

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004389.D
 Acq On : 12 Apr 2021 17:13
 Operator : SY/MD
 Sample : M1998-08
 Misc : 3.49G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 13 03:56:06 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	179756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	313855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	296034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136277	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	112582	56.37	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.74%
35) Dibromofluoromethane	7.728	113	91636	52.61	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.22%
50) Toluene-d8	10.185	98	385344	52.01	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.02%
62) 4-Bromofluorobenzene	12.483	95	133296	53.02	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.04%

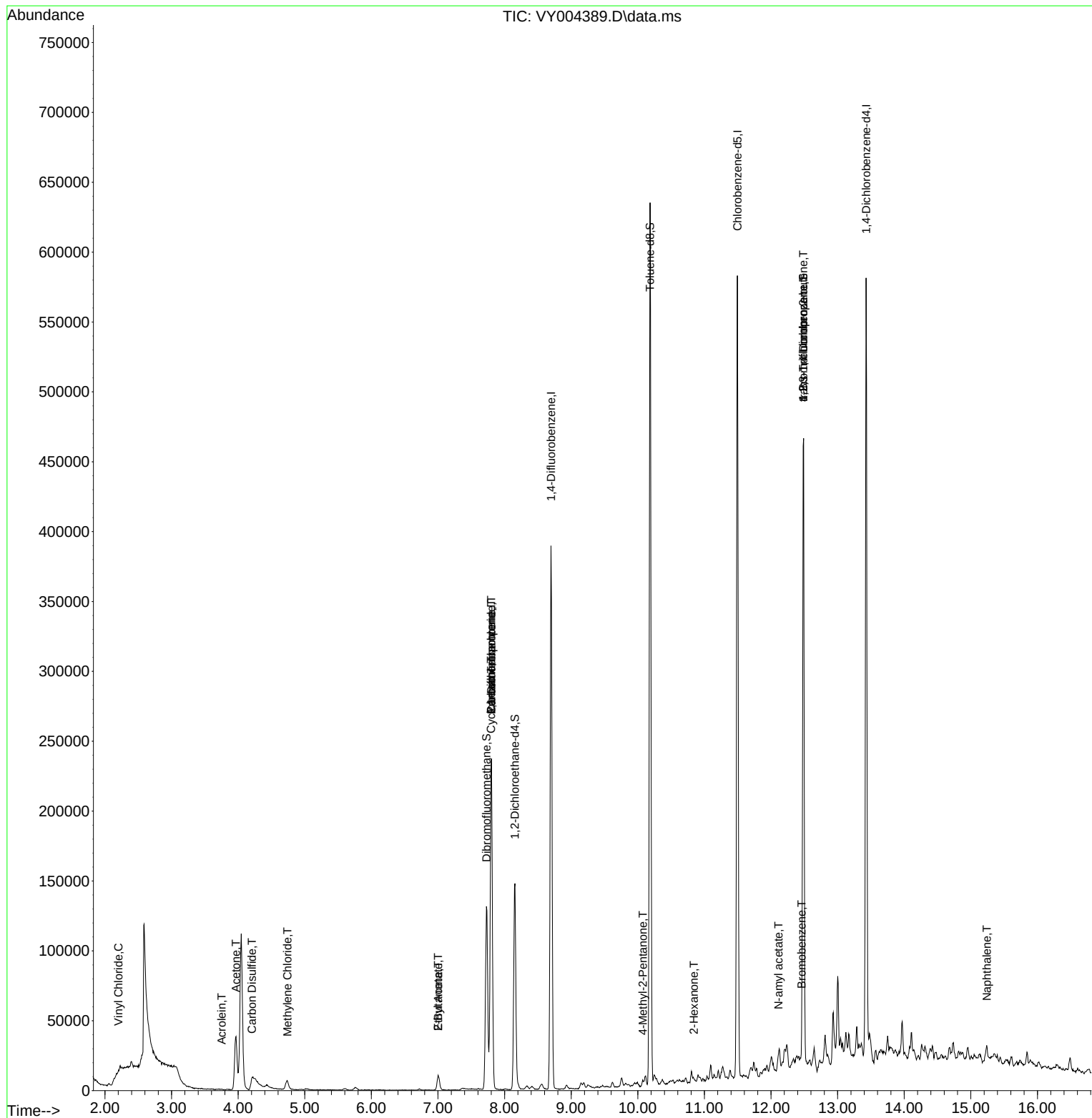
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.204	62	5750	2.26	ug/l #	43
13) Acrolein	3.753	56	306	1.40	ug/l #	15
16) Acetone	3.966	43	69352	156.40	ug/l	94
17) Carbon Disulfide	4.204	76	14093	2.62	ug/l	99
20) Methylene Chloride	4.740	84	4554	2.36	ug/l #	84
25) 2-Butanone	7.002	43	17877	23.50	ug/l	92
31) Cyclohexane	7.795	56	4454	1.22	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	14599	4.68	ug/l #	51
37) Ethyl Acetate	7.002	43	17877	8.90	ug/l #	70
38) Carbon Tetrachloride	7.801	117	18569	6.89	ug/l #	17
51) 4-Methyl-2-Pentanone	10.075	43	2183	1.12	ug/l #	75
59) 2-Hexanone	10.843	43	1820	1.39	ug/l	77
74) N-amyl acetate	12.111	43	8112	2.29	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	73292	50.11	ug/l #	100
77) Bromobenzene	12.459	156	8708	3.69	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	73292	89.64	ug/l #	12
95) Naphthalene	15.239	128	7880	1.40	ug/l #	87

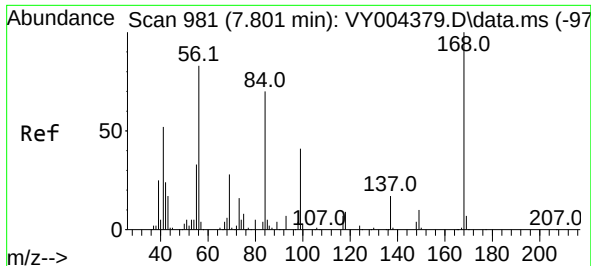
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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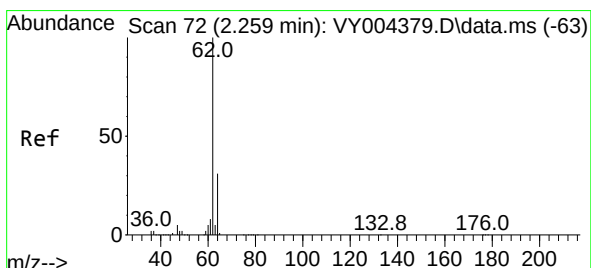
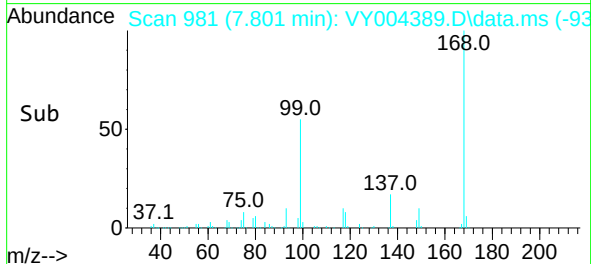
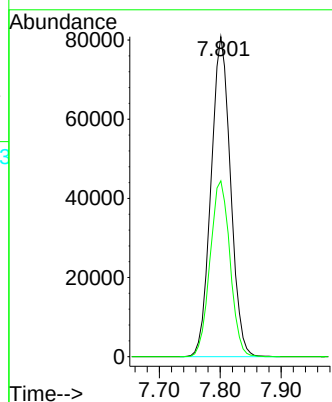
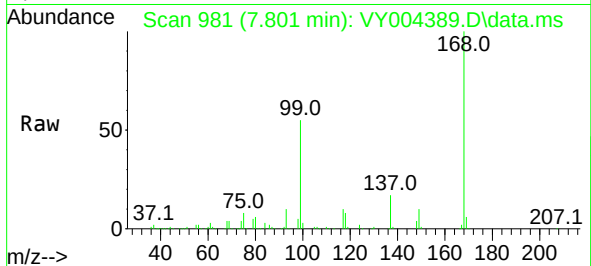




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

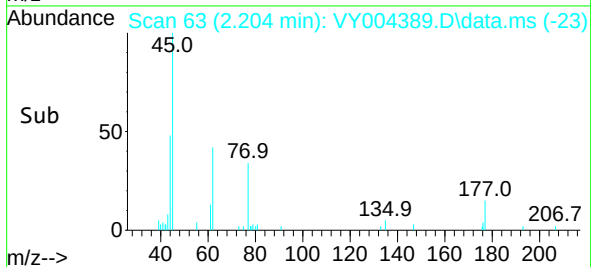
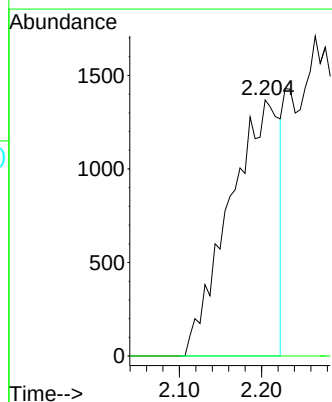
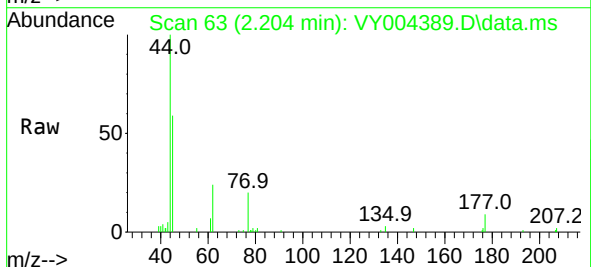
Instrument :
MSVOA_Y
ClientSampled :

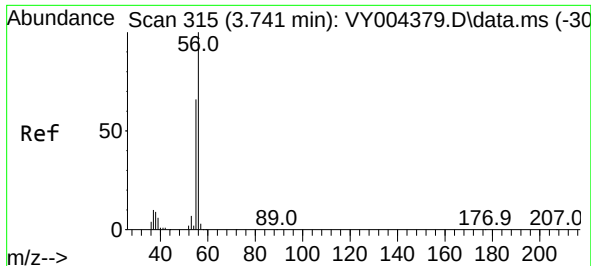
Tgt Ion:168 Resp: 179756
Ion Ratio Lower Upper
168 100
99 54.9 45.5 68.3



#4
Vinyl Chloride
Concen: 2.26 ug/l
RT: 2.204 min Scan# 63
Delta R.T. -0.055 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

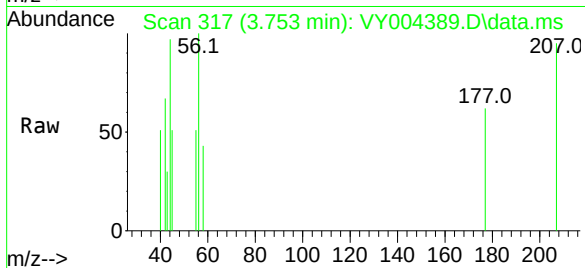
Tgt Ion: 62 Resp: 5750
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



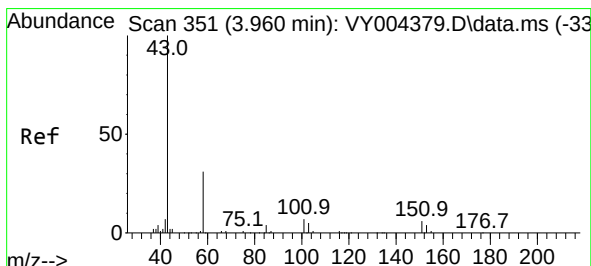
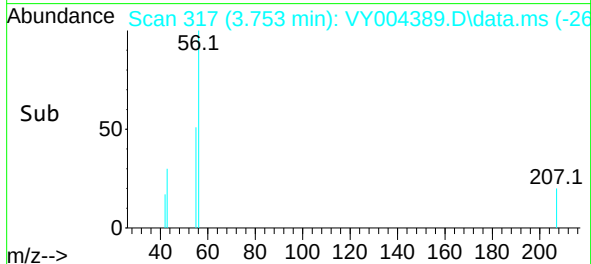
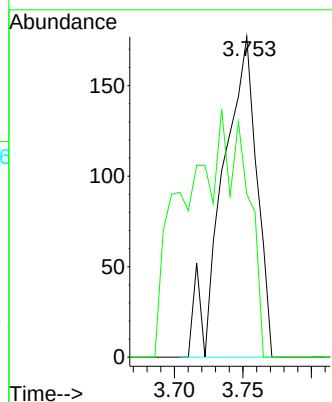


#13
Acrolein
Concen: 1.40 ug/l
RT: 3.753 min Scan# 317
Delta R.T. 0.012 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

Instrument :
MSVOA_Y
ClientSampled :

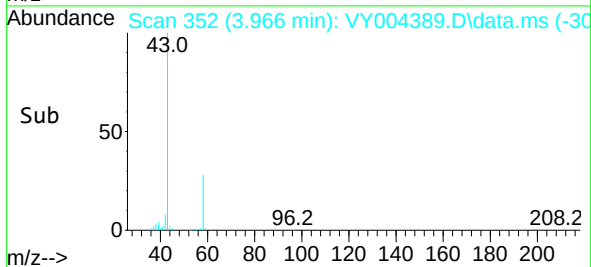
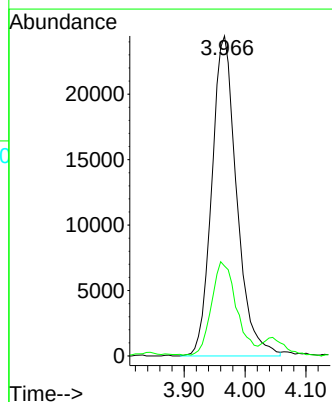
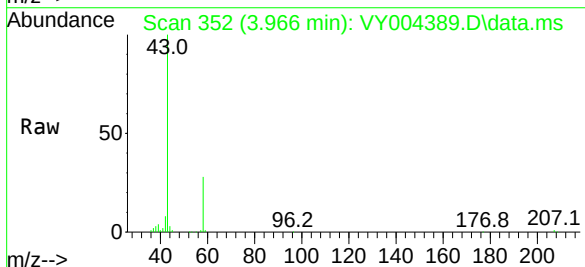


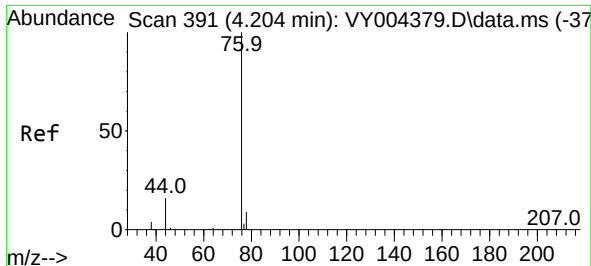
Tgt Ion: 56 Resp: 306
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#



#16
Acetone
Concen: 156.40 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

Tgt Ion: 43 Resp: 69352
Ion Ratio Lower Upper
43 100
58 27.6 24.6 37.0

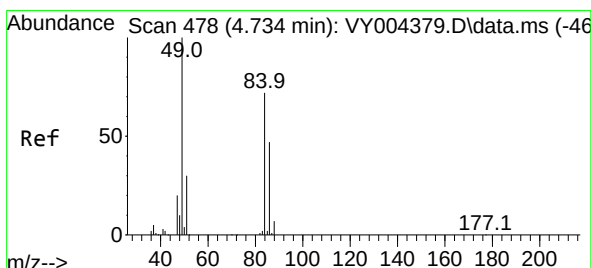
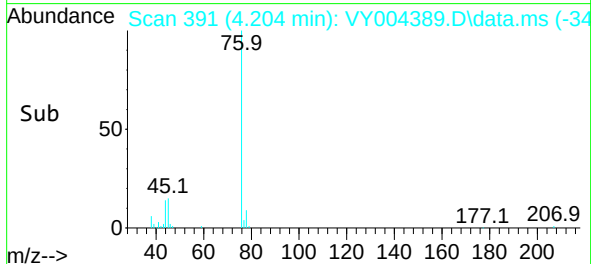
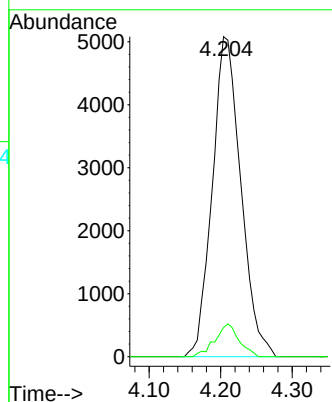
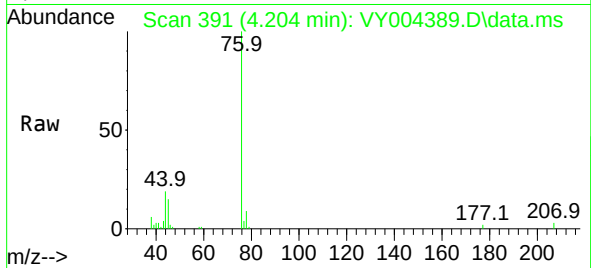




#17
Carbon Disulfide
Concen: 2.62 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

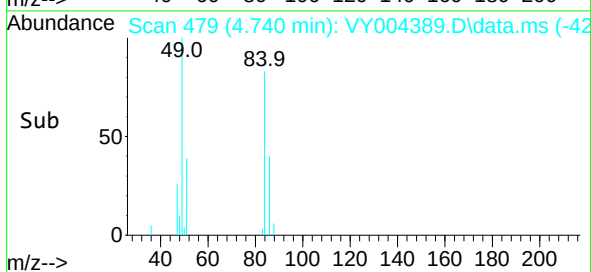
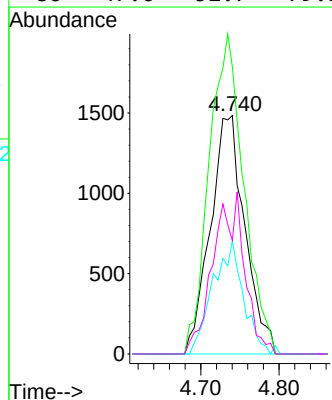
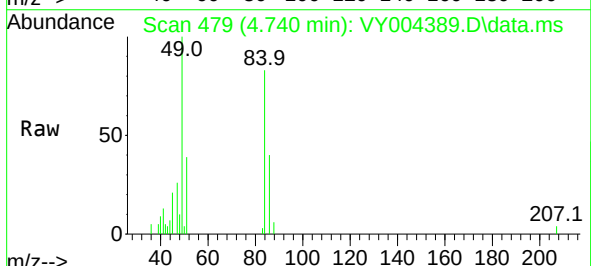
Instrument :
MSVOA_Y
ClientSampled :

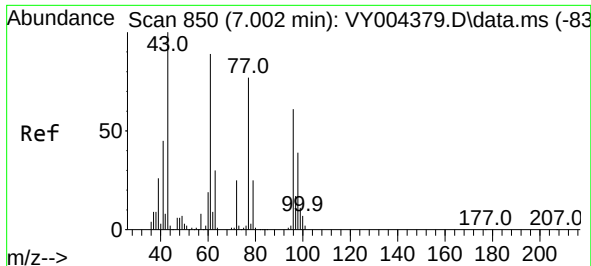
Tgt Ion: 76 Resp: 14093
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#20
Methylene Chloride
Concen: 2.36 ug/l
RT: 4.740 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

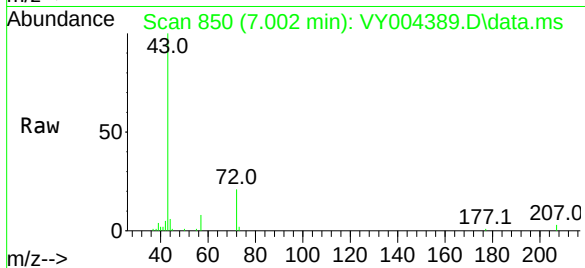
Tgt Ion: 84 Resp: 4554
Ion Ratio Lower Upper
84 100
49 120.4 111.2 166.8
51 47.5 33.4 50.2
86 47.6 52.7 79.1#



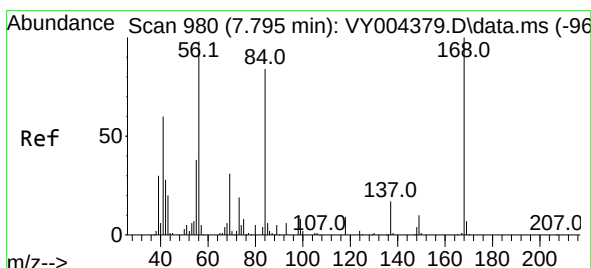
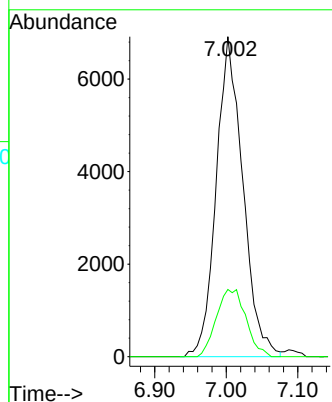
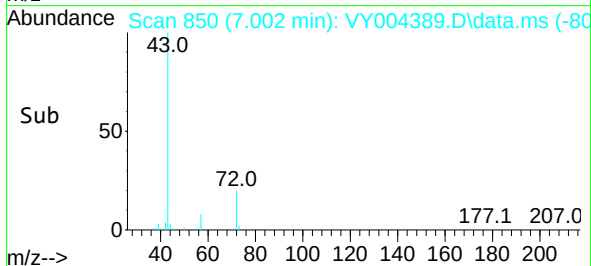


#25
2-Butanone
Concen: 23.50 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

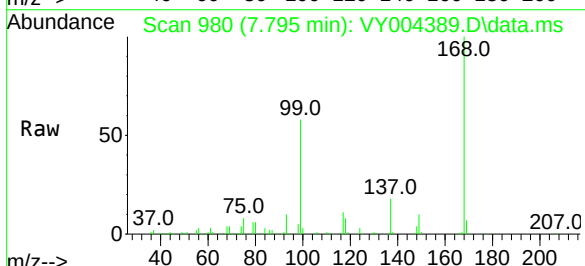
Instrument :
MSVOA_Y
ClientSampled :



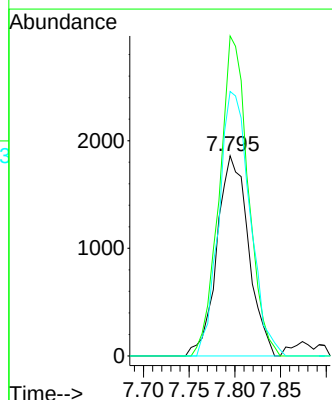
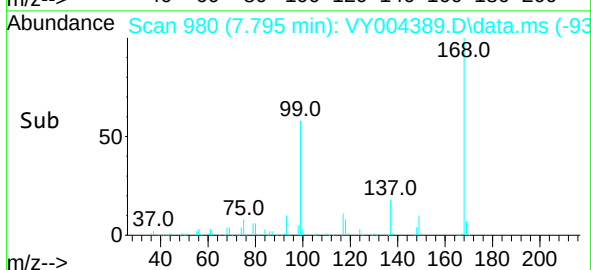
Tgt Ion: 43 Resp: 17877
Ion Ratio Lower Upper
43 100
72 21.0 20.2 30.2

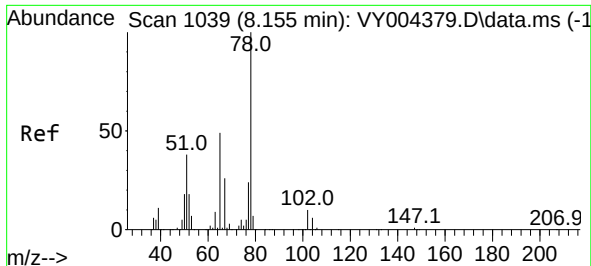


#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13



Tgt Ion: 56 Resp: 4454
Ion Ratio Lower Upper
56 100
69 159.9 25.8 38.6#
84 132.2 68.2 102.4#

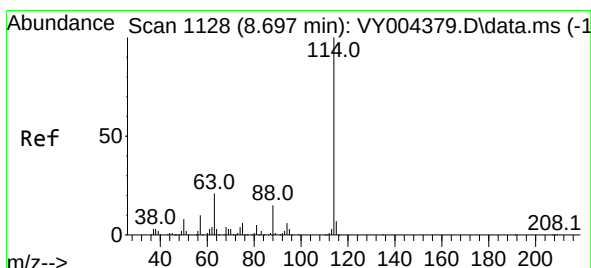
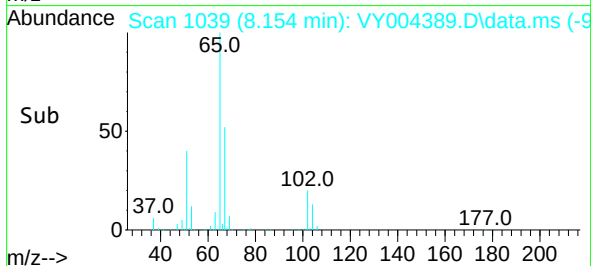
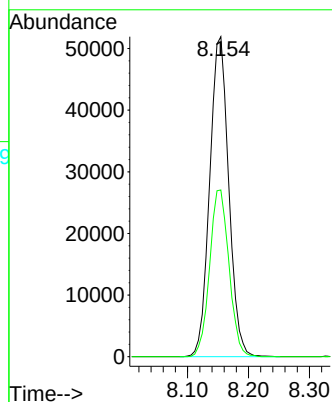
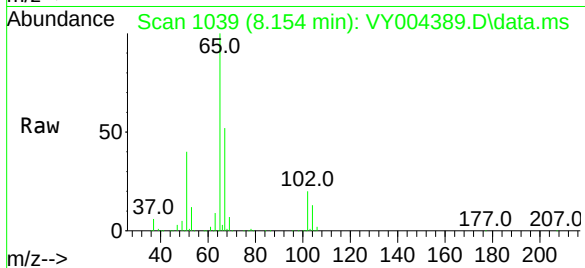




#33
 1,2-Dichloroethane-d4
 Concen: 56.37 ug/l
 RT: 8.154 min Scan# 1039
 Delta R.T. -0.000 min
 Lab File: VY004389.D
 Acq: 12 Apr 2021 17:13

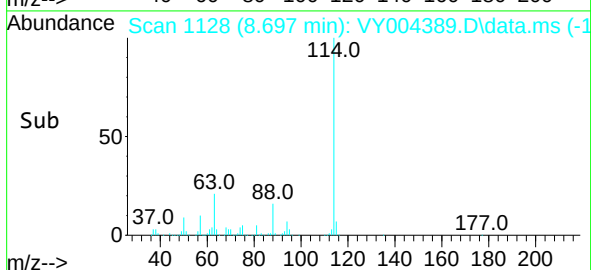
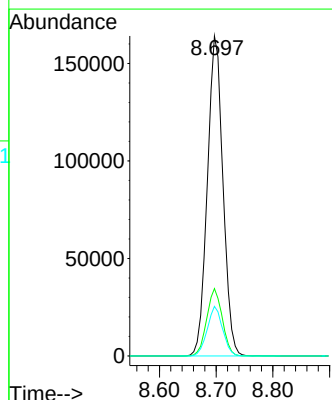
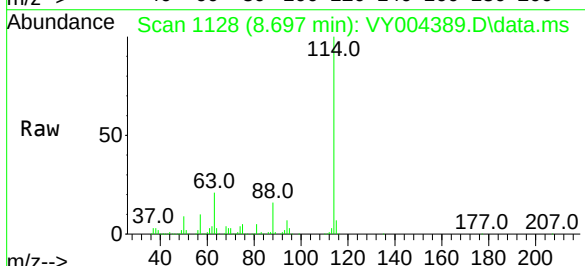
Instrument :
 MSVOA_Y
 ClientSampled :

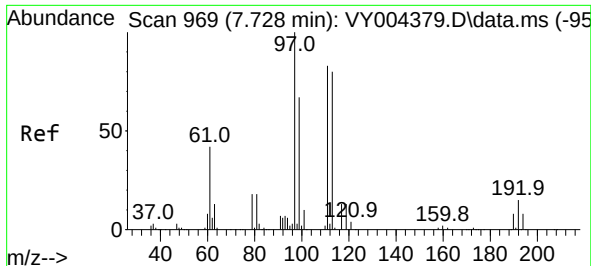
Tgt Ion: 65 Resp: 112582
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY004389.D
 Acq: 12 Apr 2021 17:13

Tgt Ion: 114 Resp: 313855
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.4
 88 15.5 0.0 30.8

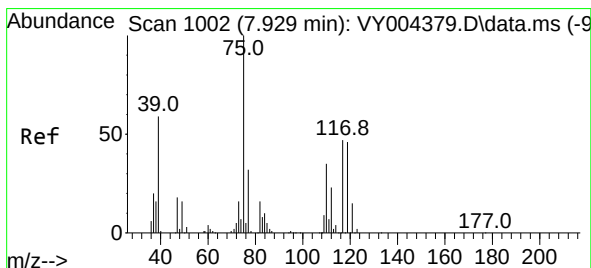
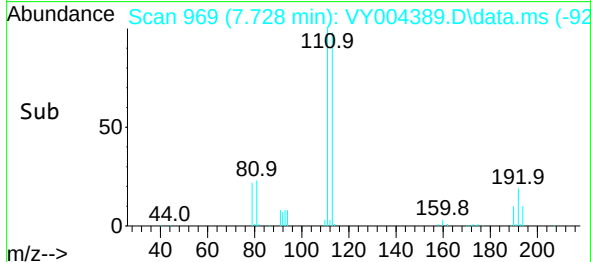
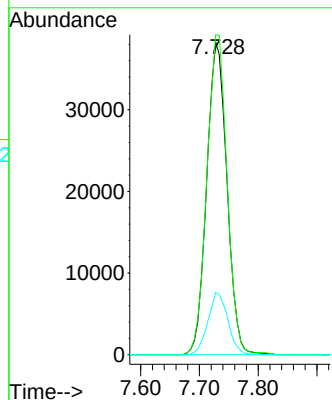
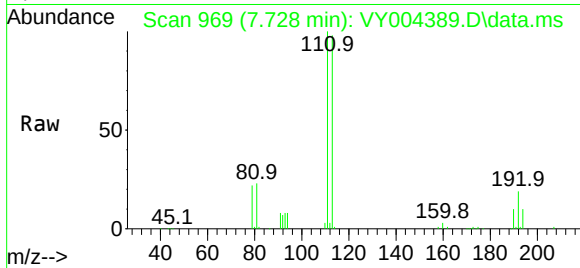




#35
Dibromofluoromethane
Concen: 52.61 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

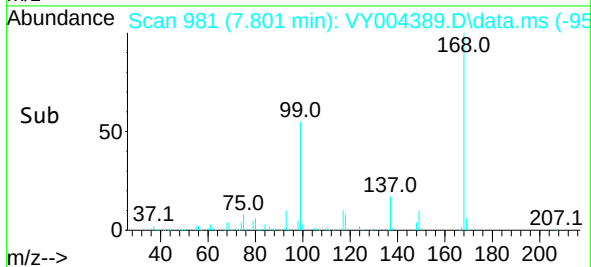
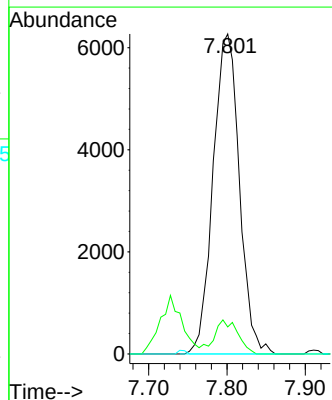
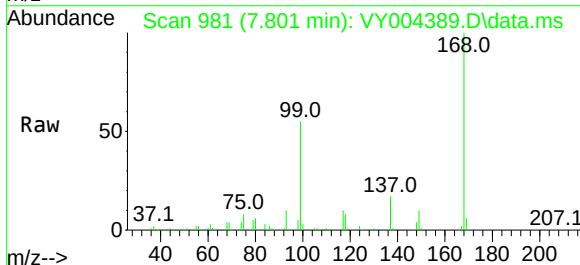
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MSVOA_Y
ClientSampleId :

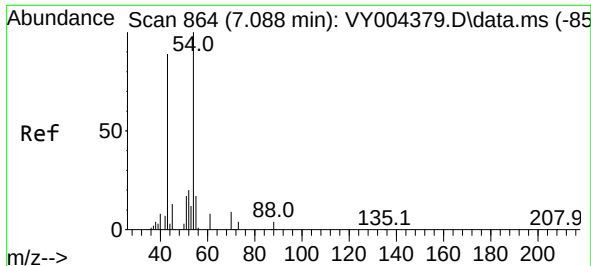
Tgt Ion:113 Resp: 91636
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 19.5 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.68 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

Tgt Ion: 75 Resp: 14599
Ion Ratio Lower Upper
75 100
110 9.7 17.3 51.7#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 8.90 ug/l

RT: 7.002 min Scan# 850

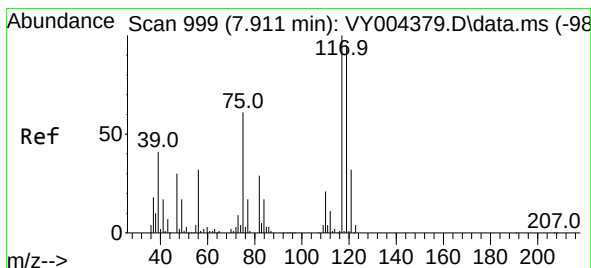
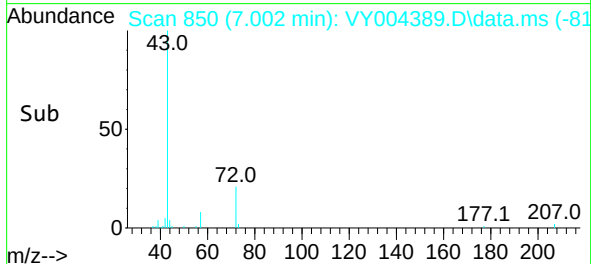
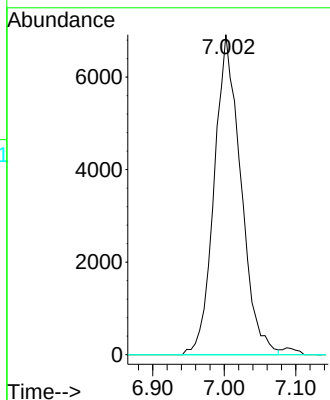
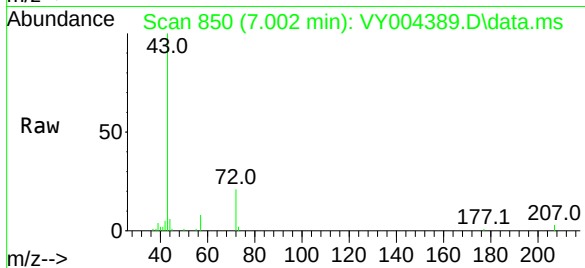
Delta R.T. -0.085 min

Lab File: VY004389.D

Acq: 12 Apr 2021 17:13

Tgt Ion: 43	Resp: 17877
Ion Ratio	Lower Upper
43 100	
61 0.0	10.4 15.6#
70 0.0	7.5 11.3#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.89 ug/l

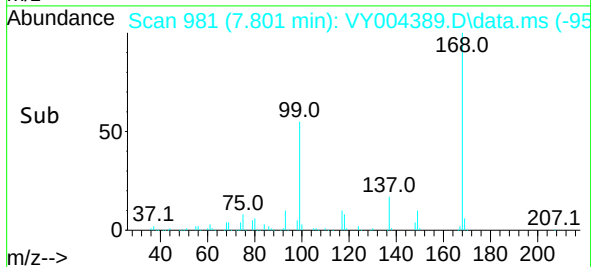
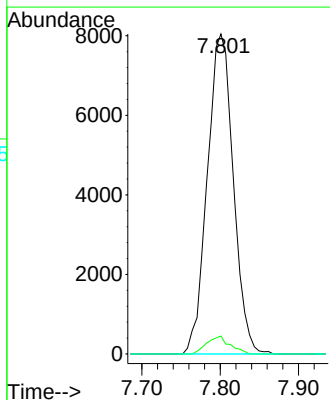
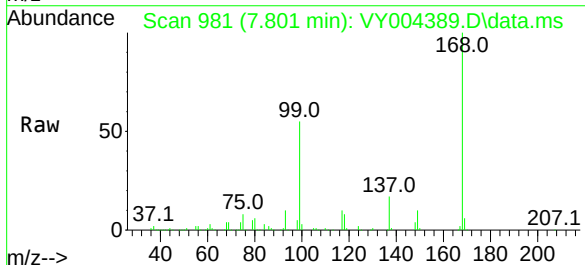
RT: 7.801 min Scan# 981

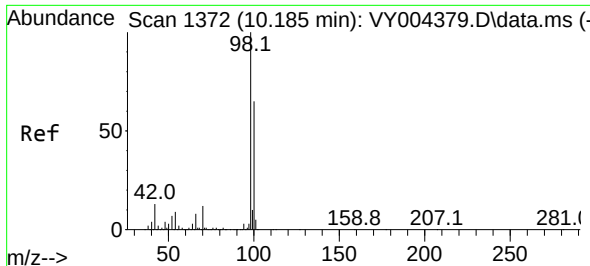
Delta R.T. -0.110 min

Lab File: VY004389.D

Acq: 12 Apr 2021 17:13

Tgt Ion: 117	Resp: 18569
Ion Ratio	Lower Upper
117 100	
119 5.6	75.8 113.8#
121 0.0	25.3 37.9#

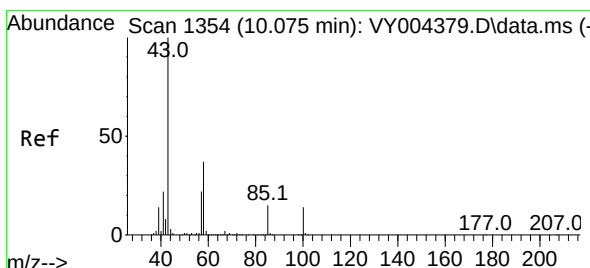
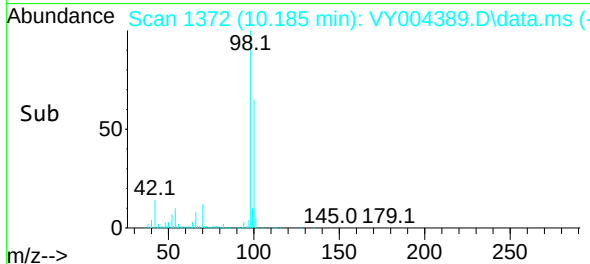
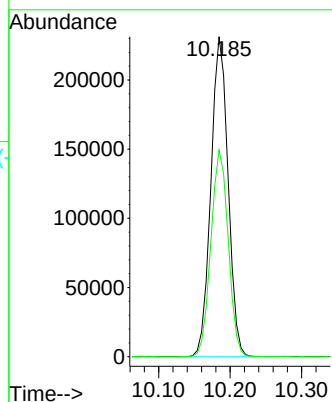
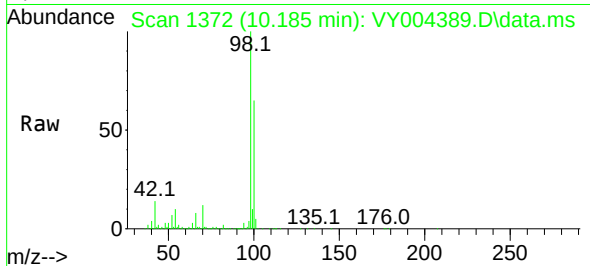




#50
Toluene-d8
Concen: 52.01 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

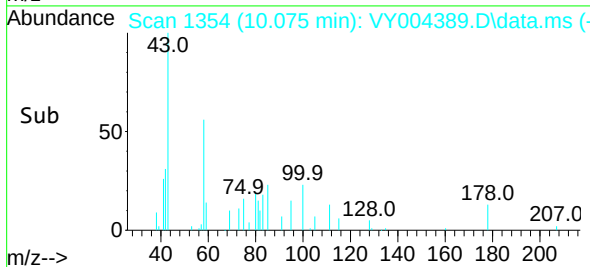
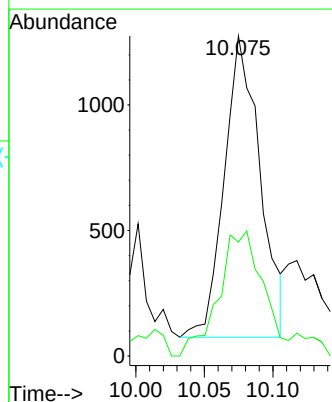
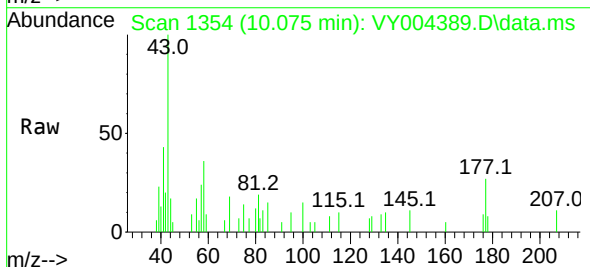
Instrument :
MSVOA_Y
ClientSampled :

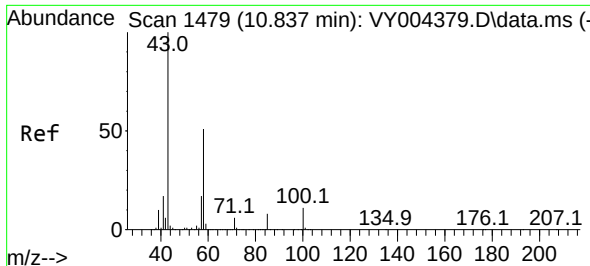
Tgt Ion: 98 Resp: 385344
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.12 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

Tgt Ion: 43 Resp: 2183
Ion Ratio Lower Upper
43 100
58 51.5 29.2 43.8#

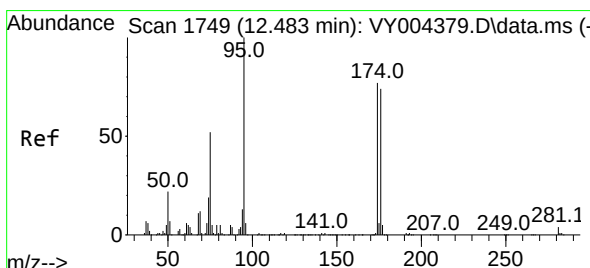
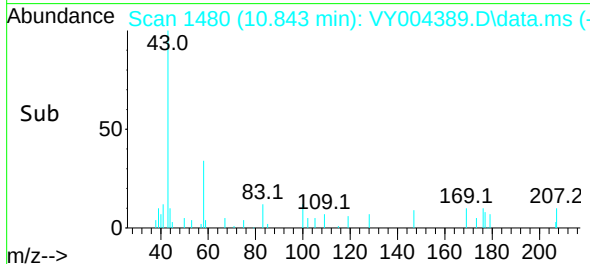
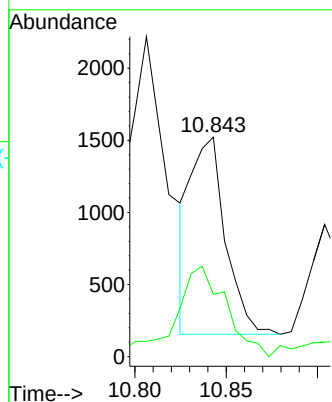
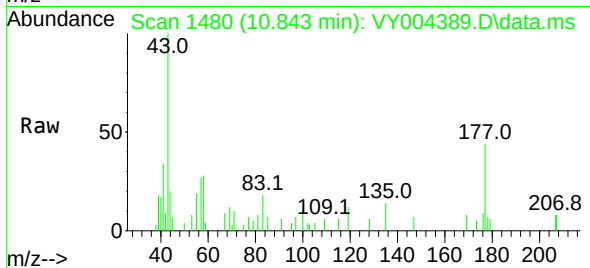




#59
2-Hexanone
Concen: 1.39 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

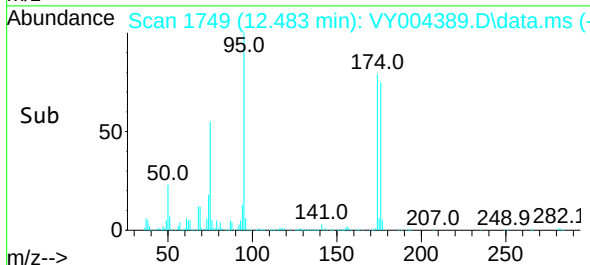
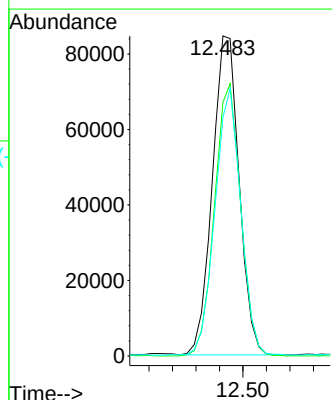
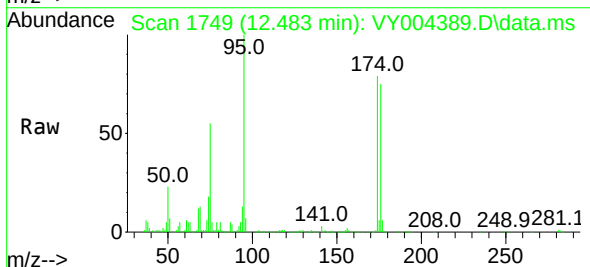
Instrument :
MSVOA_Y
ClientSampled :

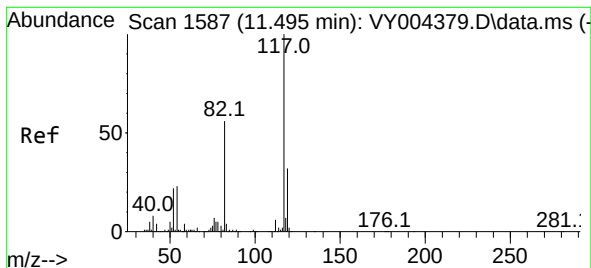
Tgt Ion: 43 Resp: 1820
Ion Ratio Lower Upper
43 100
58 66.9 25.4 76.4



#62
4-Bromofluorobenzene
Concen: 53.02 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

Tgt Ion: 95 Resp: 133296
Ion Ratio Lower Upper
95 100
174 83.8 0.0 162.4
176 81.1 0.0 156.0

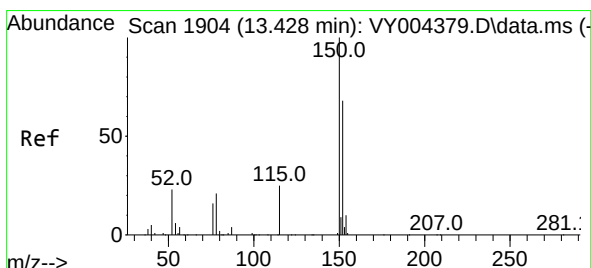
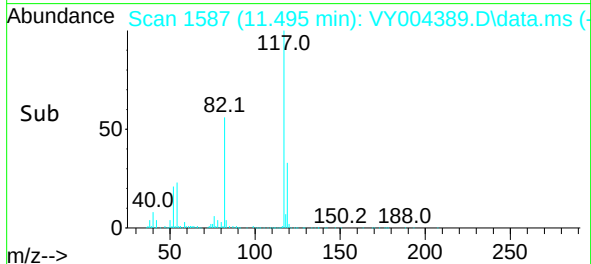
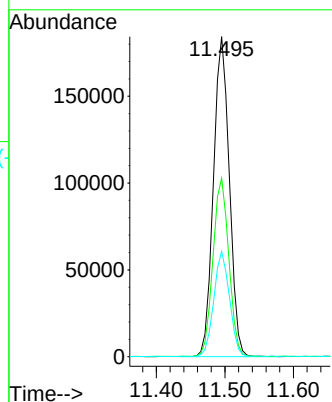
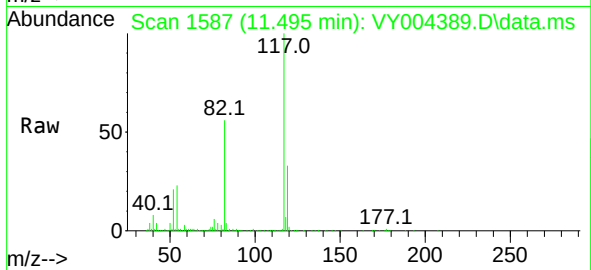




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

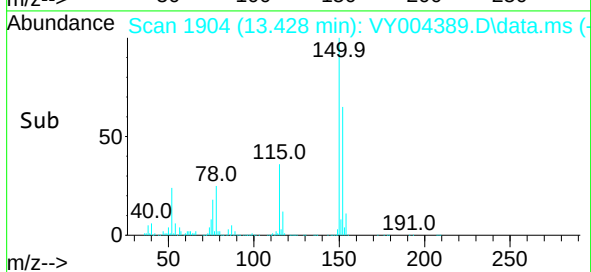
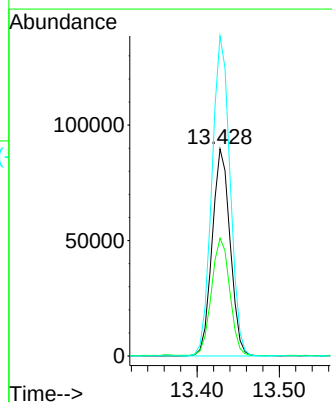
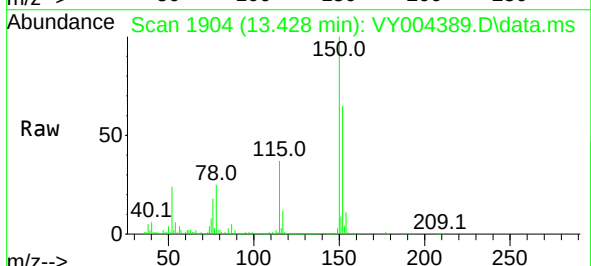
Instrument :
MSVOA_Y
ClientSampleId :

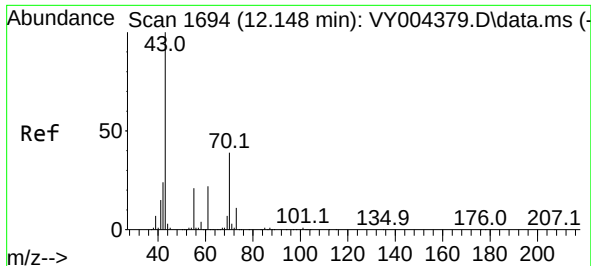
Tgt Ion:117 Resp: 296034
Ion Ratio Lower Upper
117 100
82 55.7 44.9 67.3
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

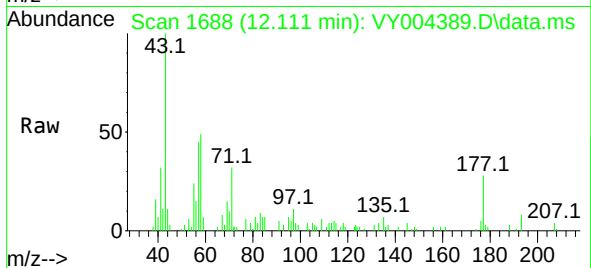
Tgt Ion:152 Resp: 136277
Ion Ratio Lower Upper
152 100
115 57.3 29.6 88.8
150 155.8 0.0 348.4



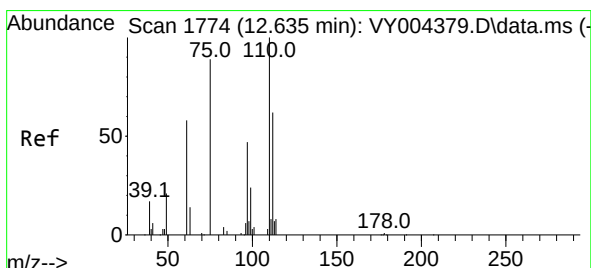
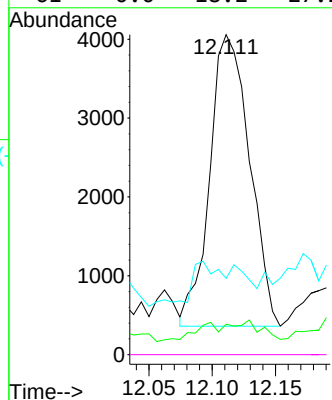
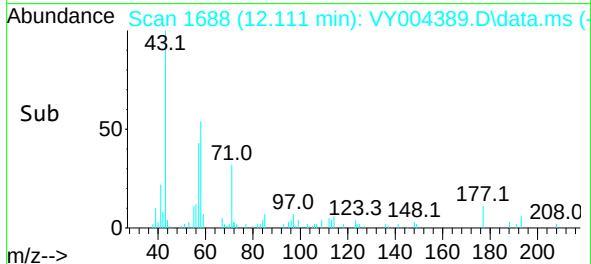


#74
N-amy1 acetate
Concen: 2.29 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

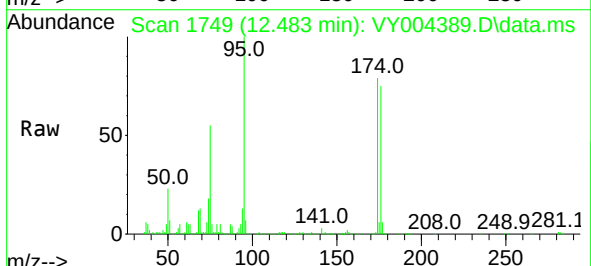
Instrument :
MSVOA_Y
ClientSampleId :



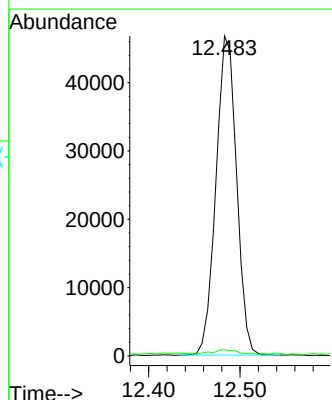
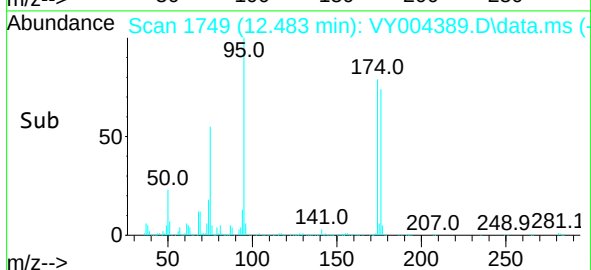
Tgt Ion: 43 Resp: 8112
Ion Ratio Lower Upper
43 100
70 3.2 30.4 45.6#
55 0.0 17.4 26.0#
61 0.0 18.2 27.2#

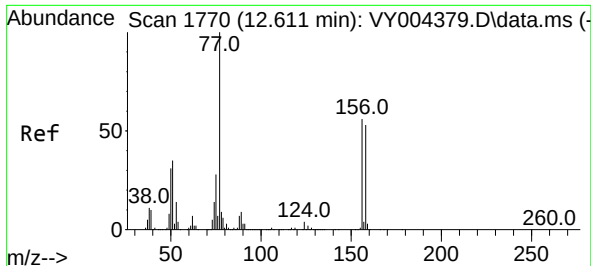


#76
1,2,3-Trichloropropane
Concen: 50.11 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13



Tgt Ion: 75 Resp: 73292
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

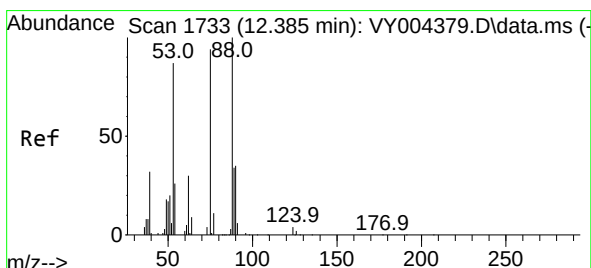
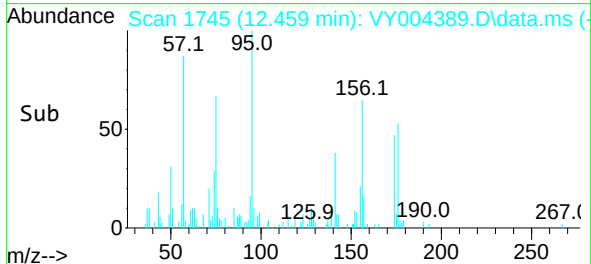
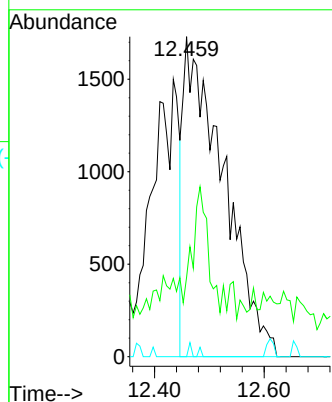
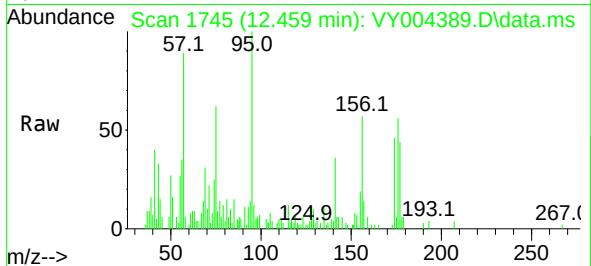




#77
Bromobenzene
Concen: 3.69 ug/l
RT: 12.459 min Scan# 1745
Delta R.T. -0.152 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

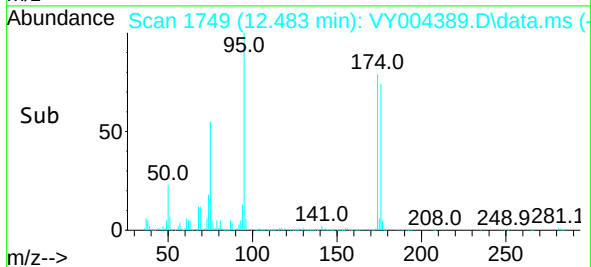
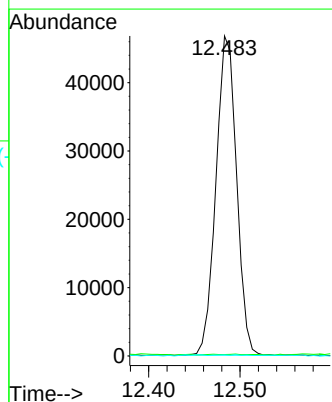
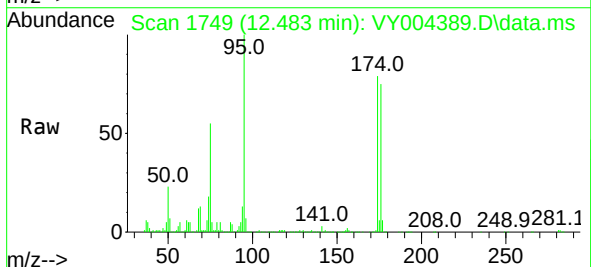
Instrument :
MSVOA_Y
ClientSampleId :

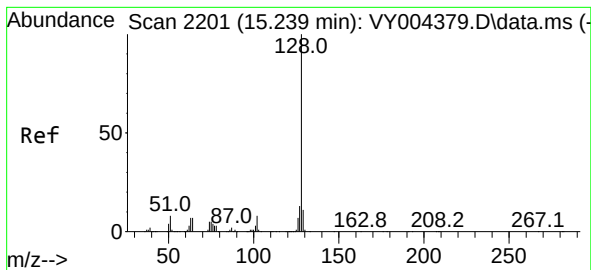
Tgt Ion: 156 Resp: 8708
Ion Ratio Lower Upper
156 100
77 0.0 98.6 295.7#
158 0.3 48.4 145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.64 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

Tgt Ion: 75 Resp: 73292
Ion Ratio Lower Upper
75 100
53 0.4 75.0 112.6#
89 0.1 36.1 54.1#





#95
Naphthalene
Concen: 1.40 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004389.D
Acq: 12 Apr 2021 17:13

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 7880
Ion Ratio Lower Upper
128 100
127 16.7 10.2 15.2#
129 17.3 8.8 13.2#

