

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004393.D
 Acq On : 12 Apr 2021 18:46
 Operator : SY/MD
 Sample : M1998-12
 Misc : 5.63G/5ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 13 03:57:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

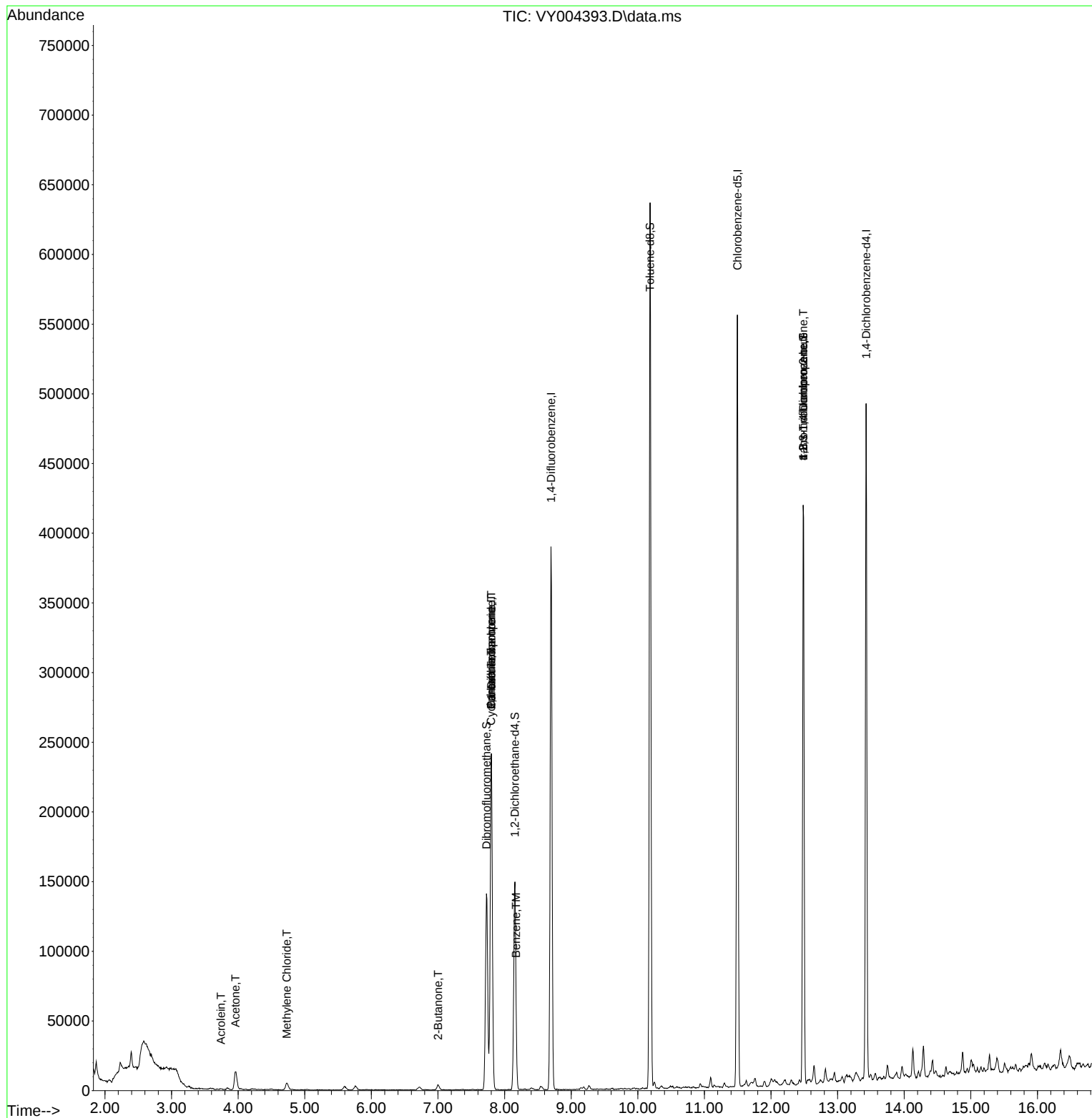
Internal Standards						
1) Pentafluorobenzene	7.801	168	183452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	319091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	285493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116640	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	111872	54.89	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 109.78%		
35) Dibromofluoromethane	7.728	113	97439	55.03	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 110.06%		
50) Toluene-d8	10.185	98	389210	51.67	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 103.34%		
62) 4-Bromofluorobenzene	12.483	95	124937	48.88	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 97.76%		
Target Compounds						
					Qvalue	
13) Acrolein	3.741	56	394	1.76	ug/l #	82
16) Acetone	3.960	43	24248	39.89	ug/l	94
20) Methylene Chloride	4.728	84	3393	1.72	ug/l	96
25) 2-Butanone	7.002	43	6264	8.07	ug/l	97
31) Cyclohexane	7.795	56	4759	1.27	ug/l #	21
36) 1,1-Dichloropropene	7.801	75	14989	4.73	ug/l #	51
38) Carbon Tetrachloride	7.801	117	18232	6.65	ug/l #	16
40) Benzene	8.173	78	9820	1.10	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	68353	54.60	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	68353	97.68	ug/l #	12

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

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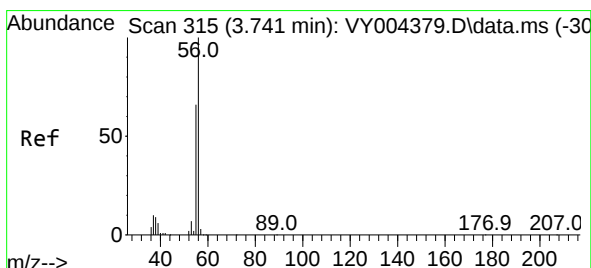
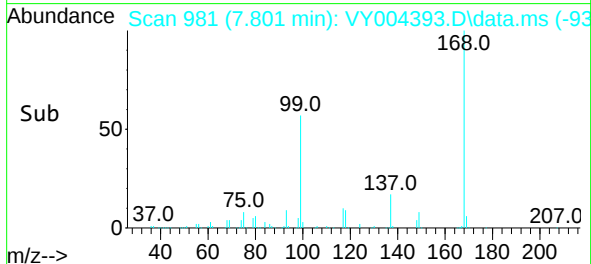
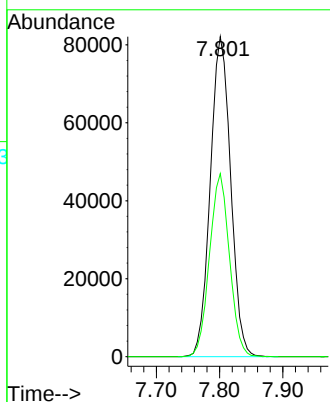
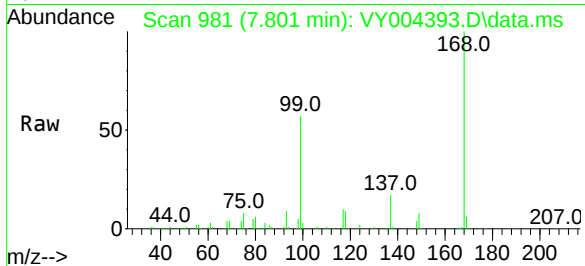




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

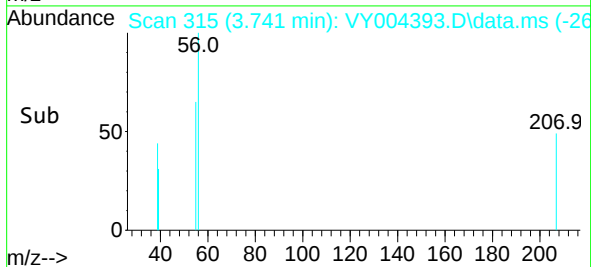
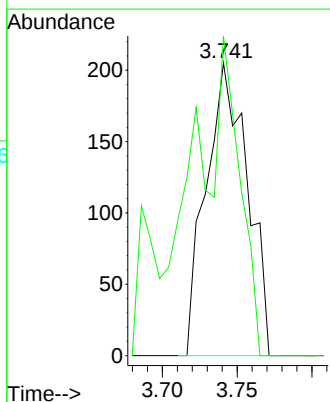
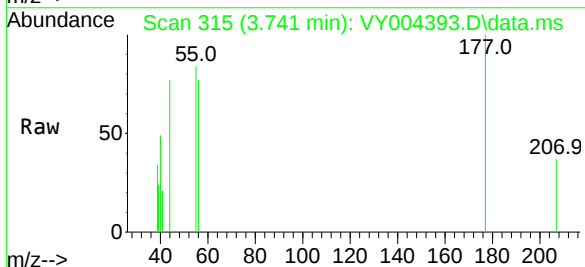
Instrument :
MSVOA_Y
ClientSampleId :

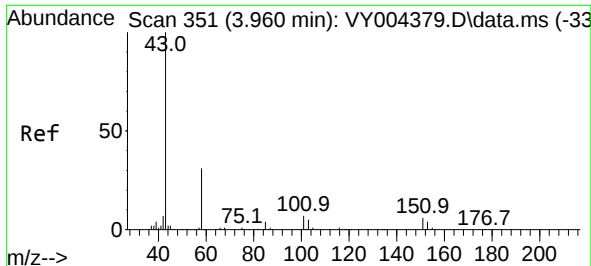
Tgt Ion:168 Resp: 183452
Ion Ratio Lower Upper
168 100
99 57.2 45.5 68.3



#13
Acrolein
Concen: 1.76 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

Tgt Ion: 56 Resp: 394
Ion Ratio Lower Upper
56 100
55 54.3 55.4 83.2#

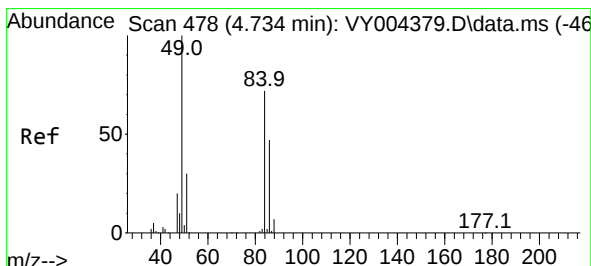
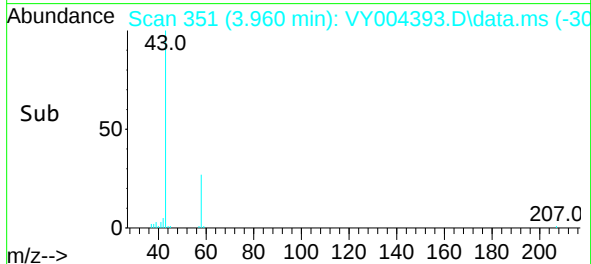
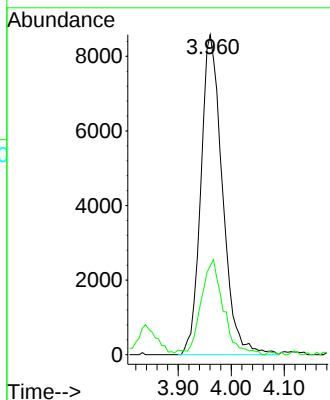
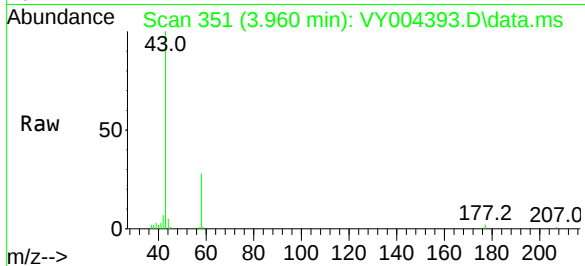




#16
Acetone
Concen: 39.89 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

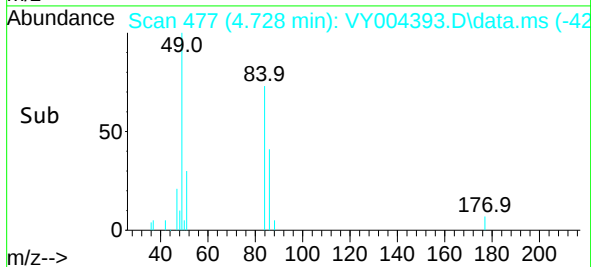
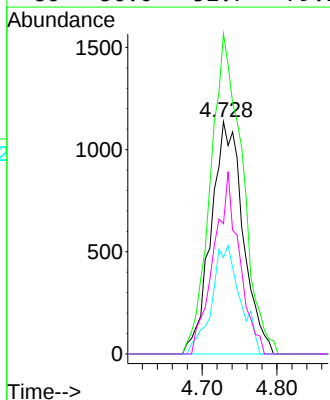
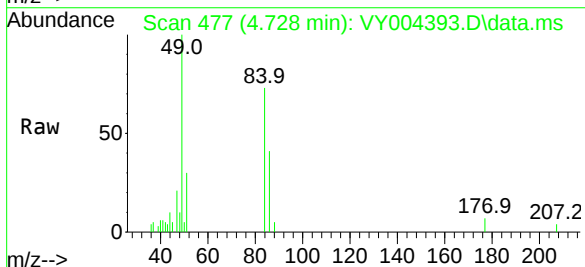
Instrument :
MSVOA_Y
ClientSampleId :

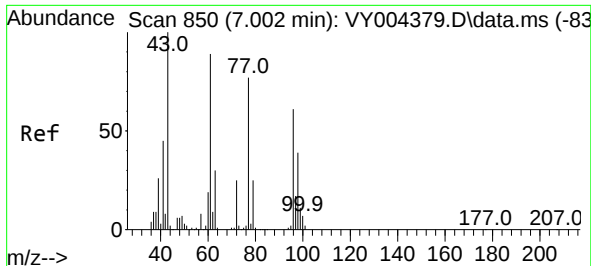
Tgt Ion: 43 Resp: 24248
Ion Ratio Lower Upper
43 100
58 27.7 24.6 37.0



#20
Methylene Chloride
Concen: 1.72 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

Tgt Ion: 84 Resp: 3393
Ion Ratio Lower Upper
84 100
49 137.7 111.2 166.8
51 41.4 33.4 50.2
86 56.0 52.7 79.1

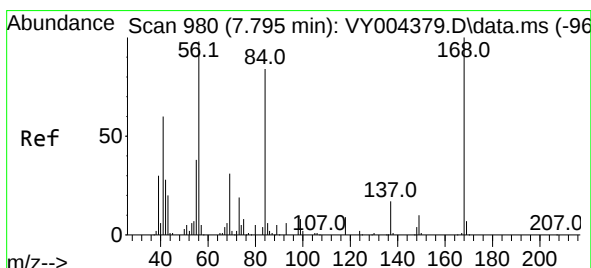
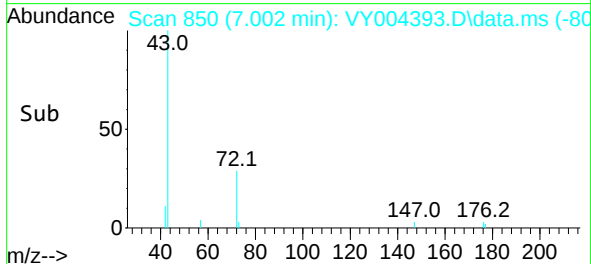
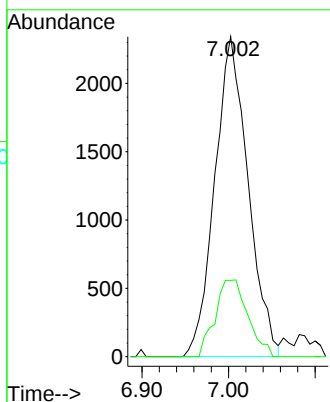
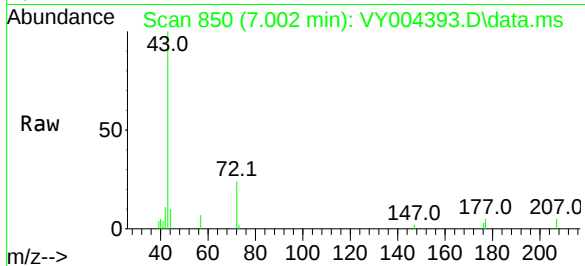




#25
2-Butanone
Concen: 8.07 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

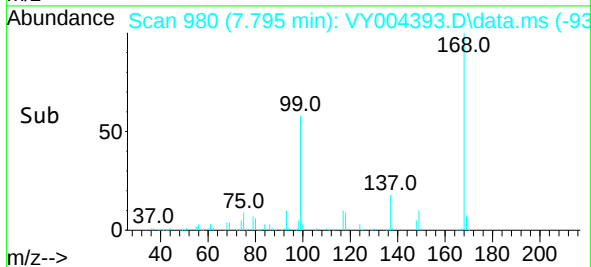
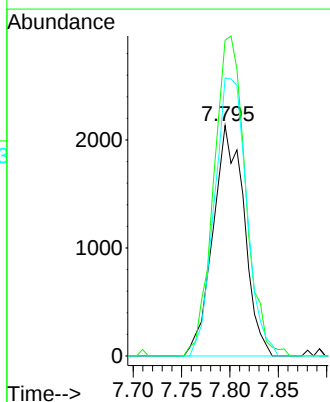
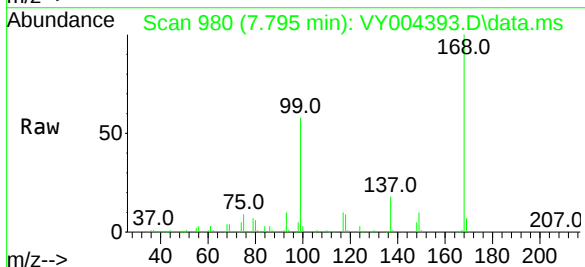
Instrument :
MSVOA_Y
ClientSampled :

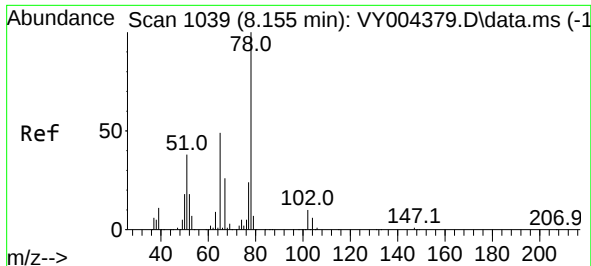
Tgt Ion: 43 Resp: 6264
Ion Ratio Lower Upper
43 100
72 23.9 20.2 30.2



#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

Tgt Ion: 56 Resp: 4759
Ion Ratio Lower Upper
56 100
69 137.0 25.8 38.6#
84 120.6 68.2 102.4#

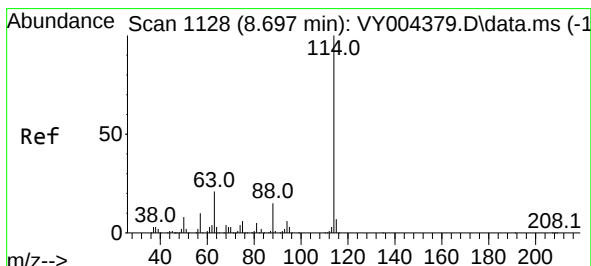
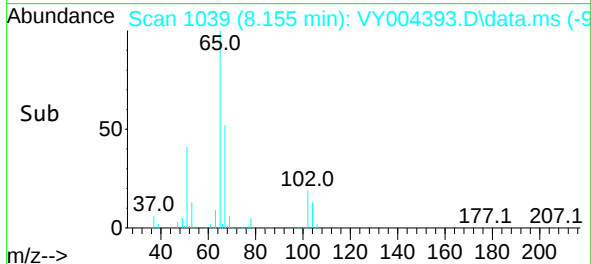
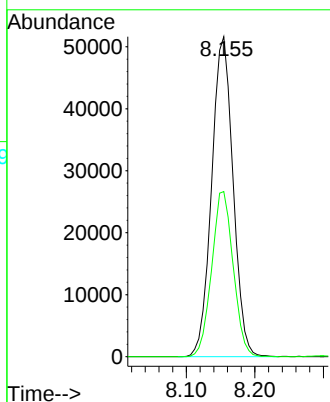
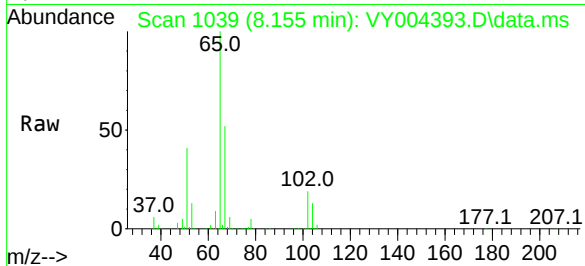




#33
1,2-Dichloroethane-d4
Concen: 54.89 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

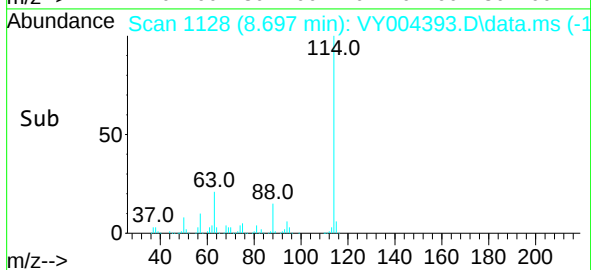
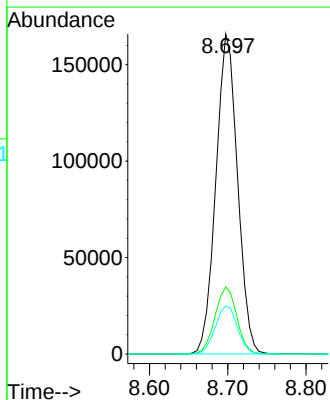
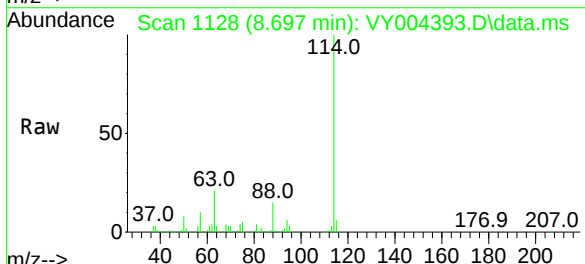
Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 65 Resp: 111872
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

Tgt Ion: 114 Resp: 319091
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.4
88 15.1 0.0 30.8

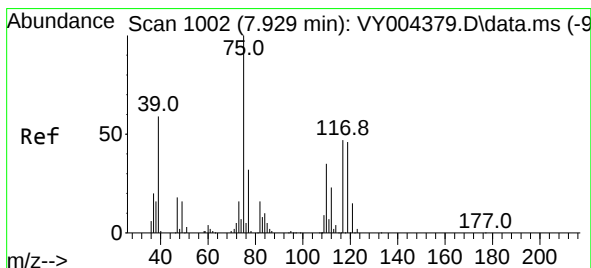
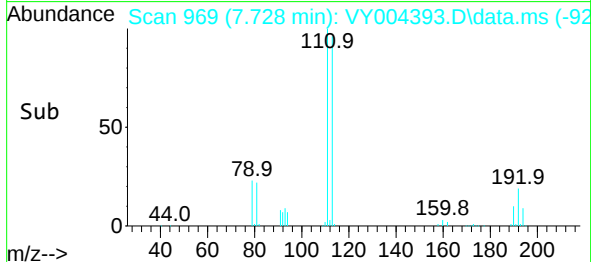
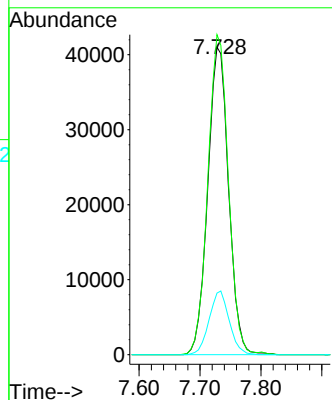
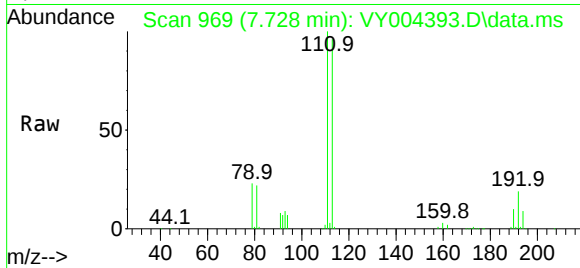




#35
Dibromofluoromethane
Concen: 55.03 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

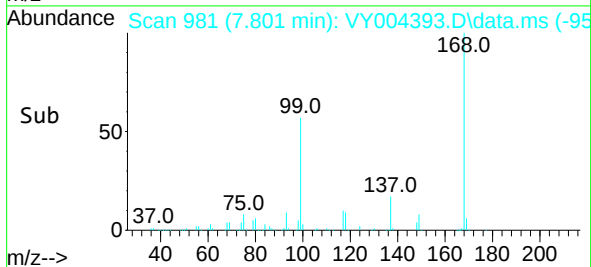
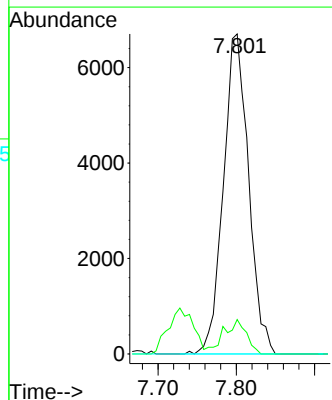
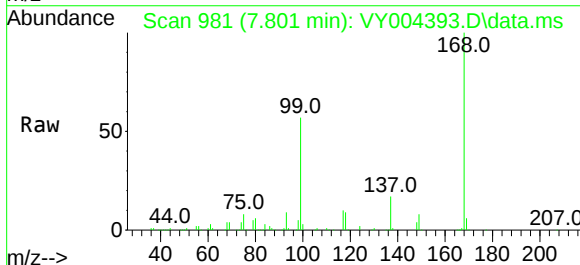
Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:113 Resp: 97439
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 19.9 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

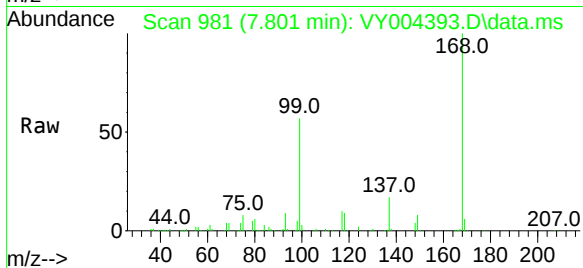
Tgt Ion: 75 Resp: 14989
Ion Ratio Lower Upper
75 100
110 9.4 17.3 51.7#
77 0.0 24.3 36.5#



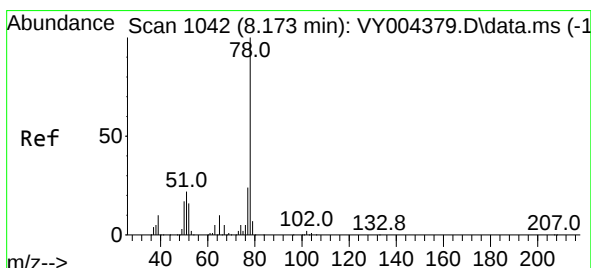
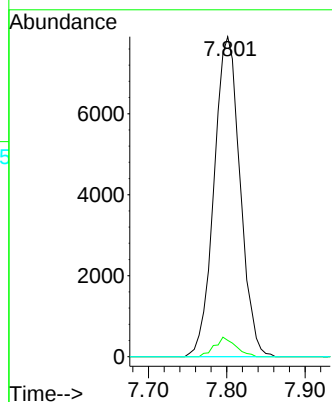
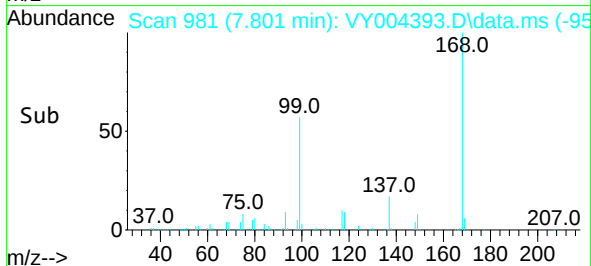


#38
Carbon Tetrachloride
Concen: 6.65 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

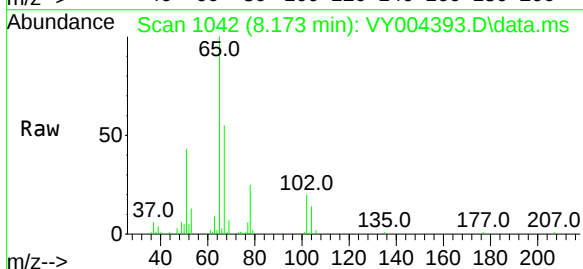
Instrument :
MSVOA_Y
ClientSampleId :



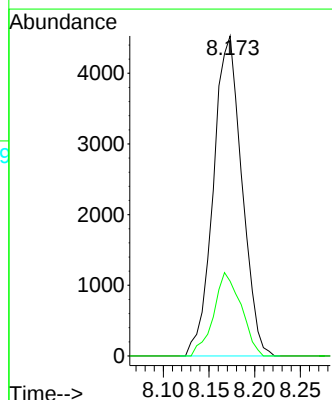
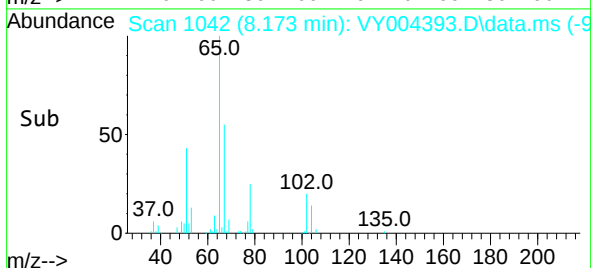
Tgt Ion:117 Resp: 18232
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 25.3 37.9#

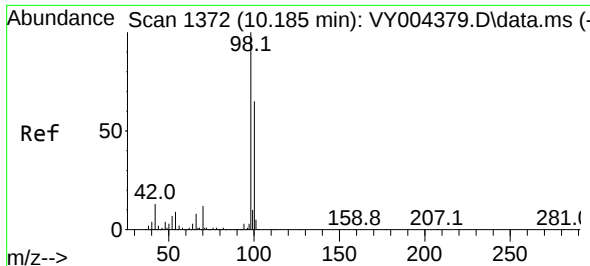


#40
Benzene
Concen: 1.10 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46



Tgt Ion: 78 Resp: 9820
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0

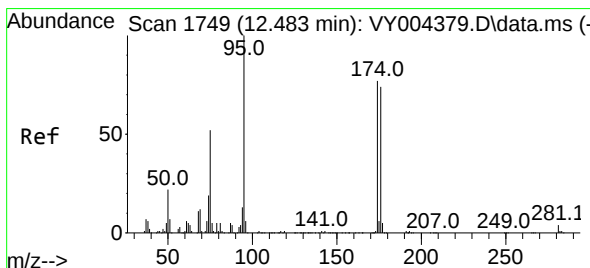
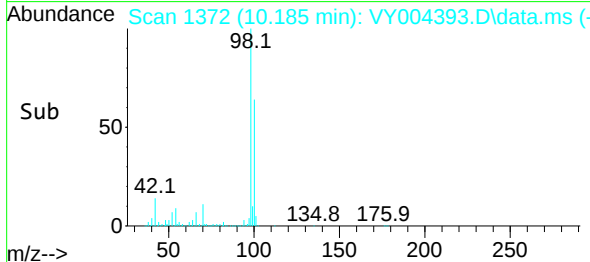
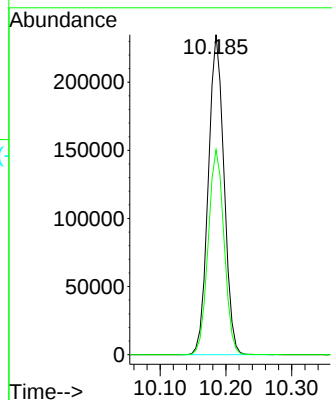
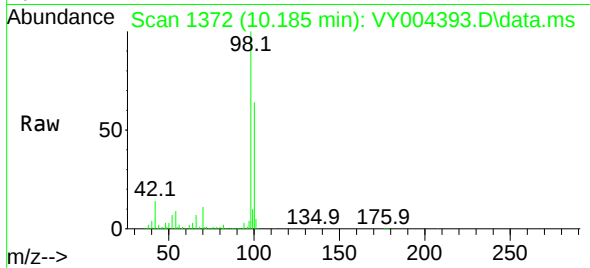




#50
Toluene-d8
Concen: 51.67 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

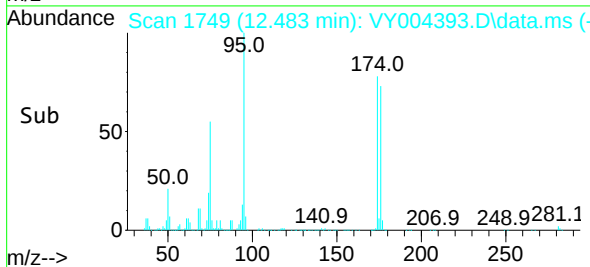
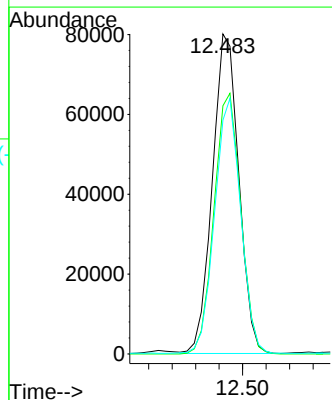
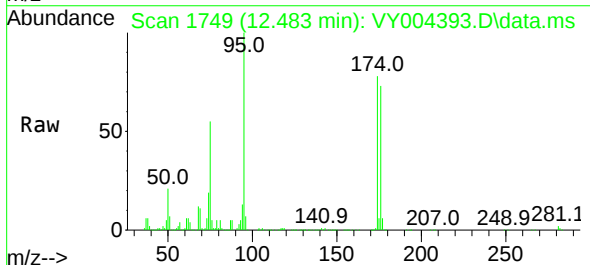
Instrument :
MSVOA_Y
ClientSampled :

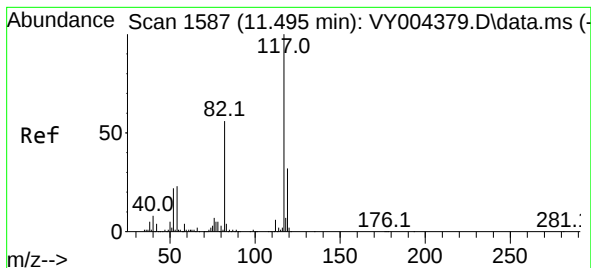
Tgt Ion: 98 Resp: 389210
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 48.88 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

Tgt Ion: 95 Resp: 124937
Ion Ratio Lower Upper
95 100
174 82.2 0.0 162.4
176 78.5 0.0 156.0

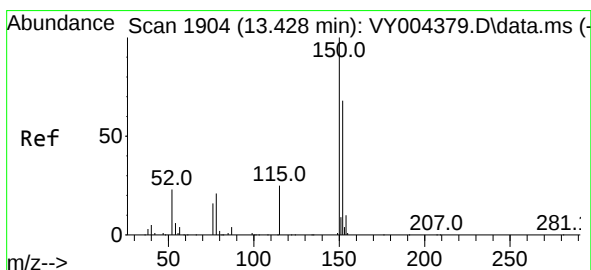
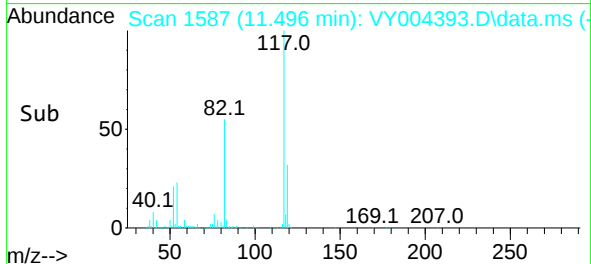
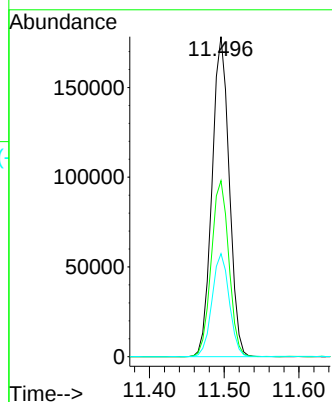
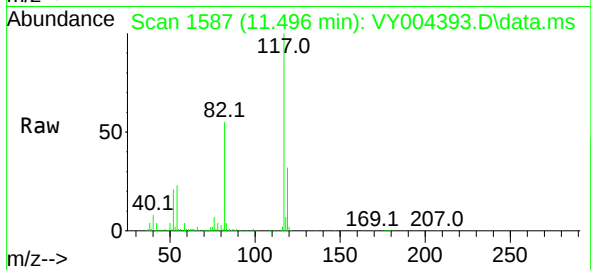




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

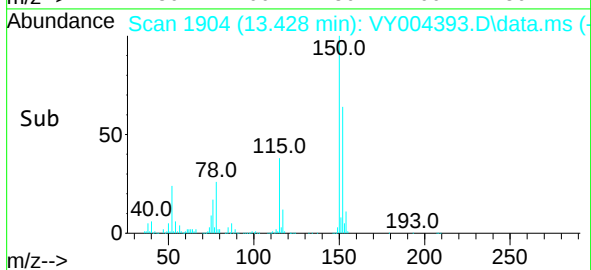
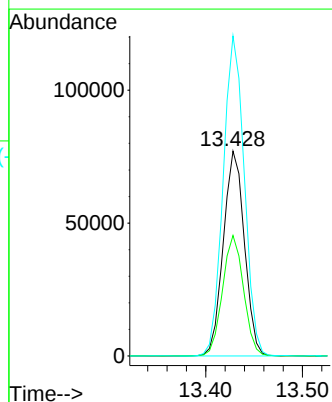
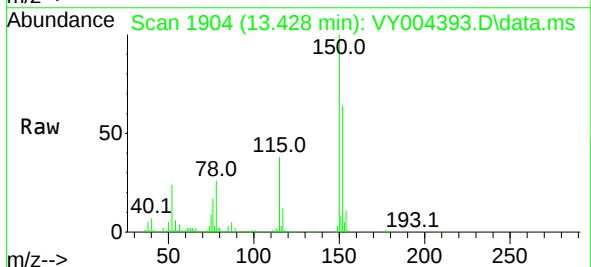
Instrument :
MSVOA_Y
ClientSampleId :

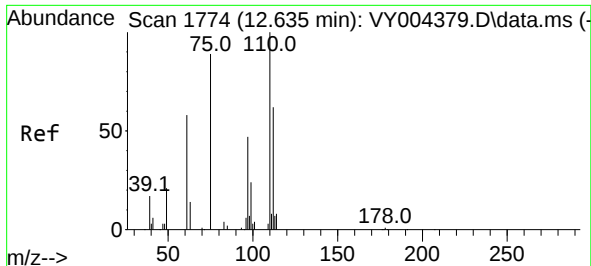
Tgt Ion:117 Resp: 285493
Ion Ratio Lower Upper
117 100
82 55.0 44.9 67.3
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

Tgt Ion:152 Resp: 116640
Ion Ratio Lower Upper
152 100
115 58.6 29.6 88.8
150 156.4 0.0 348.4

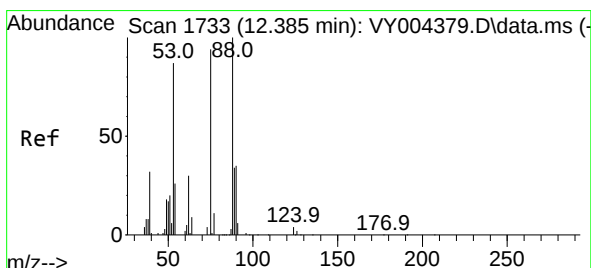
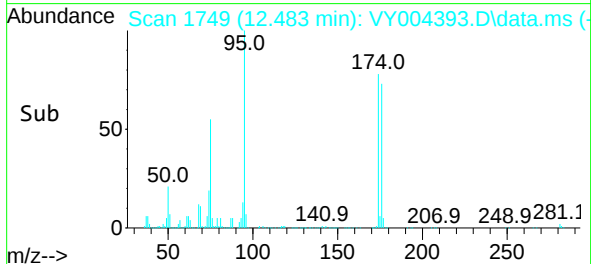
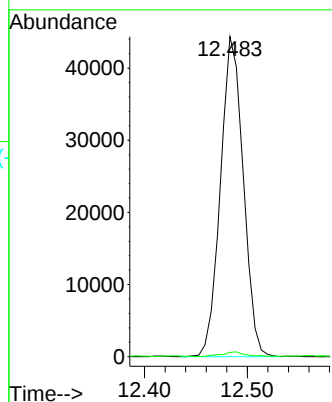
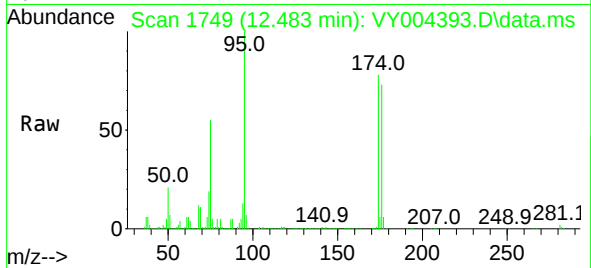




#76
1,2,3-Trichloropropane
Concen: 54.60 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 68353
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.68 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004393.D
Acq: 12 Apr 2021 18:46

Tgt Ion: 75 Resp: 68353
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.0 36.1 54.1#

