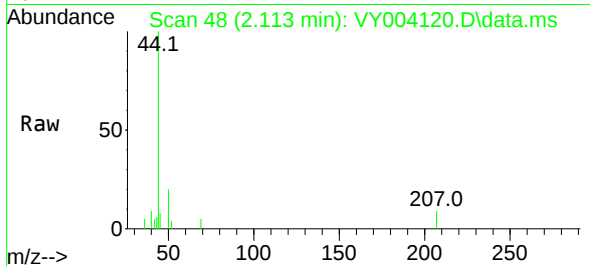




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

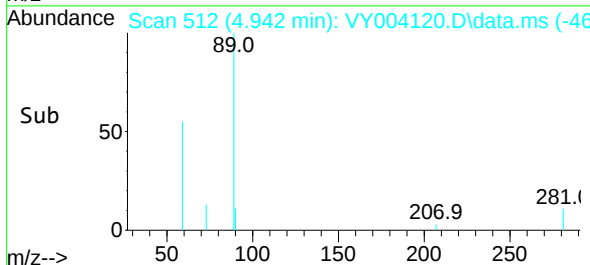
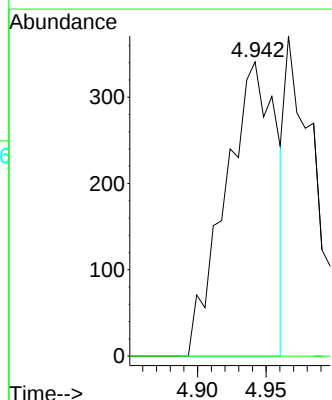
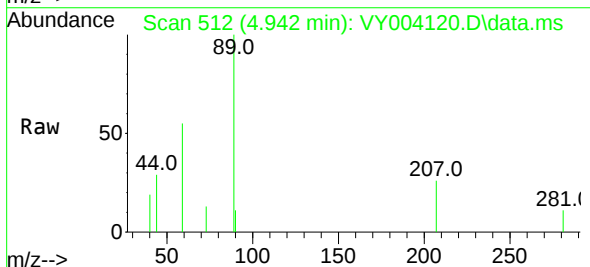
Instrument :
MSVOA_Y
ClientSampled :

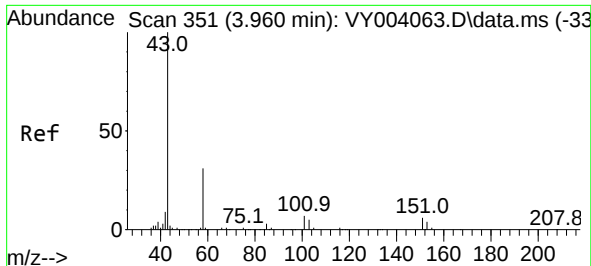
Tgt Ion: 50 Resp: 418
Ion Ratio Lower Upper
50 100
52 20.4 25.4 38.2#



#11
Tert butyl alcohol
Concen: 5.04 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

Tgt Ion: 59 Resp: 873
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

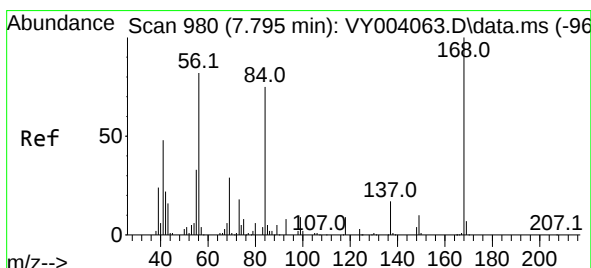
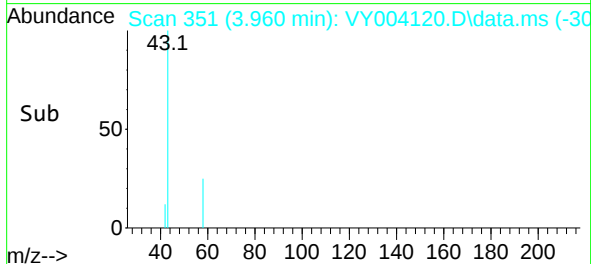
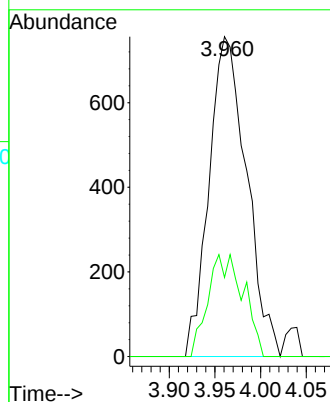
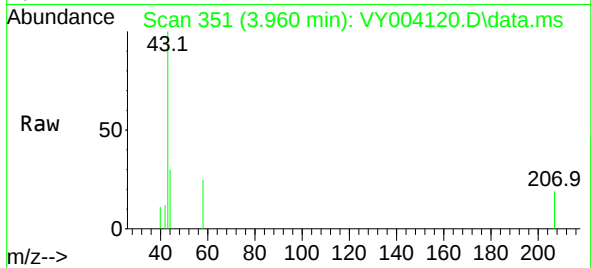




#16
Acetone
Concen: 4.66 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

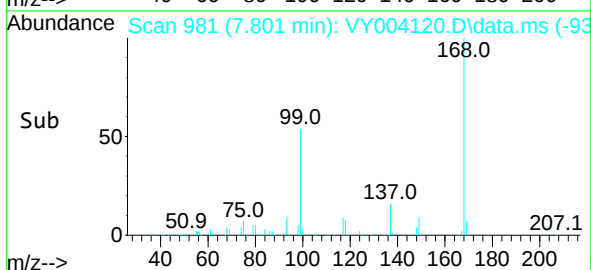
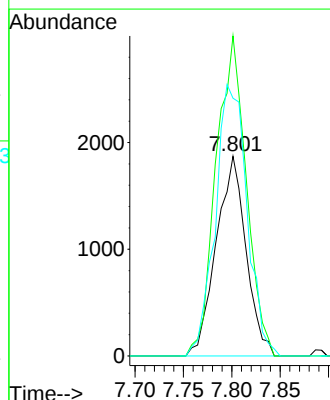
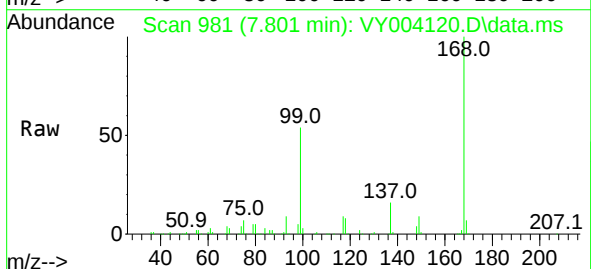
Instrument :
MSVOA_Y
ClientSampled :

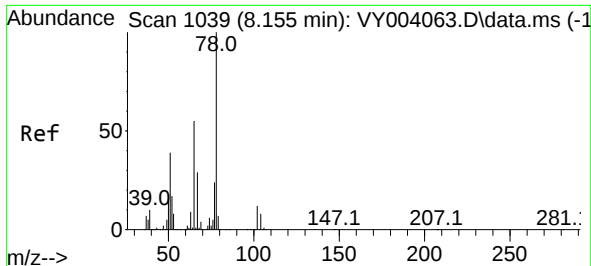
Tgt Ion: 43 Resp: 2155
Ion Ratio Lower Upper
43 100
58 24.7 22.6 34.0



#31
Cyclohexane
Concen: 1.19 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

Tgt Ion: 56 Resp: 4010
Ion Ratio Lower Upper
56 100
69 160.2 25.3 37.9#
84 129.0 67.3 100.9#

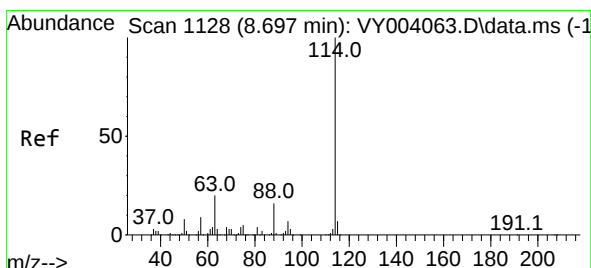
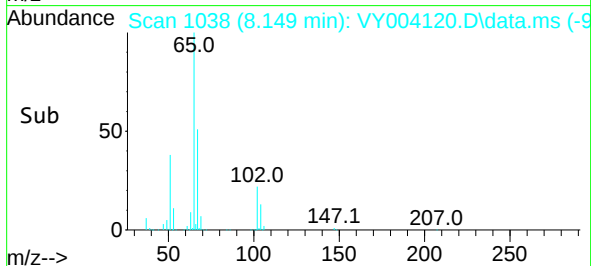
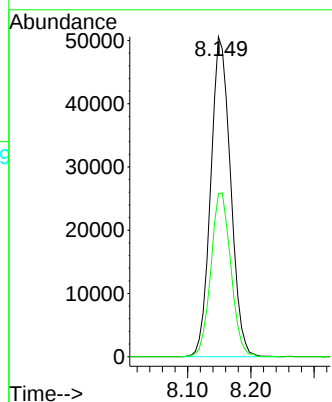
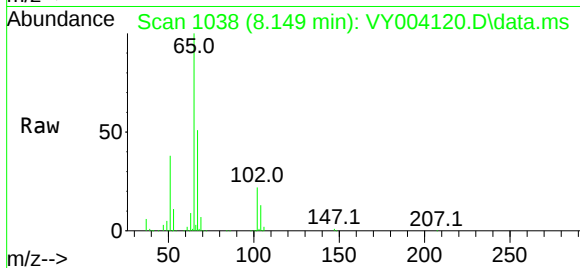




#33
 1,2-Dichloroethane-d4
 Concen: 57.48 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.006 min
 Lab File: VY004120.D
 Acq: 18 Mar 2021 14:36

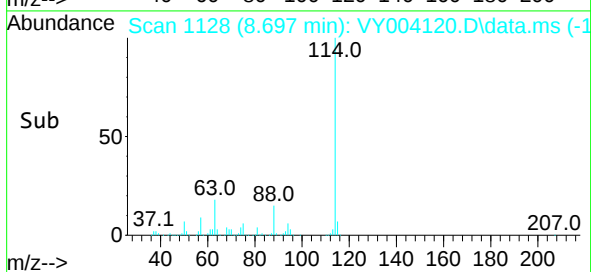
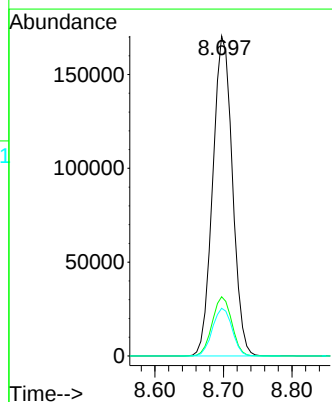
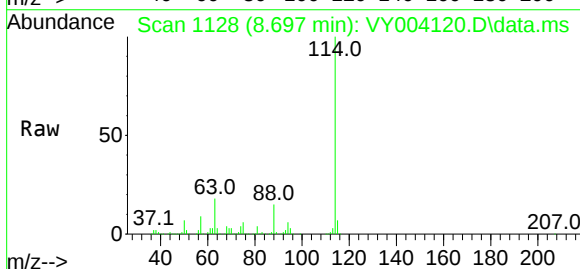
Instrument :
 MSVOA_Y
 ClientSampled :

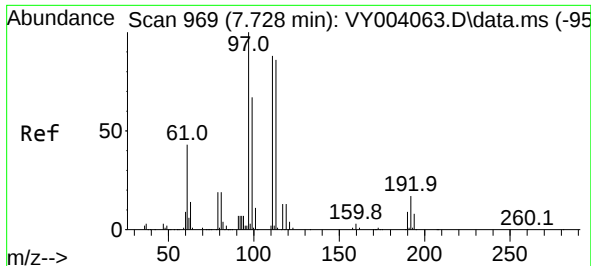
Tgt Ion: 65 Resp: 110068
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY004120.D
 Acq: 18 Mar 2021 14:36

Tgt Ion: 114 Resp: 339026
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 41.6
 88 14.9 0.0 31.4

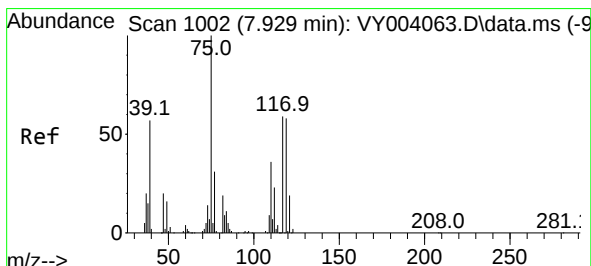
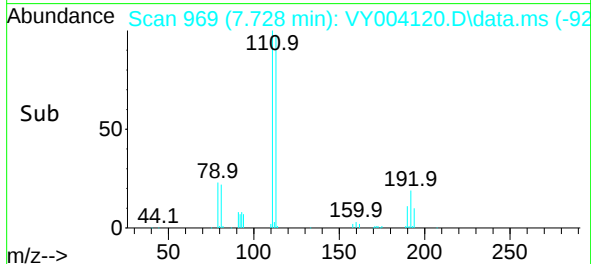
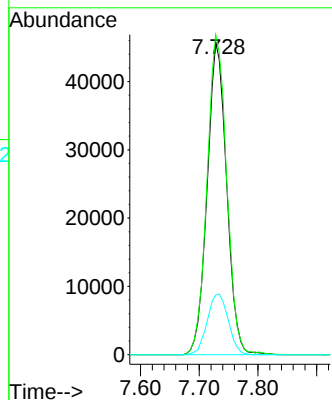
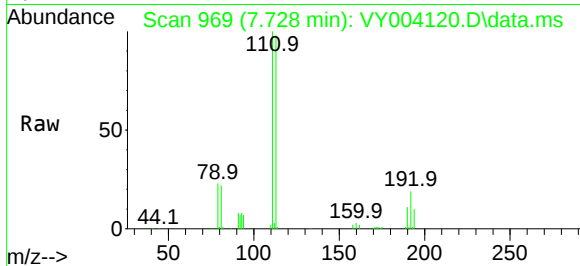




#35
Dibromofluoromethane
Concen: 55.03 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

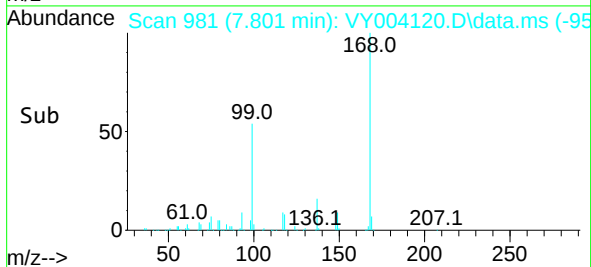
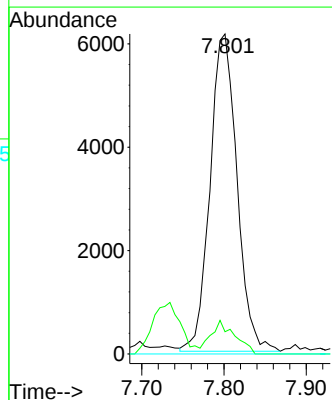
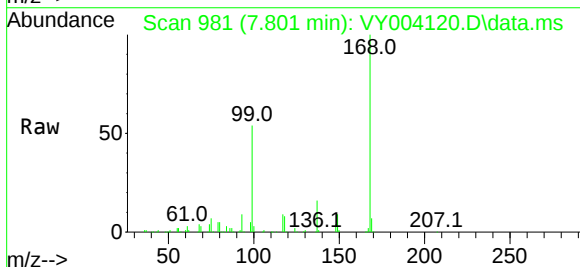
Instrument :
MSVOA_Y
ClientSampleId :

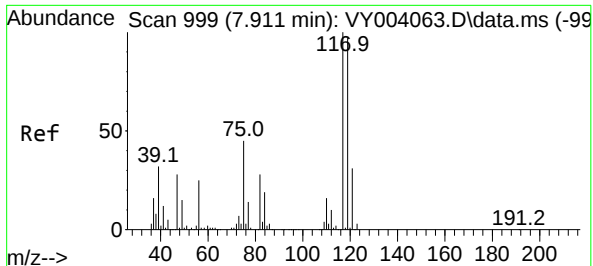
Tgt Ion:113 Resp: 105212
Ion Ratio Lower Upper
113 100
111 104.1 83.2 124.8
192 20.9 18.5 27.7



#36
1,1-Dichloropropene
Concen: 4.70 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

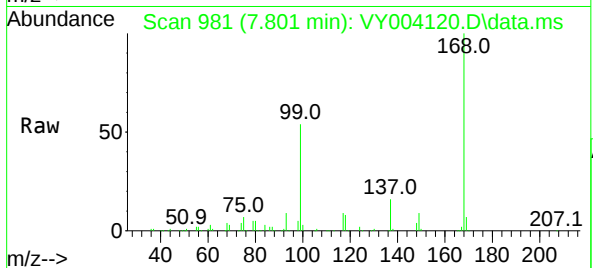
Tgt Ion: 75 Resp: 13990
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.0 24.5 36.7#



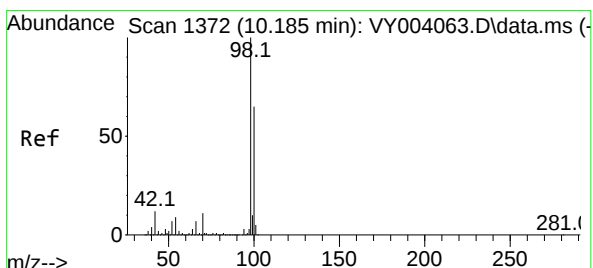
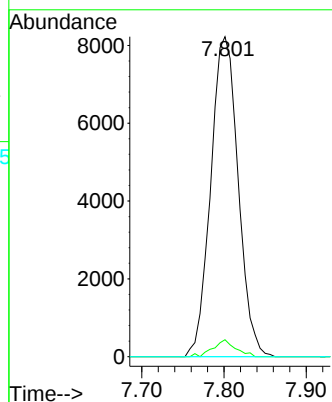
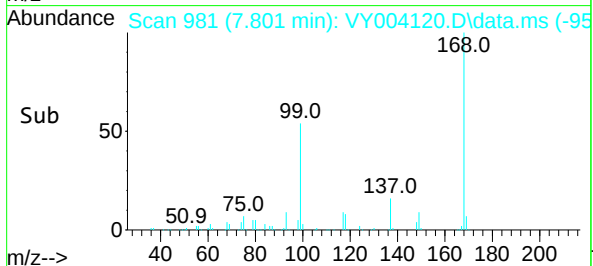


#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

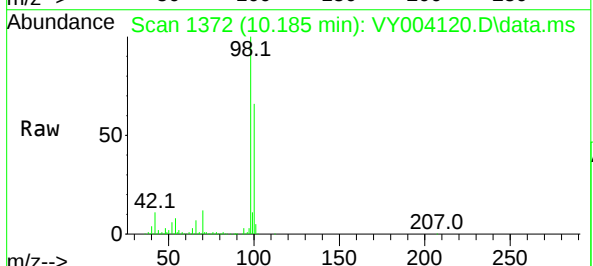
Instrument :
MSVOA_Y
ClientSampled :



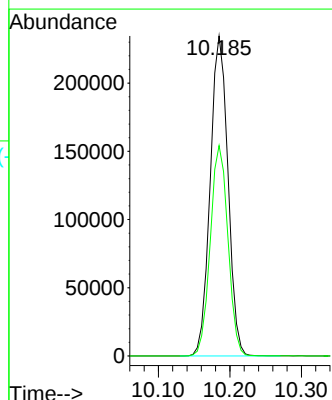
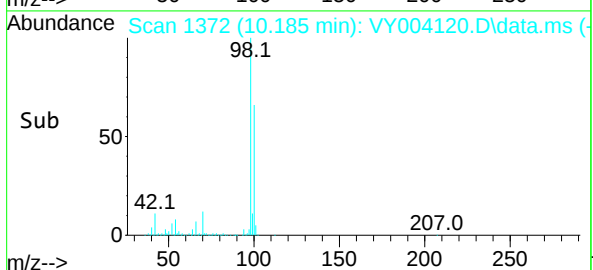
Tgt Ion:117 Resp: 19071
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.0#
121 0.0 24.2 36.2#

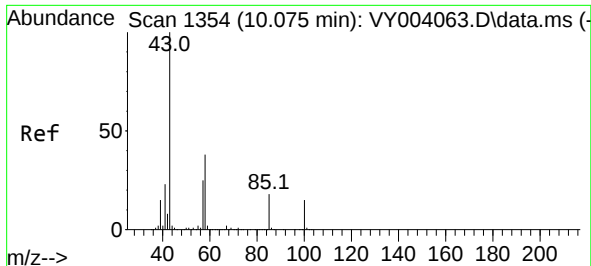


#50
Toluene-d8
Concen: 53.90 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36



Tgt Ion: 98 Resp: 403985
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6

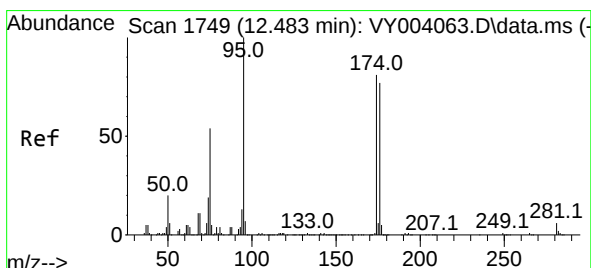
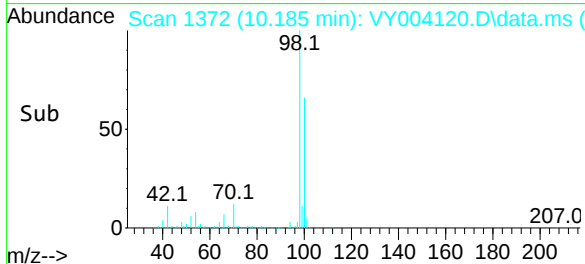
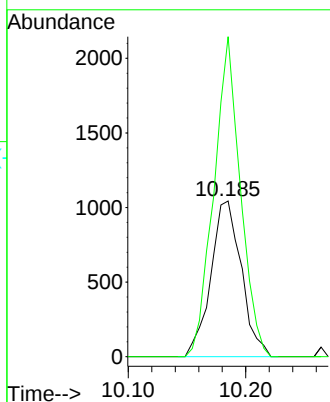
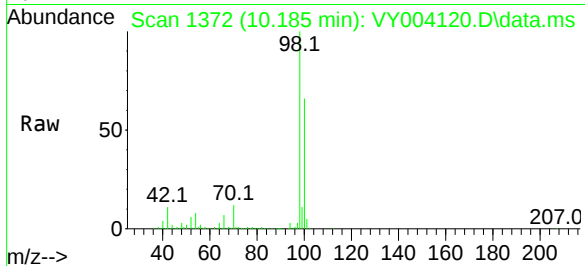




#51
4-Methyl-2-Pentanone
Concen: 1.16 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

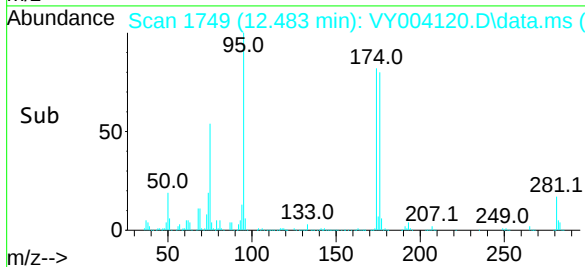
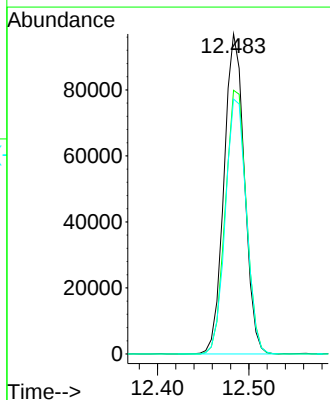
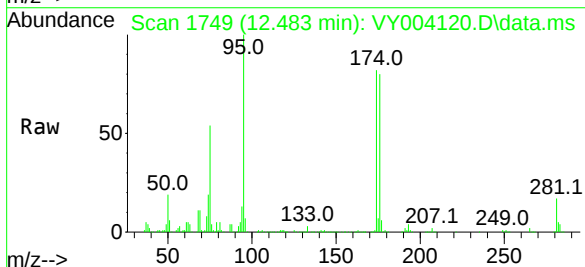
Instrument :
MSVOA_Y
ClientSampled :

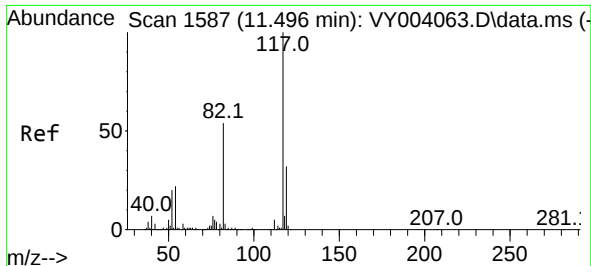
Tgt Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
58 179.2 29.8 44.8#



#62
4-Bromofluorobenzene
Concen: 54.34 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

Tgt Ion: 95 Resp: 150417
Ion Ratio Lower Upper
95 100
174 84.8 0.0 179.0
176 82.1 0.0 174.4

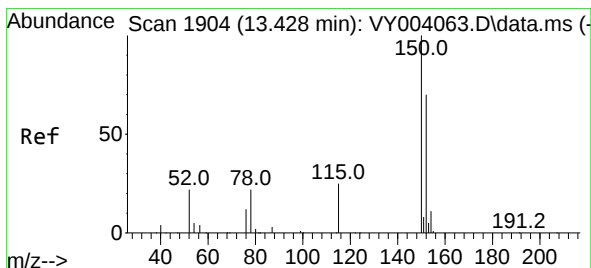
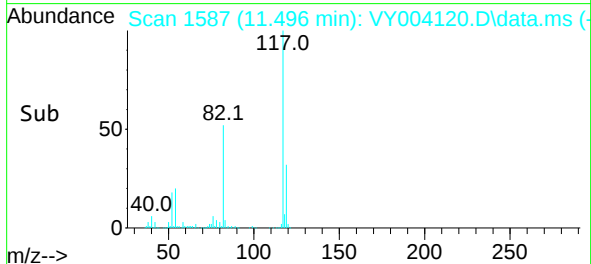
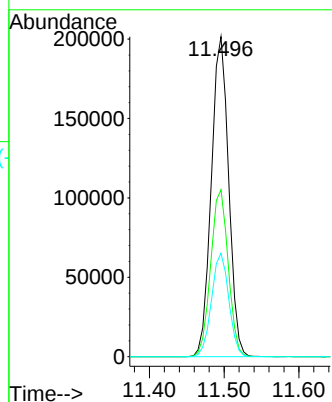
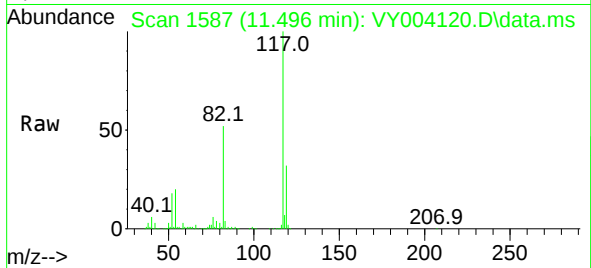




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

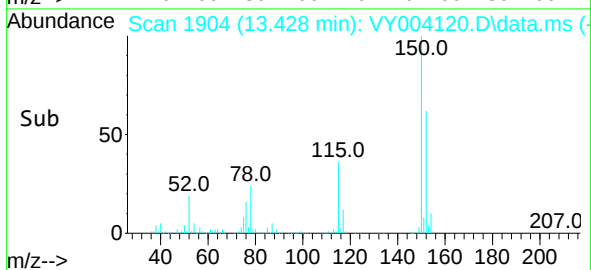
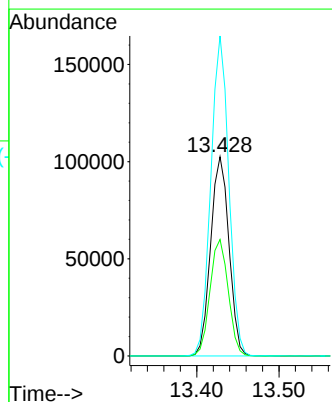
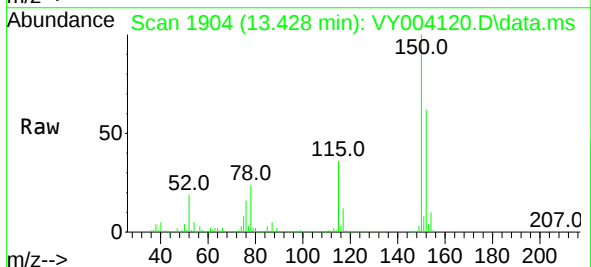
Instrument :
MSVOA_Y
ClientSampleId :

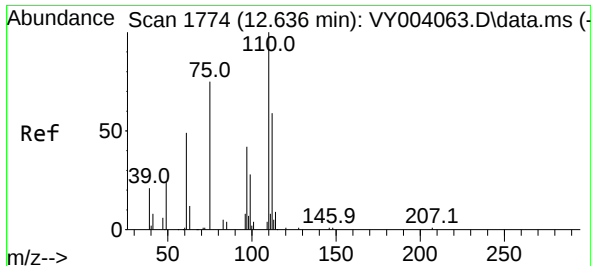
Tgt Ion:117 Resp: 324417
Ion Ratio Lower Upper
117 100
82 52.2 43.8 65.6
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

Tgt Ion:152 Resp: 159039
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.6
150 157.5 0.0 347.2

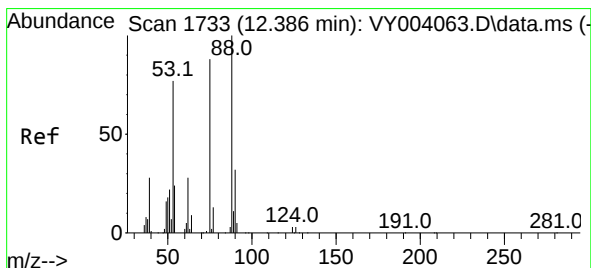
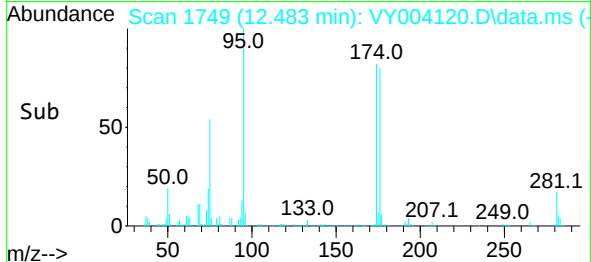
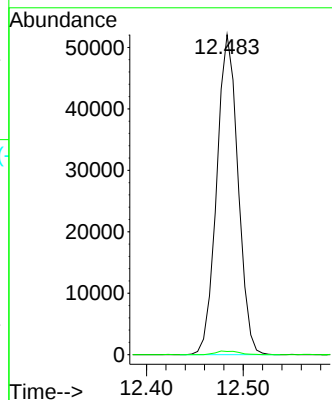
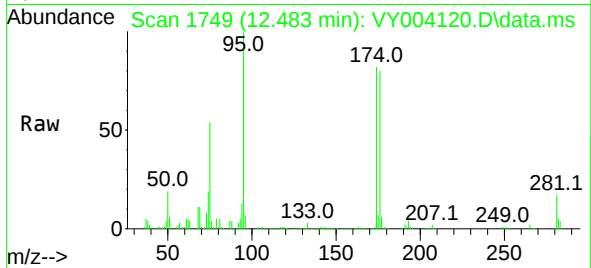




#76
1,2,3-Trichloropropane
Concen: 52.15 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 79521
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.92 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004120.D
Acq: 18 Mar 2021 14:36

Tgt Ion: 75 Resp: 79521
Ion Ratio Lower Upper
75 100
53 0.0 73.5 110.3#
89 0.4 35.7 53.5#

