

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
 Data File : VY004106.D
 Acq On : 17 Mar 2021 16:20
 Operator : SY/MD
 Sample : M1681-37RE
 Misc : 4.04g/5mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 01:50:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

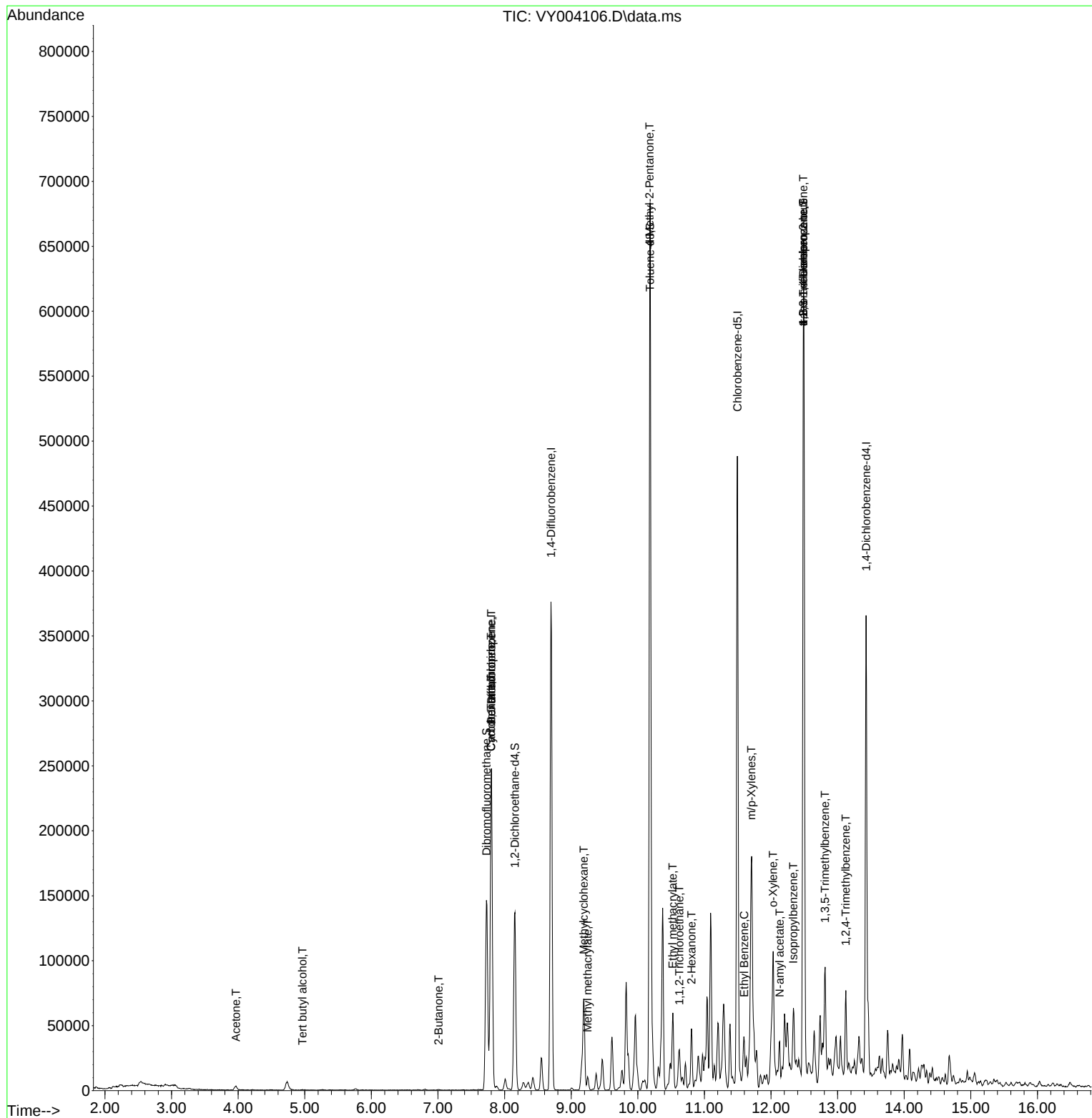
Internal Standards						
1) Pentafluorobenzene	7.801	168	192348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	328905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	268875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91401	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	107878	56.83	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.66%			
35) Dibromofluoromethane	7.728	113	101234	54.58	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.16%			
50) Toluene-d8	10.185	98	386305	53.13	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.26%			
62) 4-Bromofluorobenzene	12.483	95	105509	39.29	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 78.58%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	777	Below Cal	#	78
11) Tert butyl alcohol	4.966	59	699	4.07 ug/l	#	76
16) Acetone	3.966	43	5675	12.39 ug/l	#	89
20) Methylene Chloride	4.728	84	5077	Below Cal	#	80
25) 2-Butanone	7.009	43	809	1.22 ug/l	#	88
31) Cyclohexane	7.795	56	5435	1.63 ug/l	#	40
36) 1,1-Dichloropropene	7.801	75	14062	4.87 ug/l	#	51
38) Carbon Tetrachloride	7.795	117	18184	5.93 ug/l	#	17
39) Methylcyclohexane	9.191	83	29762	7.97 ug/l		93
48) Methyl methacrylate	9.246	41	2090	1.41 ug/l	#	44
51) 4-Methyl-2-Pentanone	10.179	43	5738	3.63 ug/l	#	72
55) 1,1,2-Trichloroethane	10.624	97	11305	6.92 ug/l	#	21
56) Ethyl methacrylate	10.526	69	6018	2.63 ug/l	#	17
59) 2-Hexanone	10.807	43	17801	16.02 ug/l	#	30
67) Ethyl Benzene	11.599	91	19933	2.11 ug/l		97
68) m/p-Xylenes	11.703	106	40560	11.24 ug/l		94
69) o-Xylene	12.032	106	23699	6.95 ug/l		95
73) Isopropylbenzene	12.337	105	7423	1.17 ug/l		93
74) N-amyl acetate	12.130	43	6385	3.51 ug/l	#	61
76) 1,2,3-Trichloropropane	12.483	75	56879	64.90 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.812	105	17490	3.25 ug/l		92
81) trans-1,4-Dichloro-2-b...	12.483	75	56879	128.09 ug/l	#	14
84) 1,2,4-Trimethylbenzene	13.123	105	33106	6.14 ug/l		98

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

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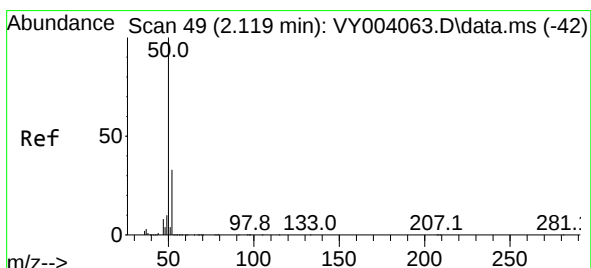
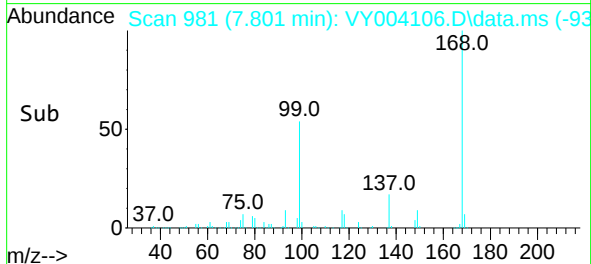
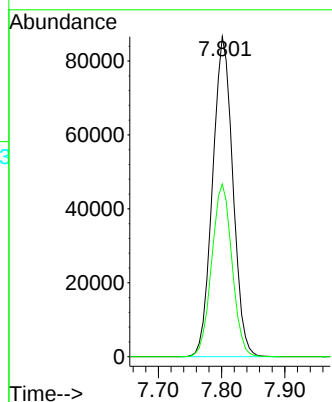
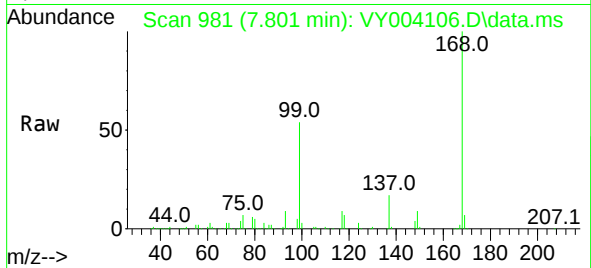




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

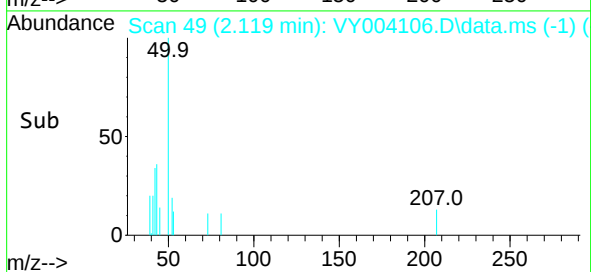
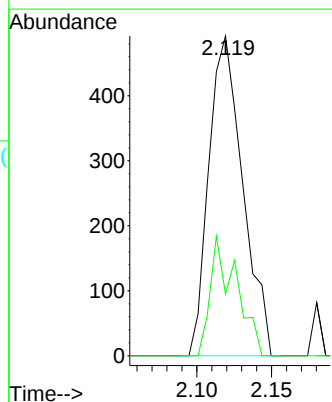
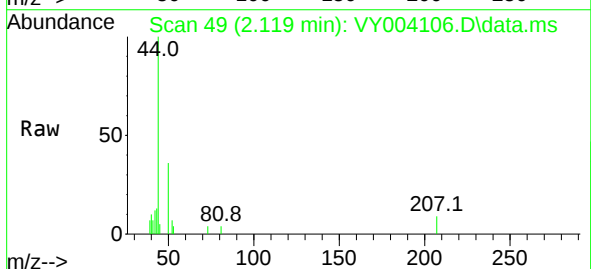
Instrument :
MSVOA_Y
ClientSampled :

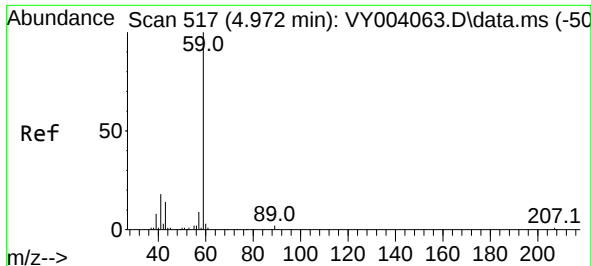
Tgt Ion:168 Resp: 192348
Ion Ratio Lower Upper
168 100
99 54.0 41.2 61.8



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion: 50 Resp: 777
Ion Ratio Lower Upper
50 100
52 19.3 25.4 38.2#

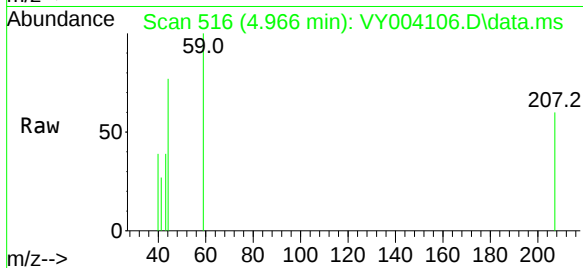




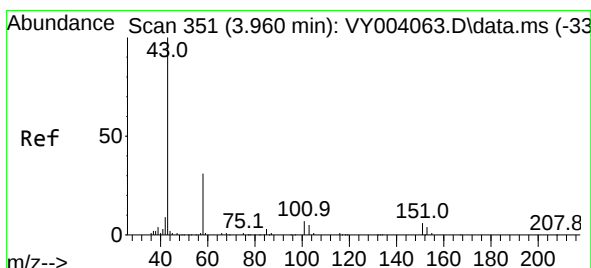
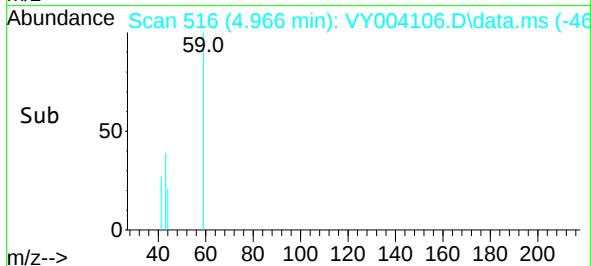
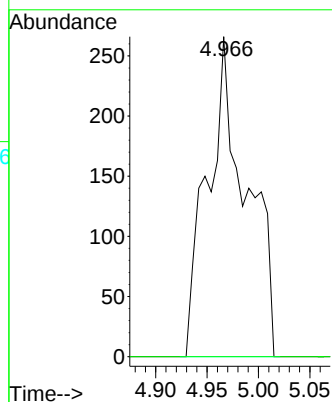
#11

Tert butyl alcohol
Concen: 4.07 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Instrument :
MSVOA_Y
ClientSampled :

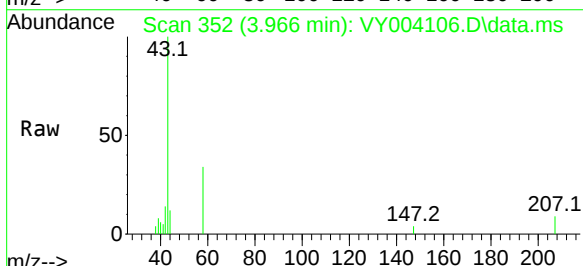


Tgt Ion: 59 Resp: 699
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

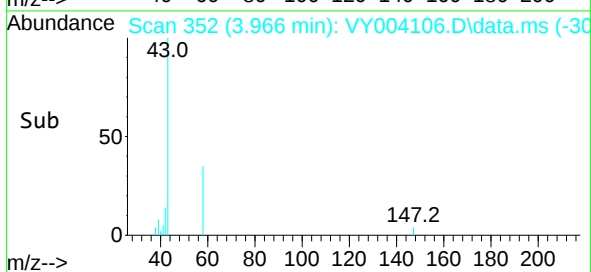
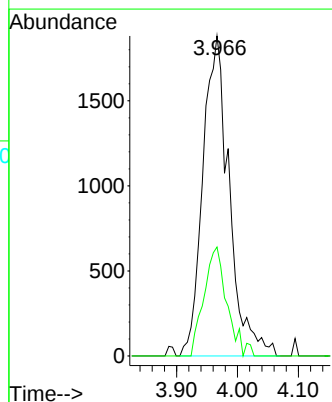


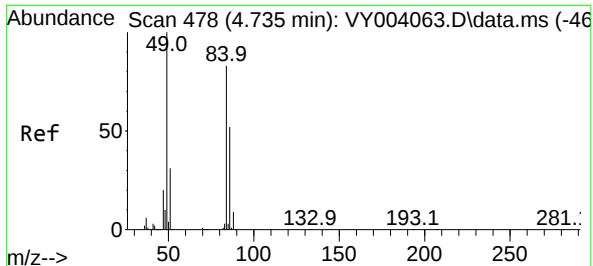
#16

Acetone
Concen: 12.39 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20



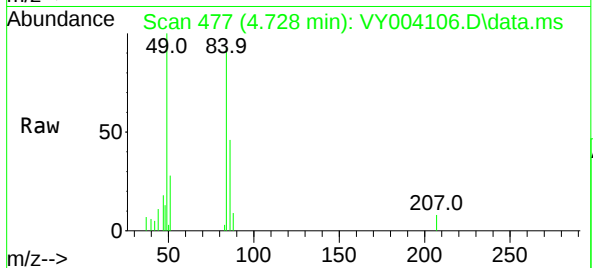
Tgt Ion: 43 Resp: 5675
Ion Ratio Lower Upper
43 100
58 34.1 22.6 34.0#



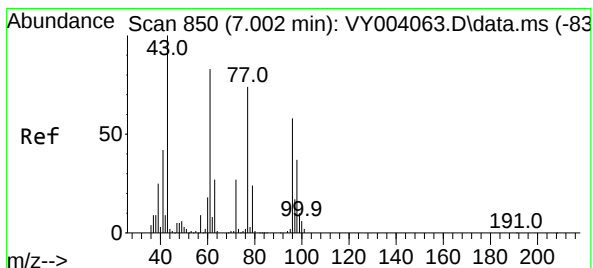
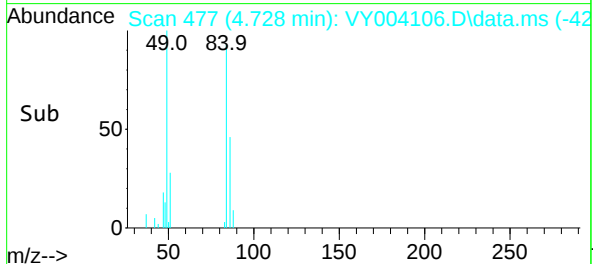
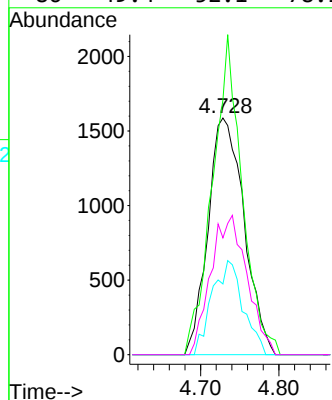


#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Instrument :
MSVOA_Y
ClientSampleId :

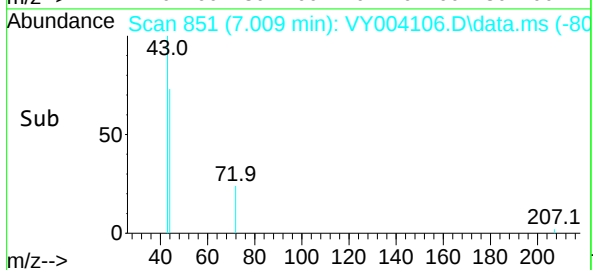
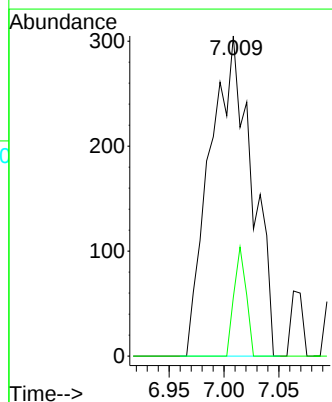
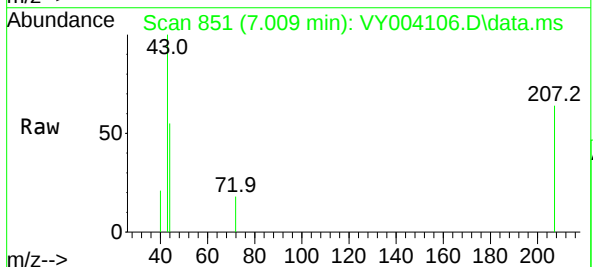


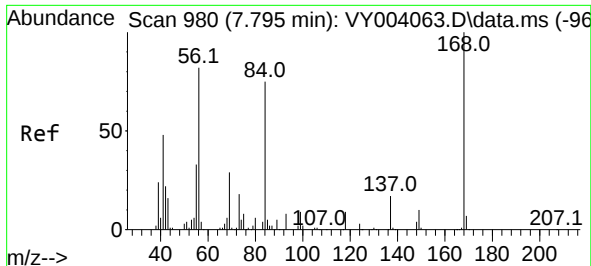
Tgt Ion:	84	Resp:	5077
Ion	Ratio	Lower	Upper
84	100		
49	107.6	105.8	158.6
51	29.9	32.6	48.8#
86	49.4	52.1	78.1#



#25
2-Butanone
Concen: 1.22 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.007 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion:	43	Resp:	809
Ion	Ratio	Lower	Upper
43	100		
72	18.4	19.4	29.0#

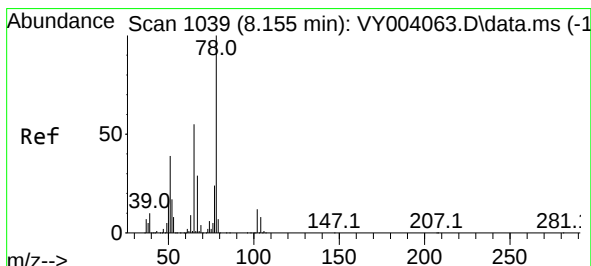
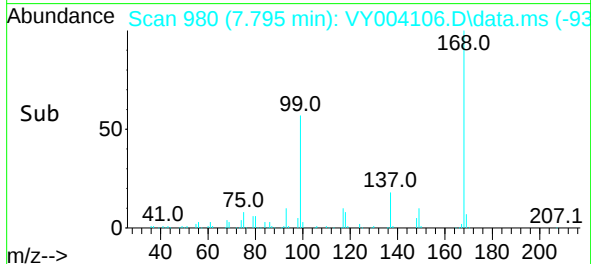
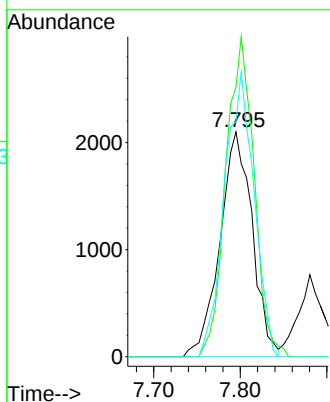
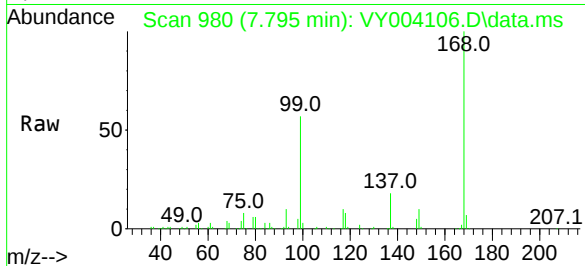




#31
Cyclohexane
Concen: 1.63 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

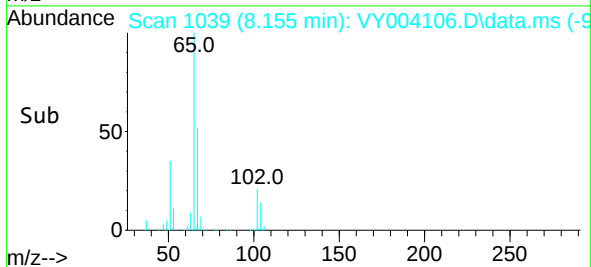
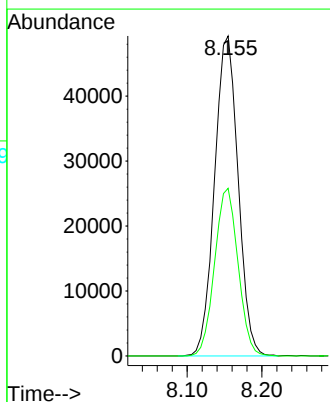
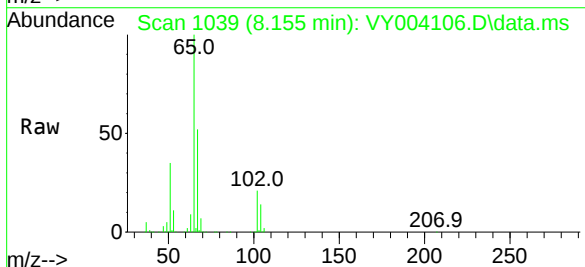
Instrument :
MSVOA_Y
ClientSampled :

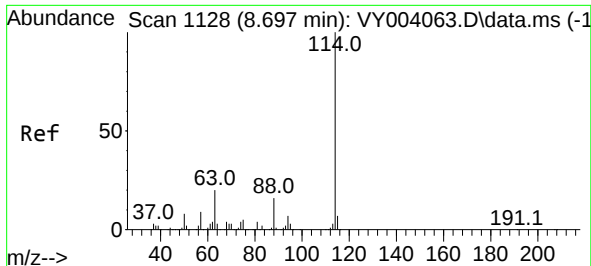
Tgt Ion: 56 Resp: 5435
Ion Ratio Lower Upper
56 100
69 119.8 25.3 37.9#
84 104.6 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 56.83 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion: 65 Resp: 107878
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.4

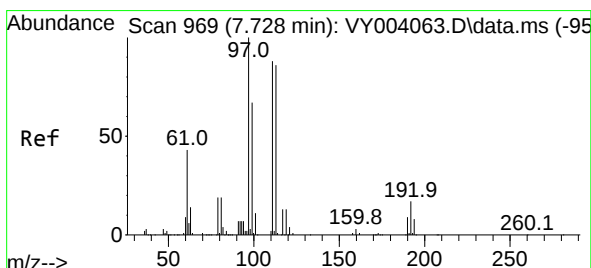
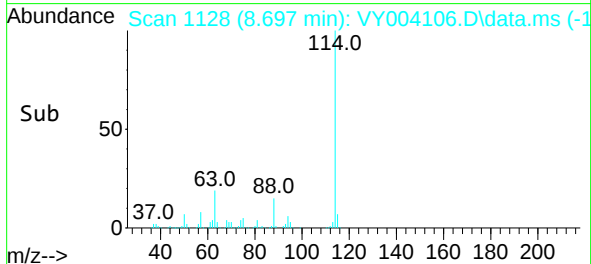
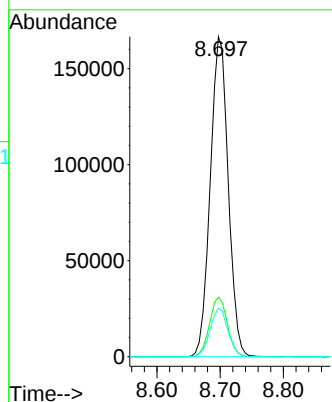
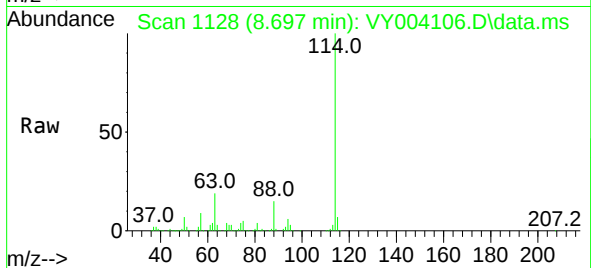




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

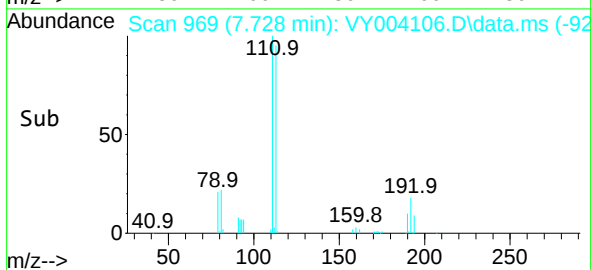
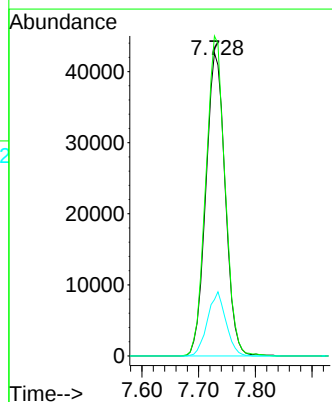
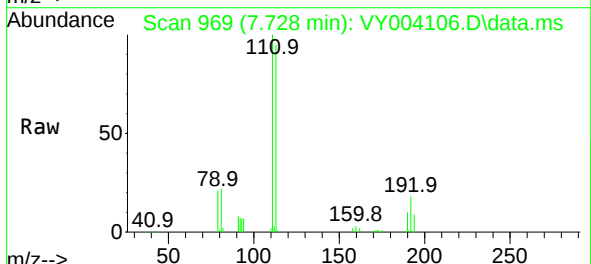
Instrument :
MSVOA_Y
ClientSampleId :

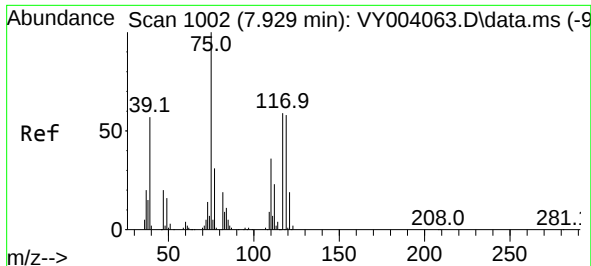
Tgt Ion:	114	Resp:	328905
Ion Ratio	Lower	Upper	
114	100		
63	18.6	0.0	41.6
88	15.1	0.0	31.4



#35
Dibromofluoromethane
Concen: 54.58 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion:	113	Resp:	101234
Ion Ratio	Lower	Upper	
113	100		
111	104.6	83.2	124.8
192	20.2	18.5	27.7

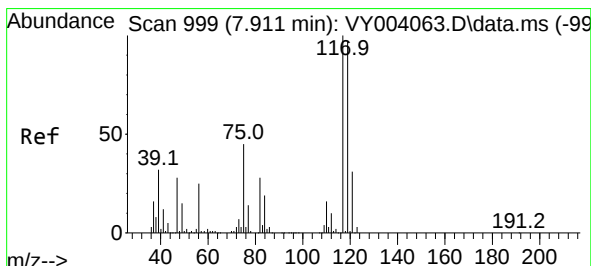
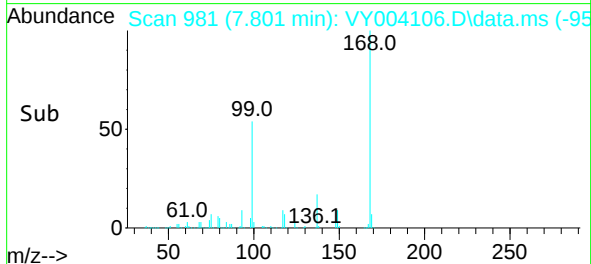
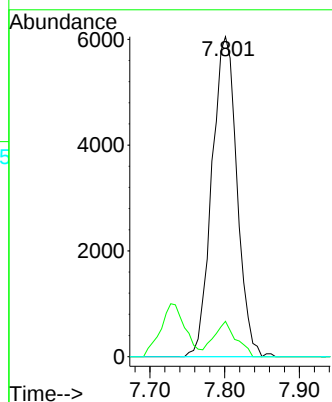
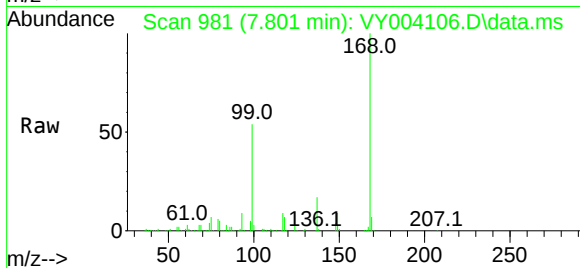




#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

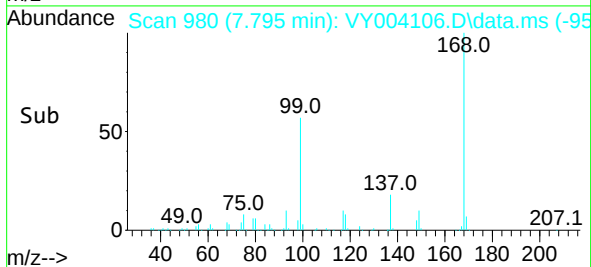
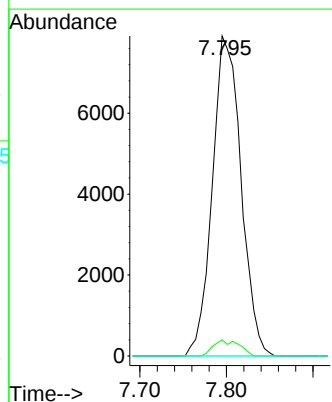
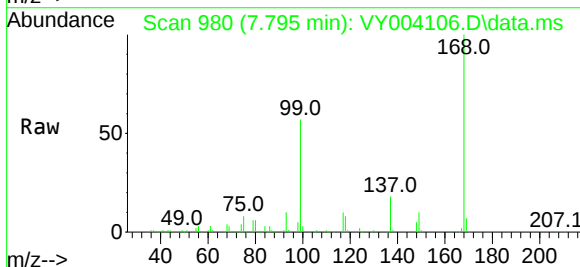
Instrument :
MSVOA_Y
ClientSampled :

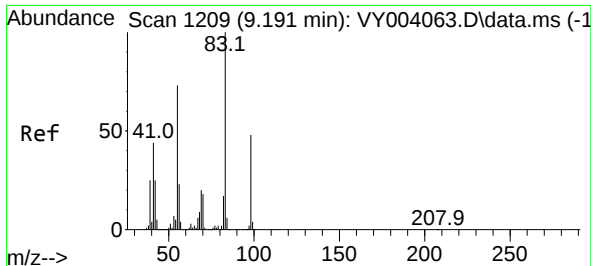
Tgt Ion: 75 Resp: 14062
Ion Ratio Lower Upper
75 100
110 9.7 17.4 52.3#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.93 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion: 117 Resp: 18184
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.0#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 7.97 ug/l

RT: 9.191 min Scan# 1209

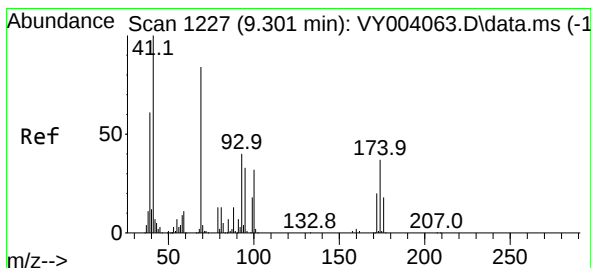
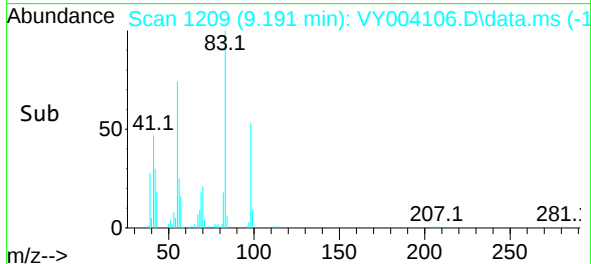
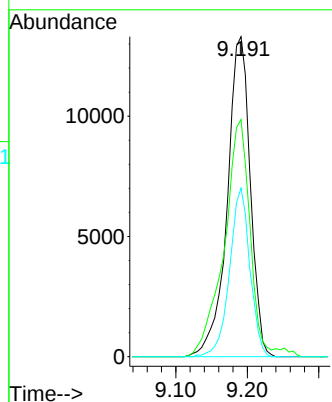
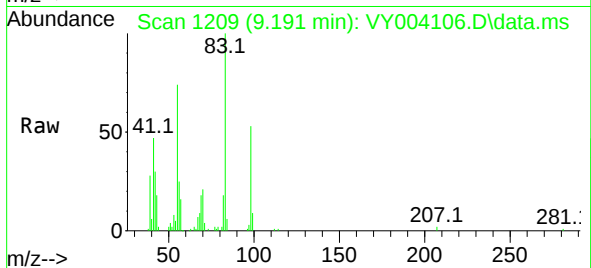
Delta R.T. 0.000 min

Lab File: VY004106.D

Acq: 17 Mar 2021 16:20

Tgt Ion: 83 Resp: 29762

Ion	Ratio	Lower	Upper
83	100		
55	74.1	65.6	98.4
98	52.7	39.5	59.3



#48

Methyl methacrylate

Concen: 1.41 ug/l

RT: 9.246 min Scan# 1218

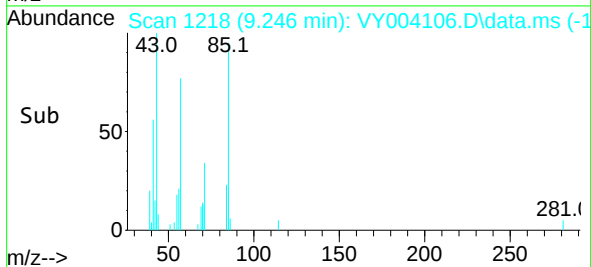
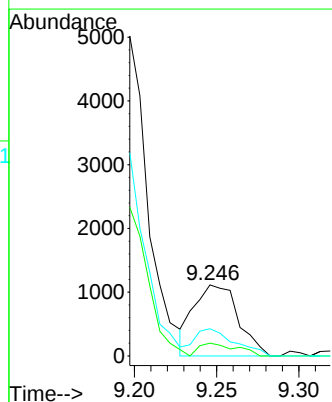
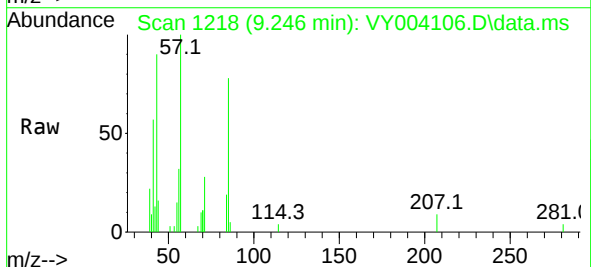
Delta R.T. -0.055 min

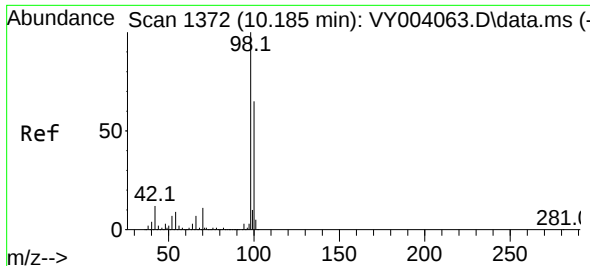
Lab File: VY004106.D

Acq: 17 Mar 2021 16:20

Tgt Ion: 41 Resp: 2090

Ion	Ratio	Lower	Upper
41	100		
69	15.2	65.1	97.7#
39	34.8	44.2	66.2#

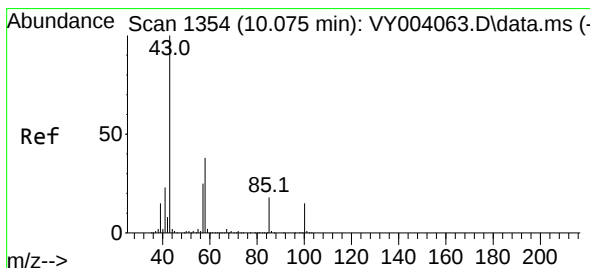
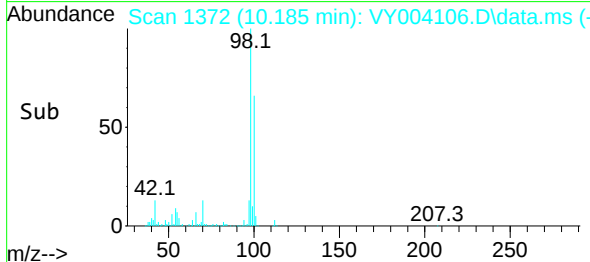
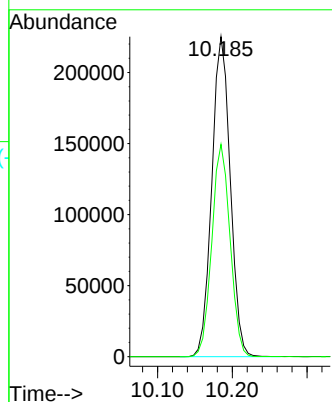
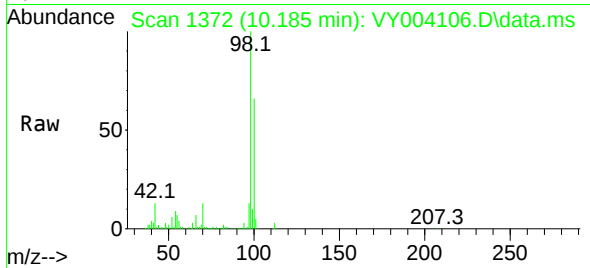




#50
Toluene-d8
Concen: 53.13 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

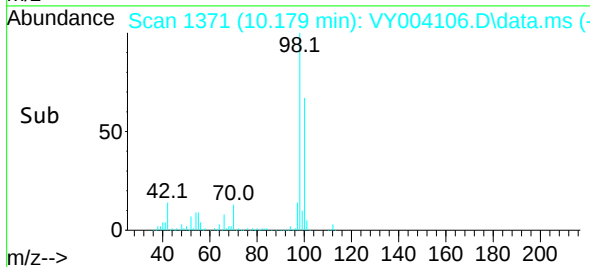
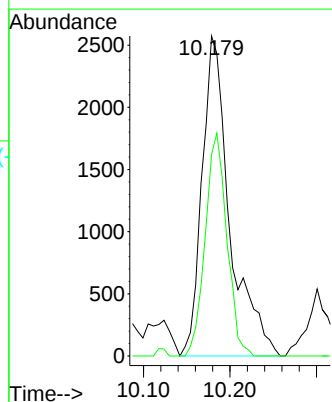
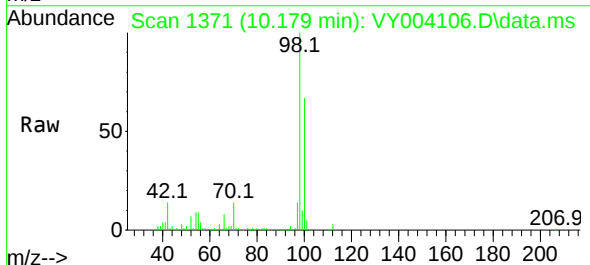
Instrument :
MSVOA_Y
ClientSampled :

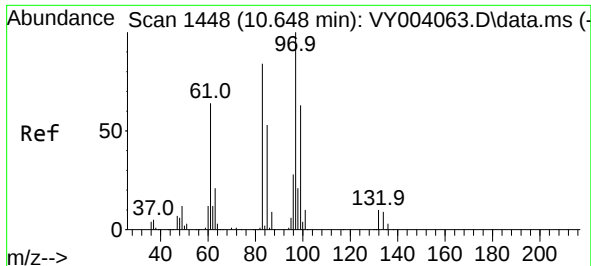
Tgt Ion: 98 Resp: 386305
Ion Ratio Lower Upper
98 100
100 65.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 3.63 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

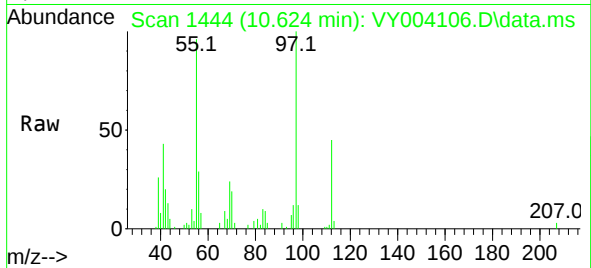
Tgt Ion: 43 Resp: 5738
Ion Ratio Lower Upper
43 100
58 54.2 29.8 44.8#



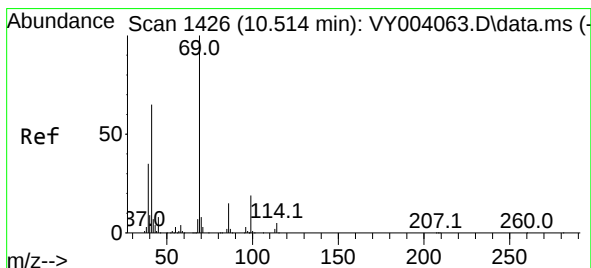
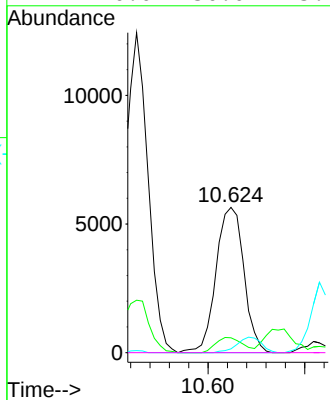
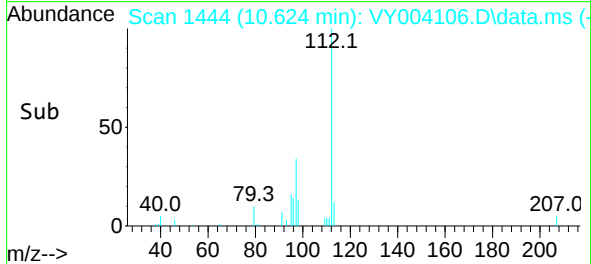


#55
1,1,2-Trichloroethane
Concen: 6.92 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

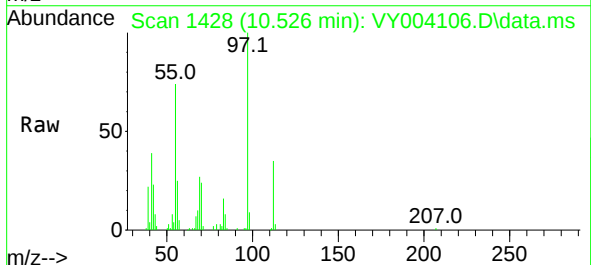
Instrument :
MSVOA_Y
ClientSampled :



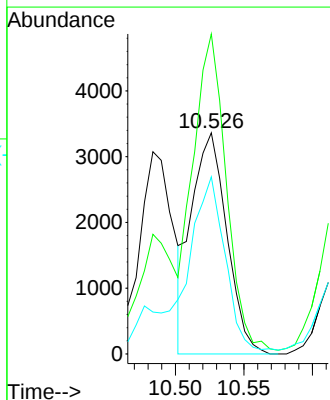
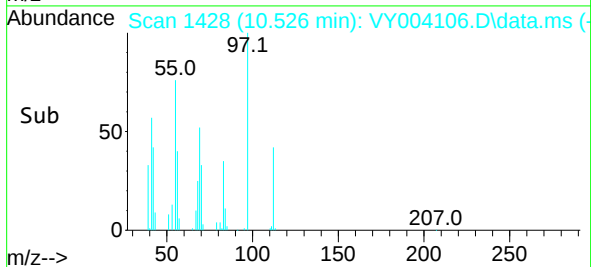
Tgt Ion: 97	Resp: 11305
Ion Ratio	Lower Upper
97 100	
83 10.3	69.4 104.0#
85 2.6	43.4 65.0#
99 0.0	50.0 75.0#

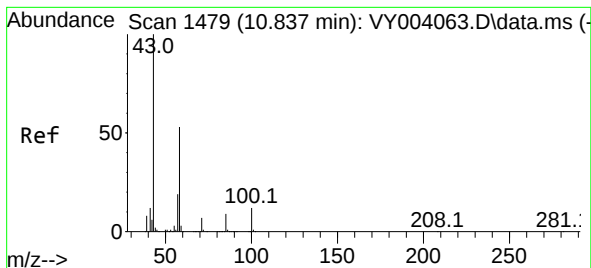


#56
Ethyl methacrylate
Concen: 2.63 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.012 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20



Tgt Ion: 69	Resp: 6018
Ion Ratio	Lower Upper
69 100	
41 133.9	57.2 85.8#
39 92.9	27.8 41.6#

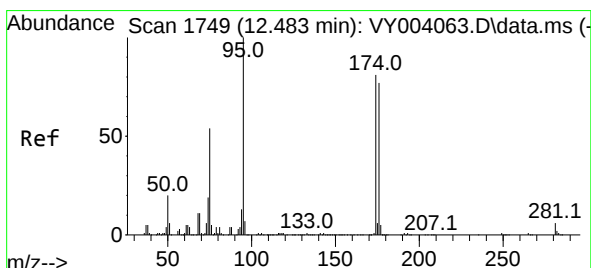
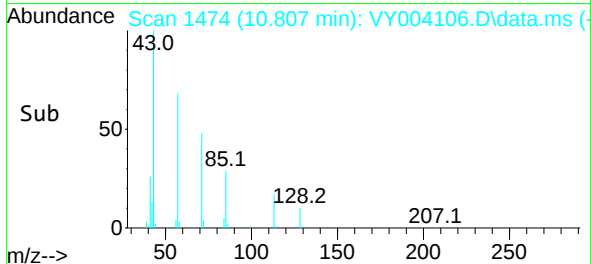
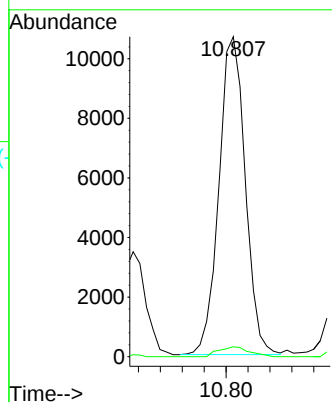
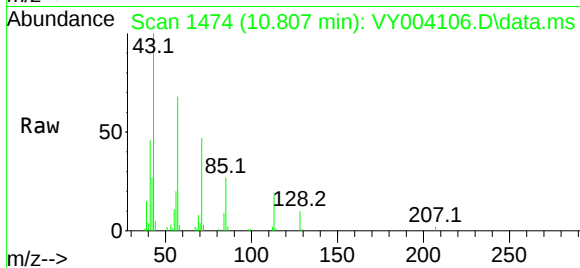




#59
2-Hexanone
Concen: 16.02 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

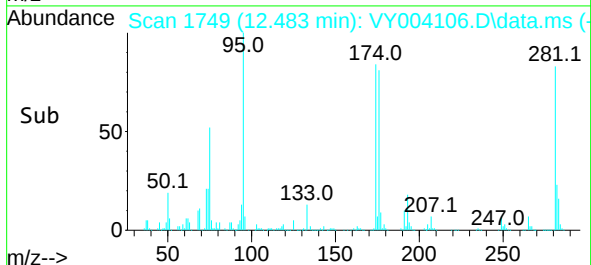
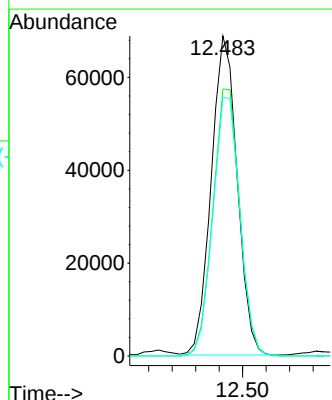
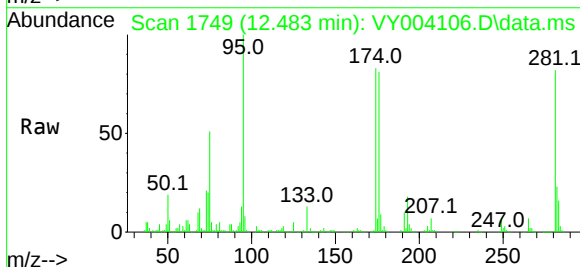
Instrument :
MSVOA_Y
ClientSampled :

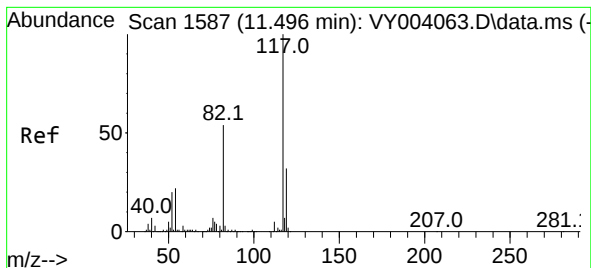
Tgt Ion: 43 Resp: 17801
Ion Ratio Lower Upper
43 100
58 3.6 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 39.29 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion: 95 Resp: 105509
Ion Ratio Lower Upper
95 100
174 86.6 0.0 179.0
176 84.2 0.0 174.4

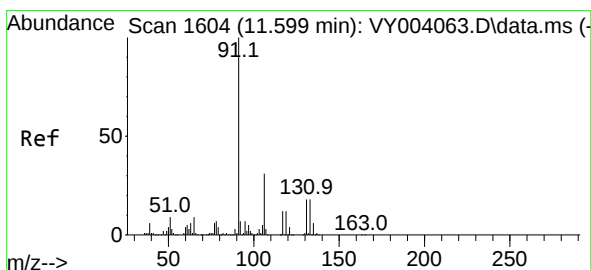
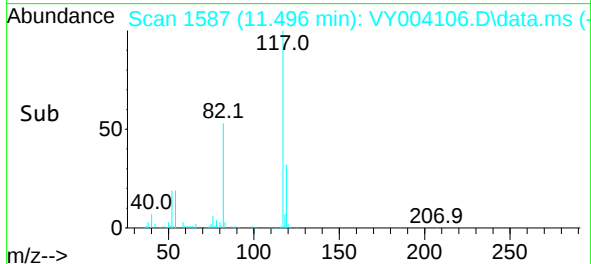
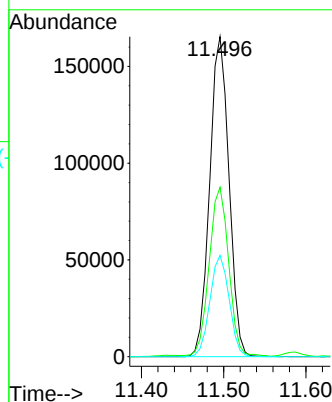
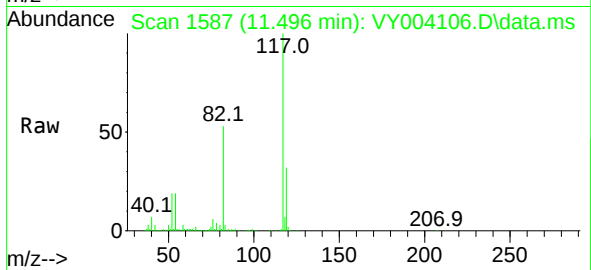




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

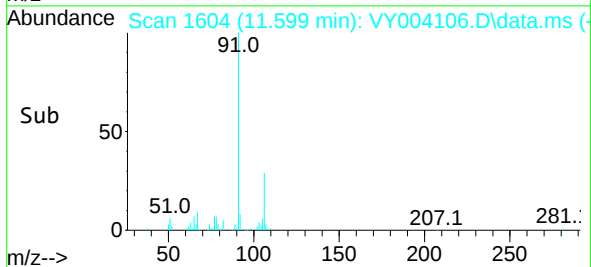
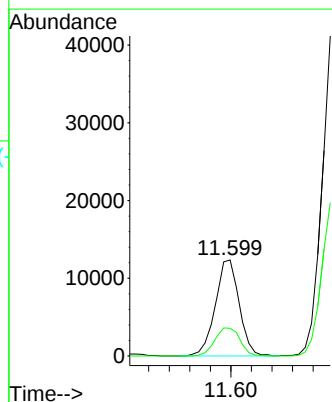
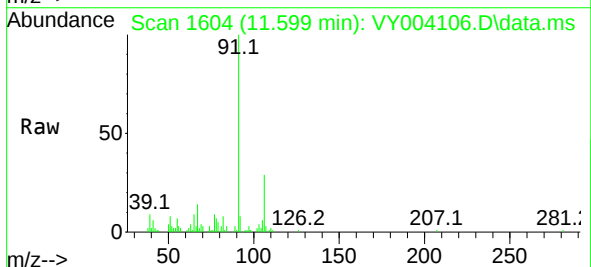
Instrument :
MSVOA_Y
ClientSampled :

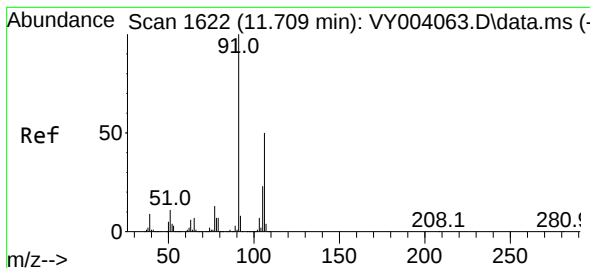
Tgt Ion:117 Resp: 268875
Ion Ratio Lower Upper
117 100
82 52.6 43.8 65.6
119 31.6 26.2 39.2



#67
Ethyl Benzene
Concen: 2.11 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion: 91 Resp: 19933
Ion Ratio Lower Upper
91 100
106 28.9 24.5 36.7

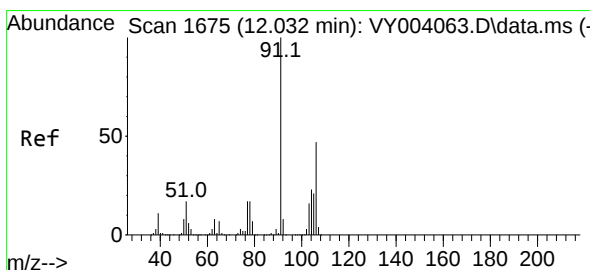
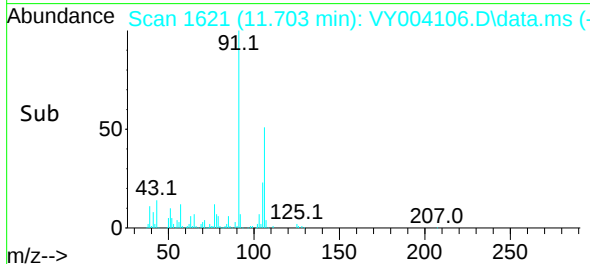
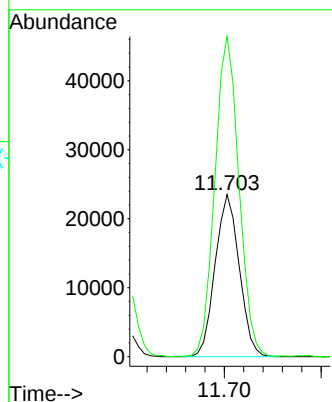
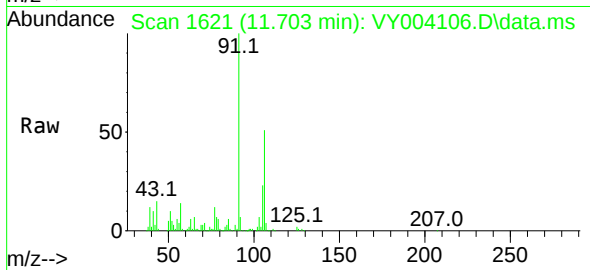




#68
m/p-Xylenes
Concen: 11.24 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

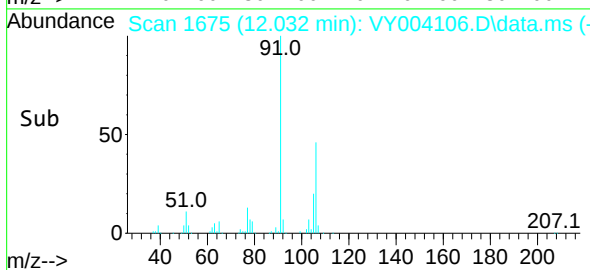
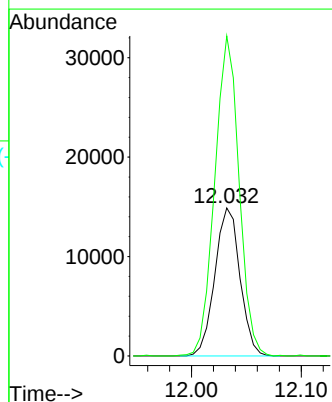
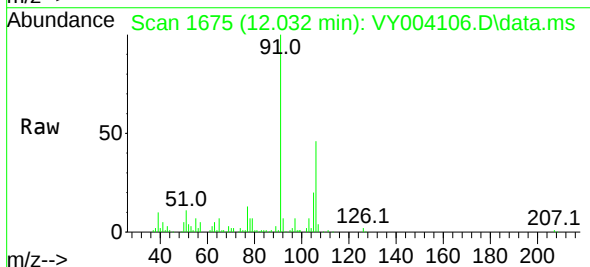
Instrument :
MSVOA_Y
ClientSampled :

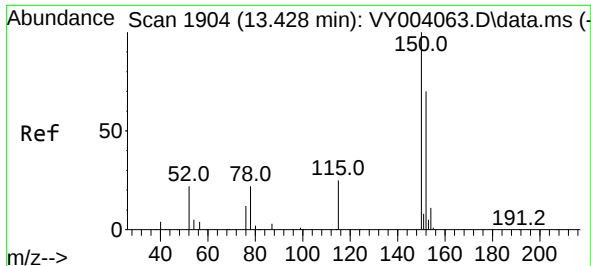
Tgt Ion:106 Resp: 40560
Ion Ratio Lower Upper
106 100
91 197.0 165.4 248.0



#69
o-Xylene
Concen: 6.95 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion:106 Resp: 23699
Ion Ratio Lower Upper
106 100
91 209.5 108.9 326.7

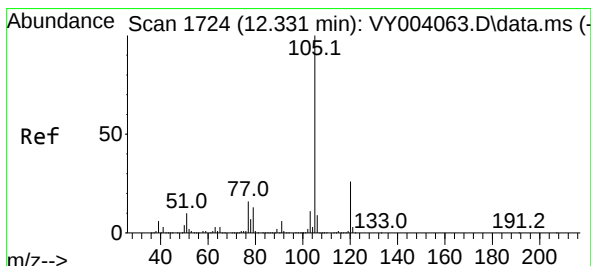
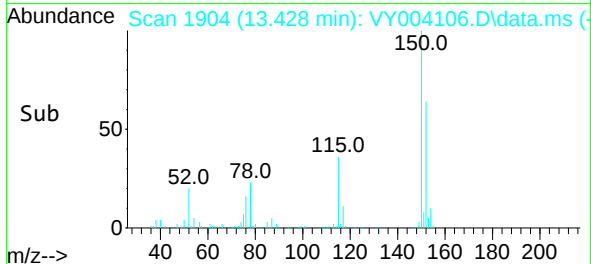
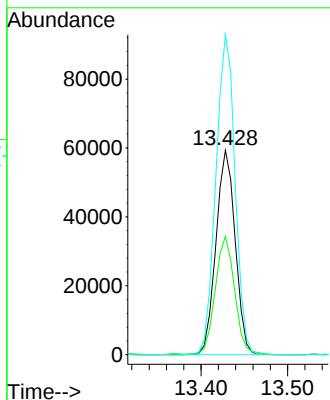
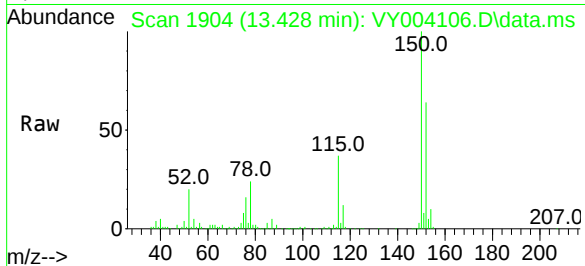




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

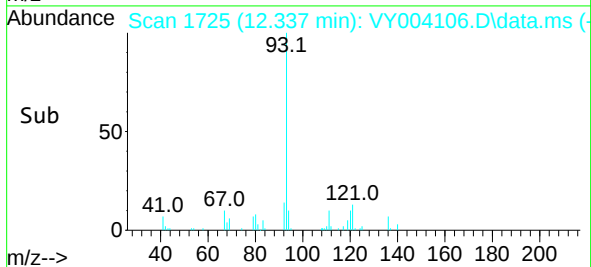
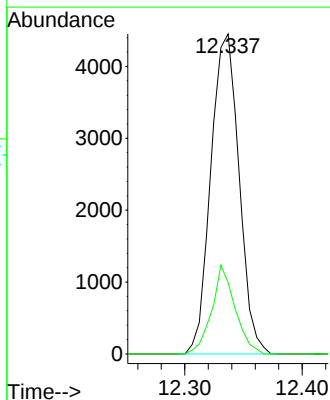
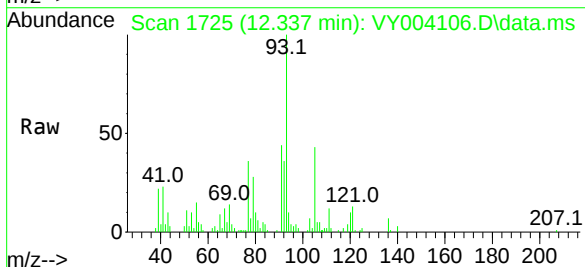
Instrument :
MSVOA_Y
ClientSampled :

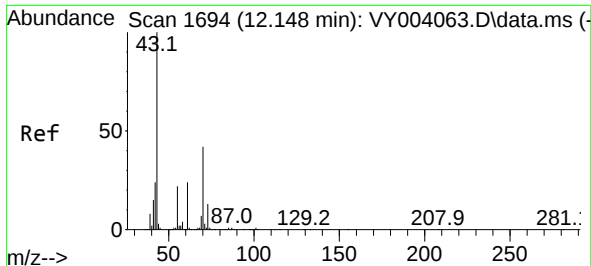
Tgt Ion:152 Resp: 91401
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.6
150 156.2 0.0 347.2



#73
Isopropylbenzene
Concen: 1.17 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion:105 Resp: 7423
Ion Ratio Lower Upper
105 100
120 22.9 13.3 39.9

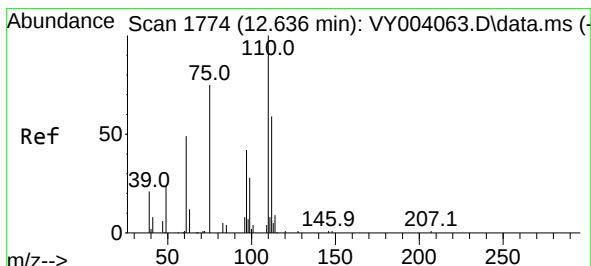
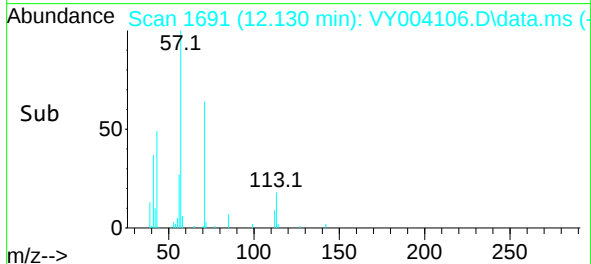
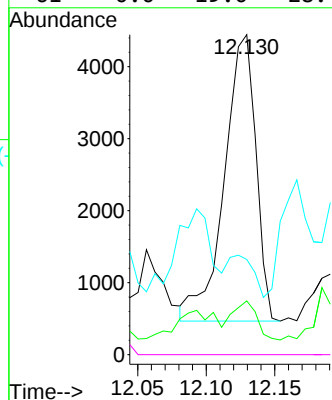
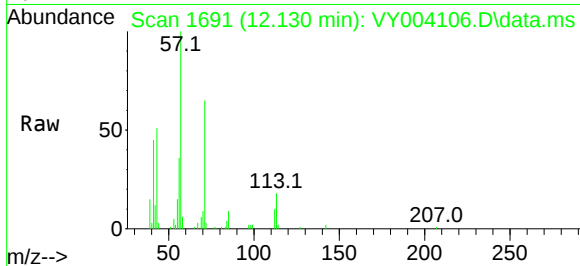




#74
N-amy1 acetate
Concen: 3.51 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.018 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

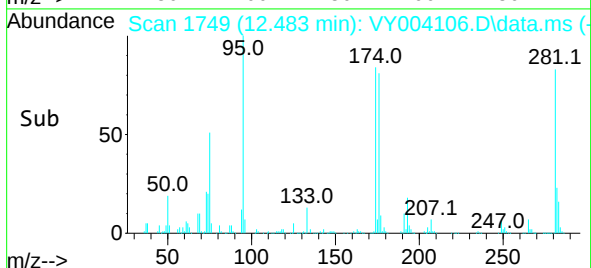
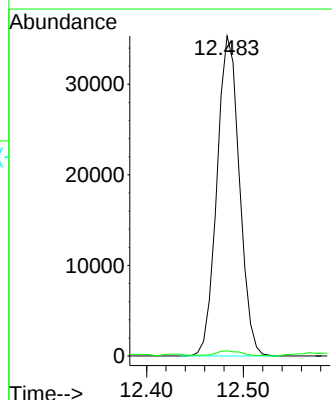
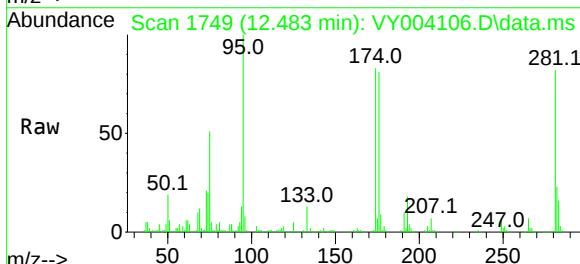
Instrument :
MSVOA_Y
ClientSampled :

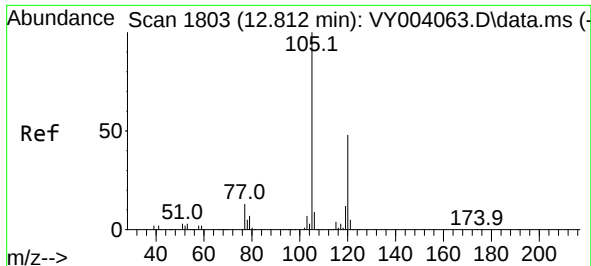
Tgt Ion: 43	Resp: 6385
Ion Ratio	Lower Upper
43 100	
70 10.6	32.3 48.5#
55 15.7	18.4 27.6#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 64.90 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion: 75	Resp: 56879
Ion Ratio	Lower Upper
75 100	
77 1.9	0.0 0.0#

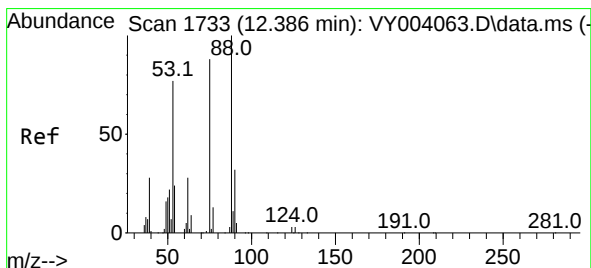
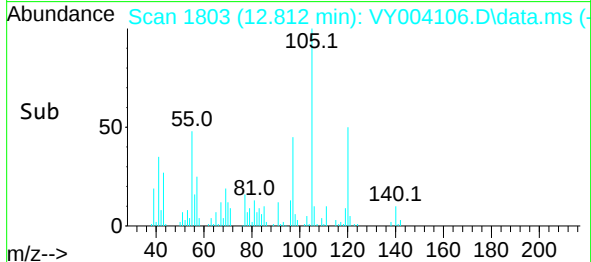
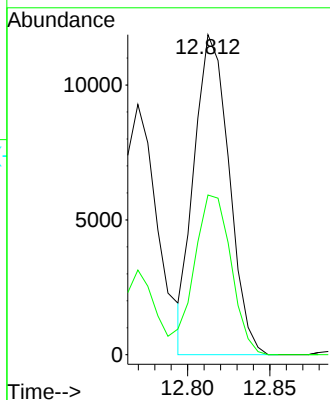
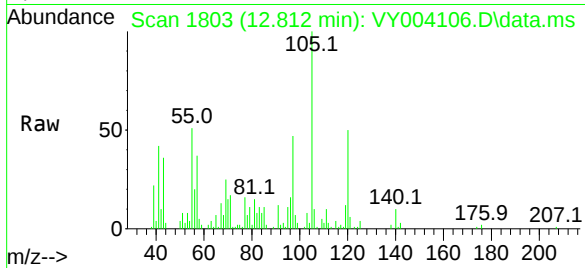




#80
1,3,5-Trimethylbenzene
Concen: 3.25 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

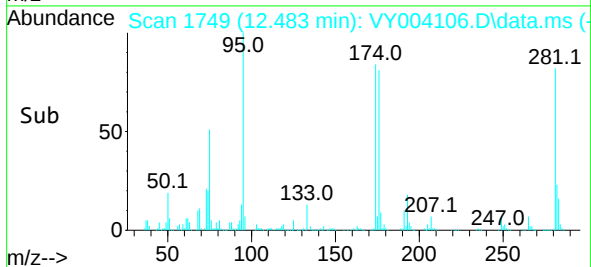
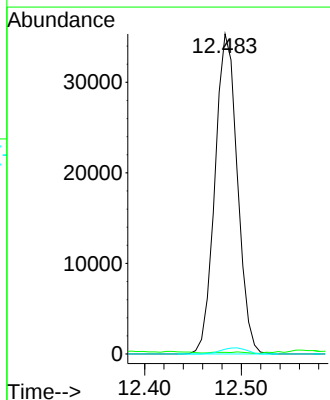
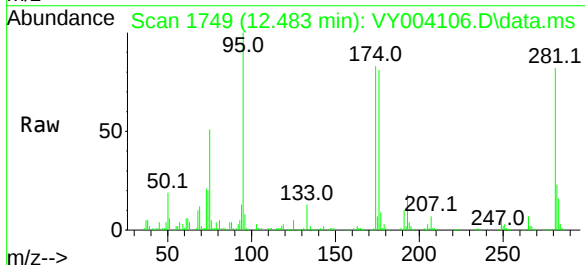
Instrument :
MSVOA_Y
ClientSampled :

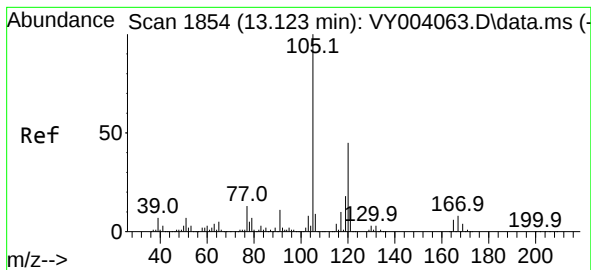
Tgt Ion:105 Resp: 17490
Ion Ratio Lower Upper
105 100
120 53.3 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 128.09 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004106.D
Acq: 17 Mar 2021 16:20

Tgt Ion: 75 Resp: 56879
Ion Ratio Lower Upper
75 100
53 0.5 73.5 110.3#
89 2.2 35.7 53.5#





#84
 1,2,4-Trimethylbenzene
 Concen: 6.14 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY004106.D
 Acq: 17 Mar 2021 16:20

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:105 Resp: 33106
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.1 66.3

