

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092021\
 Data File : VY006098.D
 Acq On : 20 Sep 2021 15:55
 Operator : SY/MD
 Sample : M3770-01
 Misc : 6.32G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

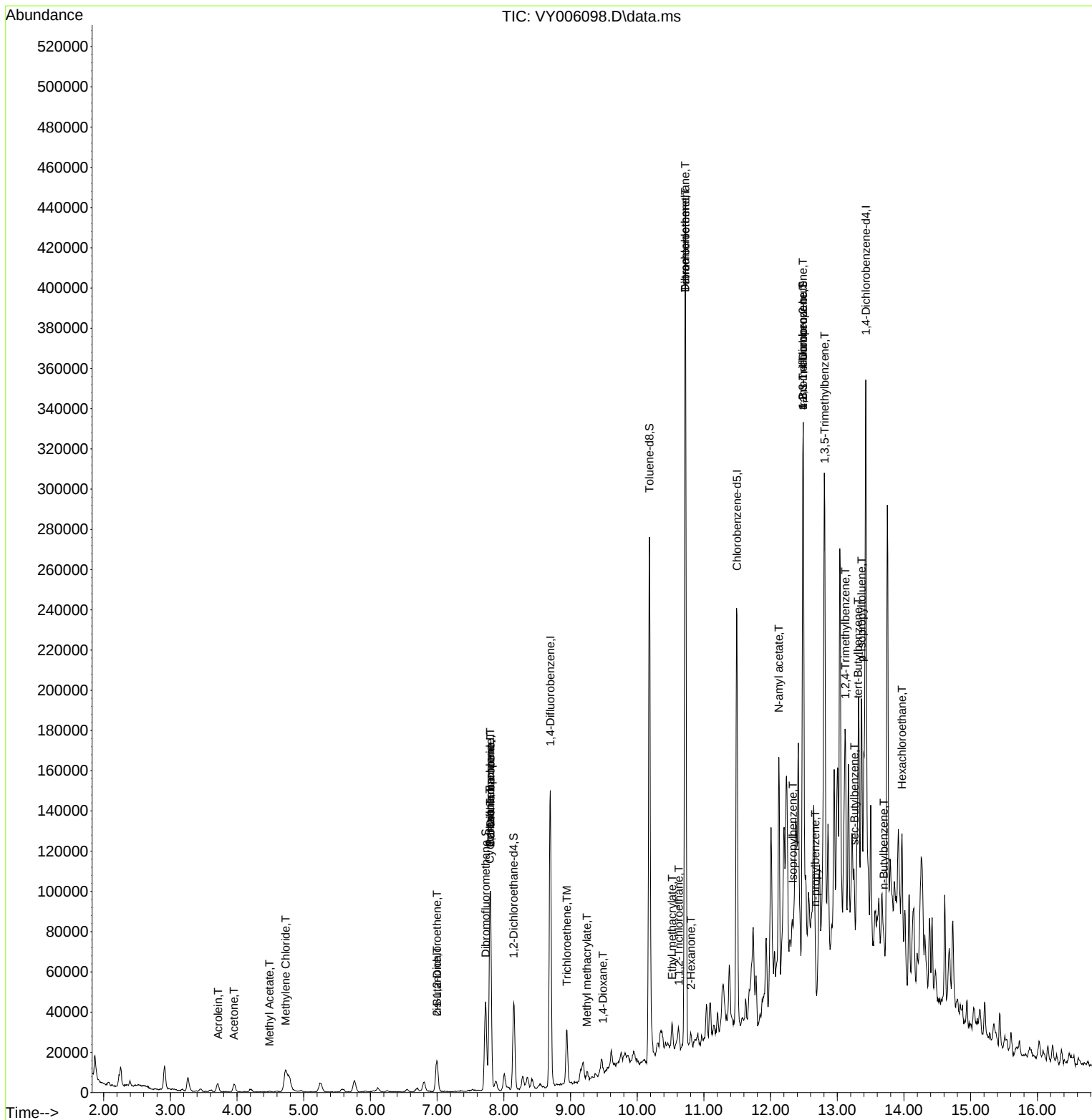
Quant Time: Sep 21 02:11:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

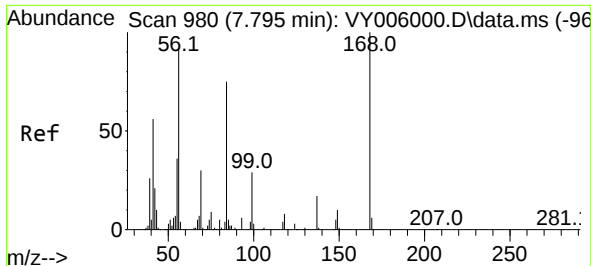
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	72703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	114521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	105987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	50731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	33866	33.534	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	67.060%		
35) Dibromofluoromethane	7.728	113	29448	41.400	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.800%		
50) Toluene-d8	10.185	98	151914	50.110	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.220%		
62) 4-Bromofluorobenzene	12.483	95	51170	49.714	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.420%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1333	Below Cal	#	88
13) Acrolein	3.717	56	258	4.252	ug/l #	1
16) Acetone	3.954	43	6866	24.788	ug/l	93
18) Methyl Acetate	4.485	43	802	1.149	ug/l #	64
20) Methylene Chloride	4.729	84	6304	2.917	ug/l	86
25) 2-Butanone	6.996	43	1585	4.152	ug/l	93
27) cis-1,2-Dichloroethene	6.996	96	8435	9.288	ug/l	85
31) Cyclohexane	7.789	56	5676	3.509	ug/l #	83
36) 1,1-Dichloropropene	7.801	75	6013	4.865	ug/l #	54
38) Carbon Tetrachloride	7.795	117	7274	5.406	ug/l #	16
44) Trichloroethene	8.947	130	8582	9.716	ug/l	100
48) Methyl methacrylate	9.246	41	1000	1.361	ug/l #	50
49) 1,4-Dioxane	9.484	88	25	3.817	ug/l #	20
55) 1,1,2-Trichloroethane	10.624	97	3669	5.626	ug/l #	22
56) Ethyl methacrylate	10.526	69	1966	1.886	ug/l #	61
59) 2-Hexanone	10.807	43	3029	5.174	ug/l #	30
60) Dibromochloromethane	10.721	129	76938	95.683	ug/l #	11
64) Tetrachloroethene	10.721	164	88522	102.116	ug/l	98
73) Isopropylbenzene	12.337	105	5155	1.298	ug/l	79
74) N-amyl acetate	12.124	43	25368	18.492	ug/l #	68
76) 1,2,3-Trichloropropane	12.483	75	28387	52.482	ug/l #	100
78) n-propylbenzene	12.672	91	8428	1.715	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	17918	5.438	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	28387	96.489	ug/l #	10
83) tert-Butylbenzene	13.312	119	7826	2.777	ug/l	70
84) 1,2,4-Trimethylbenzene	13.123	105	47082	14.404	ug/l	96
85) sec-Butylbenzene	13.258	105	5963	1.414	ug/l #	59
86) p-Isopropyltoluene	13.367	119	6498	1.804	ug/l	99
89) n-Butylbenzene	13.697	91	3750	1.114	ug/l #	78
90) Hexachloroethane	13.971	117	1189	1.835	ug/l #	8

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

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Response via : Initial Calibration

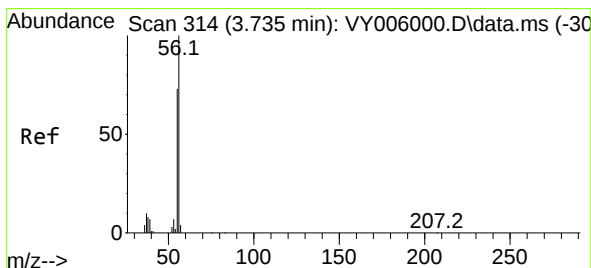
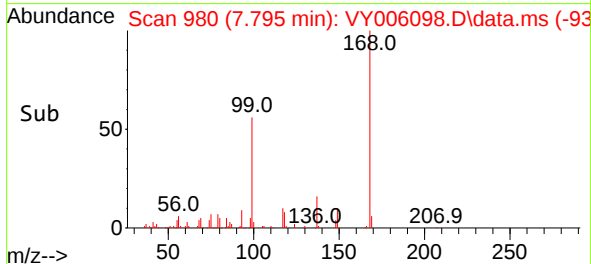
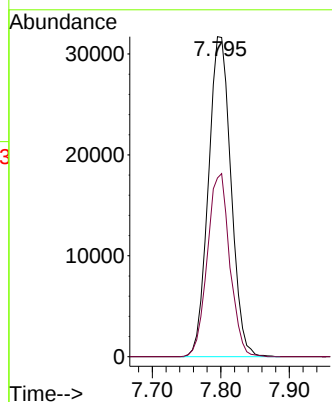
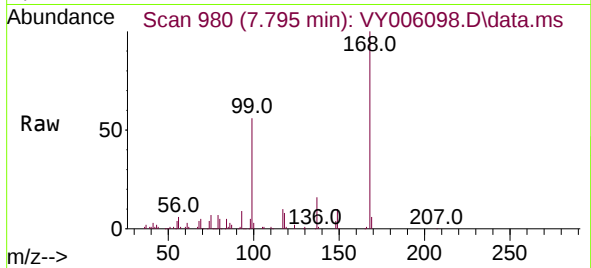




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

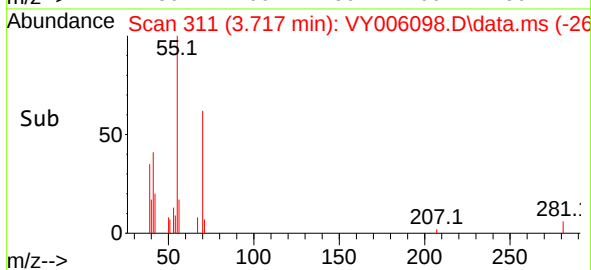
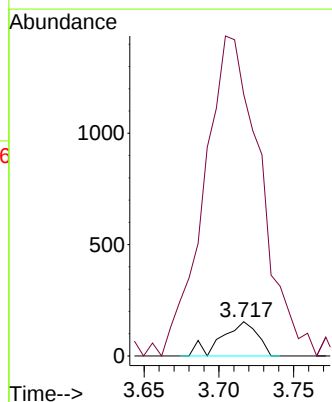
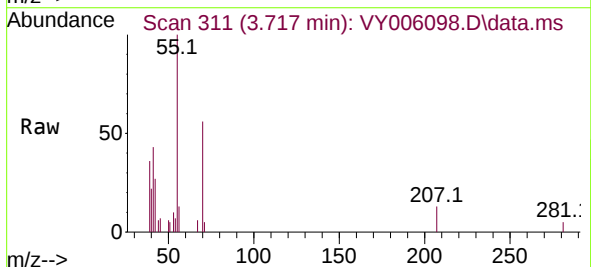
Instrument :
MSVOA_Y
ClientSampled :

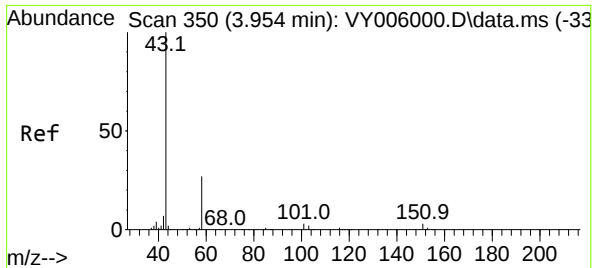
Tgt Ion:168 Resp: 72703
Ion Ratio Lower Upper
168 100
99 55.8 46.9 70.3



#13
Acrolein
Concen: 4.252 ug/l
RT: 3.717 min Scan# 311
Delta R.T. -0.018 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
55 1477.5 57.6 86.4#

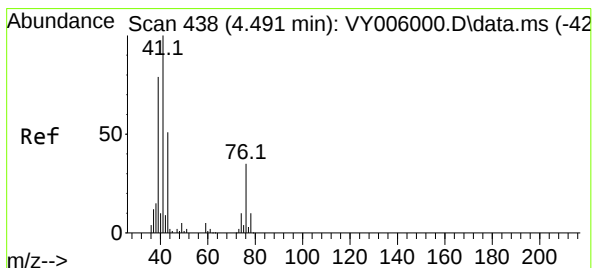
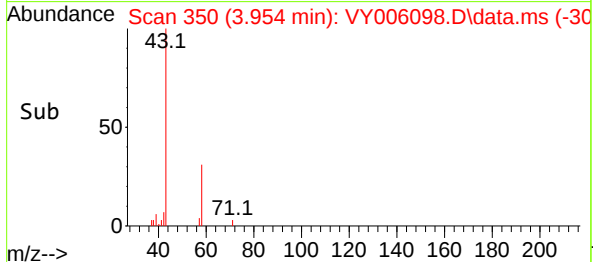
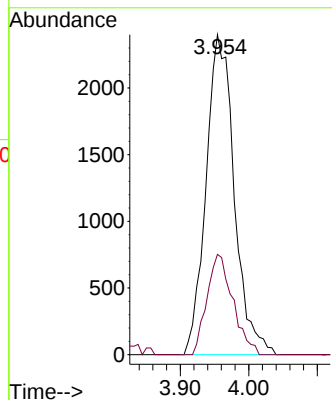
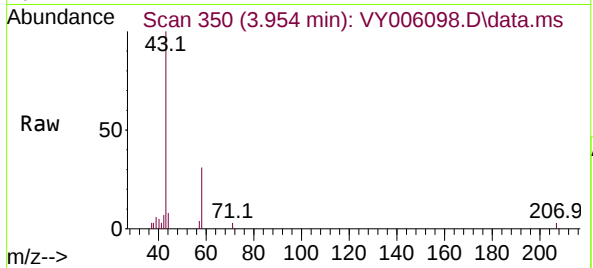




#16
Acetone
Concen: 24.788 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

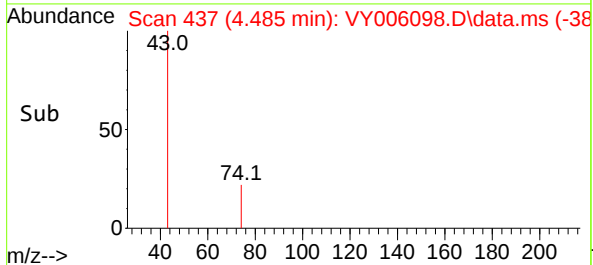
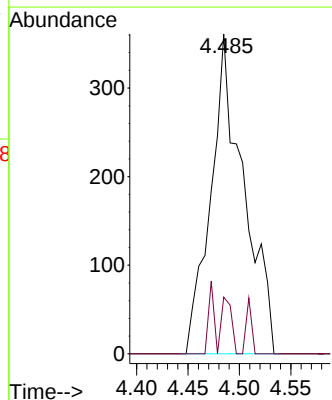
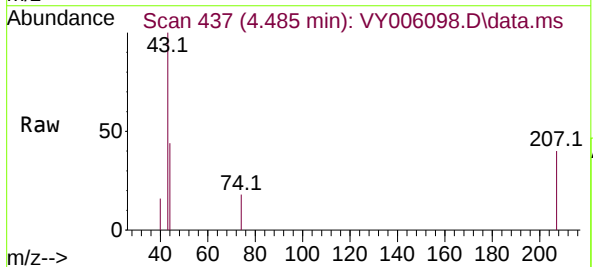
Instrument :
MSVOA_Y
ClientSampled :

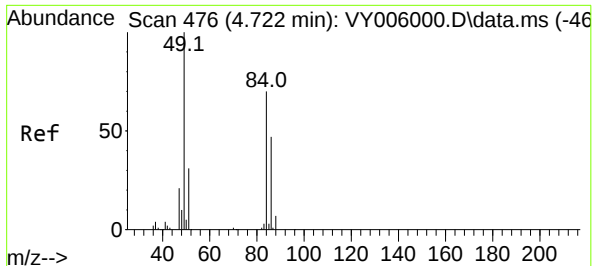
Tgt Ion: 43 Resp: 6866
Ion Ratio Lower Upper
43 100
58 31.4 22.0 33.0



#18
Methyl Acetate
Concen: 1.149 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

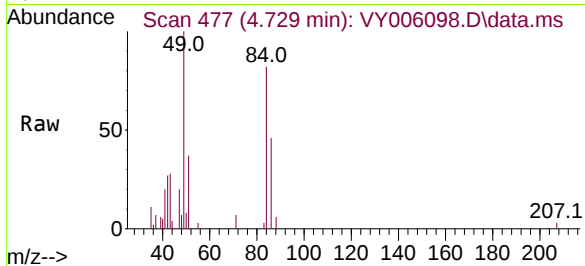
Tgt Ion: 43 Resp: 802
Ion Ratio Lower Upper
43 100
74 3.7 16.6 24.8#



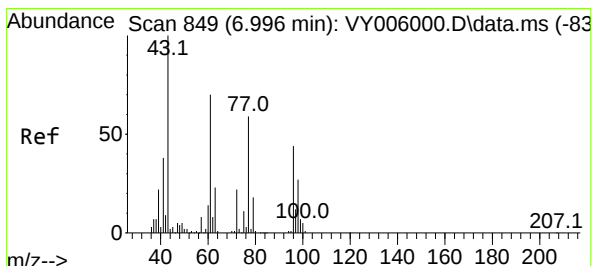
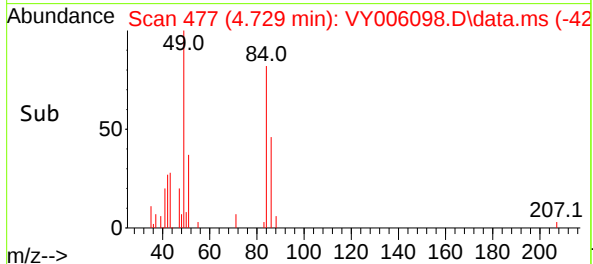
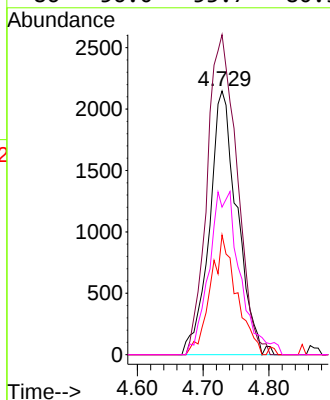


#20
Methylene Chloride
Concen: 2.917 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Instrument :
MSVOA_Y
ClientSampleId :

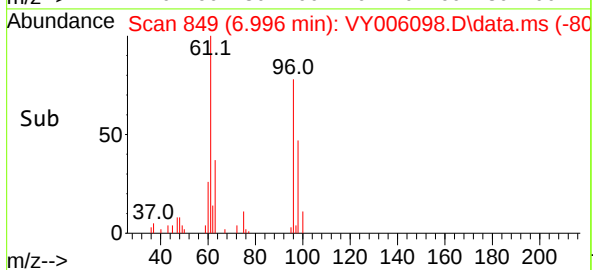
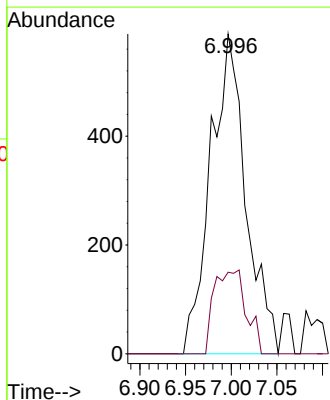
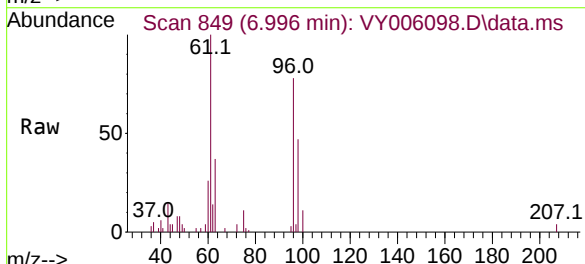


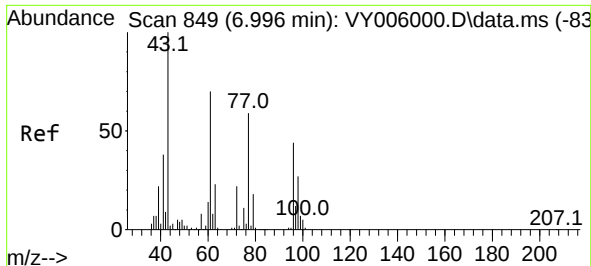
Tgt Ion:	84	Resp:	6304
Ion	Ratio	Lower	Upper
84	100		
49	121.3	114.4	171.6
51	45.4	35.3	52.9
86	56.0	53.7	80.5



#25
2-Butanone
Concen: 4.152 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion:	43	Resp:	1585
Ion	Ratio	Lower	Upper
43	100		
72	25.5	17.7	26.5





#27

cis-1,2-Dichloroethene

Concen: 9.288 ug/l

RT: 6.996 min Scan# 849

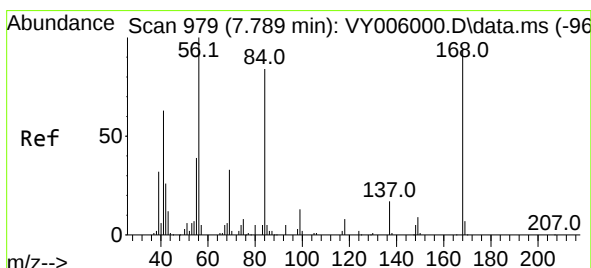
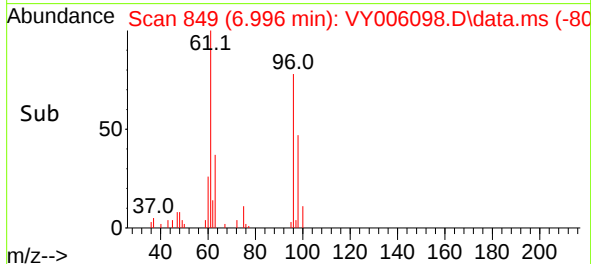
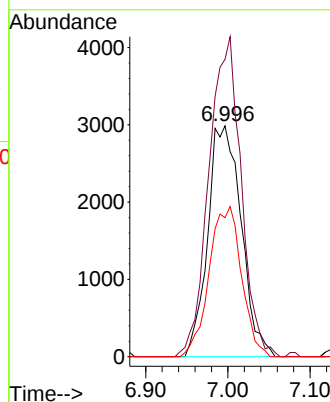
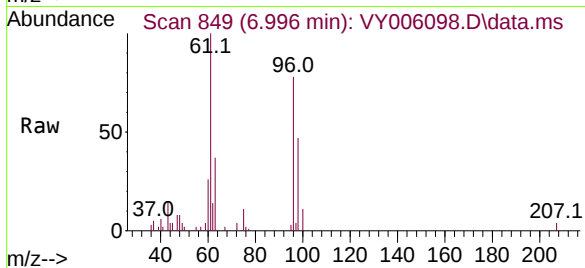
Delta R.T. 0.000 min

Lab File: VY006098.D

Acq: 20 Sep 2021 15:55

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:	96	Resp:	8435
Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	319.8
98	63.0	0.0	127.0



#31

Cyclohexane

Concen: 3.509 ug/l

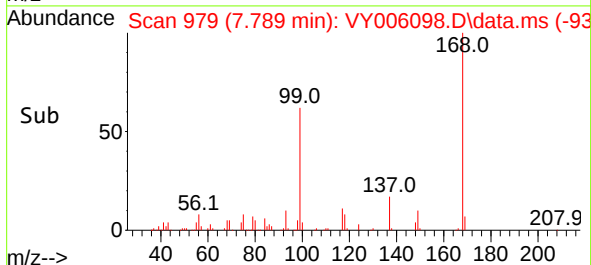
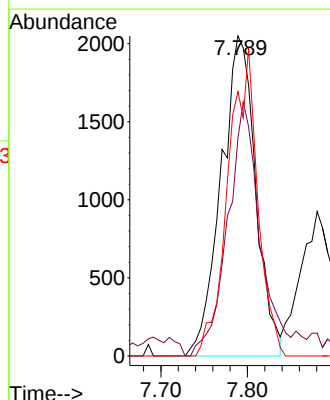
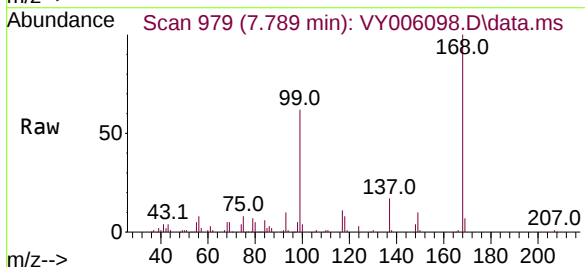
RT: 7.789 min Scan# 979

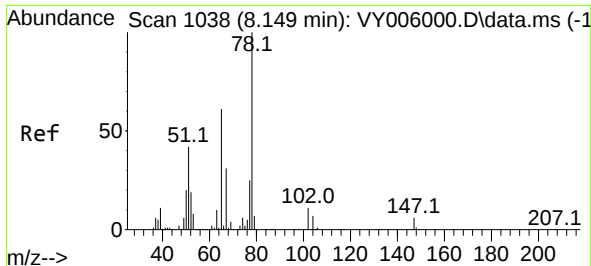
Delta R.T. 0.000 min

Lab File: VY006098.D

Acq: 20 Sep 2021 15:55

Tgt Ion:	56	Resp:	5676
Ion	Ratio	Lower	Upper
56	100		
69	64.4	26.7	40.1#
84	82.6	67.2	100.8

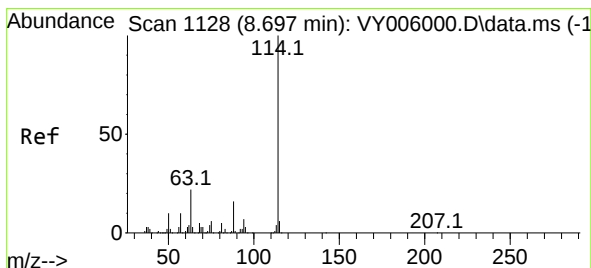
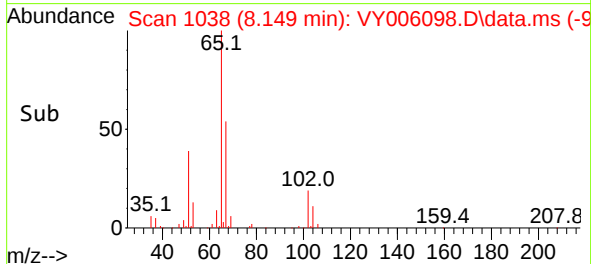
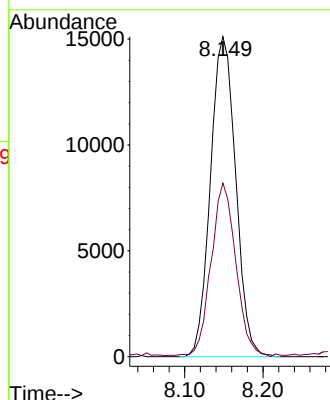
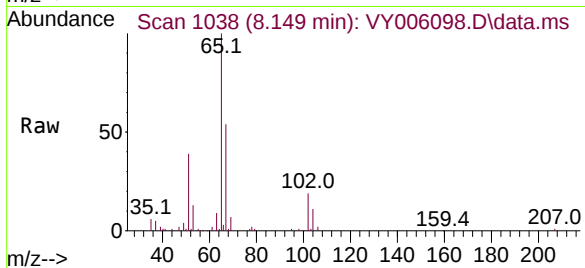




#33
 1,2-Dichloroethane-d4
 Concen: 33.534 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY006098.D
 Acq: 20 Sep 2021 15:55

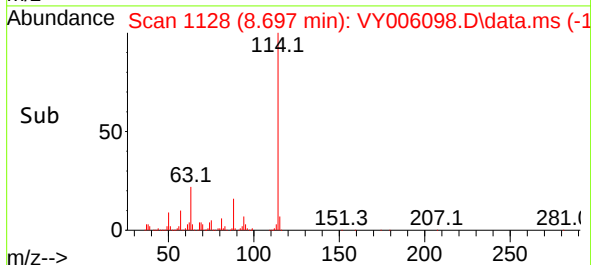
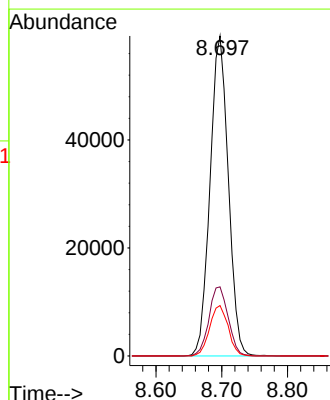
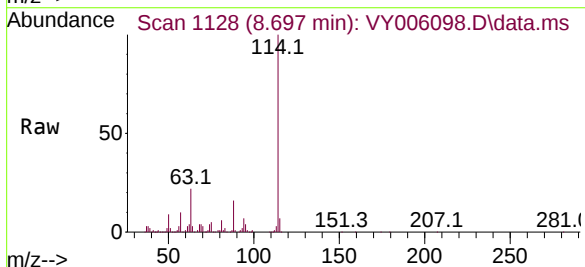
Instrument :
 MSVOA_Y
 ClientSampled :

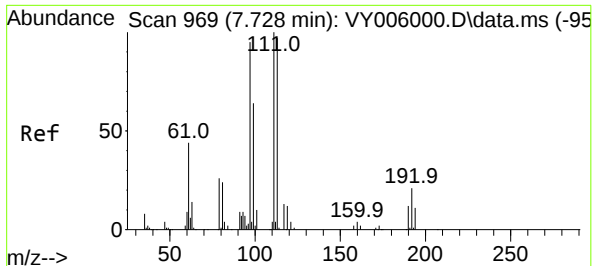
Tgt Ion: 65 Resp: 33866
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY006098.D
 Acq: 20 Sep 2021 15:55

Tgt Ion:114 Resp: 114521
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 15.7 0.0 31.8

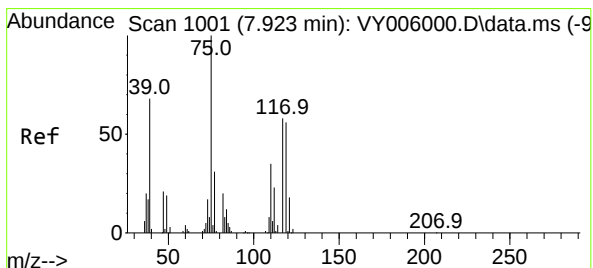
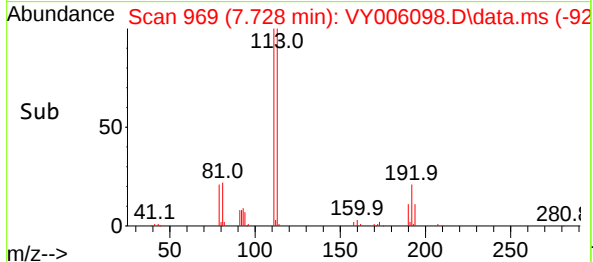
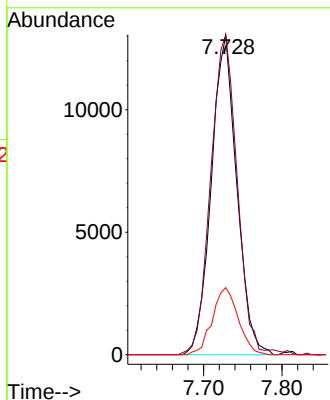
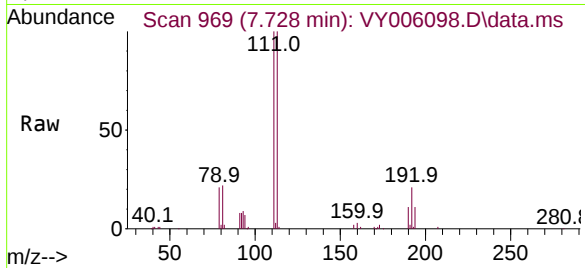




#35
Dibromofluoromethane
Concen: 41.400 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

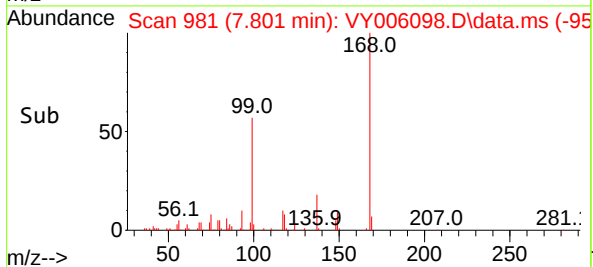
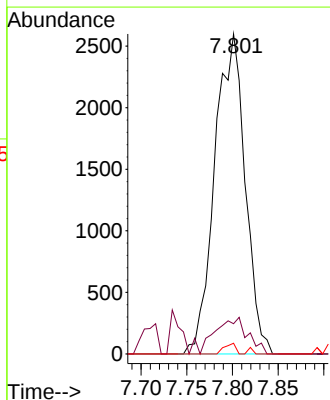
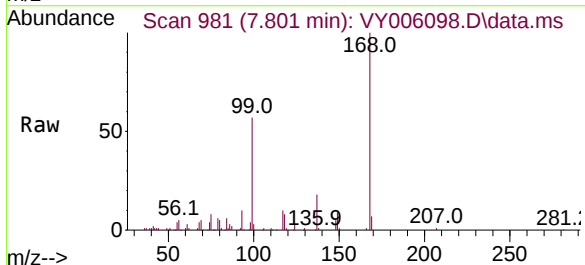
Instrument :
MSVOA_Y
ClientSampled :

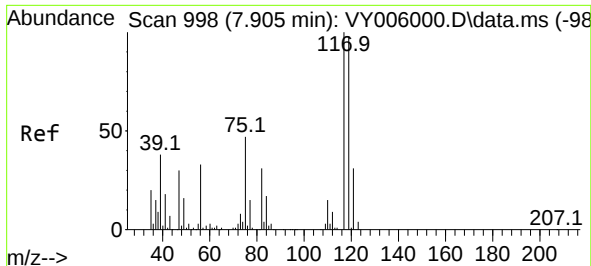
Tgt Ion:113 Resp: 29448
Ion Ratio Lower Upper
113 100
111 104.5 82.6 124.0
192 21.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.865 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

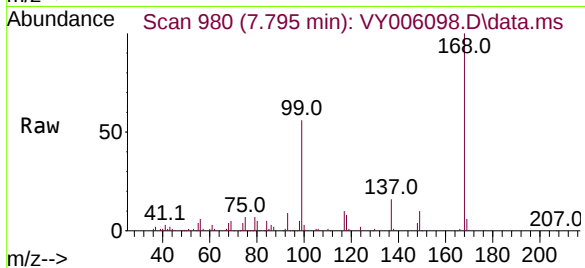
Tgt Ion: 75 Resp: 6013
Ion Ratio Lower Upper
75 100
110 12.0 17.1 51.2#
77 1.2 24.4 36.6#



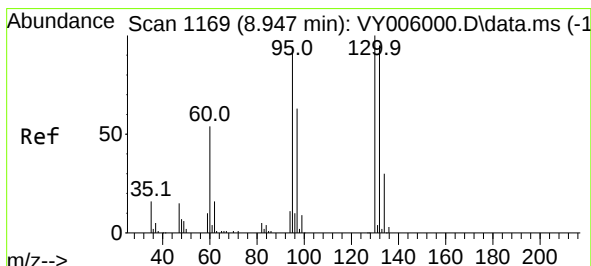
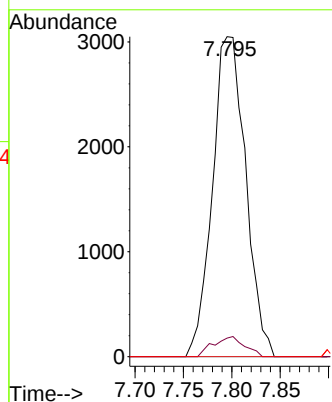
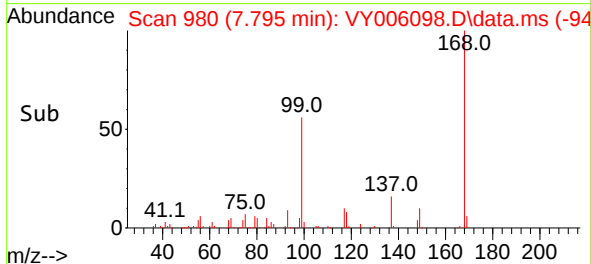


#38
Carbon Tetrachloride
Concen: 5.406 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Instrument :
MSVOA_Y
ClientSampleId :

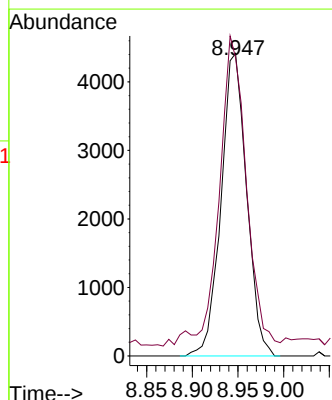
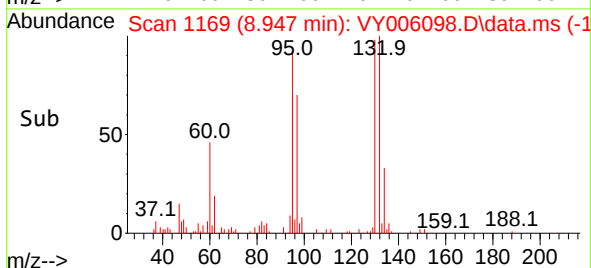
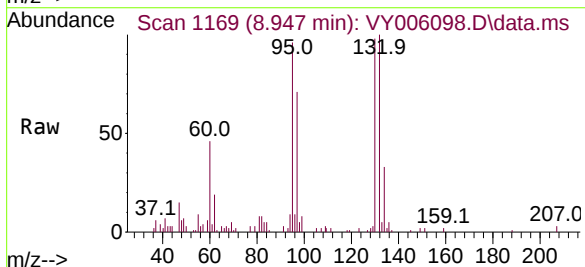


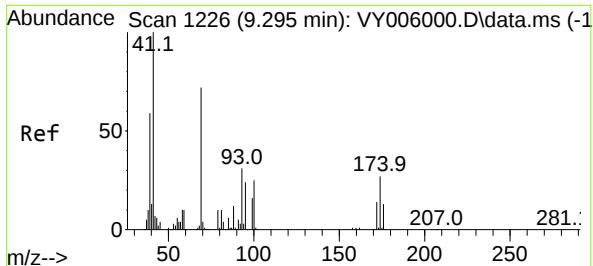
Tgt Ion:117 Resp: 7274
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 9.716 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion:130 Resp: 8582
Ion Ratio Lower Upper
130 100
95 94.2 0.0 188.2





#48

Methyl methacrylate

Concen: 1.361 ug/l

RT: 9.246 min Scan# 1218

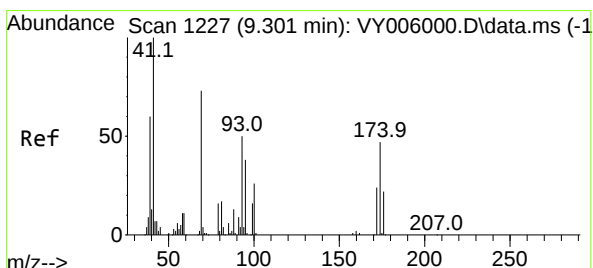
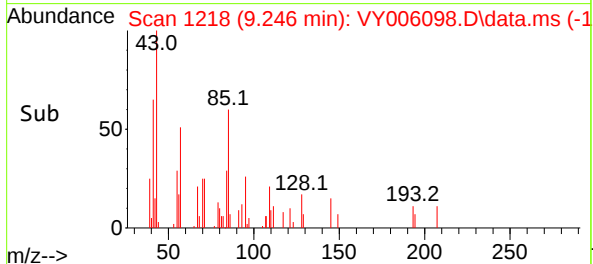
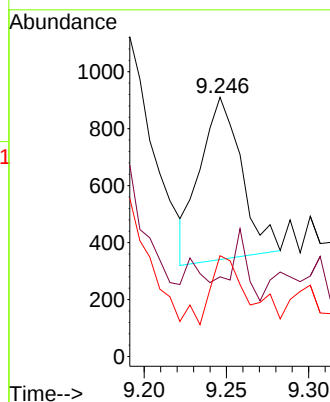
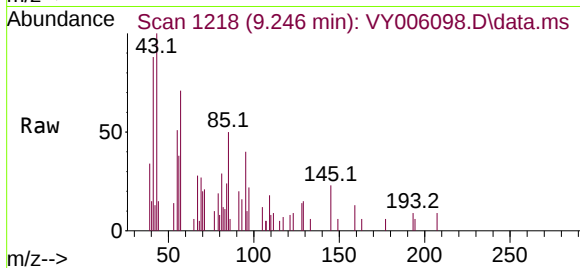
Delta R.T. -0.049 min

Lab File: VY006098.D

Acq: 20 Sep 2021 15:55

Tgt Ion:	41	Resp:	1000
Ion	Ratio	Lower	Upper
41	100		
69	17.4	58.2	87.2#
39	36.8	47.4	71.0#

Instrument :
MSVOA_Y
ClientSampleId :



#49

1,4-Dioxane

Concen: 3.817 ug/l

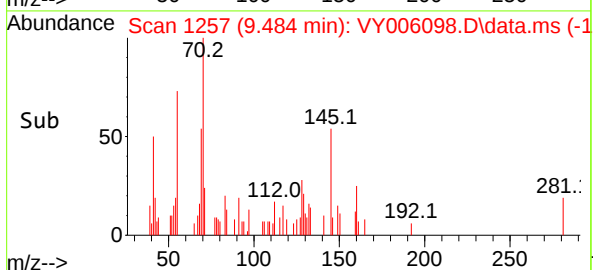
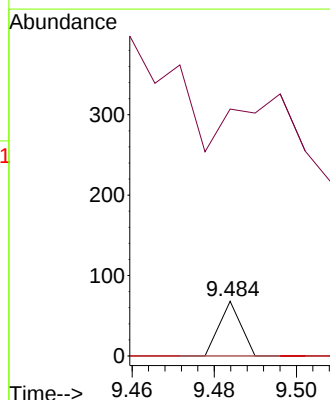
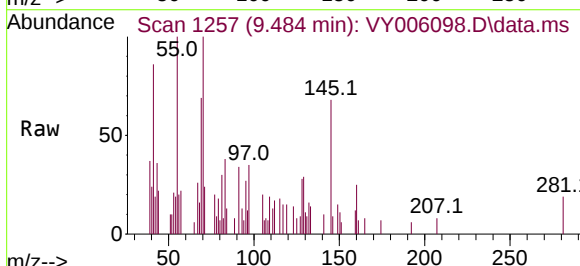
RT: 9.484 min Scan# 1257

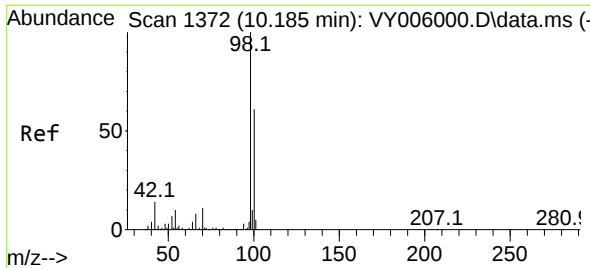
Delta R.T. 0.183 min

Lab File: VY006098.D

Acq: 20 Sep 2021 15:55

Tgt Ion:	88	Resp:	25
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.8	49.2#
58	0.0	59.8	89.6#

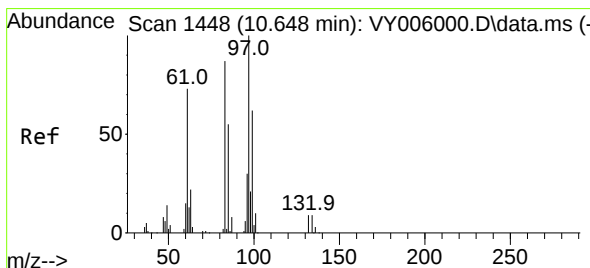
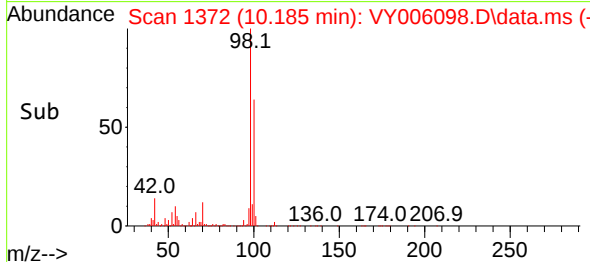
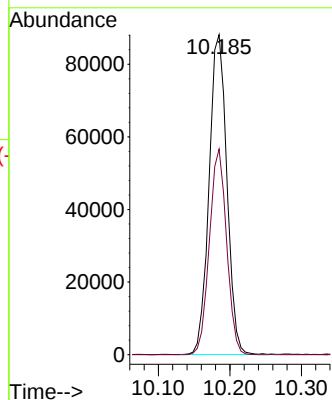
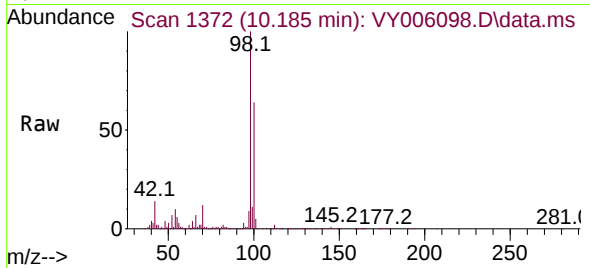




#50
Toluene-d8
Concen: 50.110 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

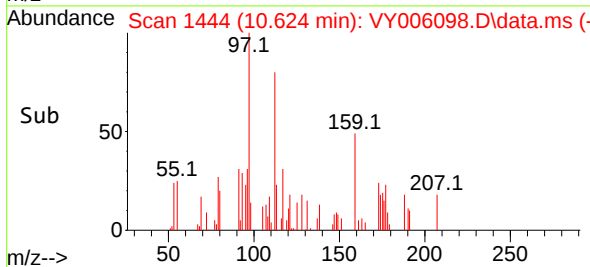
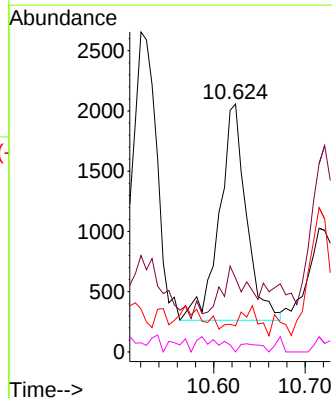
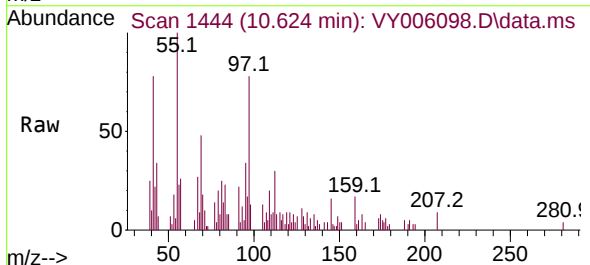
Instrument :
MSVOA_Y
ClientSampled :

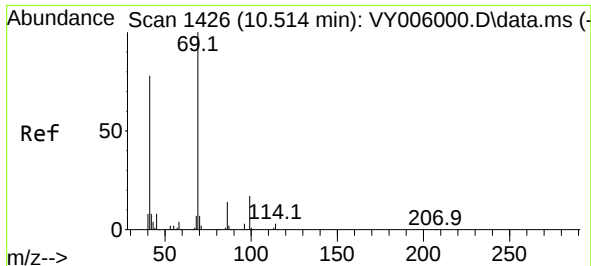
Tgt Ion: 98 Resp: 151914
Ion Ratio Lower Upper
98 100
100 62.3 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 5.626 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion: 97 Resp: 3669
Ion Ratio Lower Upper
97 100
83 14.8 69.8 104.8#
85 0.0 44.3 66.5#
99 0.0 49.8 74.6#

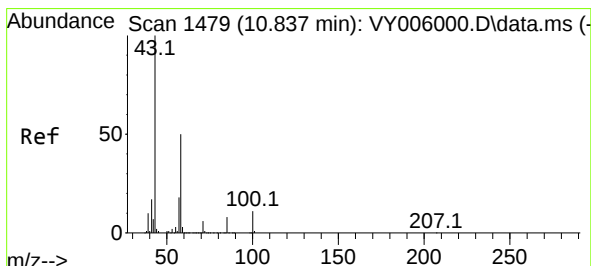
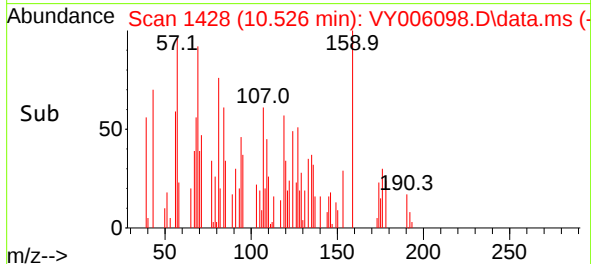
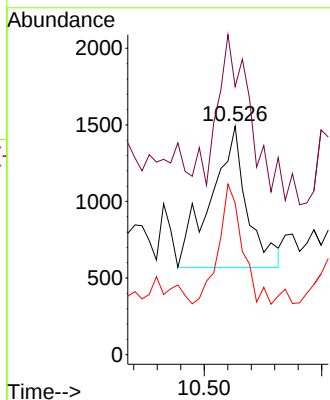
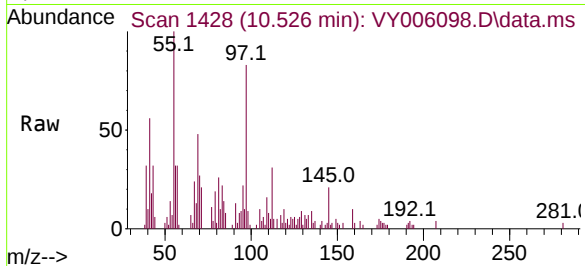




#56
Ethyl methacrylate
Concen: 1.886 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.012 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

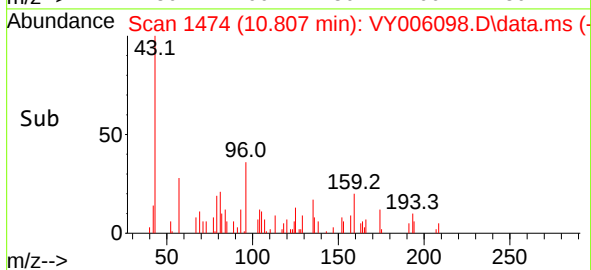
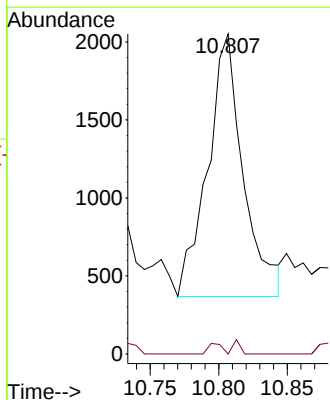
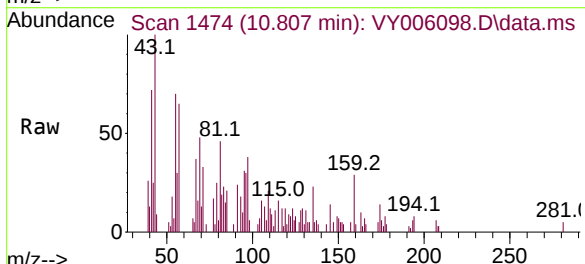
Instrument :
MSVOA_Y
ClientSampled :

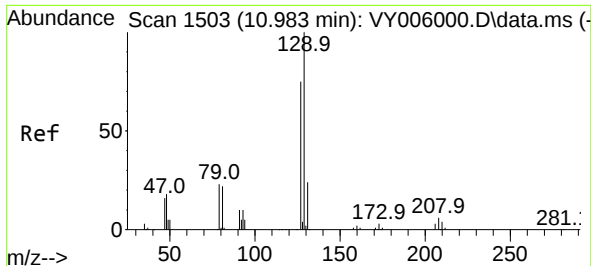
Tgt Ion: 69 Resp: 1966
Ion Ratio Lower Upper
69 100
41 122.0 63.4 95.0#
39 58.6 35.8 53.8#



#59
2-Hexanone
Concen: 5.174 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion: 43 Resp: 3029
Ion Ratio Lower Upper
43 100
58 1.5 24.4 73.4#

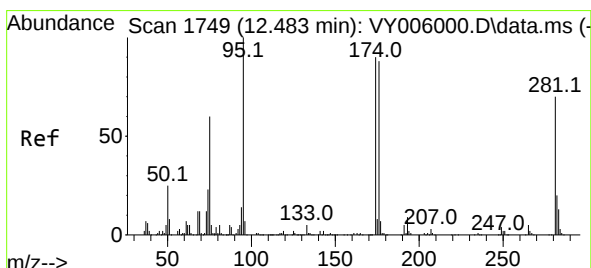
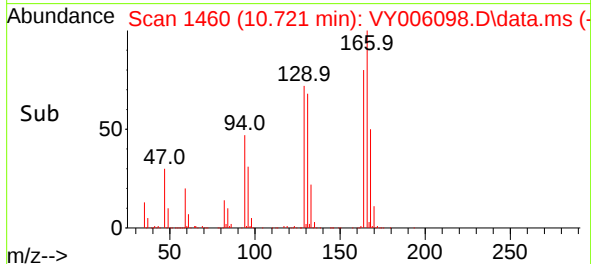
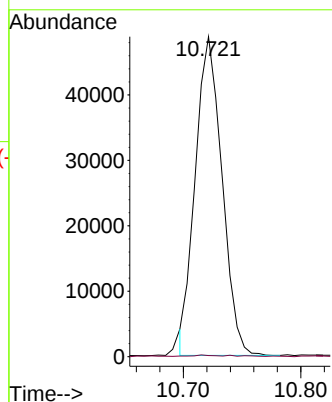
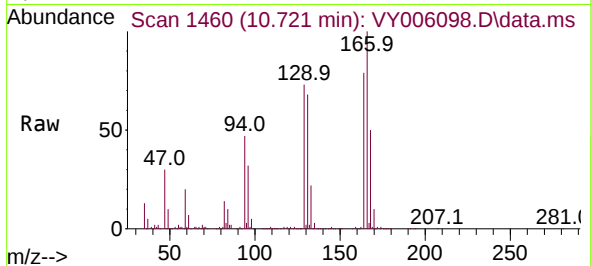




#60
Dibromochloromethane
Concen: 95.683 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

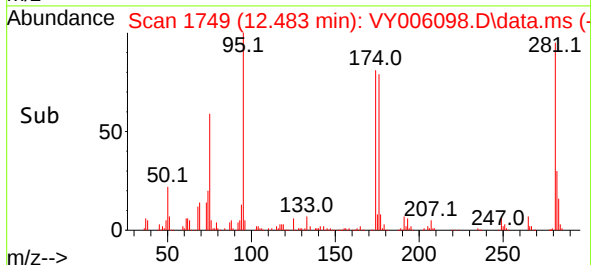
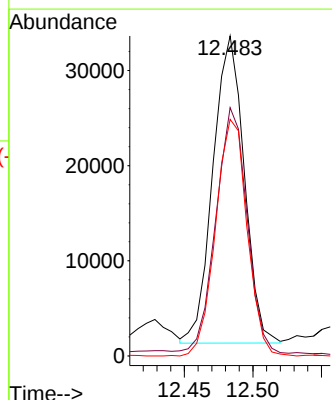
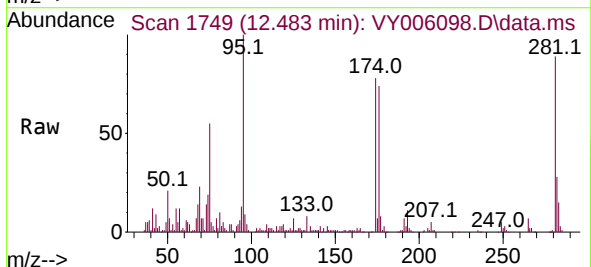
Instrument :
MSVOA_Y
ClientSampled :

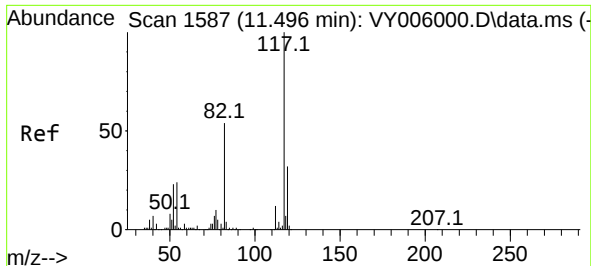
Tgt Ion:129 Resp: 76938
Ion Ratio Lower Upper
129 100
127 0.2 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 49.714 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion: 95 Resp: 51170
Ion Ratio Lower Upper
95 100
174 81.0 0.0 177.0
176 77.8 0.0 175.8

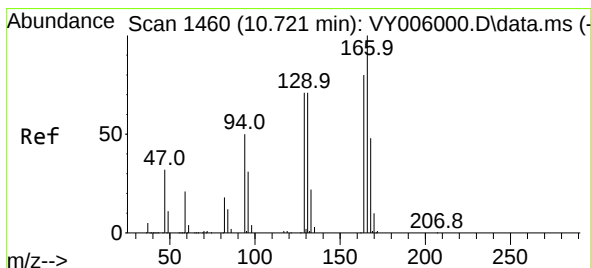
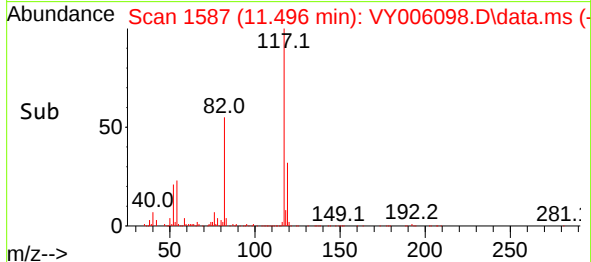
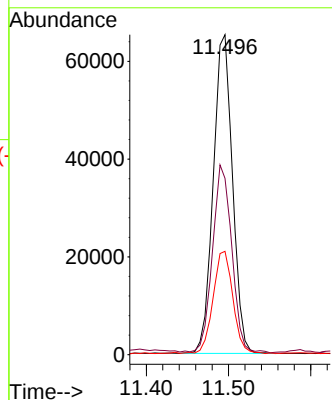
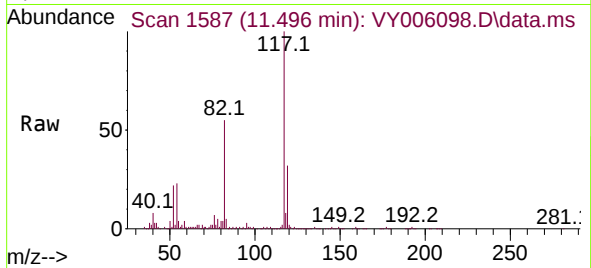




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

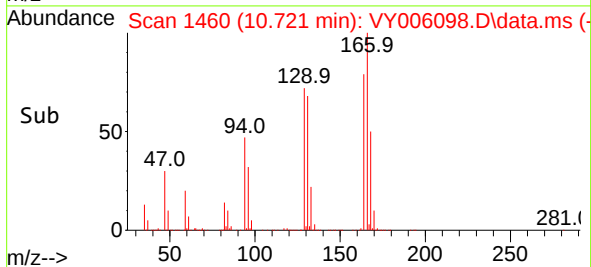
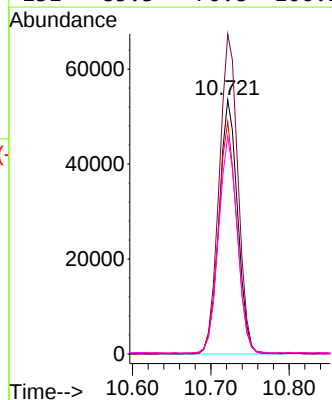
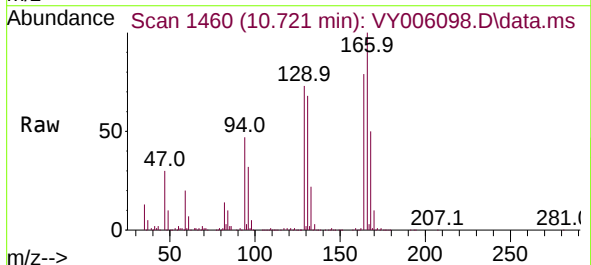
Instrument :
MSVOA_Y
ClientSampleId :

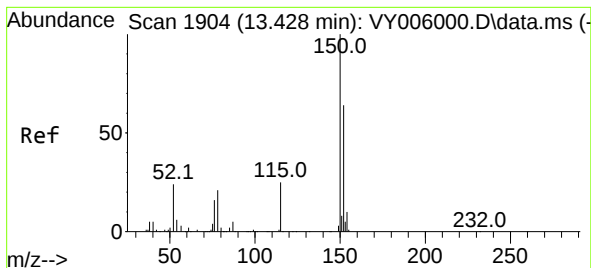
Tgt Ion:	117	Resp:	105987
Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.0	64.4
119	32.0	25.4	38.0



#64
Tetrachloroethene
Concen: 102.116 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion:	164	Resp:	88522
Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.4	150.6
129	91.0	71.4	107.0
131	85.3	70.8	106.2

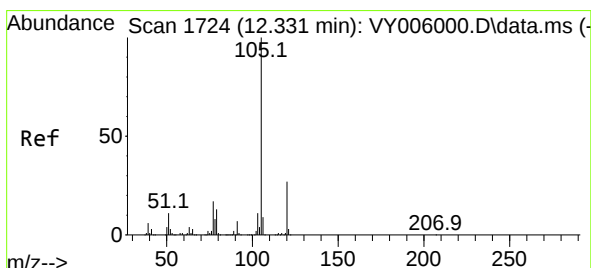
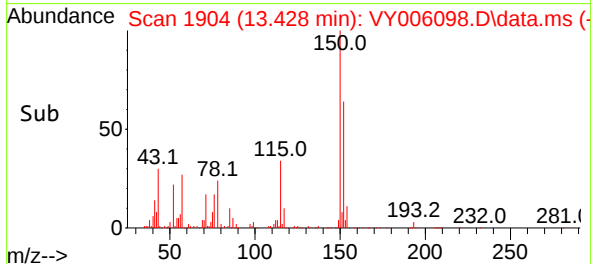
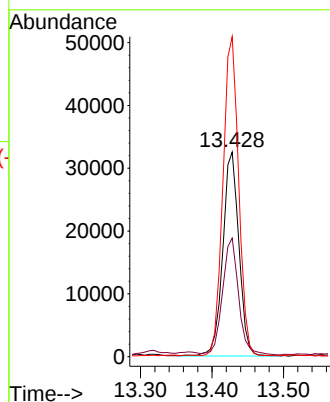
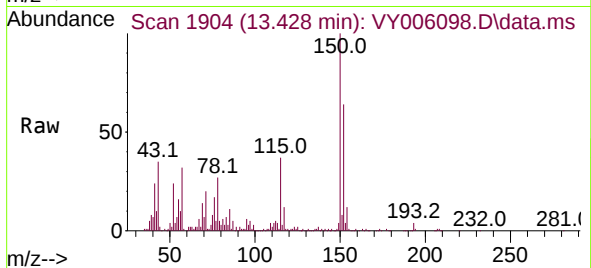




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

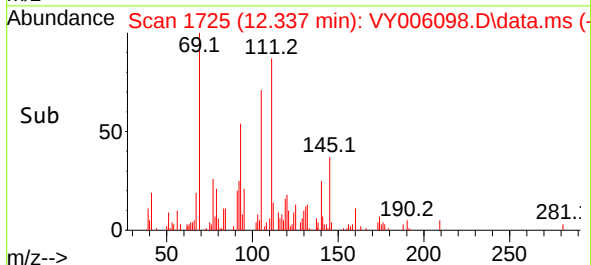
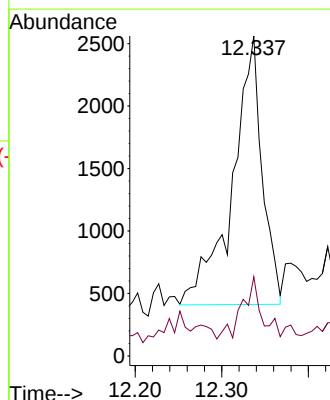
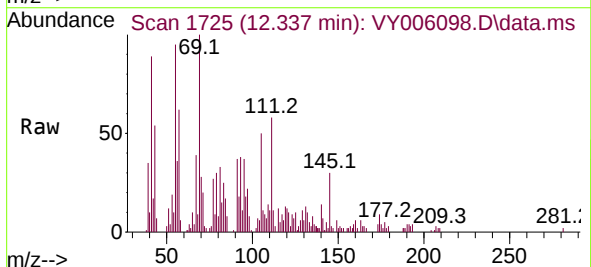
Instrument :
MSVOA_Y
ClientSampleId :

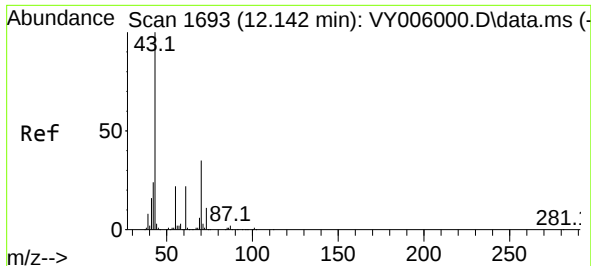
Tgt Ion:152 Resp: 50731
Ion Ratio Lower Upper
152 100
115 57.1 28.2 84.7
150 152.0 0.0 347.6



#73
Isopropylbenzene
Concen: 1.298 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion:105 Resp: 5155
Ion Ratio Lower Upper
105 100
120 15.9 13.4 40.2

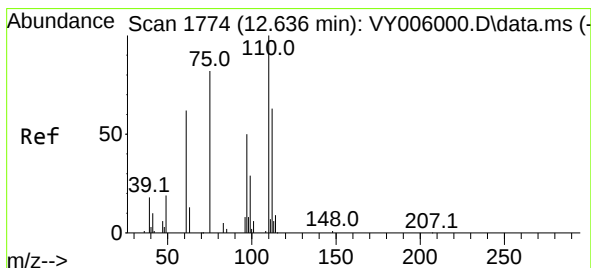
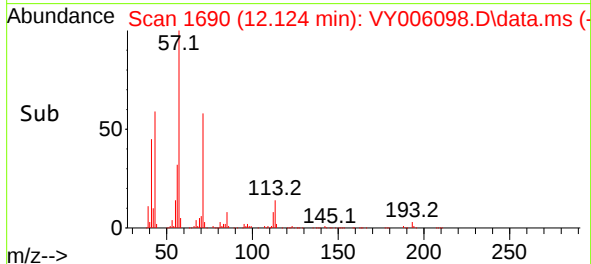
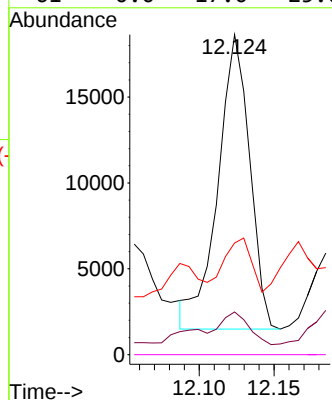
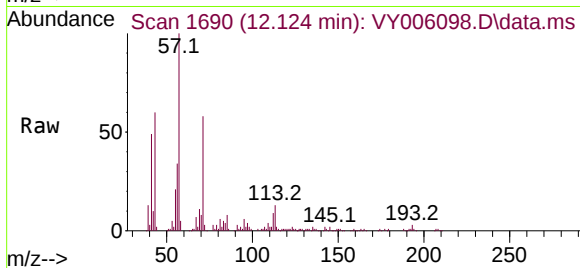




#74
N-amy1 acetate
Concen: 18.492 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

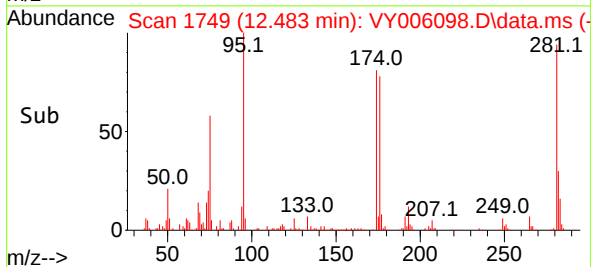
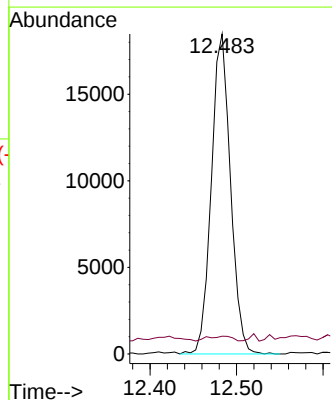
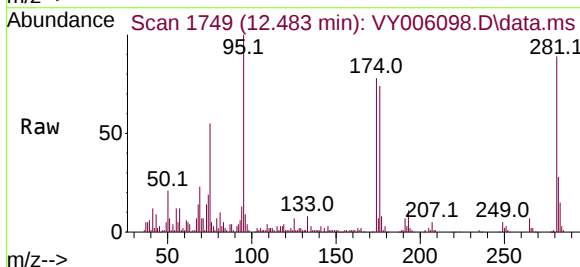
Instrument :
MSVOA_Y
ClientSampleId :

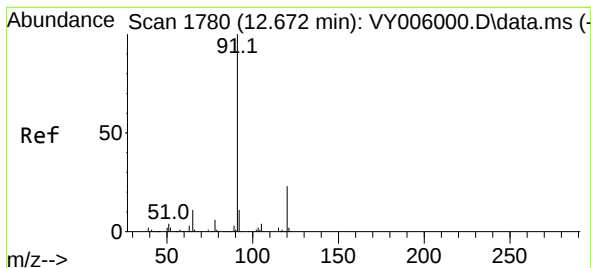
Tgt Ion:	43	Resp:	25368
Ion	Ratio	Lower	Upper
43	100		
70	14.7	28.7	43.1#
55	15.7	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 52.482 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion:	75	Resp:	28387
Ion	Ratio	Lower	Upper
75	100		
77	1.9	0.0	0.0#

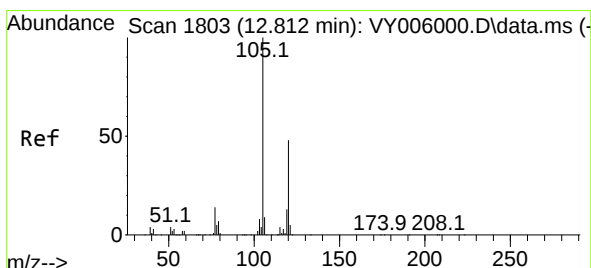
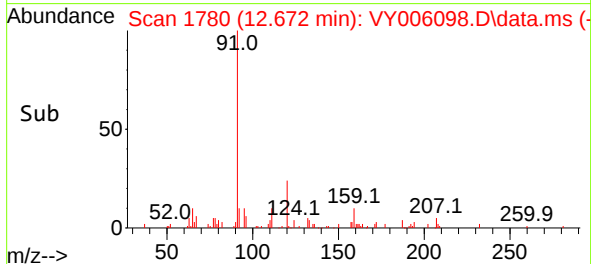
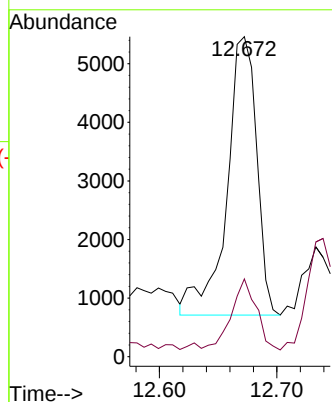
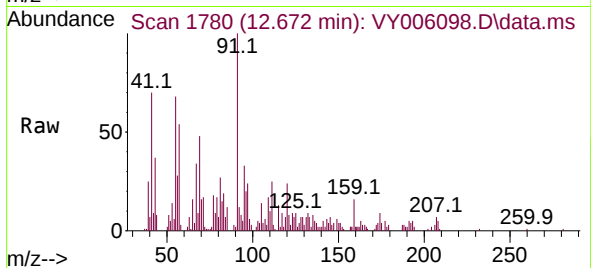




#78
n-propylbenzene
Concen: 1.715 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

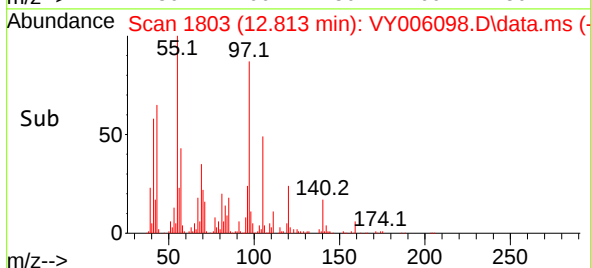
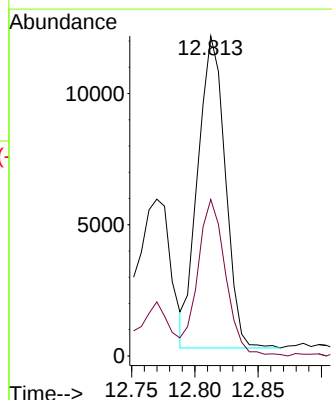
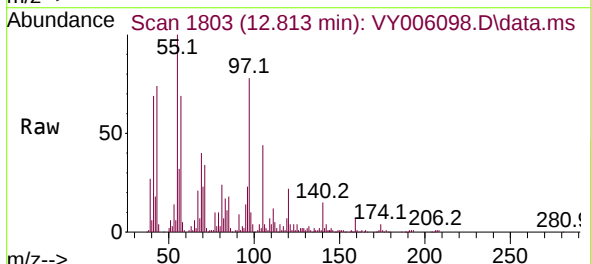
Instrument :
MSVOA_Y
ClientSampled :

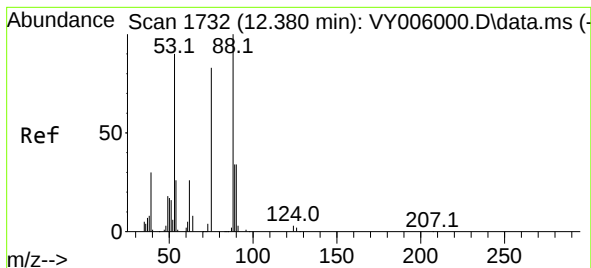
Tgt Ion: 91 Resp: 8428
Ion Ratio Lower Upper
91 100
120 21.6 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 5.438 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

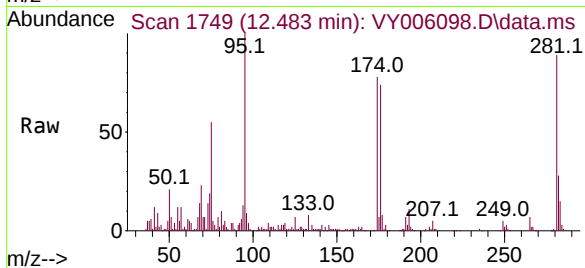
Tgt Ion: 105 Resp: 17918
Ion Ratio Lower Upper
105 100
120 50.9 24.4 73.4



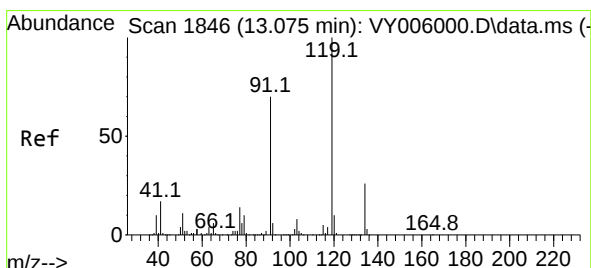
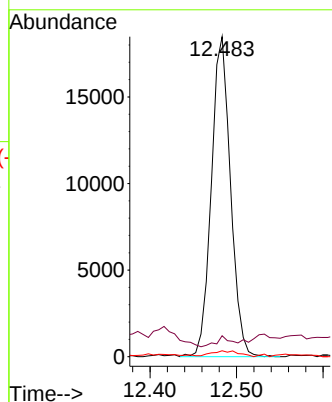
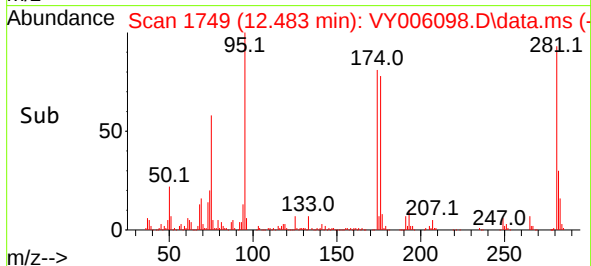


#81
trans-1,4-Dichloro-2-butene
Concen: 96.489 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

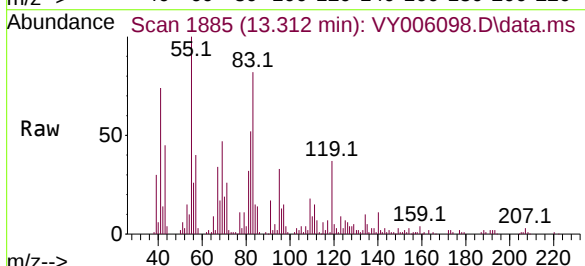
Instrument :
MSVOA_Y
ClientSampleId :



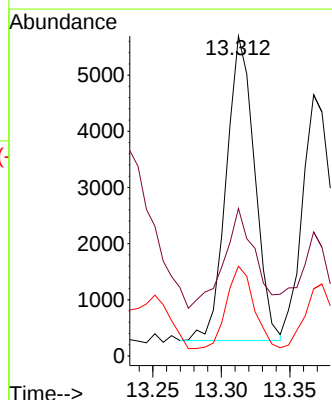
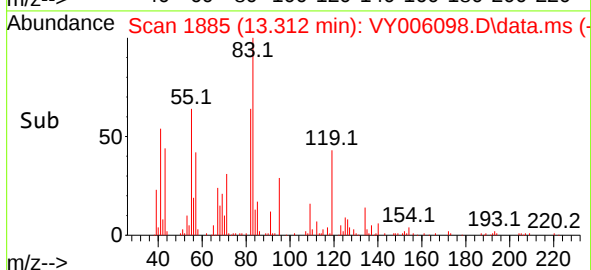
Tgt Ion: 75 Resp: 28387
Ion Ratio Lower Upper
75 100
53 2.6 85.3 127.9#
89 2.6 37.0 55.4#

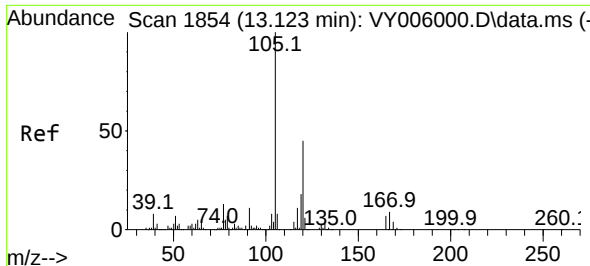


#83
tert-Butylbenzene
Concen: 2.777 ug/l
RT: 13.312 min Scan# 1885
Delta R.T. 0.238 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55



Tgt Ion: 119 Resp: 7826
Ion Ratio Lower Upper
119 100
91 36.0 34.8 104.4
134 26.1 13.3 39.9

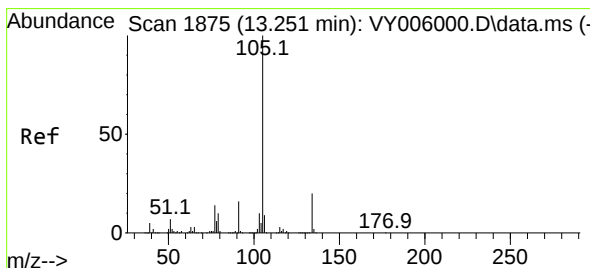
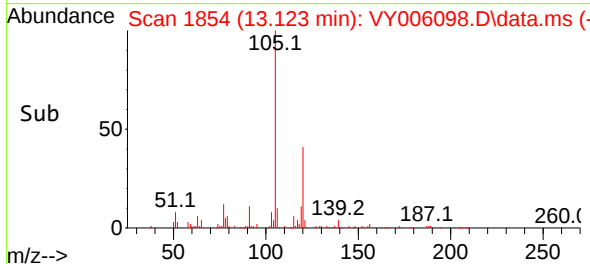
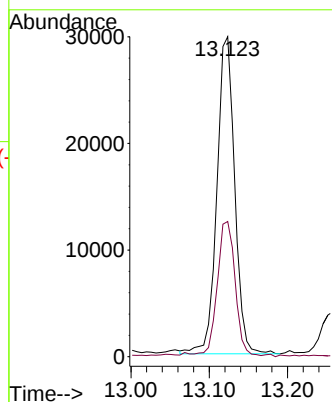
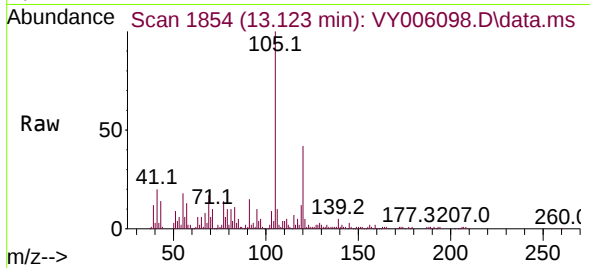




#84
1,2,4-Trimethylbenzene
Concen: 14.404 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

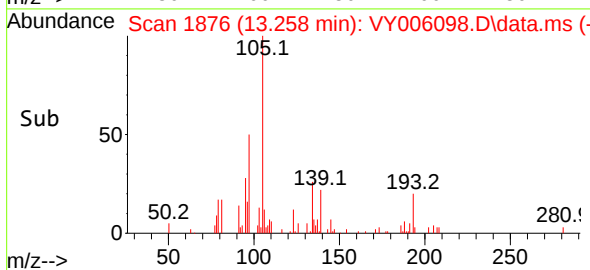
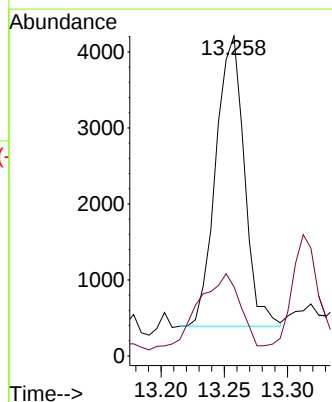
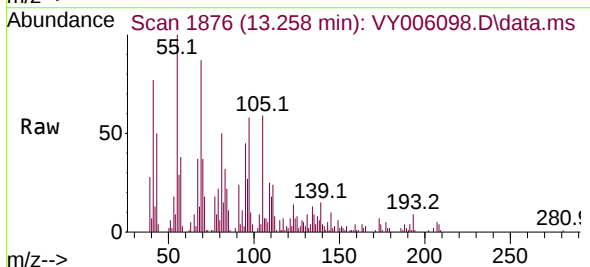
Instrument :
MSVOA_Y
ClientSampled :

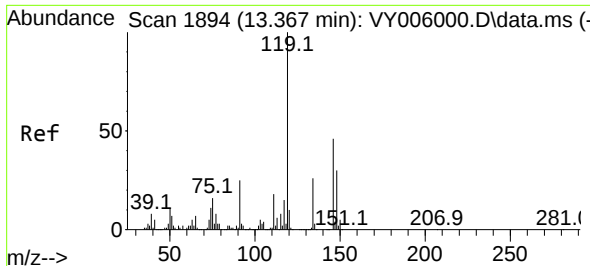
Tgt Ion:105 Resp: 47082
Ion Ratio Lower Upper
105 100
120 42.0 22.3 66.9



#85
sec-Butylbenzene
Concen: 1.414 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion:105 Resp: 5963
Ion Ratio Lower Upper
105 100
134 39.3 10.2 30.4#

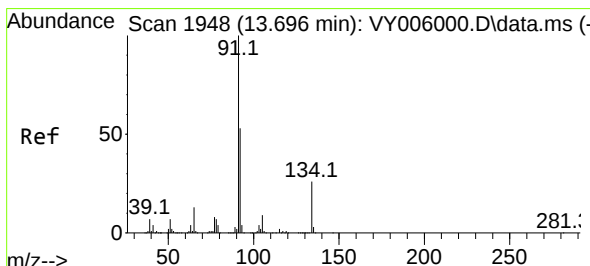
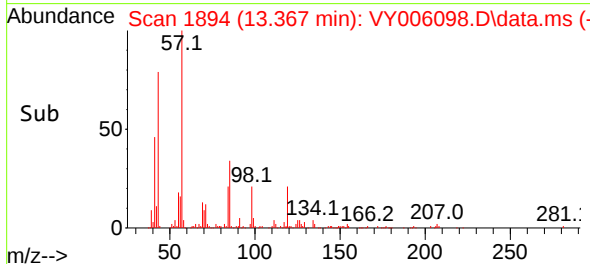
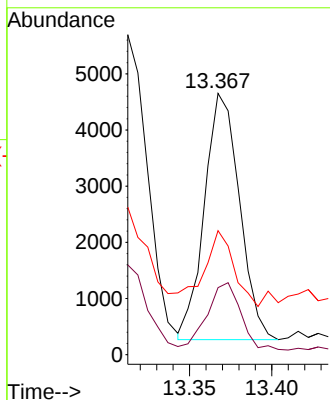
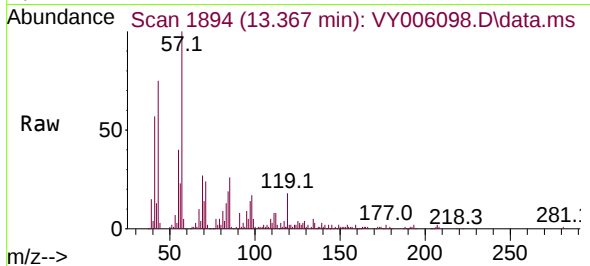




#86
p-Isopropyltoluene
Concen: 1.804 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

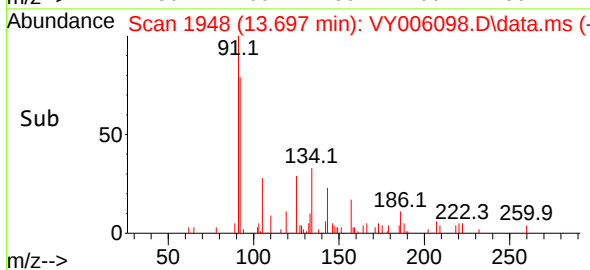
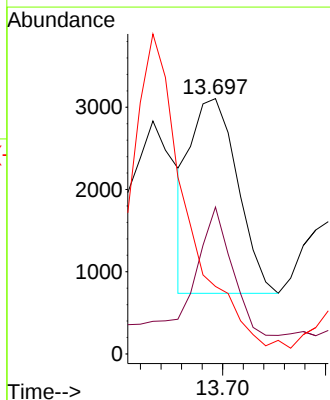
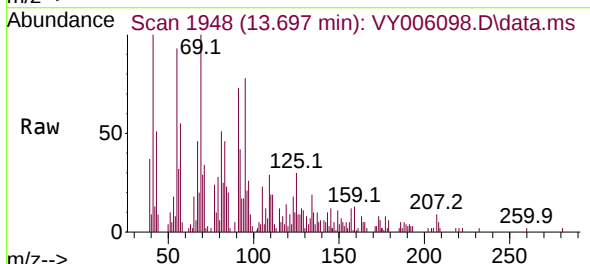
Instrument :
MSVOA_Y
ClientSampled :

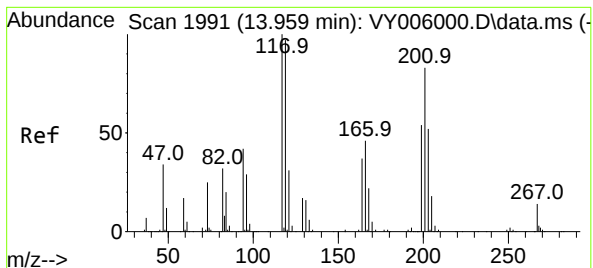
Tgt Ion:119 Resp: 6498
Ion Ratio Lower Upper
119 100
134 26.2 13.2 39.5
91 25.8 12.4 37.2



#89
n-Butylbenzene
Concen: 1.114 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY006098.D
Acq: 20 Sep 2021 15:55

Tgt Ion: 91 Resp: 3750
Ion Ratio Lower Upper
91 100
92 58.0 26.3 78.9
134 0.0 13.0 38.9#





#90
 Hexachloroethane
 Concen: 1.835 ug/l
 RT: 13.971 min Scan# 1993
 Delta R.T. 0.012 min
 Lab File: VY006098.D
 Acq: 20 Sep 2021 15:55

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:117 Resp: 1189
 Ion Ratio Lower Upper
 117 100
 201 1.6 43.0 128.8#

