

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123020\
 Data File : VY003865.D
 Acq On : 30 Dec 2020 14:08
 Operator : SY/MD
 Sample : L4485-05
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 03:19:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 31 03:17:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	326394	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	306511	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	170184	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	93054	16.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.40%
7) Chloroethane-d5	2.77	69	83578	19.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.52%
11) 1,1-Dichloroethene-d2	3.86	63	127630	13.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.56%
21) 2-Butanone-d5	6.89	46	100216	47.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.44%
24) Chloroform-d	7.48	84	180519	20.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.08%
26) 1,2-Dichloroethane-d4	8.14	65	120780	21.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.12%
32) Benzene-d6	8.11	84	336523	19.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.00%
36) 1,2-Dichloropropane-d6	9.12	67	108770	21.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.56%
41) Toluene-d8	10.18	98	306279	18.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.92%
43) trans-1,3-Dichloropropene-	10.43	79	57797	20.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.52%
47) 2-Hexanone-d5	10.79	63	71782	46.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.10%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	113372	22.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.76%
66) 1,2-Dichlorobenzene-d4	13.72	152	130876	21.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	7352	1.345 ug/L	96
3) Chloromethane	2.12	50	8270	1.351 ug/L	97
5) Vinyl chloride	2.25	62	7553	1.163 ug/L	85
6) Bromomethane	2.66	94	4754	1.197 ug/L	89
9) Trichlorofluoromethane	3.13	101	10229	1.179 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	4819	1.057 ug/L #	66
12) 1,1-Dichloroethene	3.88	96	5303	1.239 ug/L #	1
13) Acetone	3.95	43	4887	3.120 ug/L	61
14) Carbon disulfide	4.19	76	13917	0.966 ug/L	98
15) Methyl Acetate	4.48	43	4061	1.127 ug/L #	71
16) Methylene chloride	4.73	84	15619	2.984 ug/L	95
17) trans-1,2-Dichloroethene	5.22	96	3416	0.730 ug/L	80
18) Methyl tert-butyl Ether	5.23	73	14227	1.029 ug/L #	78
19) 1,1-Dichloroethane	6.03	63	9355	1.106 ug/L #	93
20) cis-1,2-Dichloroethene	6.98	96	5660	1.118 ug/L	92
23) Bromochloromethane	7.34	128	2808	1.122 ug/L	92
27) 1,2-Dichloroethane	8.24	62	7853	1.140 ug/L #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

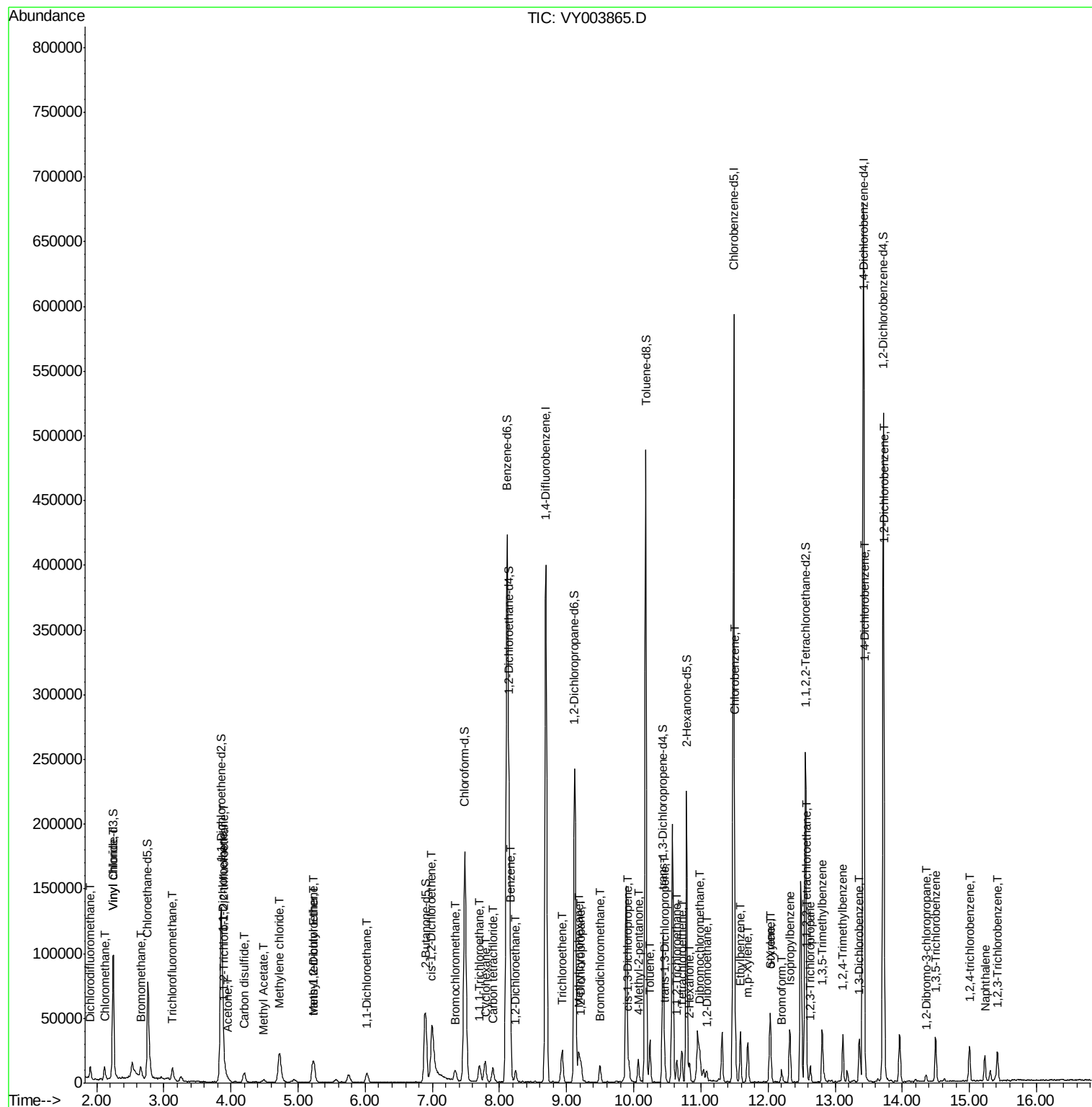
29) Cyclohexane	7.79	56	8475	1.055	ug/L	98
30) 1,1,1-Trichloroethane	7.70	97	9202	1.115	ug/L #	70
31) Carbon tetrachloride	7.90	117	7890	1.034	ug/L	94
33) Benzene	8.17	78	21616	1.154	ug/L	100
34) Trichloroethene	8.94	95	6086	1.175	ug/L	97
35) Methylcyclohexane	9.18	83	8563	1.016	ug/L	92
37) 1,2-Dichloropropane	9.22	63	5759	1.207	ug/L	98
38) Bromodichloromethane	9.50	83	7164	1.066	ug/L #	92
39) cis-1,3-Dichloropropene	9.92	75	8325	1.022	ug/L	90
40) 4-Methyl-2-pentanone	10.07	43	11758	2.309	ug/L	98
42) Toluene	10.24	91	22833	1.102	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	11927	1.516	ug/L	96
45) 1,1,2-Trichloroethane	10.65	97	4610	1.125	ug/L	91
46) Tetrachloroethene	10.72	164	4990	1.114	ug/L	83
48) 2-Hexanone	10.83	43	8615	2.322	ug/L	97
49) Dibromochloromethane	10.98	129	5435	1.048	ug/L	93
50) 1,2-Dibromoethane	11.09	107	4261	1.053	ug/L #	92
51) Chlorobenzene	11.51	112	15535	1.159	ug/L	96
52) Ethylbenzene	11.59	91	25128	1.082	ug/L	99
53) m,p-Xylene	11.70	106	9289	1.055	ug/L	79
54) o-Xylene	12.03	106	8837	1.031	ug/L	93
55) Styrene	12.04	104	15103	1.019	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	5991	1.236	ug/L #	94
59) Bromoform	12.20	173	4149	1.130	ug/L #	97
60) Isopropylbenzene	12.32	105	22649	1.007	ug/L #	95
61) 1,2,3-Trichloropropane	12.63	75	4851	1.161	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	19994	1.070	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	18416	0.973	ug/L	95
64) 1,3-Dichlorobenzene	13.36	146	12968	1.190	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	13298	1.205	ug/L	97
67) 1,2-Dichlorobenzene	13.73	146	11600	1.137	ug/L #	90
68) 1,2-Dibromo-3-chloropropan	14.35	75	1354	1.303	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.50	180	10360	1.219	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	8512	1.182	ug/L	98
71) Naphthalene	15.23	128	16380	1.089	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	7334	1.153	ug/L	98

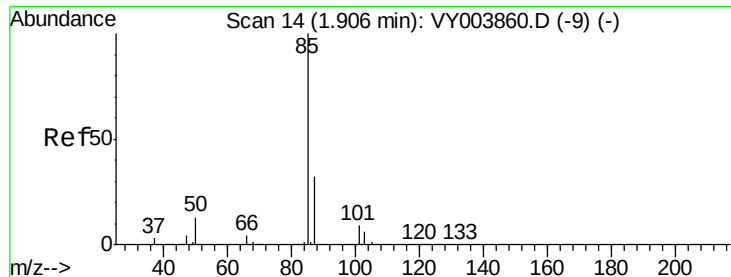
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.345 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

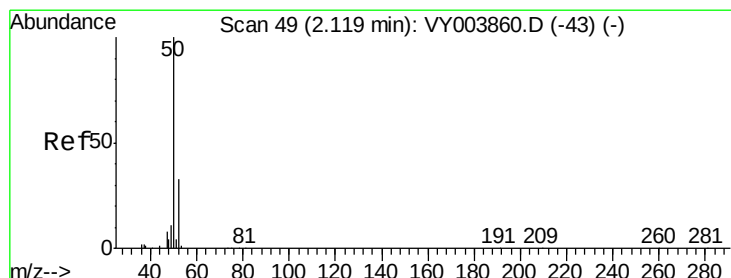
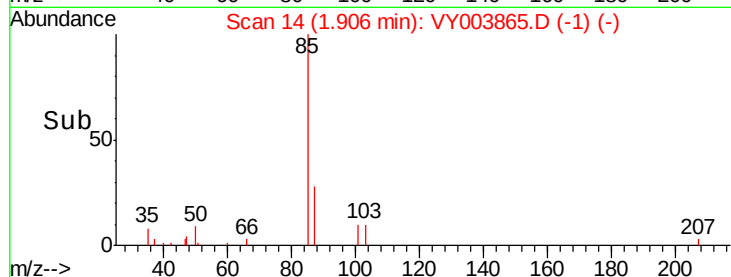
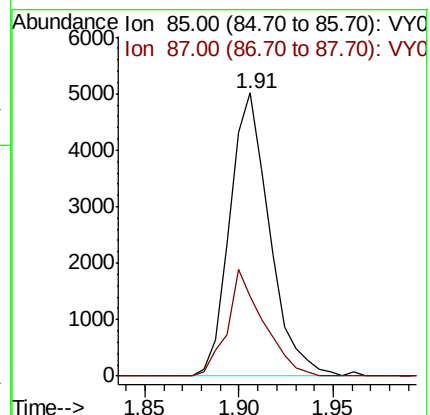
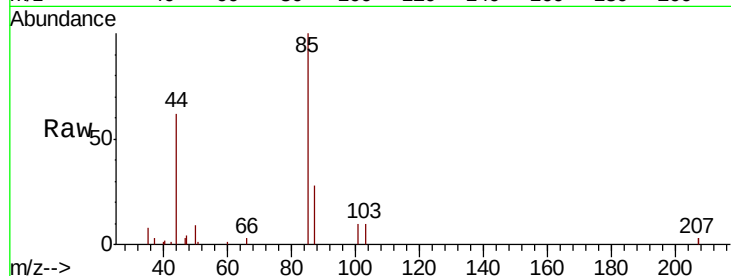
ClientSampleId :

Tot Ion: 85 Resp: 7352

Ion Ratio Lower Upper

85 100

87 34.1 25.4 38.2



#3

Chloromethane

Concen: 1.351 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003865.D

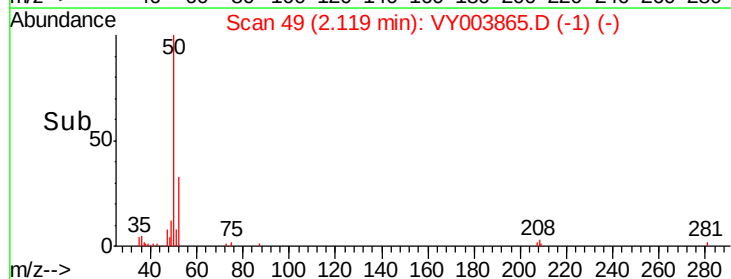
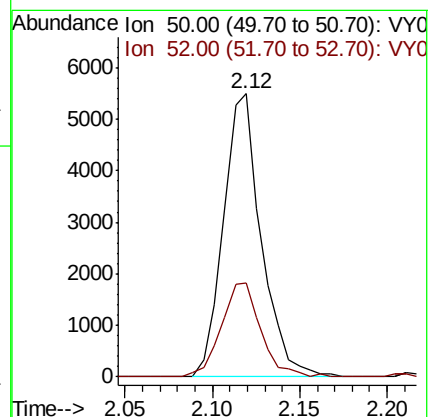
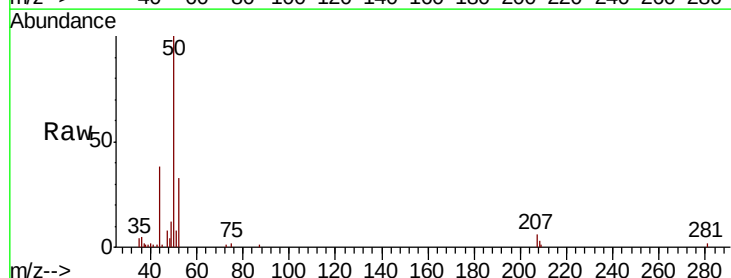
Acq: 30 Dec 2020 14:08

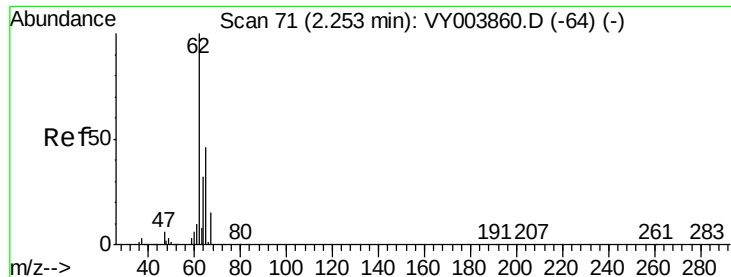
Tgt Ion: 50 Resp: 8270

Ion Ratio Lower Upper

50 100

52 33.0 22.0 41.0





#5

Vinyl chloride

Concen: 1.163 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

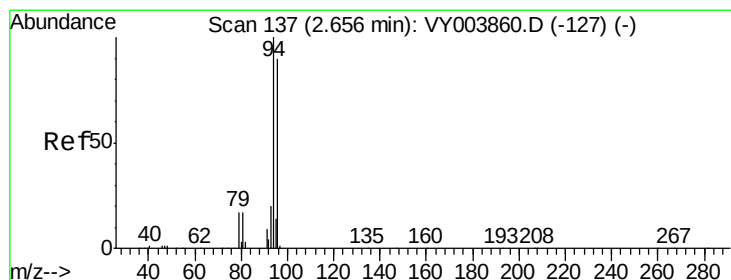
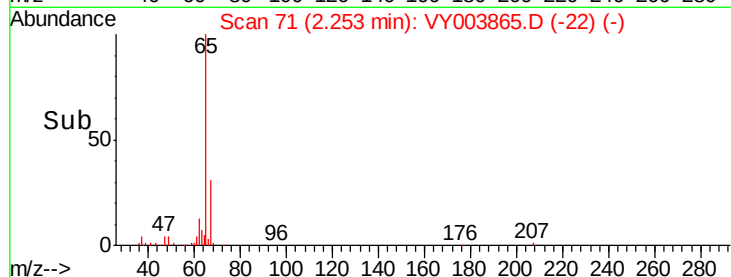
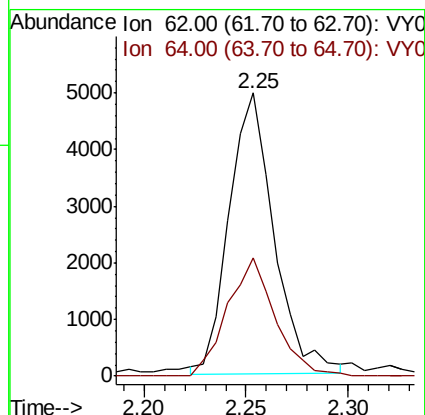
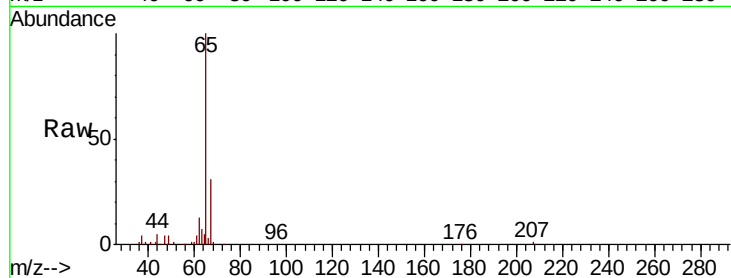
ClientSampleId :

Tot Ion: 62 Resp: 7553

Ion Ratio Lower Upper

62 100

64 41.6 23.2 43.2



#6

Bromomethane

Concen: 1.197 ug/L

RT: 2.66 min Scan# 137

Delta R.T. 0.00 min

Lab File: VY003865.D

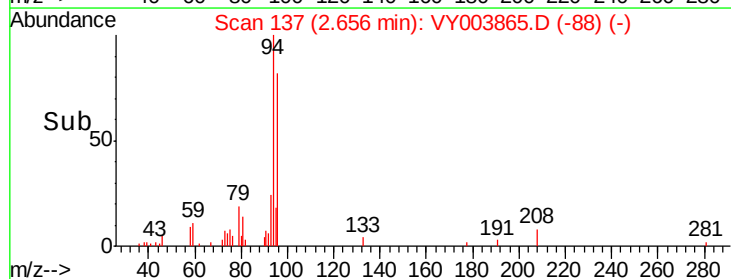
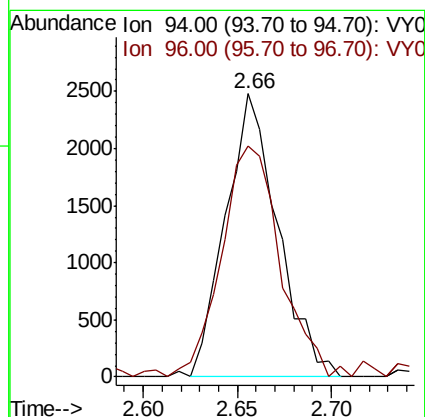
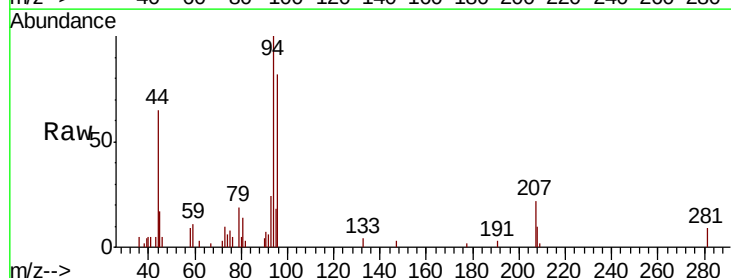
Acq: 30 Dec 2020 14:08

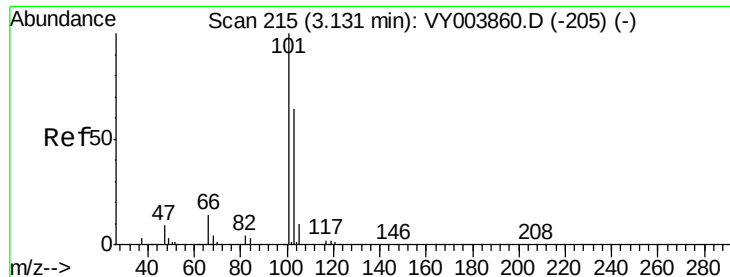
Tgt Ion: 94 Resp: 4754

Ion Ratio Lower Upper

94 100

96 81.7 64.3 119.3



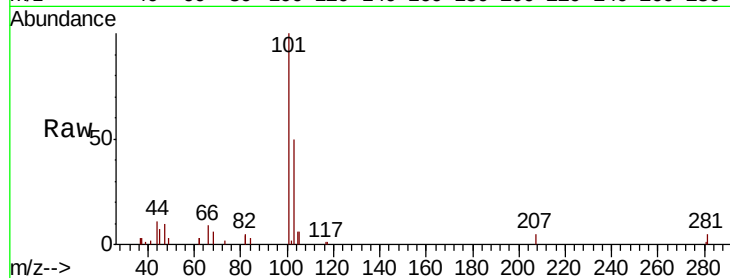


#9

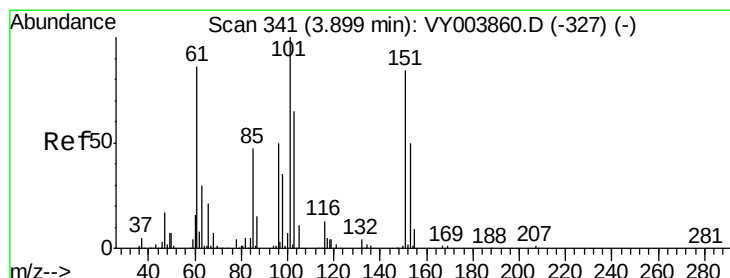
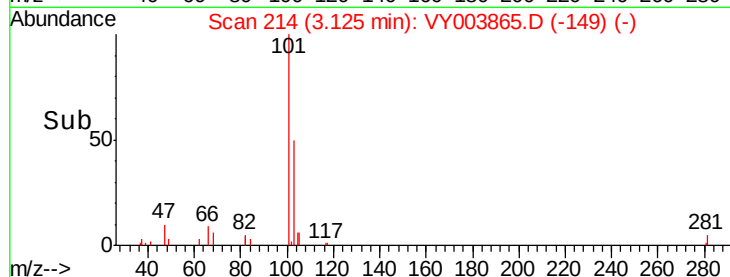
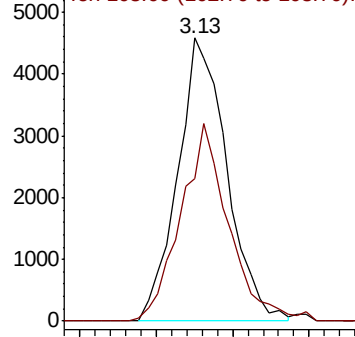
Trichlorofluoromethane
Concen: 1.179 ug/L
RT: 3.13 min Scan# 214
Delta R.T. -0.01 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:101 Resp: 10229
Ion Ratio Lower Upper
101 100
103 67.3 51.4 77.0



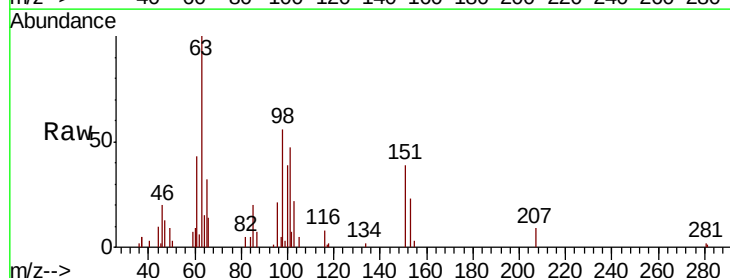
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



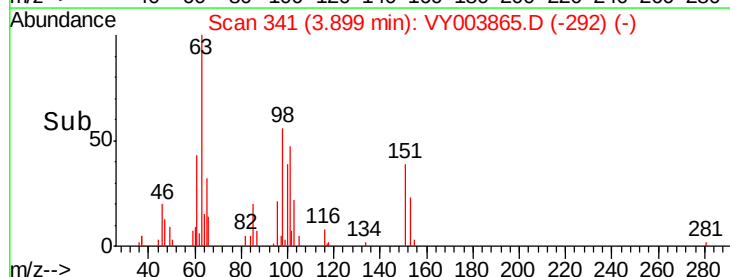
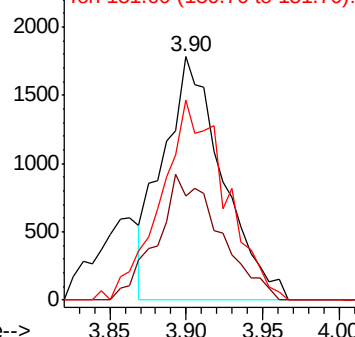
#10

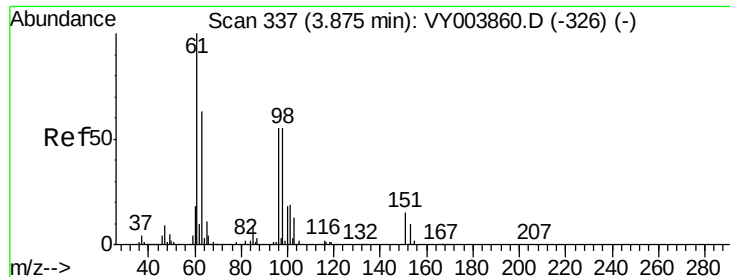
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.057 ug/L
RT: 3.90 min Scan# 341
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Tgt Ion:101 Resp: 4819
Ion Ratio Lower Upper
101 100
85 26.7 37.1 55.7#
151 49.5 66.4 99.6#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VY0
Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 1.239 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

ClientSampled :

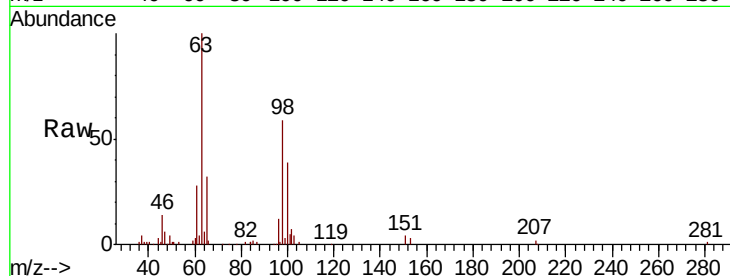
Tot Ion: 96 Resp: 5303

Ion Ratio Lower Upper

96 100

61 238.3 123.8 230.0#

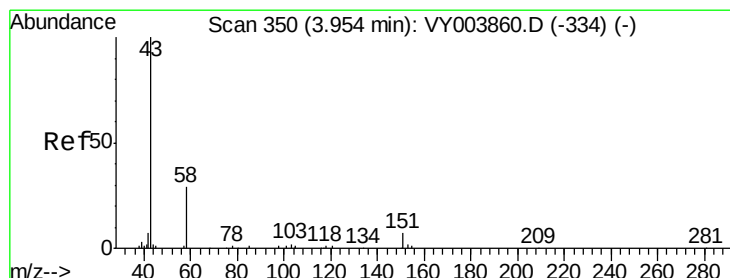
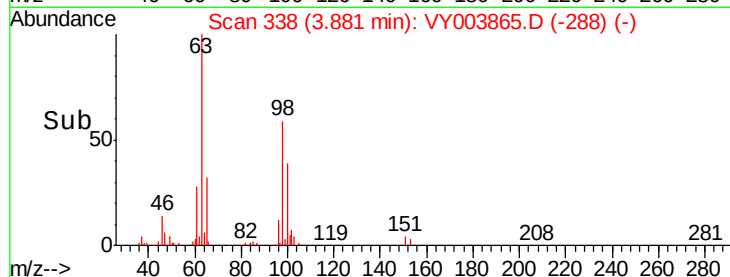
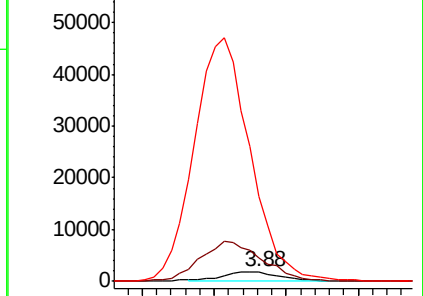
63 847.9 85.3 158.3#



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): VY0



#13

Acetone

Concen: 3.120 ug/L

RT: 3.95 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY003865.D

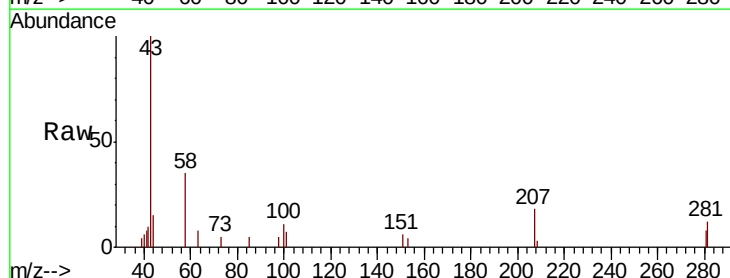
Acq: 30 Dec 2020 14:08

Tgt Ion: 43 Resp: 4887

Ion Ratio Lower Upper

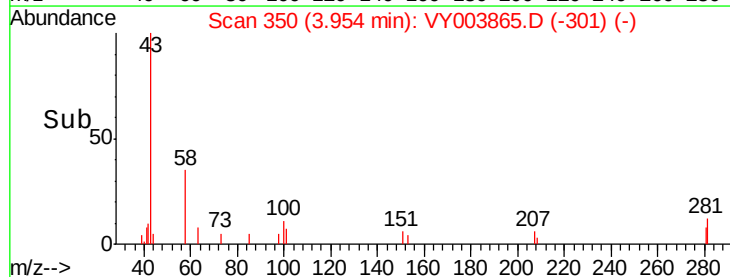
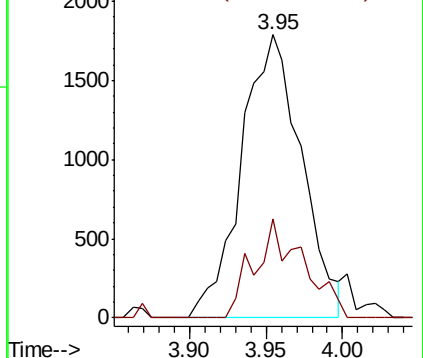
43 100

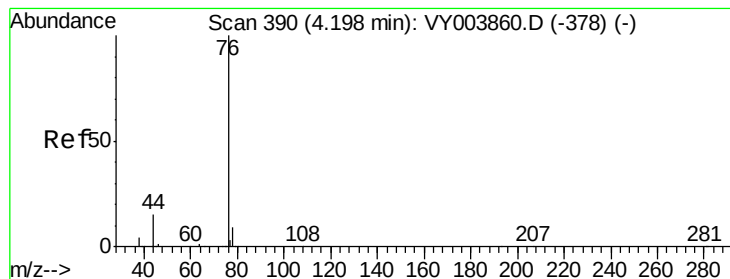
58 8.1 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#14

Carbon disulfide

Concen: 0.966 ug/L

RT: 4.19 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

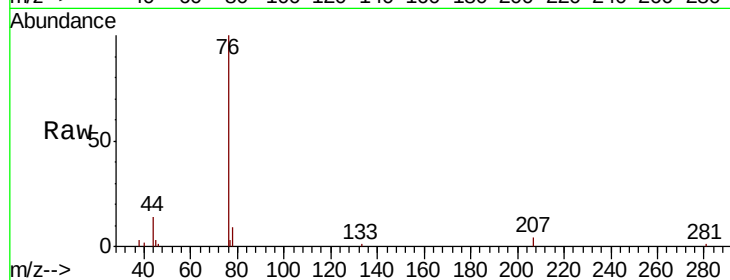
ClientSampleId :

Tot Ion: 76 Resp: 13917

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

4.19

5000

4000

3000

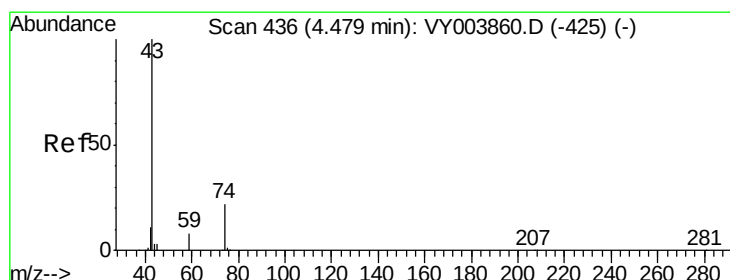
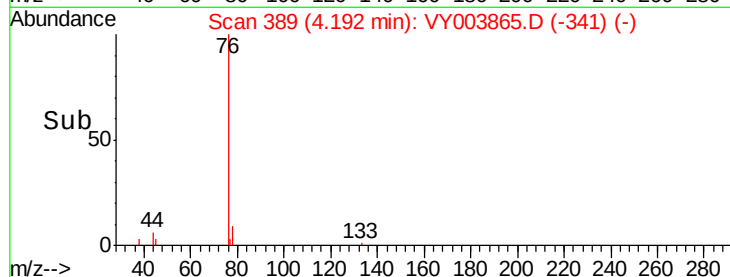
2000

1000

0

Time-->

4.10 4.15 4.20 4.25



#15

Methyl Acetate

Concen: 1.127 ug/L

RT: 4.48 min Scan# 437

Delta R.T. 0.01 min

Lab File: VY003865.D

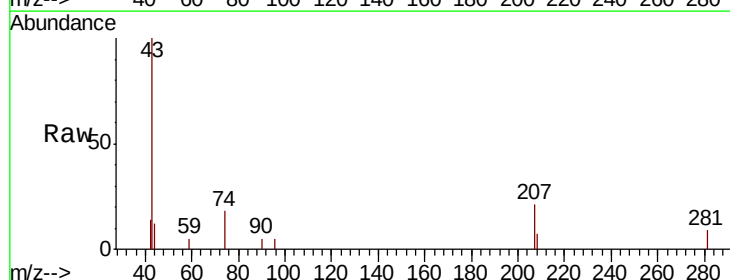
Acq: 30 Dec 2020 14:08

Tgt Ion: 43 Resp: 4061

Ion Ratio Lower Upper

43 100

74 8.2 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

1500

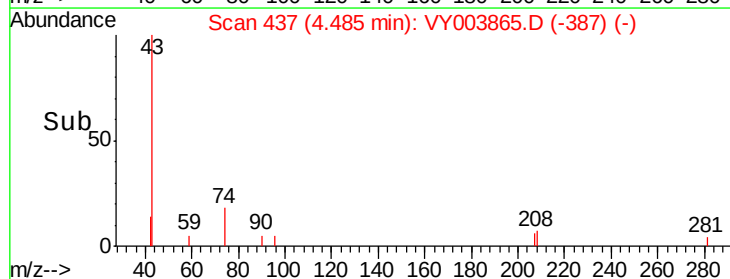
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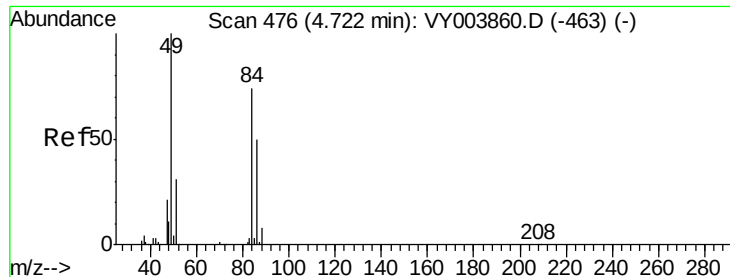
500

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Time-->

4.40 4.45 4.50 4.55

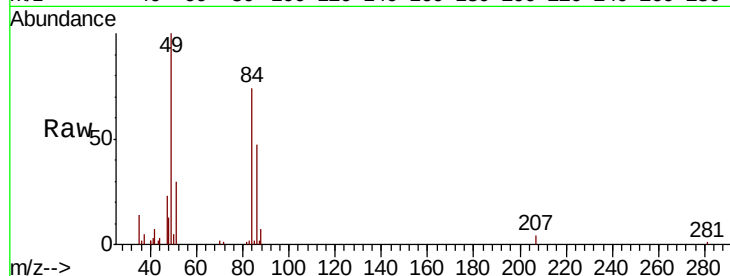




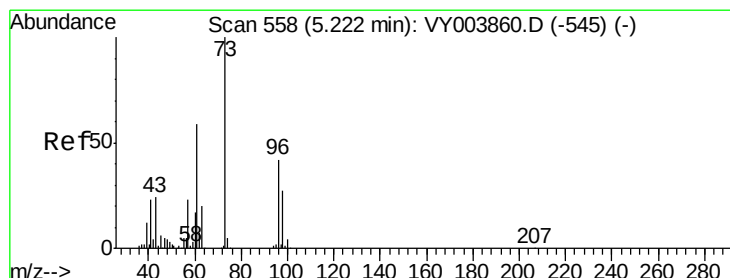
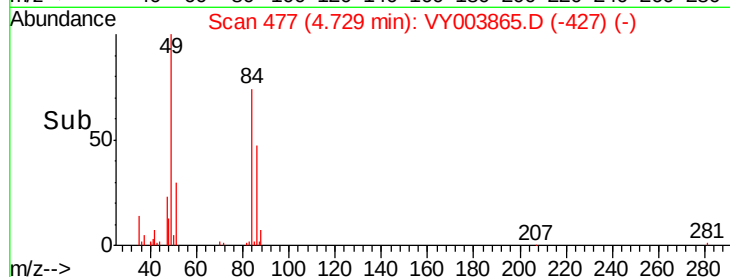
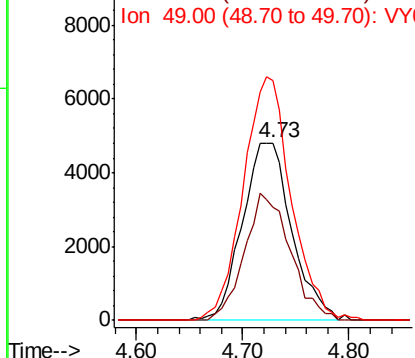
#16
Methylene chloride
Concen: 2.984 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 15619
Ion Ratio Lower Upper
84 100
86 64.0 42.1 78.3
49 135.4 90.3 167.7

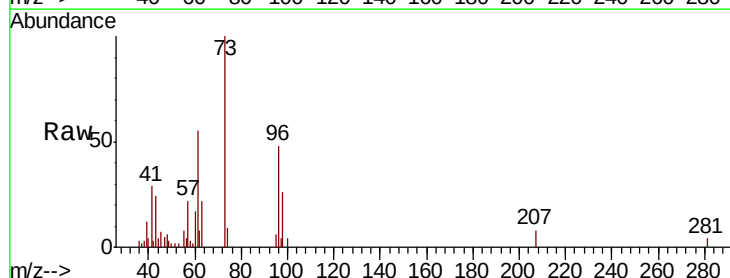


Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 86.00 (85.70 to 86.70): VY0
Ion 49.00 (48.70 to 49.70): VY0

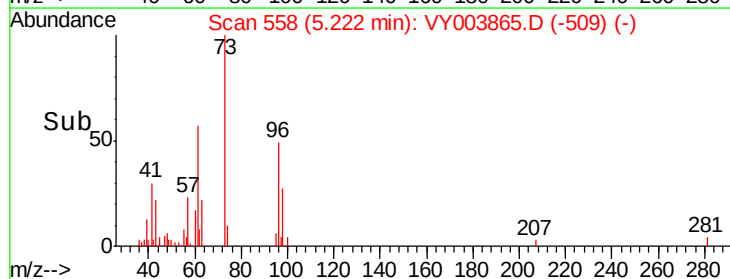
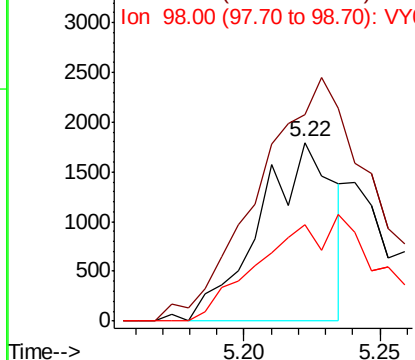


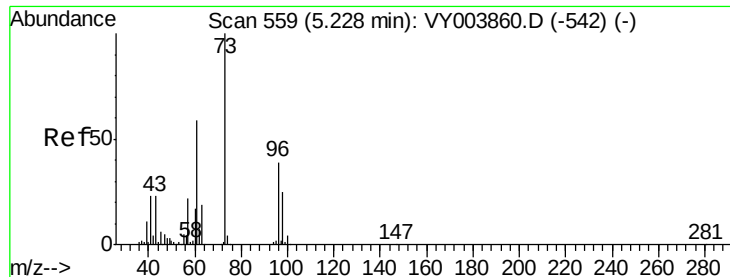
#17
trans-1,2-Dichloroethene
Concen: 0.730 ug/L
RT: 5.22 min Scan# 558
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Tgt Ion: 96 Resp: 3416
Ion Ratio Lower Upper
96 100
61 115.6 101.7 188.9
98 54.0 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

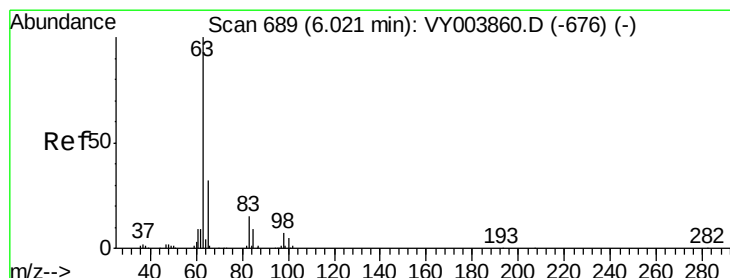
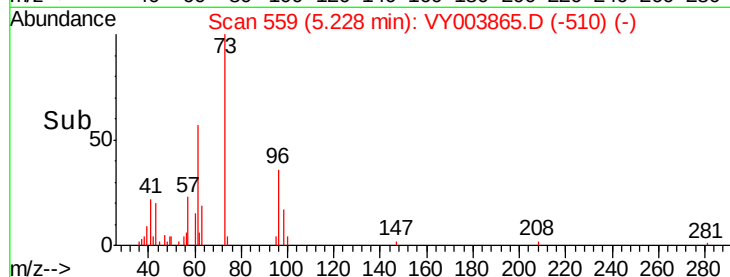
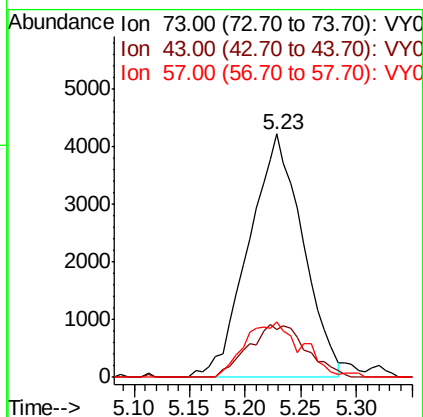
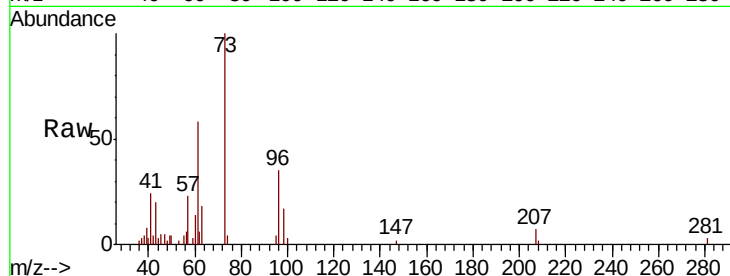




#18
Methyl tert-butyl Ether
Concen: 1.029 ug/L
RT: 5.23 min Scan# 559
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

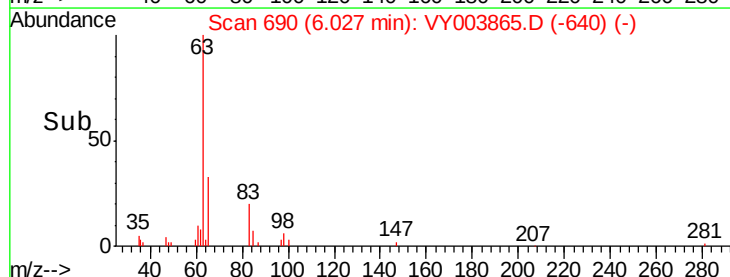
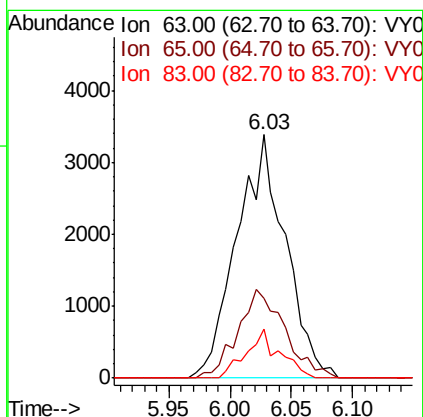
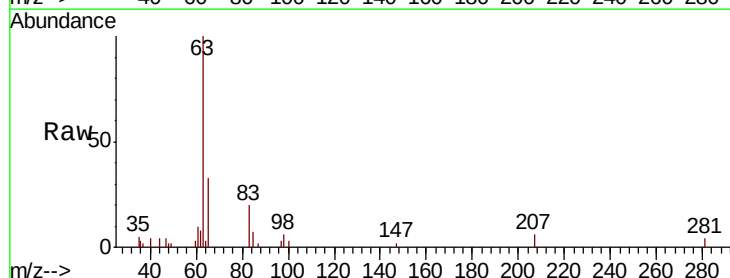
Instrument :
MSVOA_Y
ClientSampled :

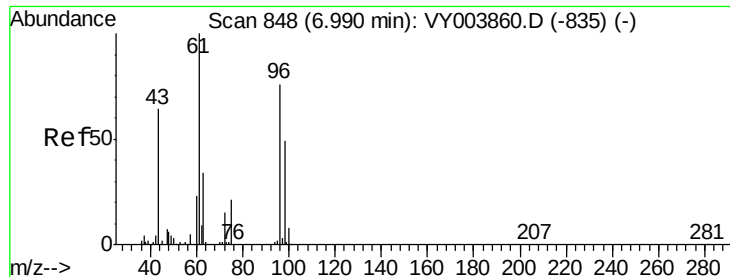
Tot Ion: 73 Resp: 14227
Ion Ratio Lower Upper
73 100
43 12.3 18.4 27.6#
57 11.8 17.6 26.4#



#19
1,1-Dichloroethane
Concen: 1.106 ug/L
RT: 6.03 min Scan# 690
Delta R.T. 0.01 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Tgt Ion: 63 Resp: 9355
Ion Ratio Lower Upper
63 100
65 32.8 21.9 40.7
83 20.0 8.7 16.1#

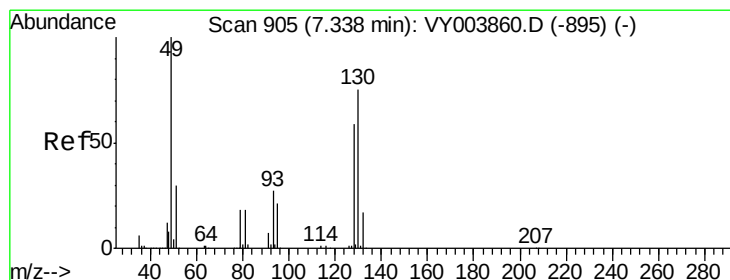
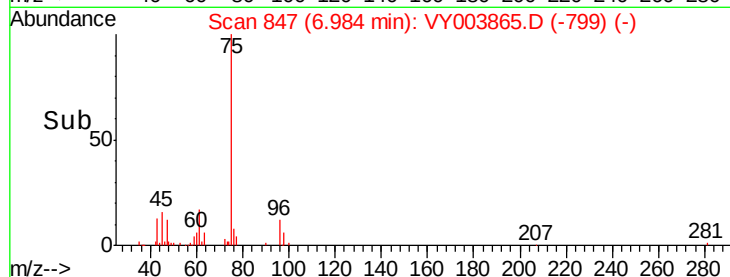
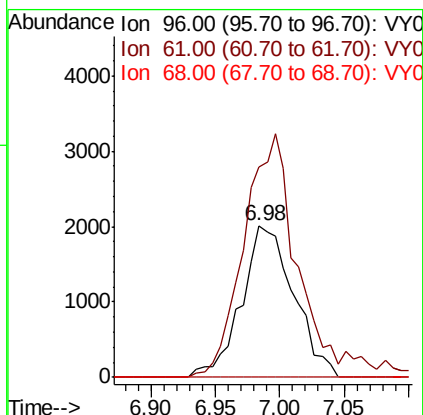
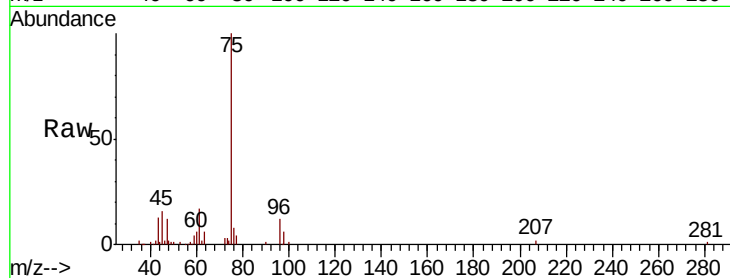




#20
 cis-1,2-Dichloroethene
 Concen: 1.118 ug/L
 RT: 6.98 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

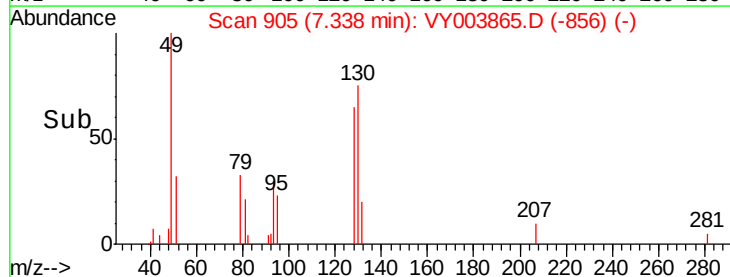
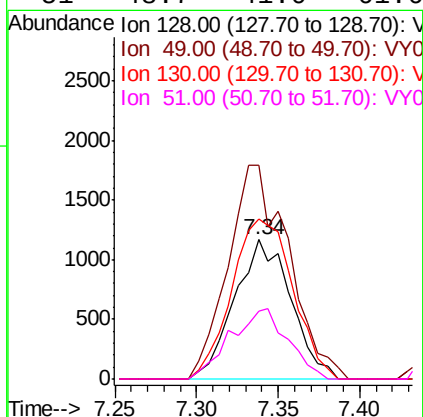
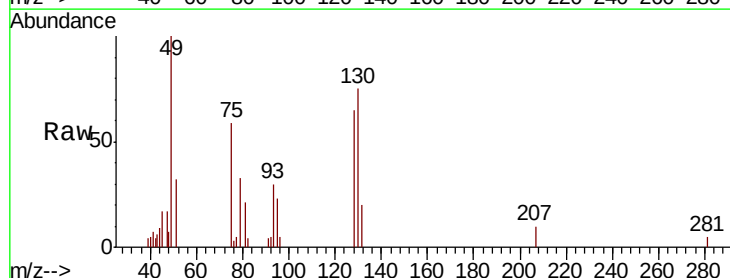
Instrument :
 MSVOA_Y
 ClientSampleId :

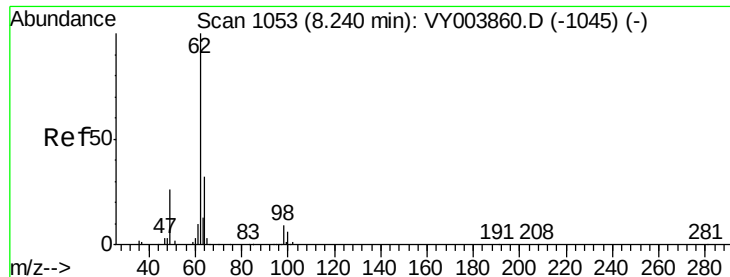
Tot Ion: 96 Resp: 5660
 Ion Ratio Lower Upper
 96 100
 61 138.5 90.6 168.3
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 1.122 ug/L
 RT: 7.34 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Tgt Ion: 128 Resp: 2808
 Ion Ratio Lower Upper
 128 100
 49 153.7 114.4 212.4
 130 114.9 88.8 164.8
 51 48.7 41.0 61.6

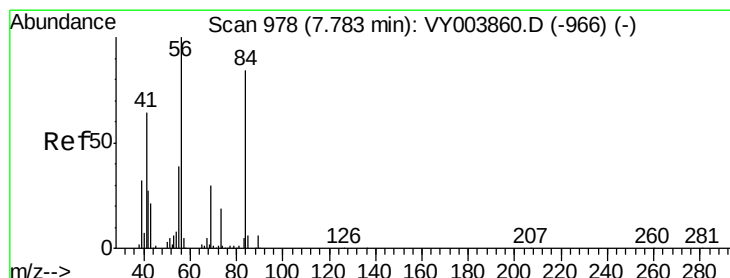
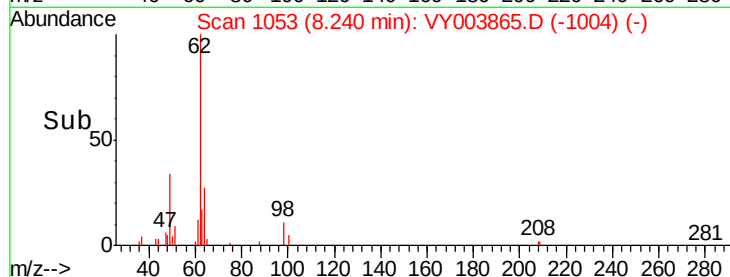
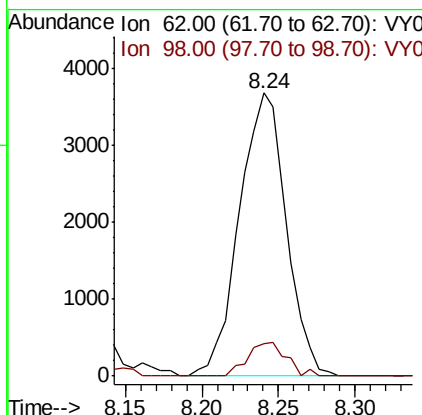
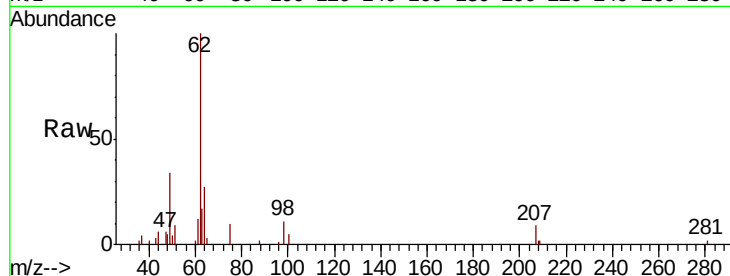




#27
 1,2-Dichloroethane
 Concen: 1.140 ug/L
 RT: 8.24 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

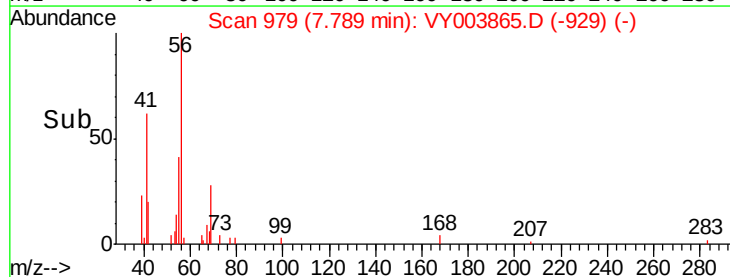
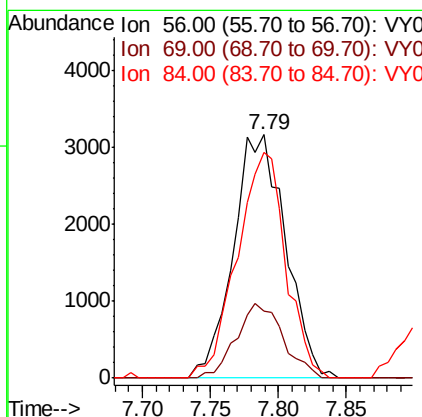
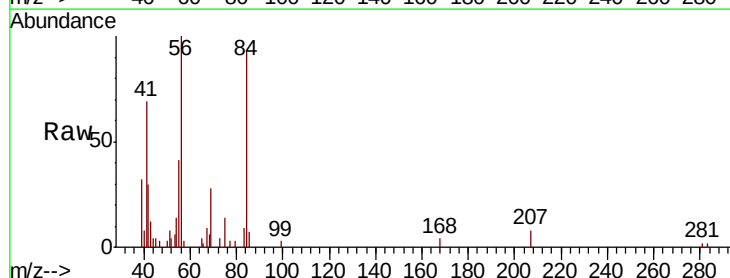
Instrument :
 MSVOA_Y
 ClientSampleId :

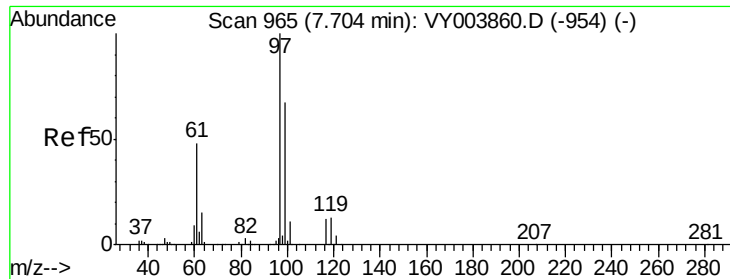
Tot Ion: 62 Resp: 7853
 Ion Ratio Lower Upper
 62 100
 98 11.4 6.8 10.2#



#29
 Cyclohexane
 Concen: 1.055 ug/L
 RT: 7.79 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Tgt Ion: 56 Resp: 8475
 Ion Ratio Lower Upper
 56 100
 69 27.6 24.2 36.2
 84 86.7 68.7 103.1

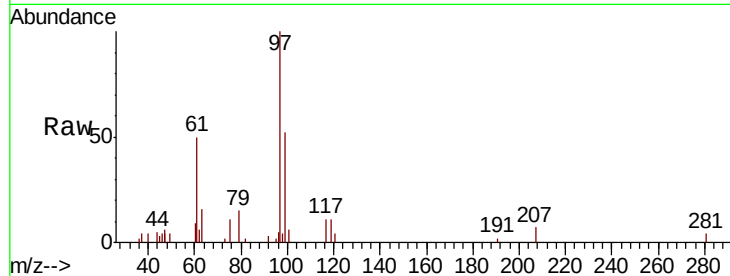




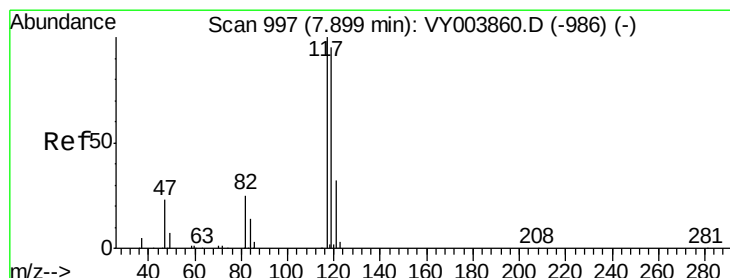
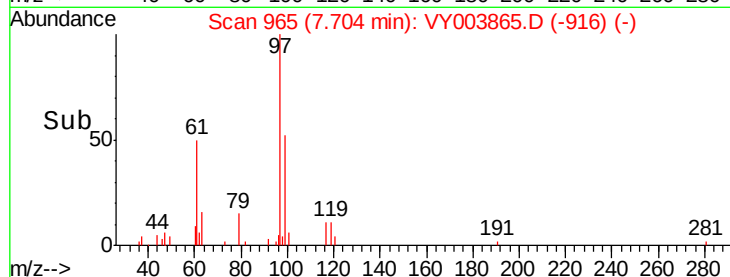
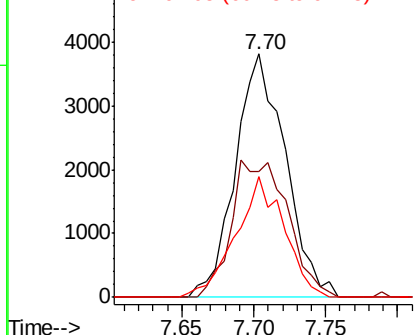
#30
 1,1,1-Trichloroethane
 Concen: 1.115 ug/L
 RT: 7.70 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 97 Resp: 9202
 Ion Ratio Lower Upper
 97 100
 99 26.1 50.5 75.7#
 61 47.9 35.5 53.3

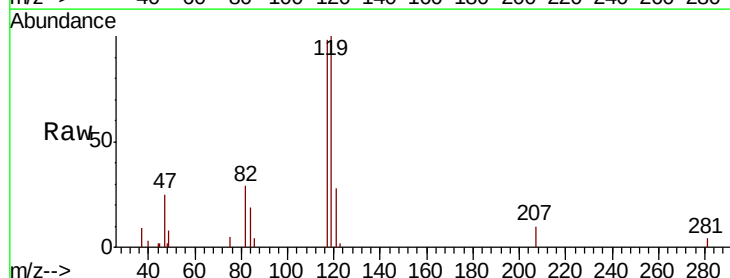


Abundance Ion 97.00 (96.70 to 97.70): VY0
 Ion 99.00 (98.70 to 99.70): VY0
 Ion 61.05 (60.75 to 61.75): VY0

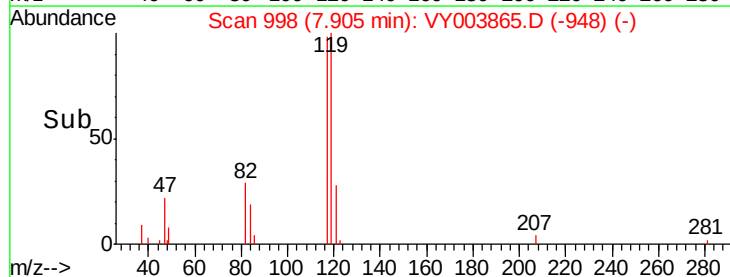
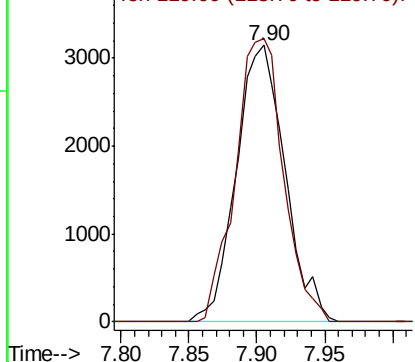


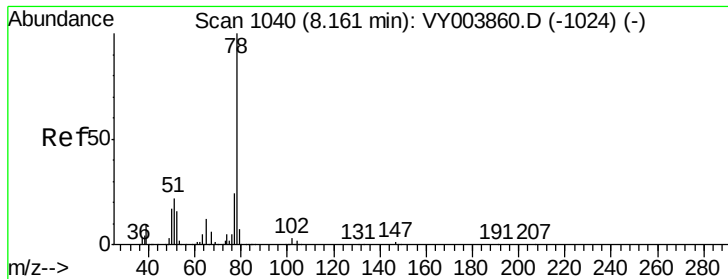
#31
 Carbon tetrachloride
 Concen: 1.034 ug/L
 RT: 7.90 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Tgt Ion: 117 Resp: 7890
 Ion Ratio Lower Upper
 117 100
 119 101.4 76.2 114.4



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





#33

Benzene

Concen: 1.154 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VY003865.D

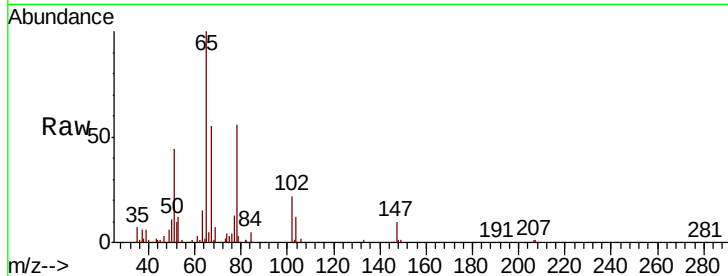
Acq: 30 Dec 2020 14:08

Instrument :

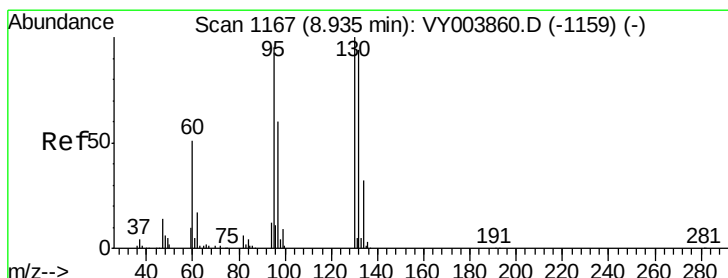
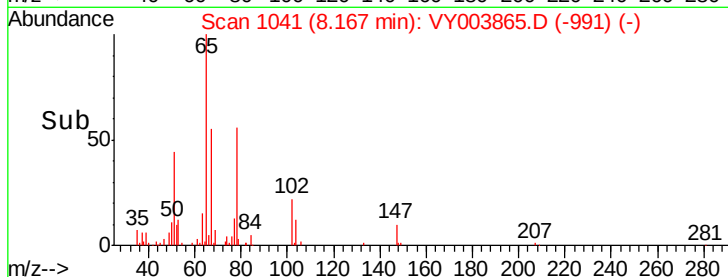
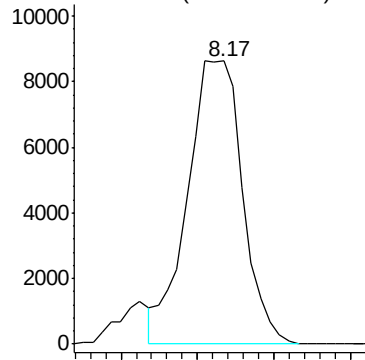
MSVOA_Y

ClientSampleId :

Tgt Ion: 78 Resp: 21616



Abundance Ion 78.00 (77.70 to 78.70): VY0



#34

Trichloroethene

Concen: 1.175 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. 0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Tgt Ion: 95 Resp: 6086

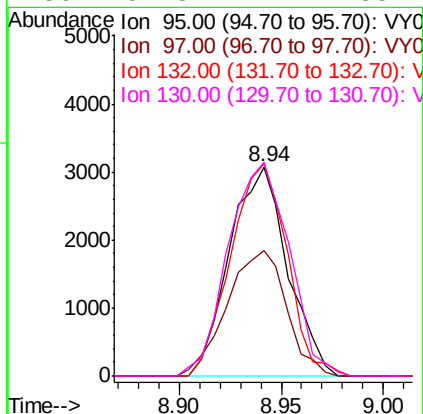
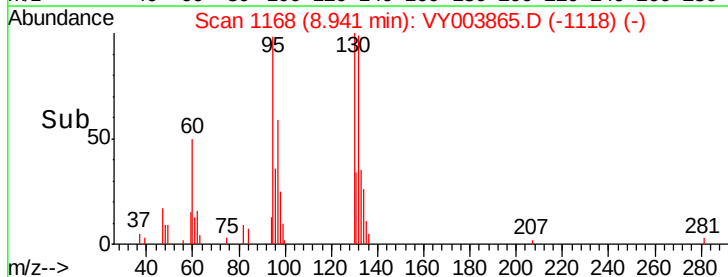
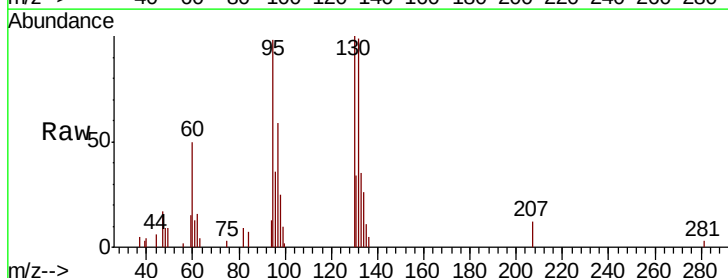
Ion	Ratio	Lower	Upper
95	100		
97	60.1	44.4	82.5
132	101.8	71.8	133.4
130	102.3	74.4	138.2

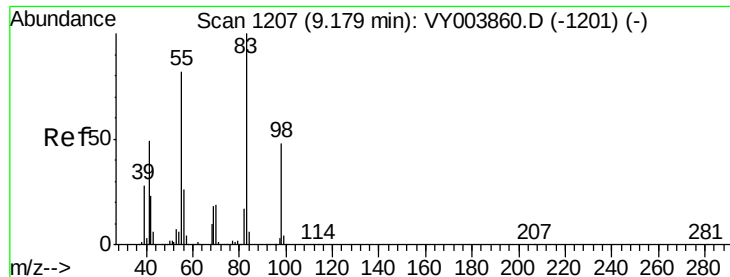
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0

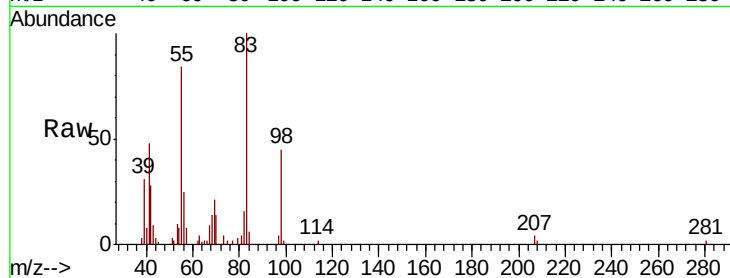




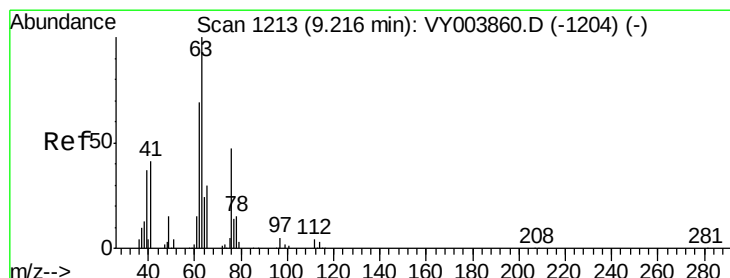
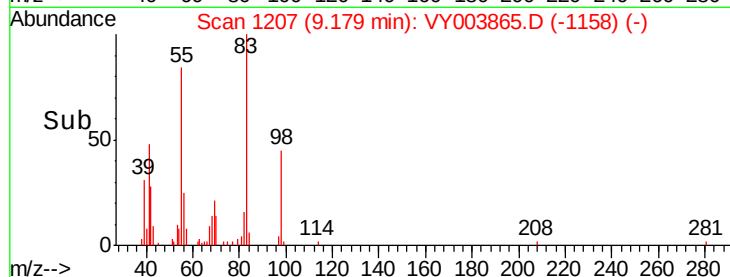
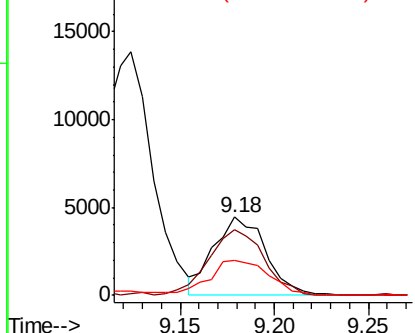
#35
Methylvlcyclohexane
Concen: 1.016 ug/L
RT: 9.18 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.6	62.9	94.3
98	51.2	39.7	59.5

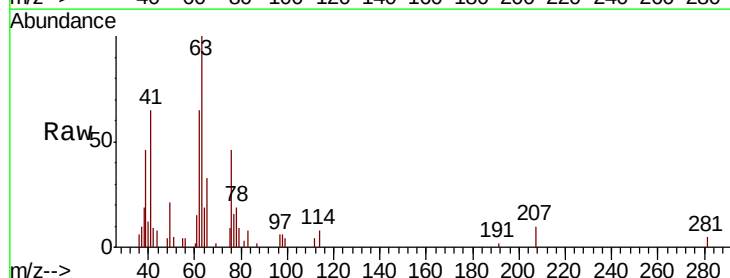


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

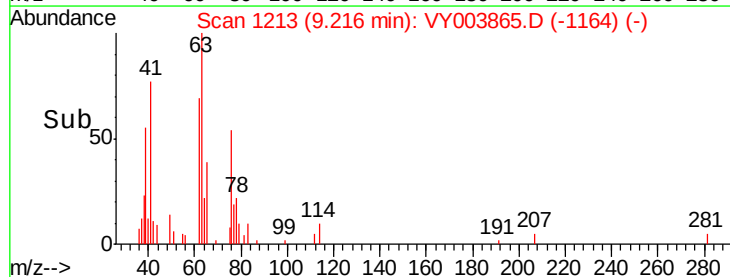
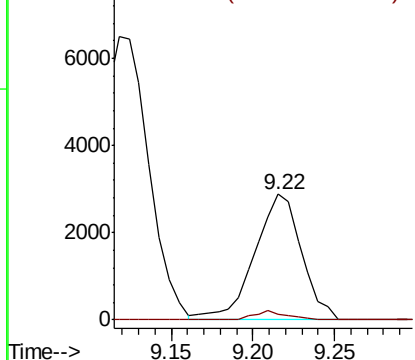


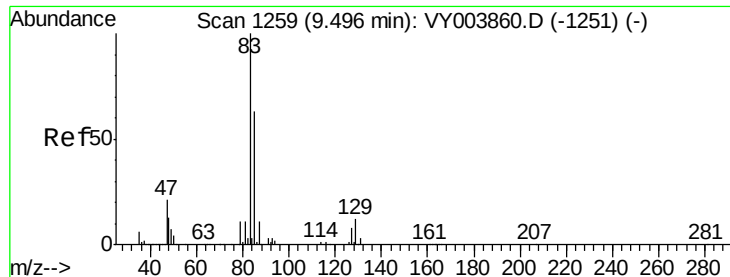
#37
1,2-Dichloropropane
Concen: 1.207 ug/L
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Tgt Ion	Ratio	Lower	Upper
63	100		
112	5.1	3.7	5.5



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





#38

Bromodichloromethane

Concen: 1.066 ug/L

RT: 9.50 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

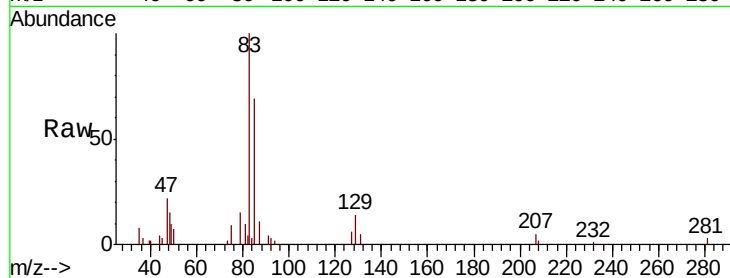
Tot Ion: 83 Resp: 7164

Ion Ratio Lower Upper

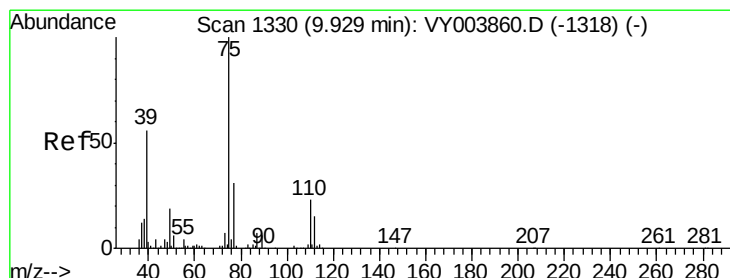
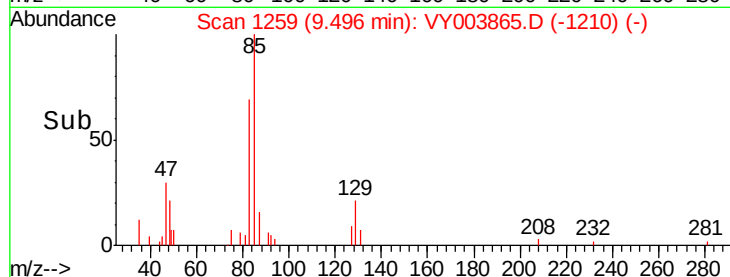
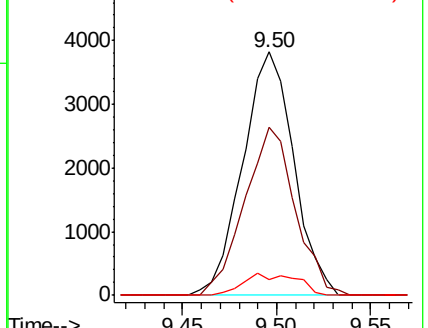
83 100

85 69.2 44.2 82.0

127 6.5 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0
Ion 127.00 (126.70 to 127.70): VY0



#39

cis-1,3-Dichloropropene

Concen: 1.022 ug/L

RT: 9.92 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VY003865.D

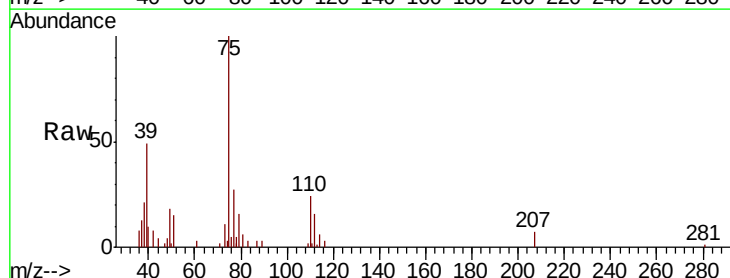
Acq: 30 Dec 2020 14:08

Tgt Ion: 75 Resp: 8325

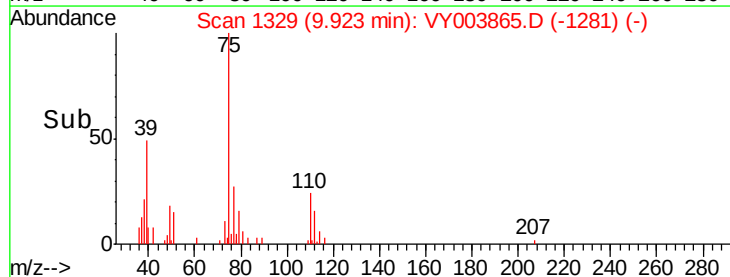
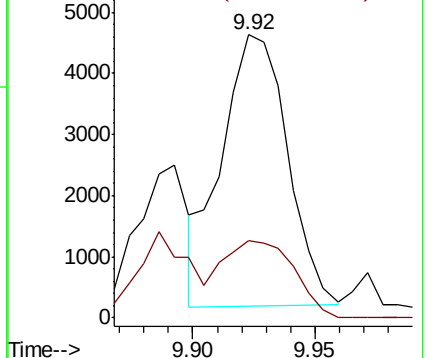
Ion Ratio Lower Upper

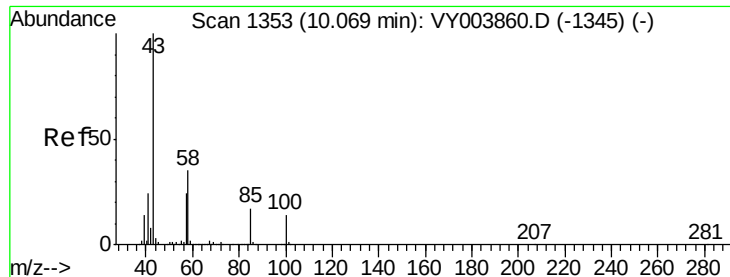
75 100

77 27.2 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

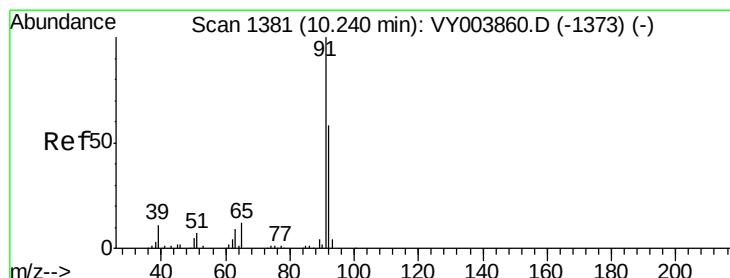
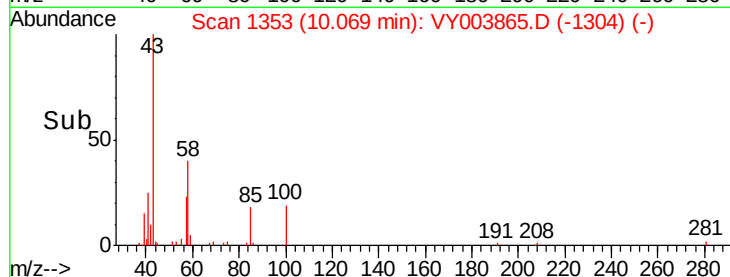
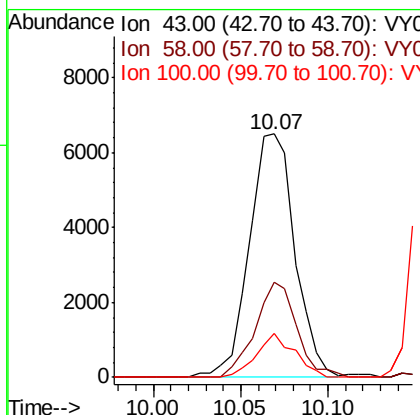
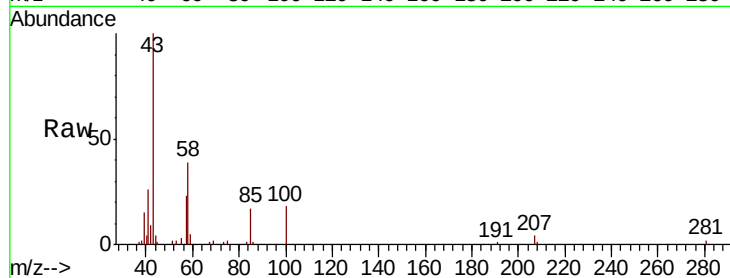




#40
4-Methyl-2-pentanone
Concen: 2.309 ug/L
RT: 10.07 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

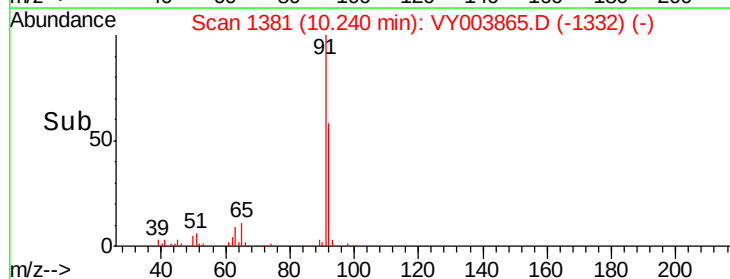
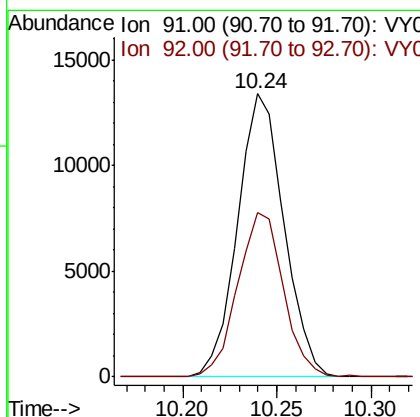
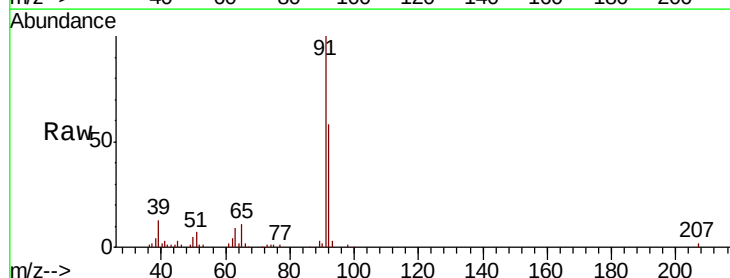
Instrument :
MSVOA_Y
ClientSampleId :

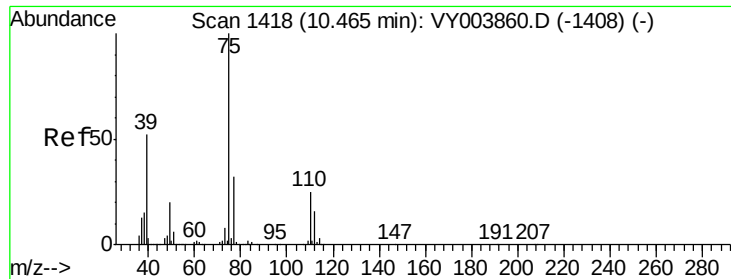
Tot Ion: 43 Resp: 11758
Ion Ratio Lower Upper
43 100
58 35.7 29.6 44.4
100 15.0 11.8 17.6



#42
Toluene
Concen: 1.102 ug/L
RT: 10.24 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Tgt Ion: 91 Resp: 22833
Ion Ratio Lower Upper
91 100
92 57.9 39.9 74.1





#44

trans-1,3-Dichloropropene

Concen: 1.516 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

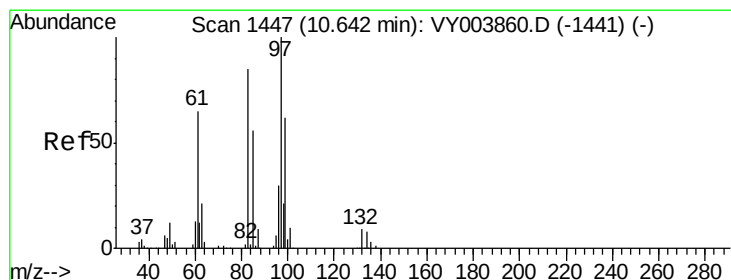
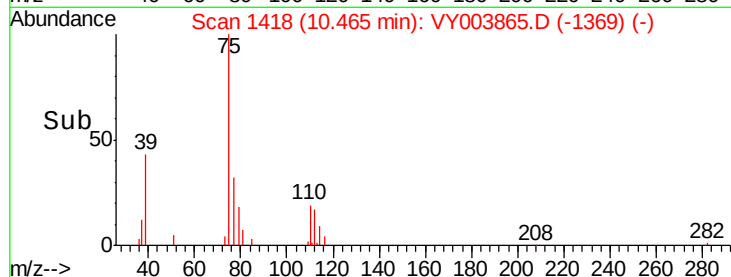
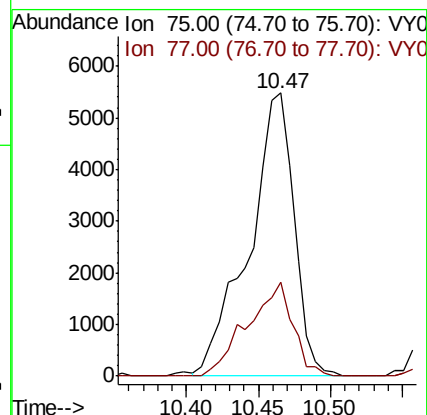
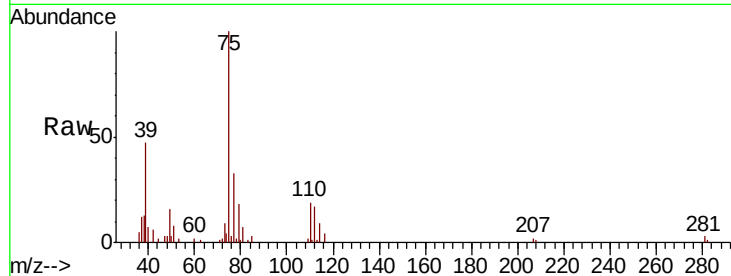
ClientSampleId :

Tot Ion: 75 Resp: 11927

Ion Ratio Lower Upper

75 100

77 33.3 21.9 40.7



#45

1,1,2-Trichloroethane

Concen: 1.125 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. 0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Tgt Ion: 97 Resp: 4610

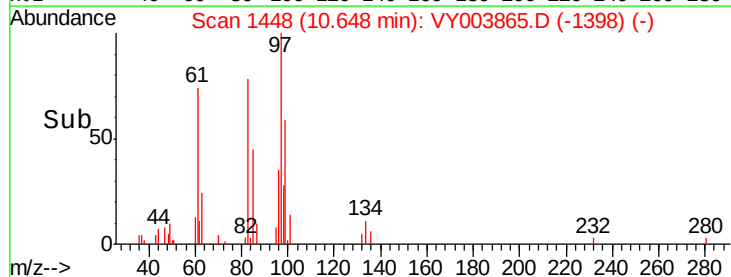
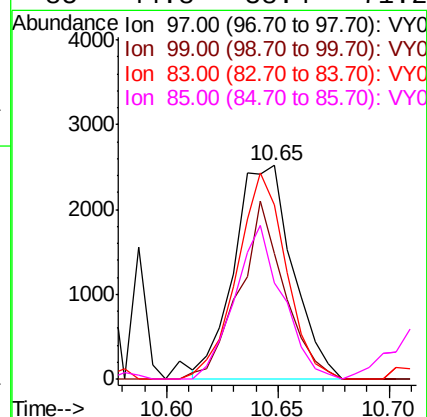
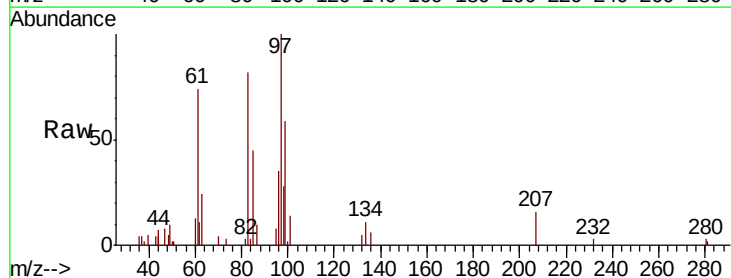
Ion Ratio Lower Upper

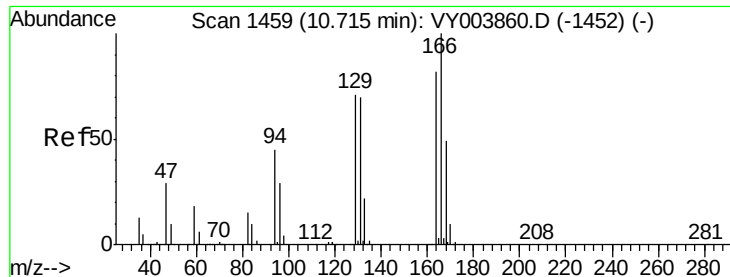
97 100

99 58.8 46.0 85.4

83 81.7 60.8 112.8

85 44.8 38.4 71.2





#46

Tetrachloroethene

Concen: 1.114 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:164 Resp: 4990

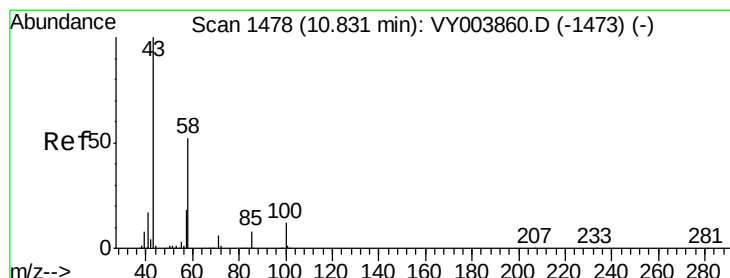
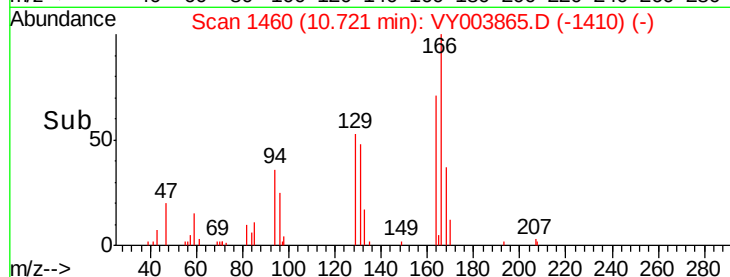
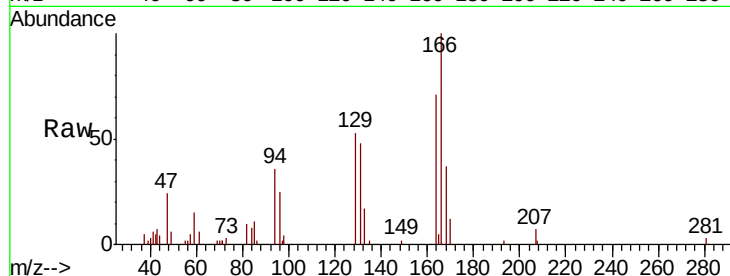
Ion	Ratio	Lower	Upper
164	100		
129	74.5	62.5	116.1
131	67.6	60.7	112.7
166	140.7	87.2	162.0

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: 2.322 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Tgt Ion: 43 Resp: 8615

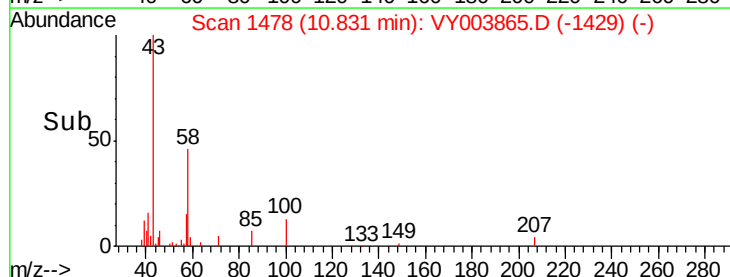
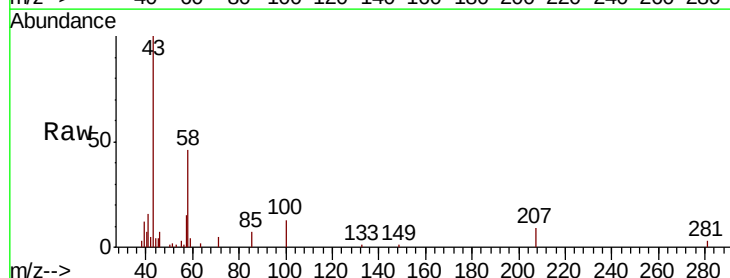
Ion	Ratio	Lower	Upper
43	100		
58	53.0	40.6	60.8
57	18.3	14.5	21.7
100	12.9	9.1	13.7

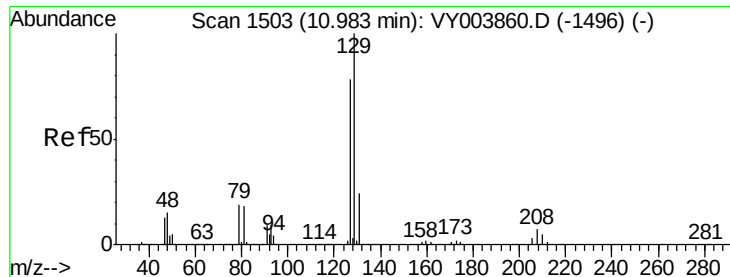
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 1.048 ug/L

RT: 10.98 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

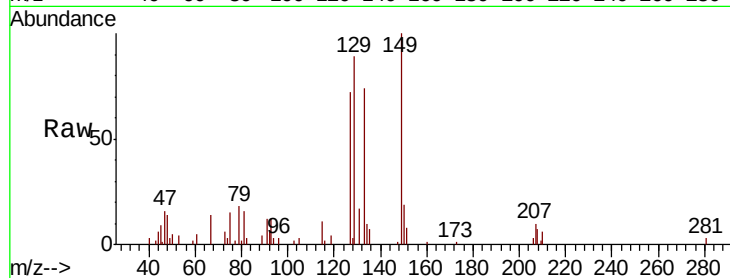
ClientSampleId :

Tot Ion:129 Resp: 5435

Ion Ratio Lower Upper

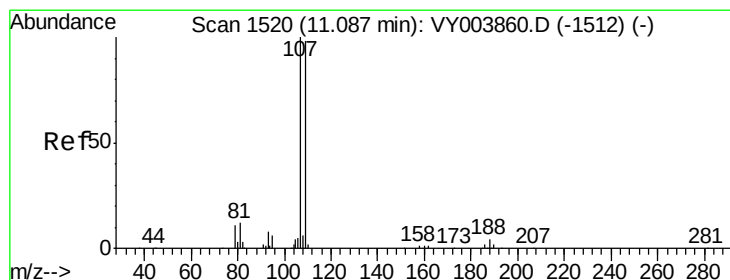
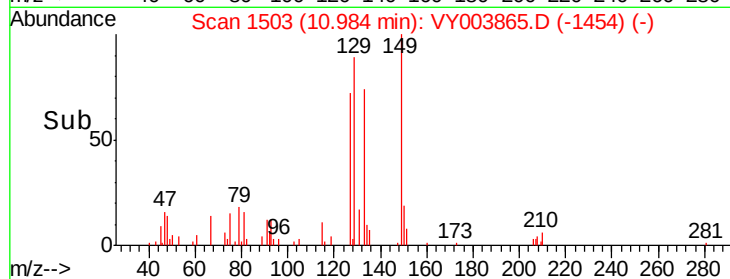
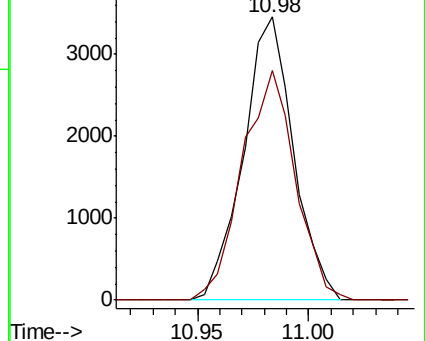
129 100

127 81.0 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.053 ug/L

RT: 11.09 min Scan# 1520

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

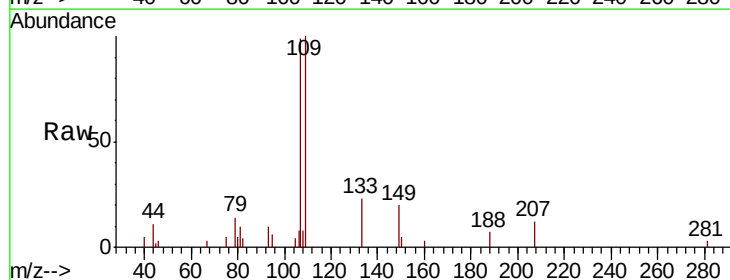
Tgt Ion:107 Resp: 4261

Ion Ratio Lower Upper

107 100

109 101.2 65.5 121.7

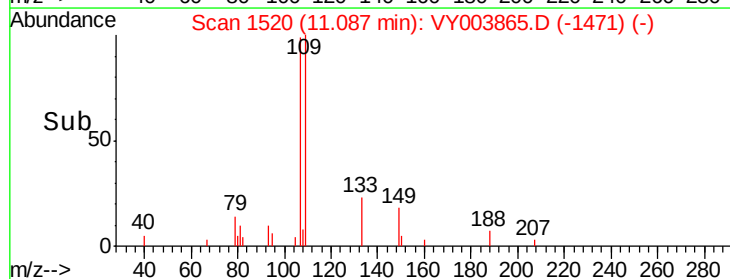
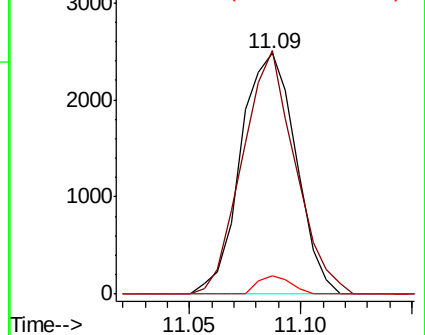
188 7.5 3.6 5.4#

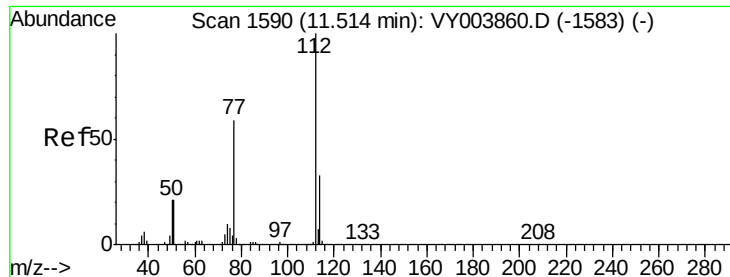


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.159 ug/L

RT: 11.51 min Scan# 1589

Delta R.T. -0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

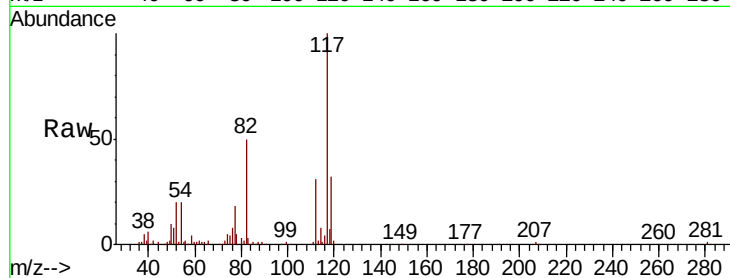
Tot Ion:112 Resp: 15535

Ion Ratio Lower Upper

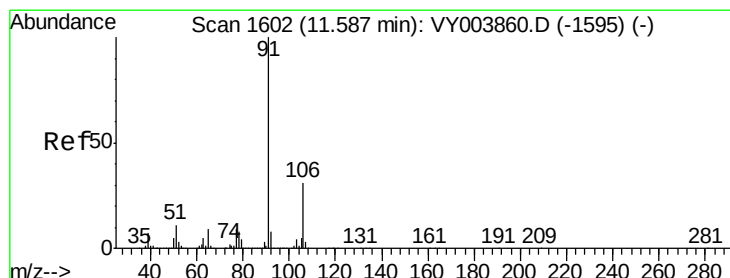
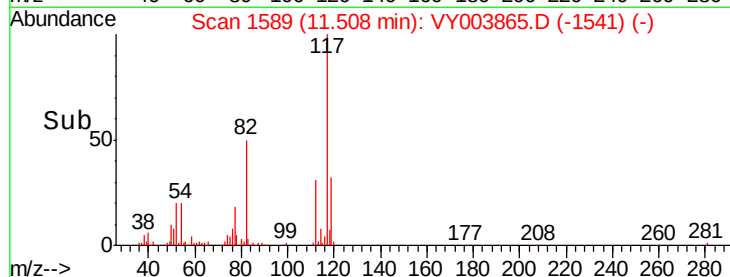
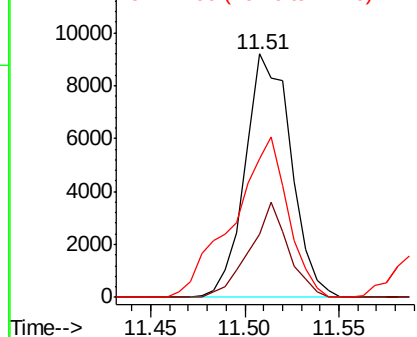
112 100

114 26.1 22.5 41.9

77 56.7 45.2 67.8



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: 1.082 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY003865.D

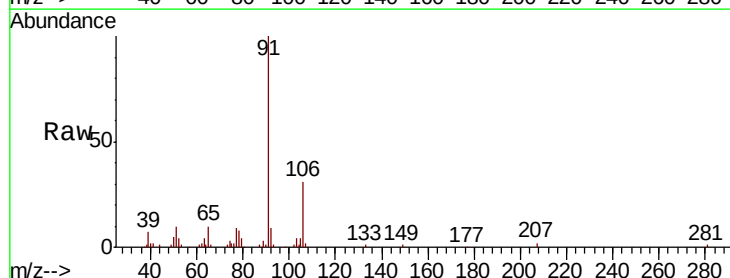
Acq: 30 Dec 2020 14:08

Tgt Ion: 91 Resp: 25128

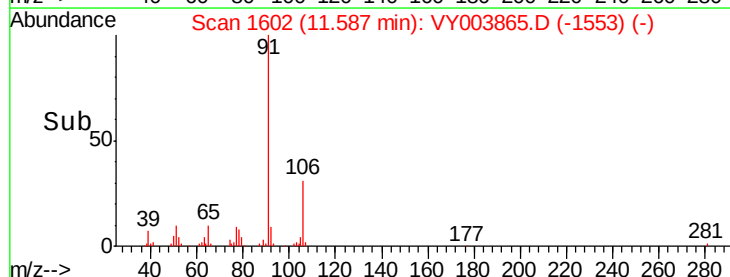
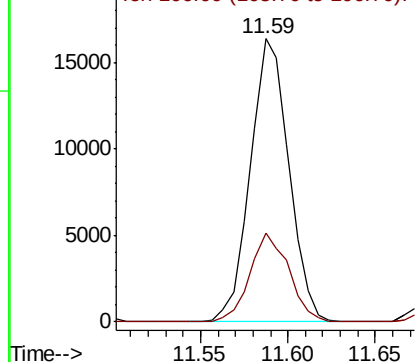
Ion Ratio Lower Upper

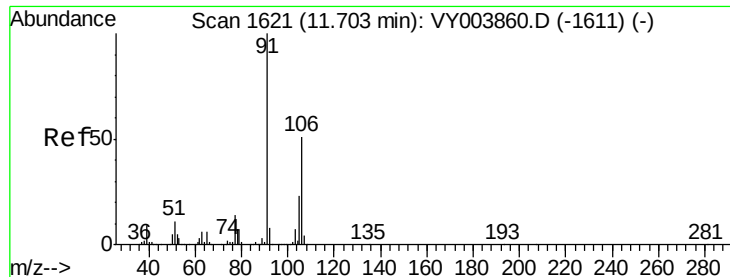
91 100

106 31.4 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.055 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

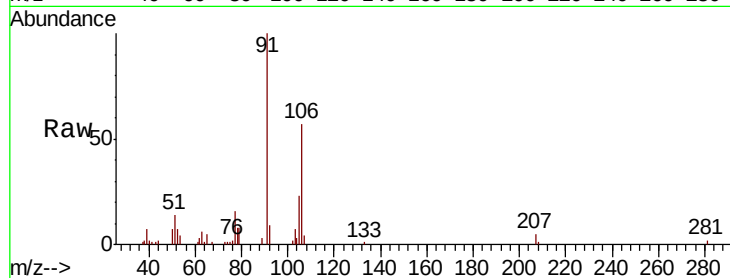
ClientSampled :

Tot Ion:106 Resp: 9289

Ion Ratio Lower Upper

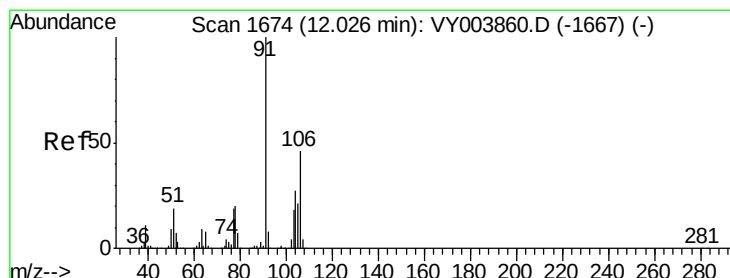
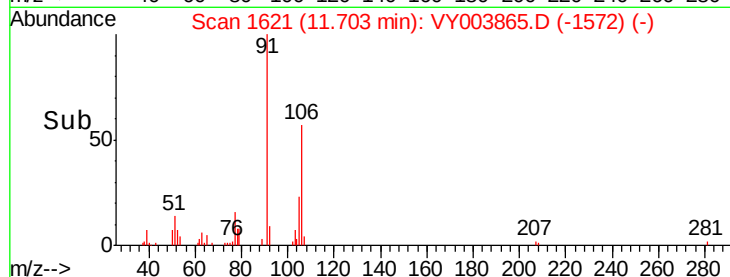
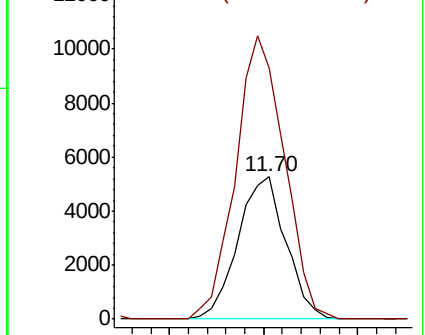
106 100

91 176.2 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#54

o-Xylene

Concen: 1.031 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VY003865.D

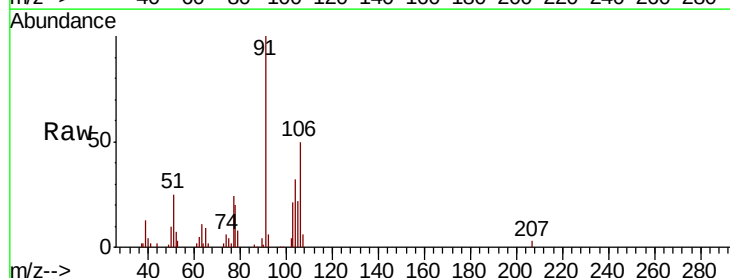
Acq: 30 Dec 2020 14:08

Tgt Ion:106 Resp: 8837

Ion Ratio Lower Upper

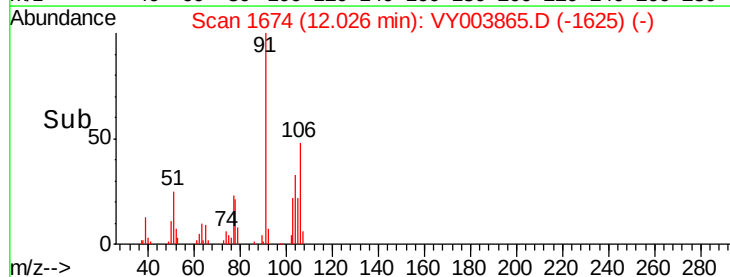
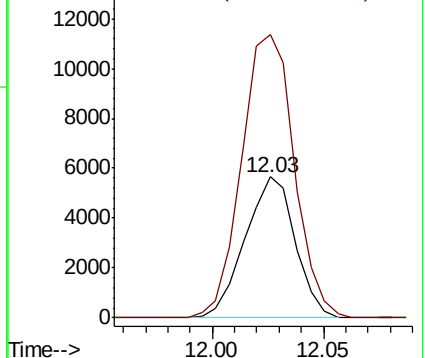
106 100

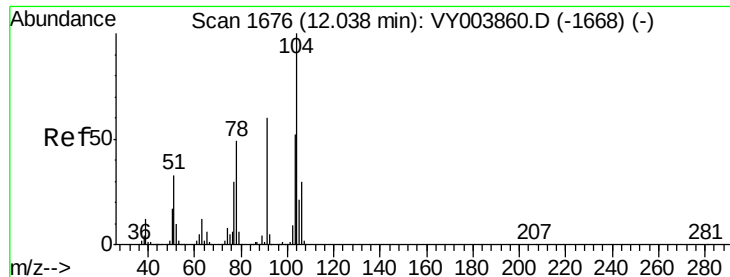
91 200.8 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

Stvrene

Concen: 1.019 ug/L

RT: 12.04 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

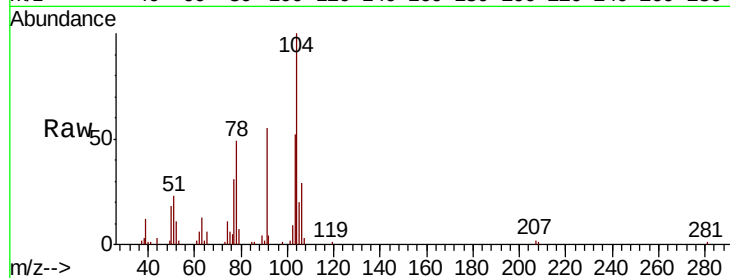
ClientSampled :

Tot Ion:104 Resp: 15103

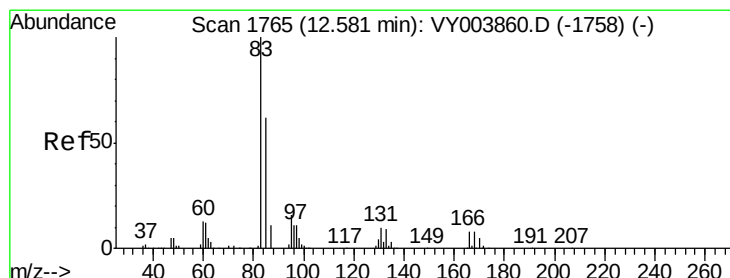
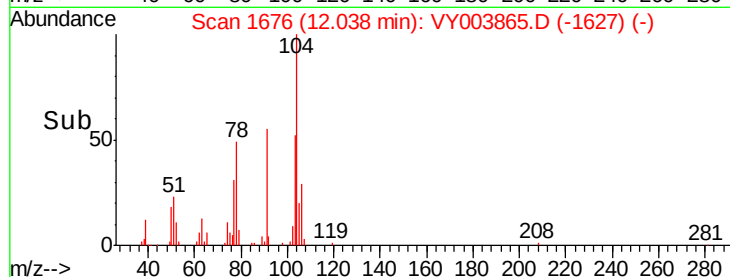
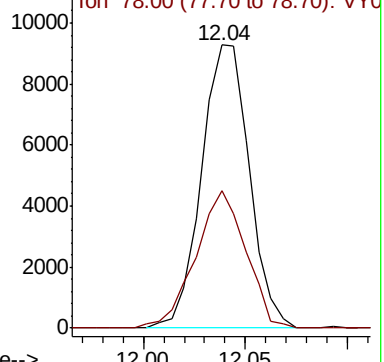
Ion Ratio Lower Upper

104 100

78 48.6 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): VY003860.D (-1668) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 1.236 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

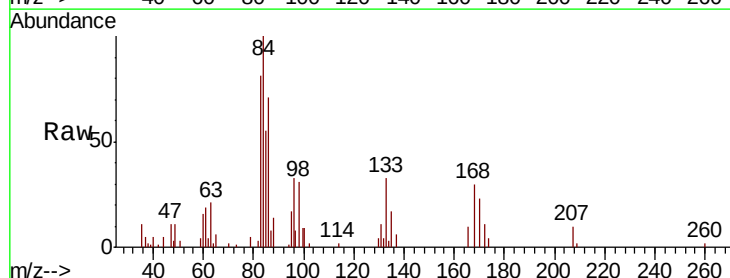
Tgt Ion: 83 Resp: 5991

Ion Ratio Lower Upper

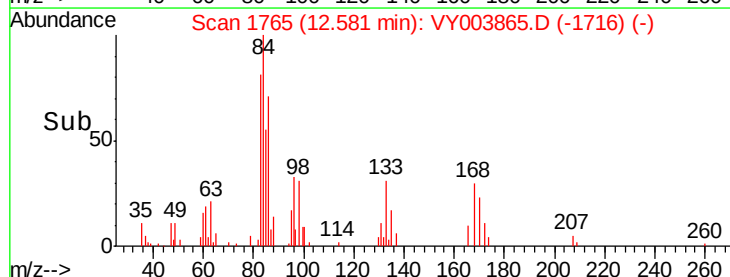
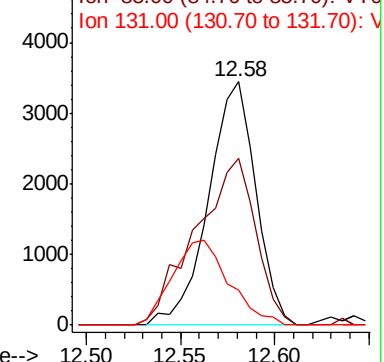
83 100

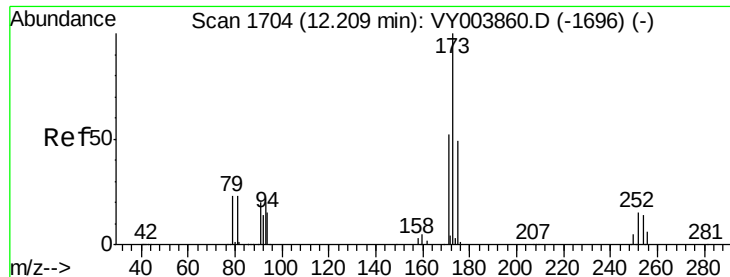
85 68.5 44.9 83.3

131 14.2 9.0 13.6#



Abundance Ion 83.00 (82.70 to 83.70): VY003860.D (-1758) (-)





#59

Bromoform

Concen: 1.130 ug/L

RT: 12.20 min Scan# 1703

Delta R.T. -0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

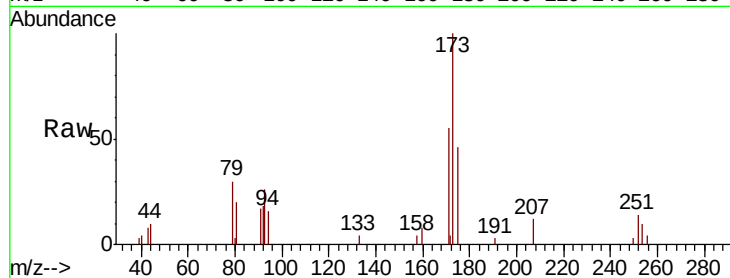
Tot Ion:173 Resp: 4149

Ion Ratio Lower Upper

173 100

175 48.5 38.9 58.3

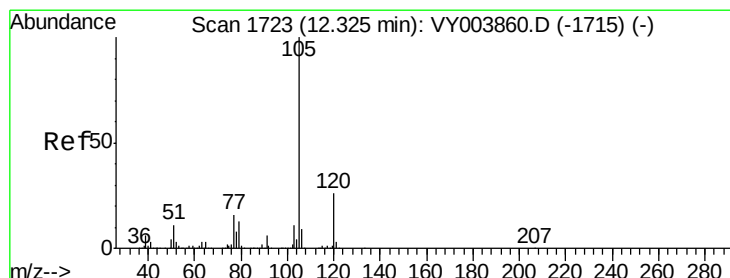
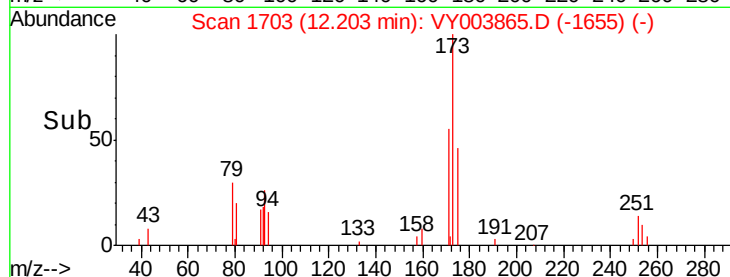
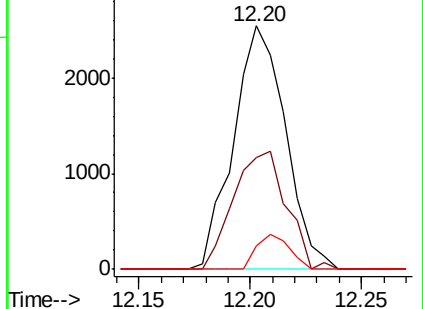
254 9.1 11.5 17.3#



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: 1.007 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

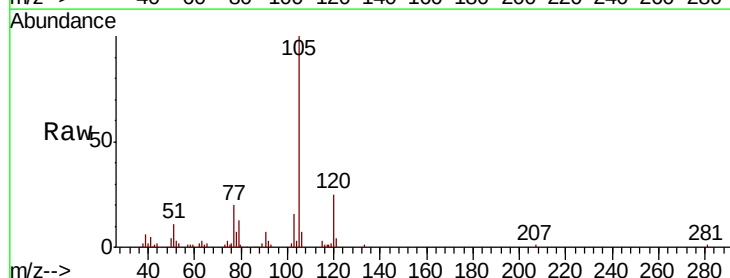
Tgt Ion:105 Resp: 22649

Ion Ratio Lower Upper

105 100

120 28.3 21.7 32.5

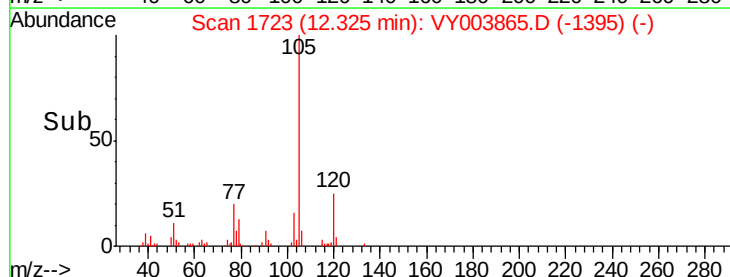
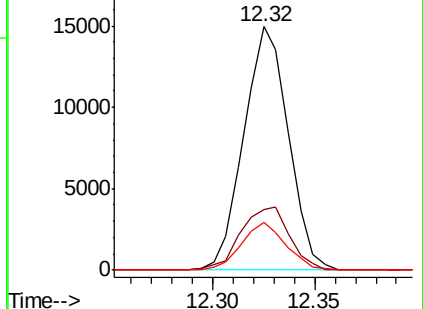
77 19.7 12.9 19.3#

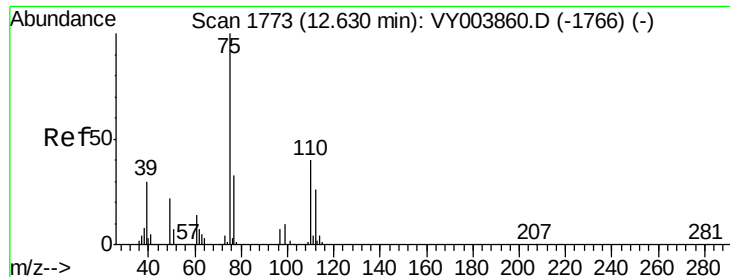


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

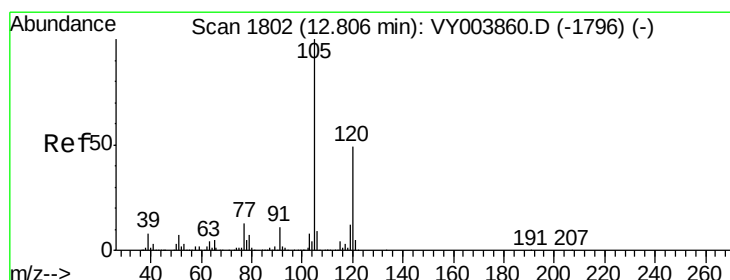
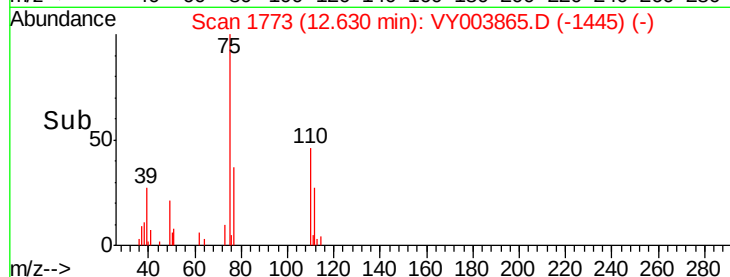
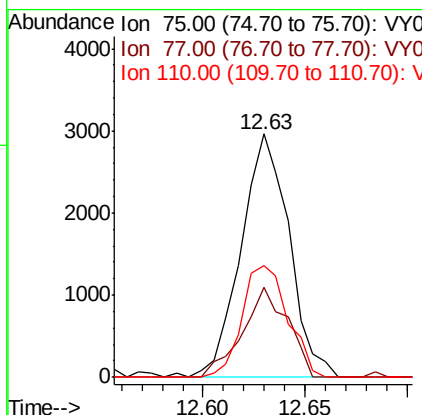
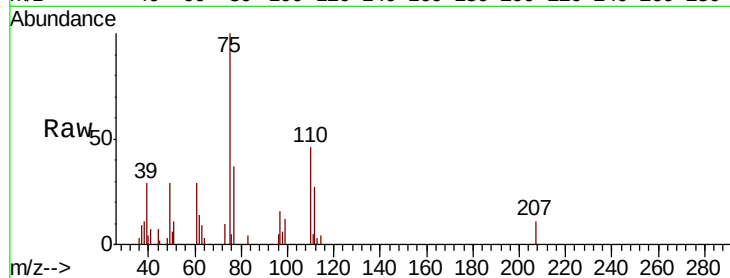




#61
 1,2,3-Trichloropropane
 Concen: 1.161 ug/L
 RT: 12.63 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

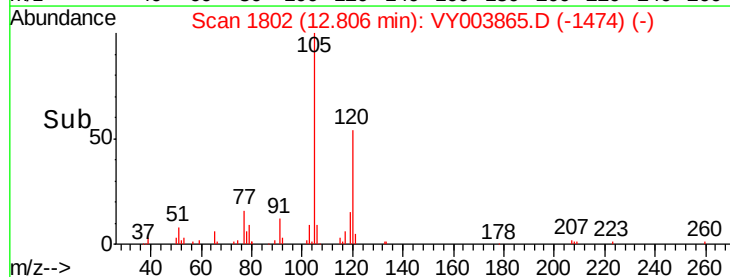
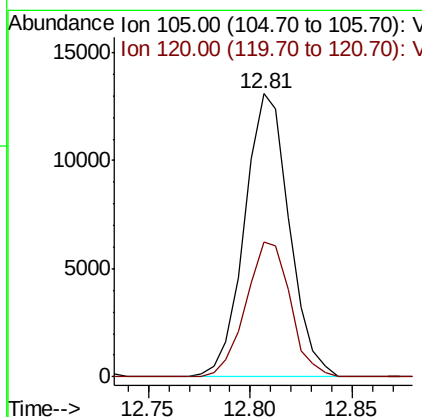
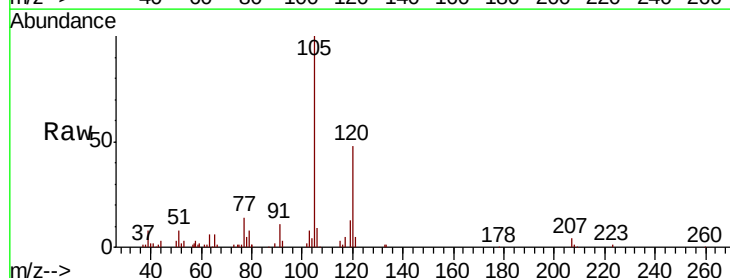
Instrument :
 MSVOA_Y
 ClientSampleId :

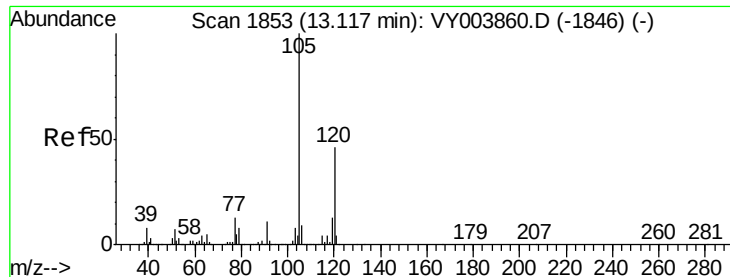
Tot Ion: 75 Resp: 4851
 Ion Ratio Lower Upper
 75 100
 77 34.8 26.2 39.4
 110 43.8 32.4 48.6



#62
 1,3,5-Trimethylbenzene
 Concen: 1.070 ug/L
 RT: 12.81 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Tgt Ion: 105 Resp: 19994
 Ion Ratio Lower Upper
 105 100
 120 47.1 39.0 58.4





#63

1,2,4-Trimethylbenzene

Concen: 0.973 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

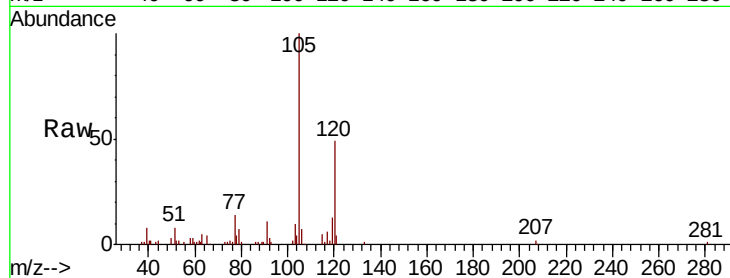
ClientSampled :

Tot Ion:105 Resp: 18416

Ion Ratio Lower Upper

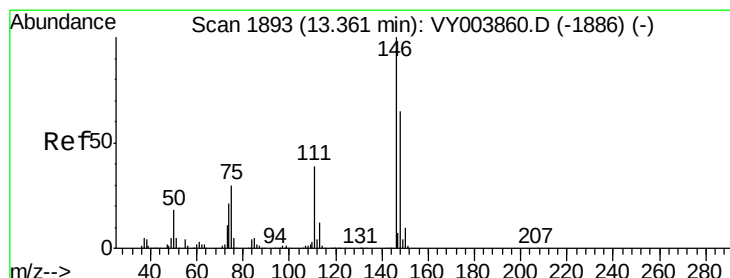
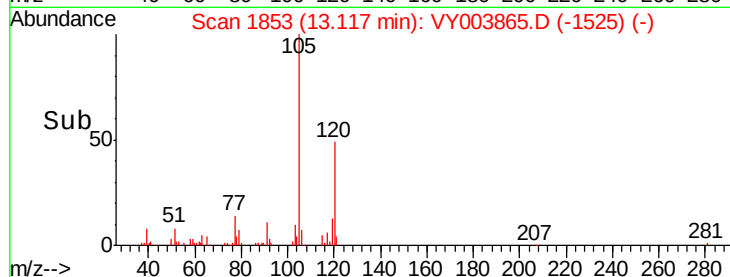
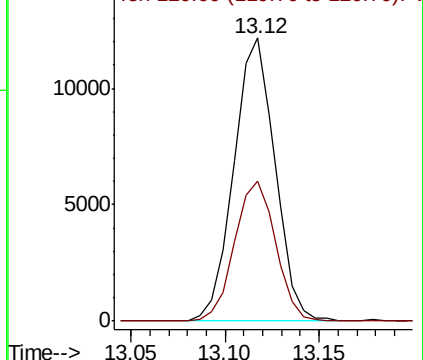
105 100

120 49.1 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#64

1,3-Dichlorobenzene

Concen: 1.190 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

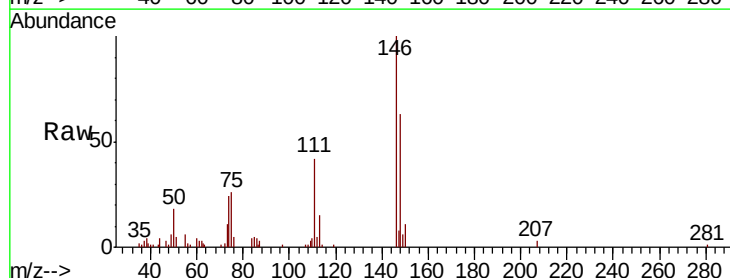
Tgt Ion:146 Resp: 12968

Ion Ratio Lower Upper

146 100

111 41.6 27.7 51.5

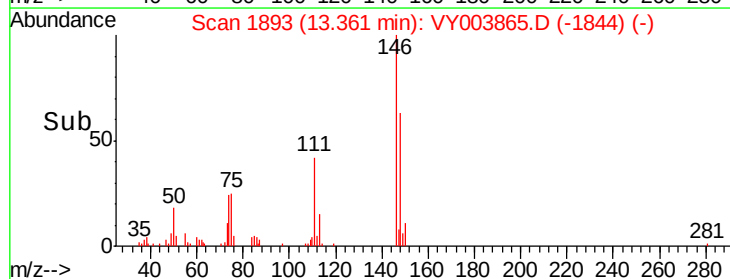
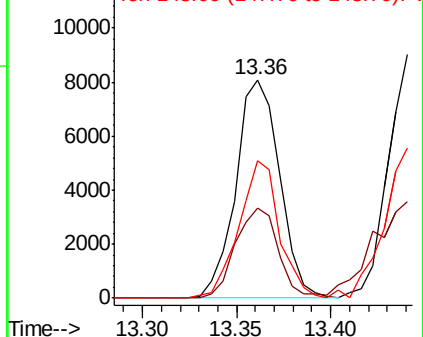
148 63.2 45.4 84.4

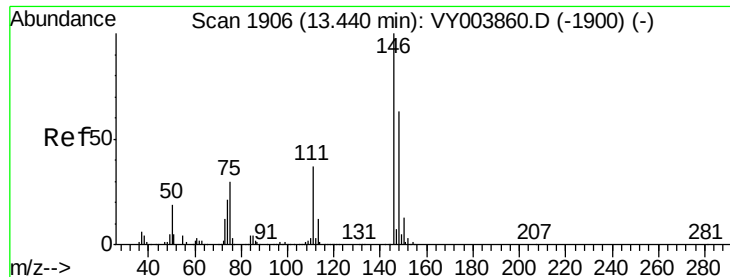


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

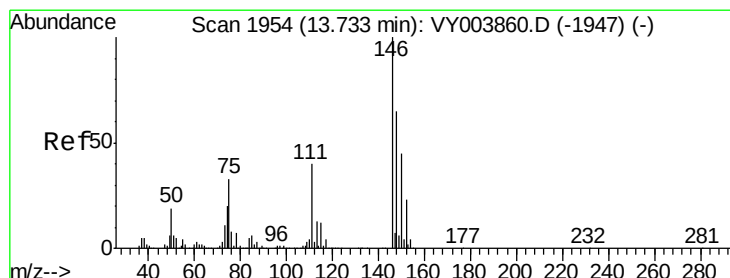
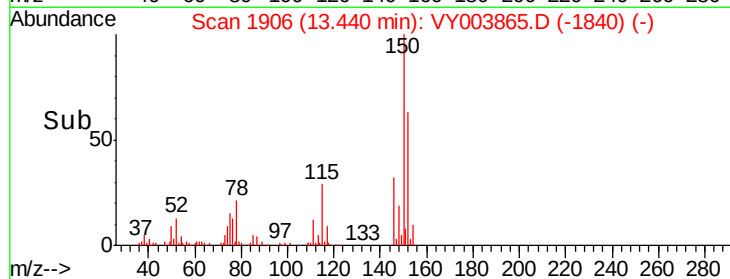
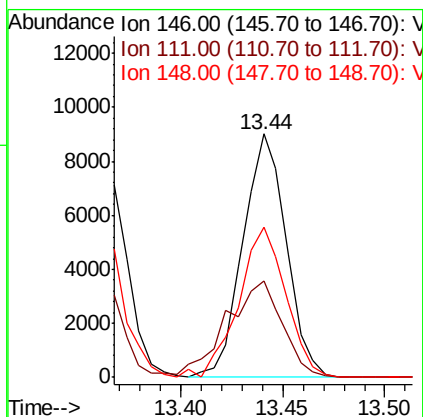
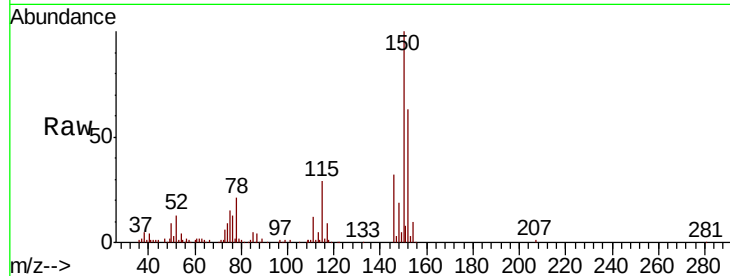




#65
 1,4-Dichlorobenzene
 Concen: 1.205 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

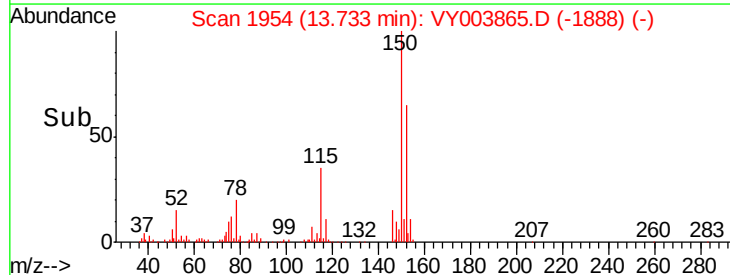
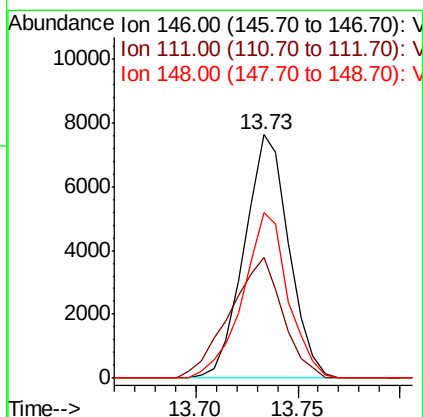
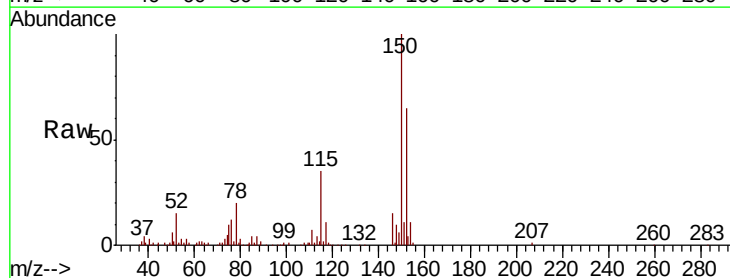
Instrument :
 MSVOA_Y
 ClientSampled :

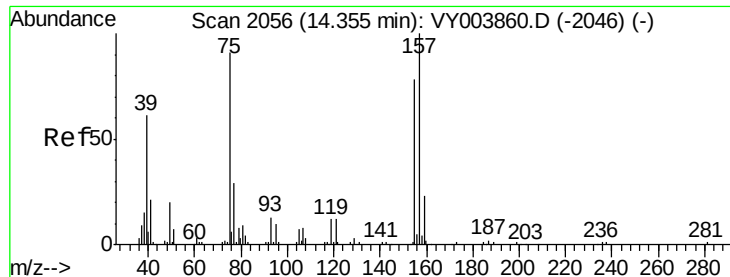
Tot Ion:146 Resp: 13298
 Ion Ratio Lower Upper
 146 100
 111 39.4 25.7 47.7
 148 61.5 44.4 82.4



#67
 1,2-Dichlorobenzene
 Concen: 1.137 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Tgt Ion:146 Resp: 11600
 Ion Ratio Lower Upper
 146 100
 111 49.8 31.3 46.9#
 148 67.9 51.0 76.4





#68

1,2-Dibromo-3-chloropropane

Concen: 1.303 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

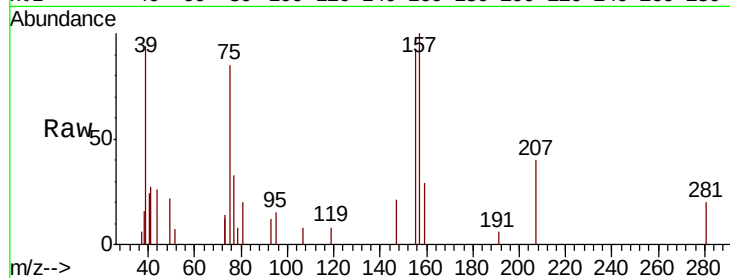
Tot Ion: 75 Resp: 1354

Ion Ratio Lower Upper

75 100

155 108.1 68.2 102.4#

157 117.4 90.2 135.4

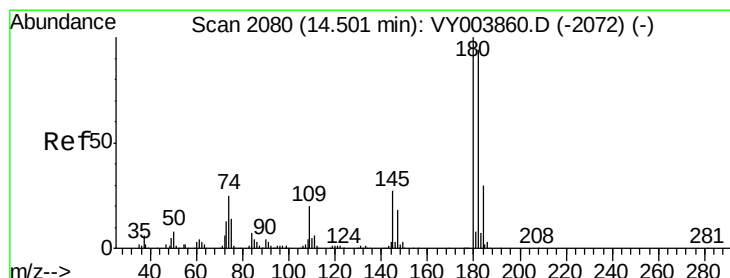
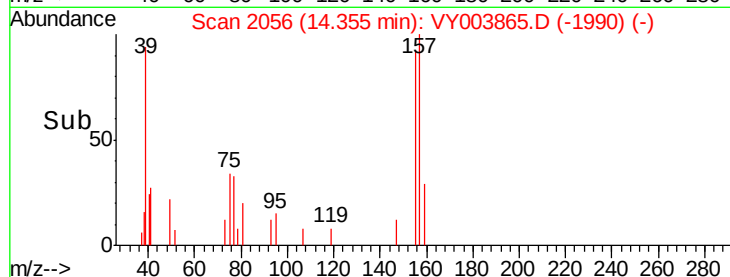
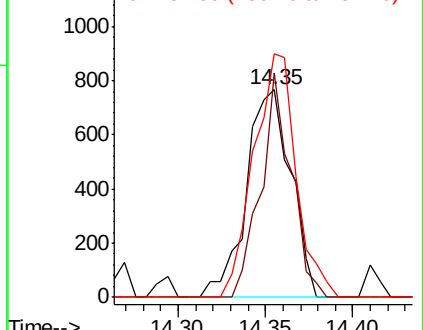


Abundance

Ion 75.00 (74.70 to 75.70): VY003865.D (-1990) (-)

Ion 155.00 (154.70 to 155.70): VY003865.D (-1990) (-)

Ion 157.00 (156.70 to 157.70): VY003865.D (-1990) (-)



#69

1,3,5-Trichlorobenzene

Concen: 1.219 ug/L

RT: 14.50 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Tgt Ion: 180 Resp: 10360

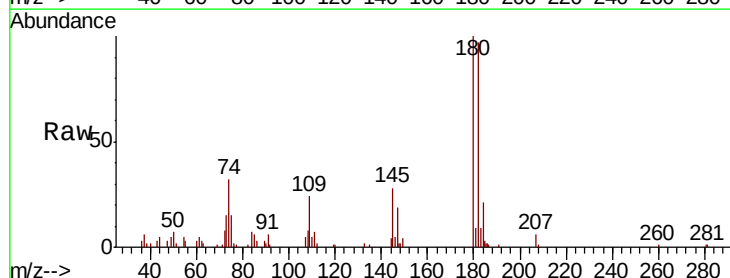
Ion Ratio Lower Upper

180 100

182 93.8 75.6 113.4

184 27.4 24.9 37.3

145 25.7 21.8 32.6



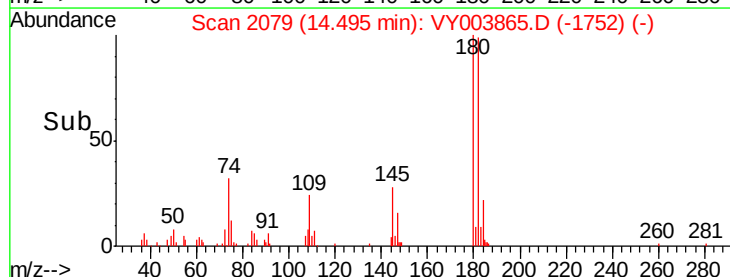
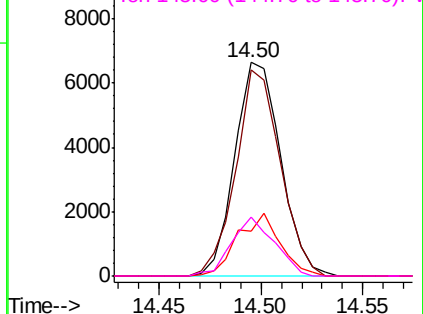
Abundance

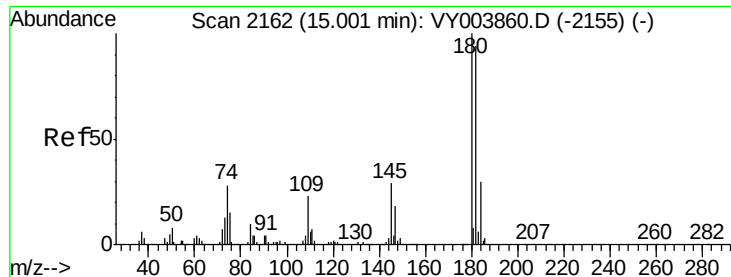
Ion 180.00 (179.70 to 180.70): VY003865.D (-1752) (-)

Ion 182.00 (181.70 to 182.70): VY003865.D (-1752) (-)

Ion 184.00 (183.70 to 184.70): VY003865.D (-1752) (-)

Ion 145.00 (144.70 to 145.70): VY003865.D (-1752) (-)

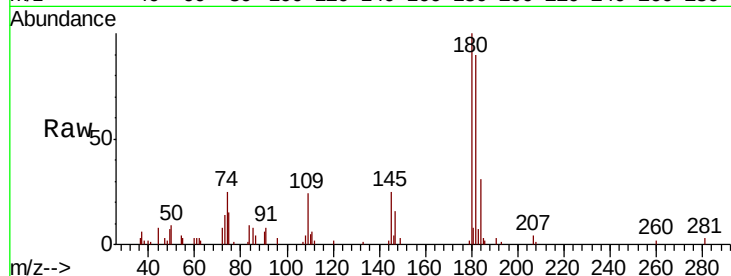




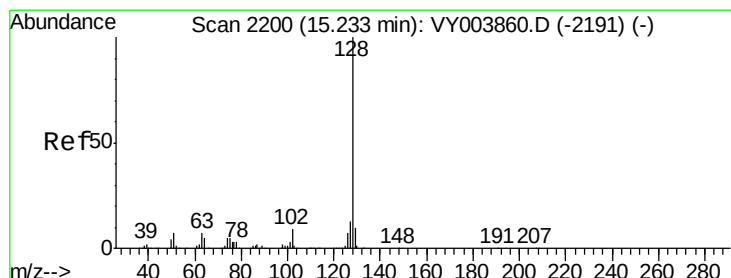
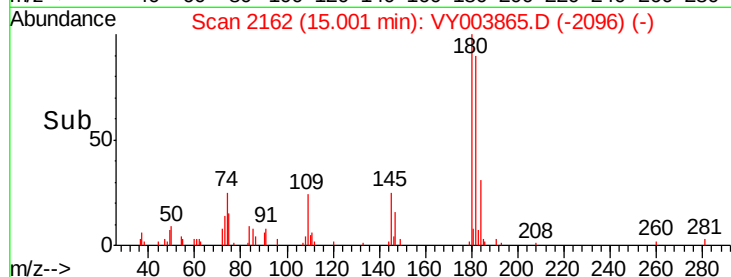
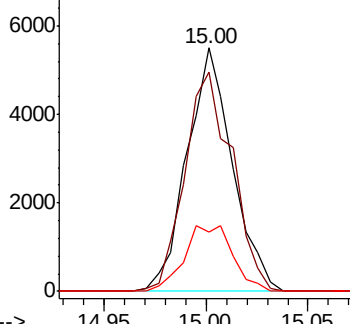
#70
1,2,4-trichlorobenzene
Concen: 1.182 ug/L
RT: 15.00 min Scan# 2162
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:180 Resp: 8512
Ion Ratio Lower Upper
180 100
182 93.3 76.1 114.1
145 28.8 22.6 33.8

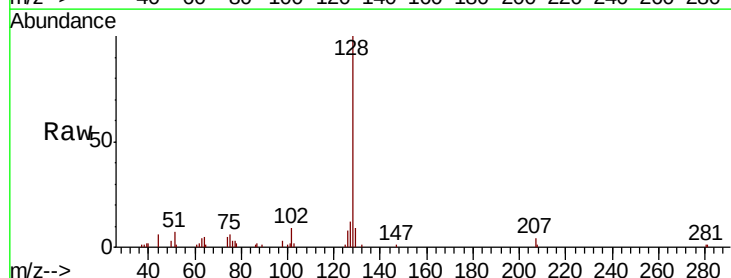


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

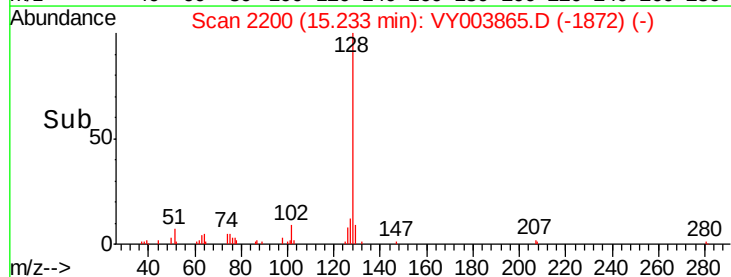
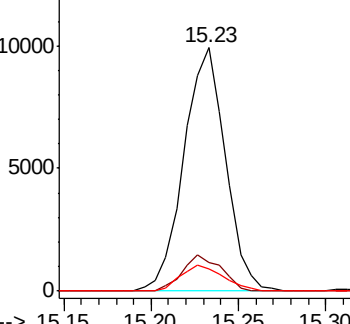


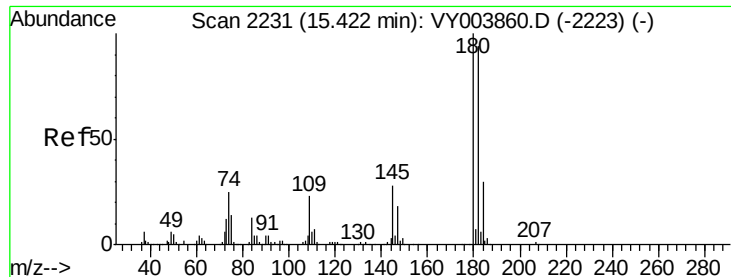
#71
Naphthalene
Concen: 1.089 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Tgt Ion:128 Resp: 16380
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 10.8 8.9 13.3



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

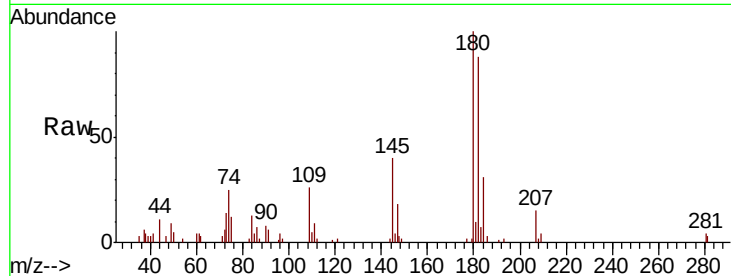




#72
 1,2,3-Trichlorobenzene
 Concen: 1.153 ug/L
 RT: 15.42 min Scan# 2231
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 7334
 Ion Ratio Lower Upper
 180 100
 182 92.4 74.6 111.8
 145 32.0 23.3 34.9



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

