

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004386.D
 Acq On : 12 Apr 2021 16:03
 Operator : SY/MD
 Sample : M1998-05
 Misc : 3.86G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 13 03:55:16 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)

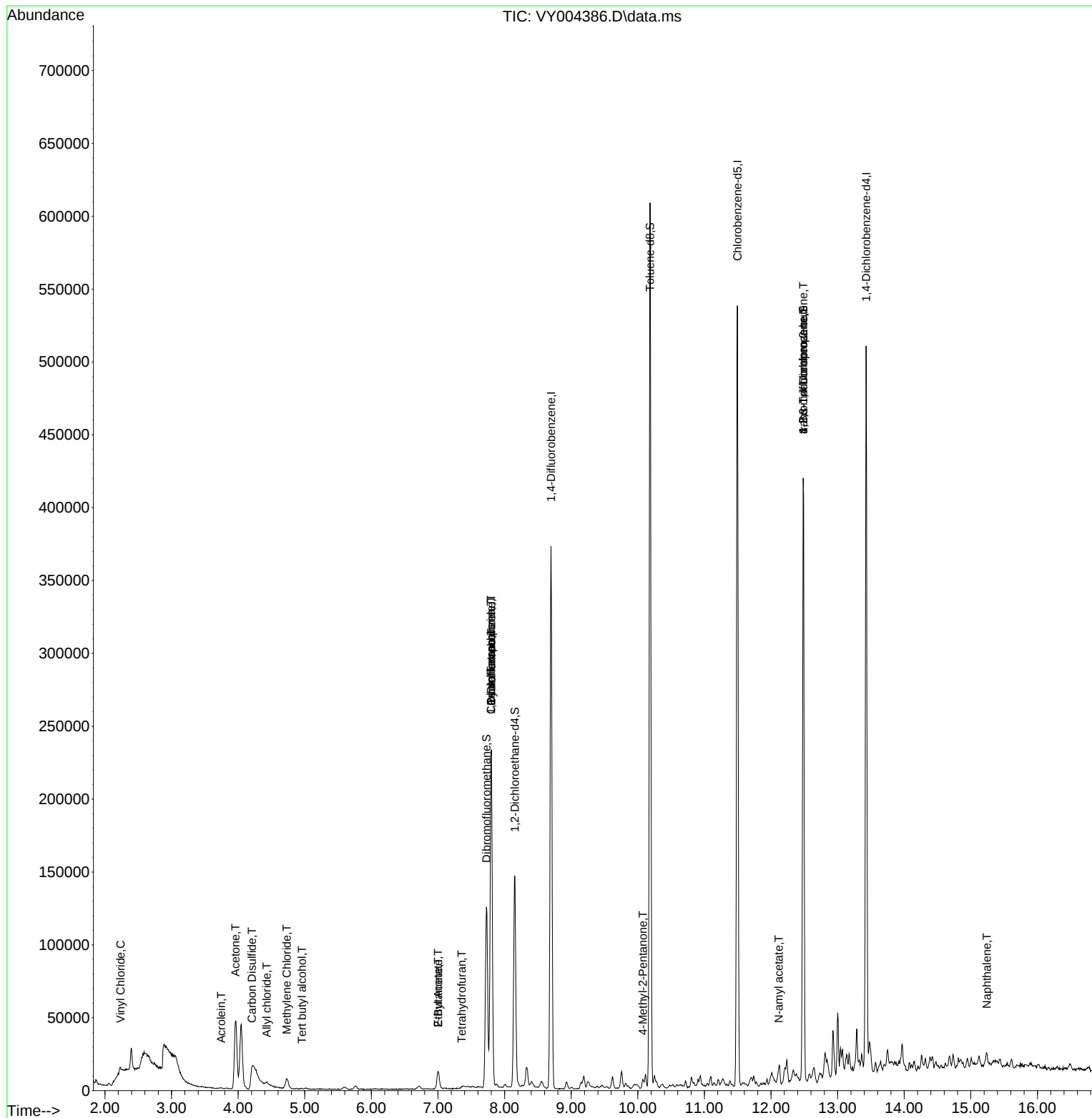
Internal Standards						
1) Pentafluorobenzene	7.801	168	176236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	304656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	279882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118588	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	111857	57.13	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.26%
35) Dibromofluoromethane	7.728	113	88380	52.27	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.54%
50) Toluene-d8	10.185	98	369302	51.35	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.70%
62) 4-Bromofluorobenzene	12.483	95	124054	50.83	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.66%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.235	62	5930	2.38	ug/l #	43
11) Tert butyl alcohol	4.960	59	580	3.01	ug/l #	73
13) Acrolein	3.747	56	394	1.84	ug/l	92
14) Allyl chloride	4.430	41	3686	1.13	ug/l #	29
16) Acetone	3.960	43	86181	203.81	ug/l	99
17) Carbon Disulfide	4.204	76	24919	4.73	ug/l	99
20) Methylene Chloride	4.728	84	4837	2.56	ug/l	93
25) 2-Butanone	7.002	43	20871	27.98	ug/l	100
29) Tetrahydrofuran	7.356	42	742	1.39	ug/l #	38
31) Cyclohexane	7.801	56	4552	1.27	ug/l #	12
36) 1,1-Dichloropropene	7.795	75	14200	4.69	ug/l #	51
37) Ethyl Acetate	7.002	43	20871	10.71	ug/l #	71
38) Carbon Tetrachloride	7.795	117	18031	6.89	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	3965	2.09	ug/l	94
74) N-amyl acetate	12.117	43	5912	1.92	ug/l #	61
76) 1,2,3-Trichloropropane	12.483	75	68428	53.76	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	68428	96.18	ug/l #	12
95) Naphthalene	15.239	128	6472	1.32	ug/l #	92

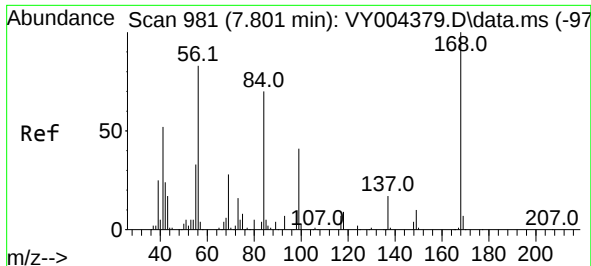
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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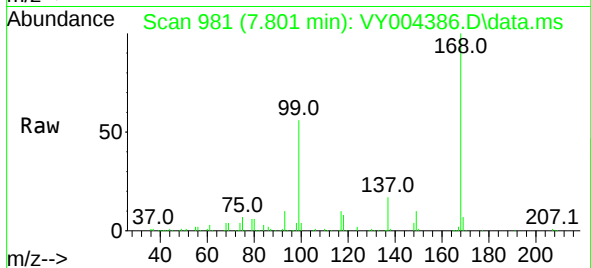
Quant Time: Apr 13 03:55:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
Response via : Initial Calibration



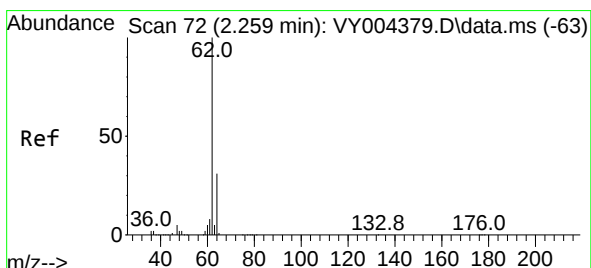
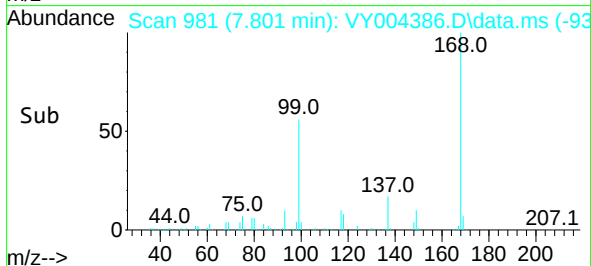
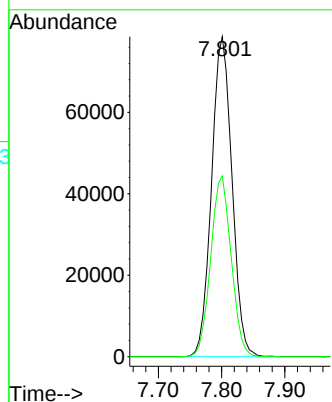


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

Instrument :
MSVOA_Y
ClientSampled :

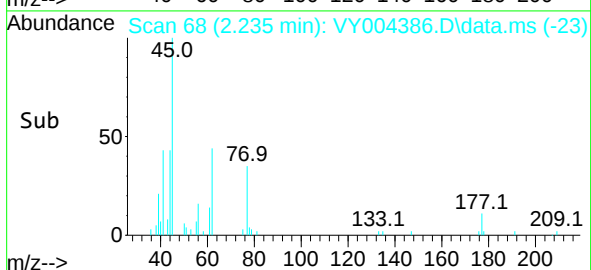
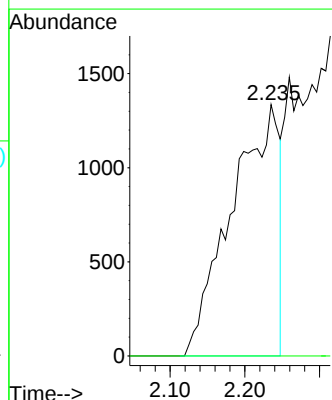
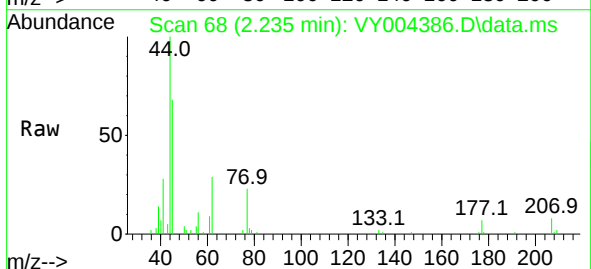


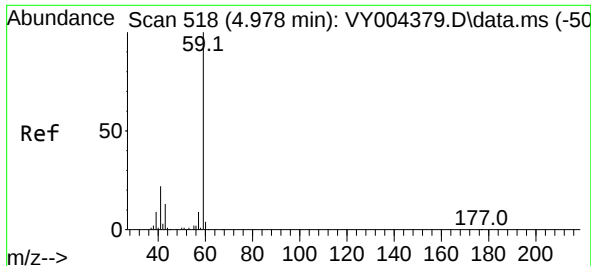
Tgt Ion:168 Resp: 176236
Ion Ratio Lower Upper
168 100
99 56.5 45.5 68.3



#4
Vinyl Chloride
Concen: 2.38 ug/l
RT: 2.235 min Scan# 68
Delta R.T. -0.024 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

Tgt Ion: 62 Resp: 5930
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

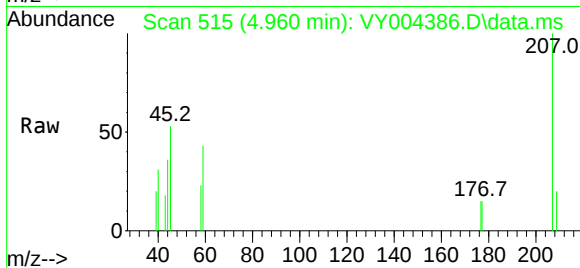




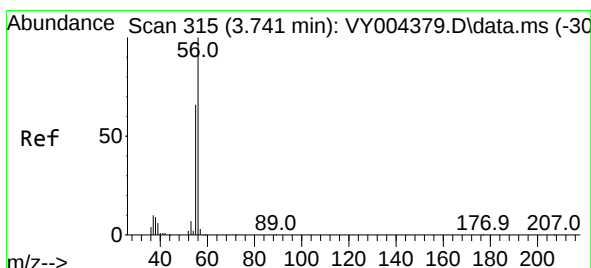
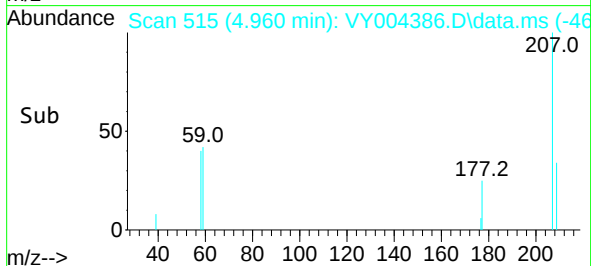
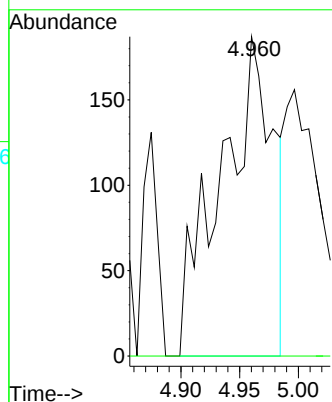
#11

Tert butyl alcohol
Concen: 3.01 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

Instrument :
MSVOA_Y
ClientSampled :



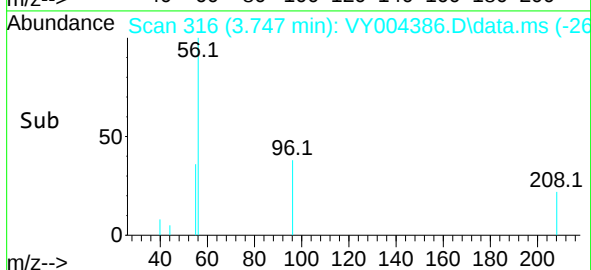
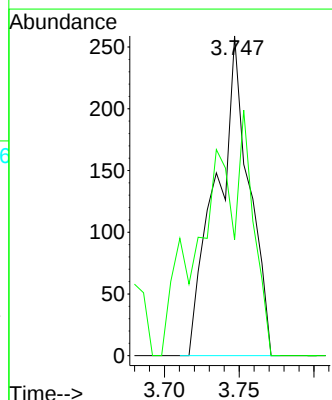
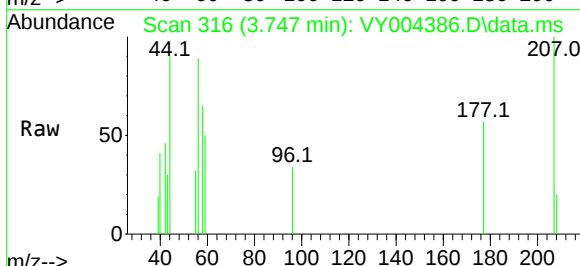
Tgt Ion: 59 Resp: 580
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

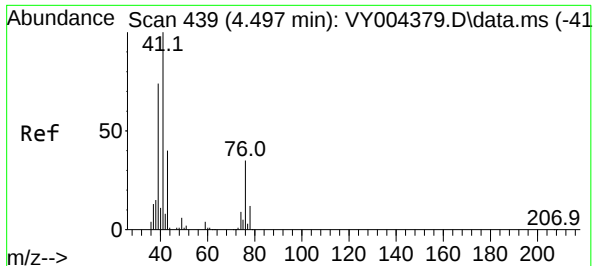


#13

Acrolein
Concen: 1.84 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

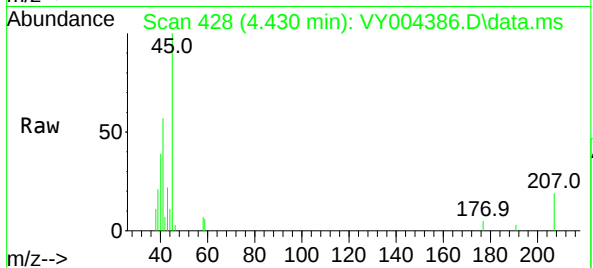
Tgt Ion: 56 Resp: 394
Ion Ratio Lower Upper
56 100
55 75.9 55.4 83.2



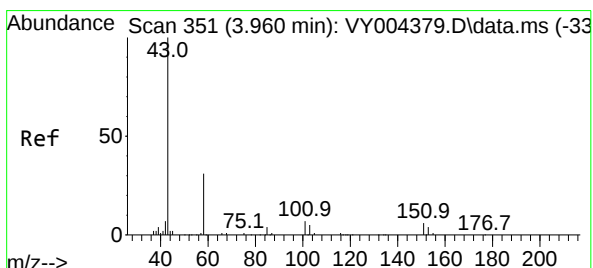
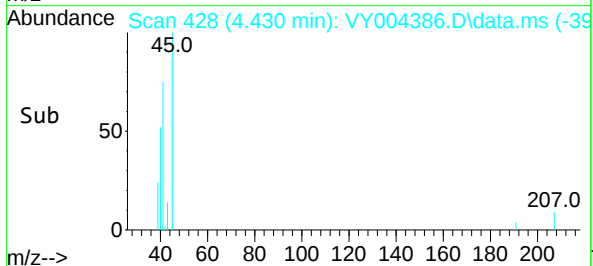
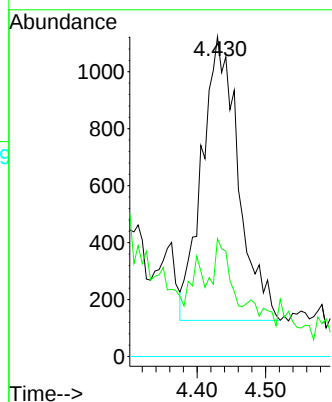


#14
 Allyl chloride
 Concen: 1.13 ug/l
 RT: 4.430 min Scan# 428
 Delta R.T. -0.067 min
 Lab File: VY004386.D
 Acq: 12 Apr 2021 16:03

Instrument :
 MSVOA_Y
 ClientSampleId :

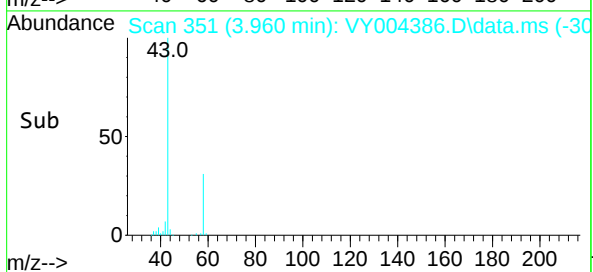
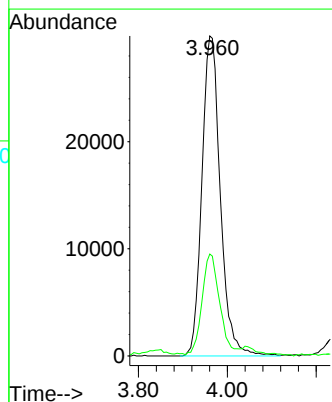
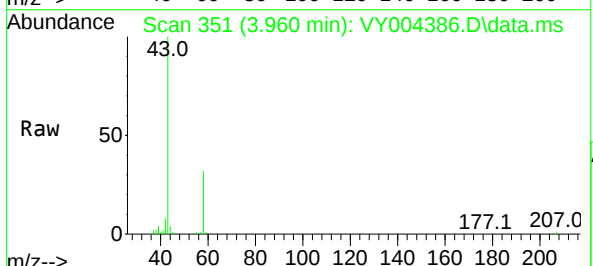


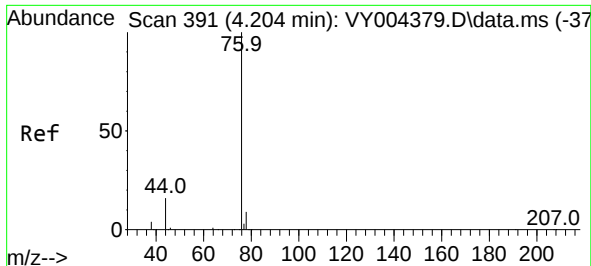
Tgt Ion: 41 Resp: 3686
 Ion Ratio Lower Upper
 41 100
 39 7.7 56.9 85.3#
 76 0.0 26.8 40.2#



#16
 Acetone
 Concen: 203.81 ug/l
 RT: 3.960 min Scan# 351
 Delta R.T. 0.000 min
 Lab File: VY004386.D
 Acq: 12 Apr 2021 16:03

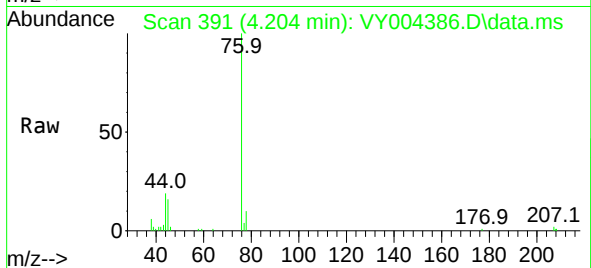
Tgt Ion: 43 Resp: 86181
 Ion Ratio Lower Upper
 43 100
 58 31.2 24.6 37.0



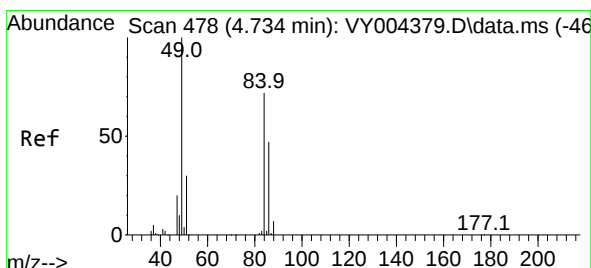
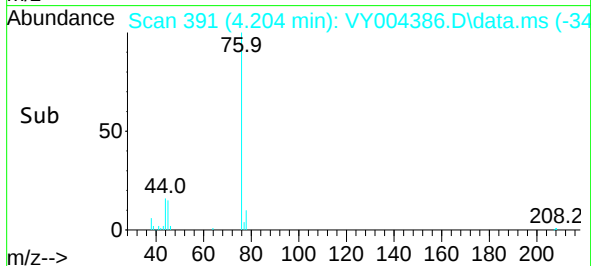
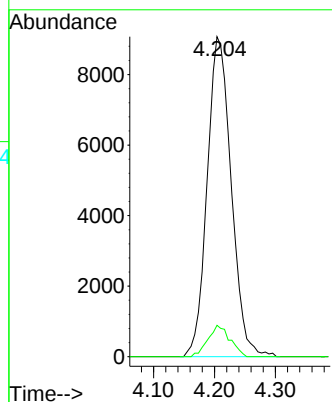


#17
Carbon Disulfide
Concen: 4.73 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

Instrument :
MSVOA_Y
ClientSampled :

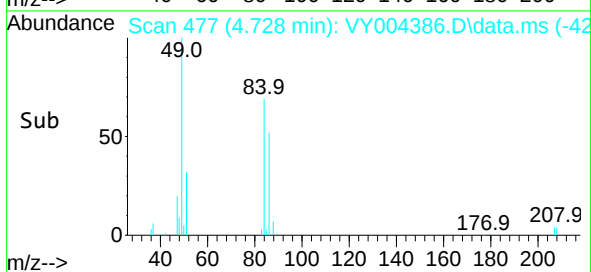
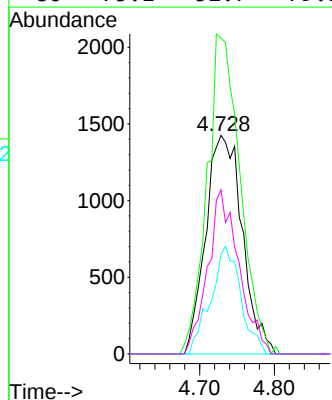
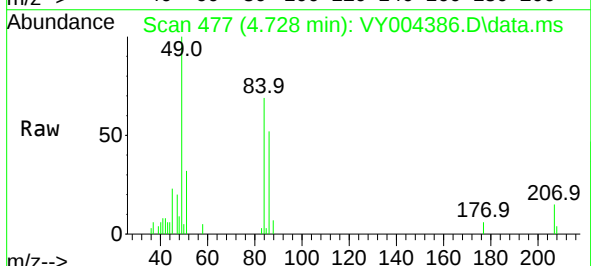


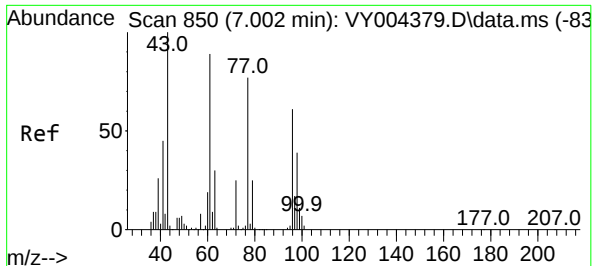
Tgt Ion: 76 Resp: 24919
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



#20
Methylene Chloride
Concen: 2.56 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

Tgt Ion: 84 Resp: 4837
Ion Ratio Lower Upper
84 100
49 144.6 111.2 166.8
51 45.5 33.4 50.2
86 75.1 52.7 79.1

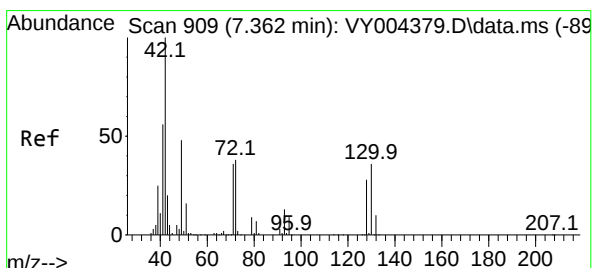
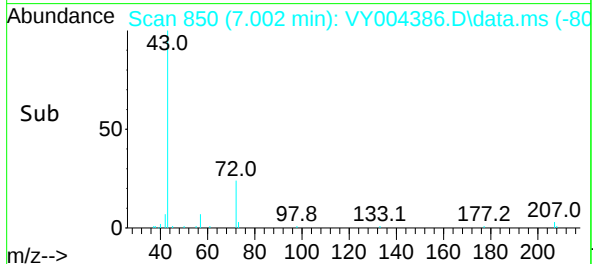
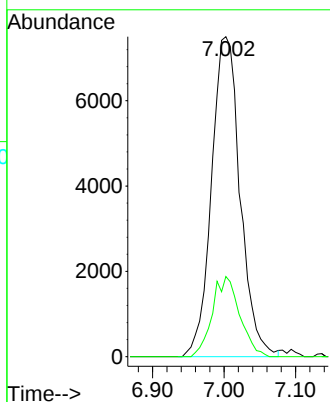
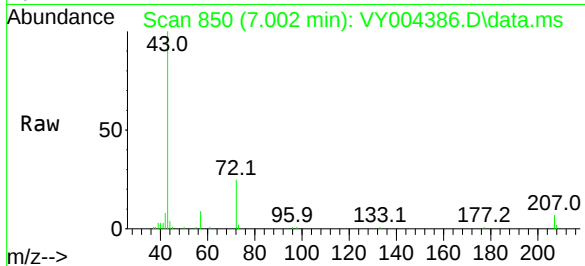




#25
2-Butanone
Concen: 27.98 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

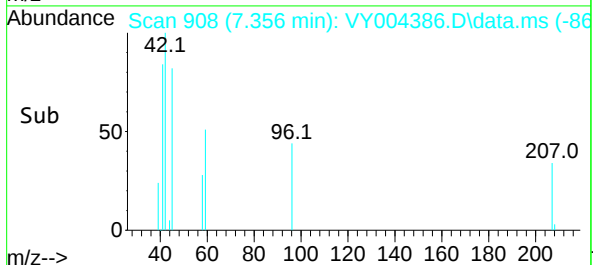
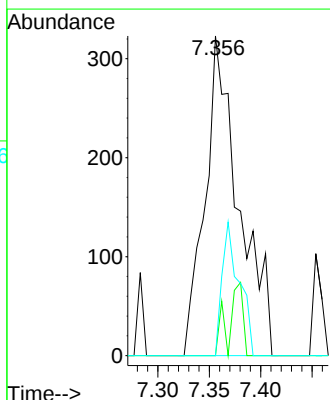
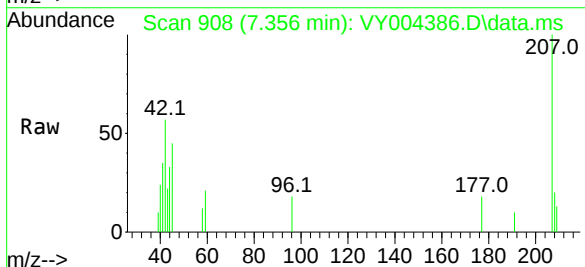
Instrument :
MSVOA_Y
ClientSampled :

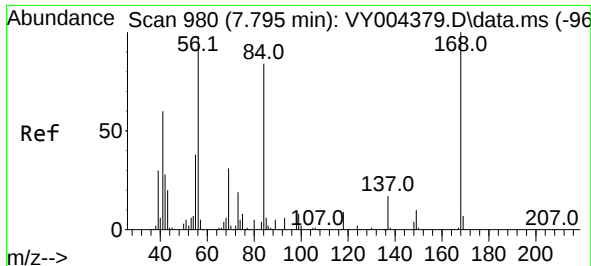
Tgt Ion: 43 Resp: 20871
Ion Ratio Lower Upper
43 100
72 25.0 20.2 30.2



#29
Tetrahydrofuran
Concen: 1.39 ug/l
RT: 7.356 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

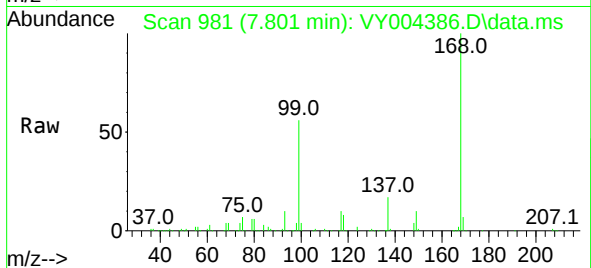
Tgt Ion: 42 Resp: 742
Ion Ratio Lower Upper
42 100
72 0.0 31.0 46.4#
71 0.0 28.8 43.2#



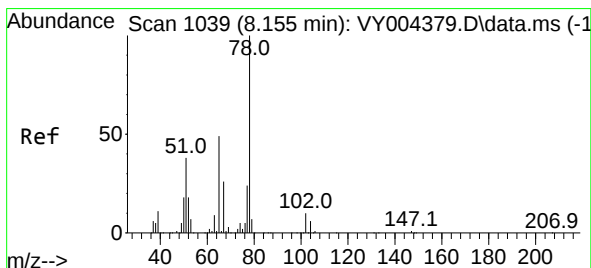
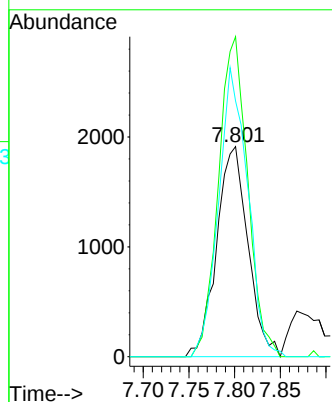
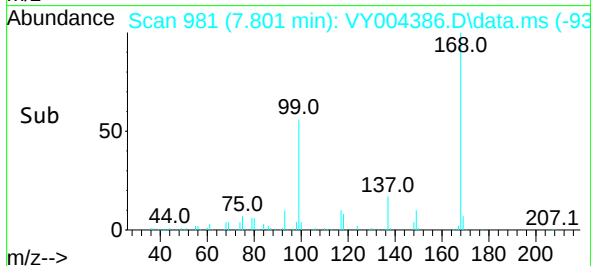


#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

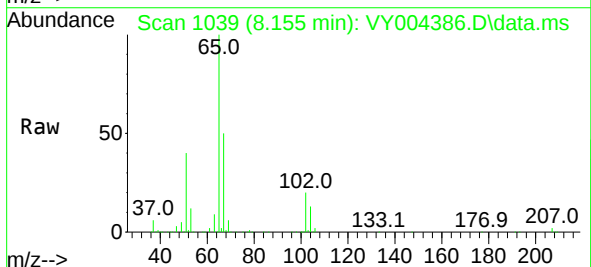
Instrument :
MSVOA_Y
ClientSampled :



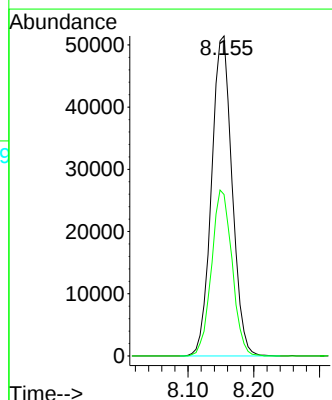
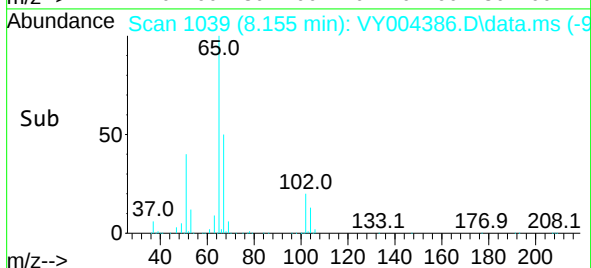
Tgt Ion: 56 Resp: 4552
Ion Ratio Lower Upper
56 100
69 152.4 25.8 38.6#
84 121.8 68.2 102.4#

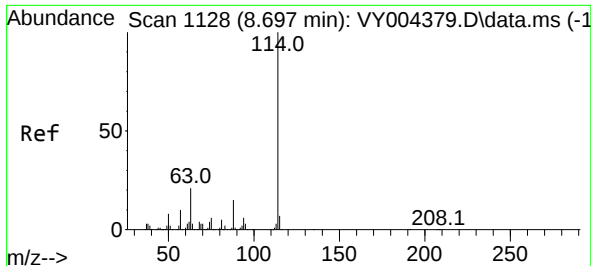


#33
1,2-Dichloroethane-d4
Concen: 57.13 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03



Tgt Ion: 65 Resp: 111857
Ion Ratio Lower Upper
65 100
67 51.9 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: VY004386.D

Acq: 12 Apr 2021 16:03

Tgt Ion:114 Resp: 304656

Ion Ratio Lower Upper

114 100

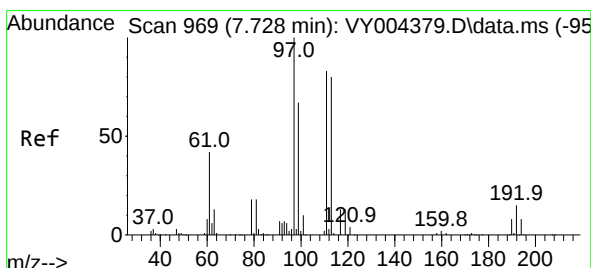
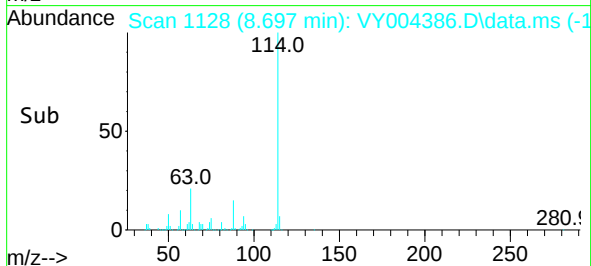
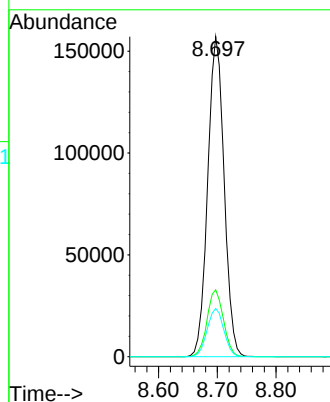
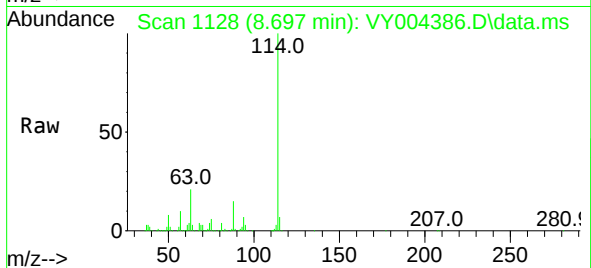
63 20.9 0.0 42.4

88 15.1 0.0 30.8

Instrument :

MSVOA_Y

ClientSampleId :



#35

Dibromofluoromethane

Concen: 52.27 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004386.D

Acq: 12 Apr 2021 16:03

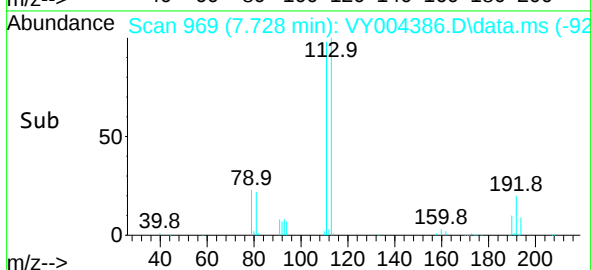
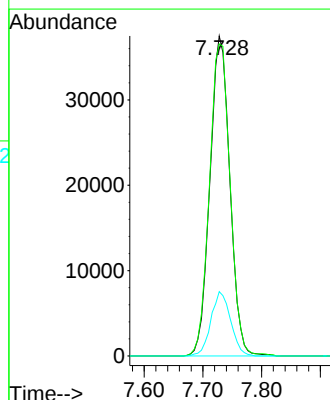
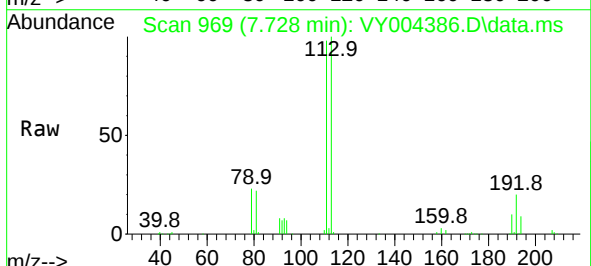
Tgt Ion:113 Resp: 88380

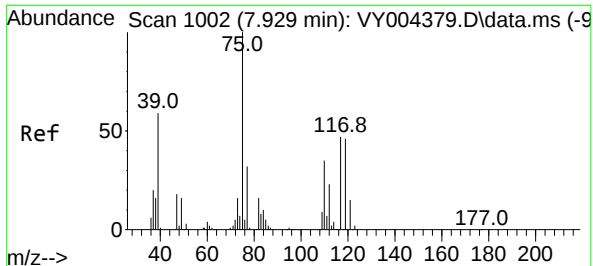
Ion Ratio Lower Upper

113 100

111 101.3 82.6 123.8

192 19.9 16.1 24.1

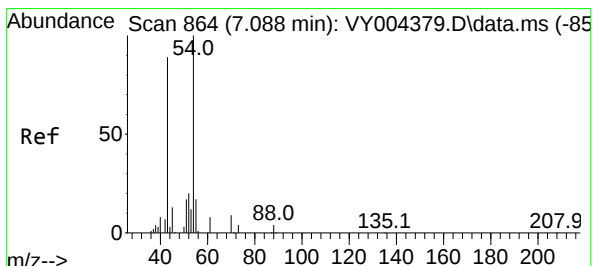
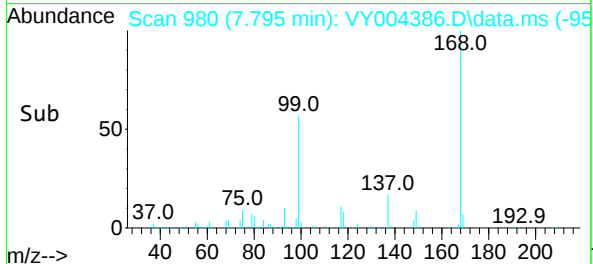
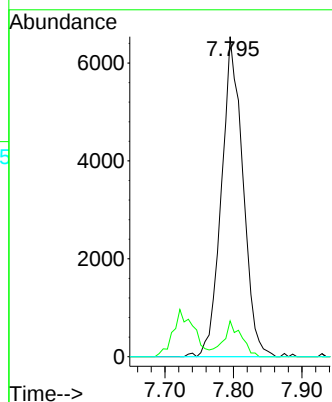
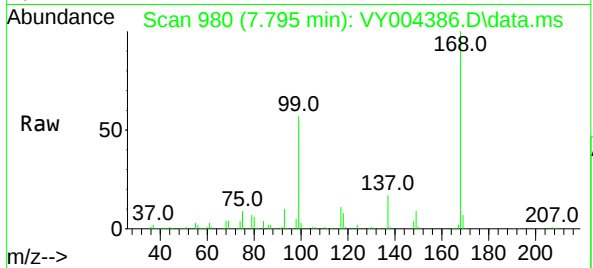




#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

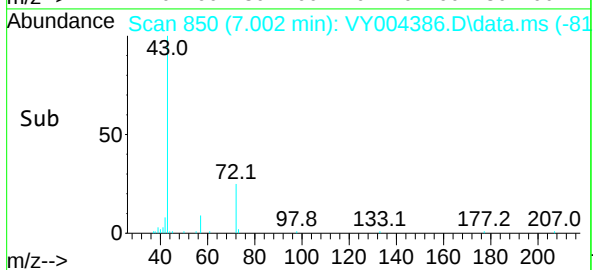
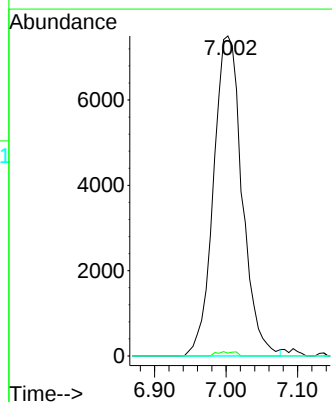
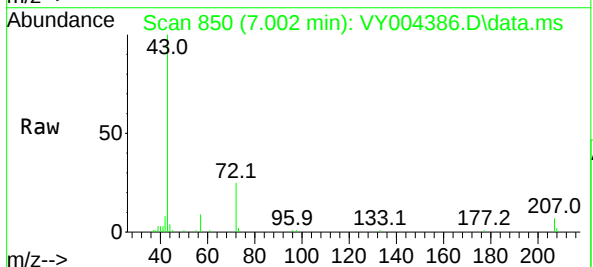
Instrument :
MSVOA_Y
ClientSampled :

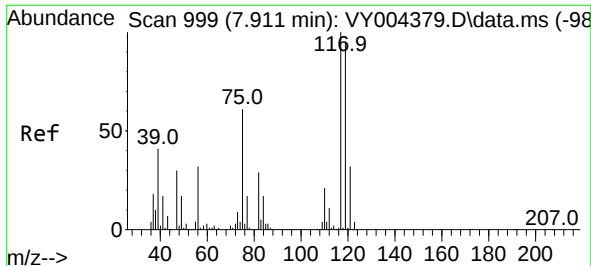
Tgt Ion: 75 Resp: 14200
Ion Ratio Lower Upper
75 100
110 9.3 17.3 51.7#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 10.71 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.085 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

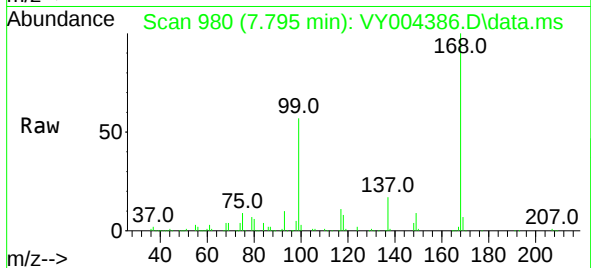
Tgt Ion: 43 Resp: 20871
Ion Ratio Lower Upper
43 100
61 0.9 10.4 15.6#
70 0.0 7.5 11.3#



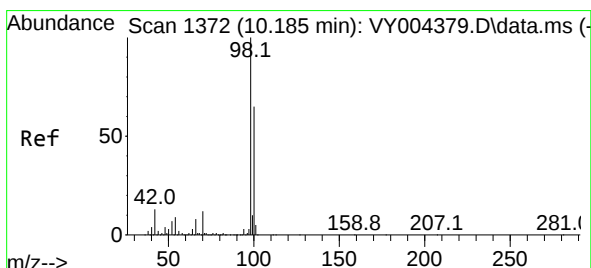
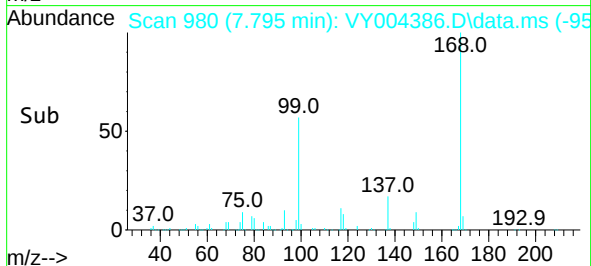
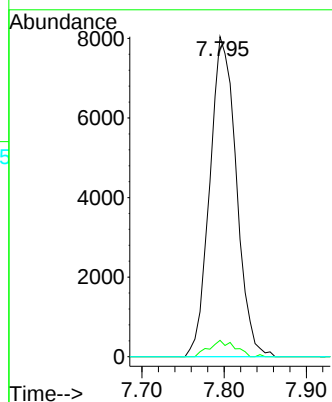


#38
Carbon Tetrachloride
Concen: 6.89 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

Instrument :
MSVOA_Y
ClientSampleId :

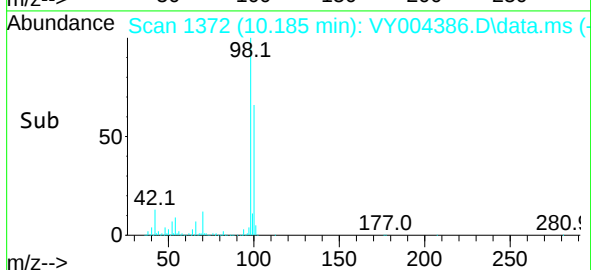
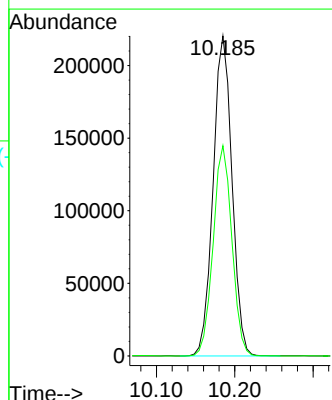
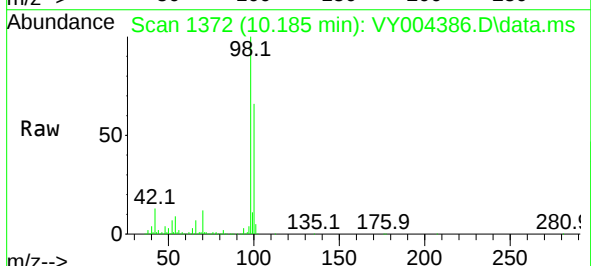


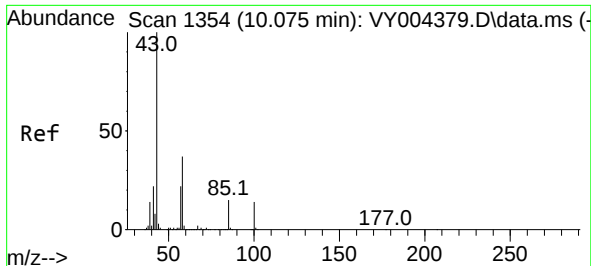
Tgt Ion:117 Resp: 18031
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 51.35 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

Tgt Ion: 98 Resp: 369302
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6

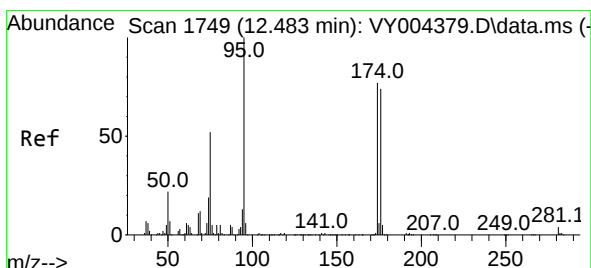
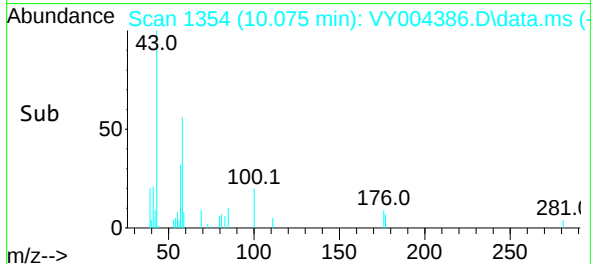
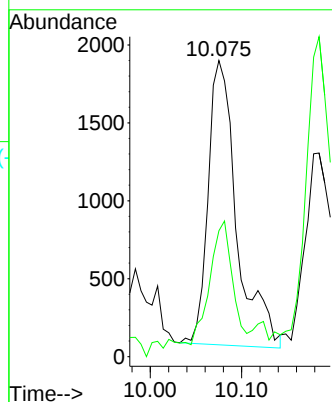
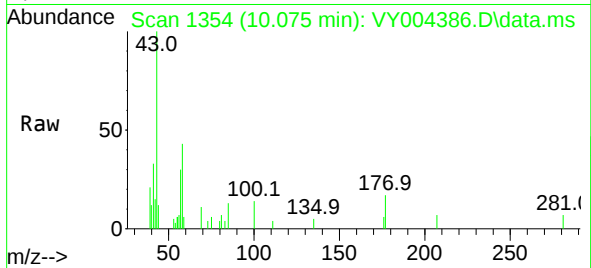




#51
4-Methyl-2-Pentanone
Concen: 2.09 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

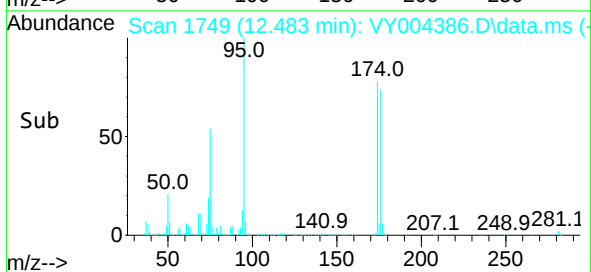
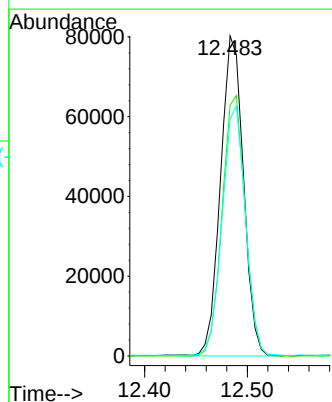
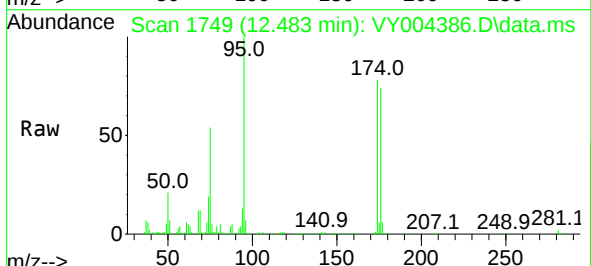
Instrument :
MSVOA_Y
ClientSampled :

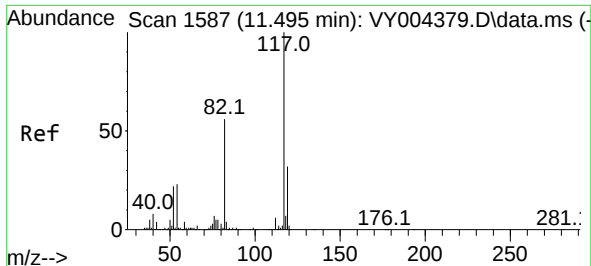
Tgt Ion: 43 Resp: 3965
Ion Ratio Lower Upper
43 100
58 33.2 29.2 43.8



#62
4-Bromofluorobenzene
Concen: 50.83 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

Tgt Ion: 95 Resp: 124054
Ion Ratio Lower Upper
95 100
174 81.9 0.0 162.4
176 79.2 0.0 156.0

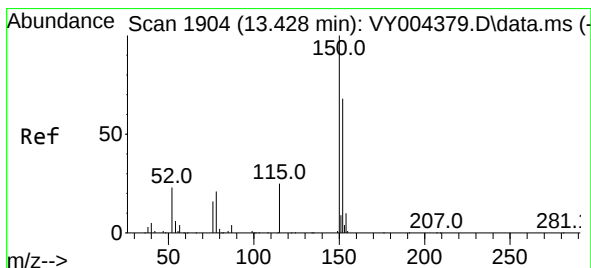
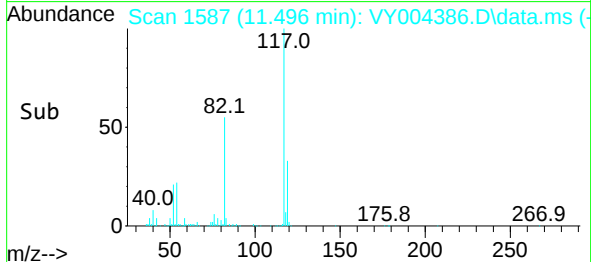
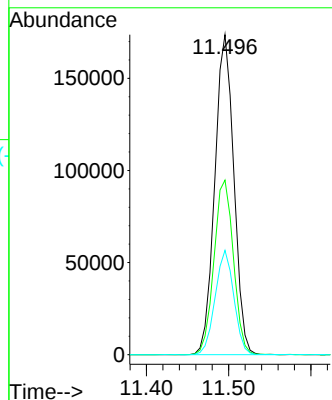
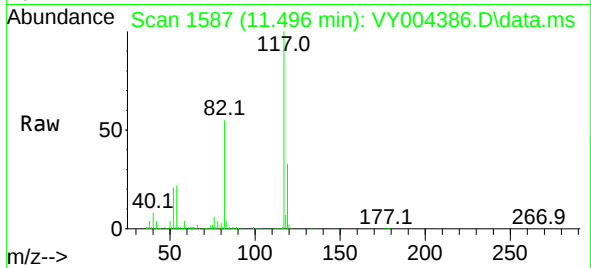




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

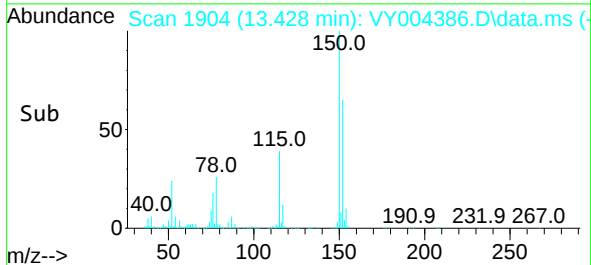
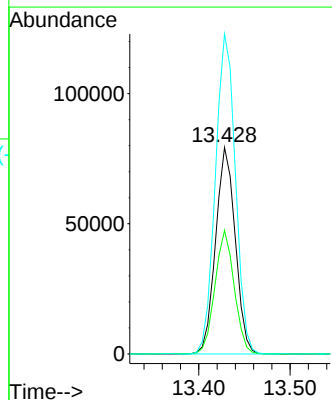
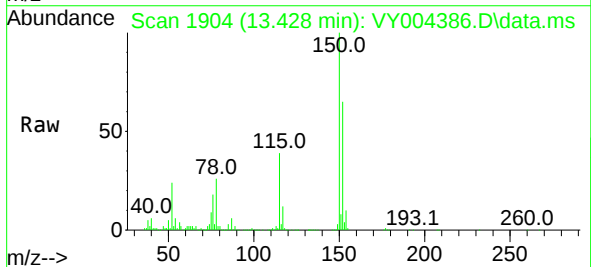
Instrument :
MSVOA_Y
ClientSampleId :

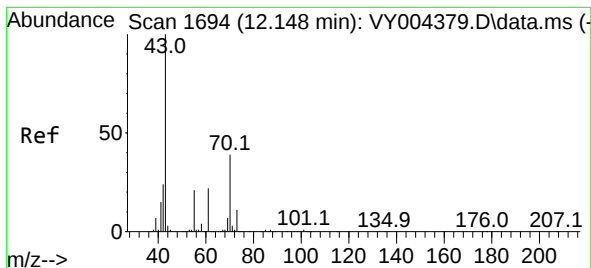
Tgt Ion:117 Resp: 279882
Ion Ratio Lower Upper
117 100
82 54.5 44.9 67.3
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

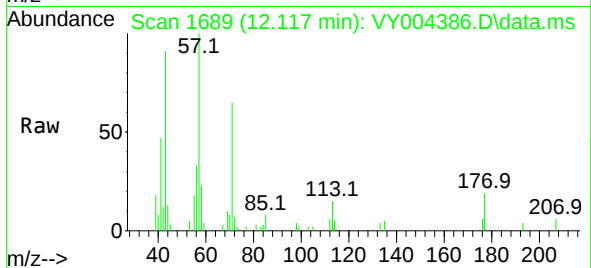
Tgt Ion:152 Resp: 118588
Ion Ratio Lower Upper
152 100
115 58.9 29.6 88.8
150 158.0 0.0 348.4



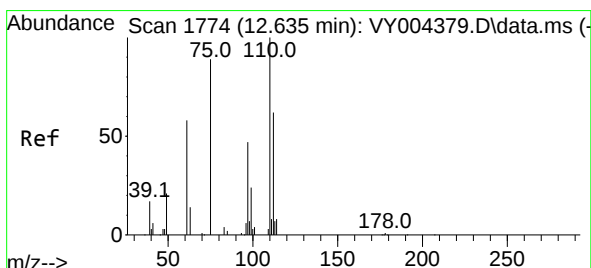
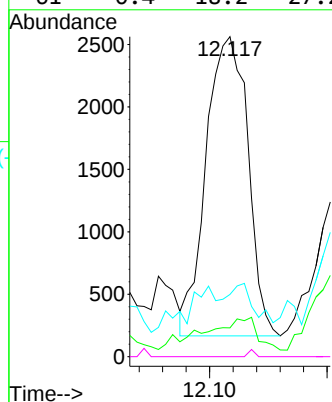
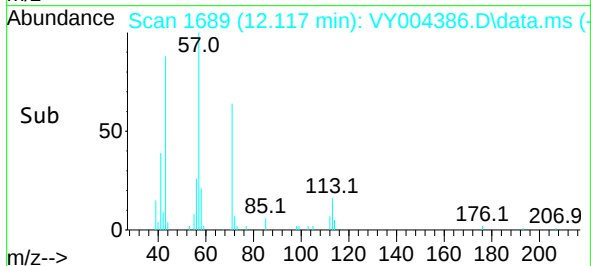


#74
N-amy1 acetate
Concen: 1.92 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.030 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

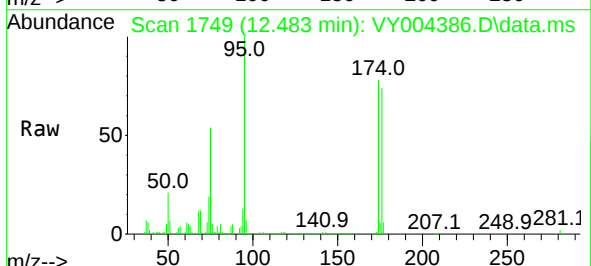
Instrument :
MSVOA_Y
ClientSampleId :



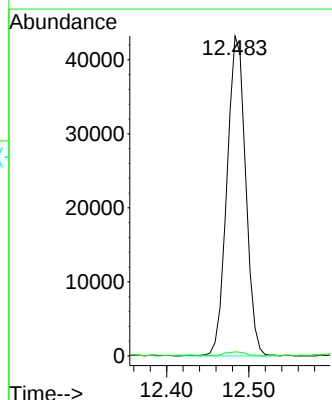
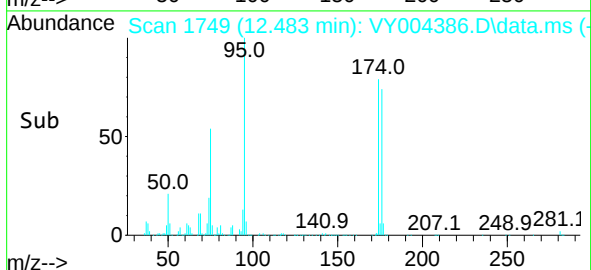
Tgt Ion: 43	Resp: 5912
Ion Ratio	Lower Upper
43	100
70	13.9 30.4 45.6#
55	6.9 17.4 26.0#
61	0.4 18.2 27.2#

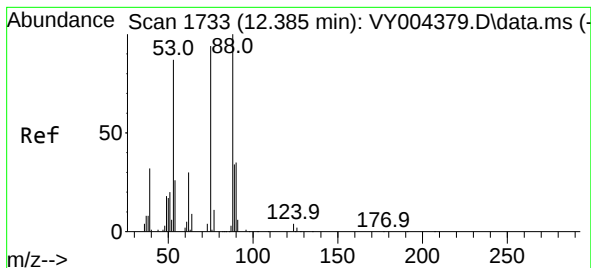


#76
1,2,3-Trichloropropane
Concen: 53.76 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03



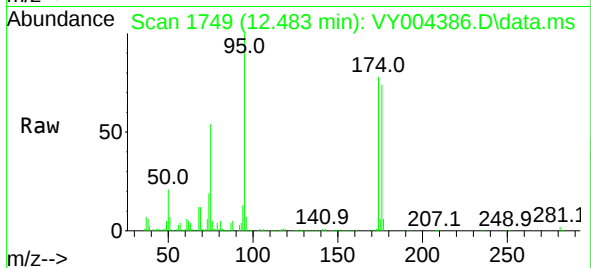
Tgt Ion: 75	Resp: 68428
Ion Ratio	Lower Upper
75	100
77	1.5 0.0 0.0#



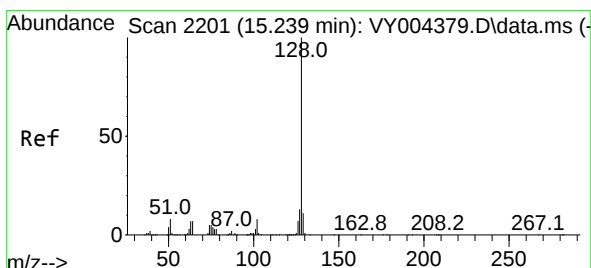
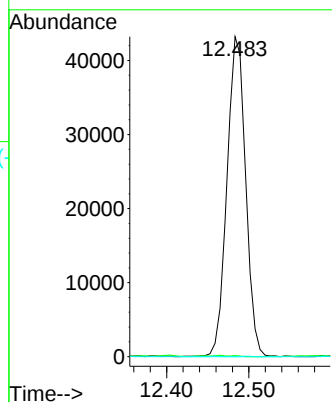
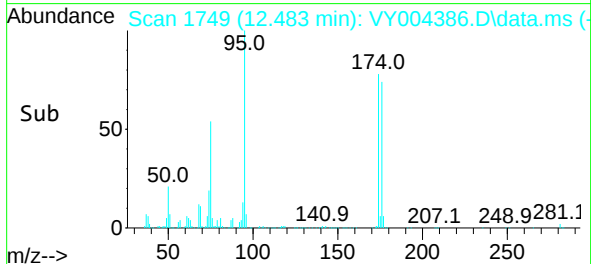


#81
trans-1,4-Dichloro-2-butene
Concen: 96.18 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03

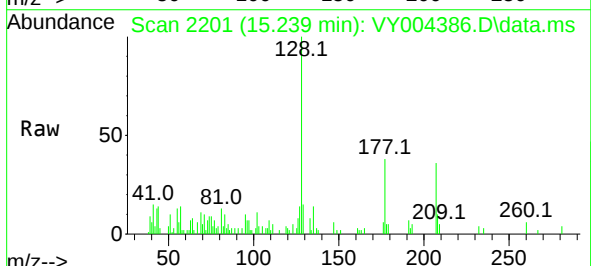
Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 75 Resp: 68428
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.1 36.1 54.1#



#95
Naphthalene
Concen: 1.32 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004386.D
Acq: 12 Apr 2021 16:03



Tgt Ion: 128 Resp: 6472
Ion Ratio Lower Upper
128 100
127 16.7 10.2 15.2#
129 13.3 8.8 13.2#

