

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063021\
 Data File : VY005305.D
 Acq On : 30 Jun 2021 18:01
 Operator : SY/MD
 Sample : M2900-01
 Misc : 5.86G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VB16208

Quant Time: Jul 01 06:40:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

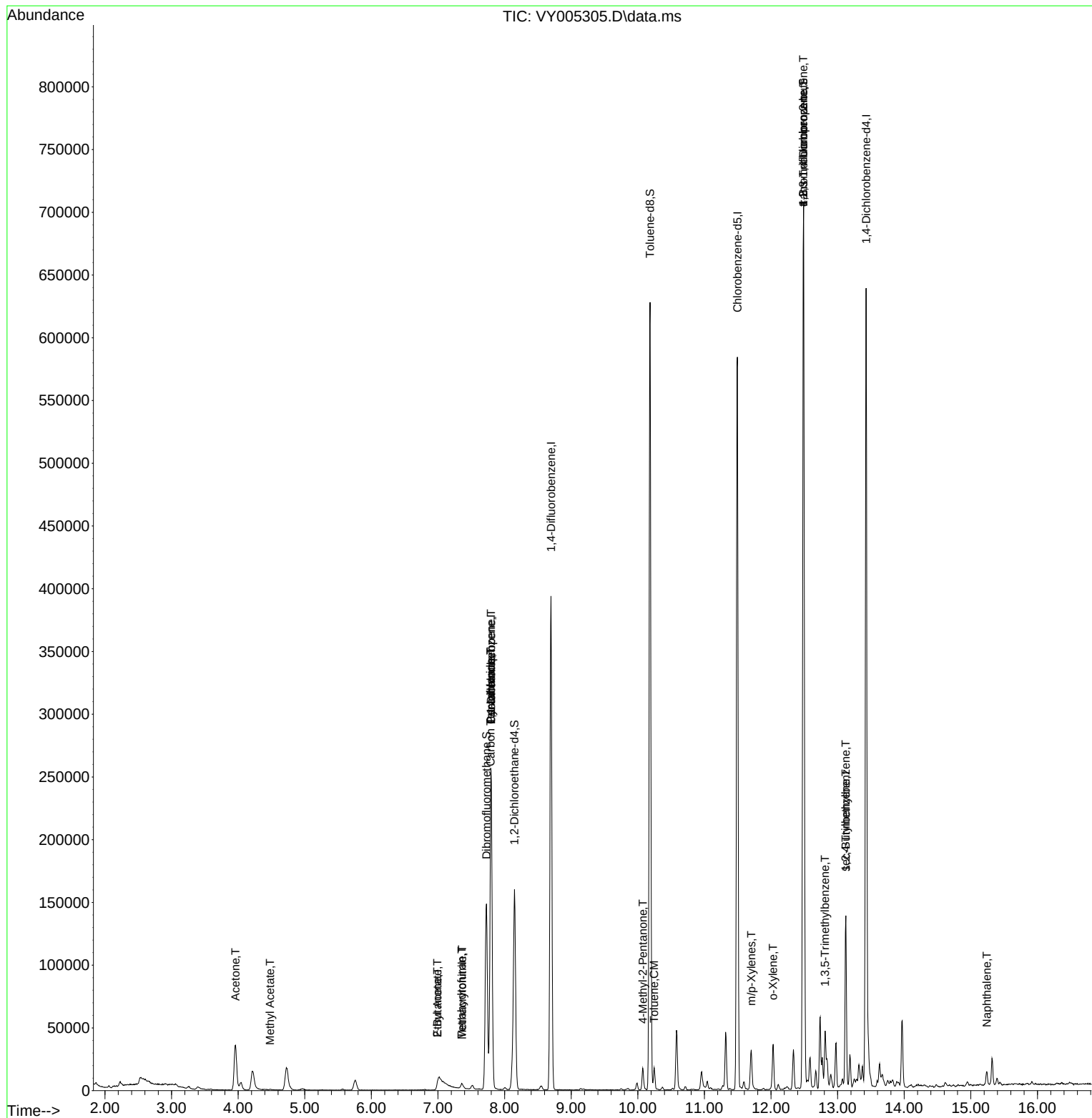
Internal Standards						
1) Pentafluorobenzene	7.795	168	215342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	342872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	334603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	113360	63.435	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.860%	
35) Dibromofluoromethane	7.728	113	104773	51.814	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.620%	
50) Toluene-d8	10.185	98	419712	51.902	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.800%	
62) 4-Bromofluorobenzene	12.483	95	146634	54.416	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	2118	Below Cal	#	90
16) Acetone	3.960	43	62793	152.105	ug/l	94
18) Methyl Acetate	4.479	43	1158	1.055	ug/l #	76
20) Methylene Chloride	4.722	84	14430	Below Cal		94
25) 2-Butanone	6.990	43	7737	12.853	ug/l #	87
29) Tetrahydrofuran	7.356	42	2922	7.378	ug/l	93
31) Cyclohexane	7.795	56	4102	1.286	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	15077	4.994	ug/l #	48
37) Ethyl Acetate	6.990	43	7737	4.969	ug/l #	70
38) Carbon Tetrachloride	7.789	117	18447	5.837	ug/l #	17
41) Methacrylonitrile	7.362	41	1841	2.132	ug/l #	100
51) 4-Methyl-2-Pentanone	10.075	43	10866	7.254	ug/l	93
52) Toluene	10.246	92	6801	1.195	ug/l	98
68) m/p-Xylenes	11.703	106	8855	1.933	ug/l	94
69) o-Xylene	12.032	106	9396	2.166	ug/l	95
76) 1,2,3-Trichloropropane	12.483	75	74918	49.600	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	17729	1.940	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	74918	92.542	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.123	105	72694	8.046	ug/l	100
85) sec-Butylbenzene	13.123	105	72694	6.133	ug/l #	54
95) Naphthalene	15.239	128	9593	1.486	ug/l	99

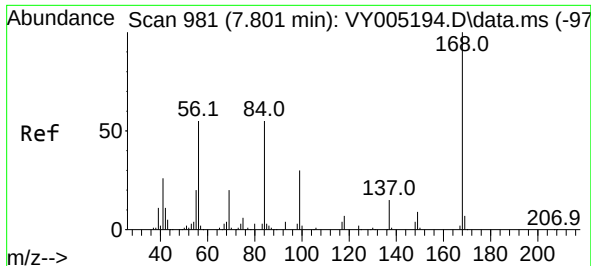
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 23 07:57:52 2021
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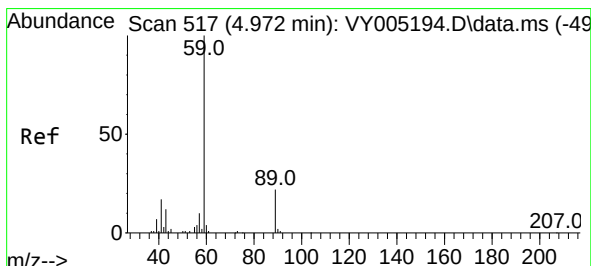
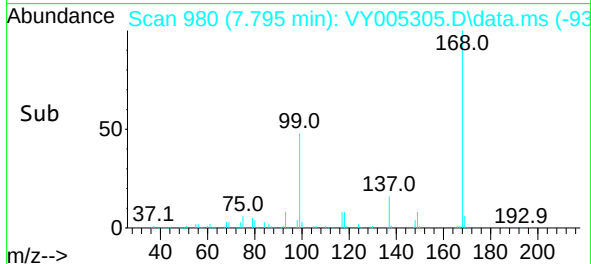
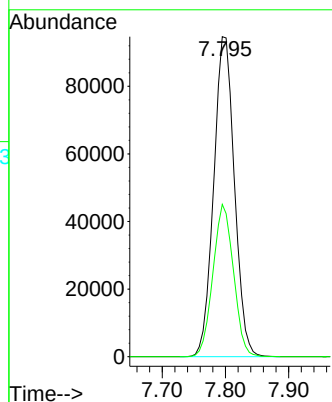
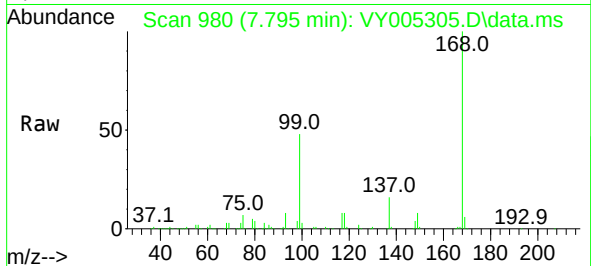




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

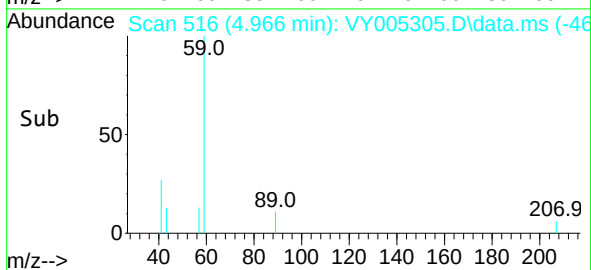
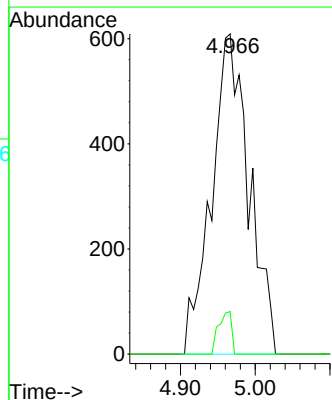
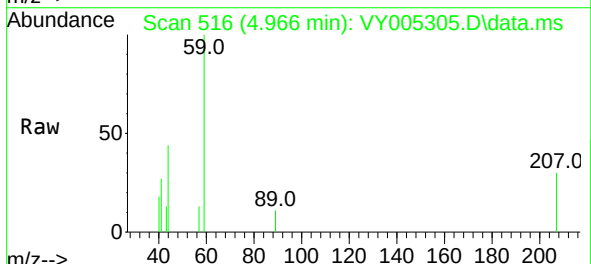
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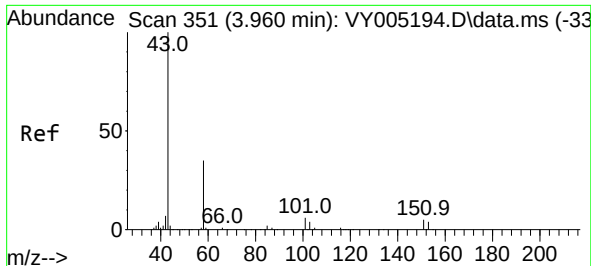
Tgt Ion:168 Resp: 215342
Ion Ratio Lower Upper
168 100
99 47.6 36.2 54.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

Tgt Ion: 59 Resp: 2118
Ion Ratio Lower Upper
59 100
57 4.6 6.5 9.7#

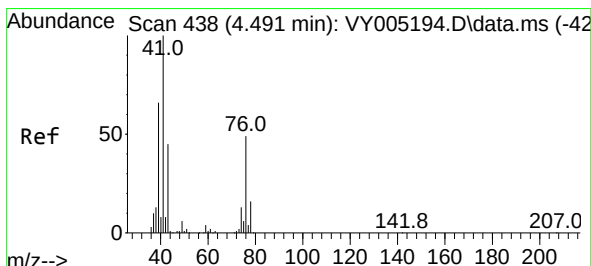
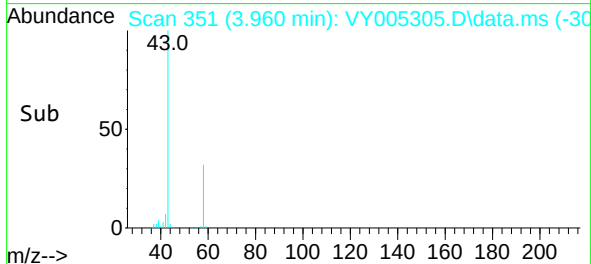
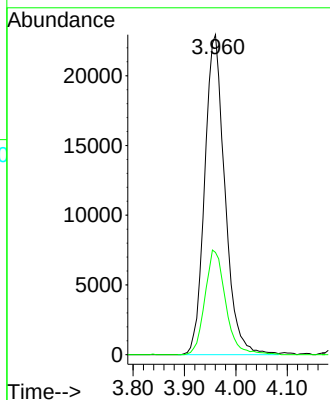
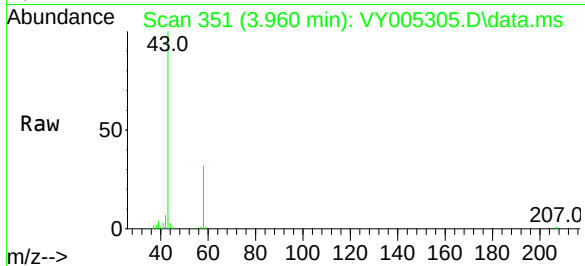




#16
Acetone
Concen: 152.105 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

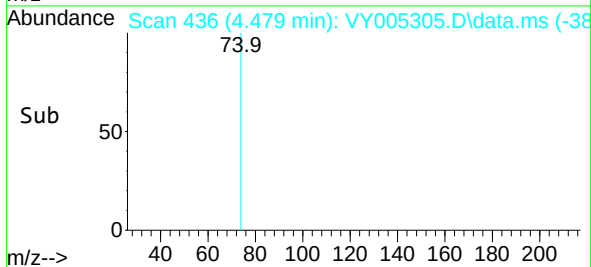
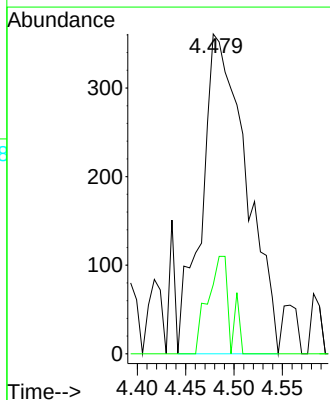
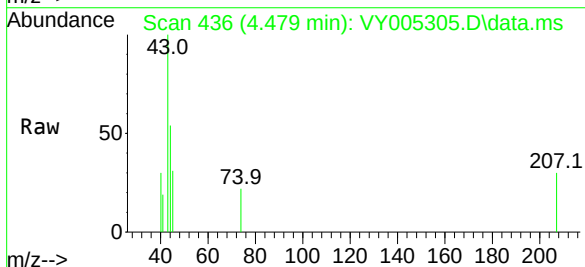
Instrument :
MSVOA_Y
ClientSampleId :
VB16208

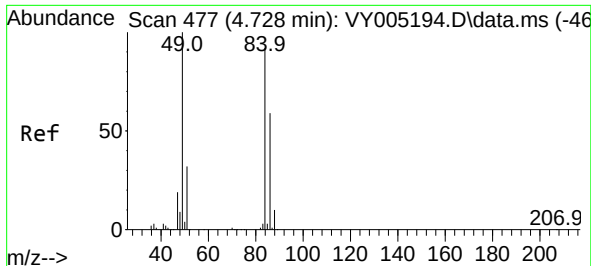
Tgt Ion: 43 Resp: 62793
Ion Ratio Lower Upper
43 100
58 31.9 28.2 42.2



#18
Methyl Acetate
Concen: 1.055 ug/l
RT: 4.479 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

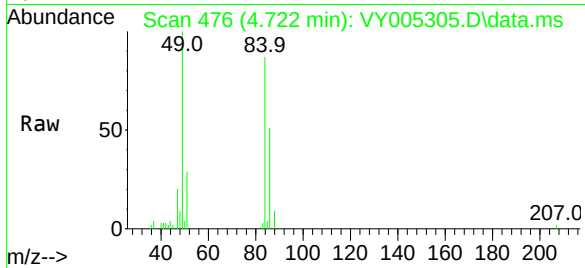
Tgt Ion: 43 Resp: 1158
Ion Ratio Lower Upper
43 100
74 15.2 22.5 33.7#



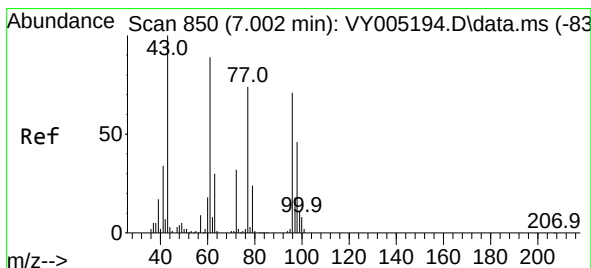
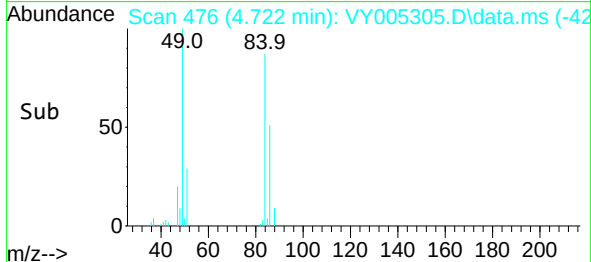
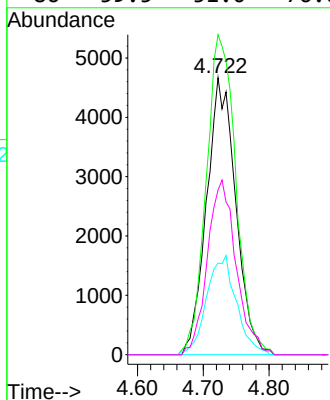


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

Instrument :
MSVOA_Y
ClientSampleId :
VB16208

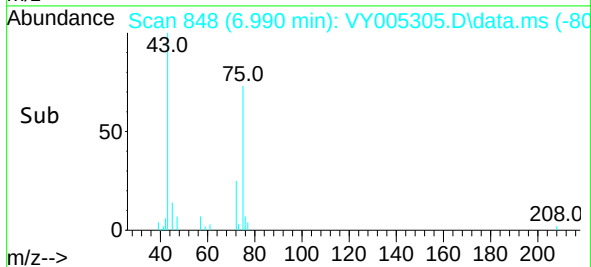
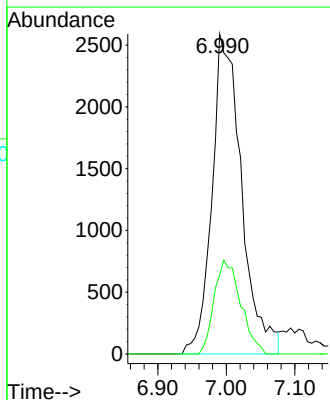
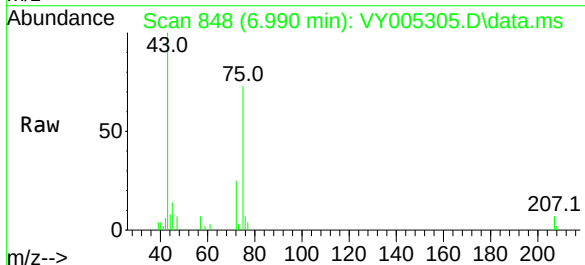


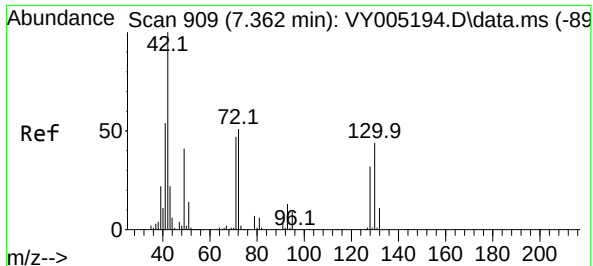
Tgt Ion:	84	Resp:	14430
Ion	Ratio	Lower	Upper
84	100		
49	115.5	86.9	130.3
51	33.0	27.4	41.2
86	59.5	51.0	76.6



#25
2-Butanone
Concen: 12.853 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

Tgt Ion:	43	Resp:	7737
Ion	Ratio	Lower	Upper
43	100		
72	24.6	25.3	37.9#





#29

Tetrahydrofuran

Concen: 7.378 ug/l

RT: 7.356 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY005305.D

Acq: 30 Jun 2021 18:01

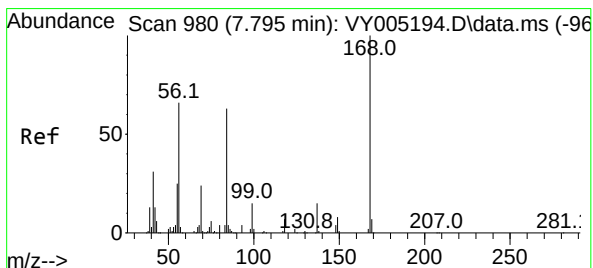
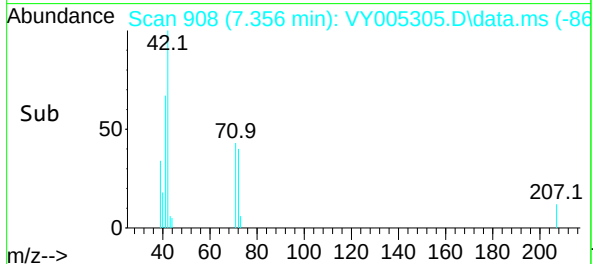
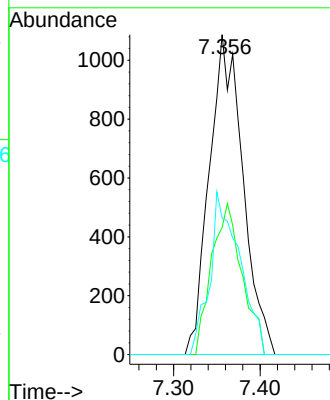
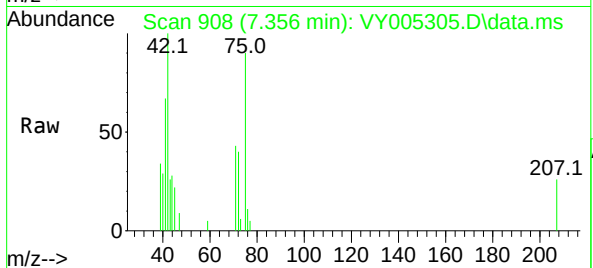
Instrument :

MSVOA_Y

ClientSampleId :

VB16208

Tgt Ion:	42	Resp:	2922
Ion	Ratio	Lower	Upper
42	100		
72	43.0	40.9	61.3
71	45.4	37.9	56.9



#31

Cyclohexane

Concen: 1.286 ug/l

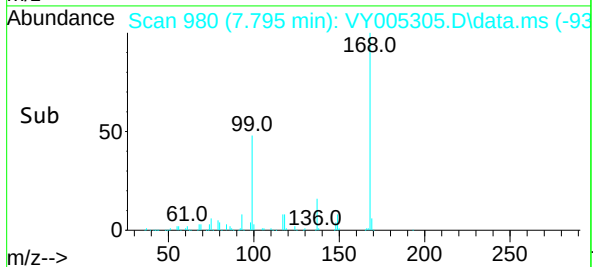
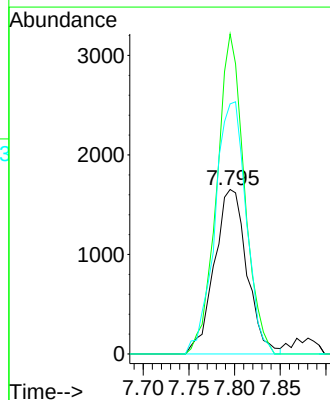
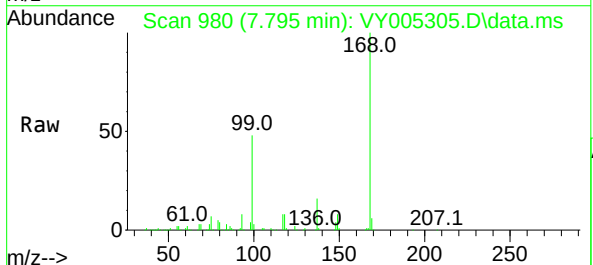
RT: 7.795 min Scan# 980

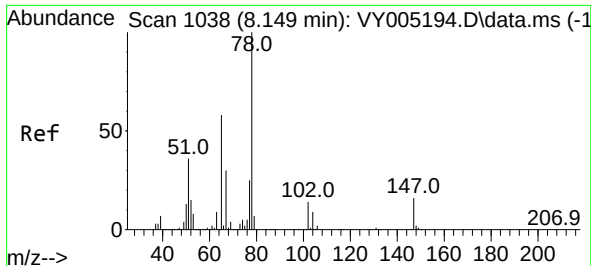
Delta R.T. 0.000 min

Lab File: VY005305.D

Acq: 30 Jun 2021 18:01

Tgt Ion:	56	Resp:	4102
Ion	Ratio	Lower	Upper
56	100		
69	194.4	29.6	44.4#
84	151.9	76.4	114.6#

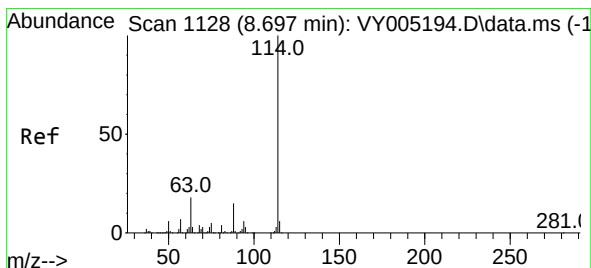
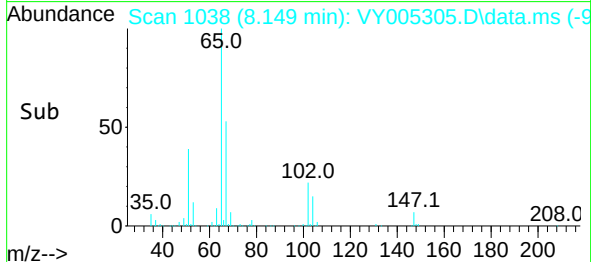
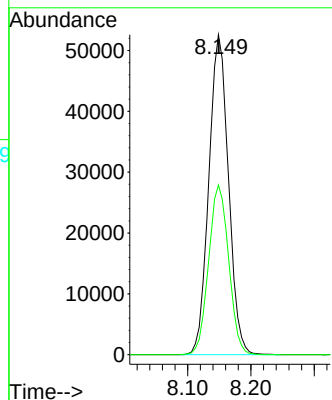
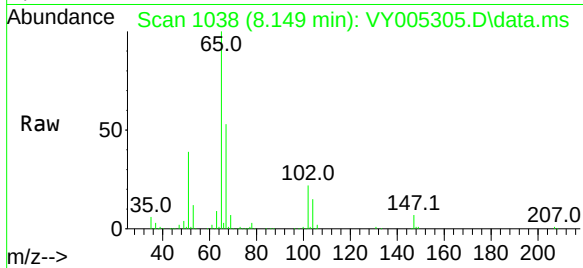




#33
 1,2-Dichloroethane-d4
 Concen: 63.435 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY005305.D
 Acq: 30 Jun 2021 18:01

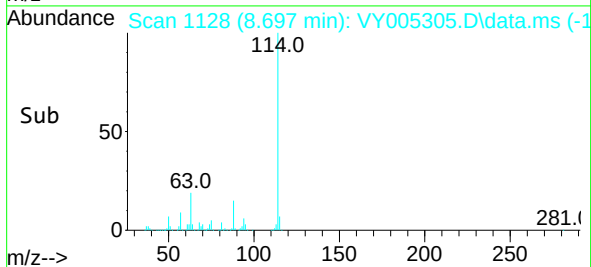
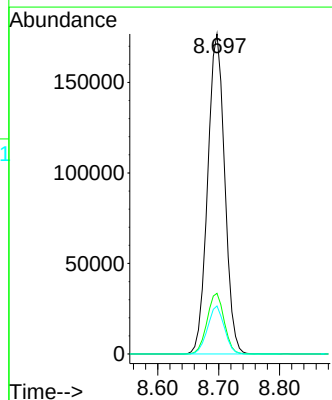
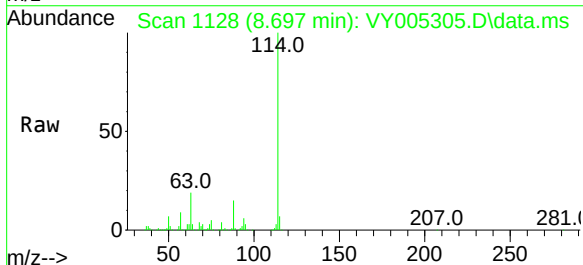
Instrument :
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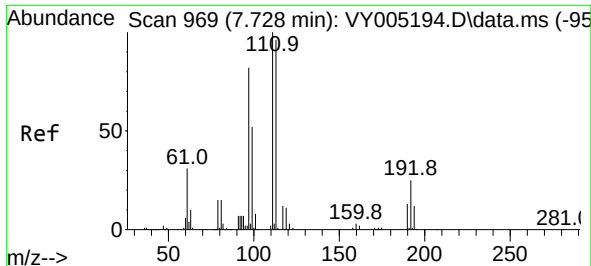
Tgt Ion: 65 Resp: 113360
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY005305.D
 Acq: 30 Jun 2021 18:01

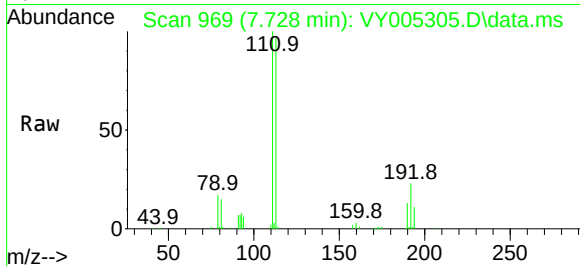
Tgt Ion: 114 Resp: 342872
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 35.2
 88 15.0 0.0 29.4



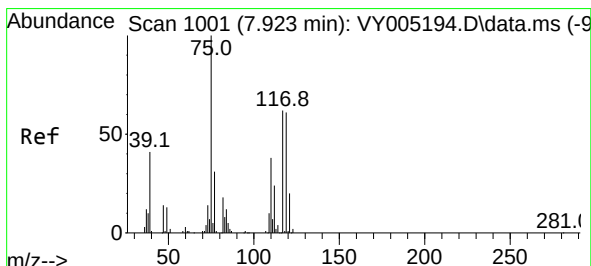
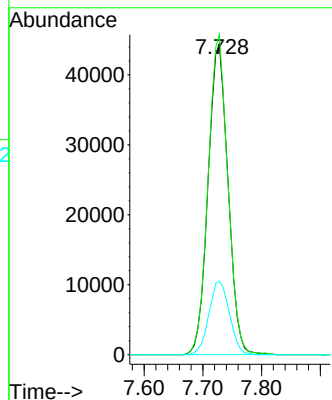
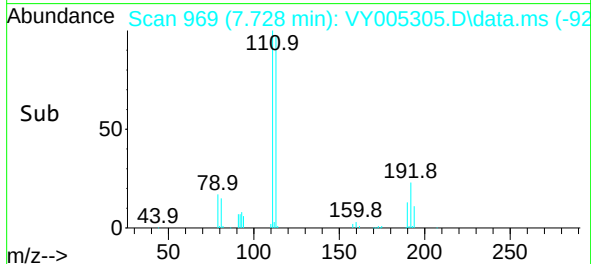


#35
Dibromofluoromethane
Concen: 51.814 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

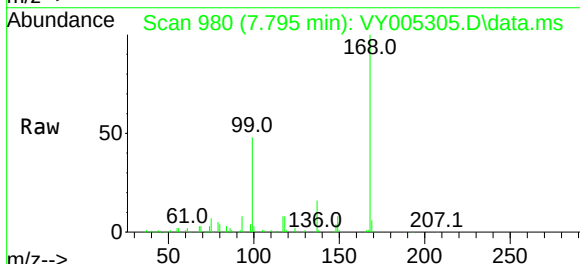
Instrument :
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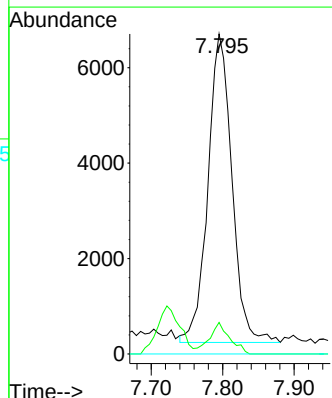
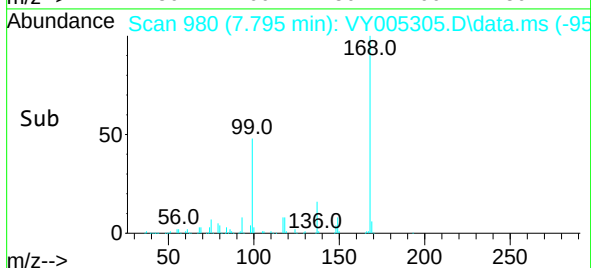
Tgt Ion:113 Resp: 104773
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 24.3 20.2 30.2

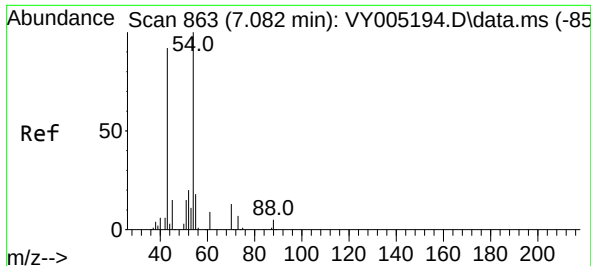


#36
1,1-Dichloropropene
Concen: 4.994 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01



Tgt Ion: 75 Resp: 15077
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.5#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 4.969 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.091 min

Lab File: VY005305.D

Acq: 30 Jun 2021 18:01

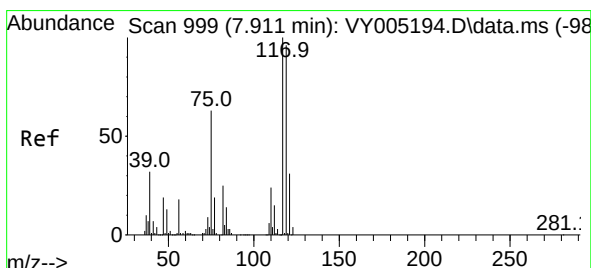
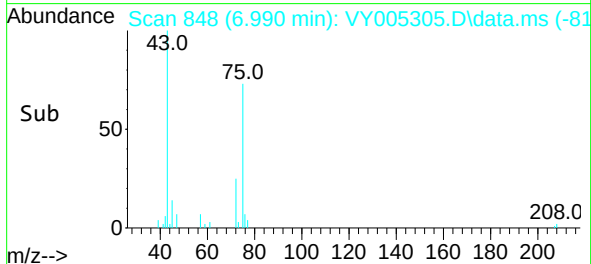
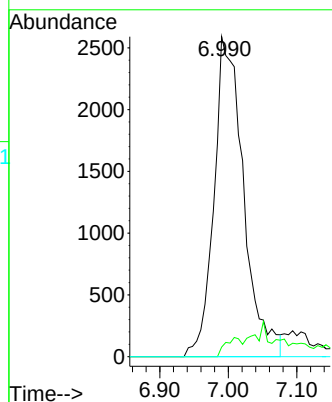
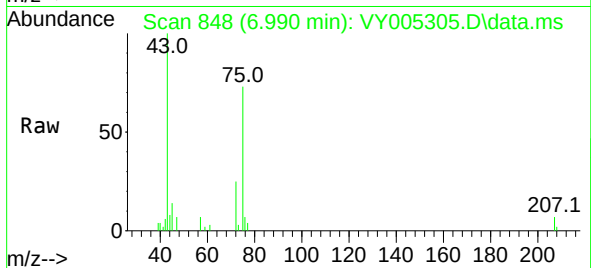
Instrument :

MSVOA_Y

ClientSampleId :

VB16208

Tgt Ion: 43	Resp: 7737
Ion Ratio	Lower Upper
43 100	
61 3.3	12.8 19.2#
70 0.0	9.7 14.5#



#38

Carbon Tetrachloride

Concen: 5.837 ug/l

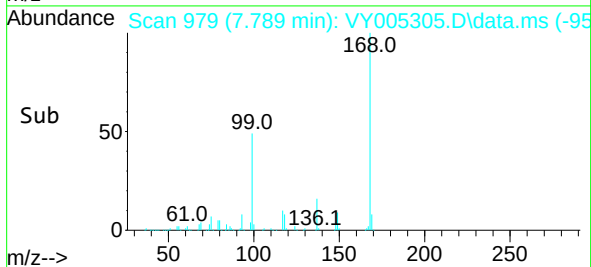
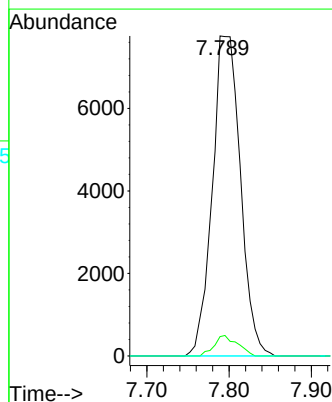
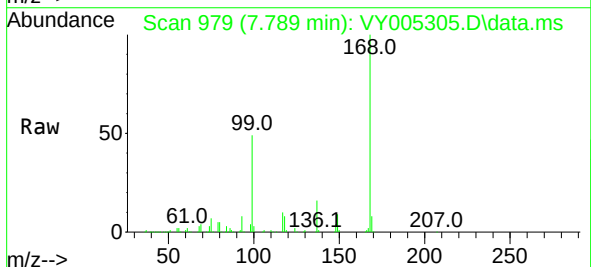
RT: 7.789 min Scan# 979

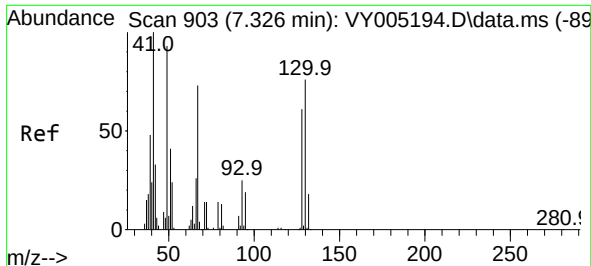
Delta R.T. -0.122 min

Lab File: VY005305.D

Acq: 30 Jun 2021 18:01

Tgt Ion: 117	Resp: 18447
Ion Ratio	Lower Upper
117 100	
119 6.0	76.2 114.4#
121 0.0	24.7 37.1#

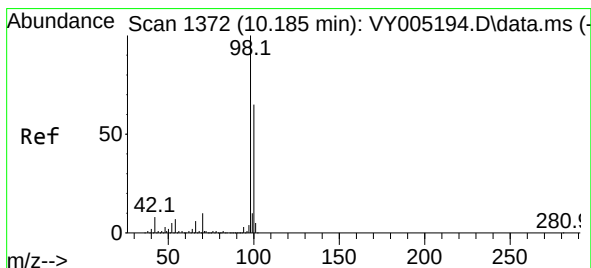
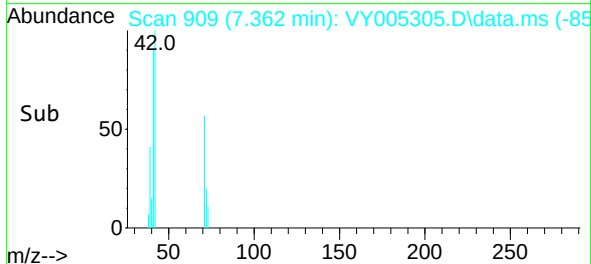
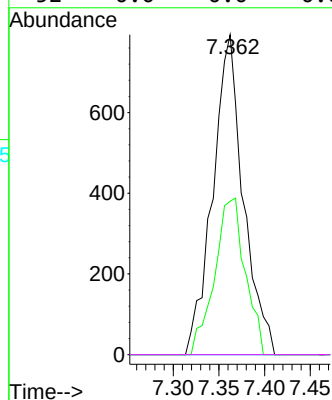
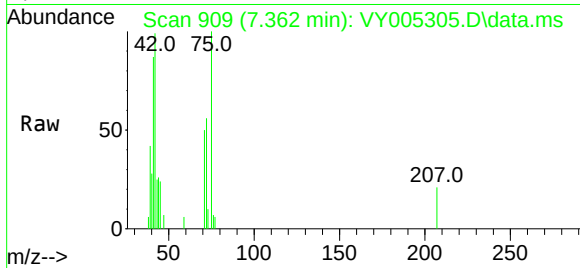




#41
Methacrylonitrile
Concen: 2.132 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.037 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

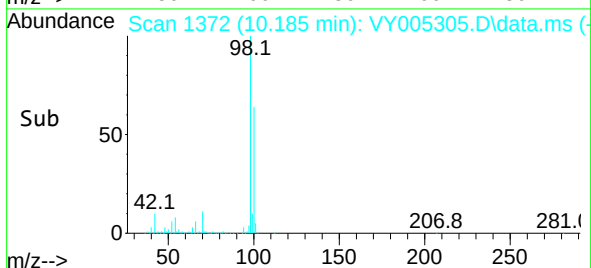
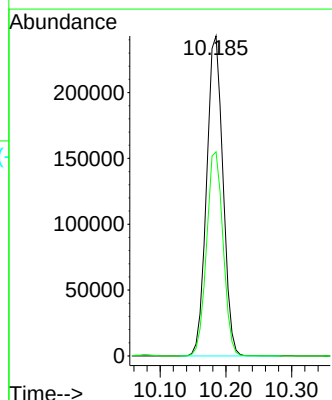
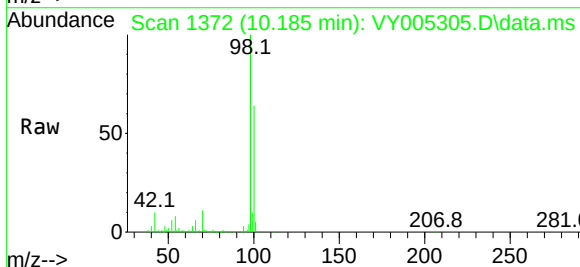
Instrument :
MSVOA_Y
ClientSampleId :
VB16208

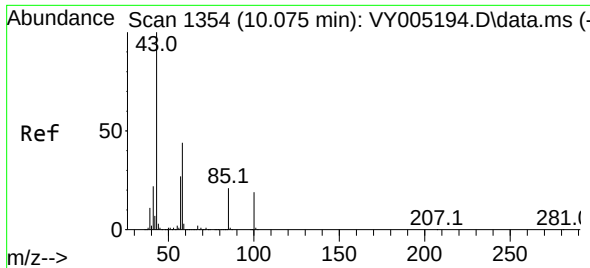
Tgt Ion:	41	Resp:	1841
Ion	Ratio	Lower	Upper
41	100		
39	49.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 51.902 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

Tgt Ion:	98	Resp:	419712
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9

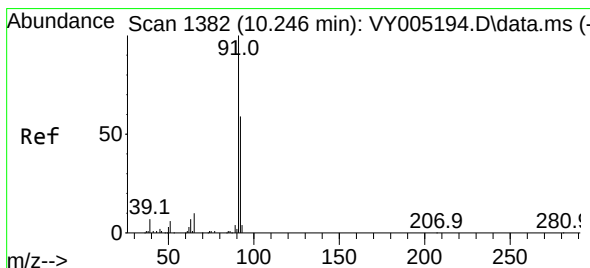
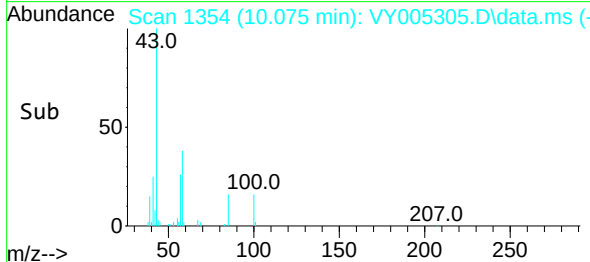
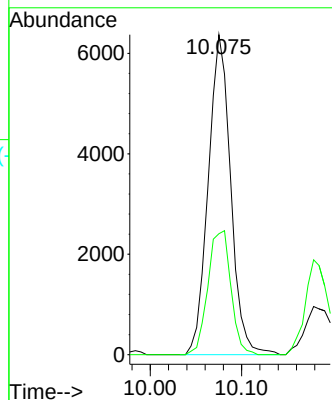
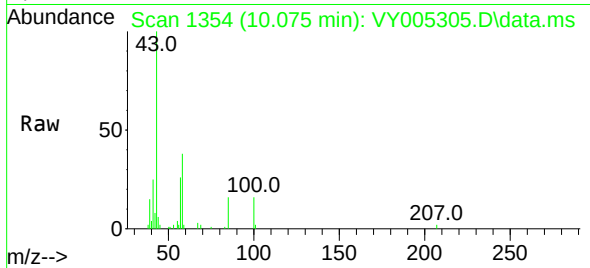




#51
4-Methyl-2-Pentanone
Concen: 7.254 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

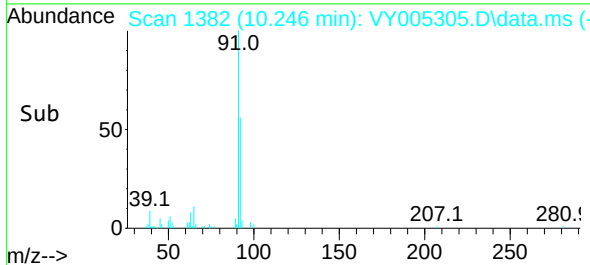
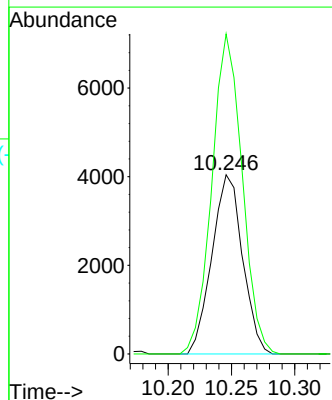
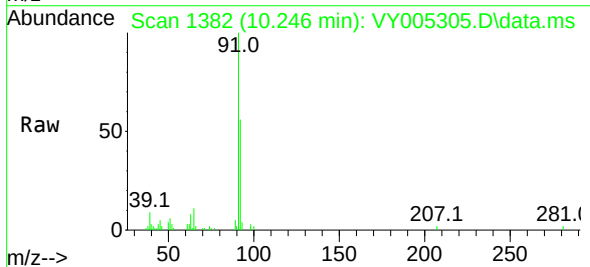
Instrument :
MSVOA_Y
ClientSampleId :
VB16208

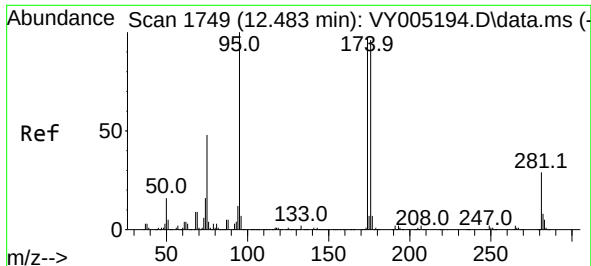
Tgt Ion: 43 Resp: 10866
Ion Ratio Lower Upper
43 100
58 39.7 35.3 52.9



#52
Toluene
Concen: 1.195 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

Tgt Ion: 92 Resp: 6801
Ion Ratio Lower Upper
92 100
91 176.3 138.3 207.5

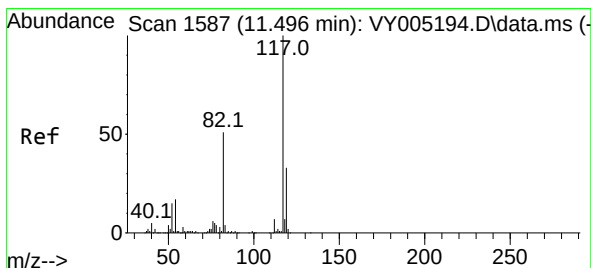
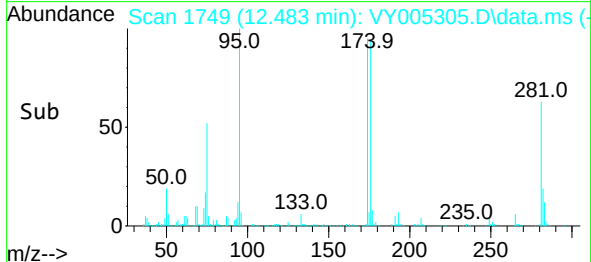
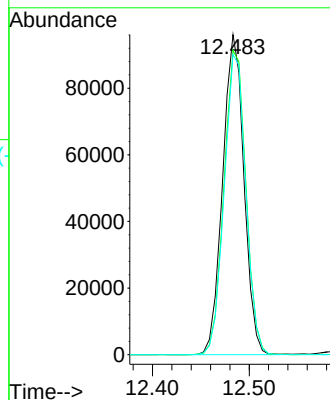
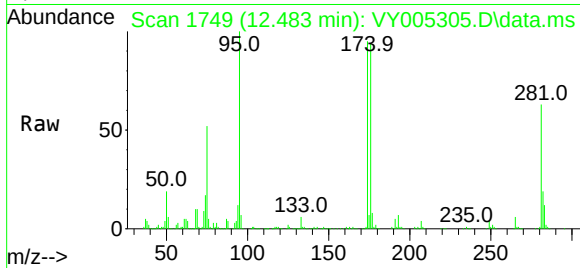




#62
4-Bromofluorobenzene
Concen: 54.416 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

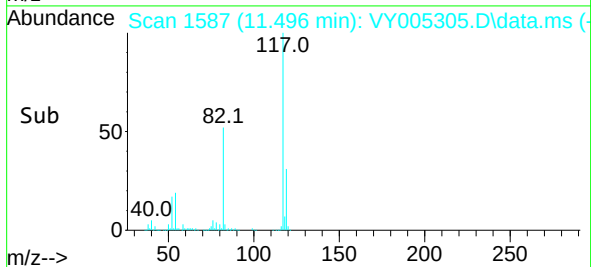
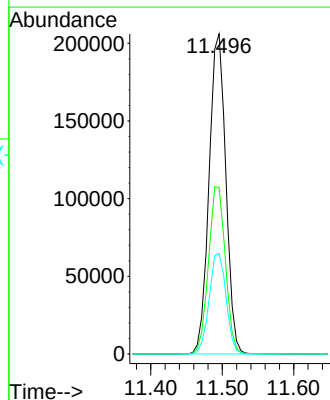
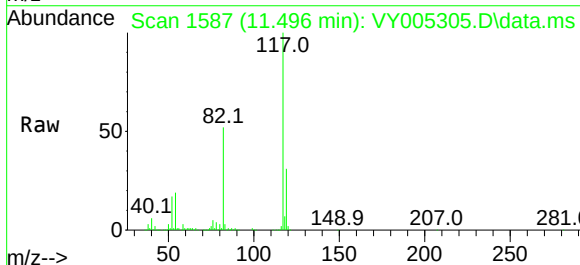
Instrument :
MSVOA_Y
ClientSampleId :
VB16208

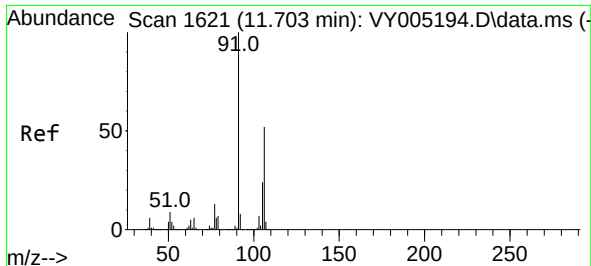
Tgt Ion: 95 Resp: 146634
Ion Ratio Lower Upper
95 100
174 97.7 0.0 201.6
176 95.2 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

Tgt Ion: 117 Resp: 334603
Ion Ratio Lower Upper
117 100
82 52.0 40.6 60.8
119 31.3 26.1 39.1

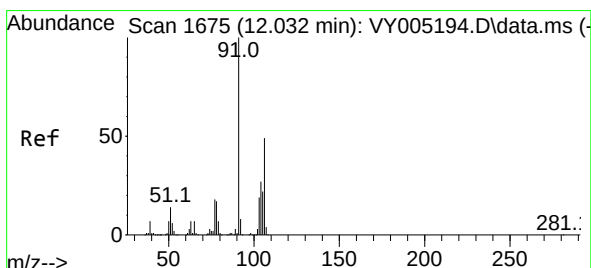
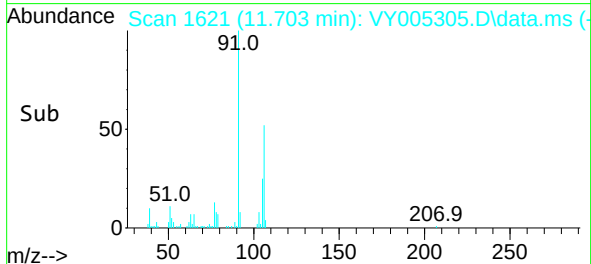
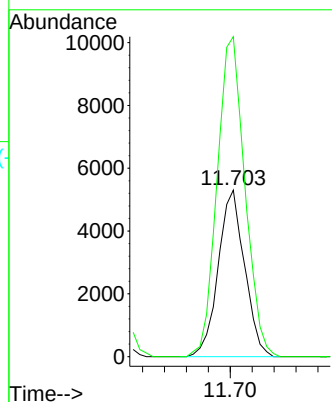
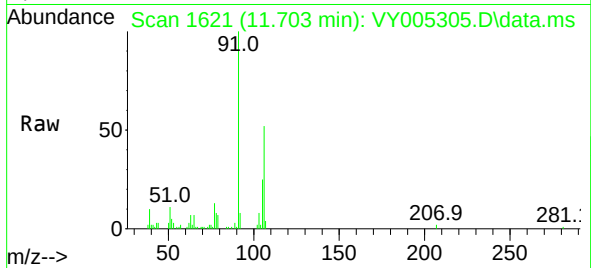




#68
m/p-Xylenes
Concen: 1.933 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

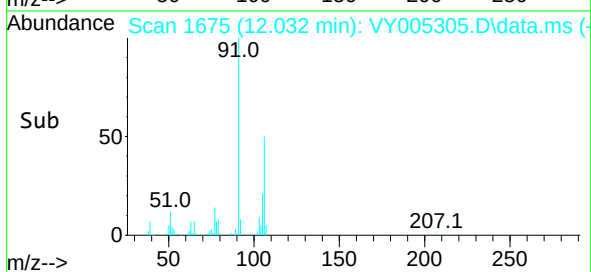
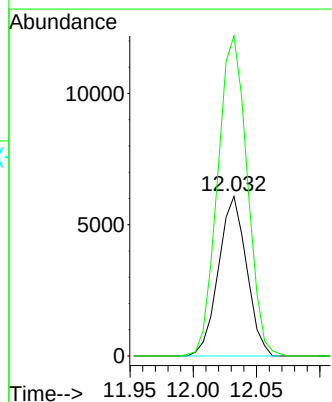
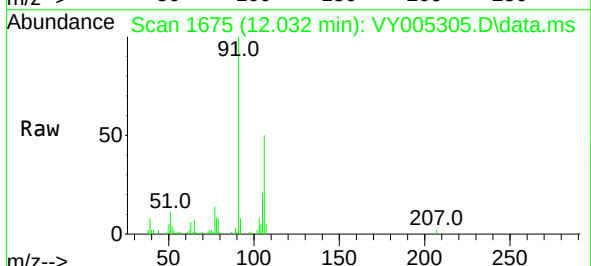
Instrument :
MSVOA_Y
ClientSampleId :
VB16208

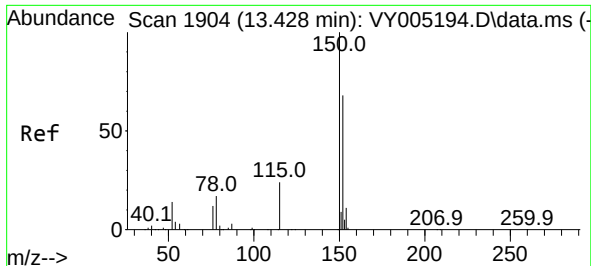
Tgt Ion:106 Resp: 8855
Ion Ratio Lower Upper
106 100
91 202.6 154.8 232.2



#69
o-Xylene
Concen: 2.166 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

Tgt Ion:106 Resp: 9396
Ion Ratio Lower Upper
106 100
91 210.8 101.6 304.8

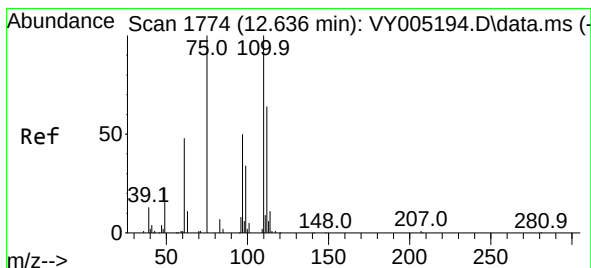
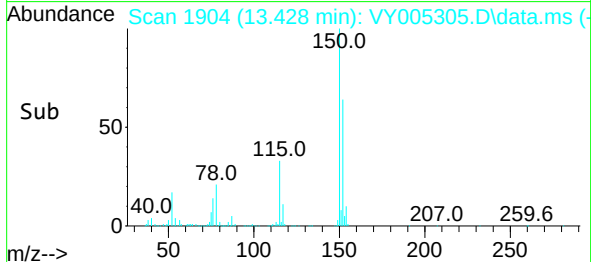
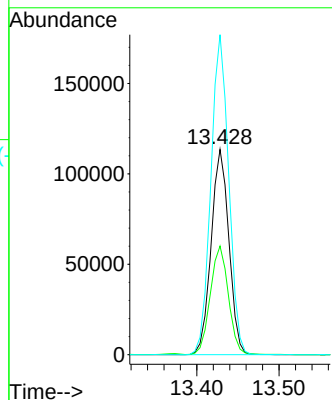
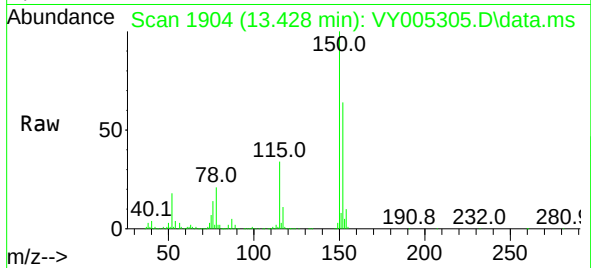




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY005305.D
 Acq: 30 Jun 2021 18:01

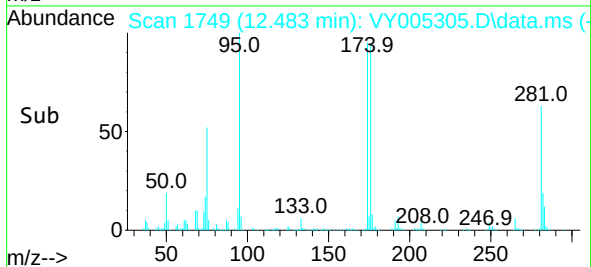
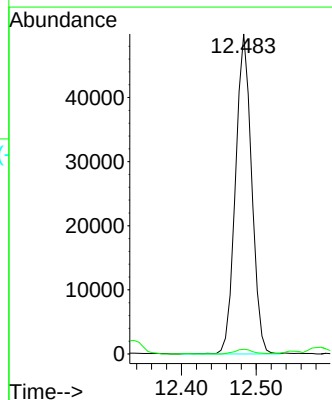
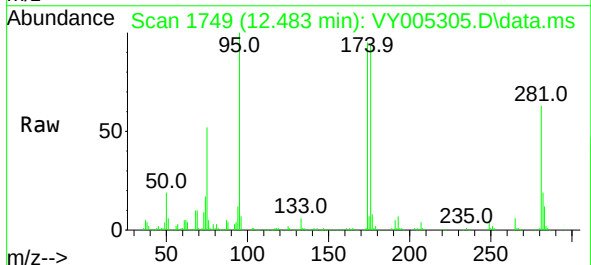
Instrument :
 MSVOA_Y
 ClientSampleId :
 VB16208

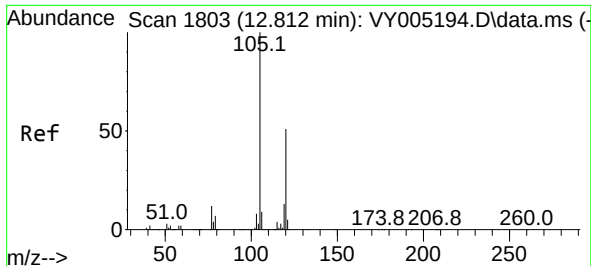
Tgt Ion:152 Resp: 170309
 Ion Ratio Lower Upper
 152 100
 115 53.6 26.3 78.8
 150 156.4 0.0 344.2



#76
 1,2,3-Trichloropropane
 Concen: 49.600 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005305.D
 Acq: 30 Jun 2021 18:01

Tgt Ion: 75 Resp: 74918
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

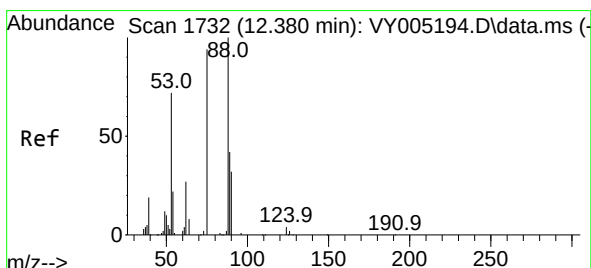
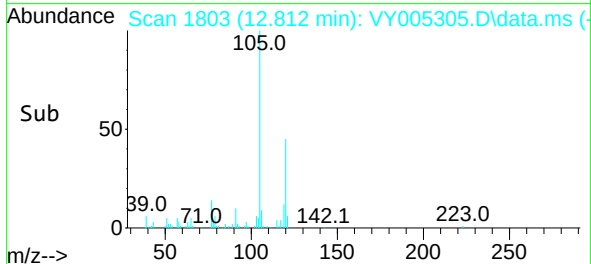
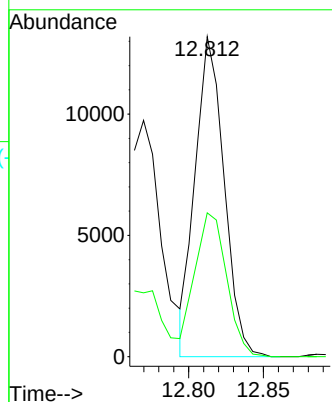
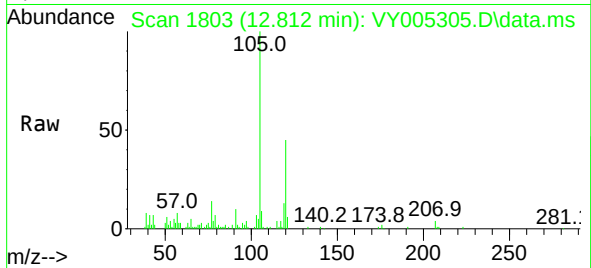




#80
1,3,5-Trimethylbenzene
Concen: 1.940 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

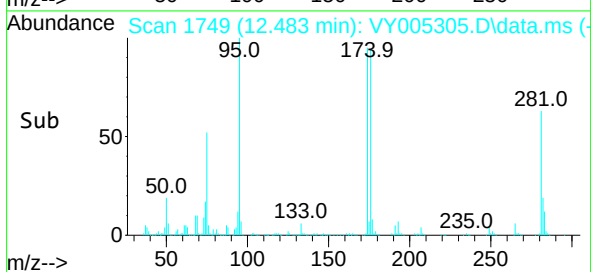
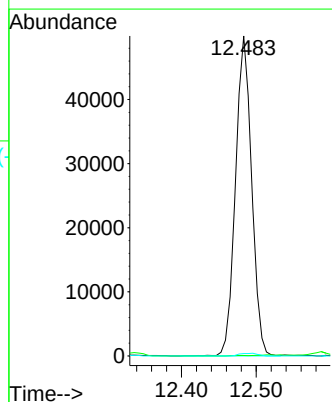
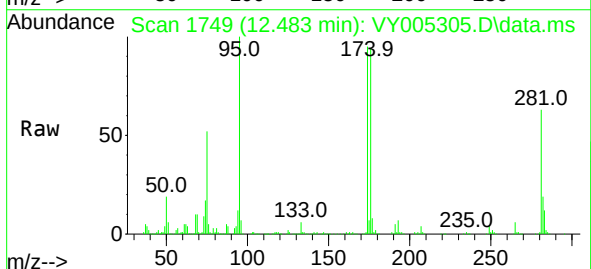
Instrument :
MSVOA_Y
ClientSampleId :
VB16208

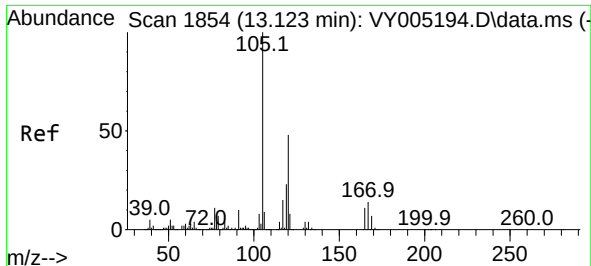
Tgt Ion:105 Resp: 17729
Ion Ratio Lower Upper
105 100
120 49.4 25.9 77.7



#81
trans-1,4-Dichloro-2-butene
Concen: 92.542 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

Tgt Ion: 75 Resp: 74918
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.9 38.0 57.0#

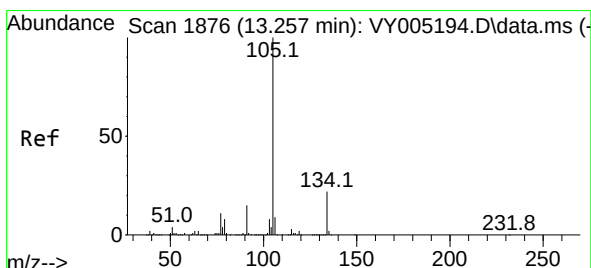
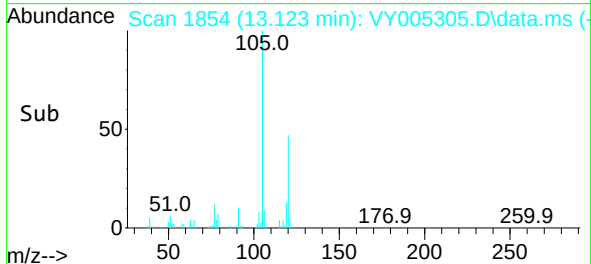
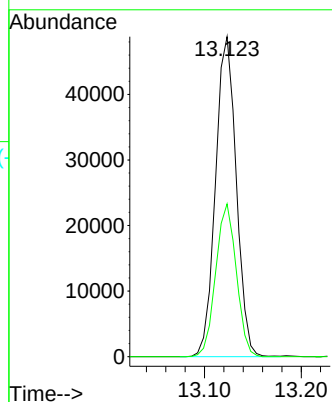
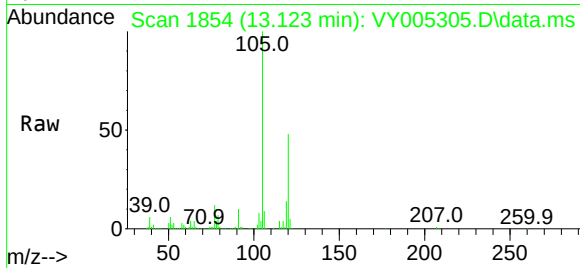




#84
1,2,4-Trimethylbenzene
Concen: 8.046 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

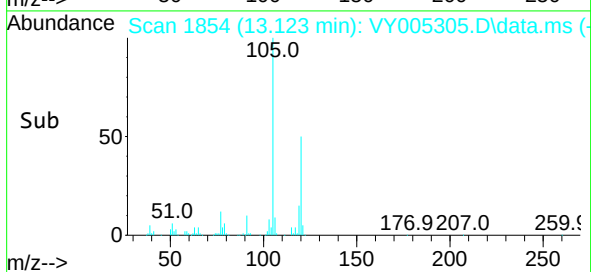
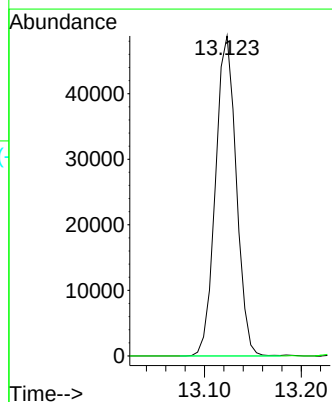
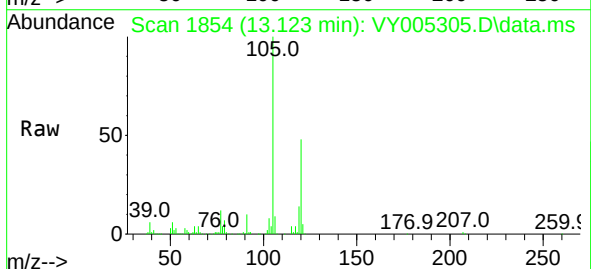
Instrument :
MSVOA_Y
ClientSampleId :
VB16208

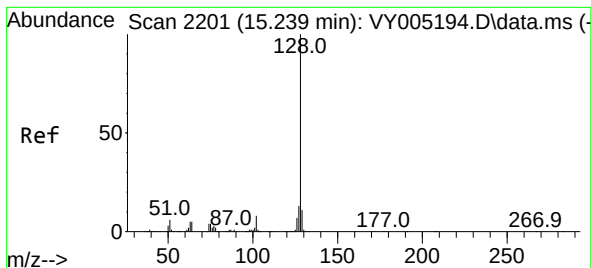
Tgt Ion:105 Resp: 72694
Ion Ratio Lower Upper
105 100
120 47.3 23.6 71.0



#85
sec-Butylbenzene
Concen: 6.133 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.134 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

Tgt Ion:105 Resp: 72694
Ion Ratio Lower Upper
105 100
134 0.0 10.9 32.6#





#95
Naphthalene
Concen: 1.486 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005305.D
Acq: 30 Jun 2021 18:01

Instrument :
MSVOA_Y
ClientSampleId :
VB16208

Tgt Ion:128 Resp: 9593
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.8 8.7 13.1

