

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092021\
 Data File : VY006092.D
 Acq On : 20 Sep 2021 13:36
 Operator : SY/MD
 Sample : M3770-04
 Misc : 6.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 02:10:43 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)

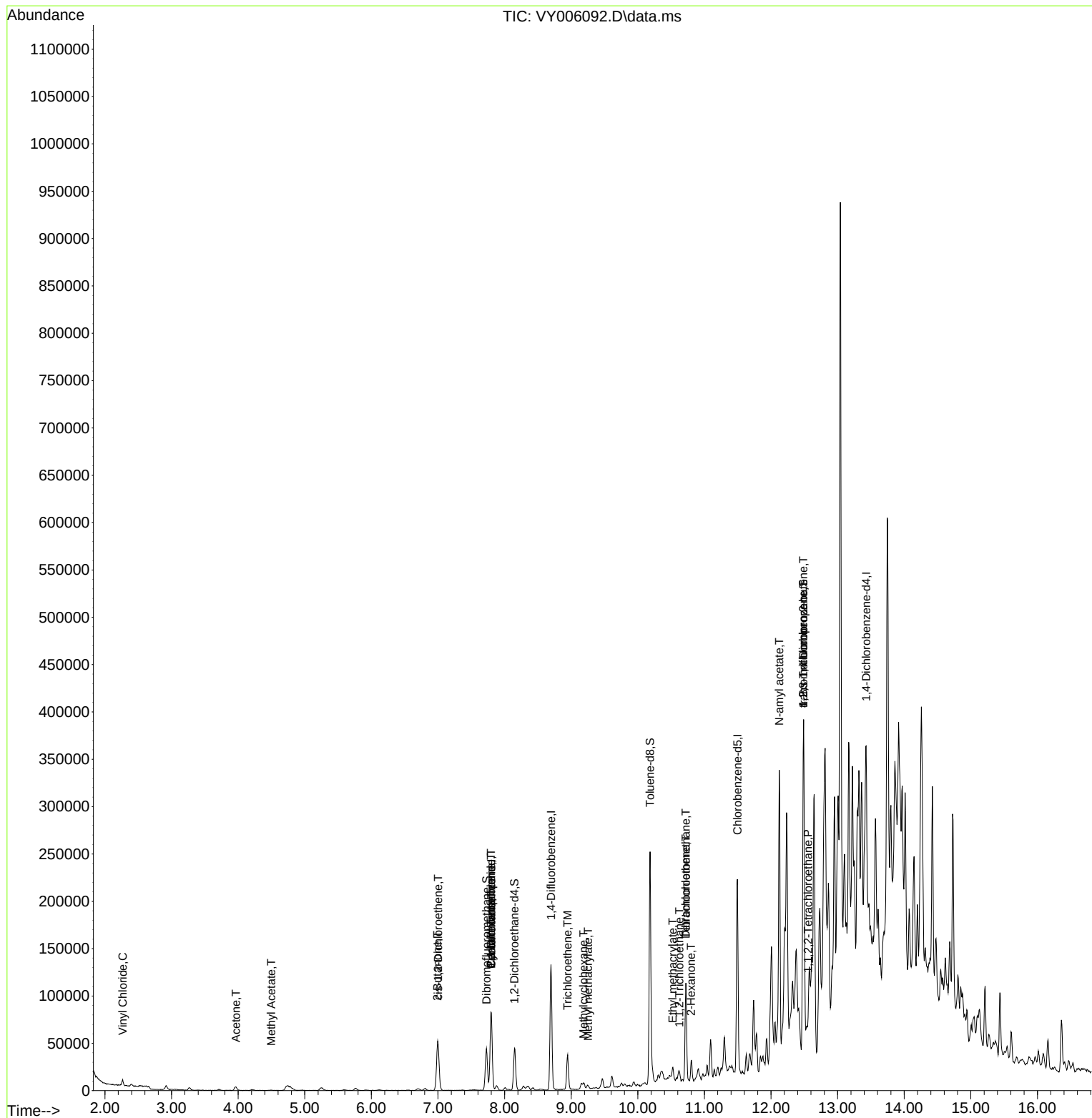
Internal Standards						
1) Pentafluorobenzene	7.801	168	64576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	105584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	108541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	36427	40.610	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.220%
35) Dibromofluoromethane	7.728	113	30081	45.869	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.740%
50) Toluene-d8	10.185	98	141596	50.660	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.320%
62) 4-Bromofluorobenzene	12.483	95	52811	55.651	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.300%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.266	62	4483	4.681	ug/l	96
11) Tert butyl alcohol	4.972	59	596	Below Cal	#	77
16) Acetone	3.966	43	7081	28.781	ug/l	99
18) Methyl Acetate	4.497	43	726	1.171	ug/l #	73
20) Methylene Chloride	4.741	84	2935	Below Cal	#	81
25) 2-Butanone	6.990	43	716	2.111	ug/l #	63
27) cis-1,2-Dichloroethene	7.002	96	30542	37.864	ug/l	85
31) Cyclohexane	7.801	56	2227	1.550	ug/l #	52
36) 1,1-Dichloropropene	7.795	75	5125	4.497	ug/l #	52
38) Carbon Tetrachloride	7.795	117	5988	4.827	ug/l #	16
39) Methylcyclohexane	9.185	83	2618	1.854	ug/l	92
44) Trichloroethene	8.947	130	11673	14.334	ug/l	86
48) Methyl methacrylate	9.252	41	1051	1.551	ug/l #	48
55) 1,1,2-Trichloroethane	10.624	97	4104	6.825	ug/l #	17
56) Ethyl methacrylate	10.526	69	1375	1.430	ug/l #	1
59) 2-Hexanone	10.801	43	9182	17.013	ug/l #	33
60) Dibromochloromethane	10.721	129	19297	26.030	ug/l #	11
64) Tetrachloroethene	10.721	164	21574	24.302	ug/l	98
74) N-amyl acetate	12.124	43	67671	45.292	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.556	83	4381	5.442	ug/l #	25
76) 1,2,3-Trichloropropane	12.483	75	30023	50.964	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	30023	93.698	ug/l #	11

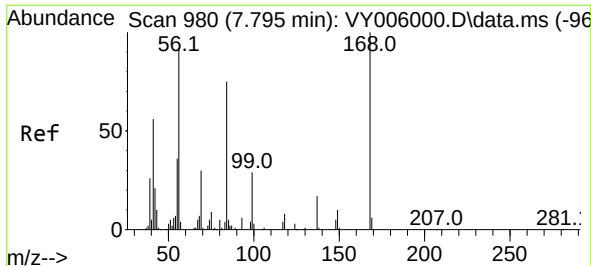
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

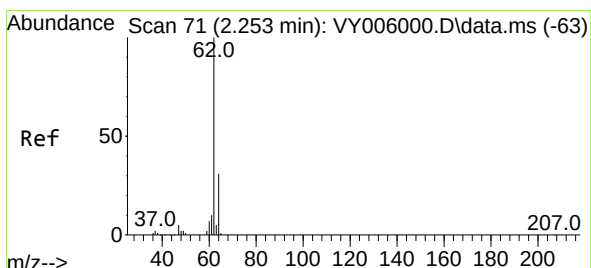
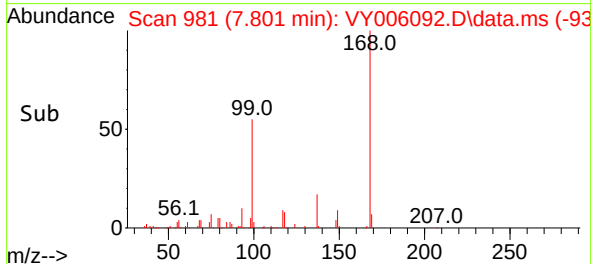
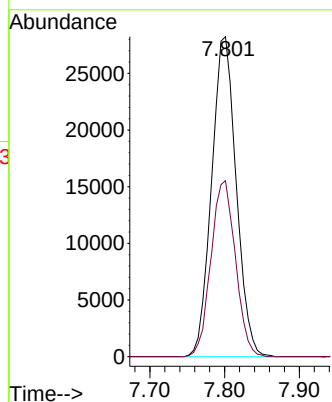
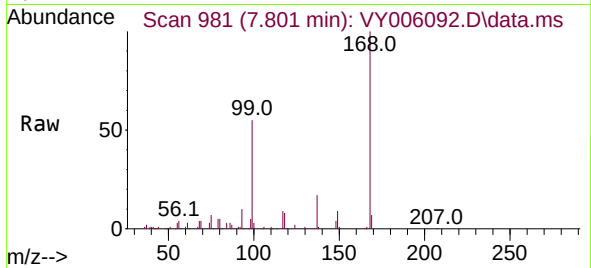




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

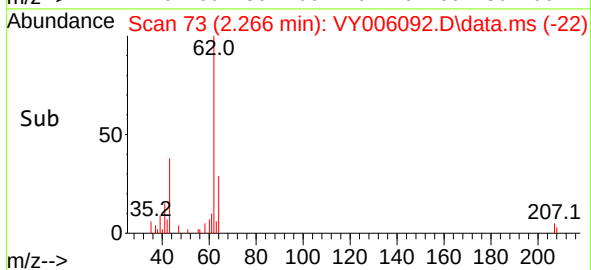
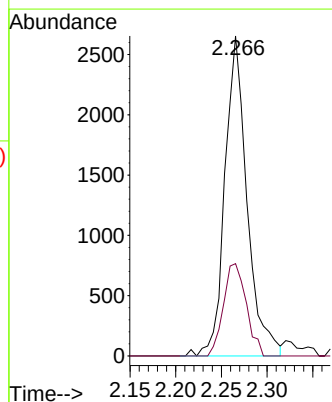
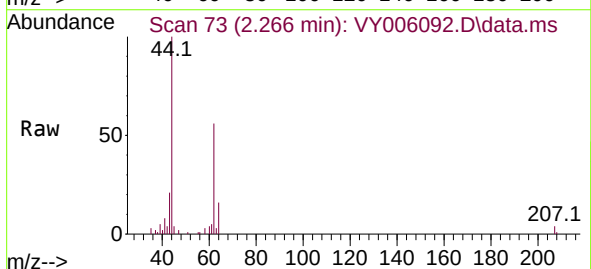
Instrument :
MSVOA_Y
ClientSampled :

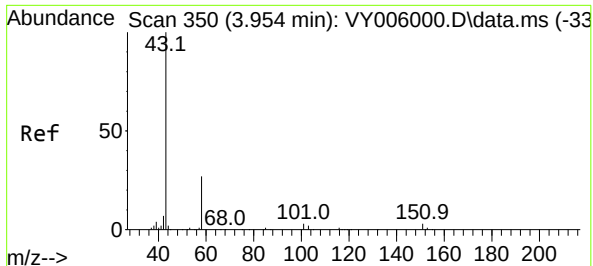
Tgt Ion:168 Resp: 64576
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#4
Vinyl Chloride
Concen: 4.681 ug/l
RT: 2.266 min Scan# 73
Delta R.T. 0.012 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

Tgt Ion: 62 Resp: 4483
Ion Ratio Lower Upper
62 100
64 28.8 25.0 37.6

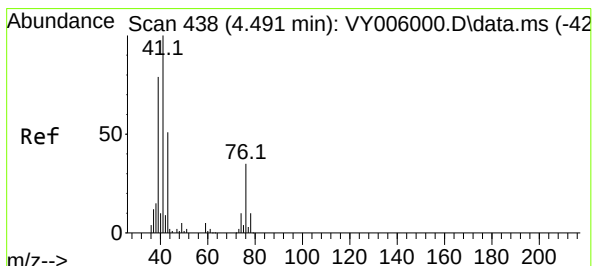
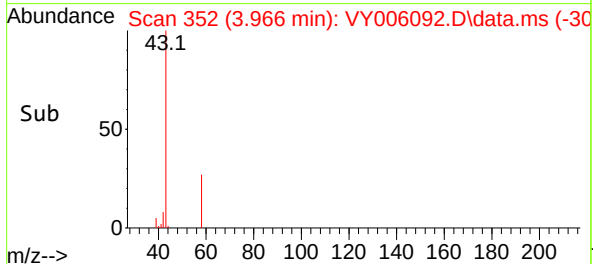
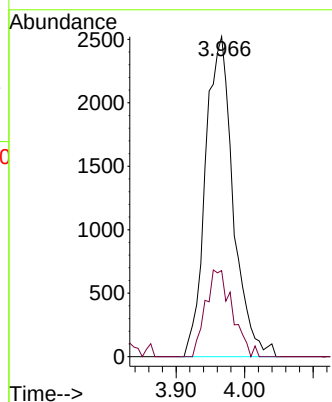
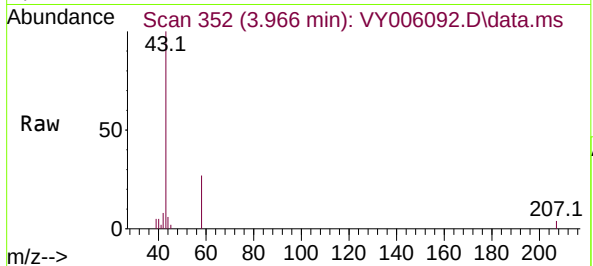




#16
Acetone
Concen: 28.781 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

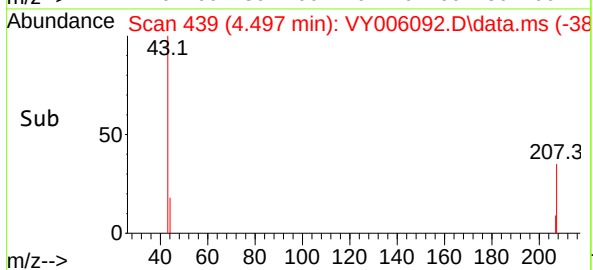
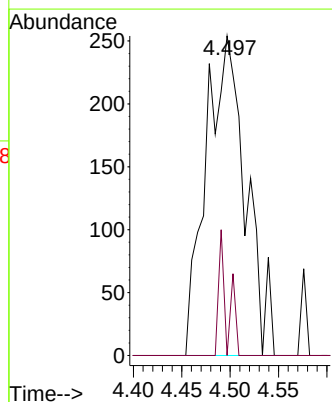
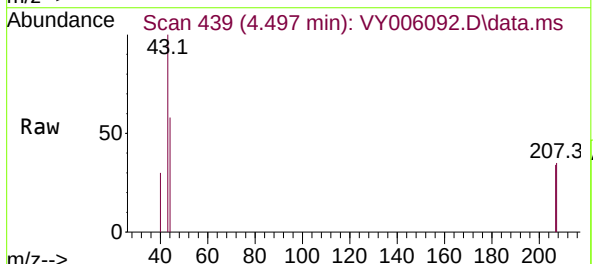
Instrument :
MSVOA_Y
ClientSampled :

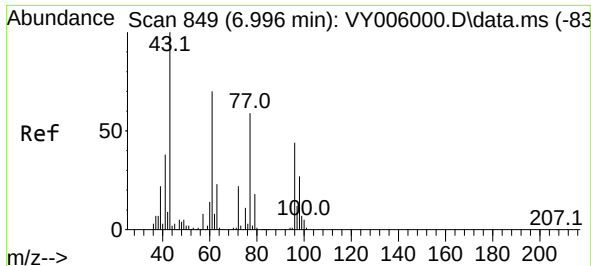
Tgt Ion: 43 Resp: 7081
Ion Ratio Lower Upper
43 100
58 26.9 22.0 33.0



#18
Methyl Acetate
Concen: 1.171 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

Tgt Ion: 43 Resp: 726
Ion Ratio Lower Upper
43 100
74 8.3 16.6 24.8#

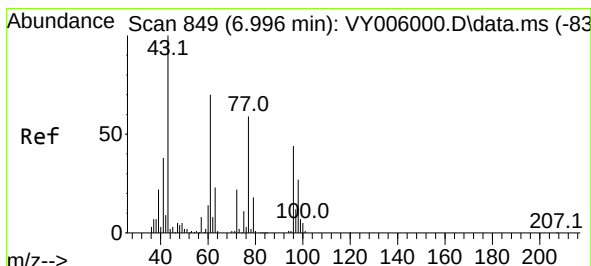
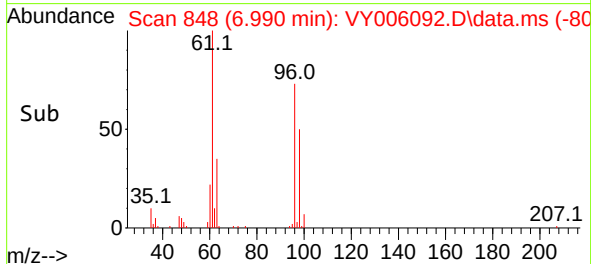
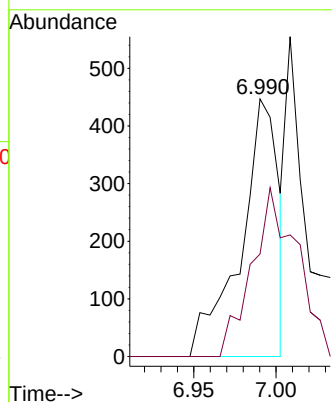
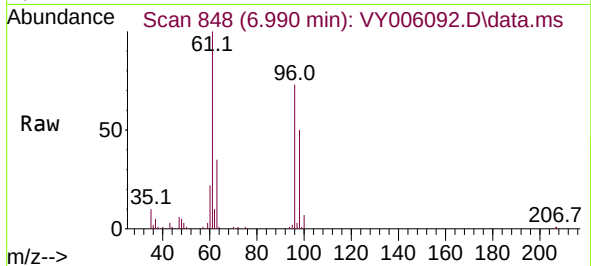




#25
2-Butanone
Concen: 2.111 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

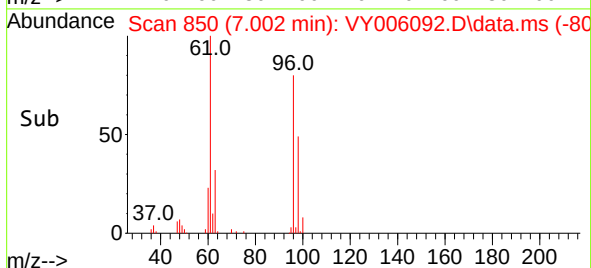
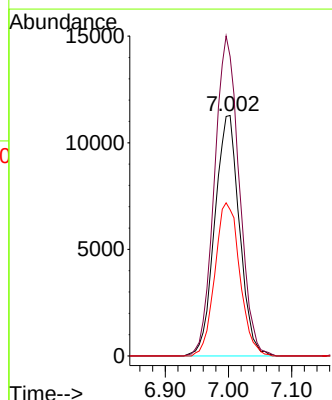
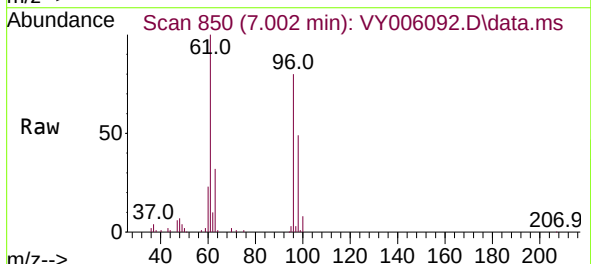
Instrument :
MSVOA_Y
ClientSampled :

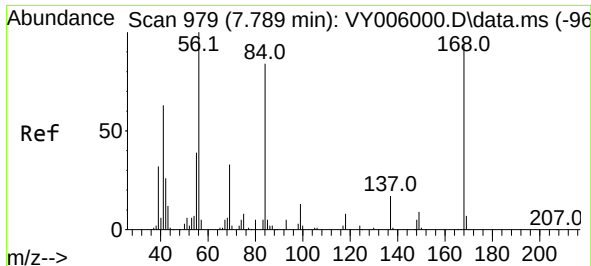
Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
72 39.8 17.7 26.5#



#27
cis-1,2-Dichloroethene
Concen: 37.864 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

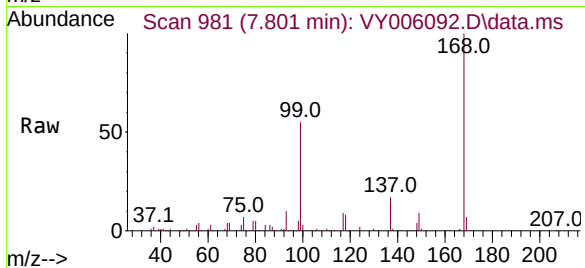
Tgt Ion: 96 Resp: 30542
Ion Ratio Lower Upper
96 100
61 133.4 0.0 319.8
98 64.2 0.0 127.0



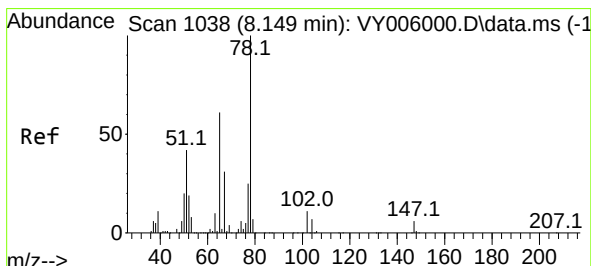
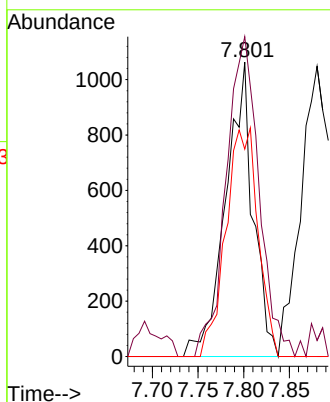
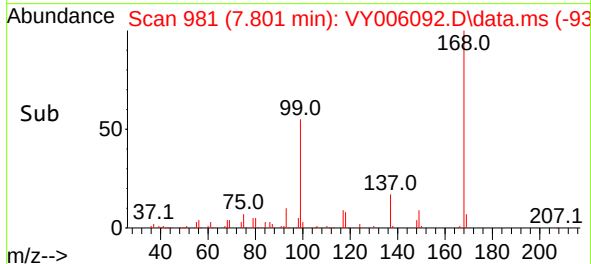


#31
Cyclohexane
Concen: 1.550 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

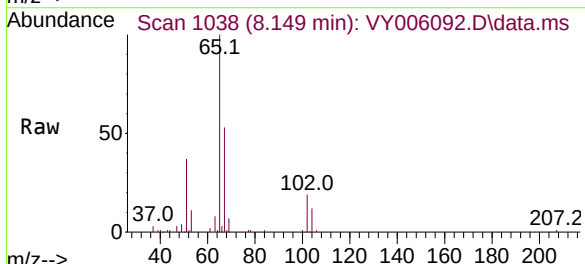
Instrument :
MSVOA_Y
ClientSampled :



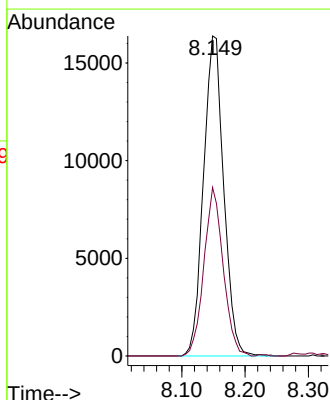
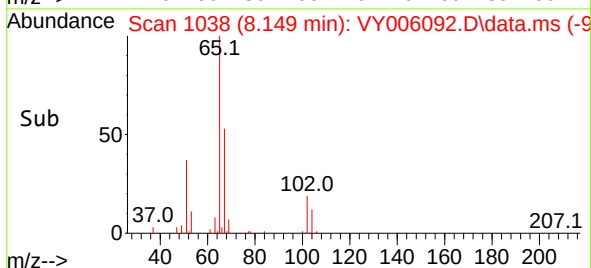
Tgt Ion: 56 Resp: 2227
Ion Ratio Lower Upper
56 100
69 108.7 26.7 40.1#
84 70.5 67.2 100.8

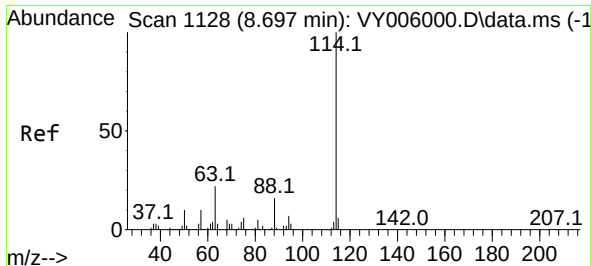


#33
1,2-Dichloroethane-d4
Concen: 40.610 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36



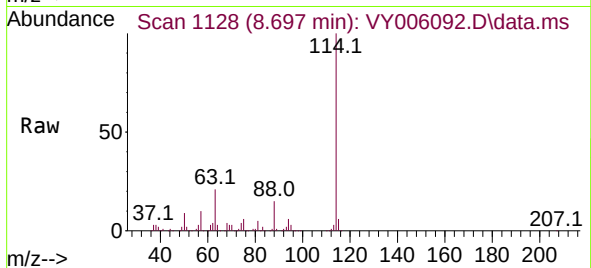
Tgt Ion: 65 Resp: 36427
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.4



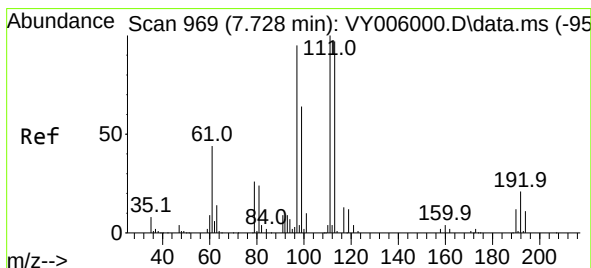
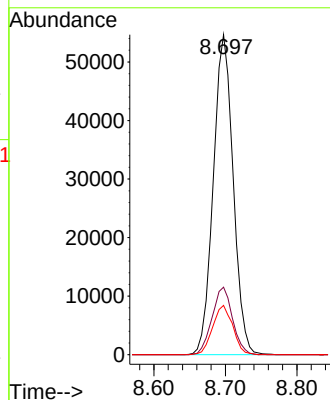
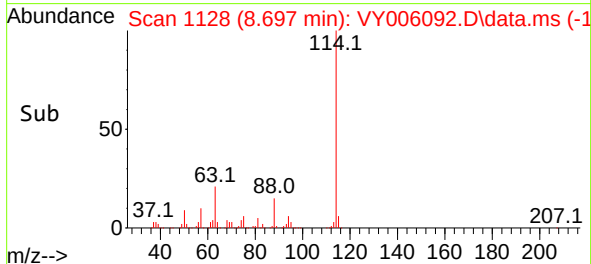


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

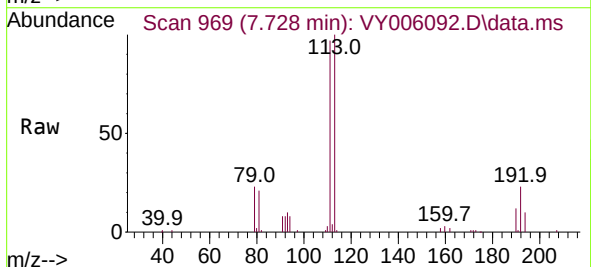
Instrument :
MSVOA_Y
ClientSampled :



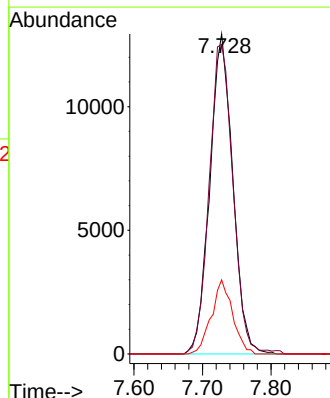
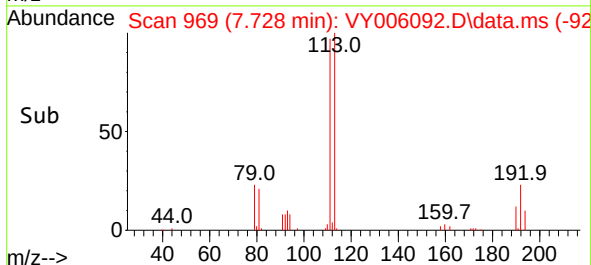
Tgt Ion:114 Resp: 105584
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.2
88 15.4 0.0 31.8

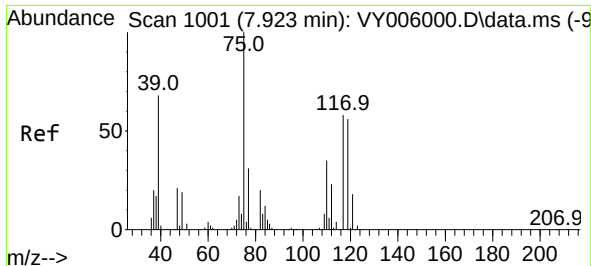


#35
Dibromofluoromethane
Concen: 45.869 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36



Tgt Ion:113 Resp: 30081
Ion Ratio Lower Upper
113 100
111 100.6 82.6 124.0
192 21.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.497 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

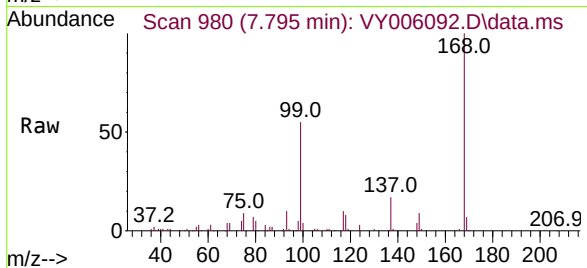
Lab File: VY006092.D

Acq: 20 Sep 2021 13:36

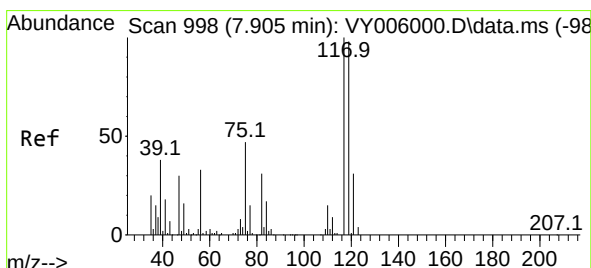
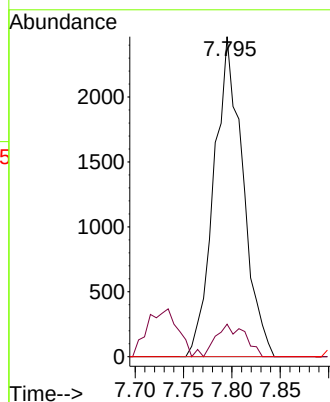
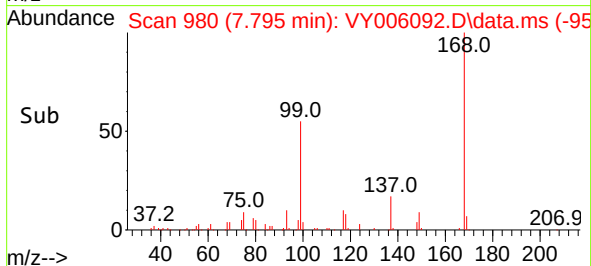
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 5125
Ion Ratio	Lower Upper
75	100
110	10.1 17.1 51.2#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.827 ug/l

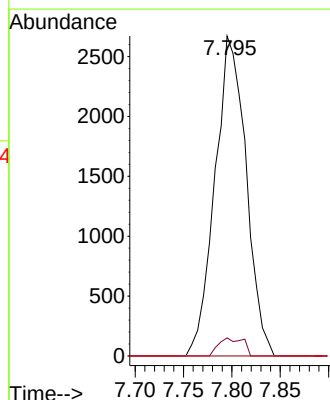
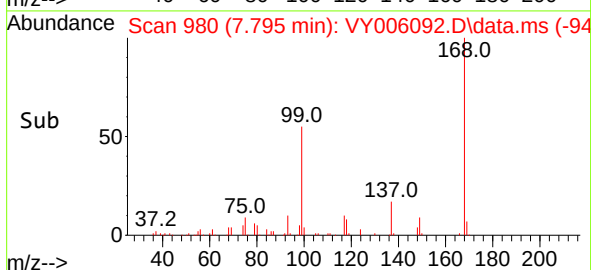
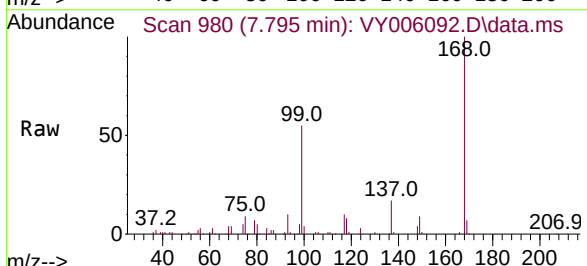
RT: 7.795 min Scan# 980

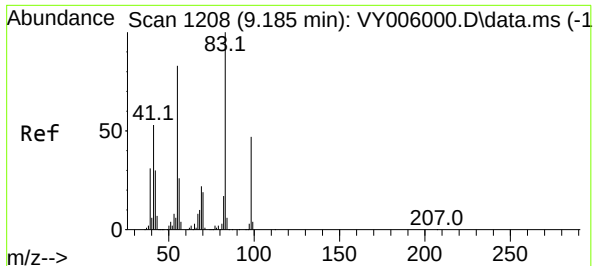
Delta R.T. -0.110 min

Lab File: VY006092.D

Acq: 20 Sep 2021 13:36

Tgt Ion: 117	Resp: 5988
Ion Ratio	Lower Upper
117	100
119	5.7 77.9 116.9#
121	0.0 24.8 37.2#

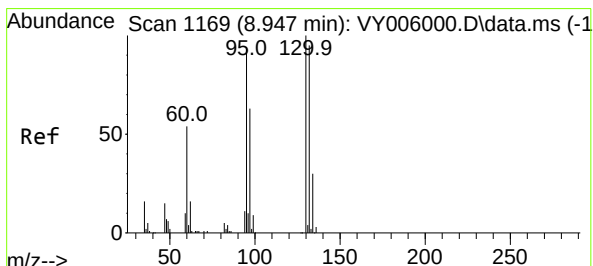
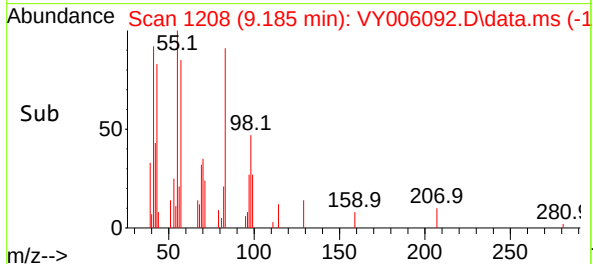
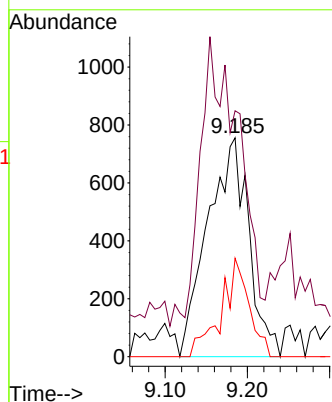
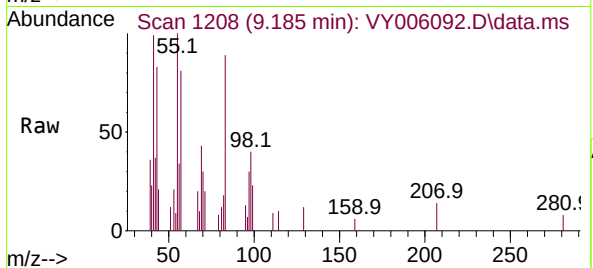




#39
Methylcyclohexane
Concen: 1.854 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

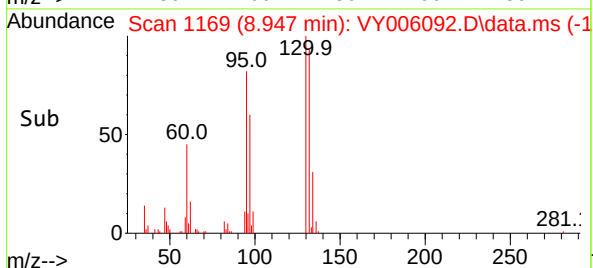
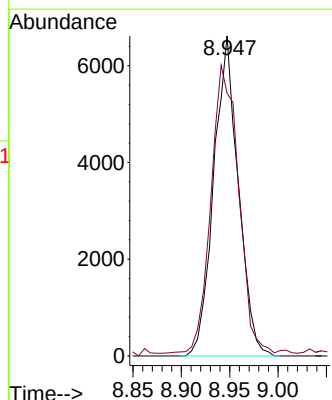
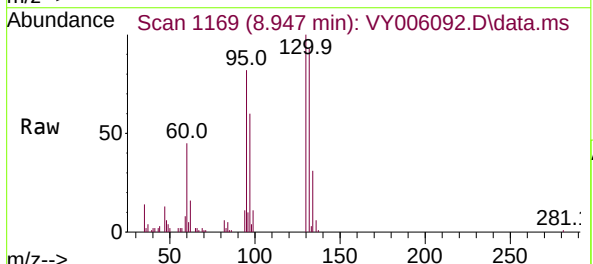
Instrument :
MSVOA_Y
ClientSampleId :

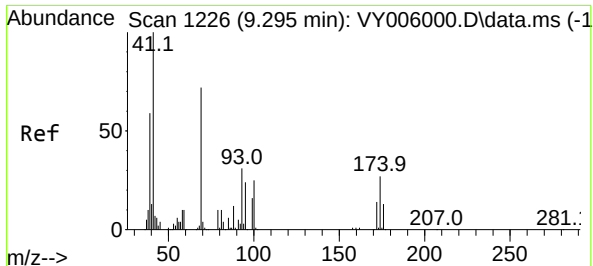
Tgt Ion: 83 Resp: 2618
Ion Ratio Lower Upper
83 100
55 92.3 66.5 99.7
98 45.0 37.9 56.9



#44
Trichloroethene
Concen: 14.334 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

Tgt Ion:130 Resp: 11673
Ion Ratio Lower Upper
130 100
95 80.9 0.0 188.2





#48

Methyl methacrylate

Concen: 1.551 ug/l

RT: 9.252 min Scan# 1219

Delta R.T. -0.043 min

Lab File: VY006092.D

Acq: 20 Sep 2021 13:36

Tgt Ion: 41 Resp: 1051

Ion Ratio Lower Upper

41 100

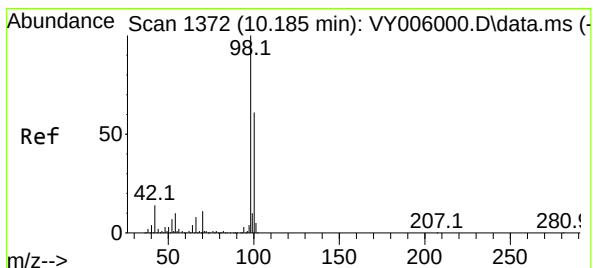
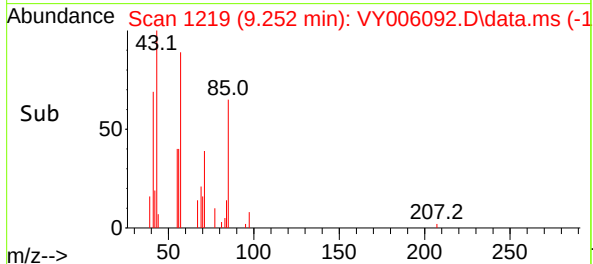
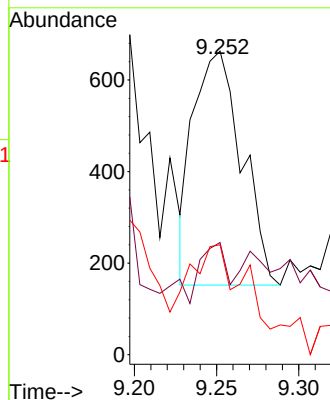
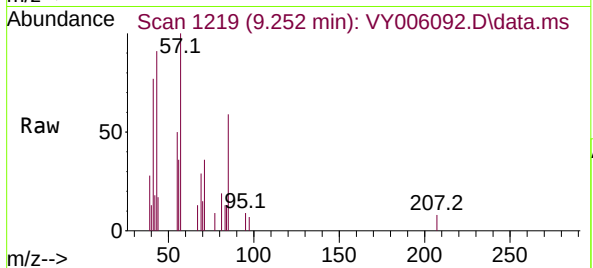
69 13.6 58.2 87.2#

39 36.8 47.4 71.0#

Instrument :

MSVOA_Y

ClientSampleId :



#50

Toluene-d8

Concen: 50.660 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.000 min

Lab File: VY006092.D

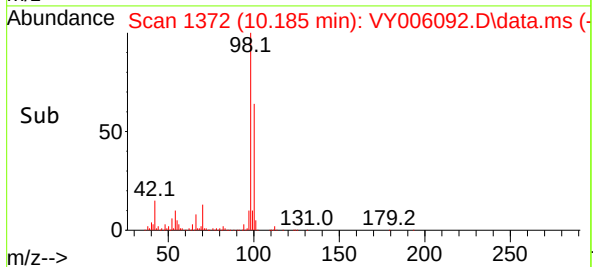
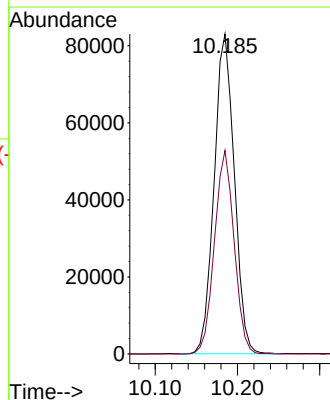
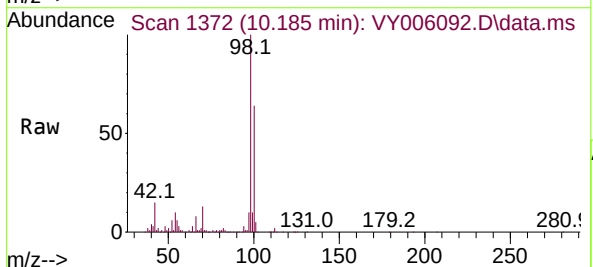
Acq: 20 Sep 2021 13:36

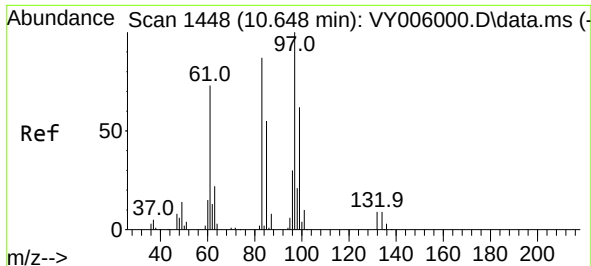
Tgt Ion: 98 Resp: 141596

Ion Ratio Lower Upper

98 100

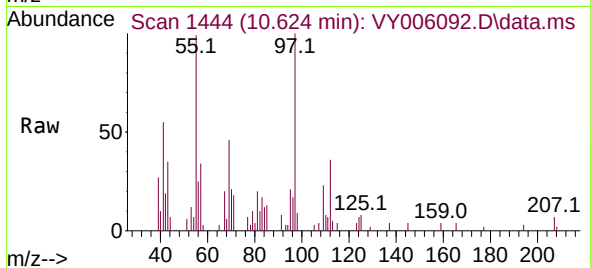
100 62.0 50.2 75.2



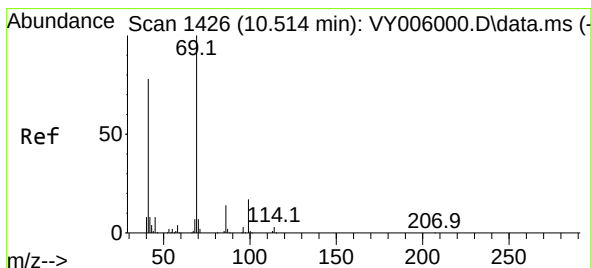
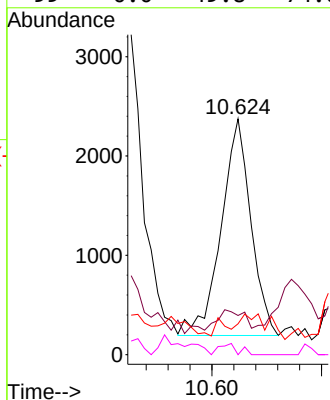
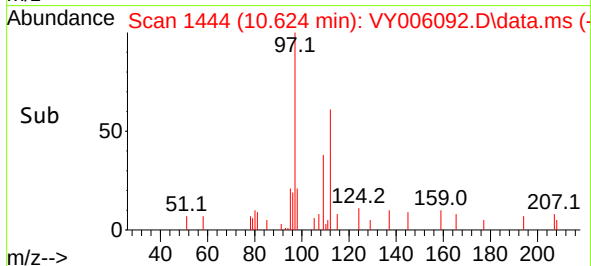


#55
1,1,2-Trichloroethane
Concen: 6.825 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

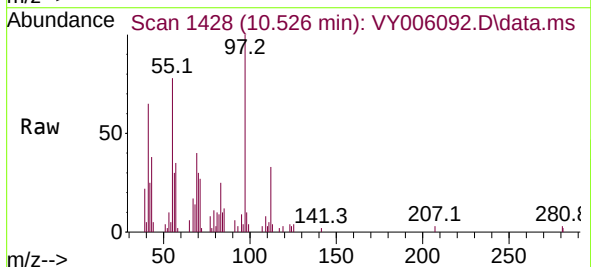
Instrument :
MSVOA_Y
ClientSampleId :



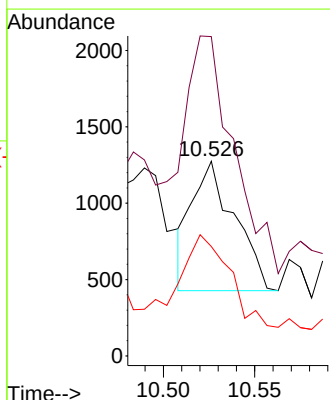
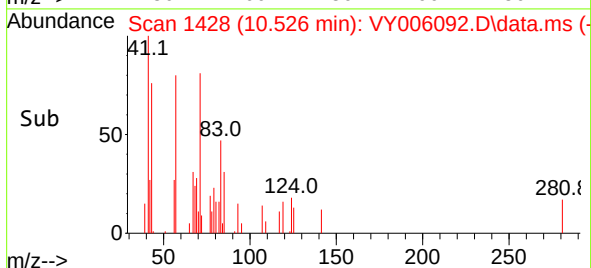
Tgt Ion:	97	Resp:	4104
Ion	Ratio	Lower	Upper
97	100		
83	2.1	69.8	104.8#
85	2.8	44.3	66.5#
99	0.0	49.8	74.6#

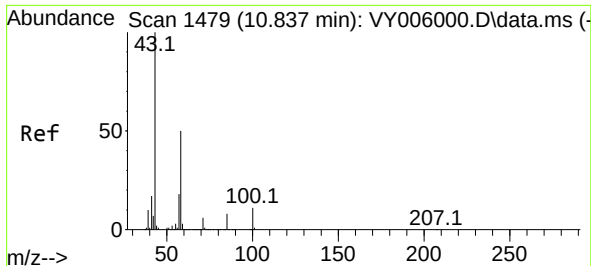


#56
Ethyl methacrylate
Concen: 1.430 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.012 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36



Tgt Ion:	69	Resp:	1375
Ion	Ratio	Lower	Upper
69	100		
41	234.9	63.4	95.0#
39	85.7	35.8	53.8#

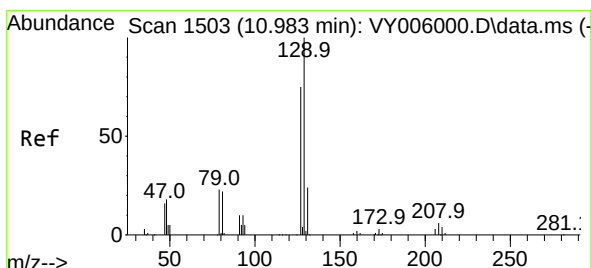
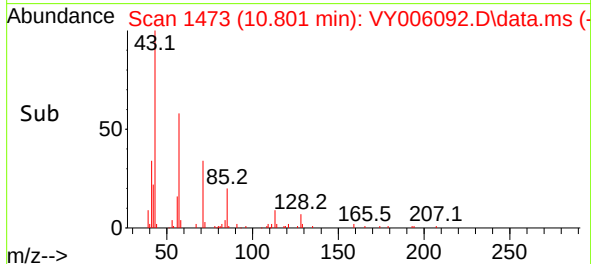
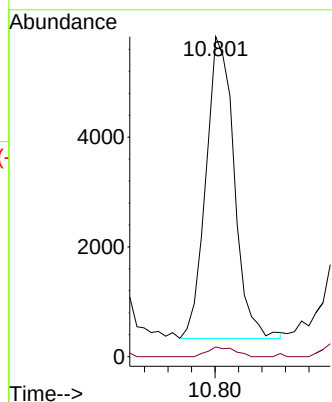
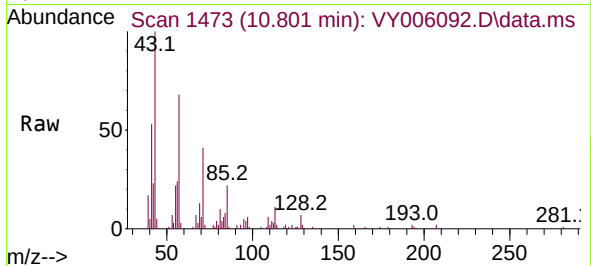




#59
2-Hexanone
Concen: 17.013 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

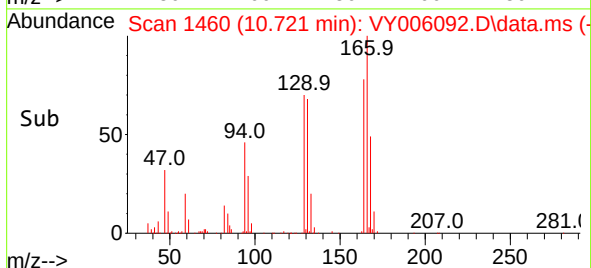
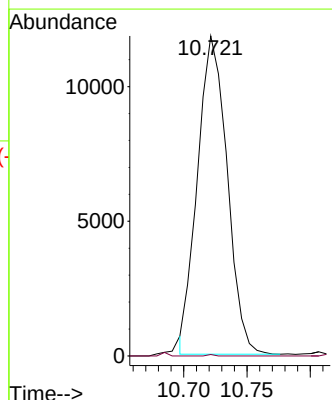
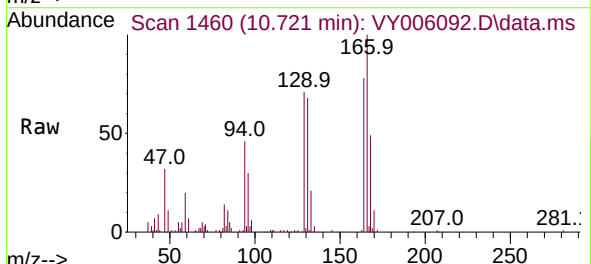
Instrument :
MSVOA_Y
ClientSampled :

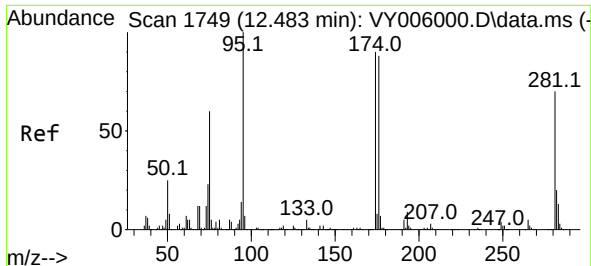
Tgt Ion: 43 Resp: 9182
Ion Ratio Lower Upper
43 100
58 3.1 24.4 73.4#



#60
Dibromochloromethane
Concen: 26.030 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

Tgt Ion: 129 Resp: 19297
Ion Ratio Lower Upper
129 100
127 0.1 38.7 116.1#

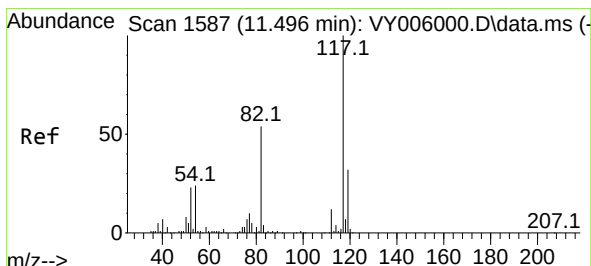
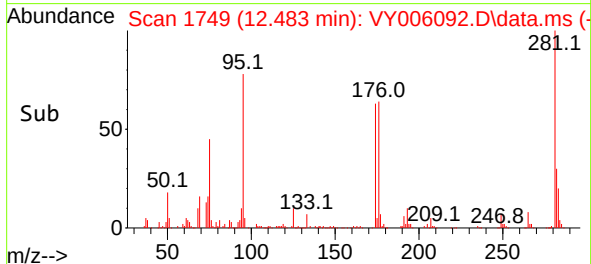
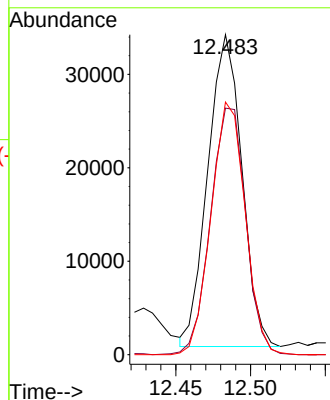
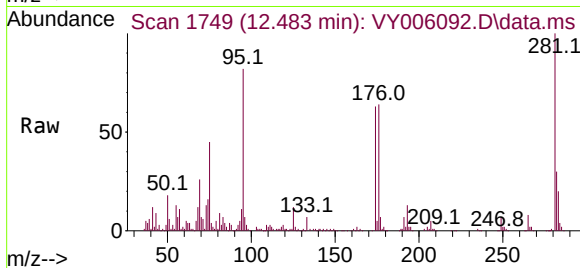




#62
4-Bromofluorobenzene
Concen: 55.651 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

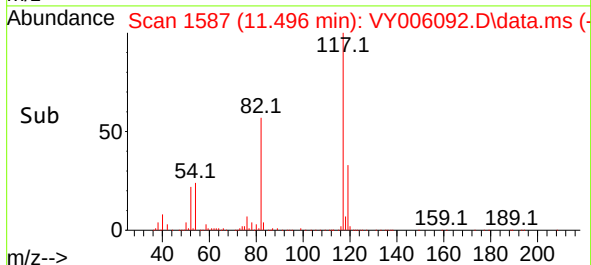
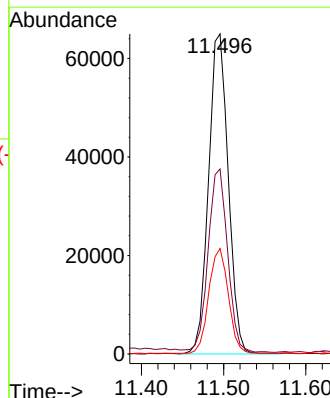
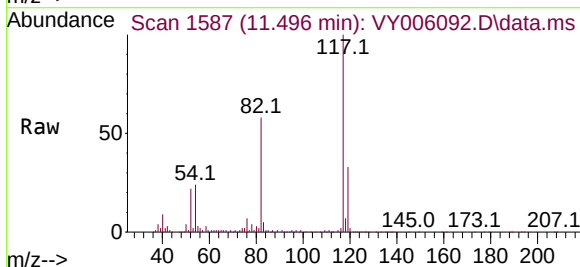
Instrument :
MSVOA_Y
ClientSampleId :

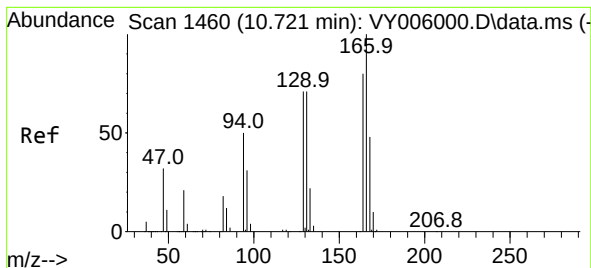
Tgt Ion: 95 Resp: 52811
Ion Ratio Lower Upper
95 100
174 81.8 0.0 177.0
176 81.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

Tgt Ion: 117 Resp: 108541
Ion Ratio Lower Upper
117 100
82 57.2 43.0 64.4
119 32.7 25.4 38.0





#64

Tetrachloroethene

Concen: 24.302 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VY006092.D

Acq: 20 Sep 2021 13:36

Tgt Ion:164 Resp: 21574

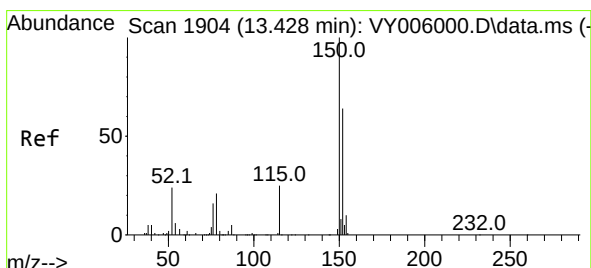
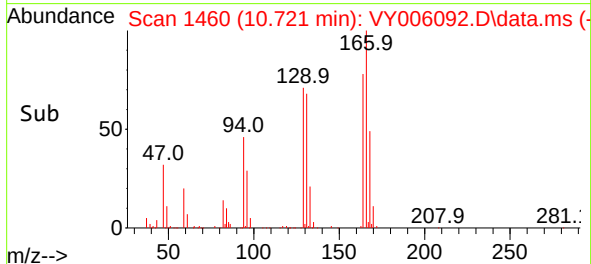
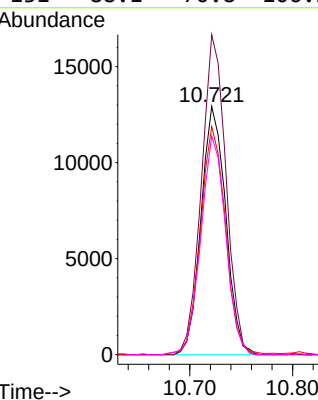
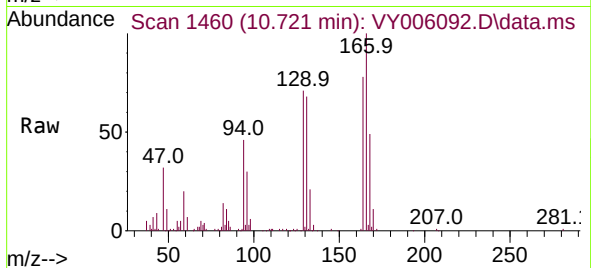
Ion Ratio Lower Upper

164 100

166 129.0 100.4 150.6

129 91.4 71.4 107.0

131 88.1 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: VY006092.D

Acq: 20 Sep 2021 13:36

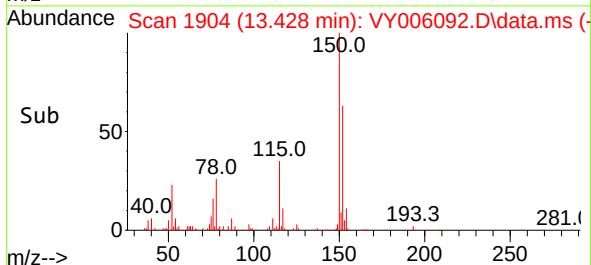
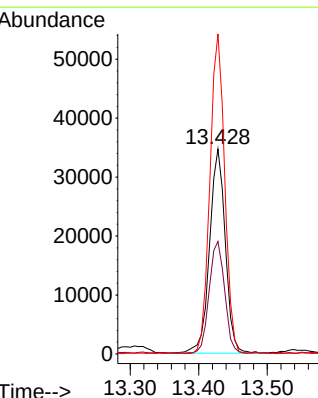
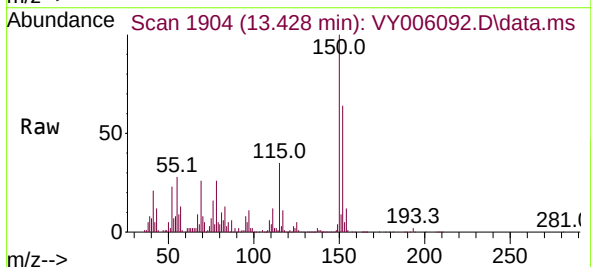
Tgt Ion:152 Resp: 55253

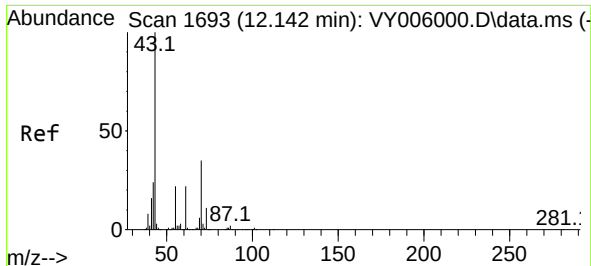
Ion Ratio Lower Upper

152 100

115 53.3 28.2 84.7

150 146.7 0.0 347.6

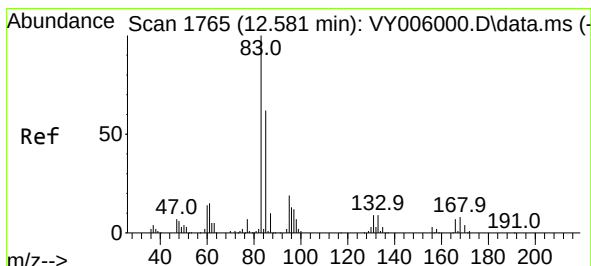
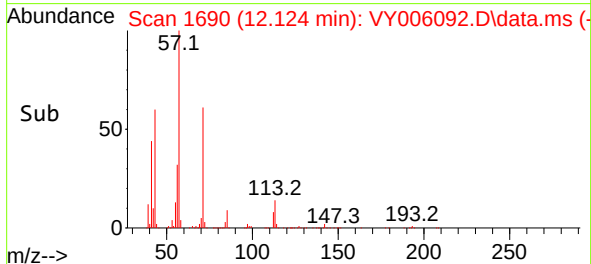
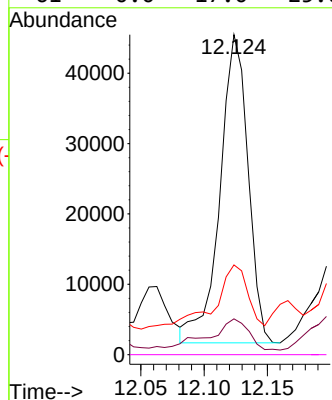
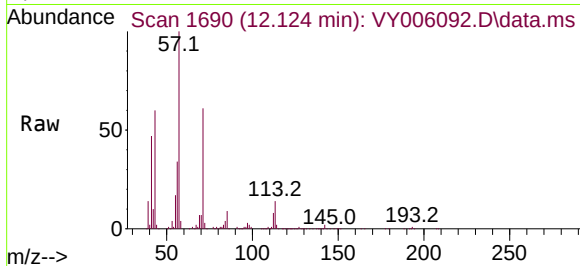




#74
N-amy1 acetate
Concen: 45.292 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

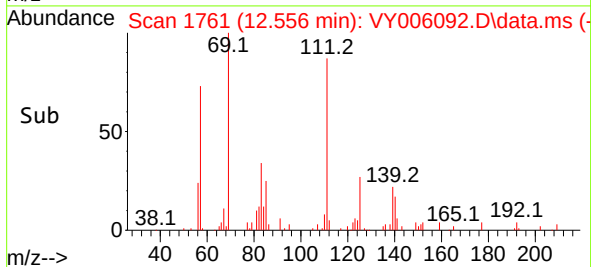
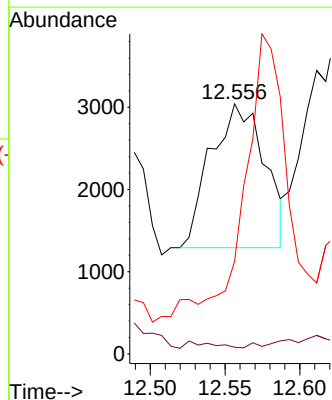
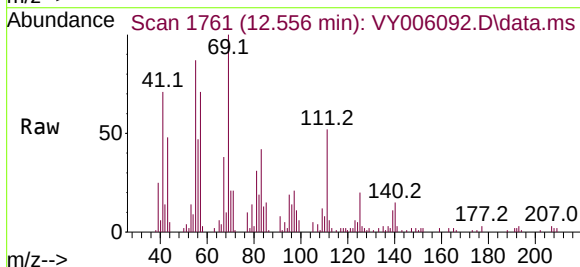
Instrument :
MSVOA_Y
ClientSampleId :

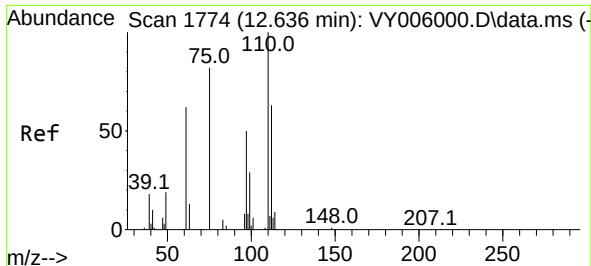
Tgt Ion:	43	Resp:	67671
Ion	Ratio	Lower	Upper
43	100		
70	14.5	28.7	43.1#
55	21.5	17.3	25.9
61	0.0	17.0	25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 5.442 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.024 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

Tgt Ion:	83	Resp:	4381
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	130.0	32.3	96.8#

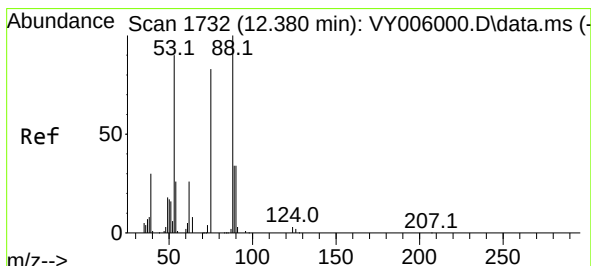
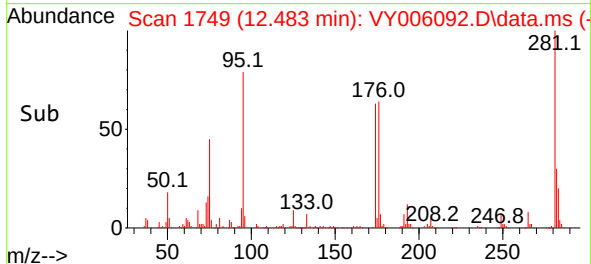
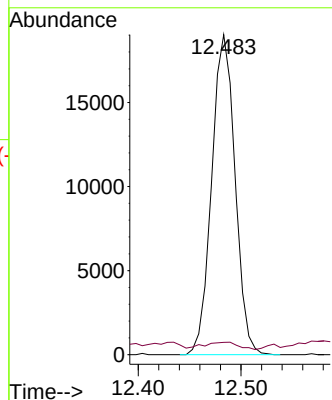
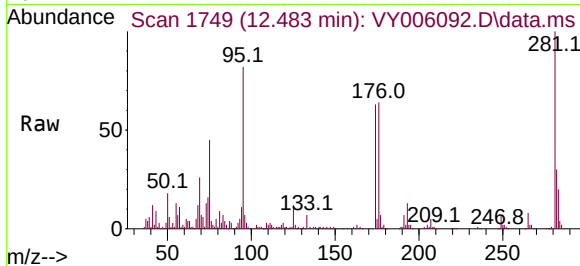




#76
1,2,3-Trichloropropane
Concen: 50.964 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 30023
Ion Ratio Lower Upper
75 100
77 3.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.698 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006092.D
Acq: 20 Sep 2021 13:36

Tgt Ion: 75 Resp: 30023
Ion Ratio Lower Upper
75 100
53 4.3 85.3 127.9#
89 1.7 37.0 55.4#

