

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004387.D
 Acq On : 12 Apr 2021 16:26
 Operator : SY/MD
 Sample : M1998-06
 Misc : 3.61G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

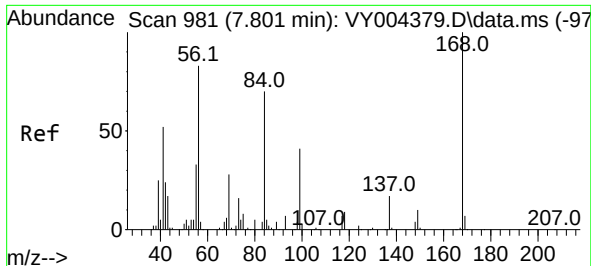
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4B

Quant Time: Apr 13 03:55:32 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)

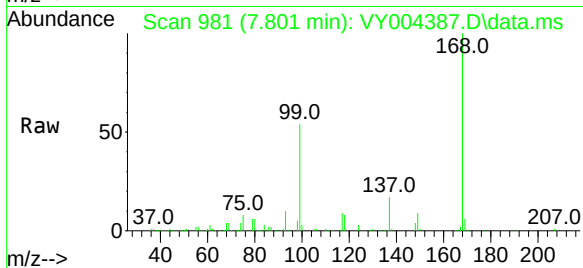
Internal Standards						
1) Pentafluorobenzene	7.801	168	184595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	320568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	295685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130424	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	114469	55.81	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.62%
35) Dibromofluoromethane	7.728	113	89486	50.30	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.60%
50) Toluene-d8	10.185	98	393953	52.06	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.12%
62) 4-Bromofluorobenzene	12.483	95	133122	51.84	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.68%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	2506	1.01	ug/l	96
11) Tert butyl alcohol	4.948	59	908	4.49	ug/l #	73
13) Acrolein	3.747	56	424	1.89	ug/l #	65
16) Acetone	3.960	43	125536	291.58	ug/l	99
17) Carbon Disulfide	4.204	76	43037	7.80	ug/l	99
20) Methylene Chloride	4.728	84	5276	2.66	ug/l	97
25) 2-Butanone	7.002	43	34453	44.10	ug/l	94
29) Tetrahydrofuran	7.368	42	599	1.07	ug/l #	45
31) Cyclohexane	7.801	56	4778	1.27	ug/l #	7
36) 1,1-Dichloropropene	7.801	75	14870	4.67	ug/l #	50
37) Ethyl Acetate	7.002	43	34453	16.80	ug/l #	70
38) Carbon Tetrachloride	7.801	117	18194	6.61	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	5053	2.53	ug/l #	84
59) 2-Hexanone	10.910	43	1352	1.01	ug/l	67
74) N-amyl acetate	12.111	43	11673	3.44	ug/l #	59
76) 1,2,3-Trichloropropane	12.483	75	73097	52.22	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	73097	93.41	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.135	105	8805	1.07	ug/l #	56
95) Naphthalene	15.239	128	9187	1.71	ug/l #	93

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

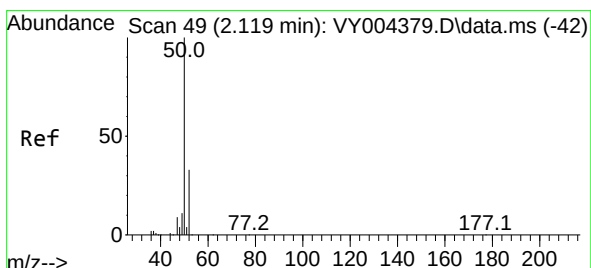
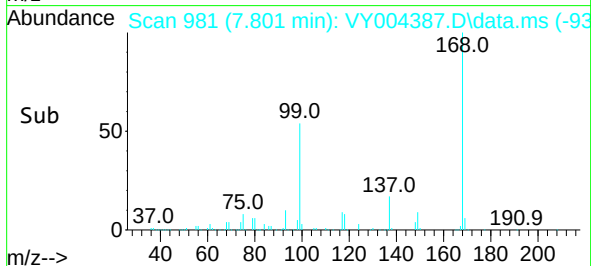
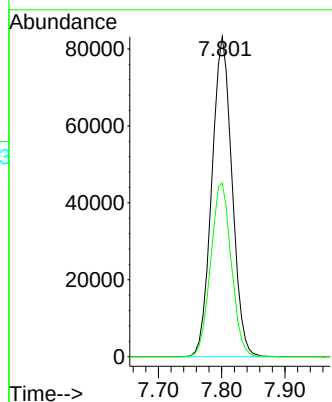


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004387.D
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MSVOA_Y
ClientSampled :
SB-4B

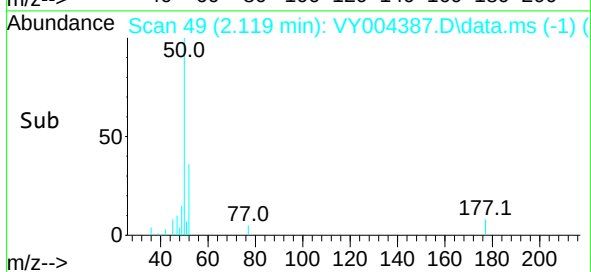
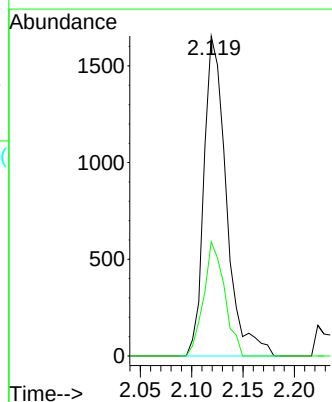
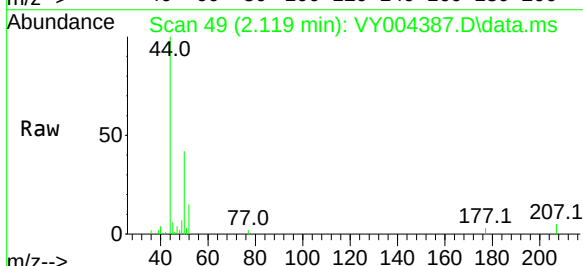


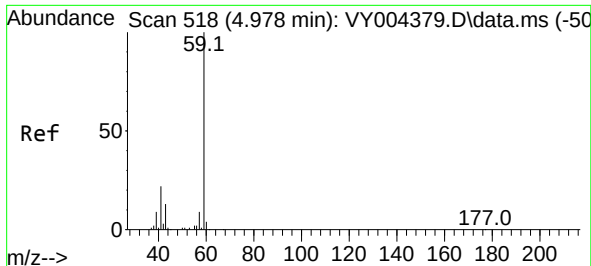
Tgt Ion:168 Resp: 184595
Ion Ratio Lower Upper
168 100
99 54.2 45.5 68.3



#3
Chloromethane
Concen: 1.01 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

Tgt Ion: 50 Resp: 2506
Ion Ratio Lower Upper
50 100
52 35.7 26.6 39.8

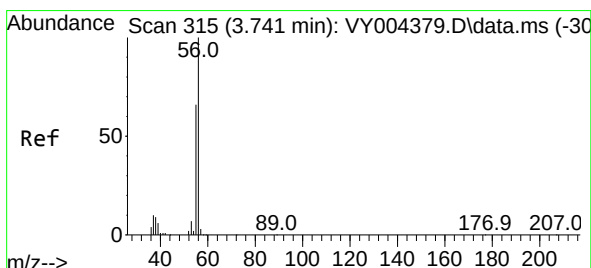
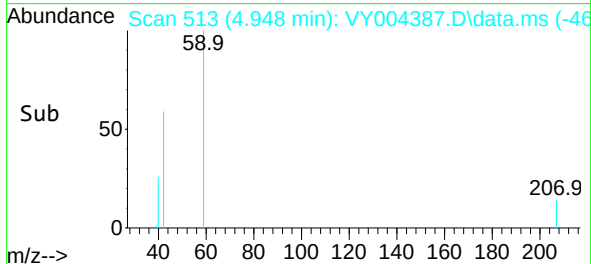
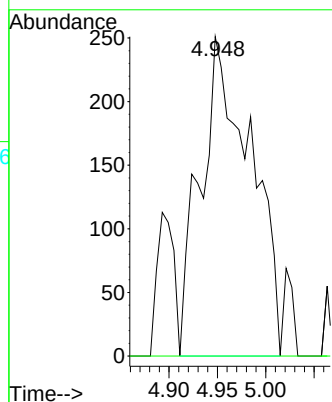
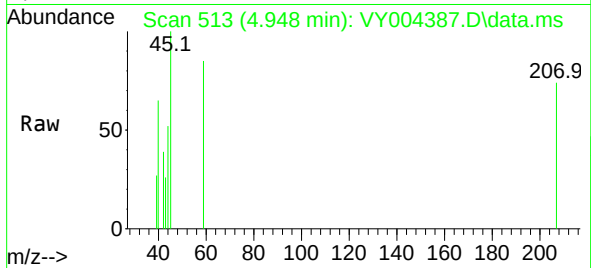




#11
Tert butyl alcohol
Concen: 4.49 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

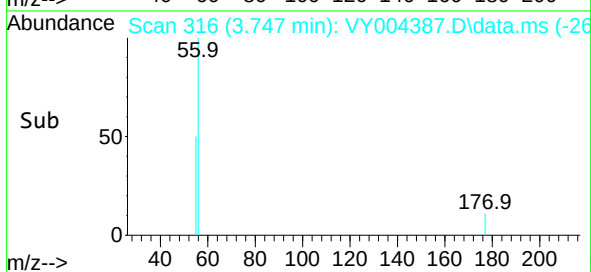
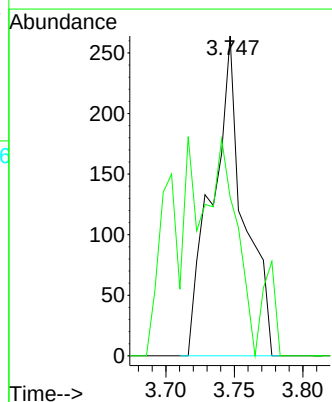
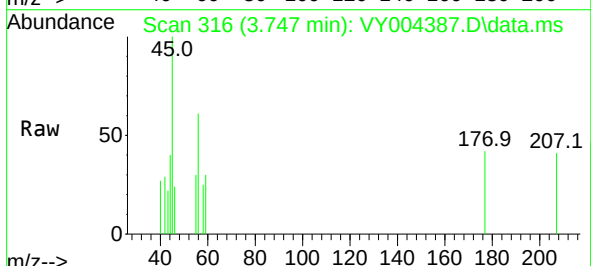
Instrument :
MSVOA_Y
ClientSampled :
SB-4B

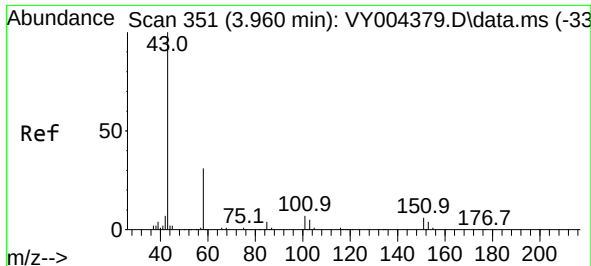
Tgt Ion: 59 Resp: 908
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 1.89 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

Tgt Ion: 56 Resp: 424
Ion Ratio Lower Upper
56 100
55 40.6 55.4 83.2#

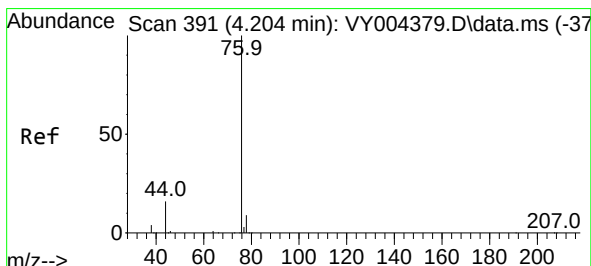
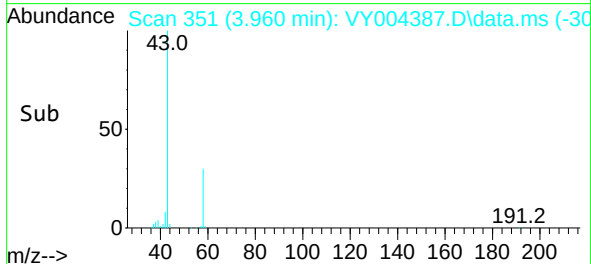
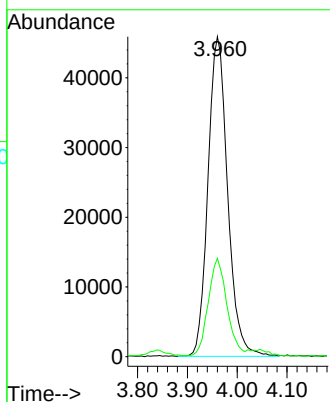
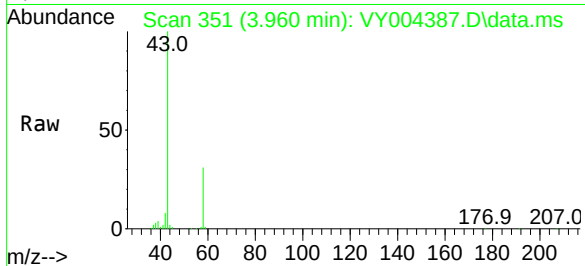




#16
Acetone
Concen: 291.58 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

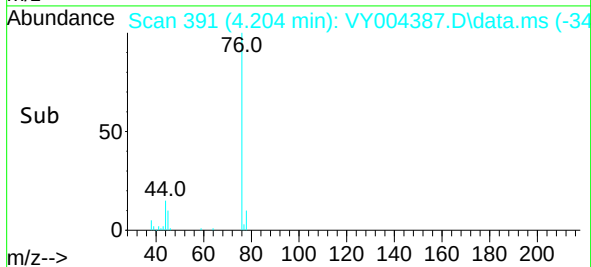
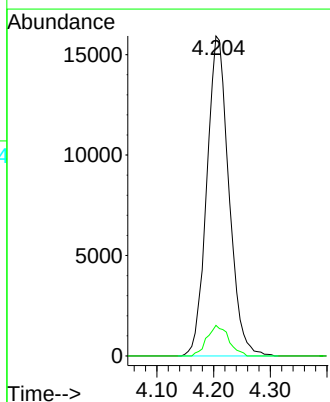
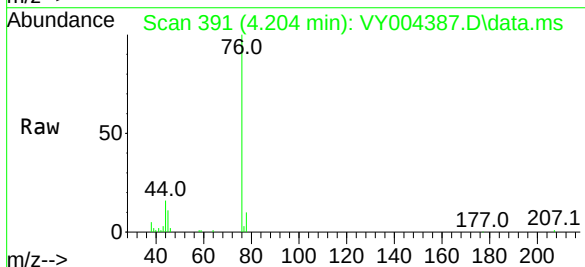
Instrument :
MSVOA_Y
ClientSampled :
SB-4B

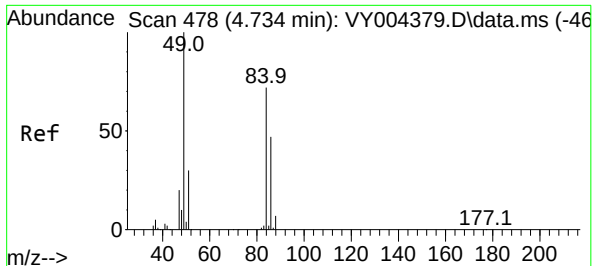
Tgt Ion: 43 Resp: 125536
Ion Ratio Lower Upper
43 100
58 30.2 24.6 37.0



#17
Carbon Disulfide
Concen: 7.80 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

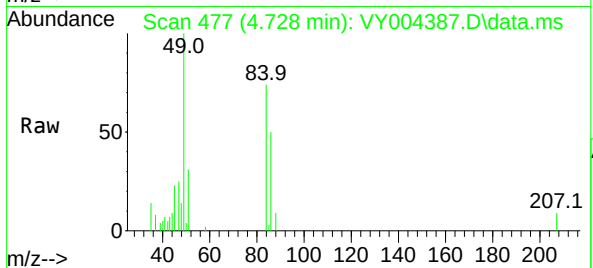
Tgt Ion: 76 Resp: 43037
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



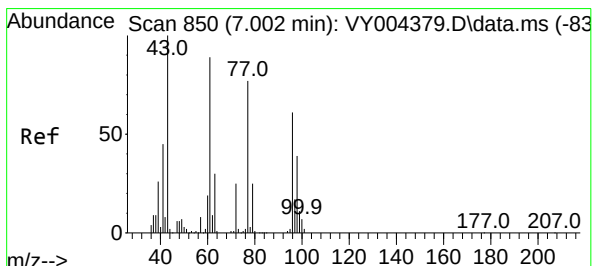
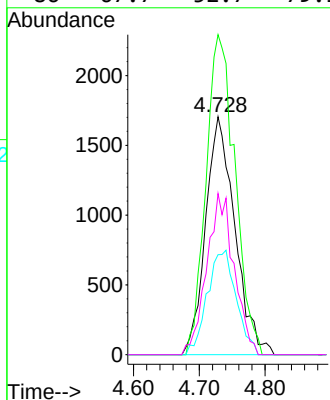
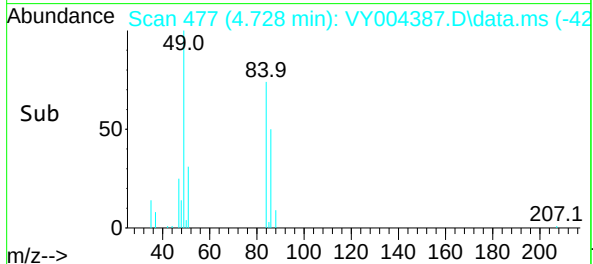


#20
Methylene Chloride
Concen: 2.66 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

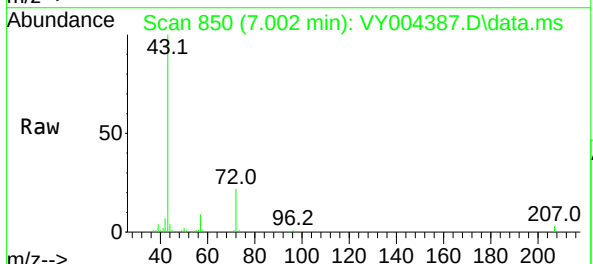
Instrument :
MSVOA_Y
ClientSampled :
SB-4B



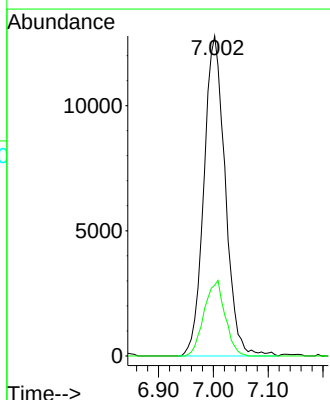
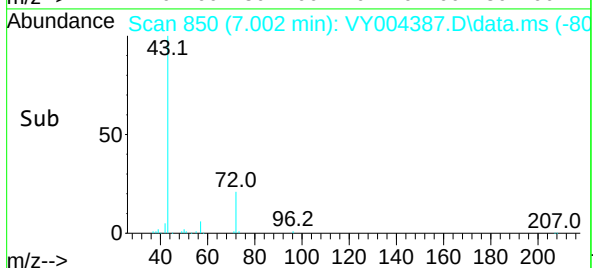
Tgt Ion:	84	Resp:	5276
Ion	Ratio	Lower	Upper
84	100		
49	134.5	111.2	166.8
51	42.0	33.4	50.2
86	67.7	52.7	79.1

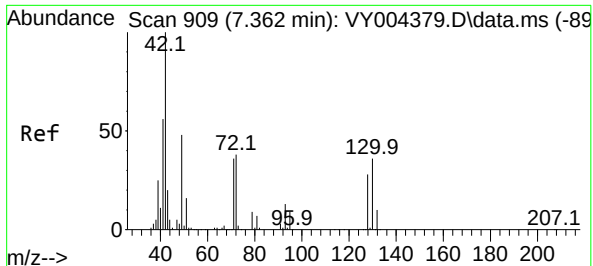


#25
2-Butanone
Concen: 44.10 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26



Tgt Ion:	43	Resp:	34453
Ion	Ratio	Lower	Upper
43	100		
72	22.1	20.2	30.2





#29

Tetrahydrofuran

Concen: 1.07 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY004387.D

Acq: 12 Apr 2021 16:26

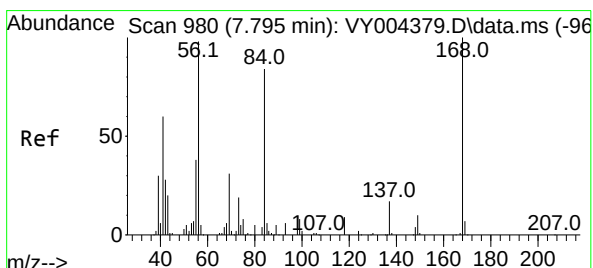
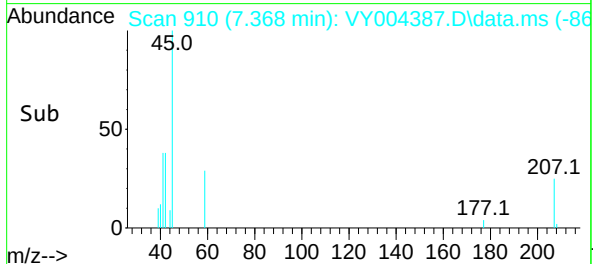
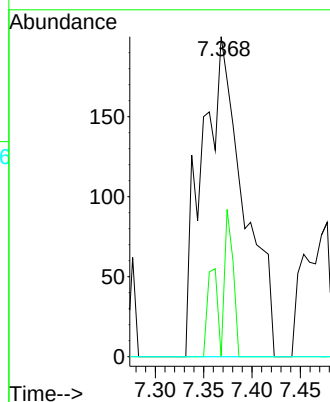
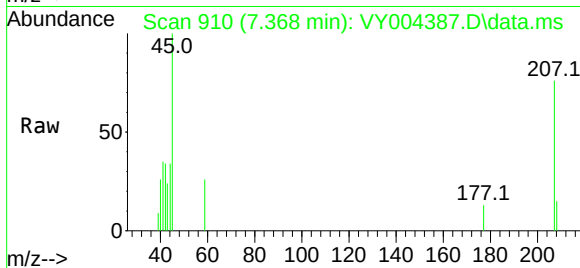
Instrument :

MSVOA_Y

ClientSampleId :

SB-4B

Tgt Ion:	42	Resp:	599
Ion	Ratio	Lower	Upper
42	100		
72	9.3	31.0	46.4#
71	0.0	28.8	43.2#



#31

Cyclohexane

Concen: 1.27 ug/l

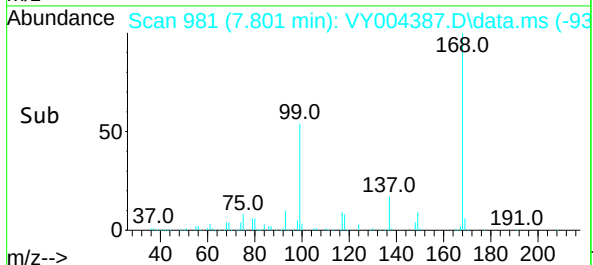
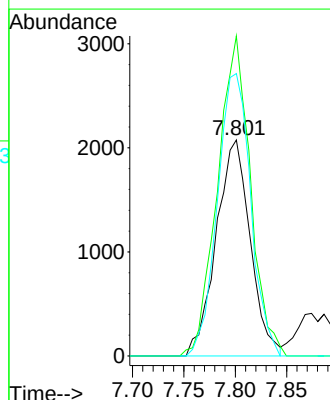
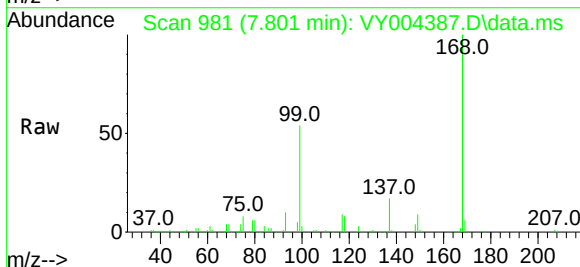
RT: 7.801 min Scan# 981

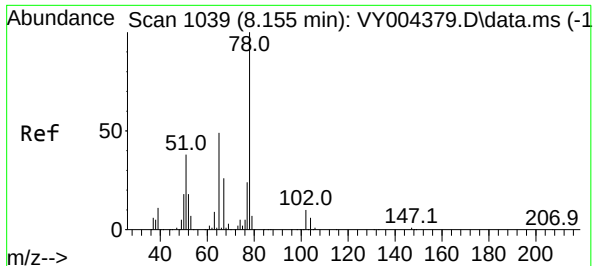
Delta R.T. 0.006 min

Lab File: VY004387.D

Acq: 12 Apr 2021 16:26

Tgt Ion:	56	Resp:	4778
Ion	Ratio	Lower	Upper
56	100		
69	148.2	25.8	38.6#
84	130.8	68.2	102.4#

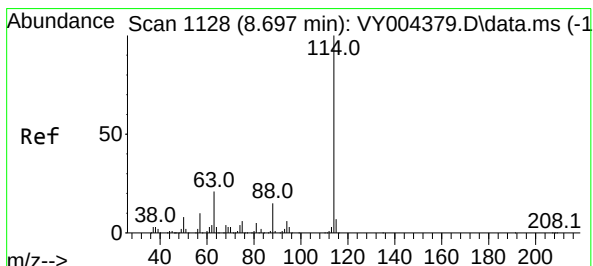
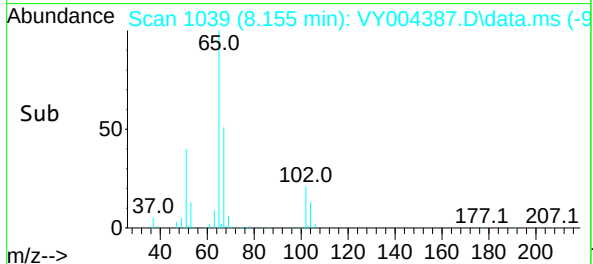
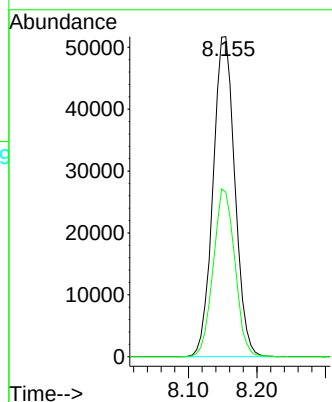
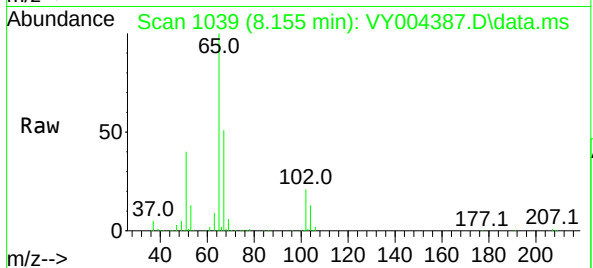




#33
1,2-Dichloroethane-d4
Concen: 55.81 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

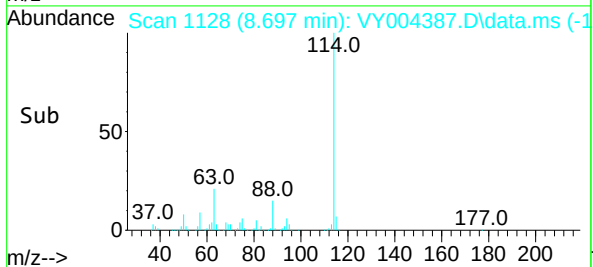
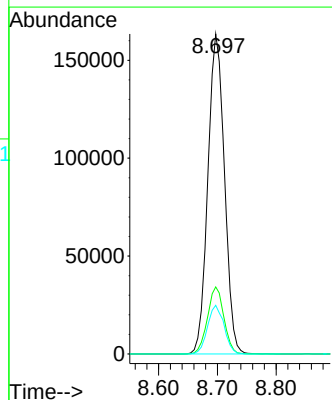
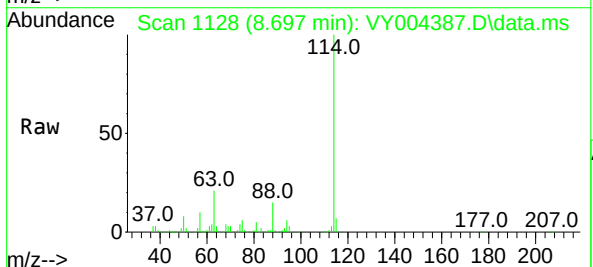
Instrument :
MSVOA_Y
ClientSampled :
SB-4B

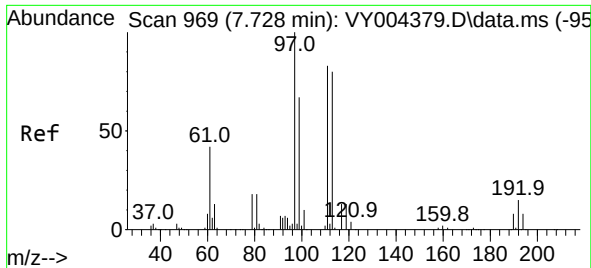
Tgt Ion: 65 Resp: 114469
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

Tgt Ion: 114 Resp: 320568
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.4
88 15.2 0.0 30.8

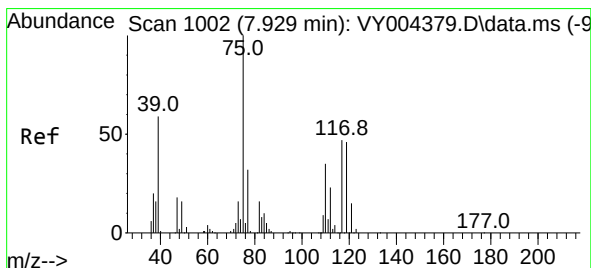
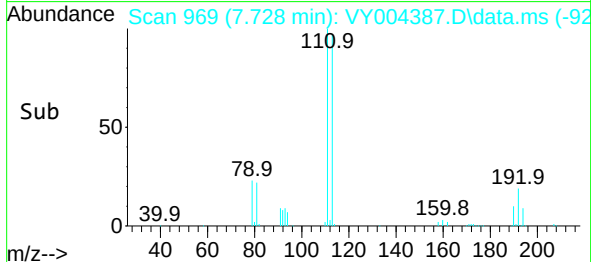
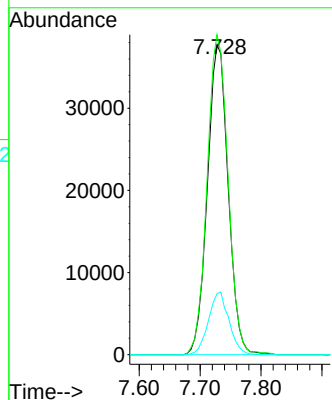
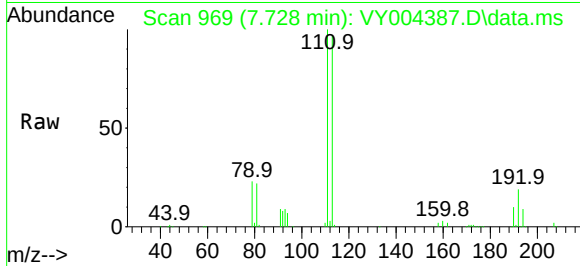




#35
Dibromofluoromethane
Concen: 50.30 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

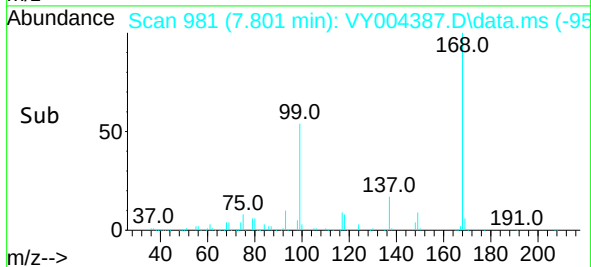
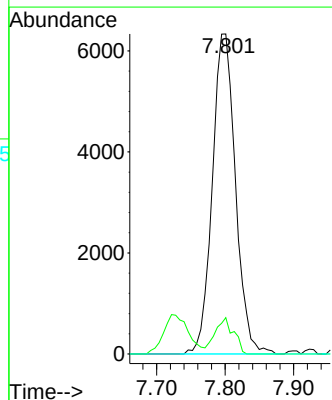
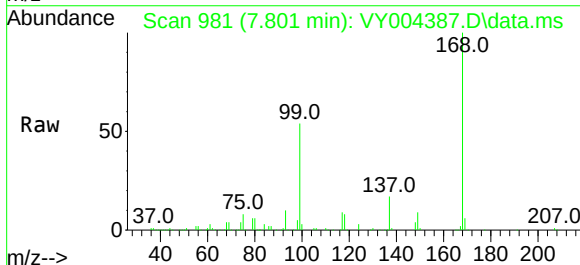
Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

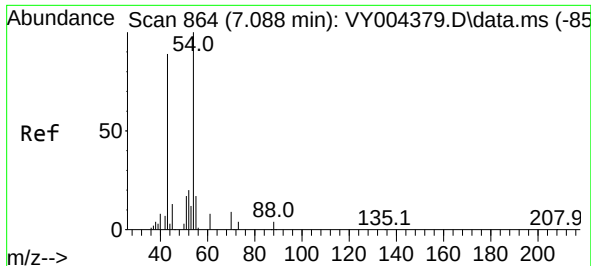
Tgt Ion:	113	Resp:	89486
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	123.8
192	19.9	16.1	24.1



#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

Tgt Ion:	75	Resp:	14870
Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.3	51.7#
77	0.0	24.3	36.5#





#37

Ethyl Acetate

Concen: 16.80 ug/l

RT: 7.002 min Scan# 850

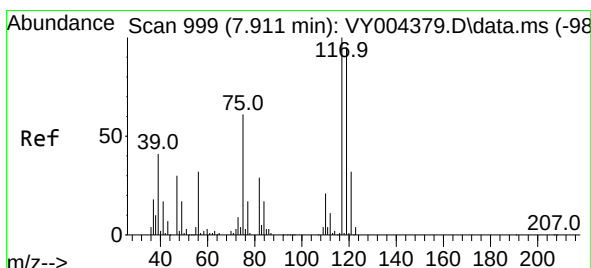
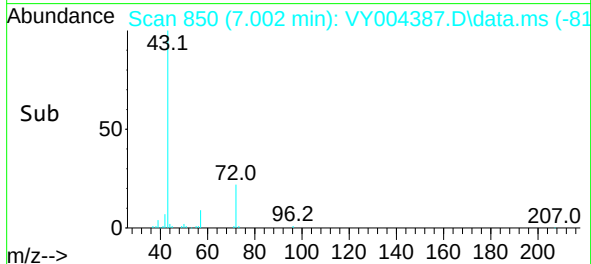
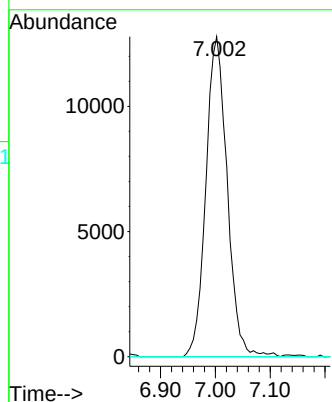
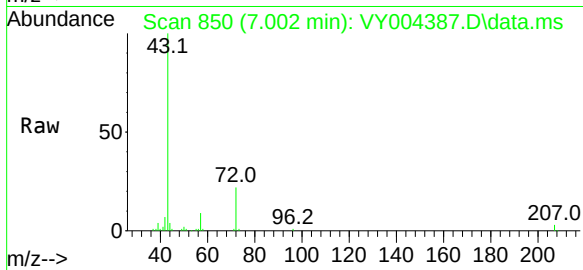
Delta R.T. -0.085 min

Lab File: VY004387.D

Acq: 12 Apr 2021 16:26

Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

Tgt Ion: 43	Resp: 34453
Ion Ratio	Lower Upper
43 100	
61 0.0	10.4 15.6#
70 0.0	7.5 11.3#



#38

Carbon Tetrachloride

Concen: 6.61 ug/l

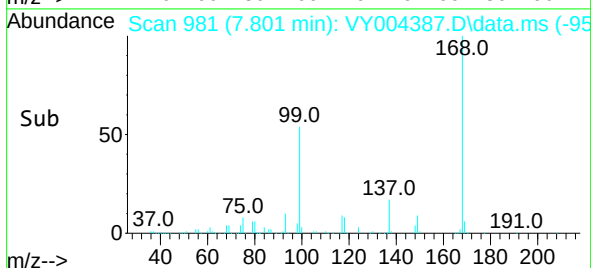
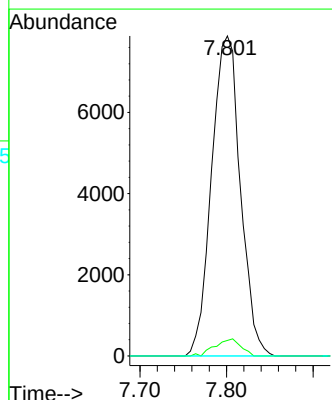
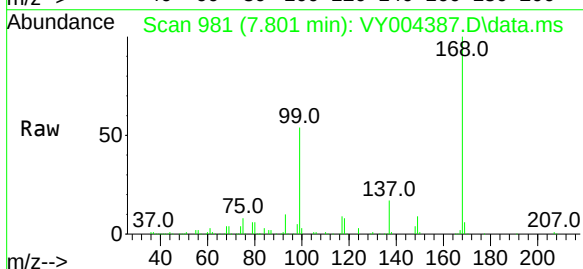
RT: 7.801 min Scan# 981

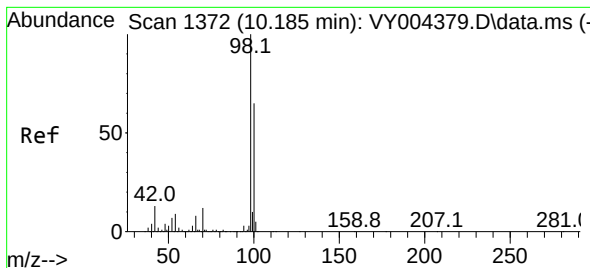
Delta R.T. -0.110 min

Lab File: VY004387.D

Acq: 12 Apr 2021 16:26

Tgt Ion: 117	Resp: 18194
Ion Ratio	Lower Upper
117 100	
119 4.8	75.8 113.8#
121 0.0	25.3 37.9#

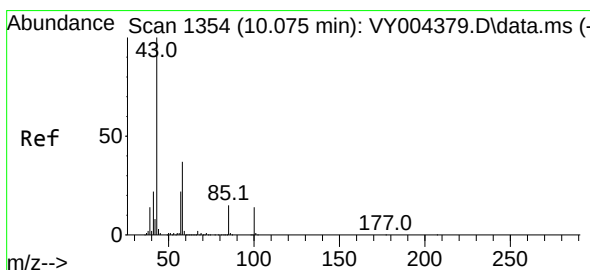
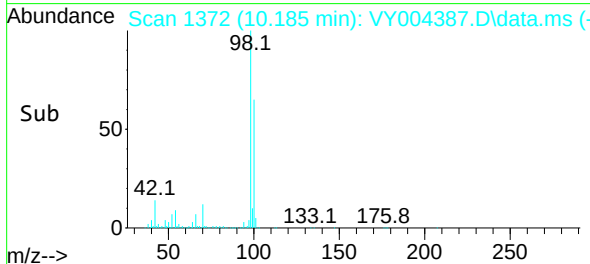
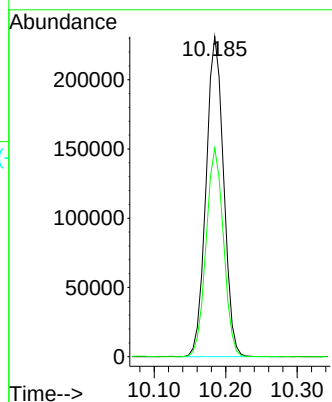
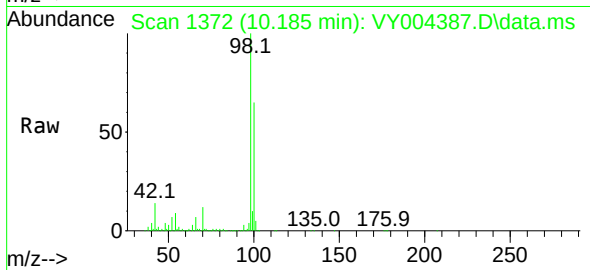




#50
Toluene-d8
Concen: 52.06 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

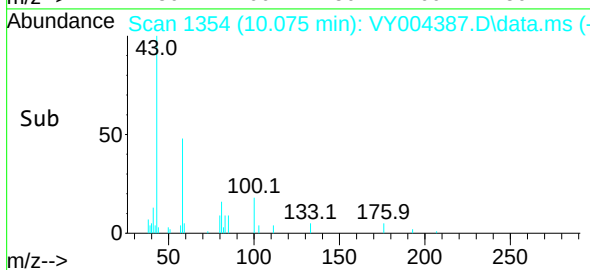
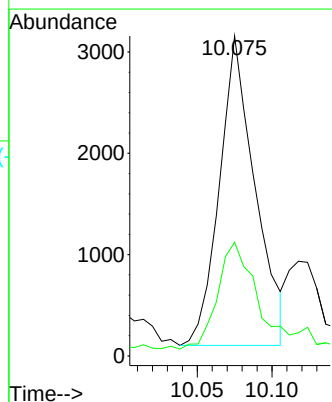
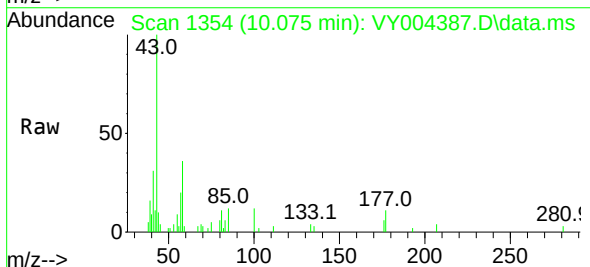
Instrument :
MSVOA_Y
ClientSampled :
SB-4B

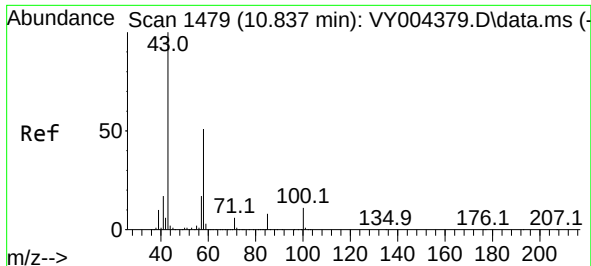
Tgt Ion: 98 Resp: 393953
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.53 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

Tgt Ion: 43 Resp: 5053
Ion Ratio Lower Upper
43 100
58 46.2 29.2 43.8#

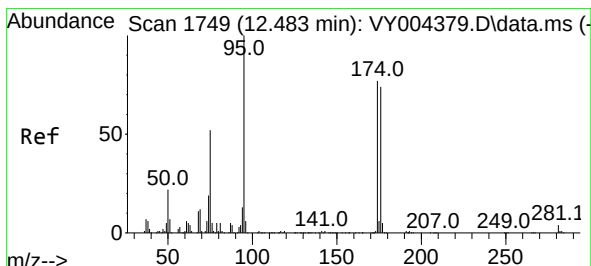
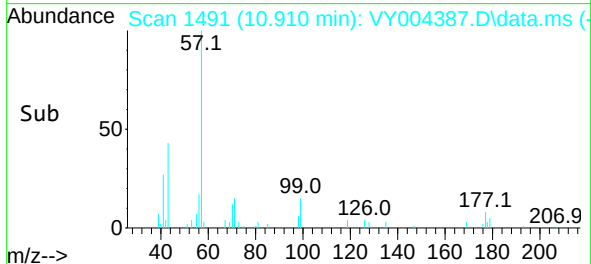
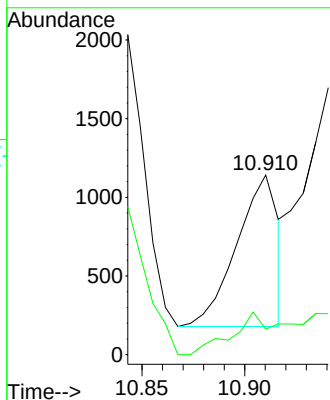
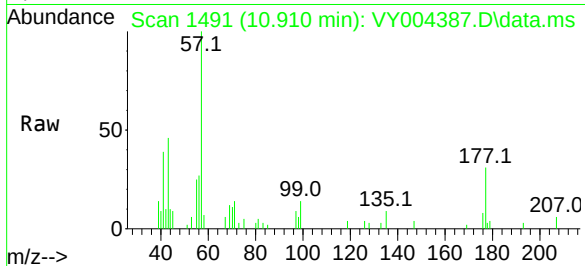




#59
2-Hexanone
Concen: 1.01 ug/l
RT: 10.910 min Scan# 1491
Delta R.T. 0.073 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

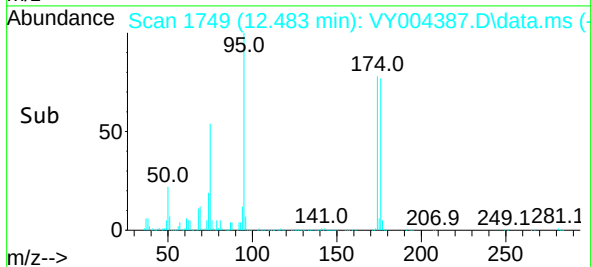
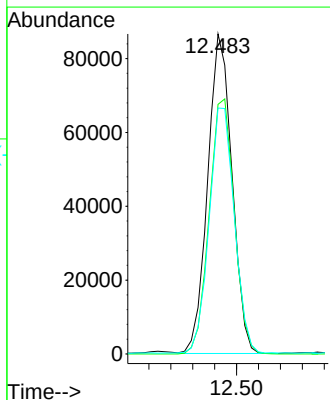
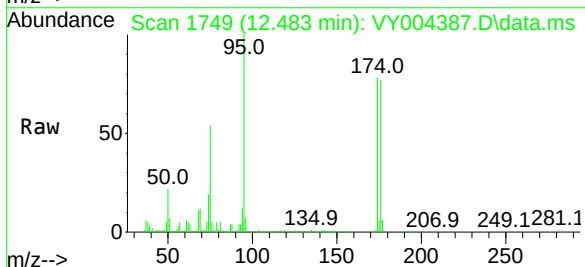
Instrument :
MSVOA_Y
ClientSampled :
SB-4B

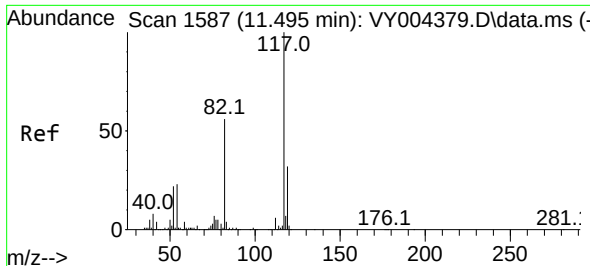
Tgt Ion: 43 Resp: 1352
Ion Ratio Lower Upper
43 100
58 28.0 25.4 76.4



#62
4-Bromofluorobenzene
Concen: 51.84 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

Tgt Ion: 95 Resp: 133122
Ion Ratio Lower Upper
95 100
174 82.2 0.0 162.4
176 79.6 0.0 156.0

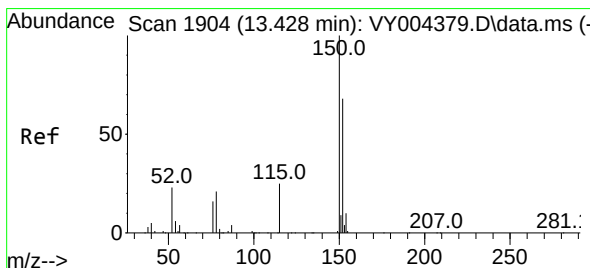
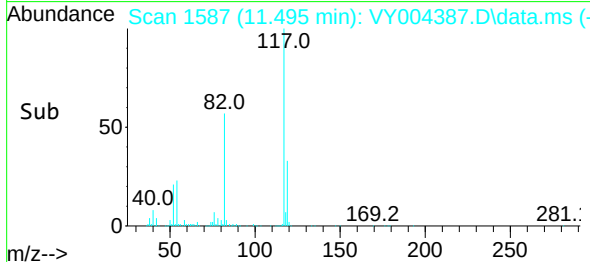
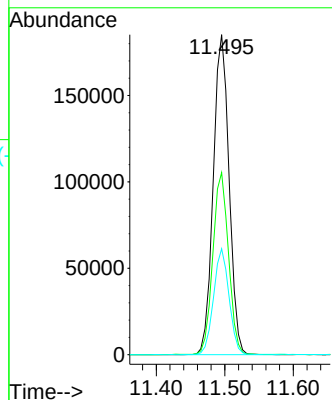
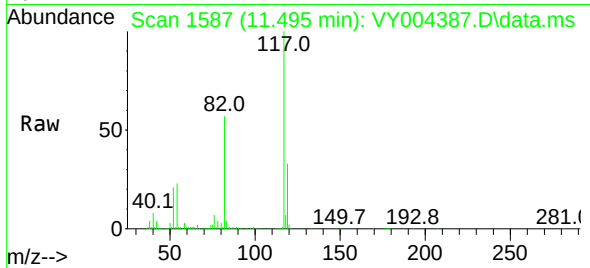




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

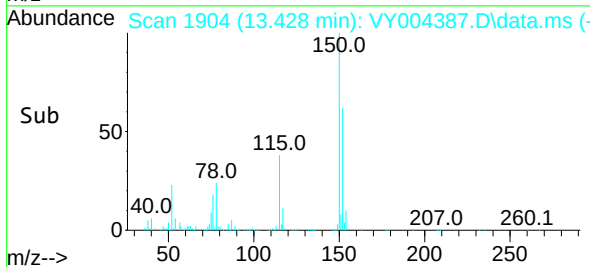
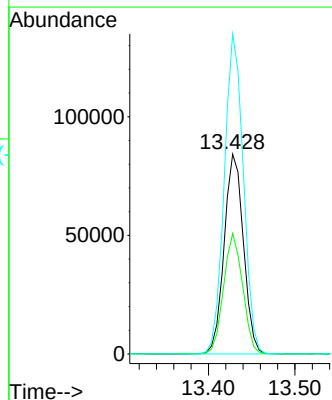
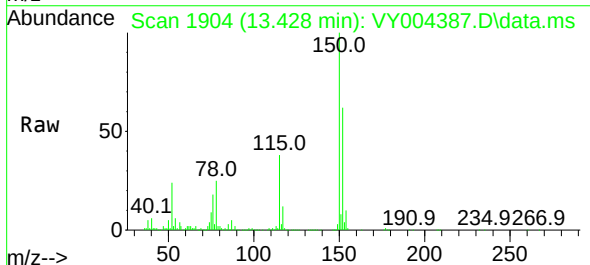
Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

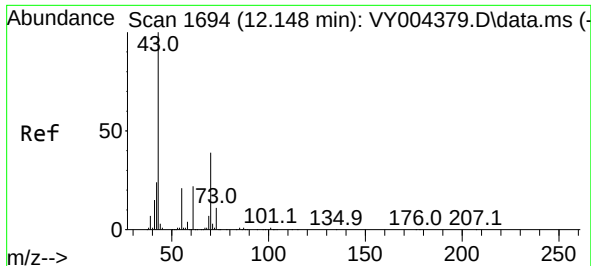
Tgt Ion:117 Resp: 295685
Ion Ratio Lower Upper
117 100
82 56.8 44.9 67.3
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

Tgt Ion:152 Resp: 130424
Ion Ratio Lower Upper
152 100
115 59.1 29.6 88.8
150 158.2 0.0 348.4

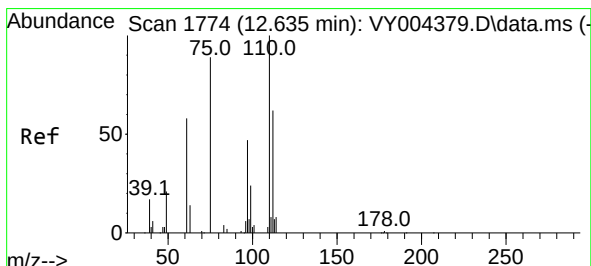
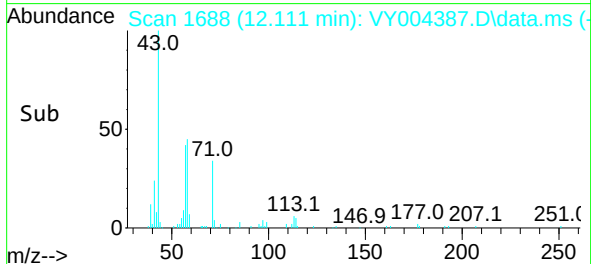
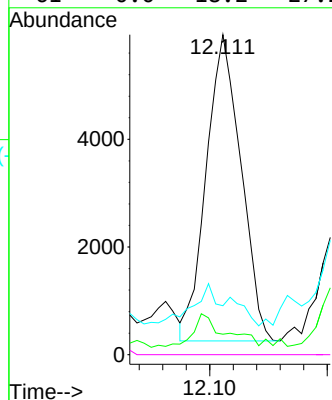
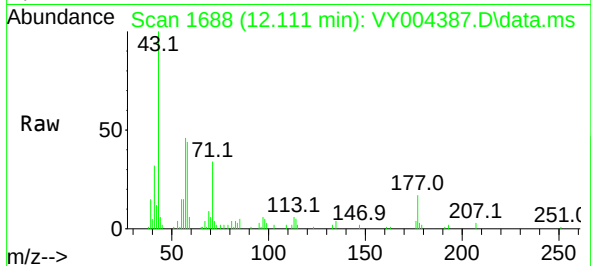




#74
N-amy1 acetate
Concen: 3.44 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

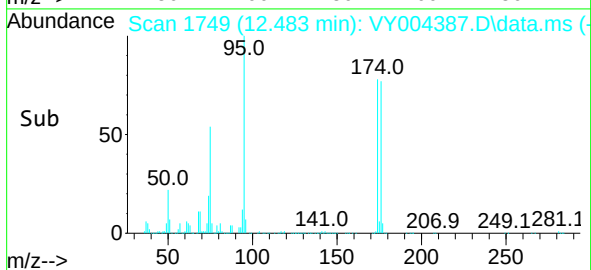
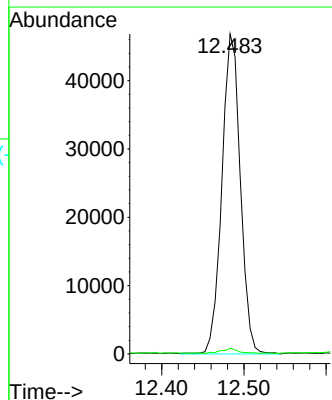
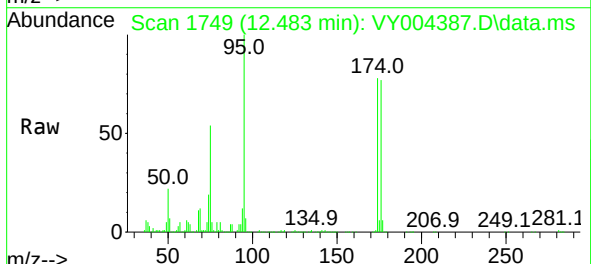
Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

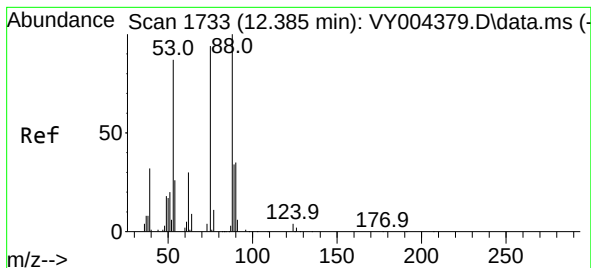
Tgt Ion:	43	Resp:	11673
Ion	Ratio	Lower	Upper
43	100		
70	10.3	30.4	45.6#
55	8.5	17.4	26.0#
61	0.0	18.2	27.2#



#76
1,2,3-Trichloropropane
Concen: 52.22 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

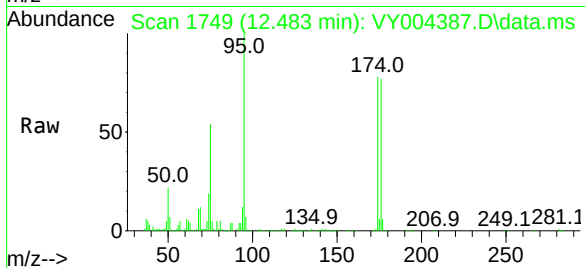
Tgt Ion:	75	Resp:	73097
Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#



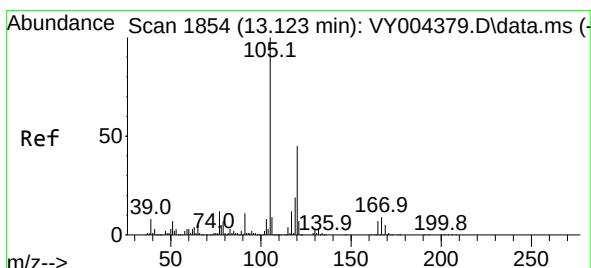
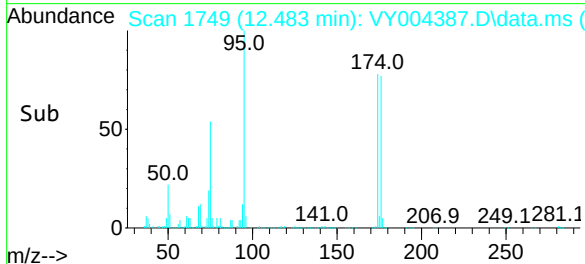
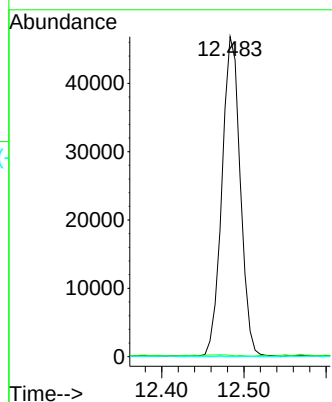


#81
trans-1,4-Dichloro-2-butene
Concen: 93.41 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

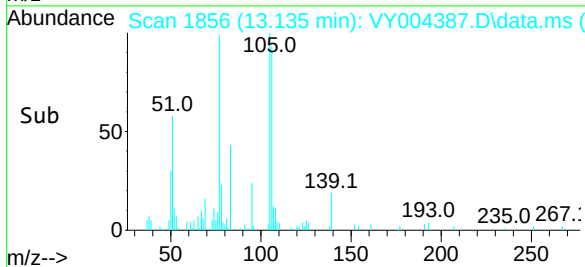
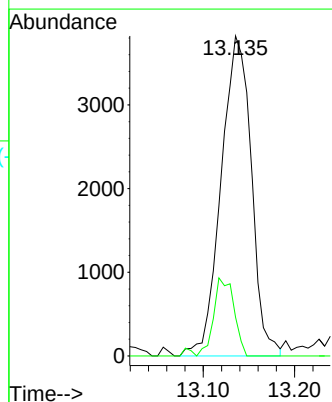
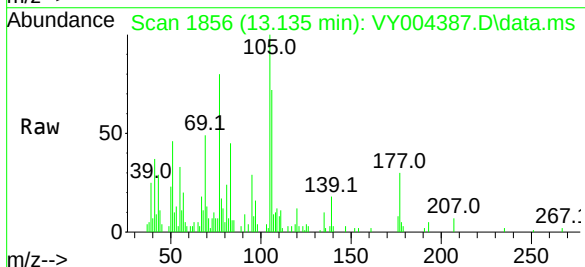


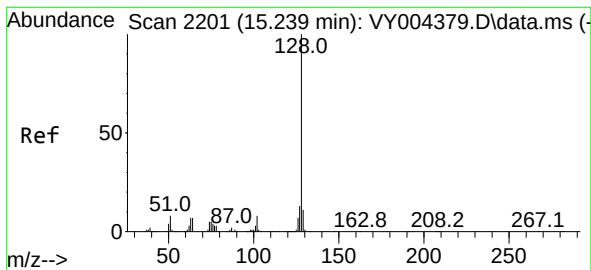
Tgt Ion: 75 Resp: 73097
Ion Ratio Lower Upper
75 100
53 0.6 75.0 112.6#
89 0.1 36.1 54.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.07 ug/l
RT: 13.135 min Scan# 1856
Delta R.T. 0.012 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

Tgt Ion: 105 Resp: 8805
Ion Ratio Lower Upper
105 100
120 16.3 22.4 67.3#





#95
Naphthalene
Concen: 1.71 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004387.D
Acq: 12 Apr 2021 16:26

Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

Tgt Ion:128 Resp: 9187
Ion Ratio Lower Upper
128 100
127 15.8 10.2 15.2#
129 12.9 8.8 13.2

