

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120720\
 Data File : VY003675.D
 Acq On : 07 Dec 2020 17:09
 Operator : SY/MD
 Sample : L4485-07
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 X2S41

Quant Time: Dec 08 00:45:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 00:43:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	242679	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	233549	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	116395	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	51840	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.04%
7) Chloroethane-d5	2.77	69	46168	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.08%
11) 1,1-Dichloroethene-d2	3.86	63	88464	16.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.60%
21) 2-Butanone-d5	6.90	46	64939	52.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.94%
24) Chloroform-d	7.49	84	127505	23.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	8.15	65	73420	24.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.24%
32) Benzene-d6	8.12	84	272885	23.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.36%
36) 1,2-Dichloropropane-d6	9.12	67	85087	24.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.84%
41) Toluene-d8	10.18	98	246236	23.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.64%
43) trans-1,3-Dichloropropene-	10.44	79	39664	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.12%
47) 2-Hexanone-d5	10.79	63	52161	52.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.90%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	79797	24.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.32%
66) 1,2-Dichlorobenzene-d4	13.72	152	96183	25.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	3281	1.292	ug/L	95
3) Chloromethane	2.12	50	3601	1.236	ug/L	92
5) Vinyl chloride	2.26	62	3717	1.265	ug/L #	65
6) Bromomethane	2.66	94	2266	1.199	ug/L	86
9) Trichlorofluoromethane	3.14	101	5393	1.171	ug/L	96
12) 1,1-Dichloroethene	3.88	96	4019	1.392	ug/L #	1
14) Carbon disulfide	4.21	76	10533	1.127	ug/L	95
16) Methylene chloride	4.73	84	10807	2.547	ug/L	97
17) trans-1,2-Dichloroethene	5.23	96	1485	0.461	ug/L	73
18) Methyl tert-butyl Ether	5.25	73	9656	1.187	ug/L #	81
19) 1,1-Dichloroethane	6.03	63	6513	1.217	ug/L	94
20) cis-1,2-Dichloroethene	7.00	96	4162	1.206	ug/L	94
22) 2-Butanone	7.01	43	4474	3.011	ug/L	96
23) Bromochloromethane	7.34	128	1860	1.083	ug/L #	79
27) 1,2-Dichloroethane	8.25	62	4654	1.269	ug/L #	87
29) Cyclohexane	7.80	56	5006	1.005	ug/L #	84
30) 1,1,1-Trichloroethane	7.70	97	5657	1.164	ug/L #	38

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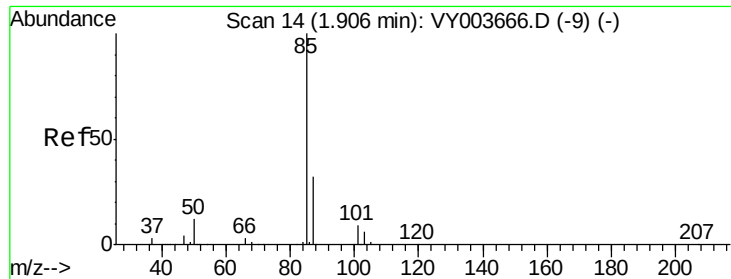
Instrument :
 MSVOA_Y
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

31) Carbon tetrachloride	7.90	117	5320	1.209	ug/L	96
33) Benzene	8.17	78	17719	1.342	ug/L	100
34) Trichloroethene	8.95	95	4526	1.273	ug/L	96
35) Methylcyclohexane	9.19	83	6013	1.074	ug/L	96
37) 1,2-Dichloropropane	9.22	63	3812	1.155	ug/L #	93
38) Bromodichloromethane	9.50	83	4817	1.141	ug/L #	90
39) cis-1,3-Dichloropropene	9.93	75	5840	1.122	ug/L	98
40) 4-Methyl-2-pentanone	10.08	43	7304	2.445	ug/L	99
42) Toluene	10.25	91	16435	1.168	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	5396	1.113	ug/L	95
45) 1,1,2-Trichloroethane	10.65	97	3283	1.139	ug/L	89
46) Tetrachloroethene	10.72	164	3727	1.305	ug/L	97
48) 2-Hexanone	10.83	43	5249	2.520	ug/L #	95
49) Dibromochloromethane	10.99	129	3819	1.150	ug/L	92
50) 1,2-Dibromoethane	11.09	107	3252	1.170	ug/L #	97
51) Chlorobenzene	11.52	112	10727	1.154	ug/L	92
52) Ethylbenzene	11.59	91	16707	1.101	ug/L	96
53) m,p-Xylene	11.70	106	6637	1.118	ug/L	87
54) o-Xylene	12.03	106	6361	1.121	ug/L	97
55) Styrene	12.04	104	10084	1.041	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.58	83	4386	1.403	ug/L #	97
59) Bromoform	12.21	173	2660	1.226	ug/L #	89
60) Isopropylbenzene	12.33	105	15447	1.091	ug/L	98
61) 1,2,3-Trichloropropane	12.64	75	3409	1.313	ug/L	96
62) 1,3,5-Trimethylbenzene	12.81	105	12067	1.075	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	12088	1.084	ug/L	97
64) 1,3-Dichlorobenzene	13.37	146	8404	1.225	ug/L	93
65) 1,4-Dichlorobenzene	13.45	146	9075	1.306	ug/L	93
67) 1,2-Dichlorobenzene	13.74	146	8253	1.293	ug/L	95
68) 1,2-Dibromo-3-chloropropan	14.50	75	1091	1.913	ug/L #	1
69) 1,3,5-Trichlorobenzene	14.51	180	6341	1.304	ug/L	95
70) 1,2,4-trichlorobenzene	15.01	180	4912	1.188	ug/L	96
71) Naphthalene	15.23	128	9204	1.049	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.43	180	5082	1.341	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 1.292 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

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ClientSampleId :

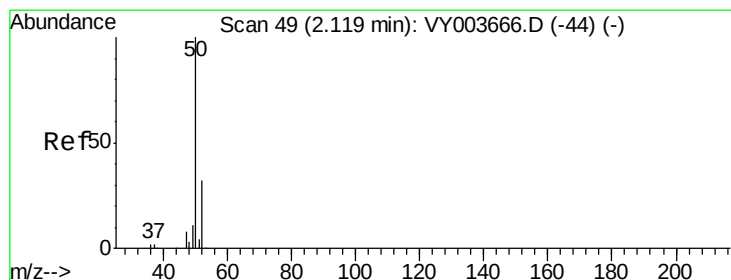
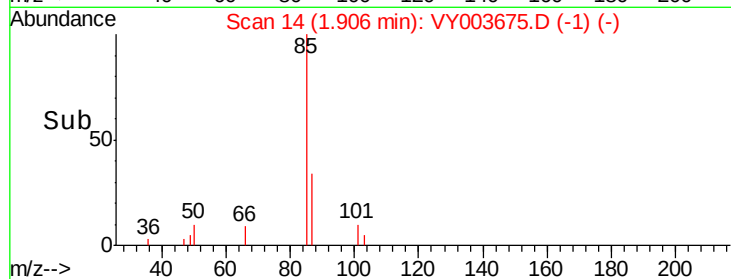
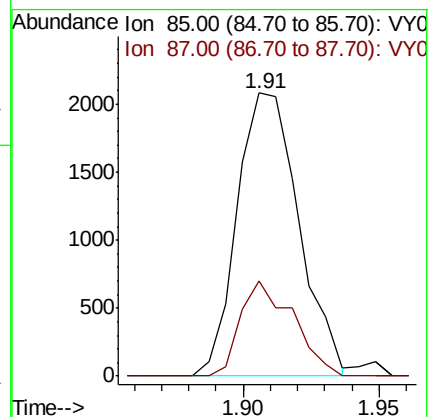
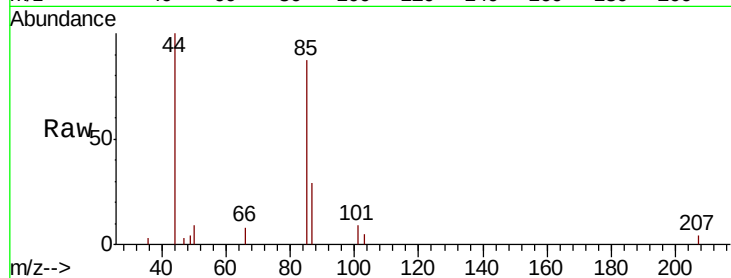
X2S41

Tot Ion: 85 Resp: 3281

Ion Ratio Lower Upper

85 100

87 28.6 25.1 37.7



#3

Chloromethane

Concen: 1.236 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003675.D

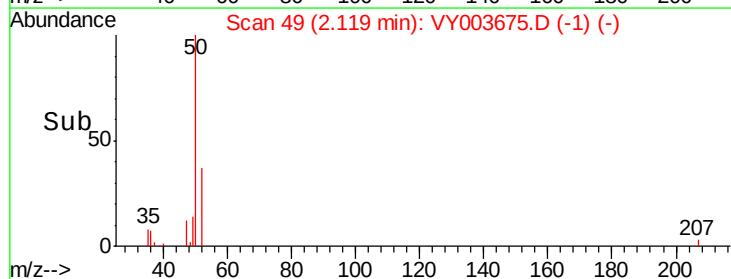
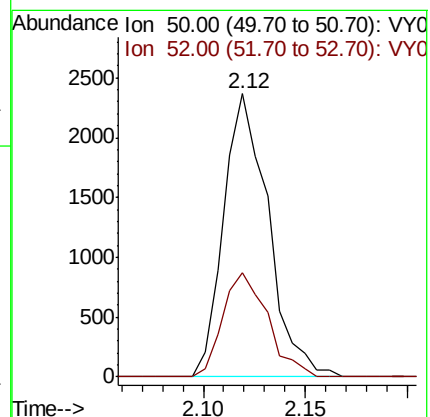
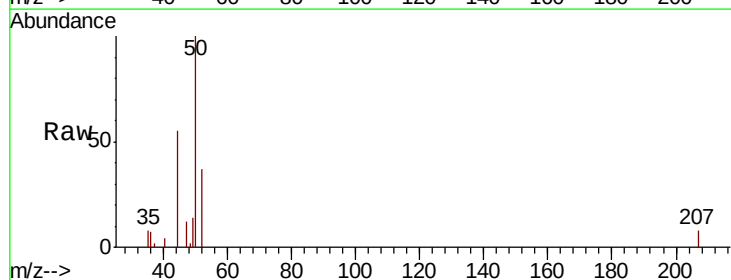
Acq: 07 Dec 2020 17:09

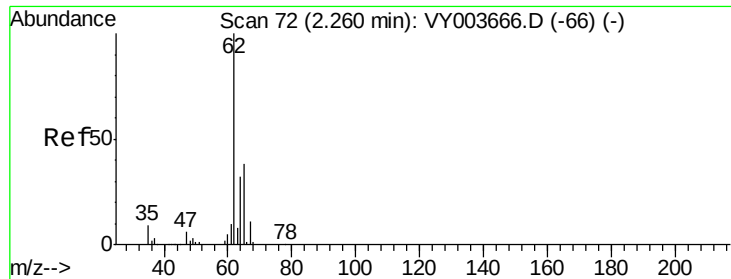
Tgt Ion: 50 Resp: 3601

Ion Ratio Lower Upper

50 100

52 36.7 22.7 42.1





#5

Vinyl chloride

Concen: 1.265 ug/L

RT: 2.26 min Scan# 72

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

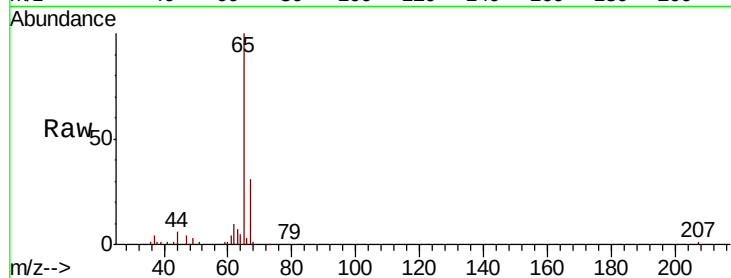
X2S41

Tot Ion: 62 Resp: 3717

Ion Ratio Lower Upper

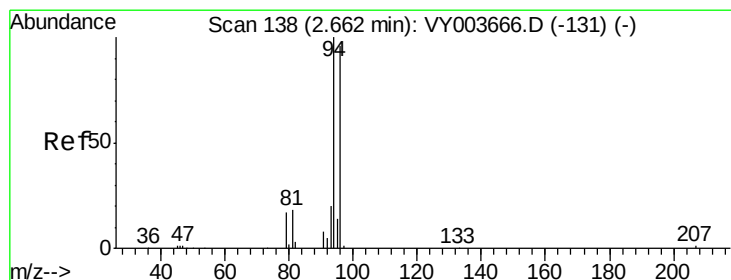
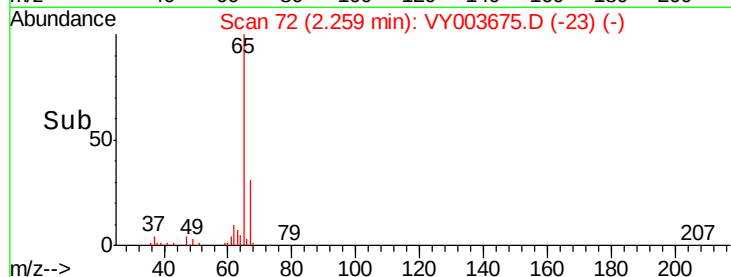
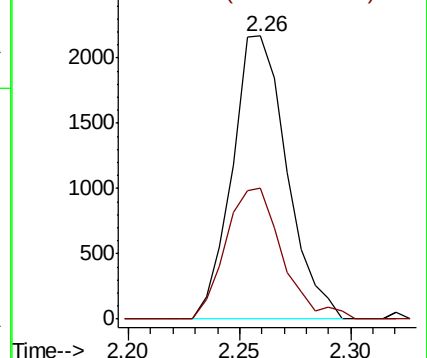
62 100

64 46.3 19.6 36.4#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 1.199 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.00 min

Lab File: VY003675.D

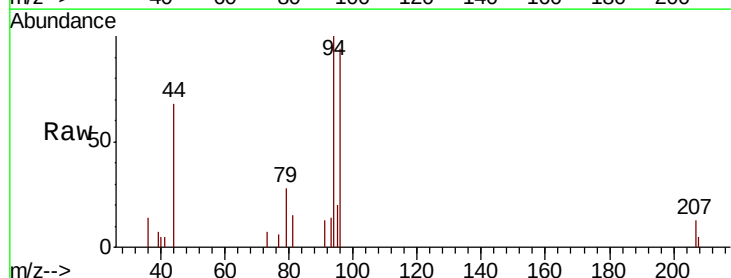
Acq: 07 Dec 2020 17:09

Tgt Ion: 94 Resp: 2266

Ion Ratio Lower Upper

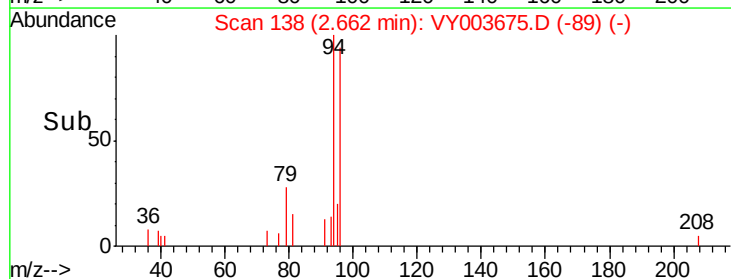
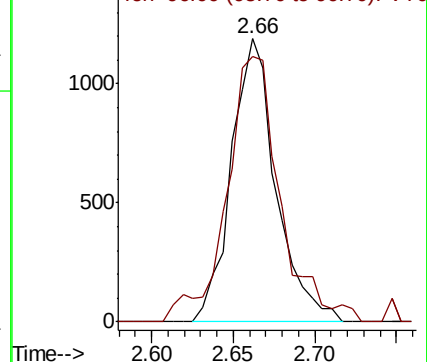
94 100

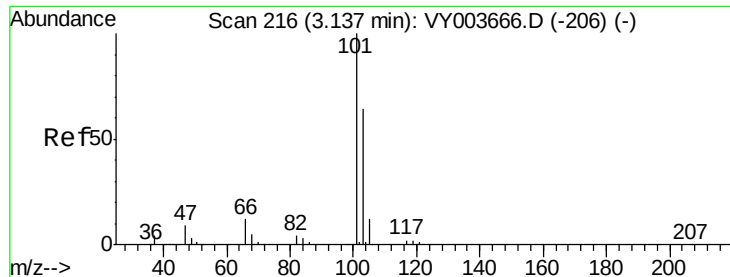
96 93.6 56.6 105.2



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0



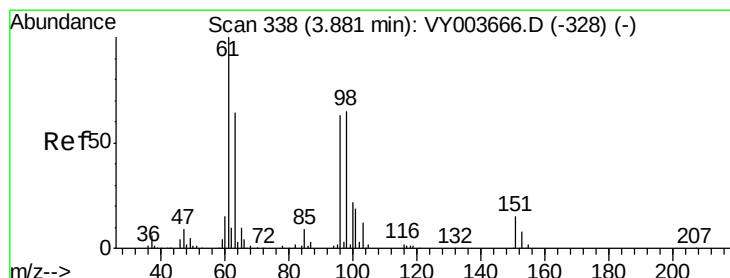
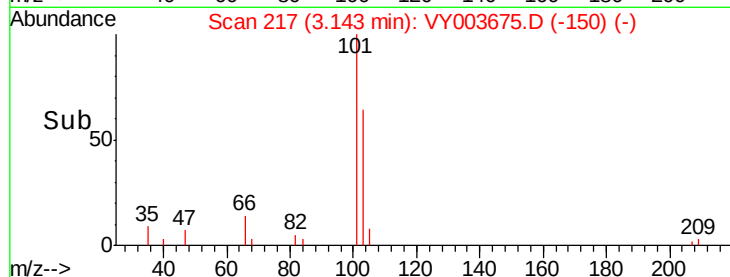
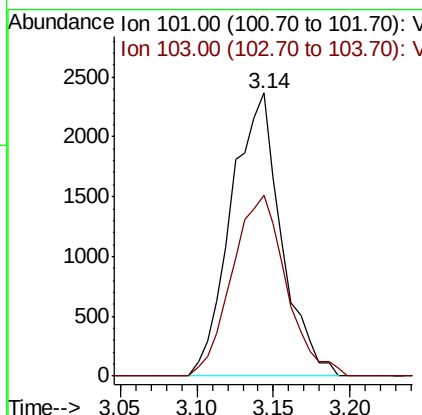
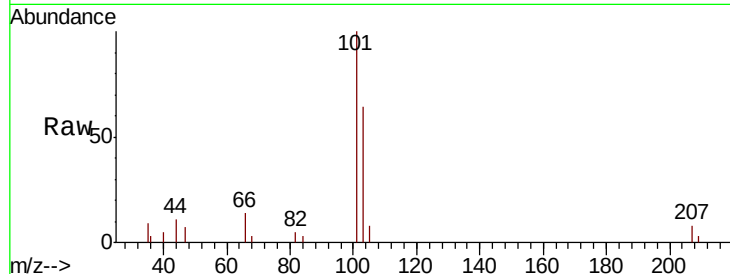


#9

Trichlorofluoromethane
Concen: 1.171 ug/L
RT: 3.14 min Scan# 217
Delta R.T. 0.01 min
Lab File: VY003675.D
Acq: 07 Dec 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
X2S41

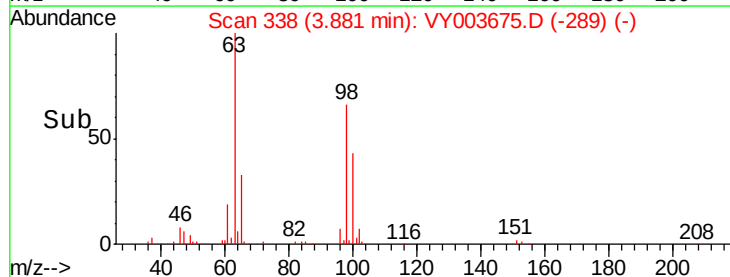
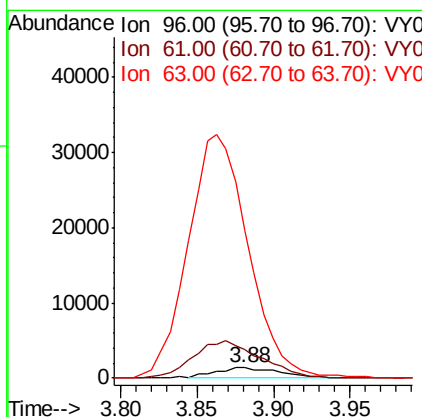
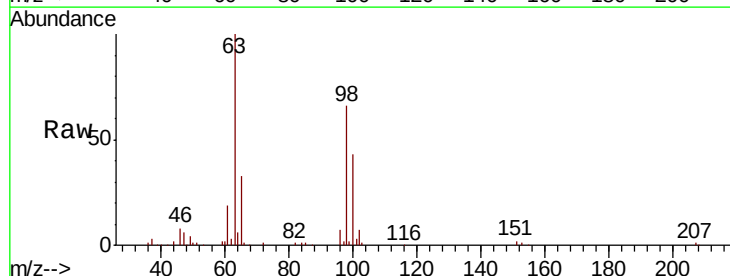
Tot Ion:101 Resp: 5393
Ion Ratio Lower Upper
101 100
103 68.9 52.3 78.5

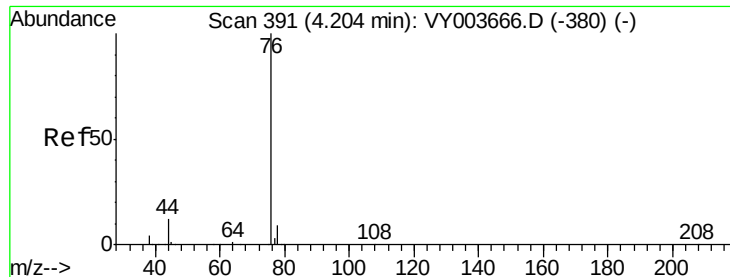


#12

1,1-Dichloroethene
Concen: 1.392 ug/L
RT: 3.88 min Scan# 338
Delta R.T. -0.00 min
Lab File: VY003675.D
Acq: 07 Dec 2020 17:09

Tgt Ion: 96 Resp: 4019
Ion Ratio Lower Upper
96 100
61 270.8 108.6 201.8#
63 1409.6 61.0 113.2#





#14

Carbon disulfide

Concen: 1.127 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.01 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

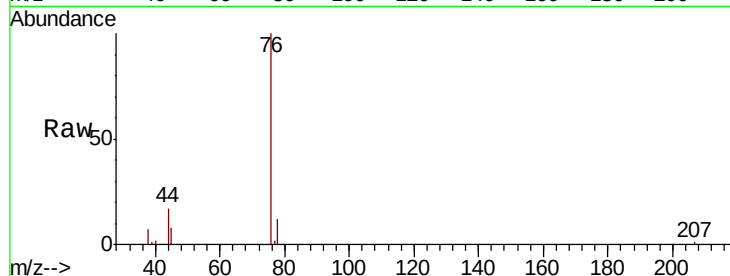
X2S41

Tot Ion: 76 Resp: 10533

Ion Ratio Lower Upper

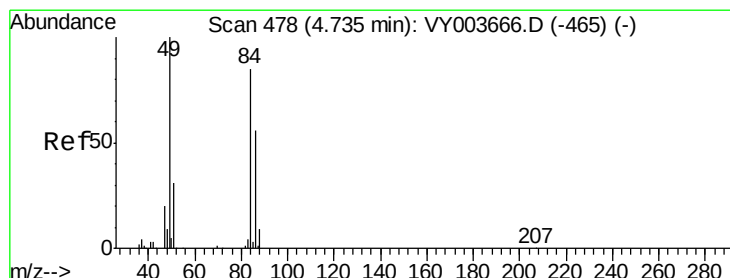
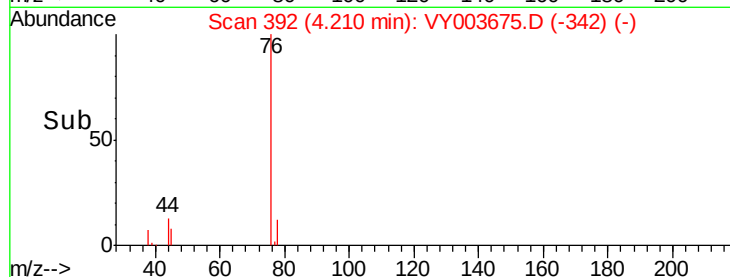
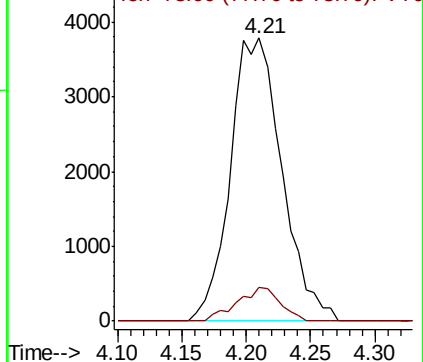
76 100

78 11.7 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0



#16

Methylene chloride

Concen: 2.547 ug/L

RT: 4.73 min Scan# 478

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

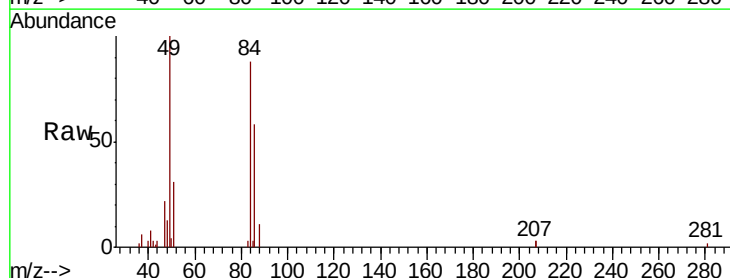
Tgt Ion: 84 Resp: 10807

Ion Ratio Lower Upper

84 100

86 66.1 45.2 84.0

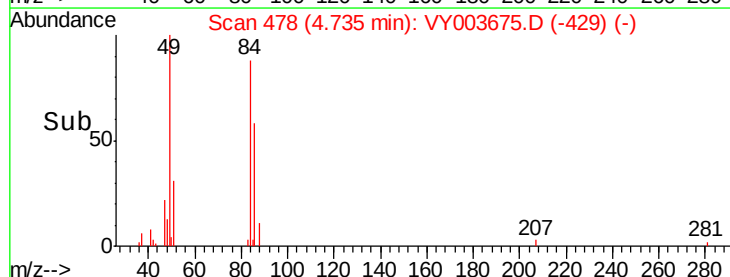
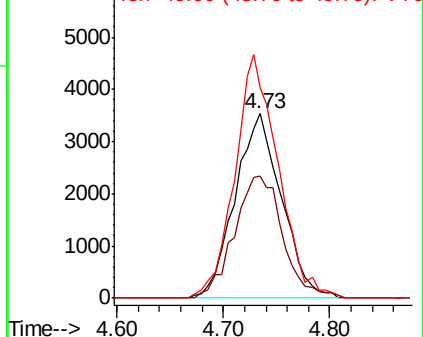
49 114.1 83.1 154.3

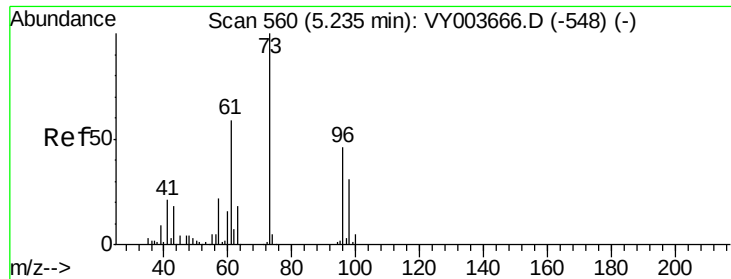


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

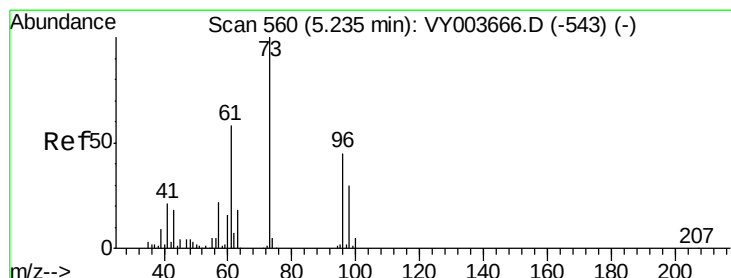
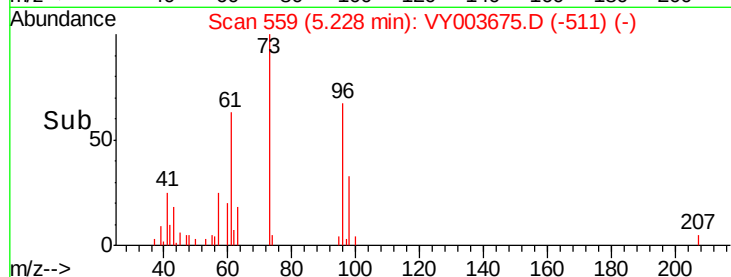
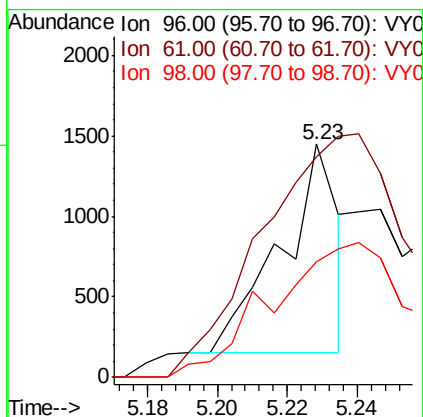
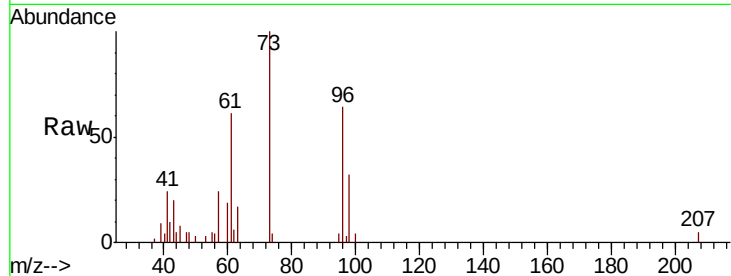




#17
trans-1,2-Dichloroethene
Concen: 0.461 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003675.D
Acq: 07 Dec 2020 17:09

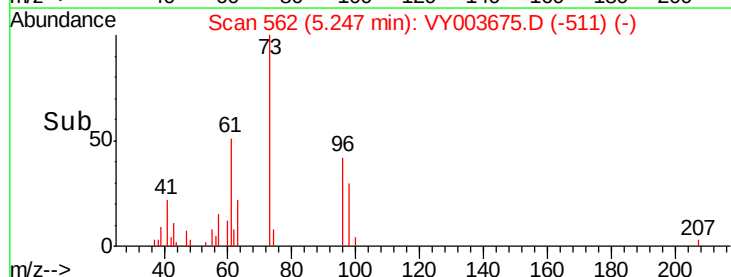
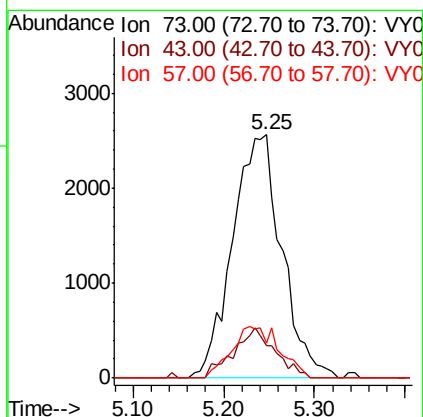
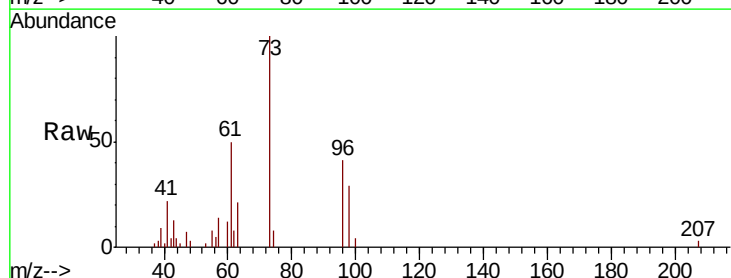
Instrument :
MSVOA_Y
ClientSampled :
X2S41

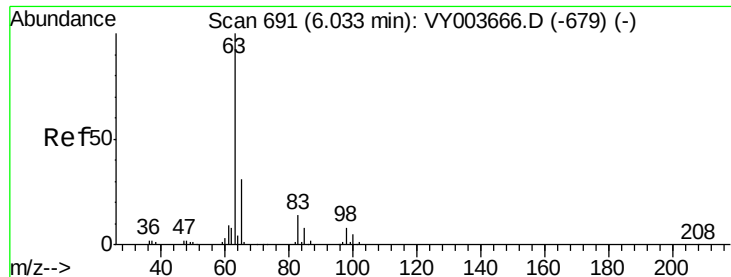
Tot Ion: 96 Resp: 1485
Ion Ratio Lower Upper
96 100
61 94.5 91.8 170.6
98 49.7 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 1.187 ug/L
RT: 5.25 min Scan# 562
Delta R.T. 0.01 min
Lab File: VY003675.D
Acq: 07 Dec 2020 17:09

Tgt Ion: 73 Resp: 9656
Ion Ratio Lower Upper
73 100
43 16.3 10.2 15.4#
57 10.8 18.3 27.5#

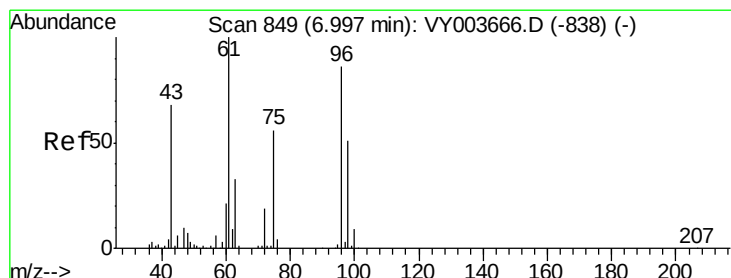
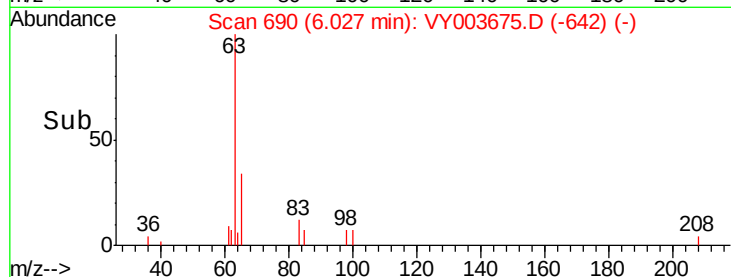
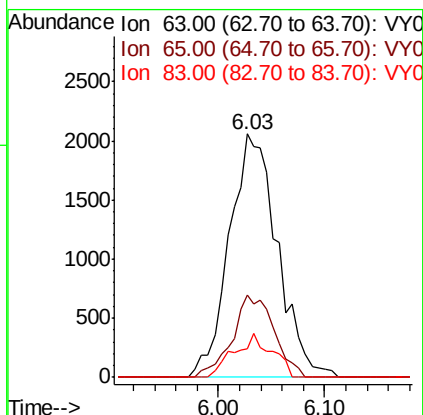
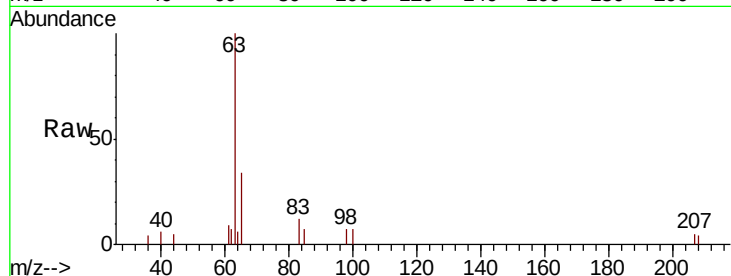




#19
 1,1-Dichloroethane
 Concen: 1.217 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

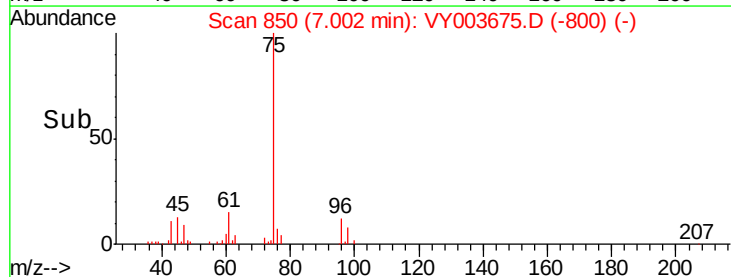
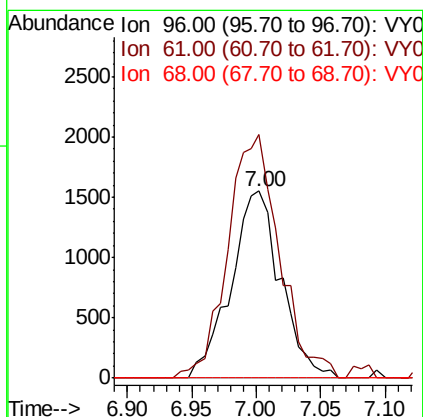
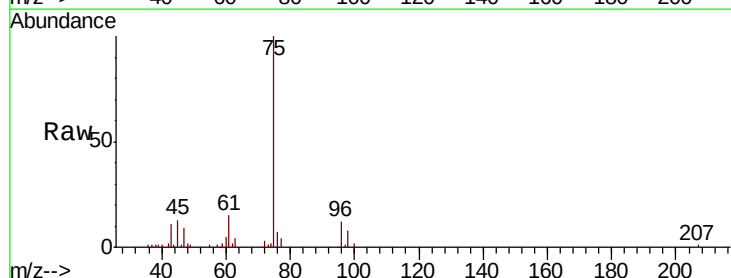
Instrument :
 MSVOA_Y
 ClientSampled :
 X2S41

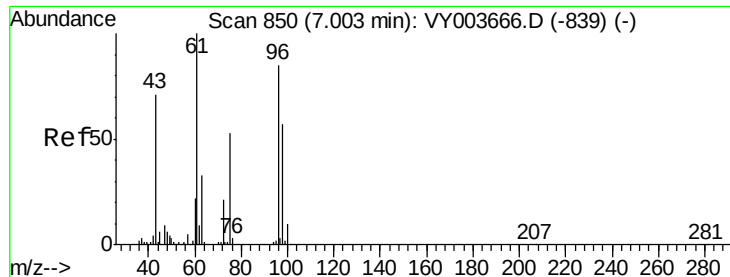
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.8	20.4	38.0
83	11.9	8.6	16.0



#20
 cis-1,2-Dichloroethene
 Concen: 1.206 ug/L
 RT: 7.00 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.1	96.3	178.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.011 ug/L

RT: 7.01 min Scan# 851

Delta R.T. 0.01 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

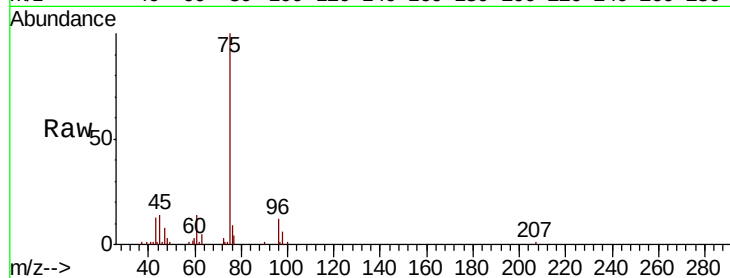
X2S41

Tot Ion: 43 Resp: 4474

Ion Ratio Lower Upper

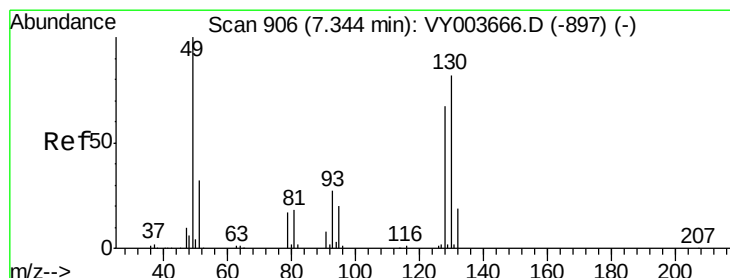
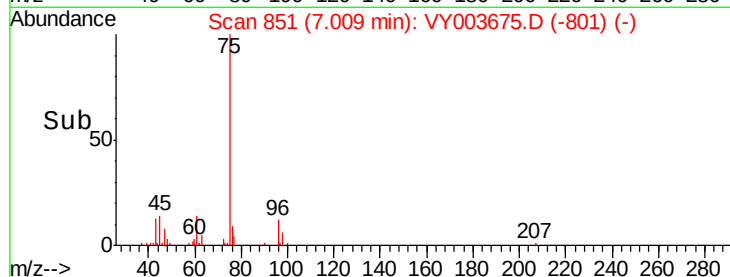
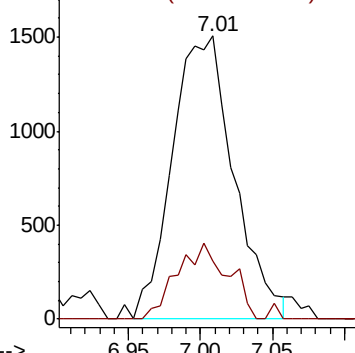
43 100

72 19.6 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 1.083 ug/L

RT: 7.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Tgt Ion:128 Resp: 1860

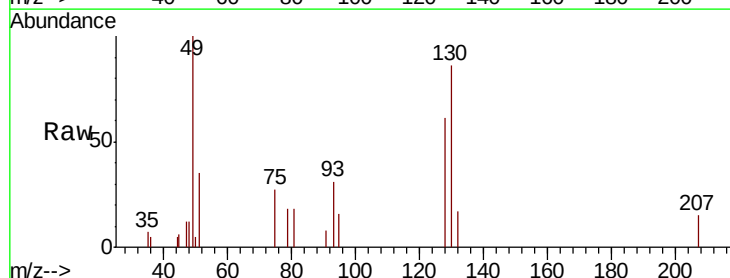
Ion Ratio Lower Upper

128 100

49 164.2 100.8 187.2

130 141.5 78.2 145.2

51 57.0 34.5 51.7#

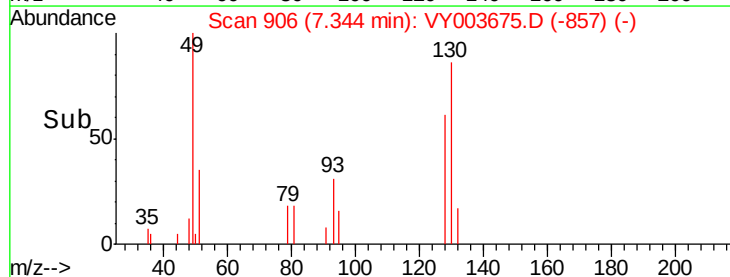
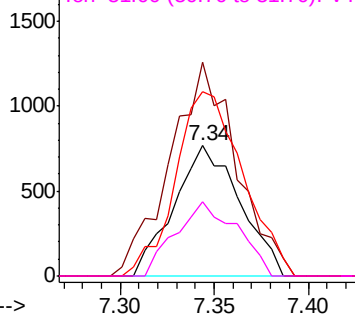


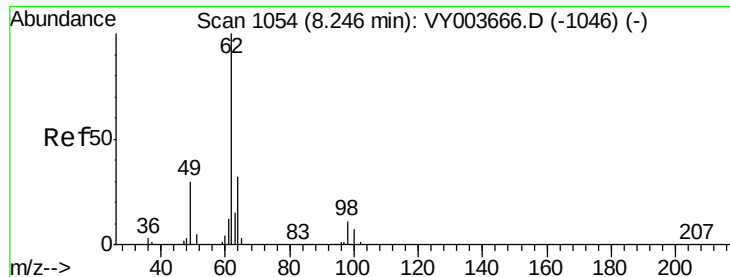
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0

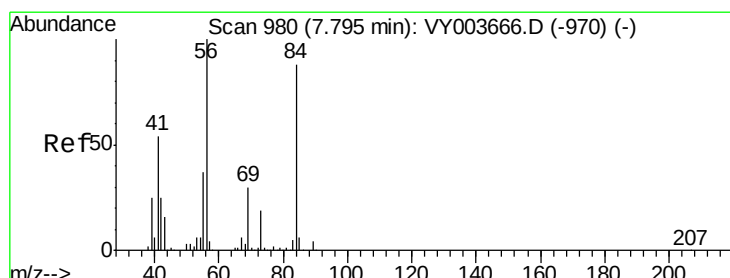
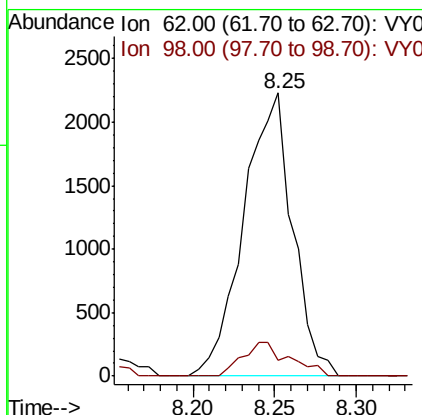
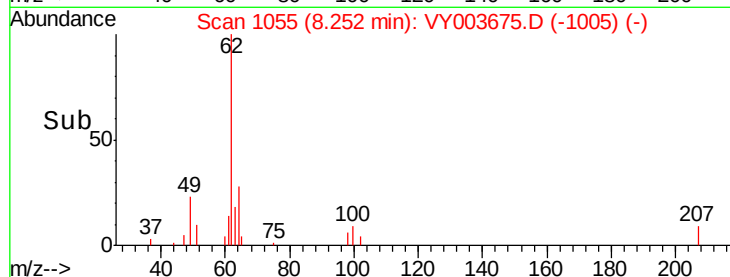
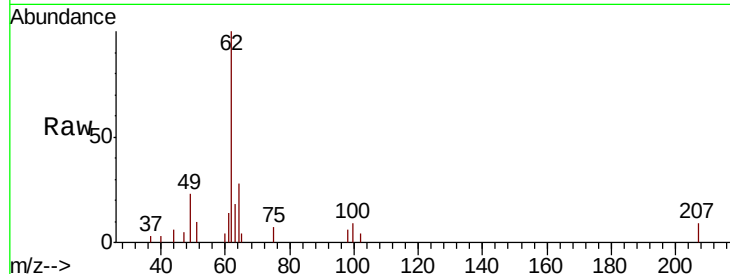




#27
 1,2-Dichloroethane
 Concen: 1.269 ug/L
 RT: 8.25 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

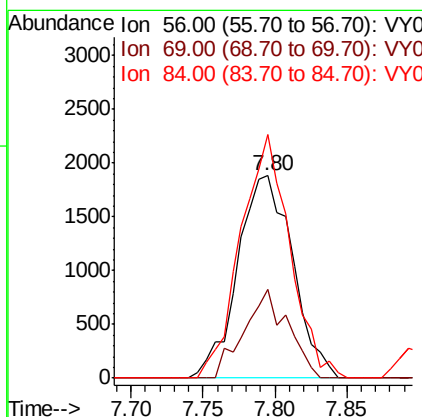
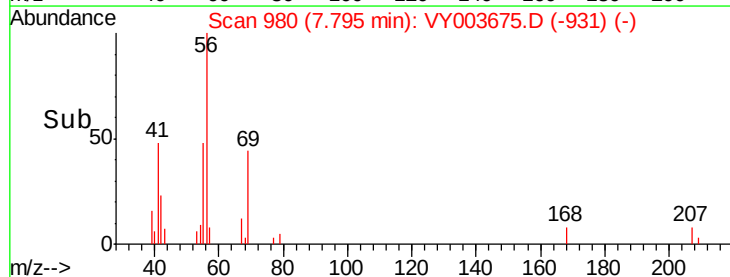
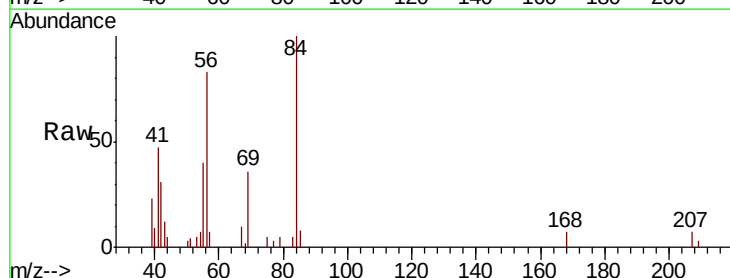
Instrument :
 MSVOA_Y
 ClientSampleId :
 X2S41

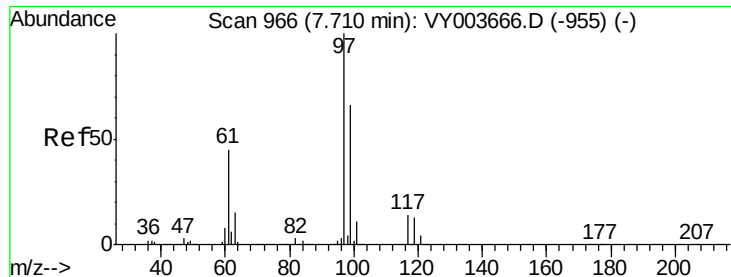
Tot Ion: 62 Resp: 4654
 Ion Ratio Lower Upper
 62 100
 98 5.5 8.3 12.5#



#29
 Cyclohexane
 Concen: 1.005 ug/L
 RT: 7.80 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Tgt Ion: 56 Resp: 5006
 Ion Ratio Lower Upper
 56 100
 69 34.6 25.1 37.7
 84 105.9 70.6 105.8#

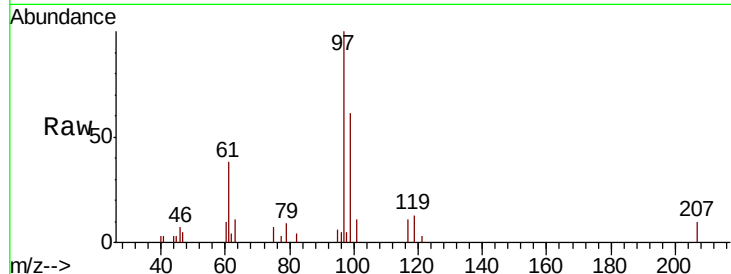




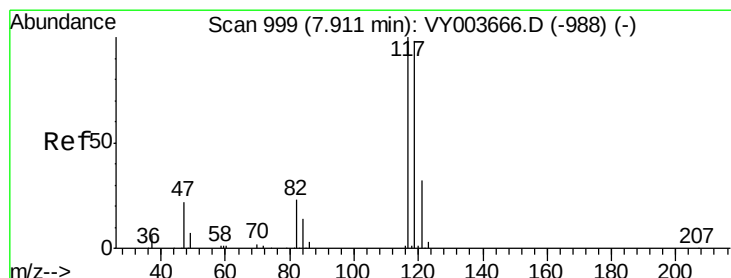
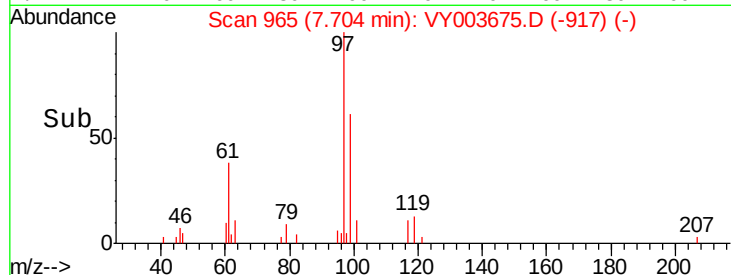
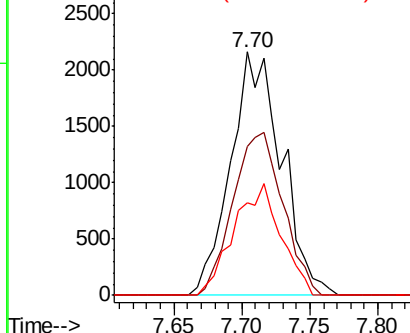
#30
 1,1,1-Trichloroethane
 Concen: 1.164 ug/L
 RT: 7.70 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 X2S41

Tot Ion: 97 Resp: 5657
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.0 76.4#
 61 22.4 34.6 51.8#

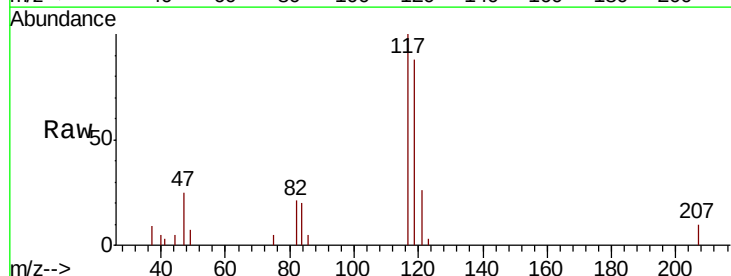


Abundance Ion 97.00 (96.70 to 97.70): VY0
 Ion 99.00 (98.70 to 99.70): VY0
 Ion 61.05 (60.75 to 61.75): VY0

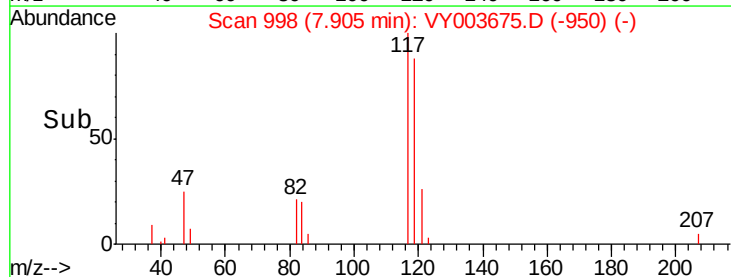
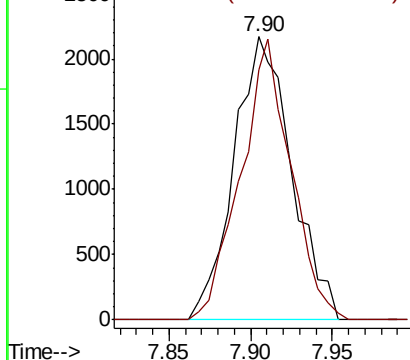


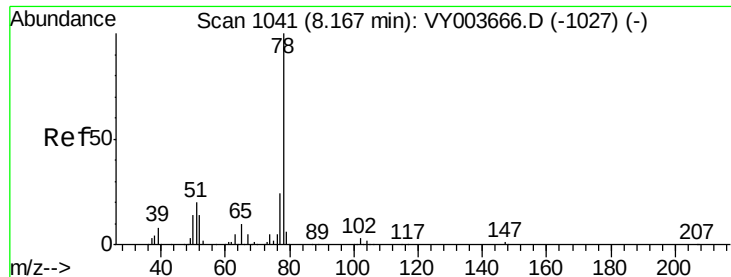
#31
 Carbon tetrachloride
 Concen: 1.209 ug/L
 RT: 7.90 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Tgt Ion: 117 Resp: 5320
 Ion Ratio Lower Upper
 117 100
 119 86.7 72.6 109.0



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 1.342 ug/L

RT: 8.17 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

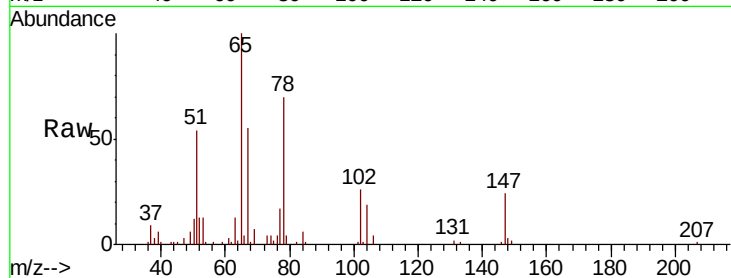
Instrument :

MSVOA_Y

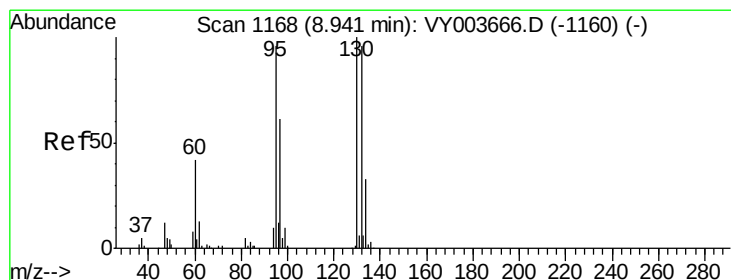
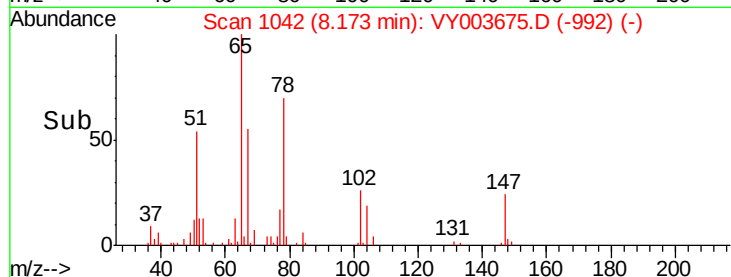
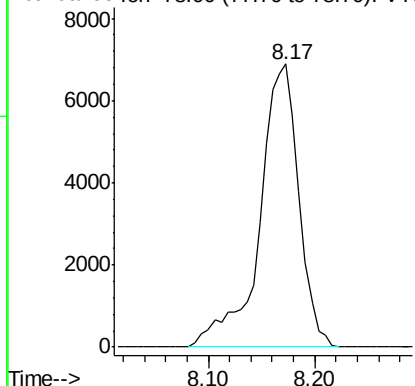
ClientSampleId :

X2S41

Tgt Ion: 78 Resp: 17719



Abundance Ion 78.00 (77.70 to 78.70): VY0



#34

Trichloroethene

Concen: 1.273 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. 0.01 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Tgt Ion: 95 Resp: 4526

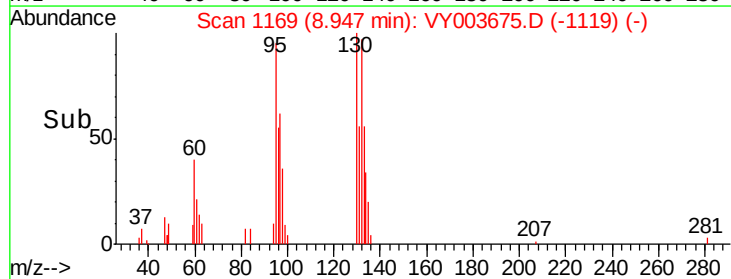
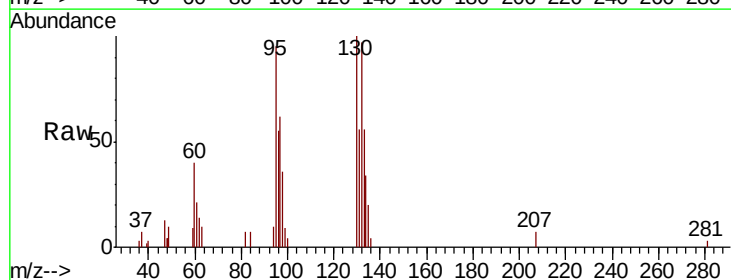
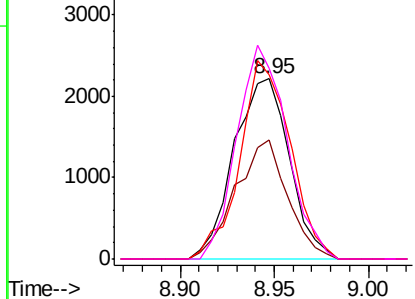
Ion	Ratio	Lower	Upper
95	100		
97	65.7	46.5	86.5
132	102.5	67.5	125.3
130	105.7	77.3	143.5

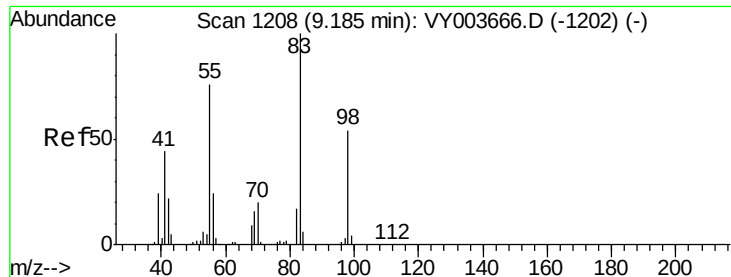
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

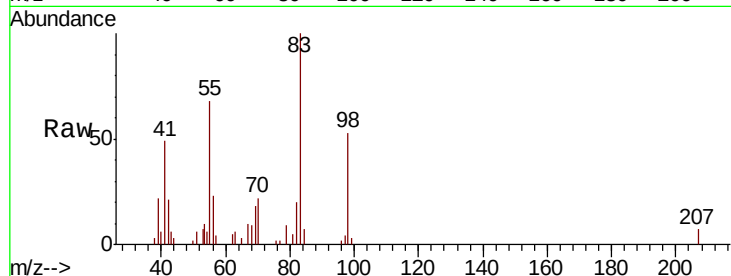




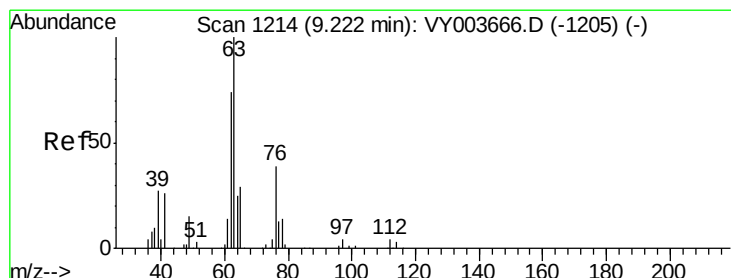
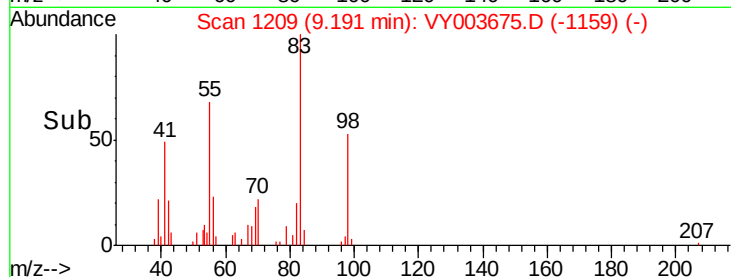
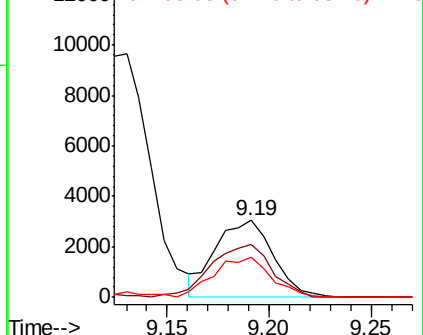
#35
Methylvlcyclohexane
Concen: 1.074 ug/L
RT: 9.19 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VY003675.D
Acq: 07 Dec 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
X2S41

Tot Ion: 83 Resp: 6013
Ion Ratio Lower Upper
83 100
55 72.3 55.6 83.4
98 51.7 38.6 58.0

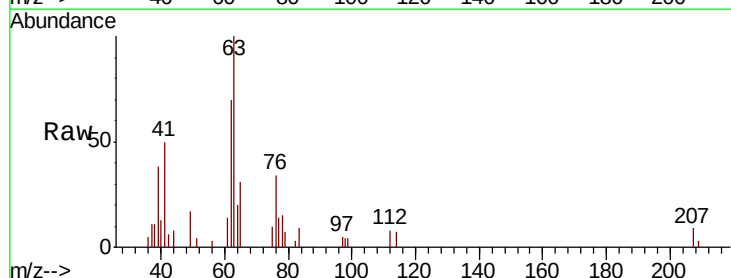


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

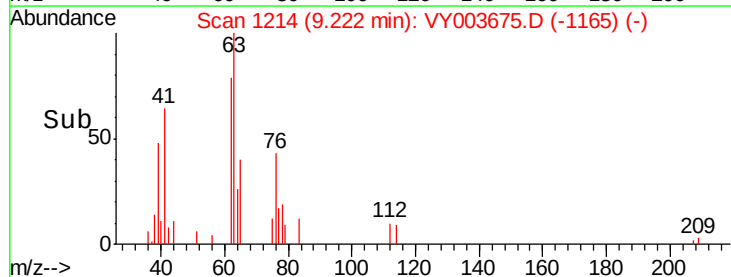
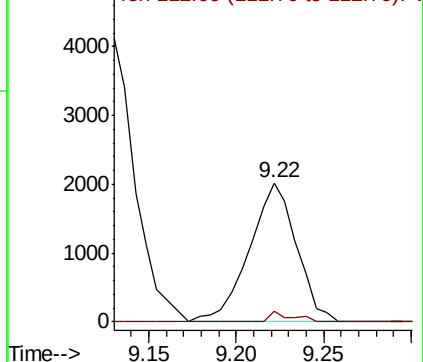


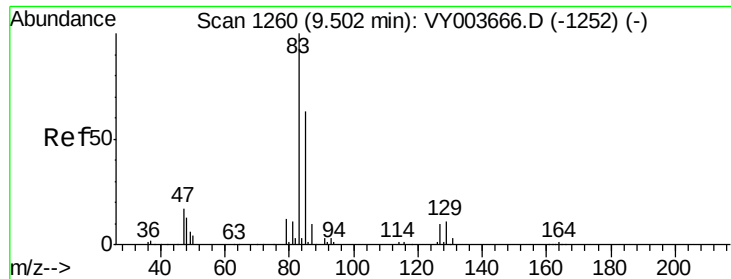
#37
1,2-Dichloropropane
Concen: 1.155 ug/L
RT: 9.22 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VY003675.D
Acq: 07 Dec 2020 17:09

Tgt Ion: 63 Resp: 3812
Ion Ratio Lower Upper
63 100
112 2.9 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 112.00 (111.70 to 112.70): V

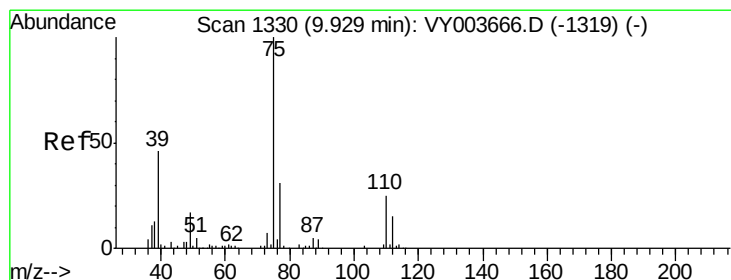
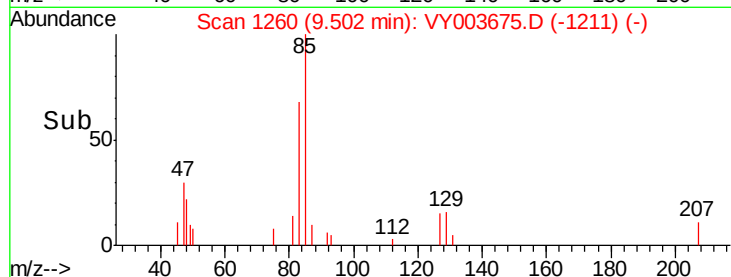
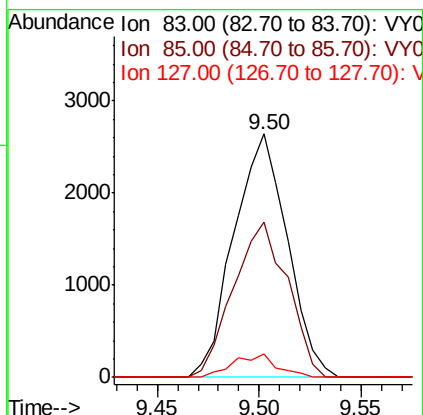
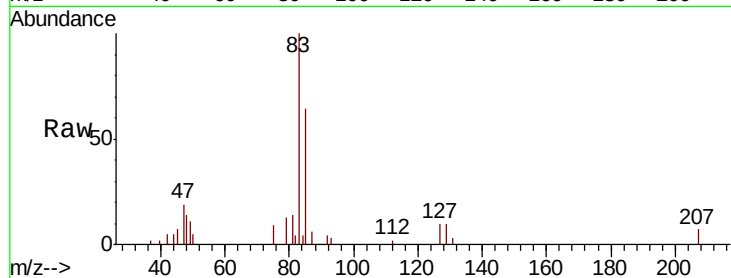




#38
 Bromodichloromethane
 Concen: 1.141 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

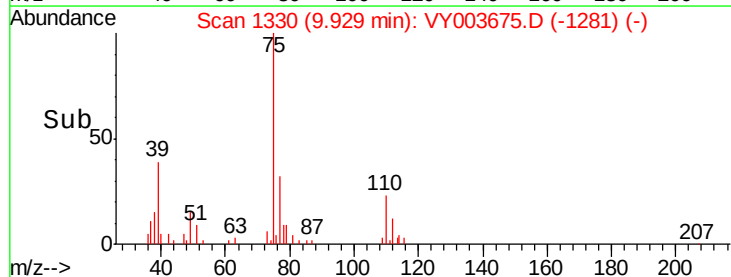
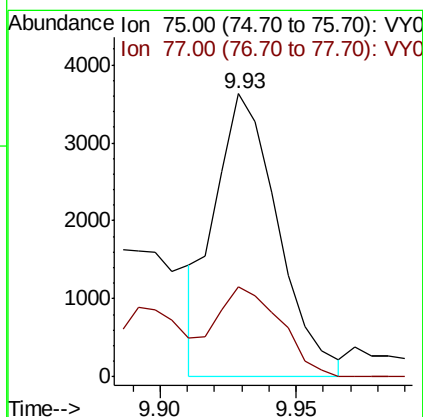
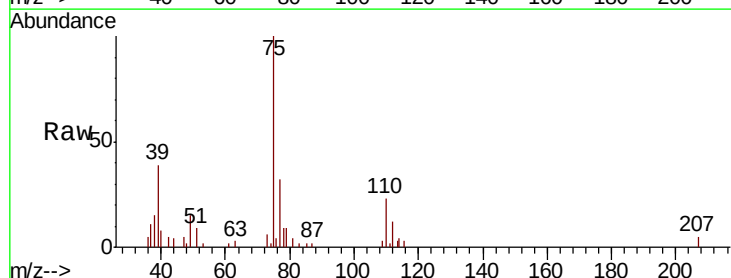
Instrument :
 MSVOA_Y
 ClientSampleId :
 X2S41

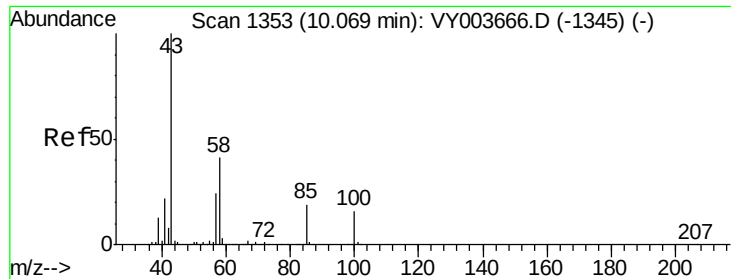
Tot Ion: 83 Resp: 4817
 Ion Ratio Lower Upper
 83 100
 85 63.9 39.3 73.1
 127 9.5 5.7 8.5#



#39
 cis-1,3-Dichloropropene
 Concen: 1.122 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Tgt Ion: 75 Resp: 5840
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.2 43.2

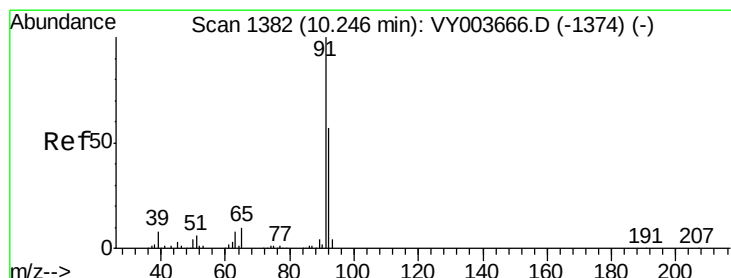
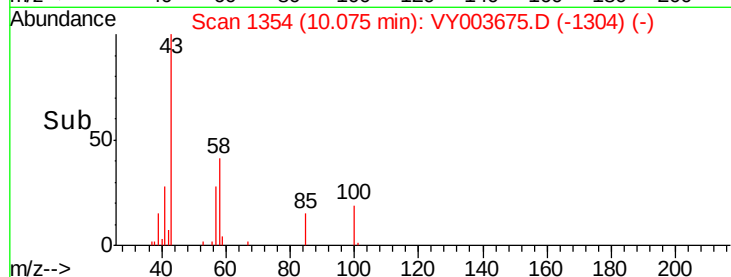
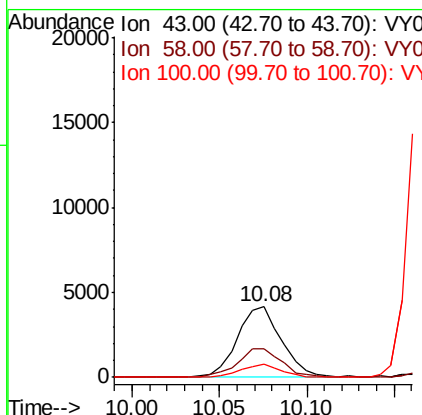
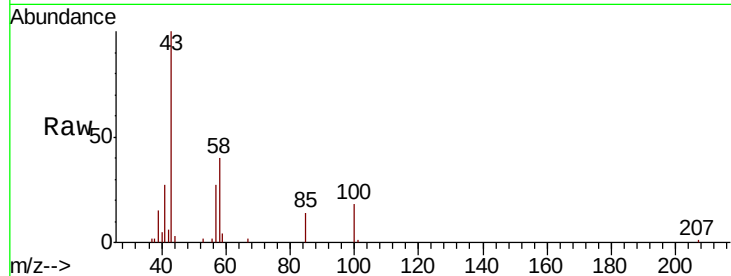




#40
4-Methyl-2-pentanone
Concen: 2.445 ug/L
RT: 10.08 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VY003675.D
Acq: 07 Dec 2020 17:09

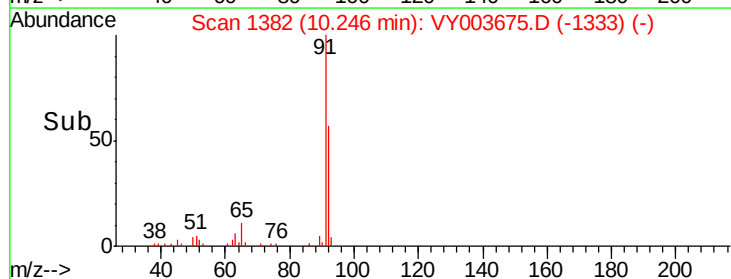
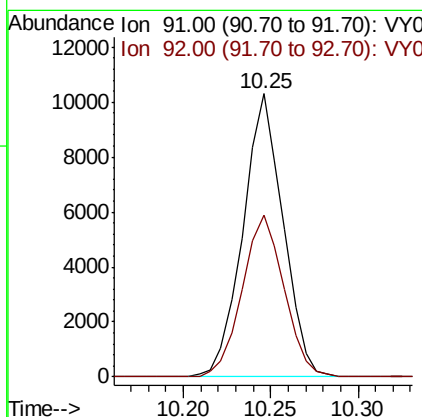
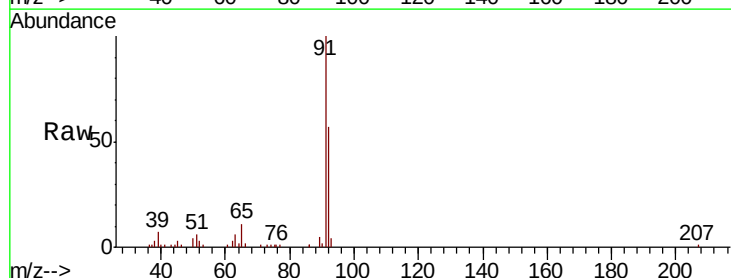
Instrument :
MSVOA_Y
ClientSampled :
X2S41

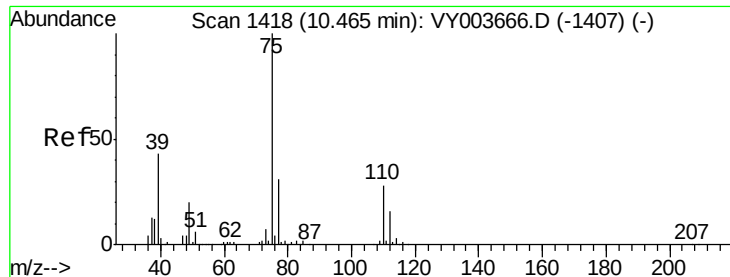
Tot Ion: 43 Resp: 7304
Ion Ratio Lower Upper
43 100
58 40.0 32.6 48.8
100 16.4 13.1 19.7



#42
Toluene
Concen: 1.168 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VY003675.D
Acq: 07 Dec 2020 17:09

Tgt Ion: 91 Resp: 16435
Ion Ratio Lower Upper
91 100
92 56.9 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 1.113 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

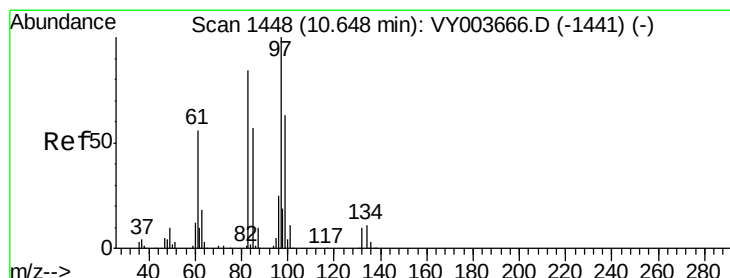
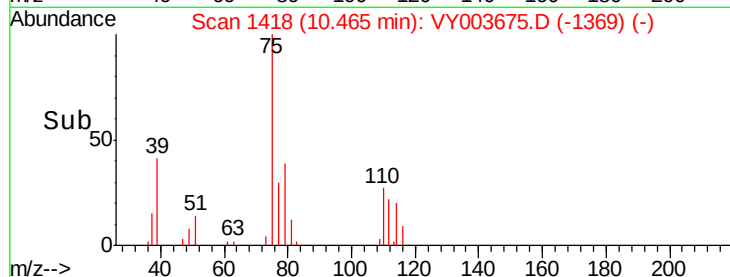
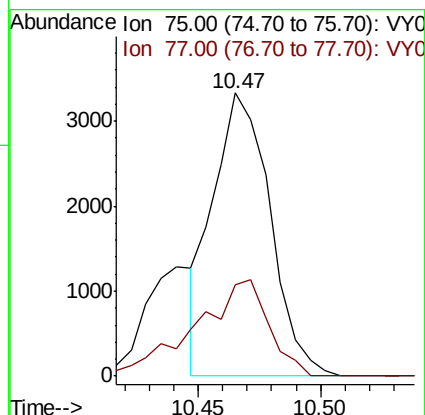
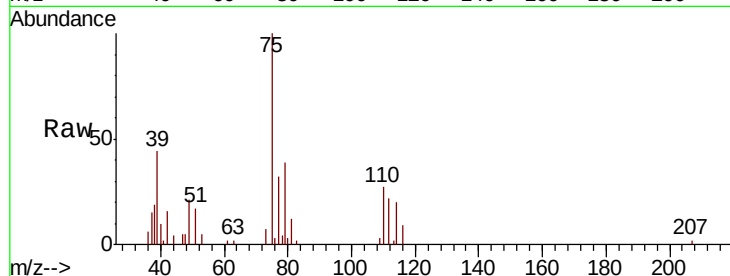
X2S41

Tot Ion: 75 Resp: 5396

Ion Ratio Lower Upper

75 100

77 32.3 24.7 45.9



#45

1,1,2-Trichloroethane

Concen: 1.139 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Tgt Ion: 97 Resp: 3283

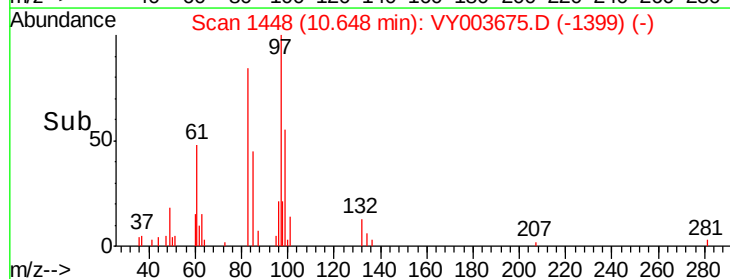
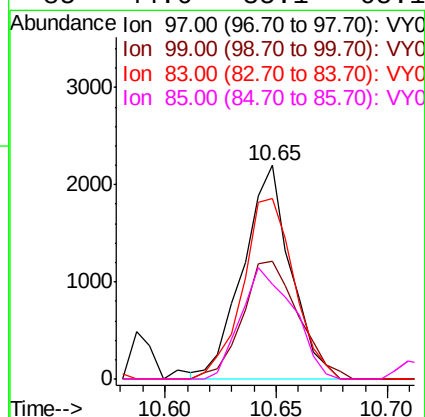
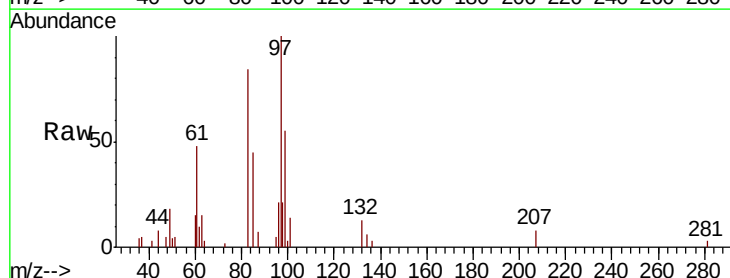
Ion Ratio Lower Upper

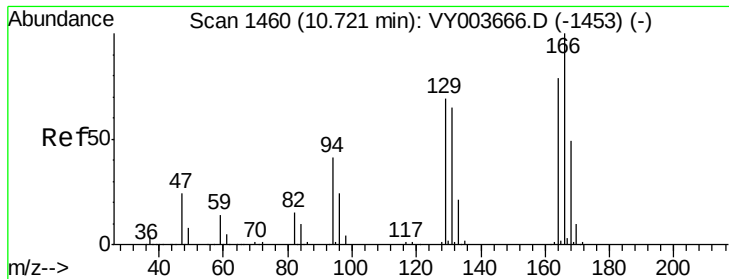
97 100

99 55.4 48.2 89.6

83 84.2 64.8 120.3

85 44.6 35.1 65.1





#46

Tetrachloroethene

Concen: 1.305 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

X2S41

Tot Ion:164 Resp: 3727

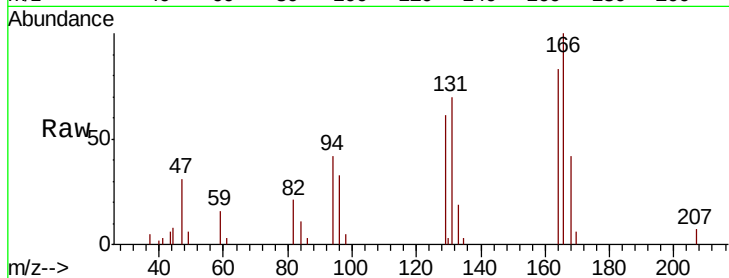
Ion Ratio Lower Upper

164 100

129 73.6 53.4 99.2

131 84.2 60.8 112.8

166 120.6 87.2 162.0

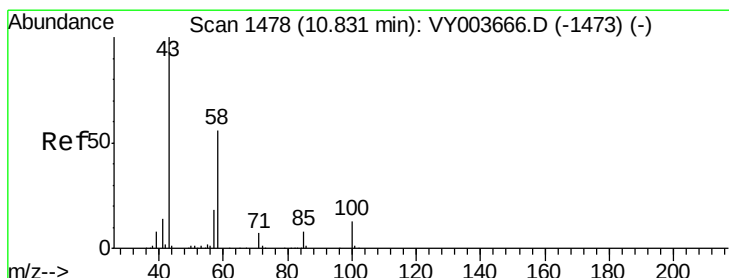
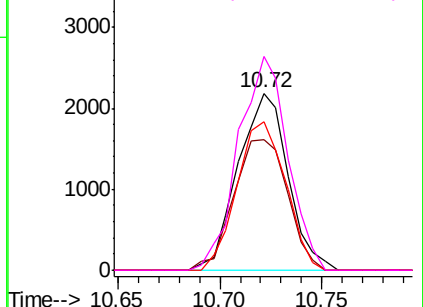
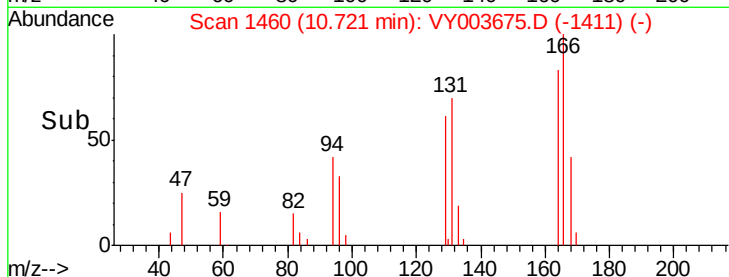


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 2.520 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Tgt Ion: 43 Resp: 5249

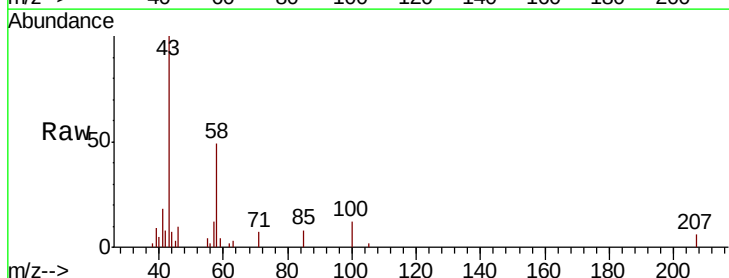
Ion Ratio Lower Upper

43 100

58 54.0 44.3 66.5

57 9.4 12.6 19.0#

100 14.3 10.6 16.0

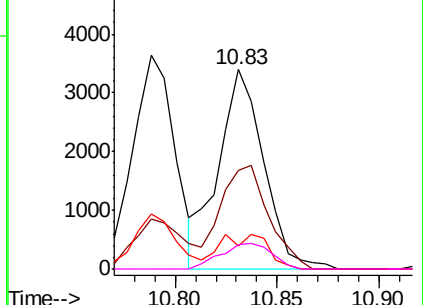
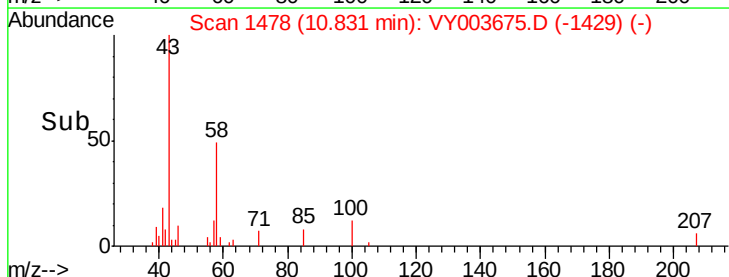


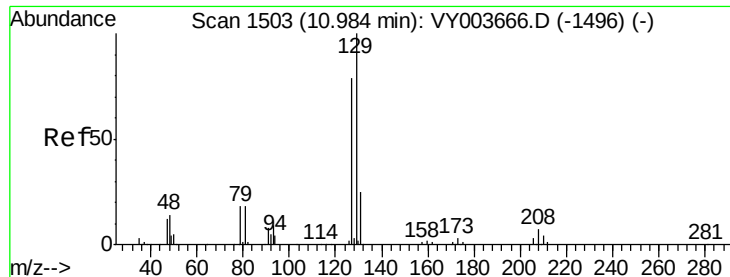
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#49

Dibromochloromethane

Concen: 1.150 ug/L

RT: 10.99 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

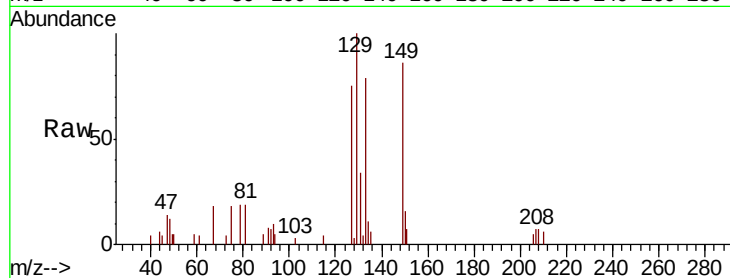
X2S41

Tot Ion:129 Resp: 3819

Ion Ratio Lower Upper

129 100

127 75.2 48.0 89.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

2500

2000

1500

1000

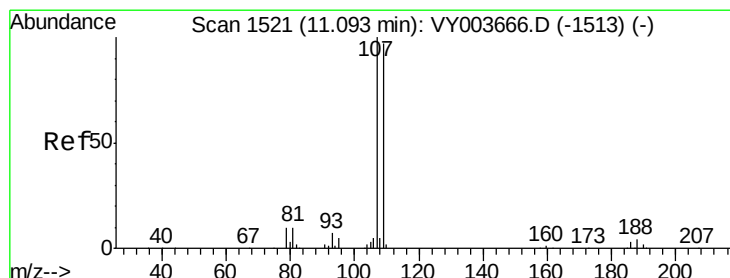
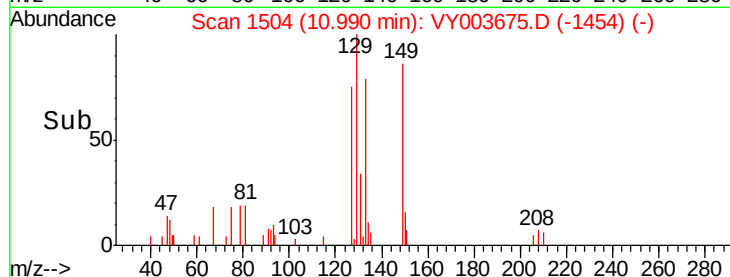
500

0

10.95

11.00

Time-->



#50

1,2-Dibromoethane

Concen: 1.170 ug/L

RT: 11.09 min Scan# 1521

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

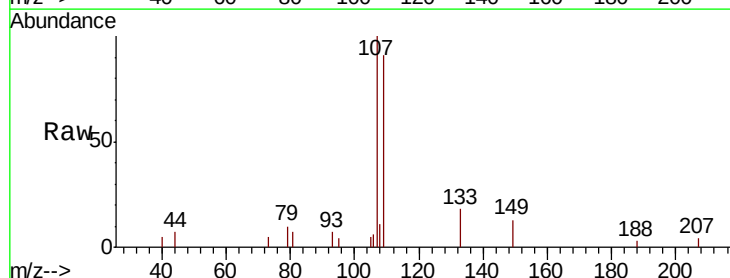
Tgt Ion:107 Resp: 3252

Ion Ratio Lower Upper

107 100

109 91.5 61.9 114.9

188 3.3 2.1 3.1#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

2500

2000

1500

1000

500

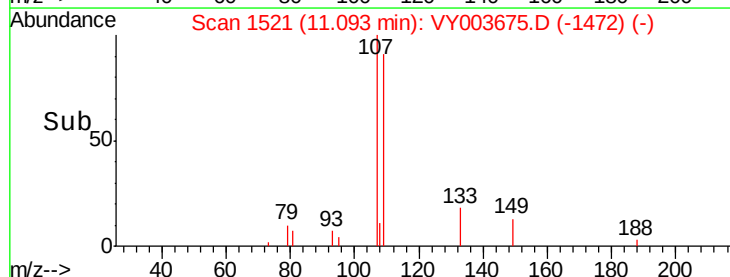
0

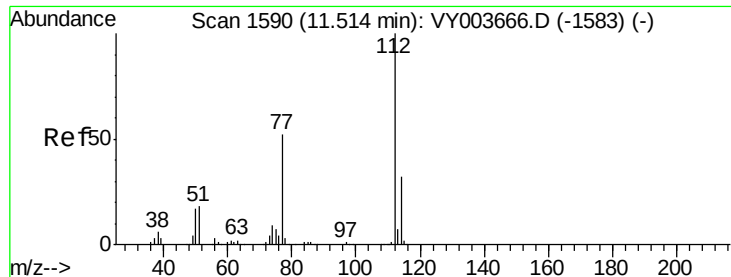
11.05

11.10

11.15

Time-->





#51

Chlorobenzene

Concen: 1.154 ug/L

RT: 11.52 min Scan# 1591

Delta R.T. 0.01 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampled :

X2S41

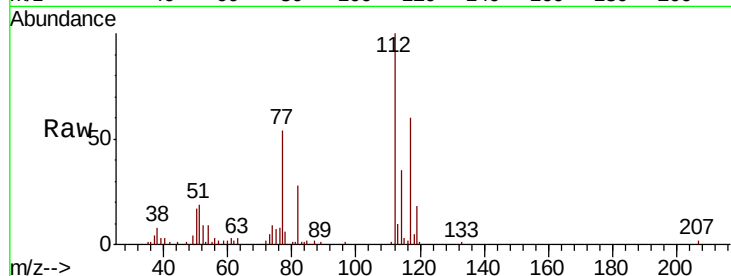
Tot Ion:112 Resp: 10727

Ion Ratio Lower Upper

112 100

114 34.9 22.0 40.8

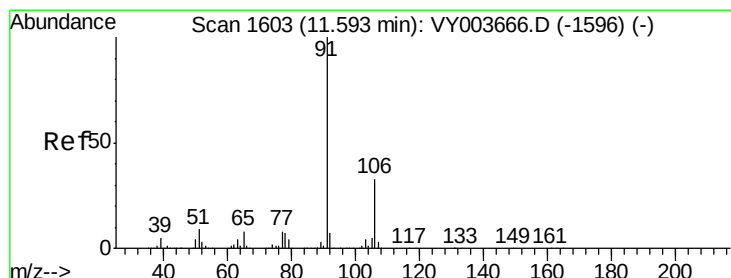
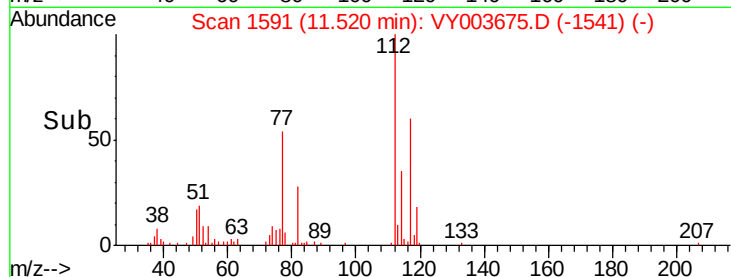
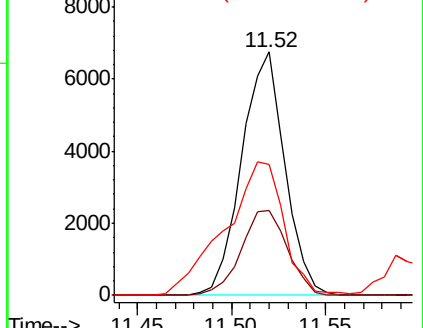
77 53.7 38.4 57.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.101 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003675.D

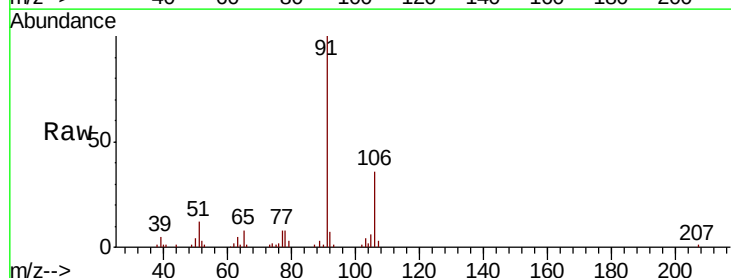
Acq: 07 Dec 2020 17:09

Tgt Ion: 91 Resp: 16707

Ion Ratio Lower Upper

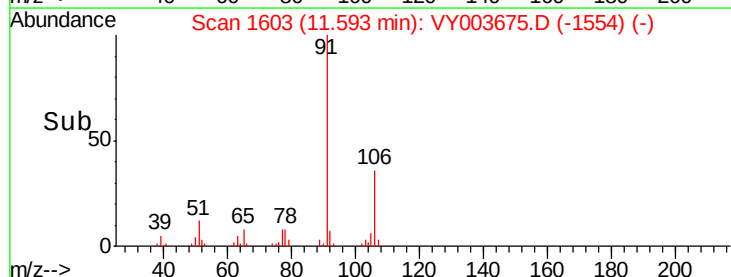
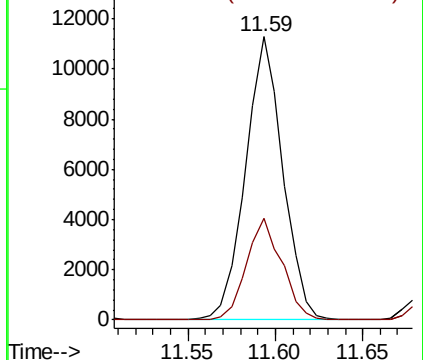
91 100

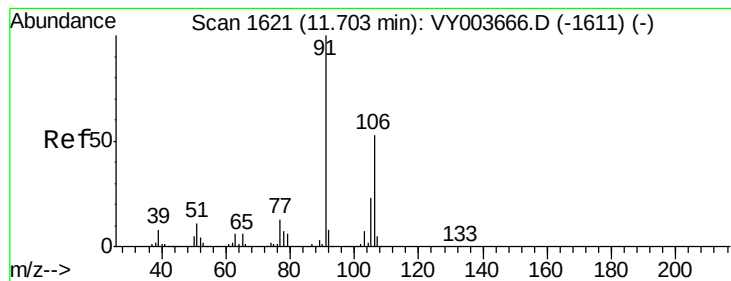
106 35.8 23.7 43.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.118 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

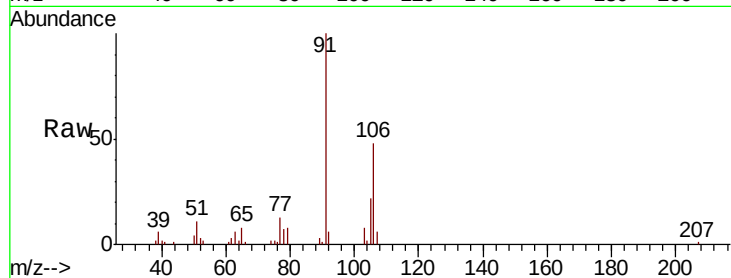
X2S41

Tot Ion:106 Resp: 6637

Ion Ratio Lower Upper

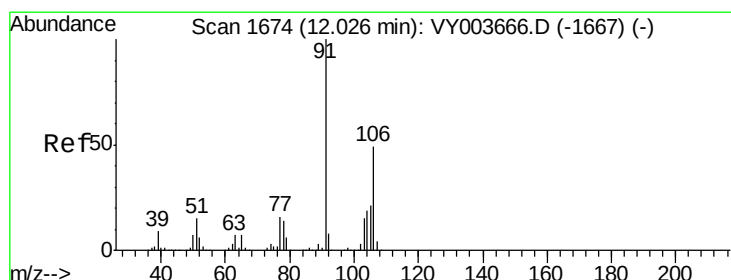
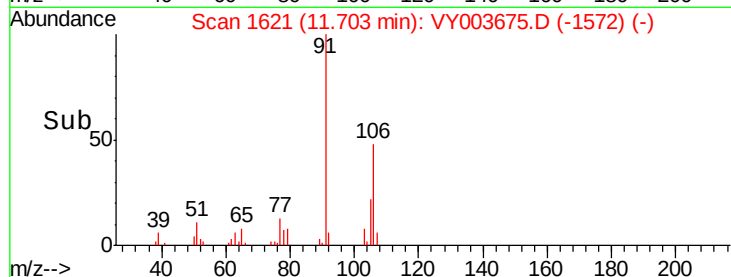
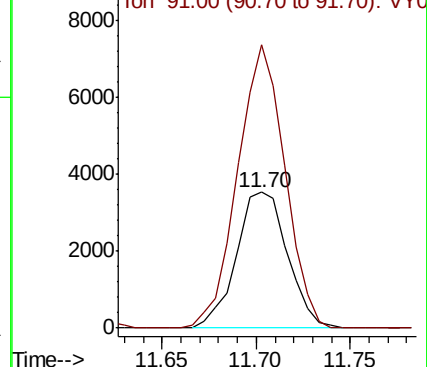
106 100

91 208.0 132.7 246.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#54

o-Xylene

Concen: 1.121 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VY003675.D

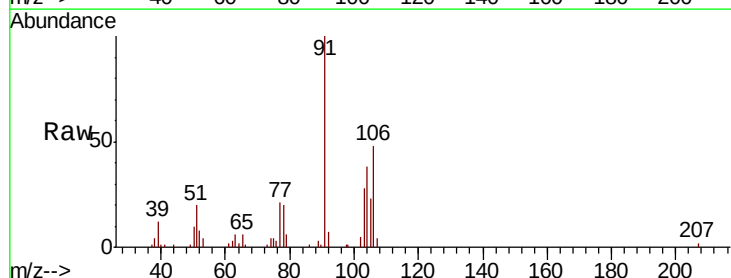
Acq: 07 Dec 2020 17:09

Tgt Ion:106 Resp: 6361

Ion Ratio Lower Upper

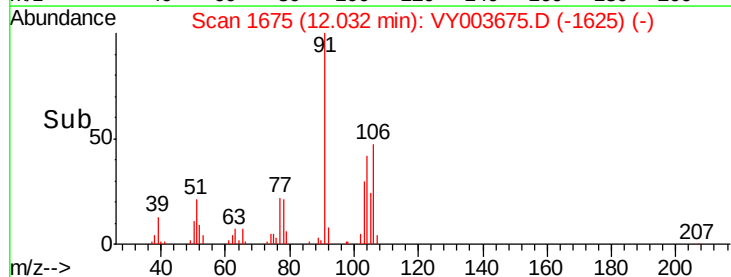
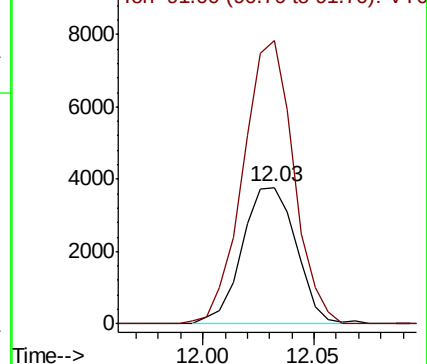
106 100

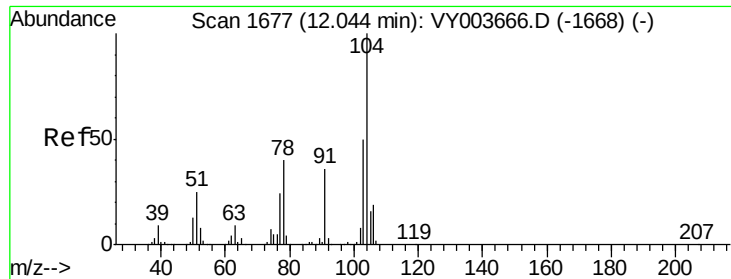
91 207.3 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

Stvrene

Concen: 1.041 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

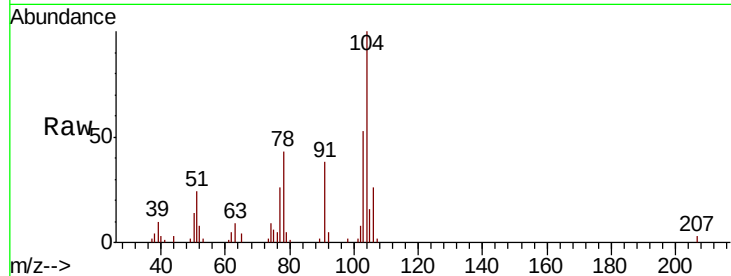
X2S41

Tot Ion:104 Resp: 10084

Ion Ratio Lower Upper

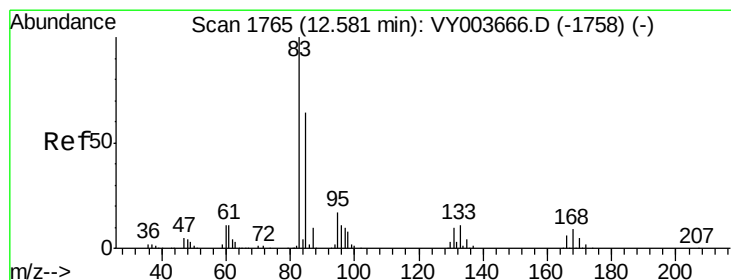
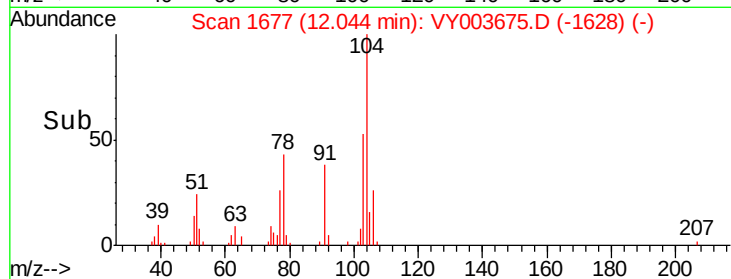
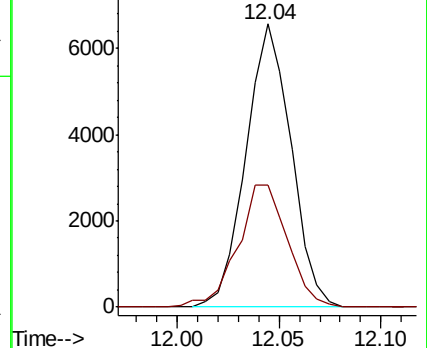
104 100

78 43.0 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): VY003666.D (-1668) (-)

Ion 78.00 (77.70 to 78.70): VY003666.D (-1668) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 1.403 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

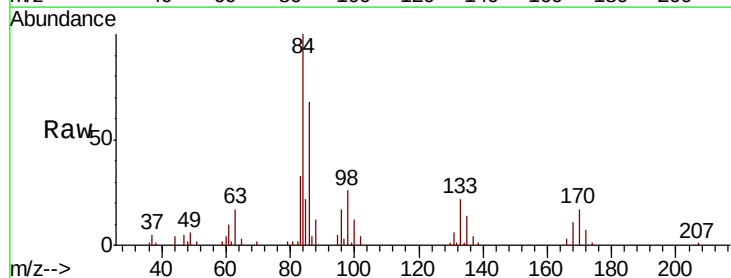
Tgt Ion: 83 Resp: 4386

Ion Ratio Lower Upper

83 100

85 67.1 46.4 86.2

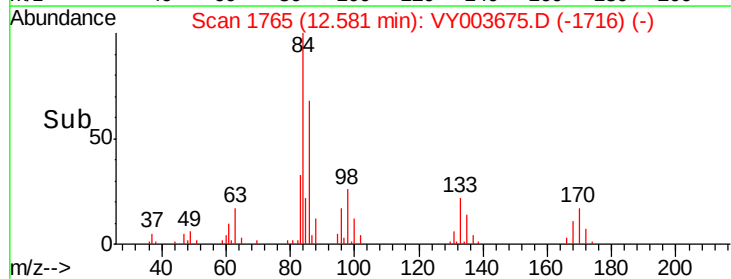
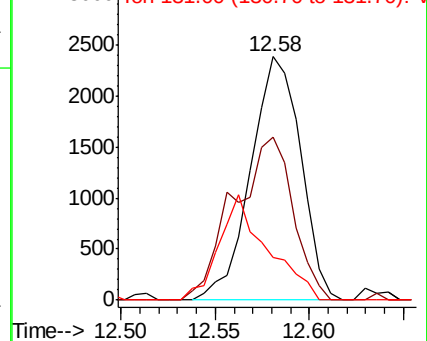
131 17.3 8.0 12.0#

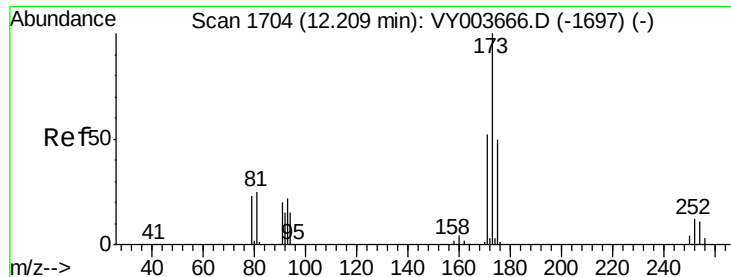


Abundance Ion 83.00 (82.70 to 83.70): VY003666.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003666.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003666.D (-1758) (-)





#59

Bromoform

Concen: 1.226 ug/L

RT: 12.21 min Scan# 1705

Delta R.T. 0.01 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

X2S41

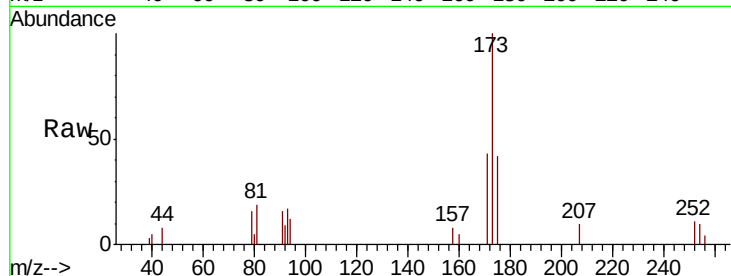
Tot Ion:173 Resp: 2660

Ion Ratio Lower Upper

173 100

175 44.5 41.2 61.8

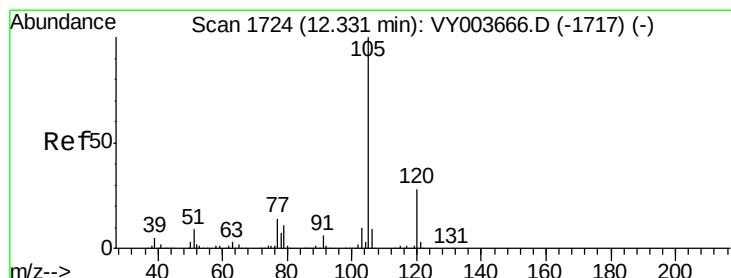
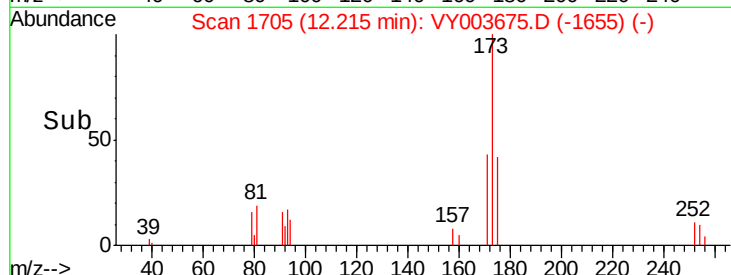
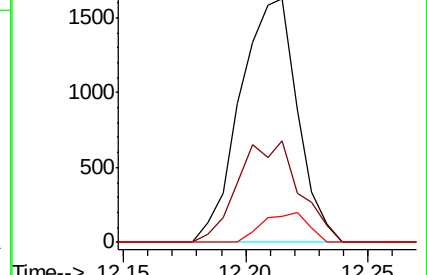
254 9.7 3.2 4.8#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 1.091 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

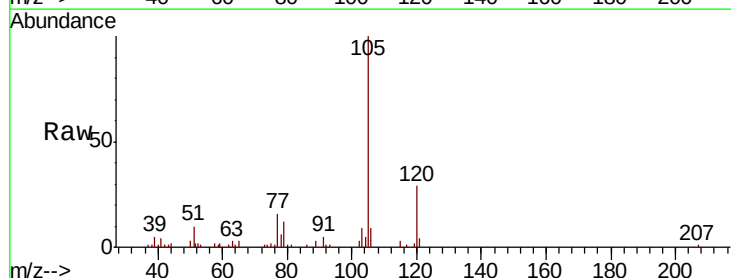
Tgt Ion:105 Resp: 15447

Ion Ratio Lower Upper

105 100

120 29.1 22.6 33.8

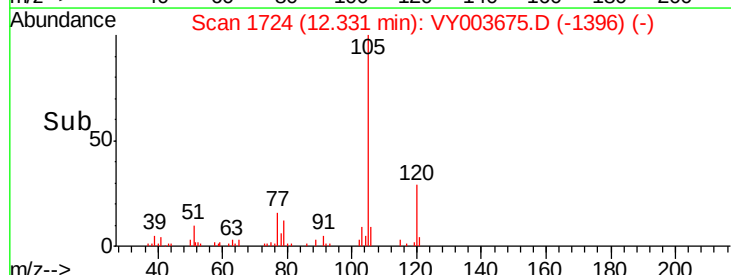
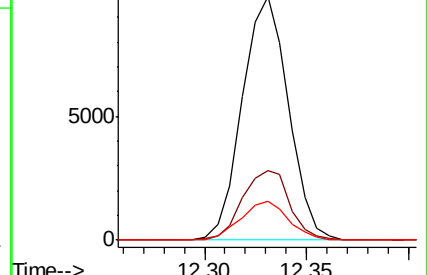
77 16.4 11.9 17.9

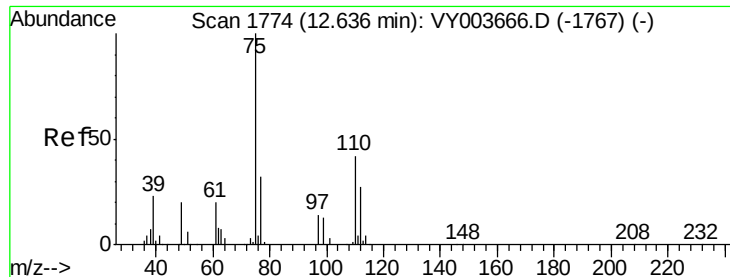


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

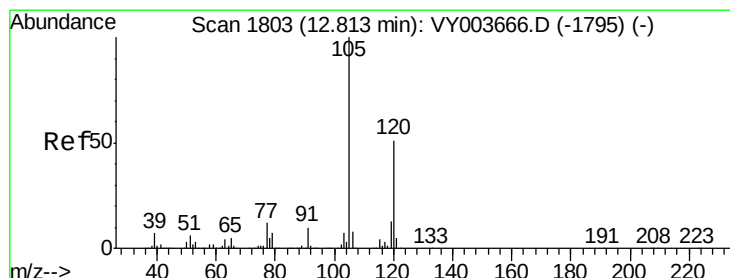
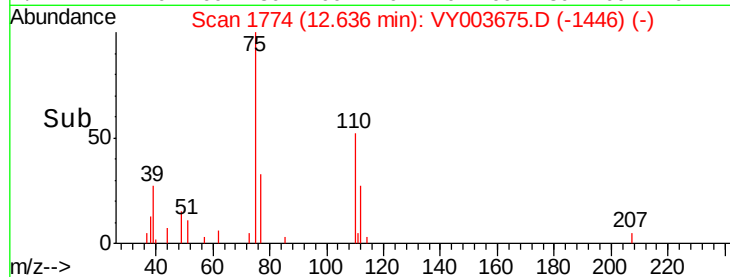
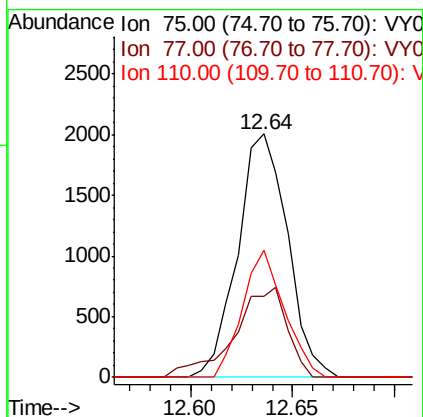
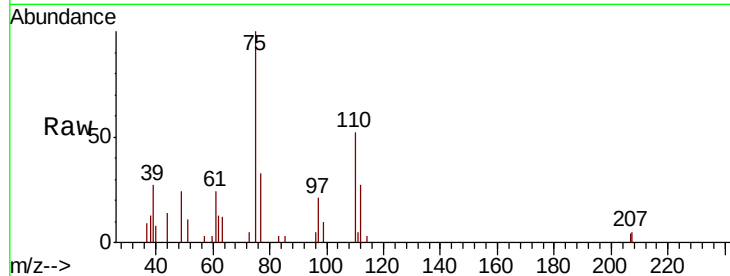




#61
 1,2,3-Trichloropropane
 Concen: 1.313 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

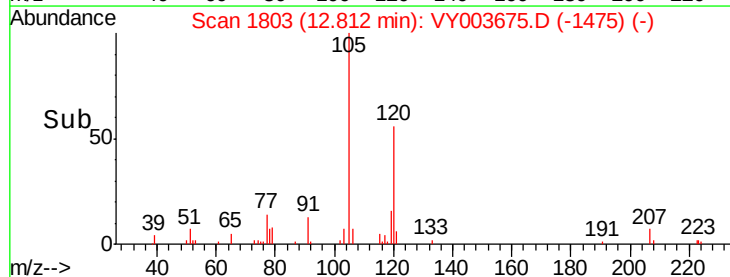
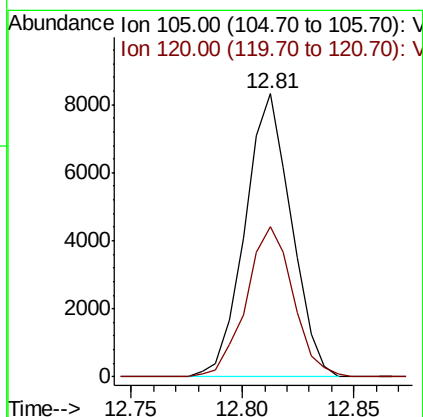
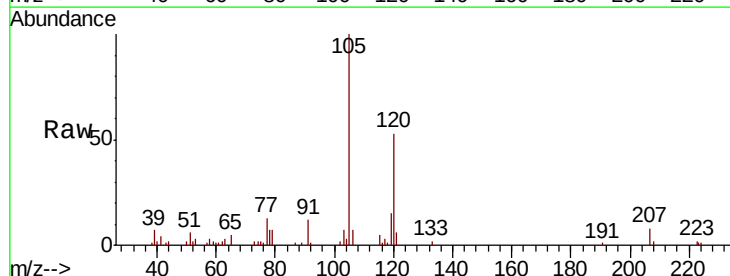
Instrument :
 MSVOA_Y
 ClientSampled :
 X2S41

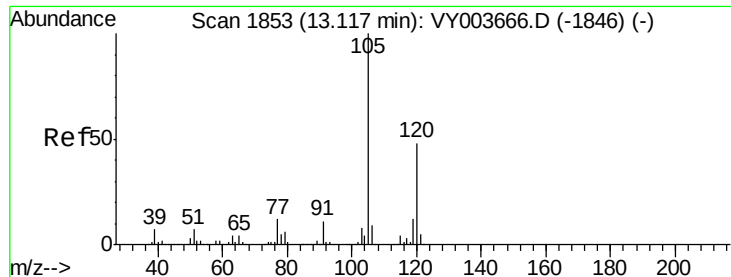
Tot Ion: 75 Resp: 3409
 Ion Ratio Lower Upper
 75 100
 77 39.2 29.0 43.6
 110 43.7 33.3 49.9



#62
 1,3,5-Trimethylbenzene
 Concen: 1.075 ug/L
 RT: 12.81 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Tgt Ion: 105 Resp: 12067
 Ion Ratio Lower Upper
 105 100
 120 53.5 42.2 63.2

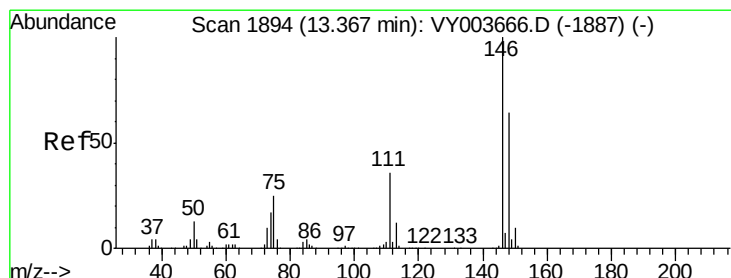
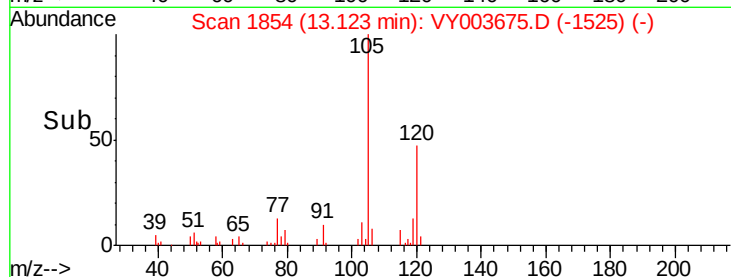
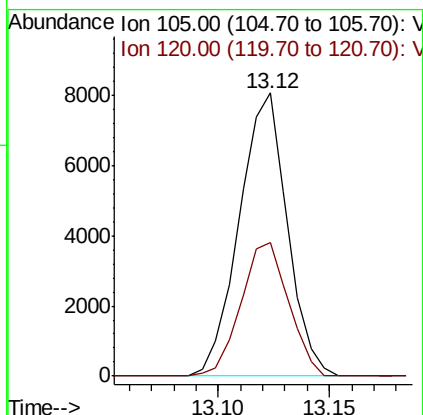
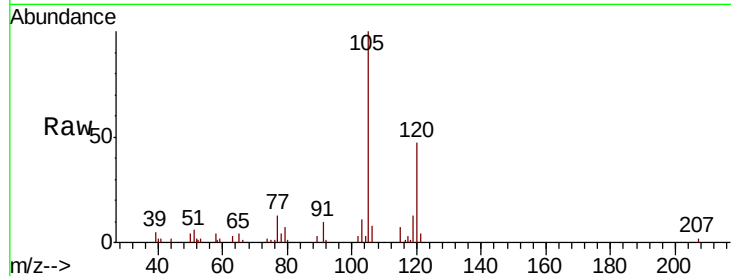




#63
 1,2,4-Trimethylbenzene
 Concen: 1.084 ug/L
 RT: 13.12 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

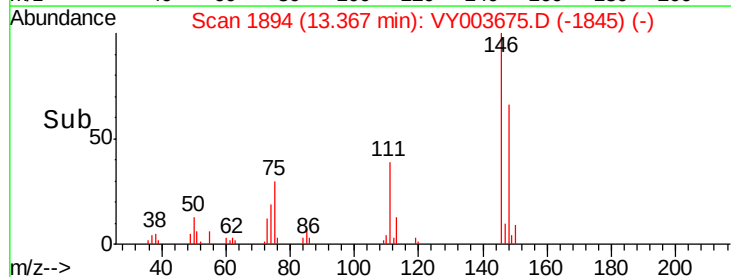
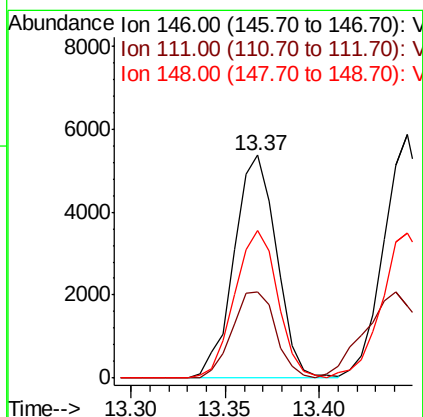
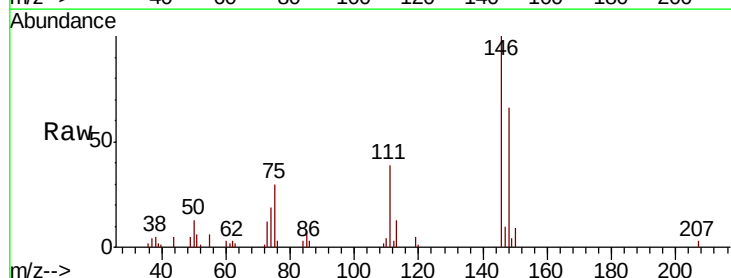
Instrument :
 MSVOA_Y
 ClientSampled :
 X2S41

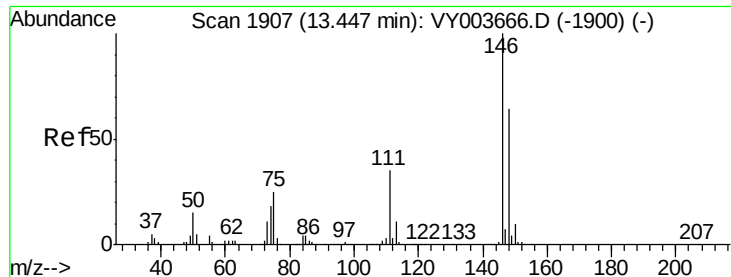
Tot Ion:105 Resp: 12088
 Ion Ratio Lower Upper
 105 100
 120 46.8 39.0 58.6



#64
 1,3-Dichlorobenzene
 Concen: 1.225 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Tgt Ion:146 Resp: 8404
 Ion Ratio Lower Upper
 146 100
 111 38.6 25.3 47.1
 148 66.2 41.4 76.8

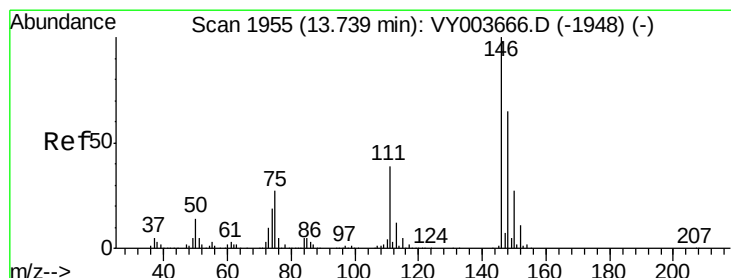
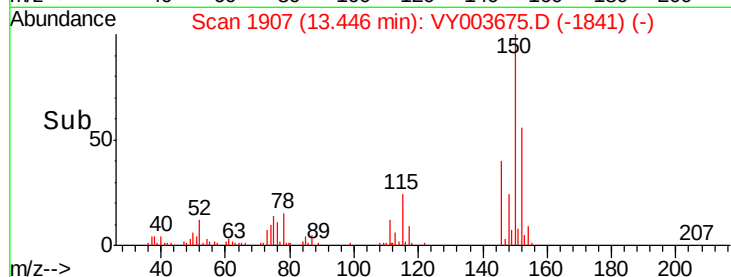
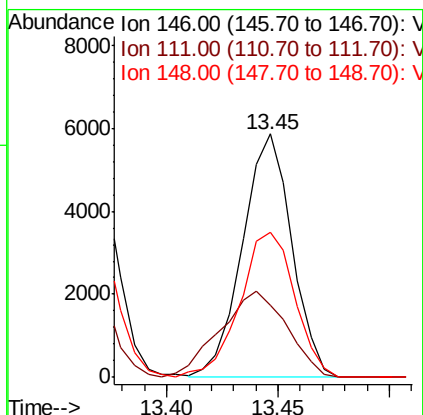
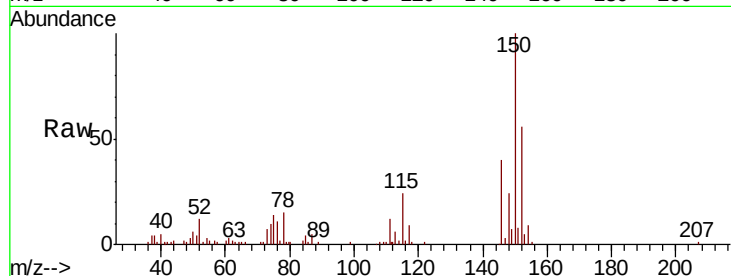




#65
 1,4-Dichlorobenzene
 Concen: 1.306 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

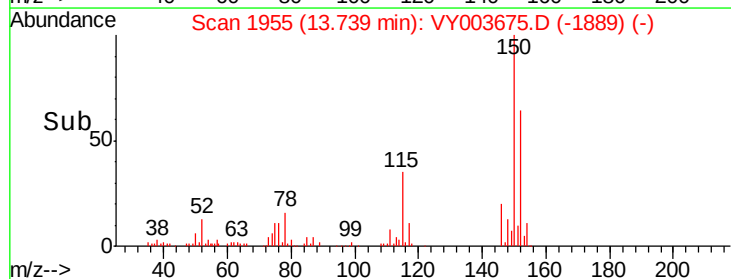
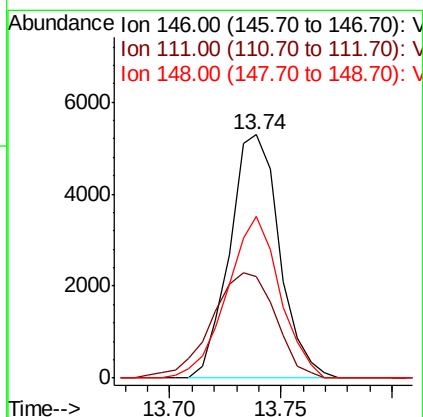
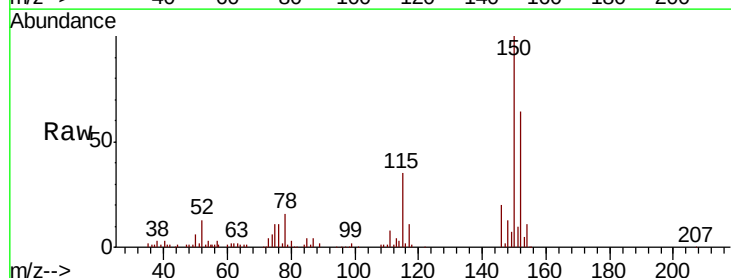
Instrument :
 MSVOA_Y
 ClientSampleId :
 X2S41

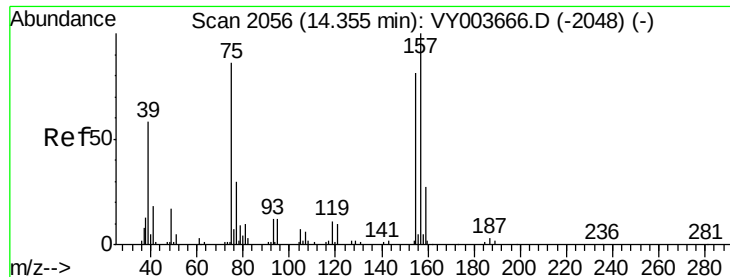
Tot Ion	Ratio	Lower	Upper
146	100		
111	32.3	26.9	50.1
148	59.6	44.9	83.3



#67
 1,2-Dichlorobenzene
 Concen: 1.293 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	32.5	48.7
148	66.4	48.8	73.2





#68

1,2-Dibromo-3-chloropropane

Concen: 1.913 ug/L

RT: 14.50 min Scan# 2080

Delta R.T. 0.15 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

X2S41

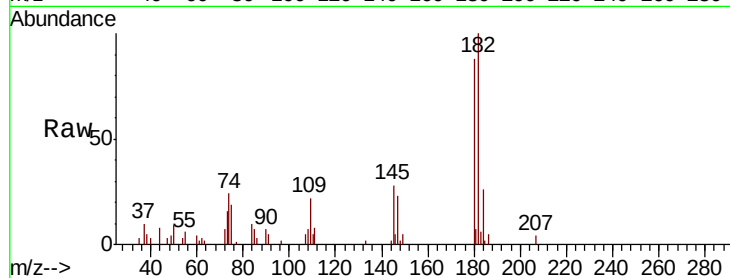
Tot Ion: 75 Resp: 1091

Ion Ratio Lower Upper

75 100

155 0.0 69.5 104.3#

157 0.0 111.3 166.9#

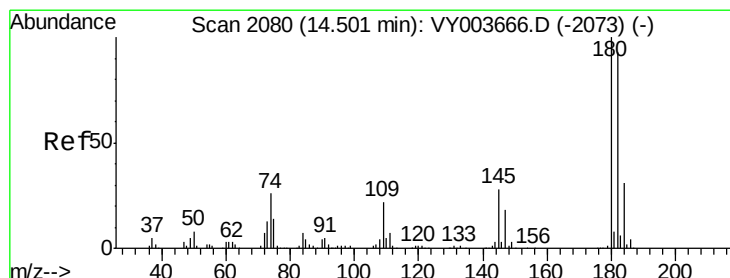
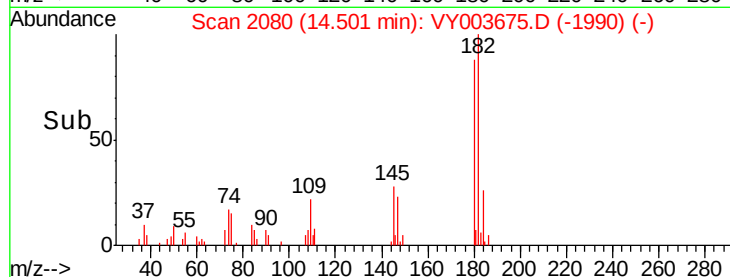
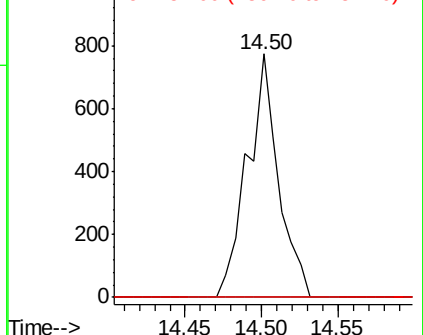


Abundance

Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#69

1,3,5-Trichlorobenzene

Concen: 1.304 ug/L

RT: 14.51 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VY003675.D

Acq: 07 Dec 2020 17:09

Tgt Ion: 180 Resp: 6341

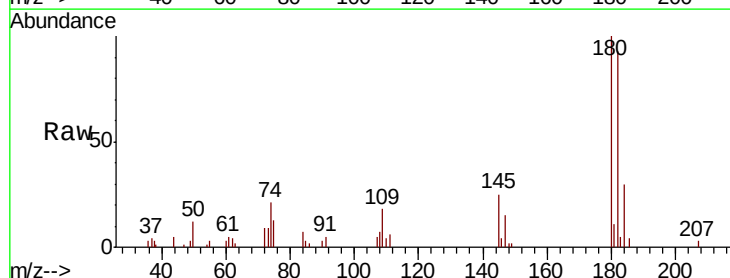
Ion Ratio Lower Upper

180 100

182 93.6 80.1 120.1

184 31.5 24.4 36.6

145 29.2 22.9 34.3



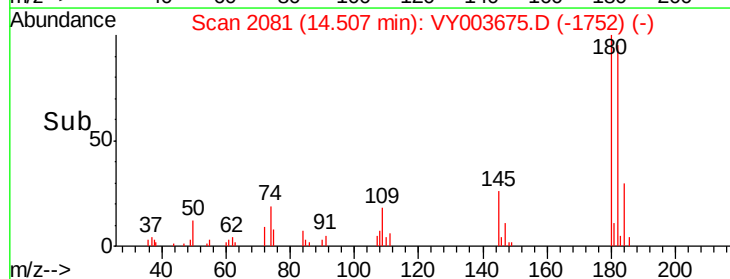
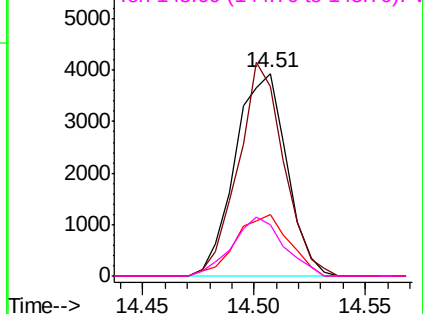
Abundance

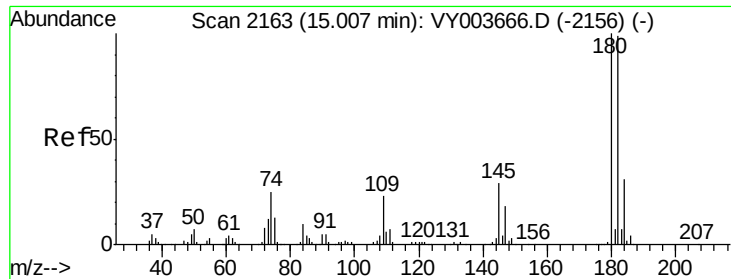
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

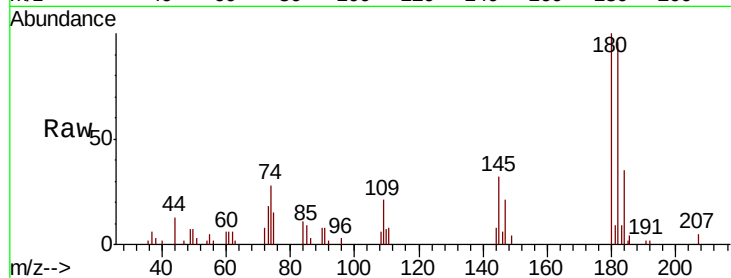




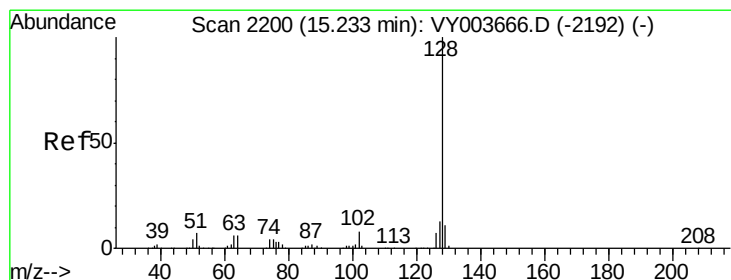
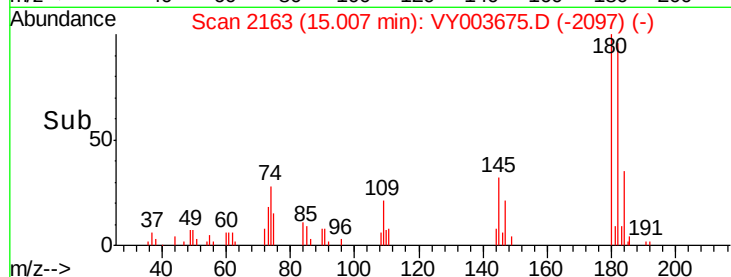
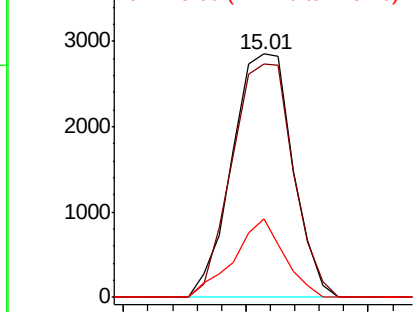
#70
 1,2,4-trichlorobenzene
 Concen: 1.188 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 X2S41

Tot Ion:180 Resp: 4912
 Ion Ratio Lower Upper
 180 100
 182 96.8 81.5 122.3
 145 26.7 22.3 33.5

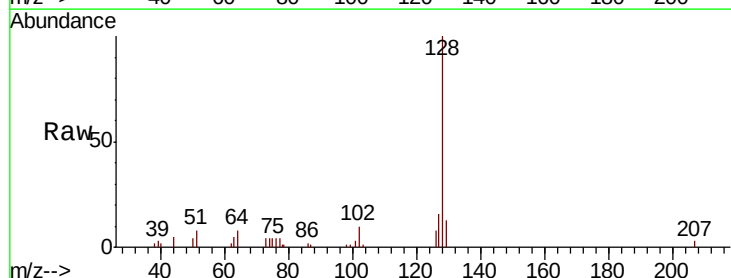


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

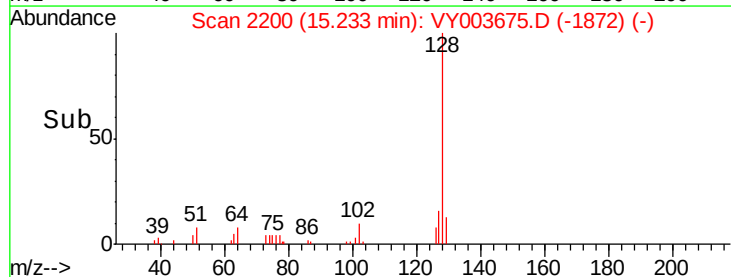
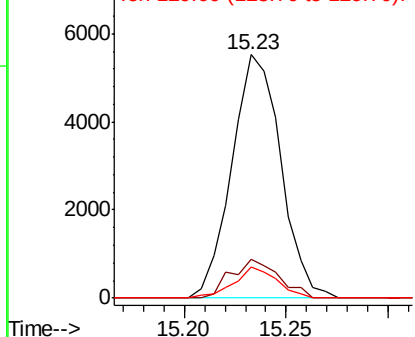


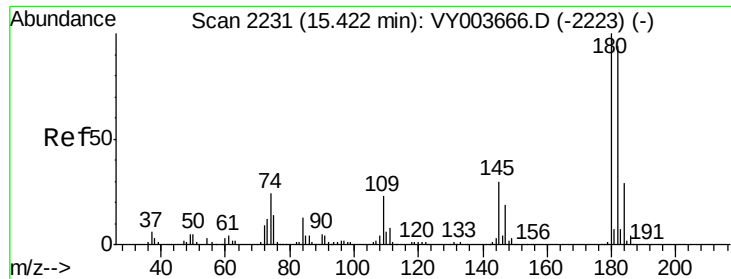
#71
 Naphthalene
 Concen: 1.049 ug/L
 RT: 15.23 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Tgt Ion:128 Resp: 9204
 Ion Ratio Lower Upper
 128 100
 127 15.5 10.2 15.4#
 129 11.2 9.4 14.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#72
 1,2,3-Trichlorobenzene
 Concen: 1.341 ug/L
 RT: 15.43 min Scan# 2232
 Delta R.T. 0.01 min
 Lab File: VY003675.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 X2S41

Tot Ion:180 Resp: 5082
 Ion Ratio Lower Upper
 180 100
 182 90.3 78.7 118.1
 145 30.2 24.6 37.0

