

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123020\
 Data File : VY003864.D
 Acq On : 30 Dec 2020 13:45
 Operator : SY/MD
 Sample : L4485-04
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 03:41:38 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	327840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	309284	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	170920	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	100449	18.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.44%
7) Chloroethane-d5	2.77	69	88224	20.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	3.86	63	140004	14.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.52%
21) 2-Butanone-d5	6.89	46	105574	50.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.10%
24) Chloroform-d	7.48	84	196476	21.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	8.14	65	129426	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.76%
32) Benzene-d6	8.11	84	366993	21.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.36%
36) 1,2-Dichloropropane-d6	9.12	67	116299	22.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.72%
41) Toluene-d8	10.18	98	333781	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	10.43	79	61728	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.28%
47) 2-Hexanone-d5	10.79	63	76949	48.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.84%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	119388	23.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.76%
66) 1,2-Dichlorobenzene-d4	13.72	152	141457	22.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	8076	1.470 ug/L	89
3) Chloromethane	2.12	50	8551	1.390 ug/L	97
5) Vinyl chloride	2.25	62	10036	1.538 ug/L	83
6) Bromomethane	2.66	94	5814	1.457 ug/L	92
8) Chloroethane	2.80	64	5824	1.479 ug/L	98
9) Trichlorofluoromethane	3.13	101	12681	1.455 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	6648	1.452 ug/L #	74
12) 1,1-Dichloroethene	3.87	96	6627	1.542 ug/L #	1
13) Acetone	3.95	43	5422	3.446 ug/L	71
14) Carbon disulfide	4.19	76	18015	1.246 ug/L	99
15) Methyl Acetate	4.48	43	5237m	1.447 ug/L	
16) Methylene chloride	4.72	84	16215	3.084 ug/L	97
17) trans-1,2-Dichloroethene	5.22	96	6374	1.356 ug/L	80
18) Methyl tert-butyl Ether	5.22	73	17225	1.240 ug/L #	84
19) 1,1-Dichloroethane	6.02	63	11647	1.371 ug/L	94
20) cis-1,2-Dichloroethene	7.00	96	7453	1.466 ug/L	94
22) 2-Butanone	6.99	43	8923	3.659 ug/L	97

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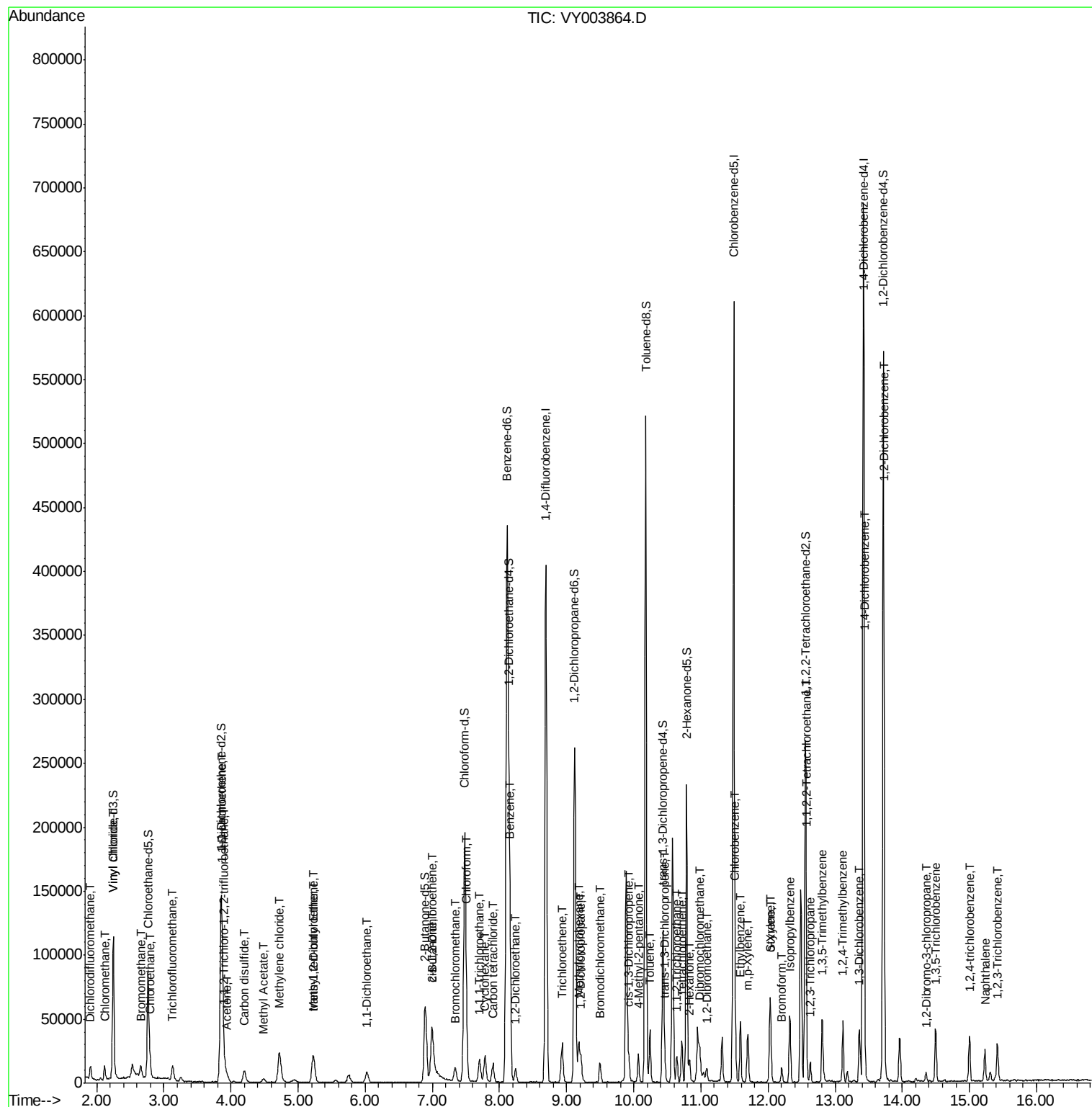
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.33	128	3462	1.377	ug/L	80
25) Chloroform	7.51	83	14260	1.601	ug/L	82
27) 1,2-Dichloroethane	8.23	62	9612	1.389	ug/L	96
29) Cyclohexane	7.78	56	9934	1.226	ug/L	99
30) 1,1,1-Trichloroethane	7.70	97	11666	1.401	ug/L	95
31) Carbon tetrachloride	7.90	117	10427	1.354	ug/L	99
33) Benzene	8.16	78	27576	1.459	ug/L	100
34) Trichloroethene	8.93	95	7233	1.384	ug/L	93
35) Methylcyclohexane	9.18	83	11634	1.368	ug/L	99
37) 1,2-Dichloropropane	9.21	63	6937	1.441	ug/L	98
38) Bromodichloromethane	9.49	83	9047	1.334	ug/L	87
39) cis-1,3-Dichloropropene	9.92	75	10397	1.264	ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	14194	2.762	ug/L	98
42) Toluene	10.24	91	28078	1.343	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	13604	1.714	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	5490	1.328	ug/L	92
46) Tetrachloroethene	10.72	164	6257	1.384	ug/L	93
48) 2-Hexanone	10.83	43	10389	2.775	ug/L	96
49) Dibromochloromethane	10.98	129	7035	1.344	ug/L	92
50) 1,2-Dibromoethane	11.09	107	5633	1.380	ug/L	91
51) Chlorobenzene	11.51	112	18757	1.387	ug/L	95
52) Ethylbenzene	11.59	91	31918	1.362	ug/L	100
53) m,p-Xylene	11.70	106	11828	1.331	ug/L	96
54) o-Xylene	12.03	106	11471	1.326	ug/L	96
55) Styrene	12.04	104	18932	1.266	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.57	83	7740	1.582	ug/L #	97
59) Bromoform	12.20	173	4817	1.306	ug/L #	91
60) Isopropylbenzene	12.32	105	30185	1.336	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	6206	1.478	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	24703	1.316	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	23661	1.244	ug/L	97
64) 1,3-Dichlorobenzene	13.36	146	15857	1.449	ug/L	94
65) 1,4-Dichlorobenzene	13.44	146	16290	1.470	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	14476	1.412	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.35	75	1542	1.478	ug/L	93
69) 1,3,5-Trichlorobenzene	14.49	180	11899	1.394	ug/L	93
70) 1,2,4-trichlorobenzene	15.00	180	10949	1.513	ug/L	91
71) Naphthalene	15.23	128	19793	1.310	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	9023	1.412	ug/L	95

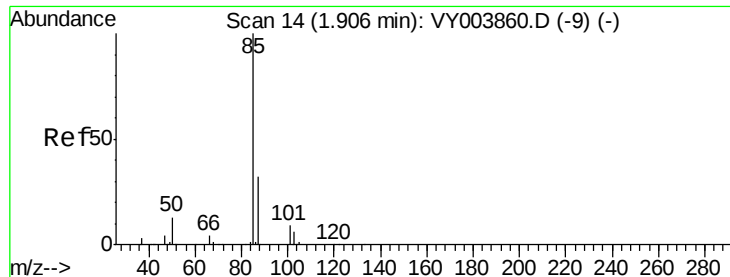
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.470 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

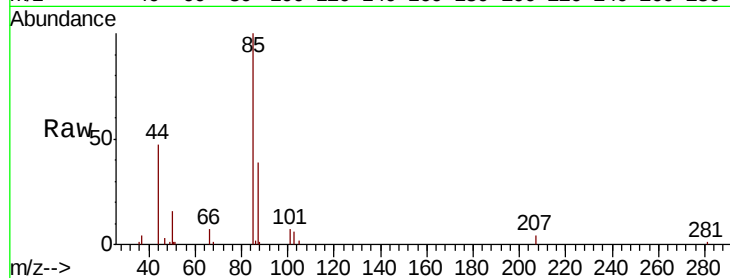
ClientSampleId :

Tot Ion: 85 Resp: 8076

Ion Ratio Lower Upper

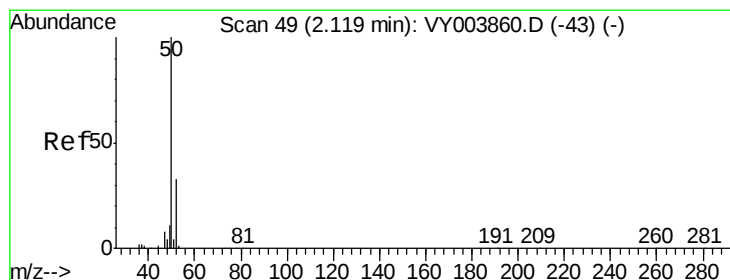
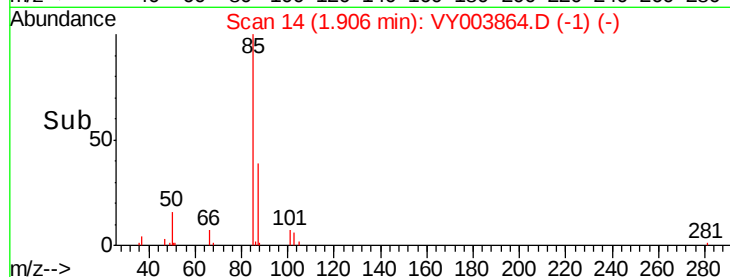
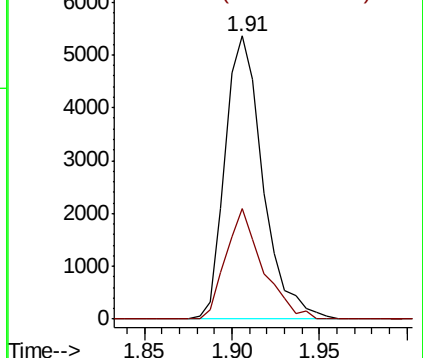
85 100

87 37.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.390 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003864.D

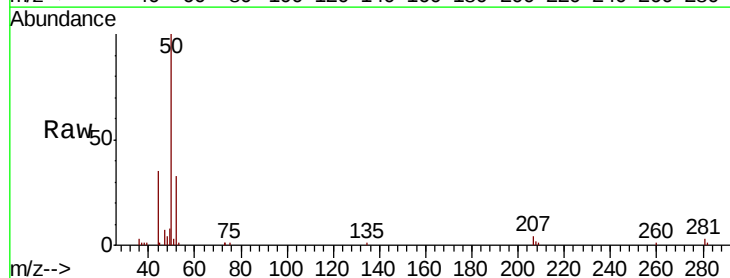
Acq: 30 Dec 2020 13:45

Tgt Ion: 50 Resp: 8551

Ion Ratio Lower Upper

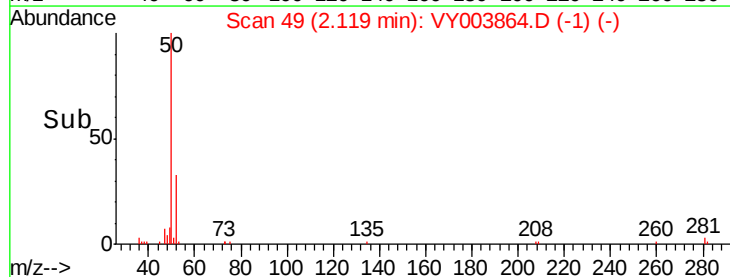
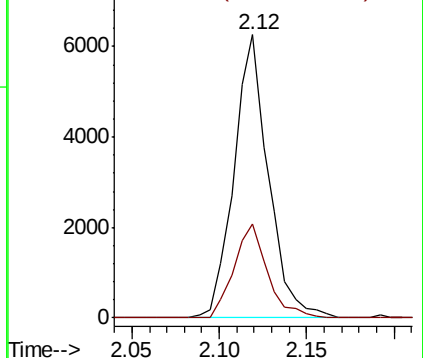
50 100

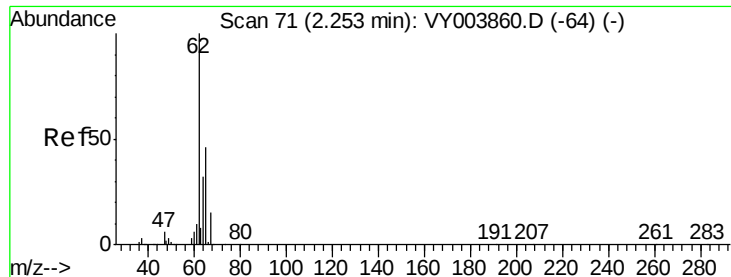
52 33.0 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.538 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

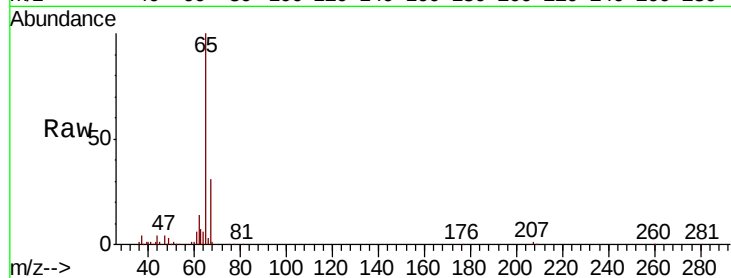
ClientSampleId :

Tot Ion: 62 Resp: 10036

Ion Ratio Lower Upper

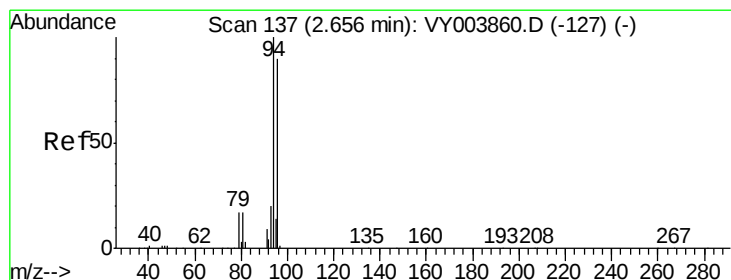
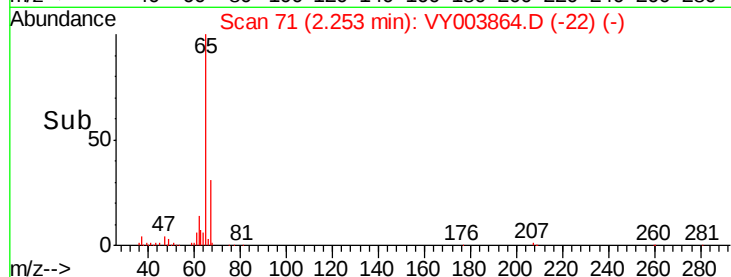
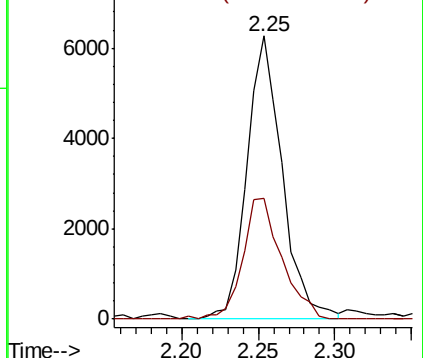
62 100

64 42.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 1.457 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.00 min

Lab File: VY003864.D

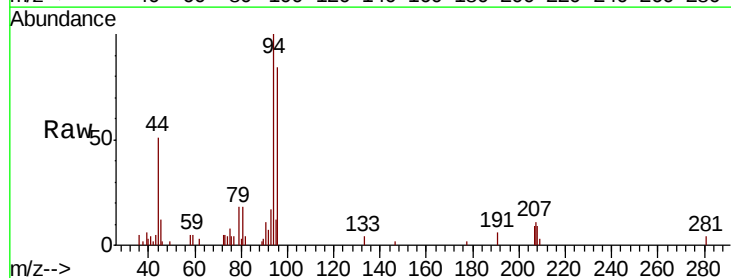
Acq: 30 Dec 2020 13:45

Tgt Ion: 94 Resp: 5814

Ion Ratio Lower Upper

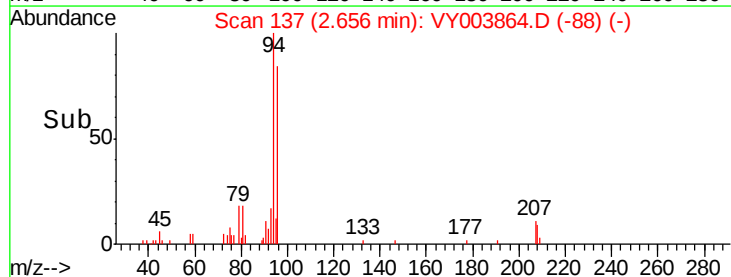
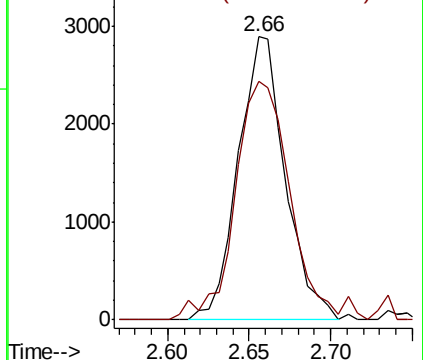
94 100

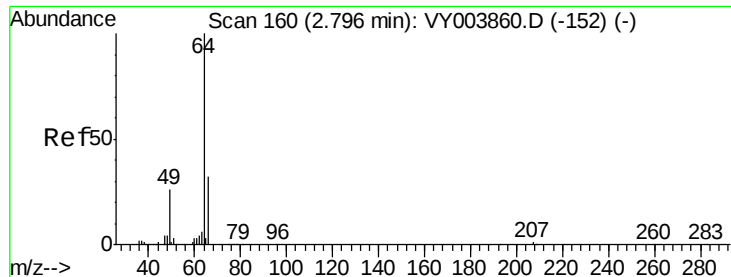
96 84.3 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 1.479 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

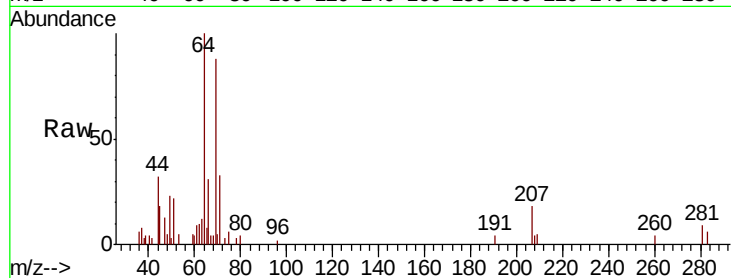
ClientSampleId :

Tot Ion: 64 Resp: 5824

Ion Ratio Lower Upper

64 100

66 31.1 22.5 41.7



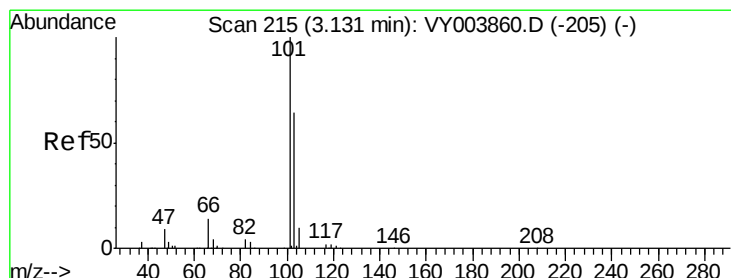
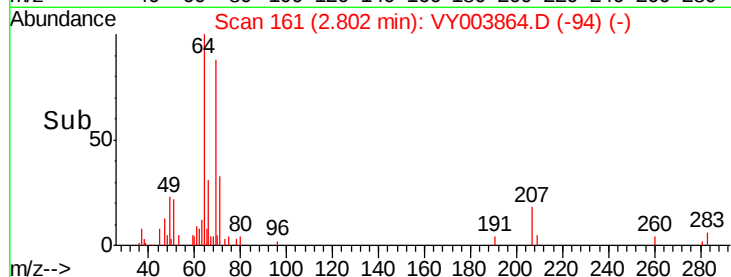
Abundance Ion 64.00 (63.70 to 64.70): VY003860.D (-152) (-)

Ion 66.00 (65.70 to 66.70): VY003860.D (-152) (-)

2.80

2.75 2.80 2.85 2.90

Time-->



#9

Trichlorofluoromethane

Concen: 1.455 ug/L

RT: 3.13 min Scan# 214

Delta R.T. -0.01 min

Lab File: VY003864.D

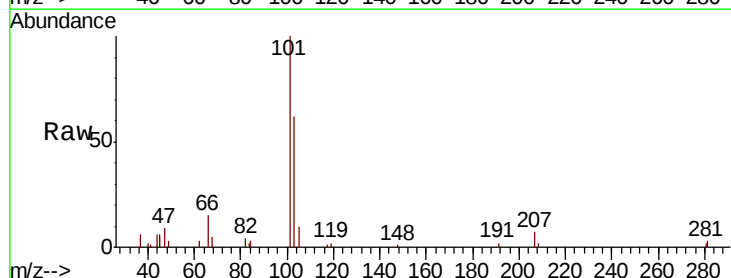
Acq: 30 Dec 2020 13:45

Tgt Ion: 101 Resp: 12681

Ion Ratio Lower Upper

101 100

103 63.3 51.4 77.0



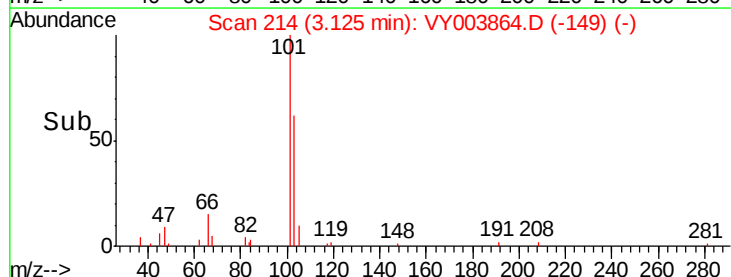
Abundance Ion 101.00 (100.70 to 101.70): VY003860.D (-205) (-)

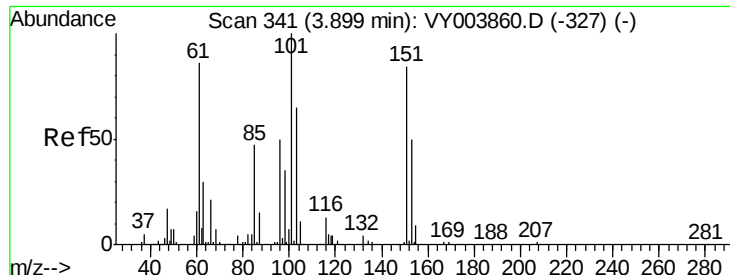
Ion 103.00 (102.70 to 103.70): VY003860.D (-205) (-)

3.13

3.05 3.10 3.15 3.20

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.452 ug/L

RT: 3.91 min Scan# 342

Delta R.T. 0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

ClientSampled :

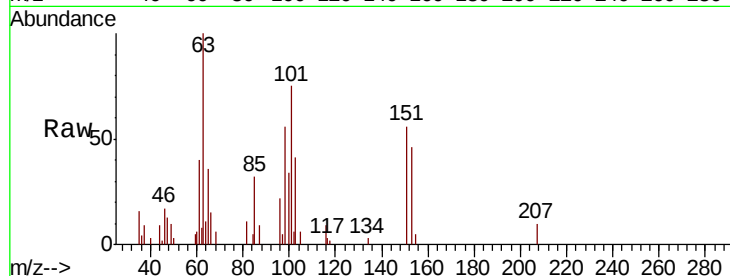
Tot Ion:101 Resp: 6648

Ion Ratio Lower Upper

101 100

85 3.4 37.1 55.7#

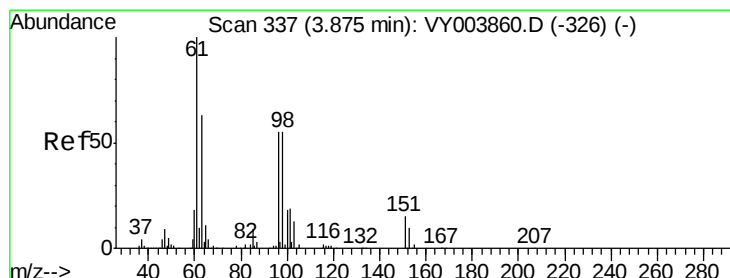
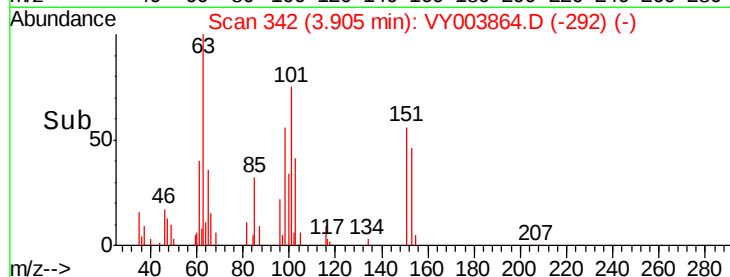
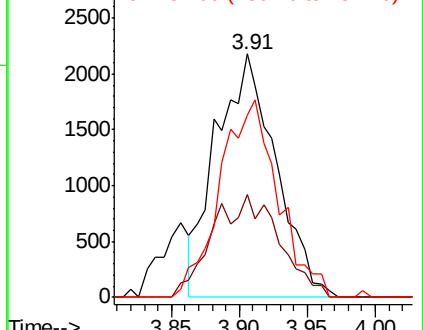
151 79.2 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VY003860.D (-327) (-)

Ion 85.00 (84.70 to 85.70): VY003860.D (-327) (-)

Ion 151.00 (150.70 to 151.70): VY003860.D (-327) (-)



#12

1,1-Dichloroethene

Concen: 1.542 ug/L

RT: 3.87 min Scan# 336

Delta R.T. -0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

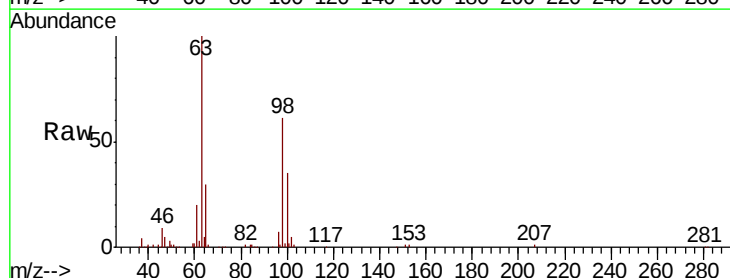
Tgt Ion: 96 Resp: 6627

Ion Ratio Lower Upper

96 100

61 299.9 123.8 230.0#

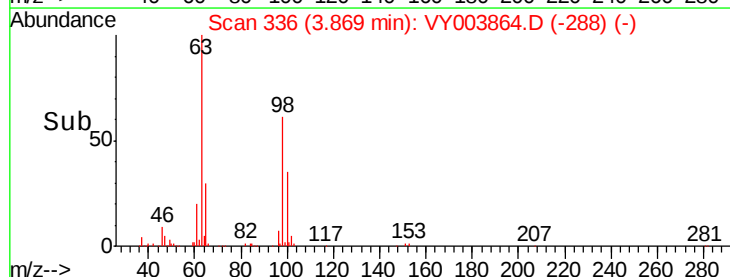
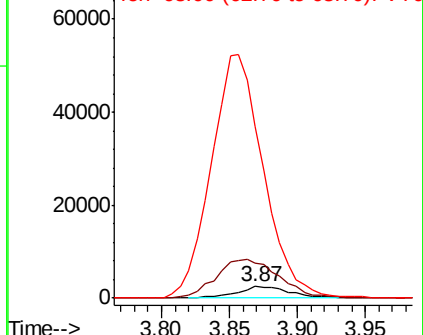
63 1486.9 85.3 158.3#

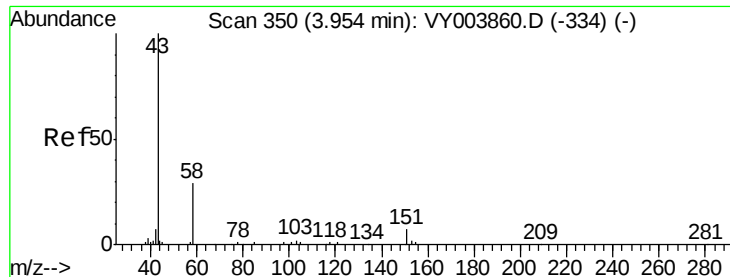


Abundance Ion 96.00 (95.70 to 96.70): VY003860.D (-326) (-)

Ion 61.00 (60.70 to 61.70): VY003860.D (-326) (-)

Ion 63.00 (62.70 to 63.70): VY003860.D (-326) (-)





#13

Acetone

Concen: 3.446 ug/L

RT: 3.95 min Scan# 349

Delta R.T. -0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

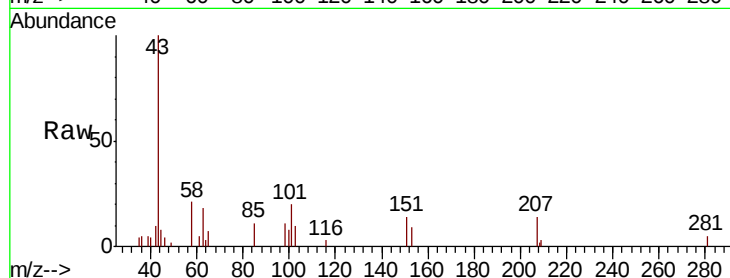
ClientSampleId :

Tot Ion: 43 Resp: 5422

Ion Ratio Lower Upper

43 100

58 13.5 0.0 58.4

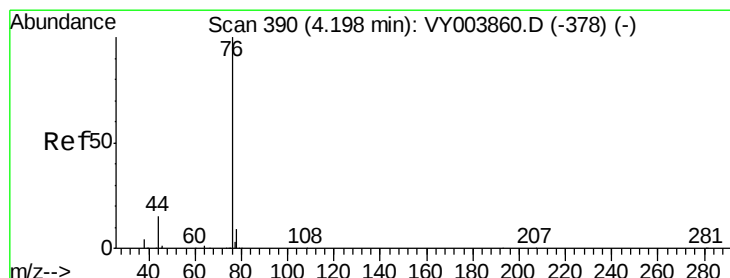
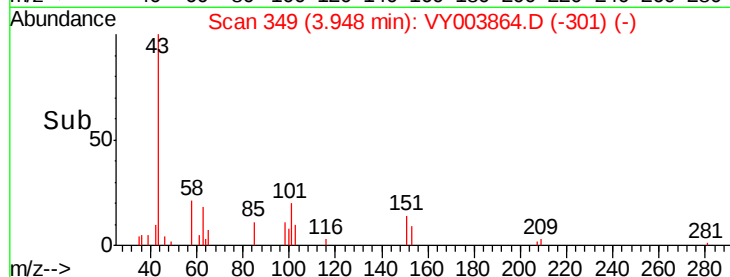


Abundance Ion 43.00 (42.70 to 43.70): VY003860.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VY003860.D (-334) (-)

Time-->

3.95



#14

Carbon disulfide

Concen: 1.246 ug/L

RT: 4.19 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY003864.D

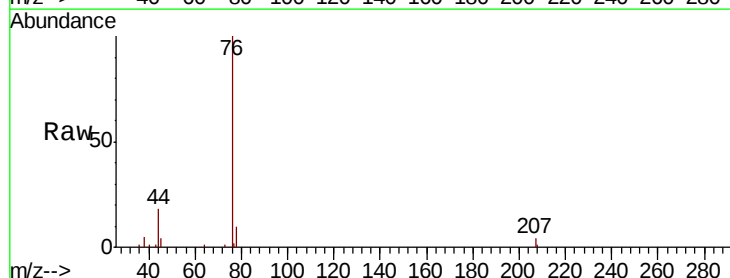
Acq: 30 Dec 2020 13:45

Tgt Ion: 76 Resp: 18015

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

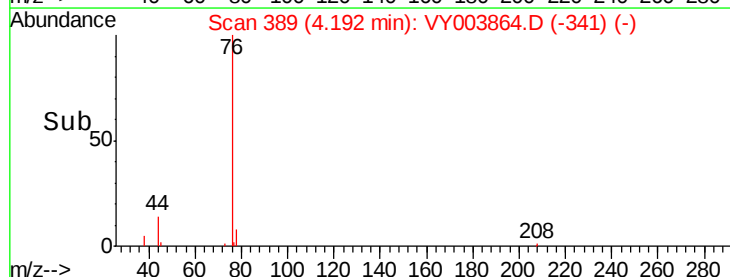


Abundance Ion 76.00 (75.70 to 76.70): VY003860.D (-378) (-)

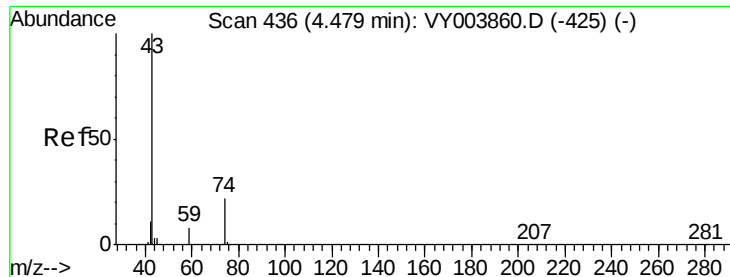
Ion 78.00 (77.70 to 78.70): VY003860.D (-378) (-)

Time-->

4.19



Time-->



#15

Methyl Acetate

Concen: 1.447 ug/L m

RT: 4.48 min Scan# 436

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

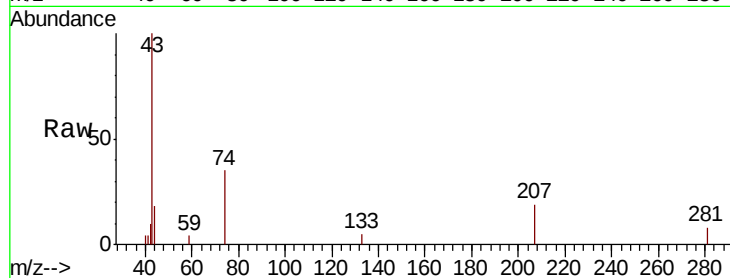
ClientSampleId :

Tot Ion: 43 Resp: 5237

Ion Ratio Lower Upper

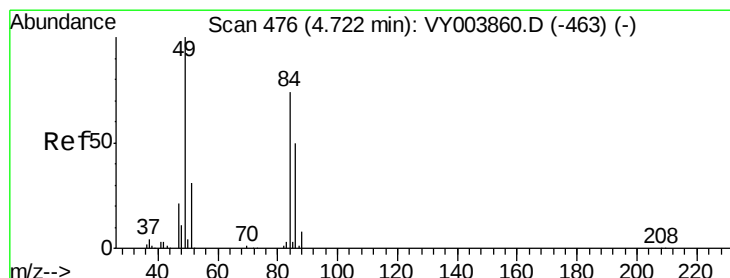
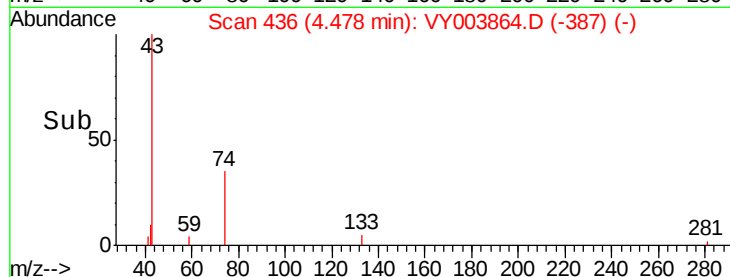
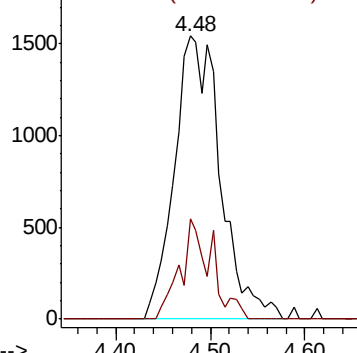
43 100

74 11.2 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



#16

Methylene chloride

Concen: 3.084 ug/L

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

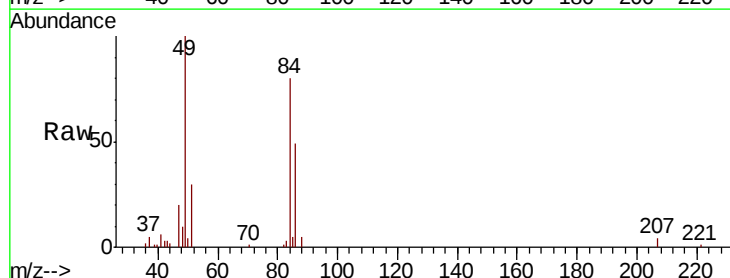
Tgt Ion: 84 Resp: 16215

Ion Ratio Lower Upper

84 100

86 61.6 42.1 78.3

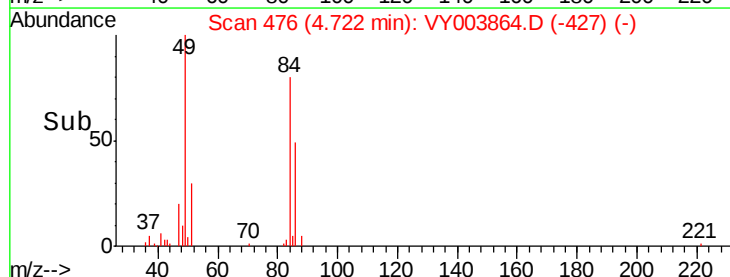
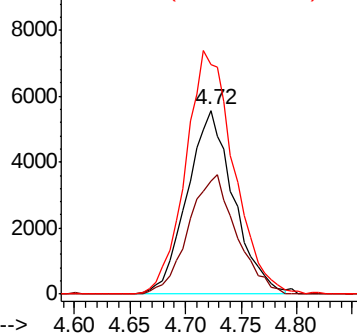
49 125.1 90.3 167.7

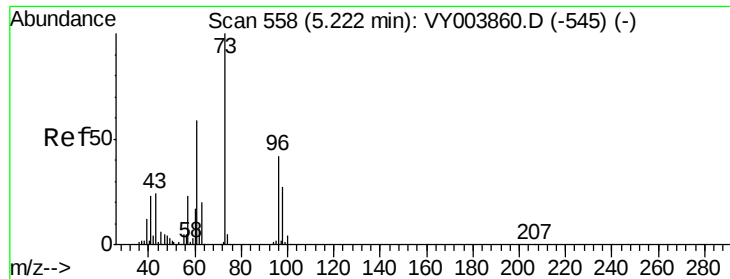


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

Ion 49.00 (48.70 to 49.70): VY0





#17

trans-1,2-Dichloroethene

Concen: 1.356 ug/L

RT: 5.22 min Scan# 558

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

ClientSampleId :

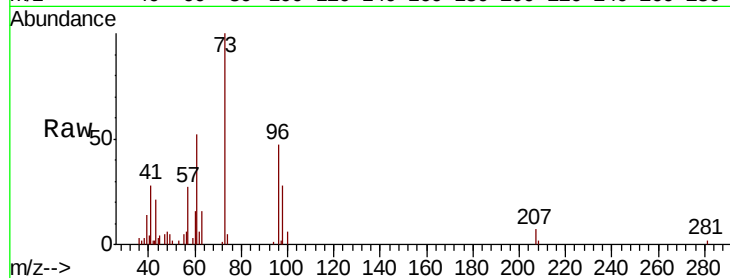
Tot Ion: 96 Resp: 6374

Ion Ratio Lower Upper

96 100

61 112.1 101.7 188.9

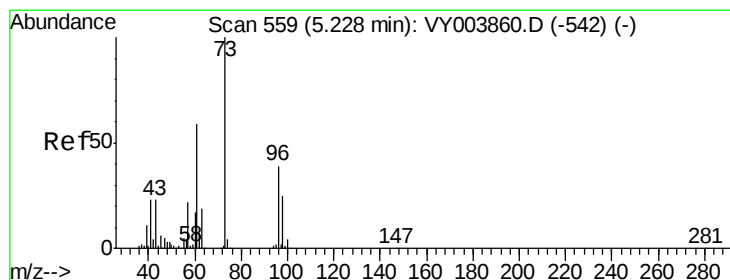
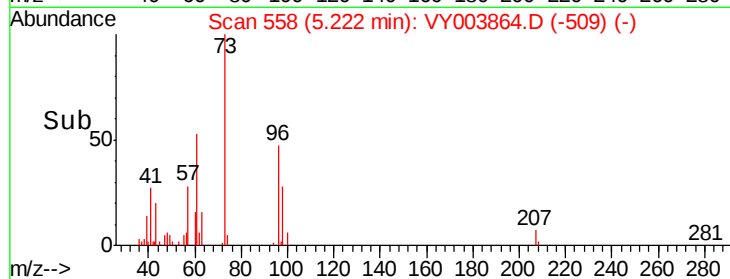
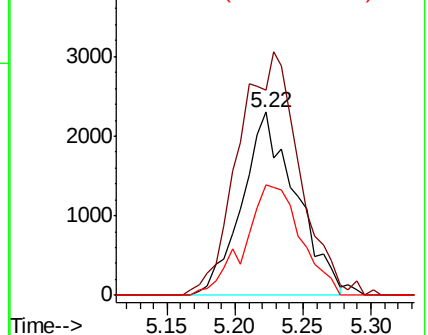
98 60.2 44.3 82.3



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: 1.240 ug/L

RT: 5.22 min Scan# 558

Delta R.T. -0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

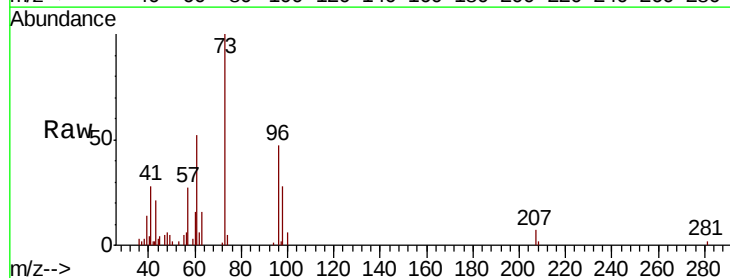
Tgt Ion: 73 Resp: 17225

Ion Ratio Lower Upper

73 100

43 8.2 18.4 27.6#

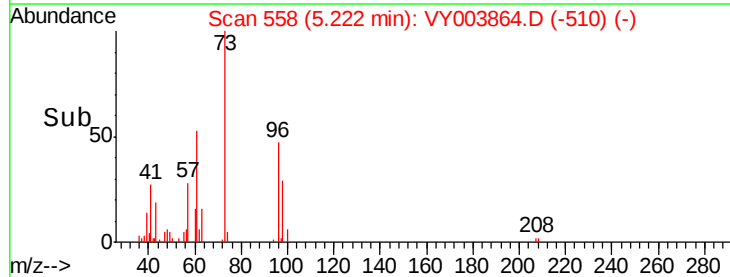
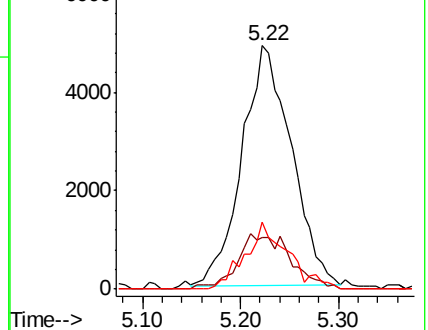
57 21.8 17.6 26.4

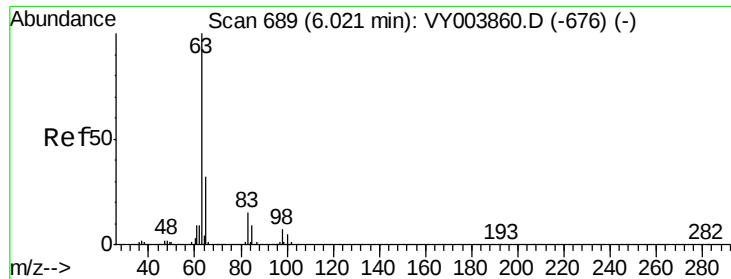


Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

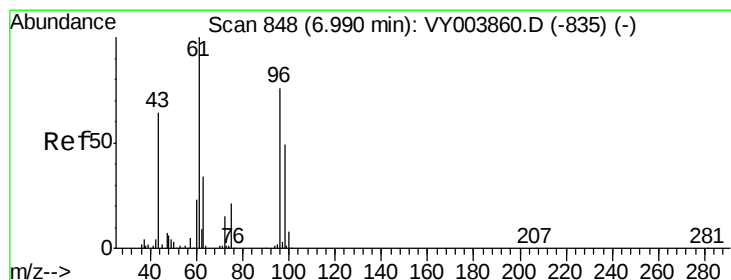
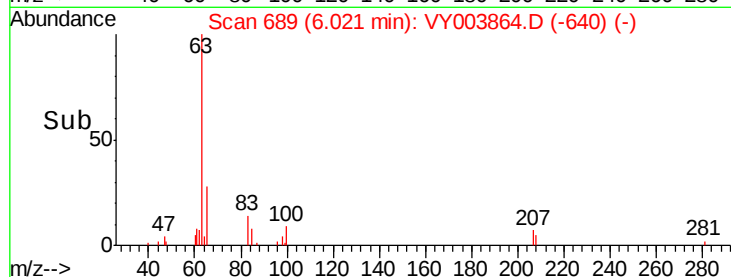
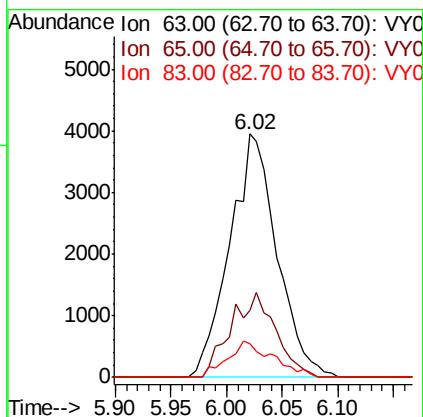
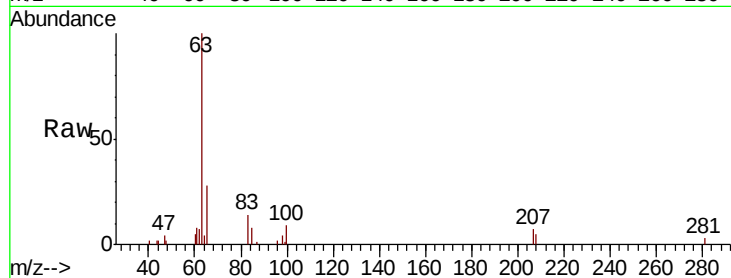




#19
 1,1-Dichloroethane
 Concen: 1.371 ug/L
 RT: 6.02 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

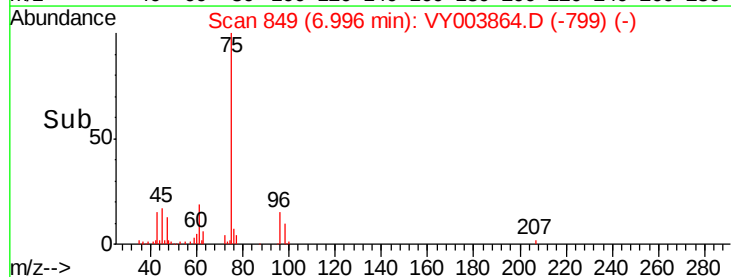
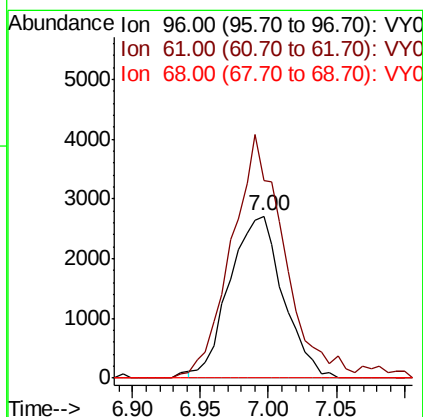
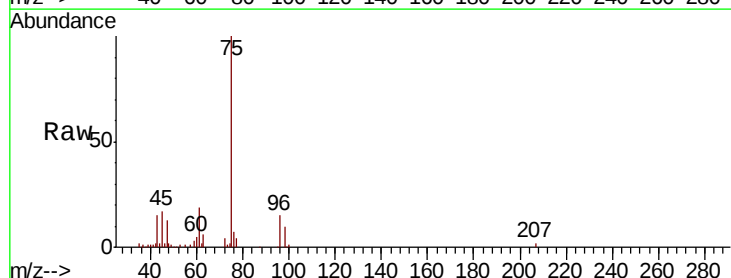
Instrument :
 MSVOA_Y
 ClientSampleId :

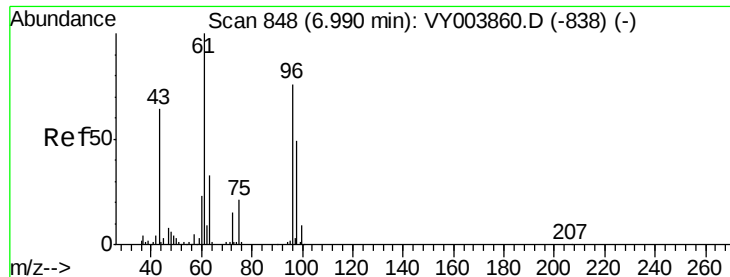
Tot Ion	Ratio	Lower	Upper
63	100		
65	27.6	21.9	40.7
83	14.0	8.7	16.1



#20
 cis-1,2-Dichloroethene
 Concen: 1.466 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.3	90.6	168.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.659 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

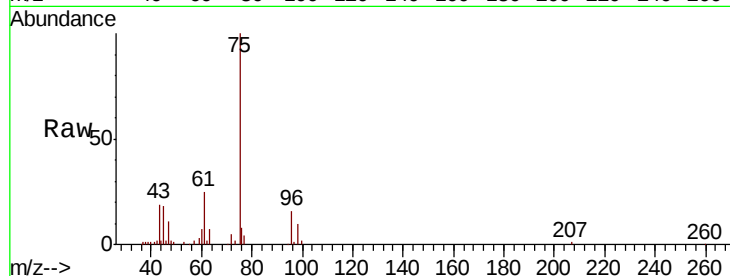
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 8923

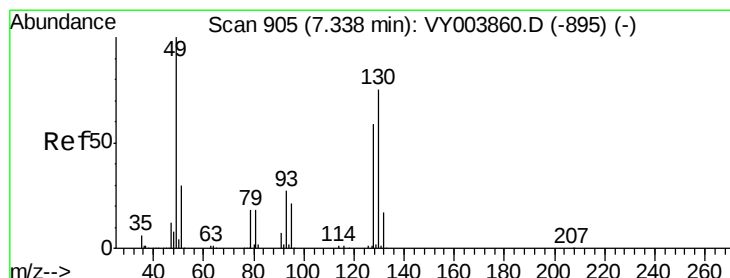
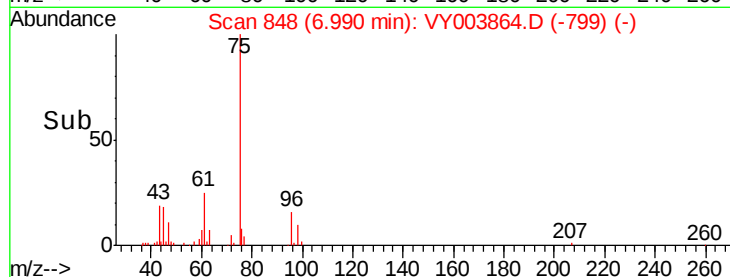
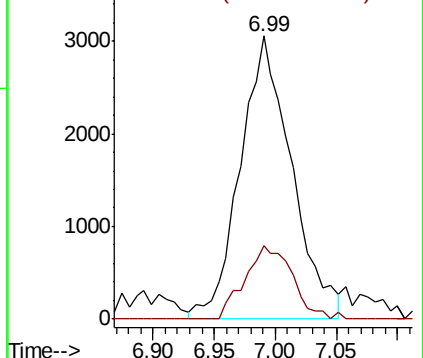
Ion Ratio Lower Upper

43 100

72 23.7 12.6 37.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 1.377 ug/L

RT: 7.33 min Scan# 904

Delta R.T. -0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Tgt Ion:128 Resp: 3462

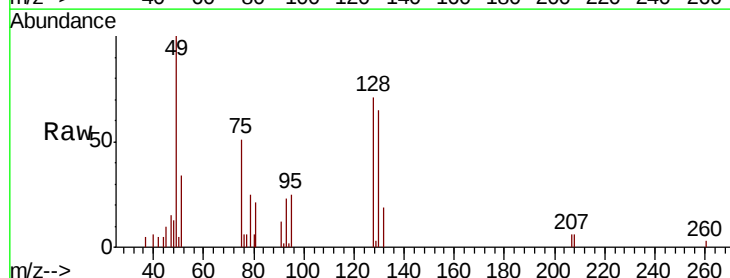
Ion Ratio Lower Upper

128 100

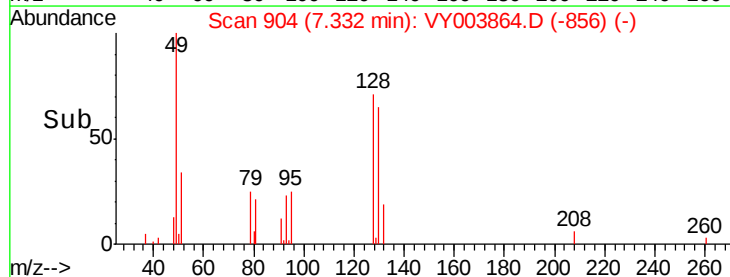
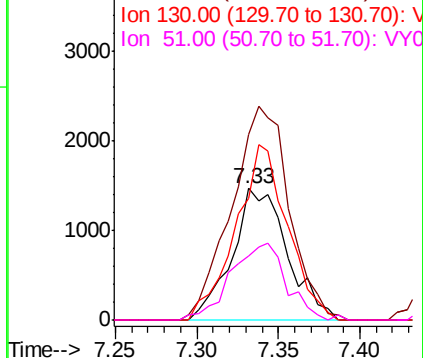
49 141.3 114.4 212.4

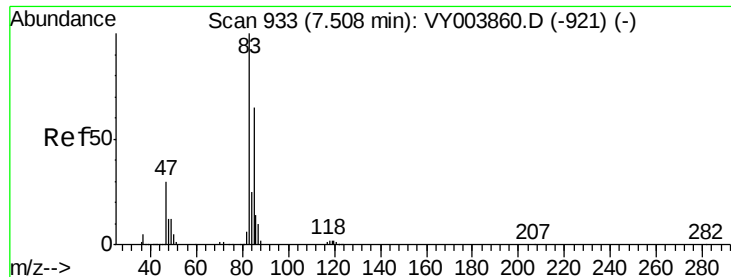
130 92.0 88.8 164.8

51 48.5 41.0 61.6



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





#25

Chloroform

Concen: 1.601 ug/L

RT: 7.51 min Scan# 933

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

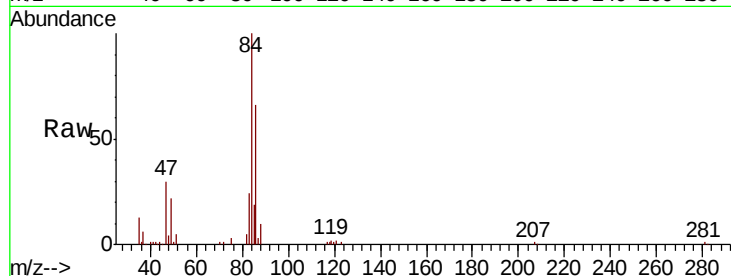
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 14260

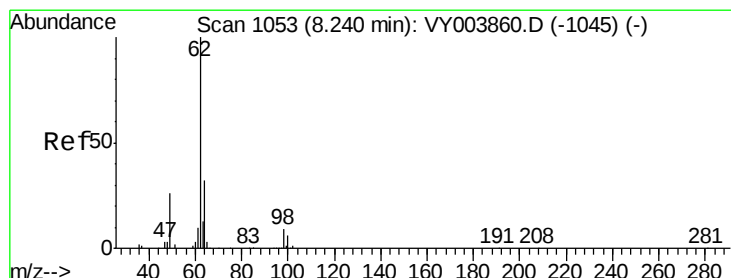
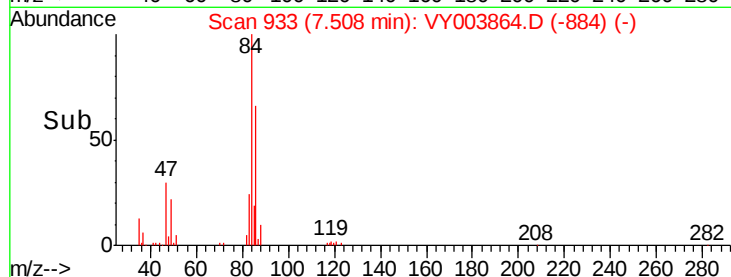
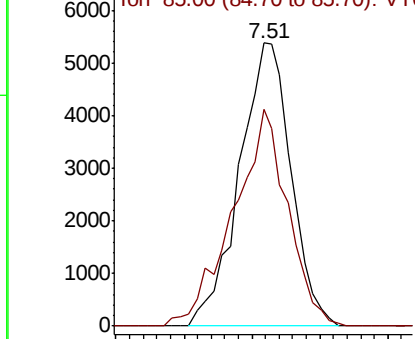
Ion Ratio Lower Upper

83 100

85 76.8 44.2 82.2



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



#27

1,2-Dichloroethane

Concen: 1.389 ug/L

RT: 8.23 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY003864.D

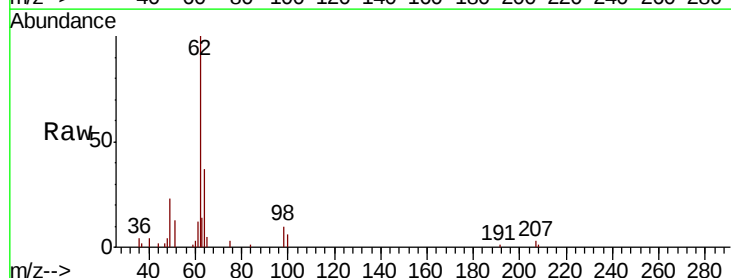
Acq: 30 Dec 2020 13:45

Tgt Ion: 62 Resp: 9612

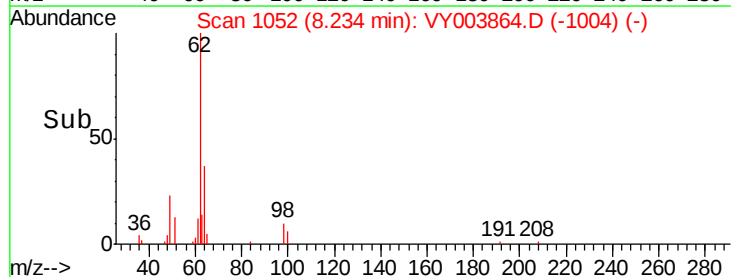
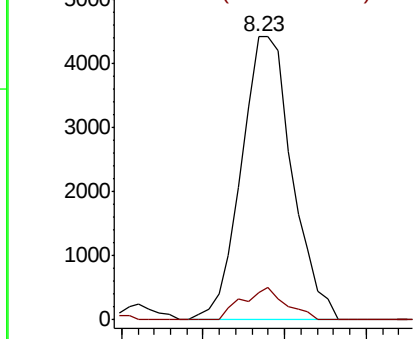
Ion Ratio Lower Upper

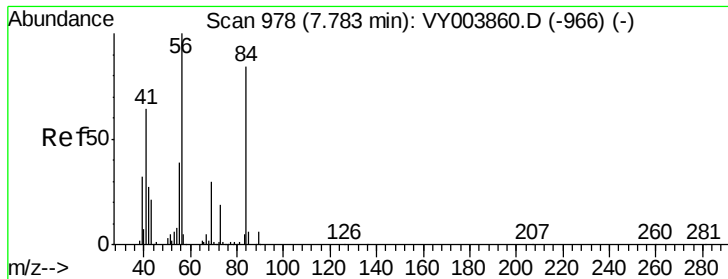
62 100

98 9.8 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

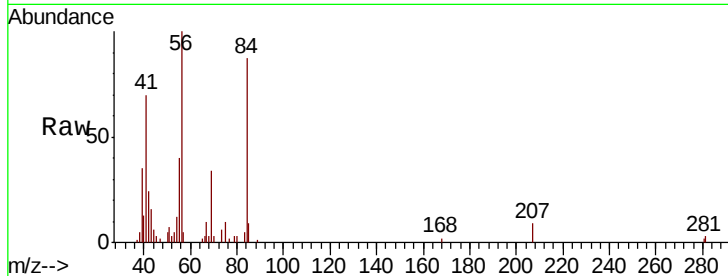




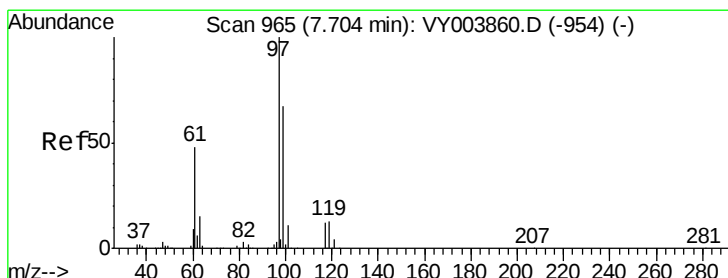
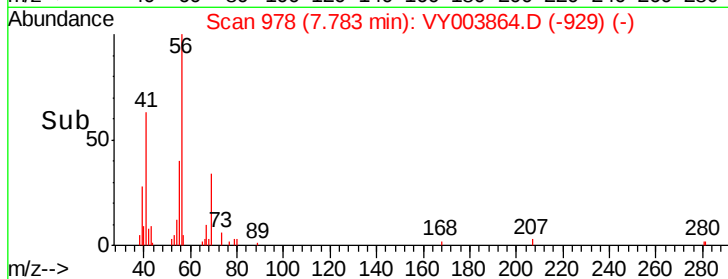
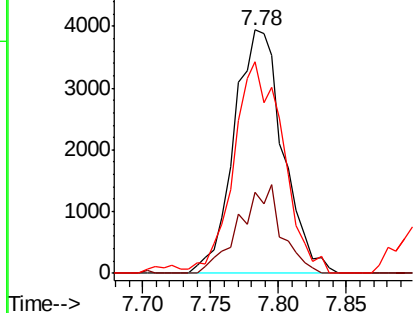
#29
Cyclohexane
Concen: 1.226 ug/L
RT: 7.78 min Scan# 978
Delta R.T. -0.00 min
Lab File: VY003864.D
Acq: 30 Dec 2020 13:45

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 9934
Ion Ratio Lower Upper
56 100
69 31.4 24.2 36.2
84 87.0 68.7 103.1

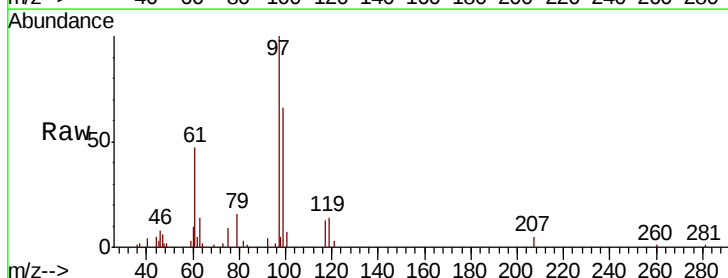


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

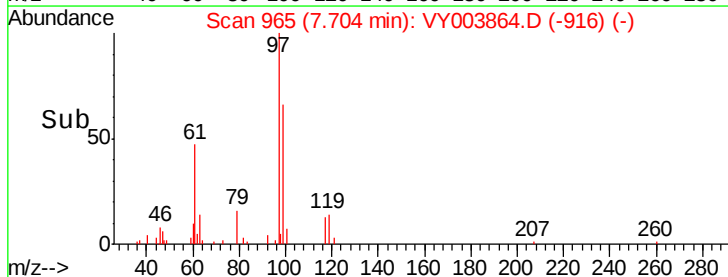
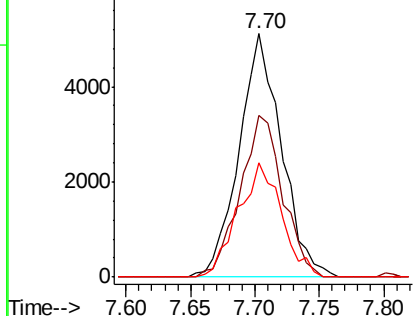


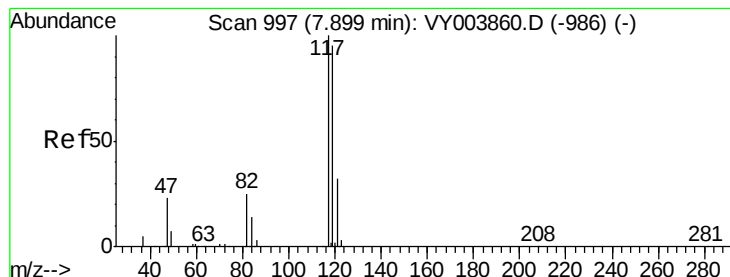
#30
1,1,1-Trichloroethane
Concen: 1.401 ug/L
RT: 7.70 min Scan# 965
Delta R.T. -0.00 min
Lab File: VY003864.D
Acq: 30 Dec 2020 13:45

Tgt Ion: 97 Resp: 11666
Ion Ratio Lower Upper
97 100
99 66.6 50.5 75.7
61 48.1 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: 1.354 ug/L

RT: 7.90 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

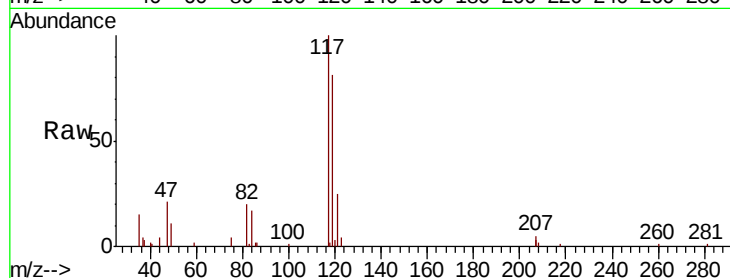
ClientSampled :

Tot Ion:117 Resp: 10427

Ion Ratio Lower Upper

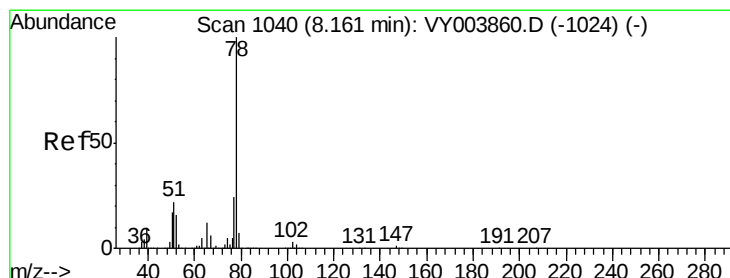
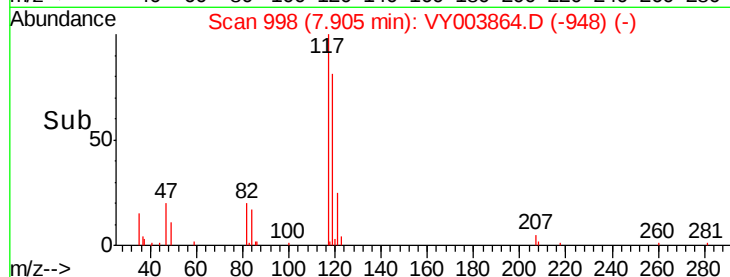
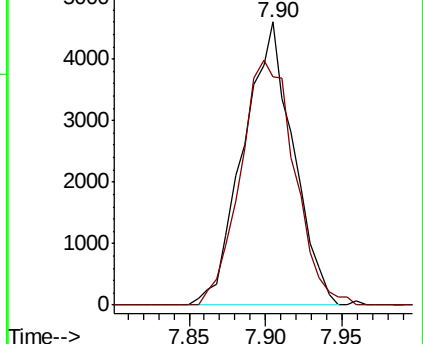
117 100

119 94.5 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: 1.459 ug/L

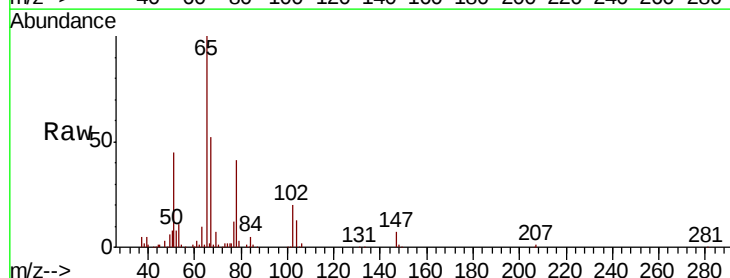
RT: 8.16 min Scan# 1040

Delta R.T. -0.00 min

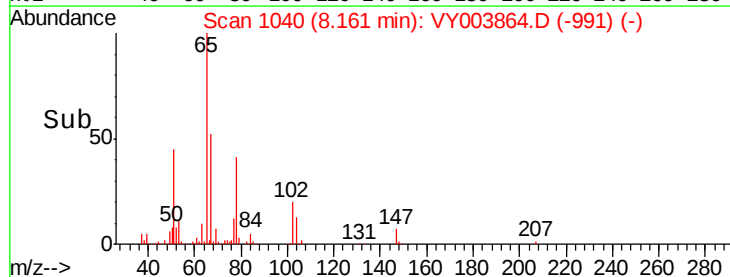
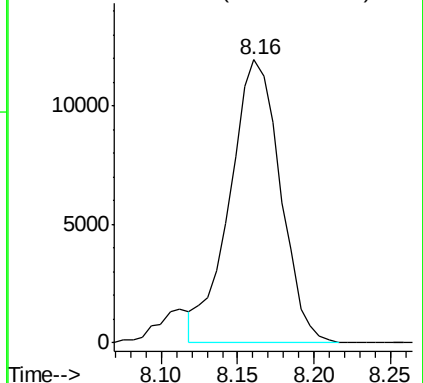
Lab File: VY003864.D

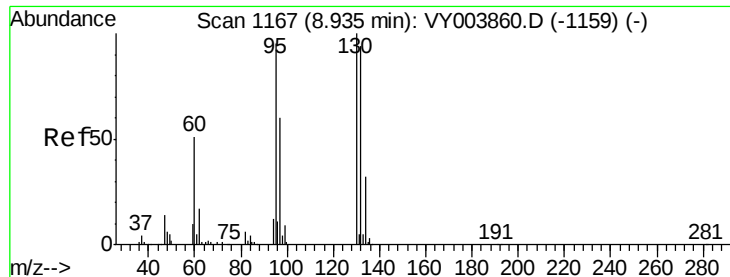
Acq: 30 Dec 2020 13:45

Tgt Ion: 78 Resp: 27576



Abundance Ion 78.00 (77.70 to 78.70): VY0

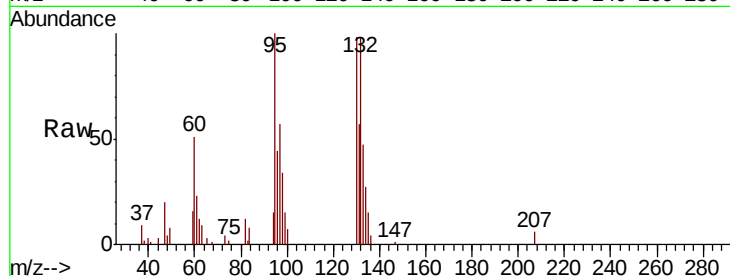




#34
 Trichloroethene
 Concen: 1.384 ug/L
 RT: 8.93 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
97	57.4	44.4	82.5
132	98.1	71.8	133.4
130	98.0	74.4	138.2



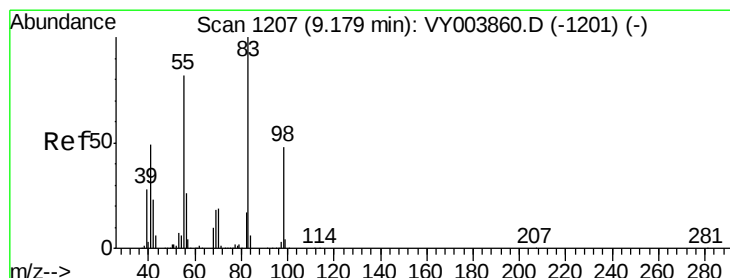
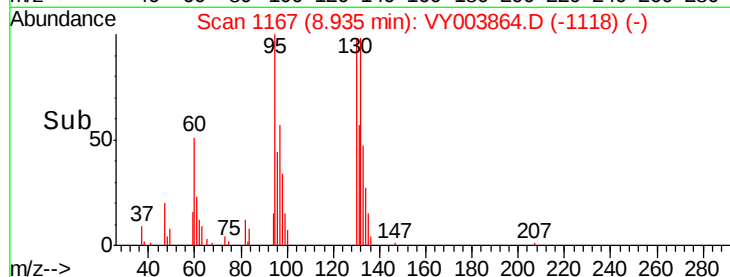
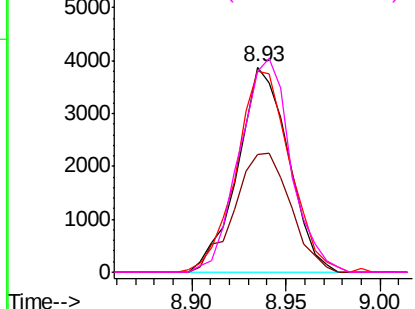
Abundance

Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

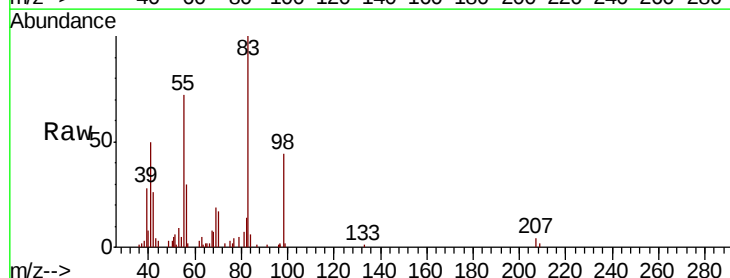
Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#35
 Methylcyclohexane
 Concen: 1.368 ug/L
 RT: 9.18 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.6	62.9	94.3
98	50.1	39.7	59.5

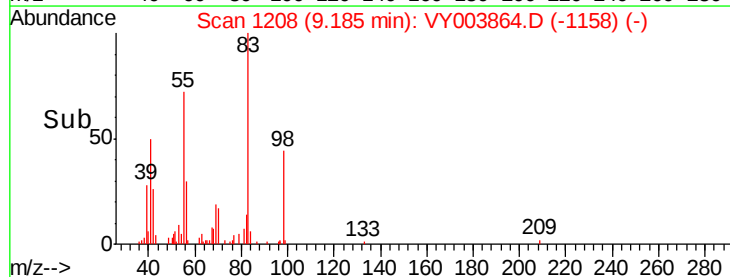
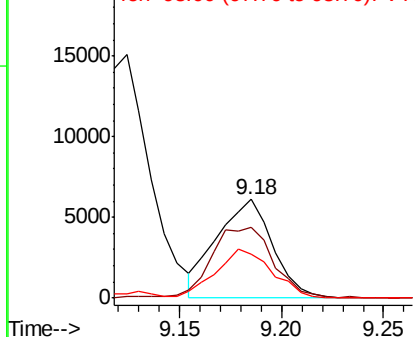


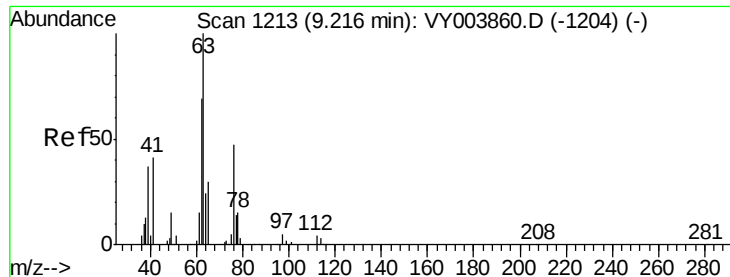
Abundance

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

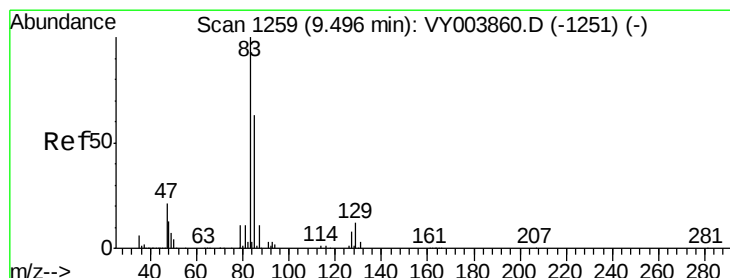
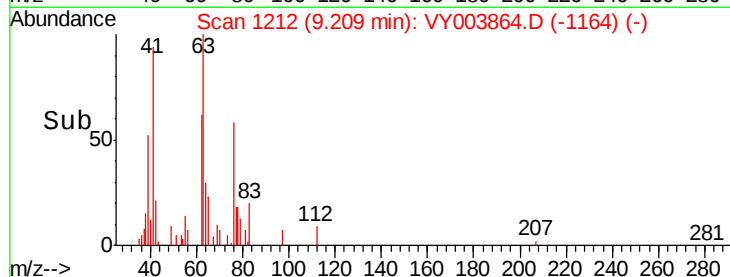
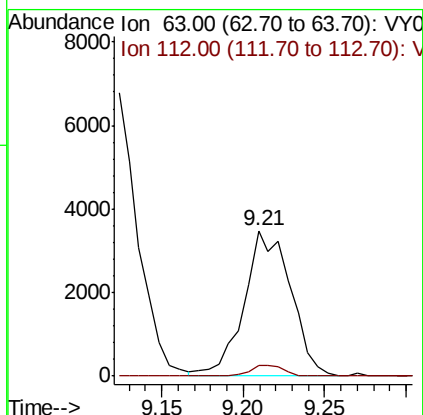
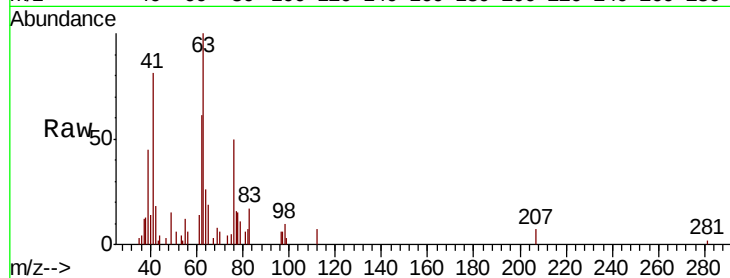




#37
 1,2-Dichloropropane
 Concen: 1.441 ug/L
 RT: 9.21 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

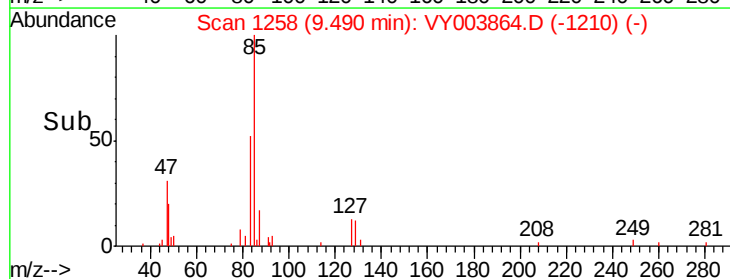
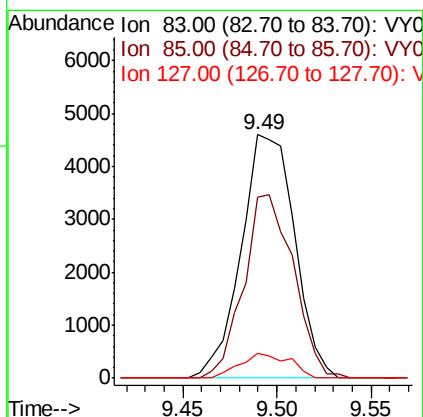
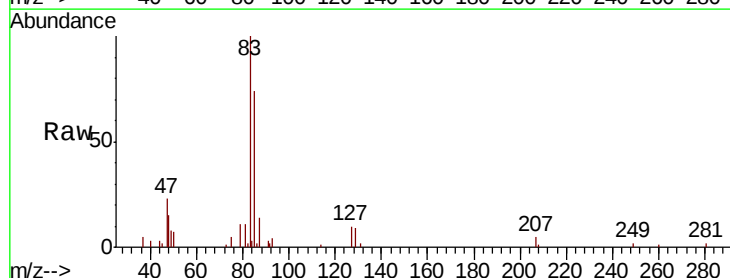
Instrument :
 MSVOA_Y
 ClientSampleId :

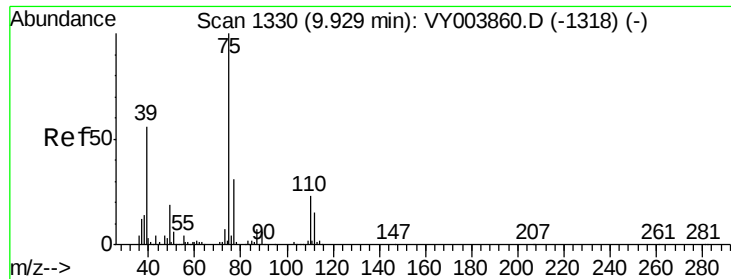
Tot Ion: 63 Resp: 6937
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.7 5.5



#38
 Bromodichloromethane
 Concen: 1.334 ug/L
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

Tgt Ion: 83 Resp: 9047
 Ion Ratio Lower Upper
 83 100
 85 74.5 44.2 82.0
 127 9.9 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 1.264 ug/L

RT: 9.92 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

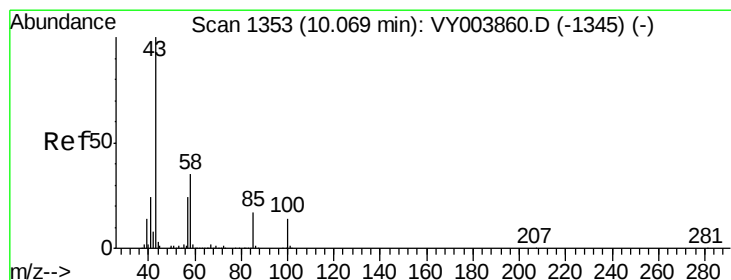
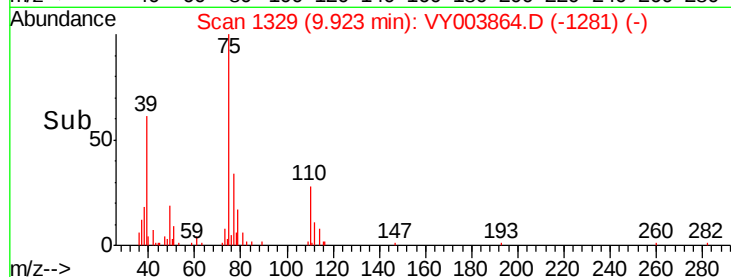
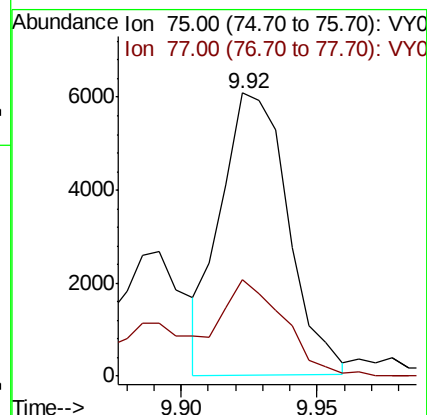
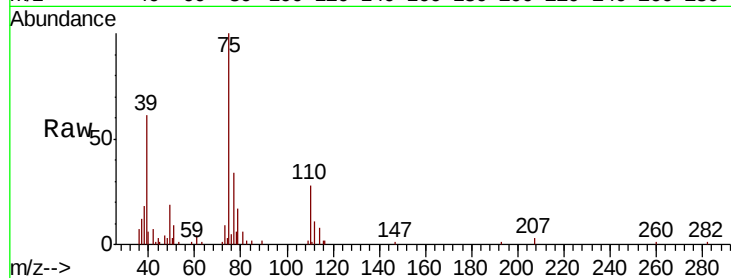
ClientSampleId :

Tot Ion: 75 Resp: 10397

Ion Ratio Lower Upper

75 100

77 34.2 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 2.762 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

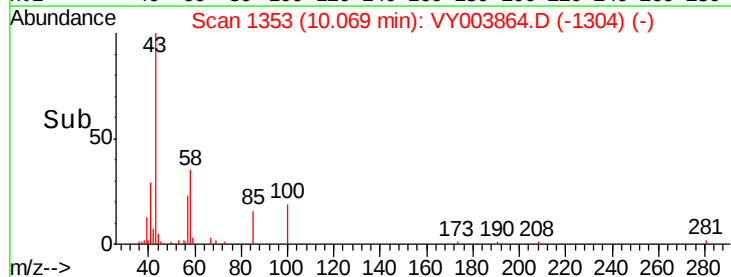
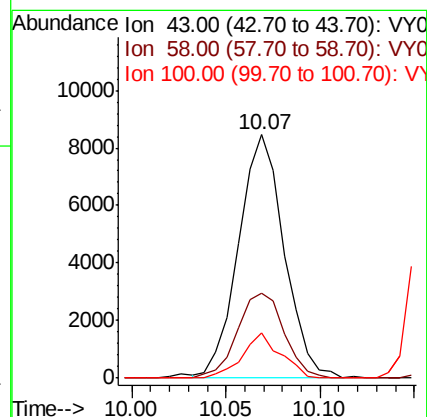
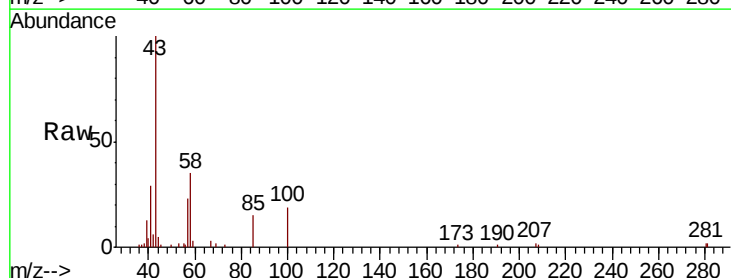
Tgt Ion: 43 Resp: 14194

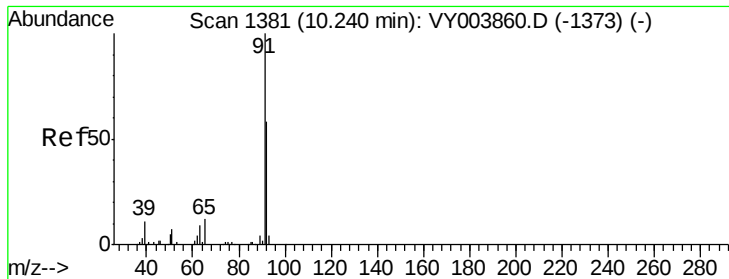
Ion Ratio Lower Upper

43 100

58 35.9 29.6 44.4

100 15.5 11.8 17.6





#42

Toluene

Concen: 1.343 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

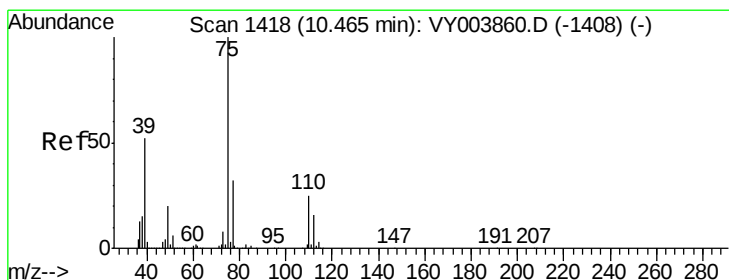
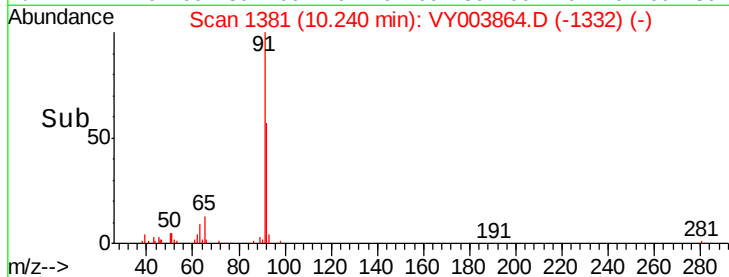
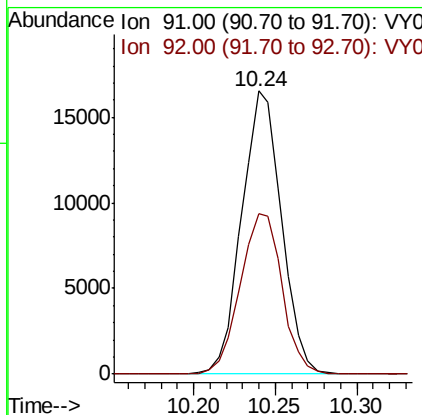
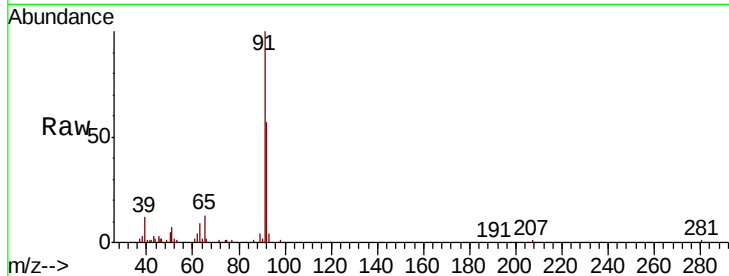
ClientSampleId :

Tot Ion: 91 Resp: 28078

Ion Ratio Lower Upper

91 100

92 56.6 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 1.714 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003864.D

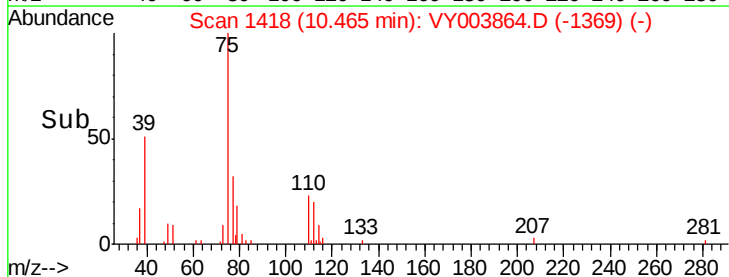
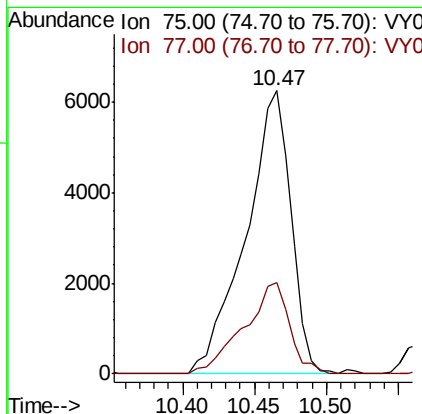
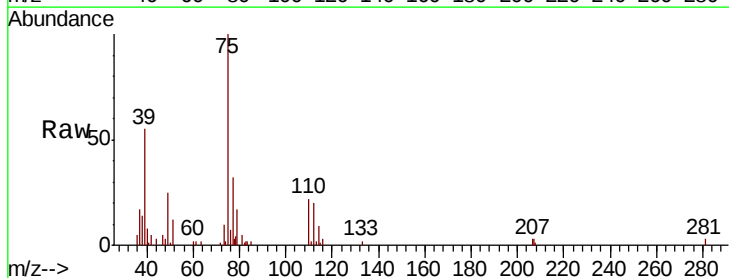
Acq: 30 Dec 2020 13:45

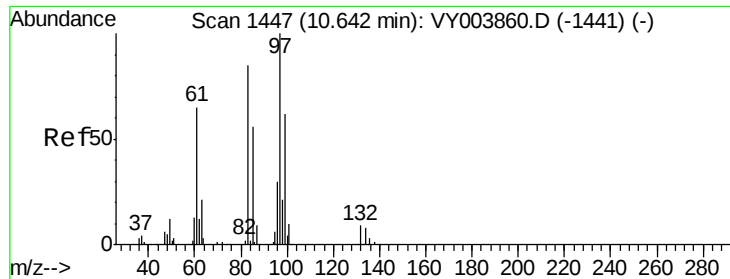
Tgt Ion: 75 Resp: 13604

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 1.328 ug/L

RT: 10.64 min Scan# 1447

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

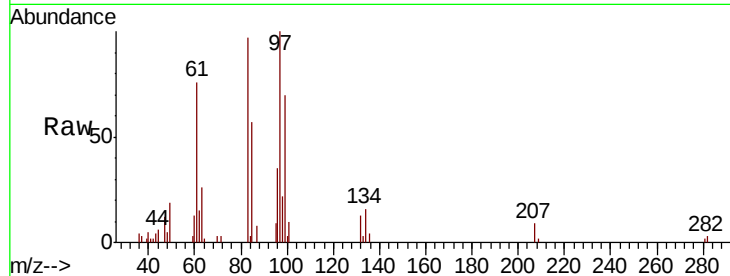
Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 97 Resp: 5490

Ion	Ratio	Lower	Upper
97	100		
99	70.4	46.0	85.4
83	97.4	60.8	112.8
85	57.4	38.4	71.2

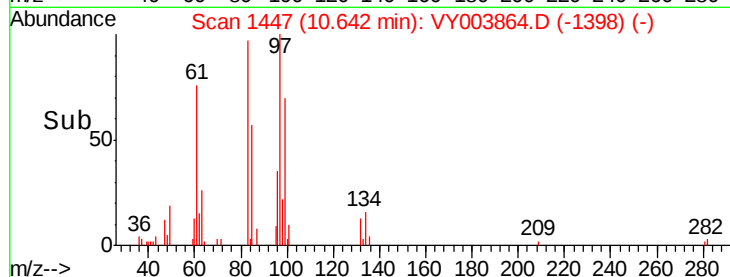


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

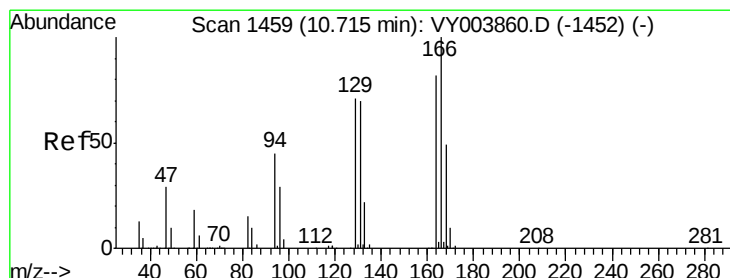
Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



Time-->

10.64



#46

Tetrachloroethene

Concen: 1.384 ug/L

RT: 10.72 min Scan# 1459

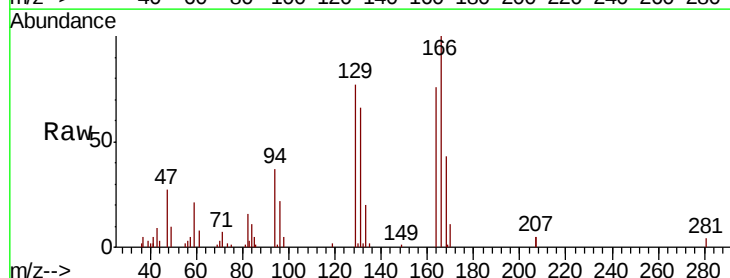
Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Tgt Ion: 164 Resp: 6257

Ion	Ratio	Lower	Upper
164	100		
129	102.1	62.5	116.1
131	87.7	60.7	112.7
166	132.4	87.2	162.0

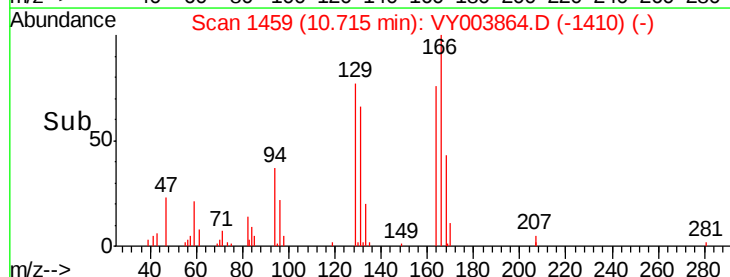


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

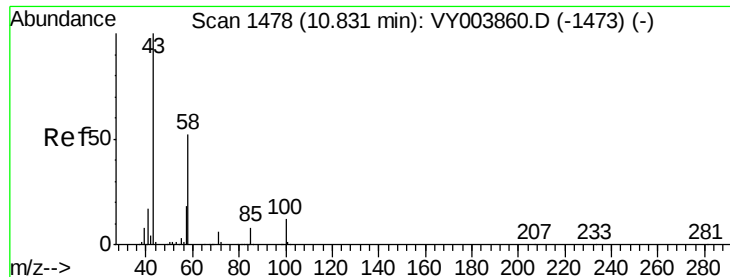
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->

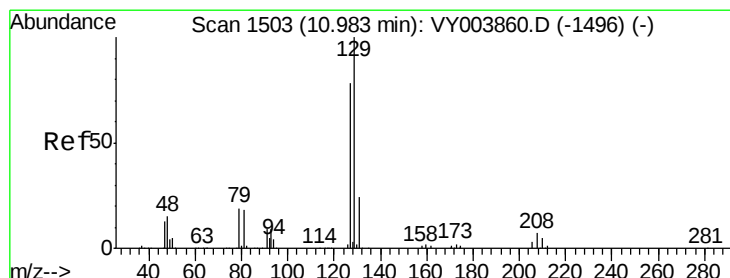
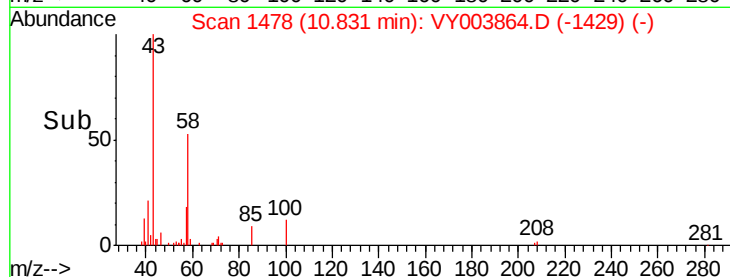
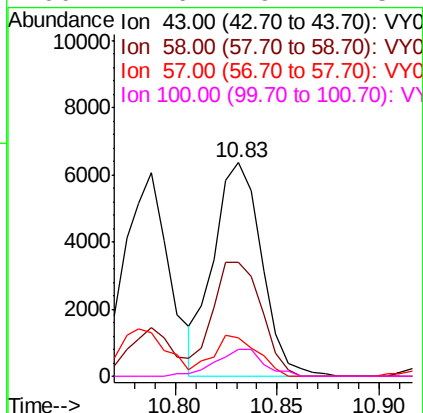
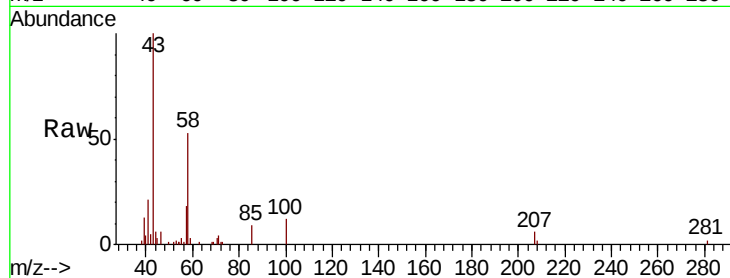
10.72



#48
2-Hexanone
Concen: 2.775 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003864.D
Acq: 30 Dec 2020 13:45

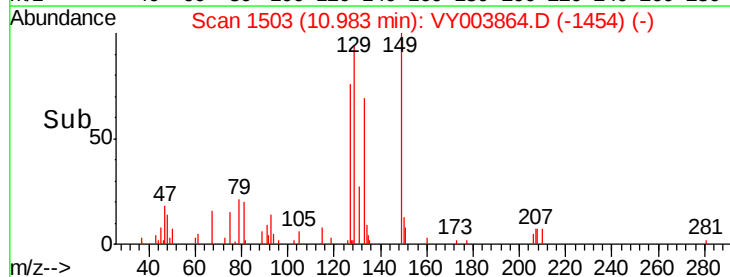
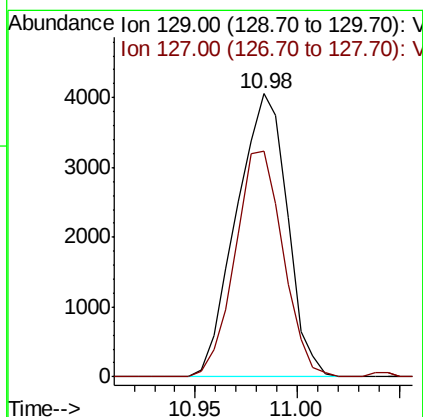
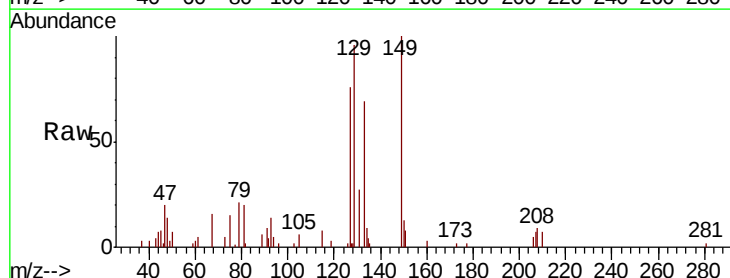
Instrument :
MSVOA_Y
ClientSampleId :

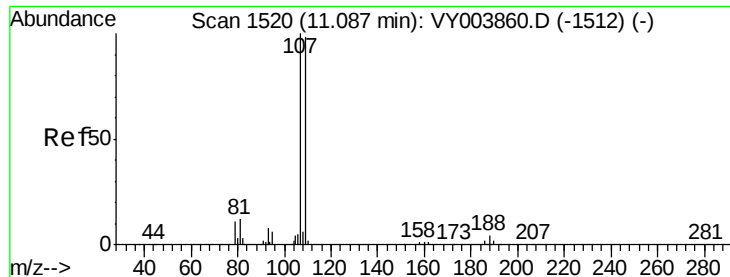
Tot Ion:	43	Resp:	10389
Ion	Ratio	Lower	Upper
43	100		
58	54.1	40.6	60.8
57	17.6	14.5	21.7
100	12.6	9.1	13.7



#49
Dibromochloromethane
Concen: 1.344 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003864.D
Acq: 30 Dec 2020 13:45

Tgt Ion:	129	Resp:	7035
Ion	Ratio	Lower	Upper
129	100		
127	82.3	52.7	97.9

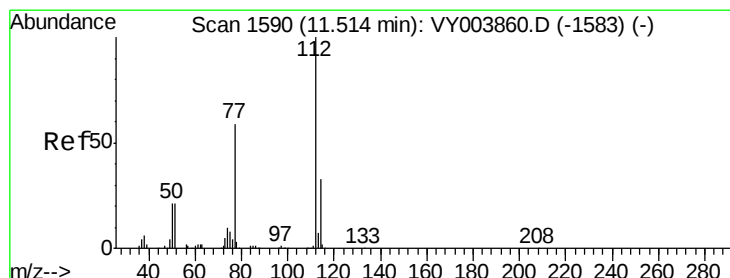
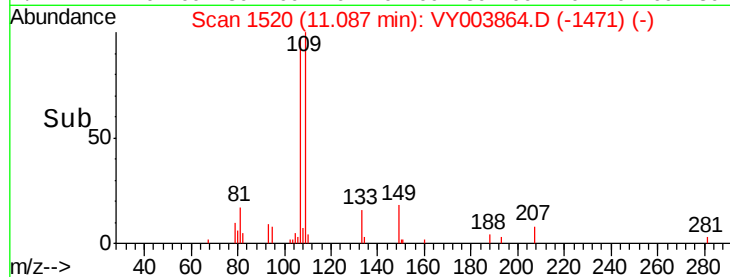
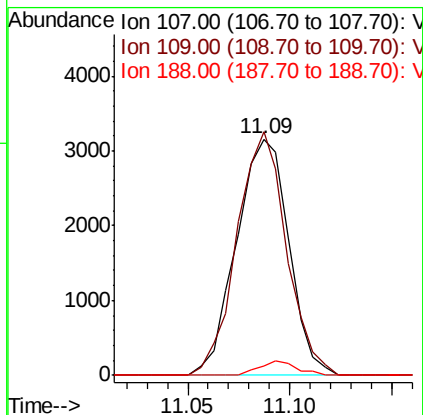
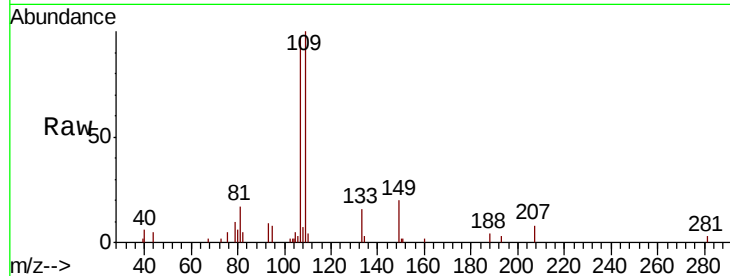




#50
 1,2-Dibromoethane
 Concen: 1.380 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

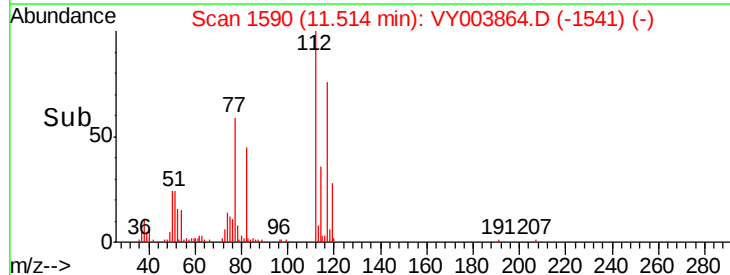
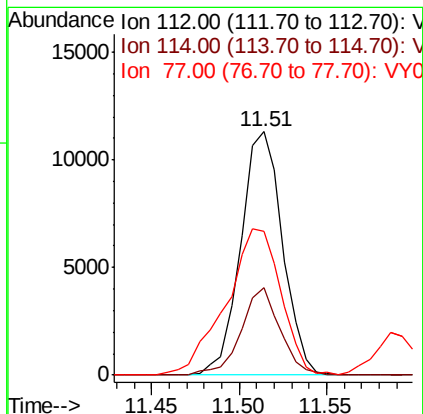
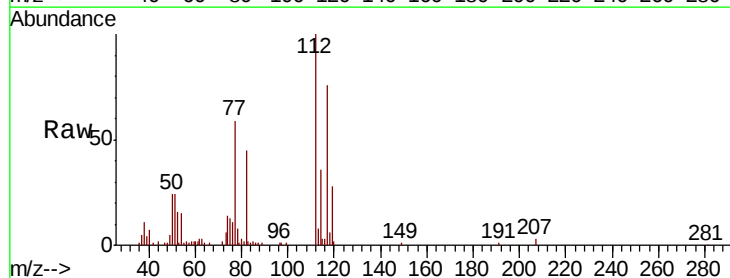
Instrument :
 MSVOA_Y
 ClientSampleId :

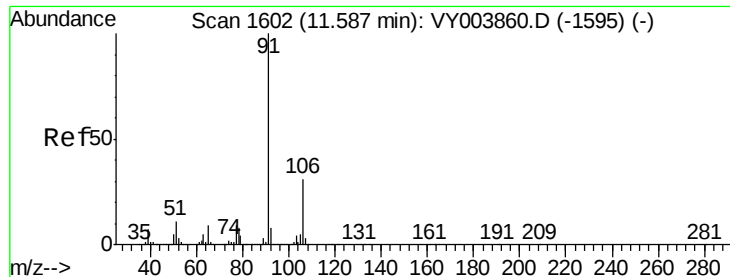
Tot Ion	Ratio	Lower	Upper
107	100		
109	103.1	65.5	121.7
188	3.8	3.6	5.4



#51
 Chlorobenzene
 Concen: 1.387 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	36.0	22.5	41.9
77	59.1	45.2	67.8





#52

Ethylbenzene

Concen: 1.362 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

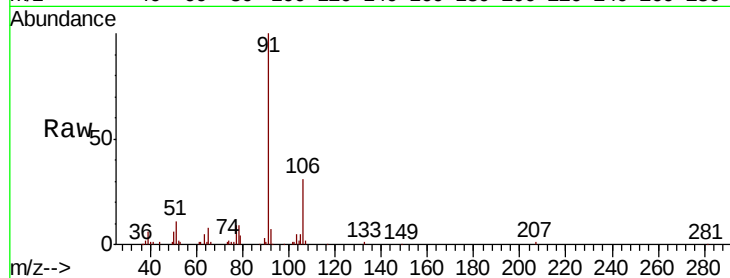
ClientSampleId :

Tot Ion: 91 Resp: 31918

Ion Ratio Lower Upper

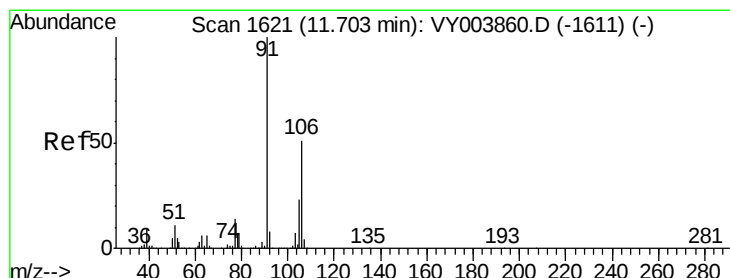
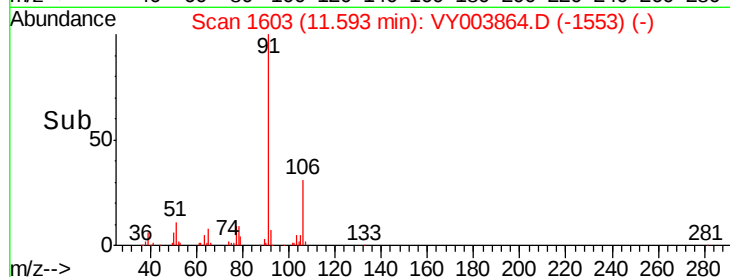
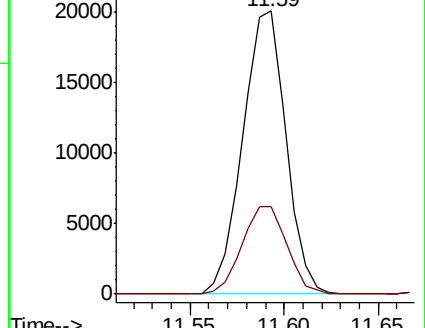
91 100

106 30.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VY003860.D (-1595) (-)

Ion 106.00 (105.70 to 106.70): VY003860.D (-1595) (-)



#53

m,p-Xylene

Concen: 1.331 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003864.D

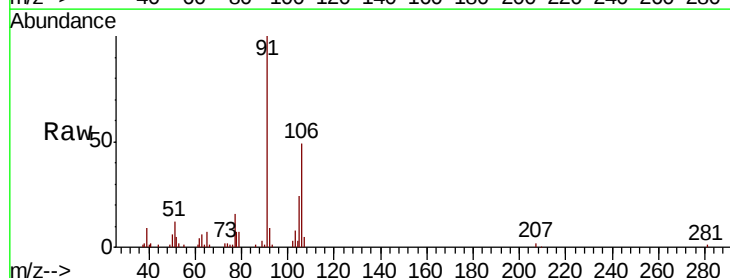
Acq: 30 Dec 2020 13:45

Tgt Ion: 106 Resp: 11828

Ion Ratio Lower Upper

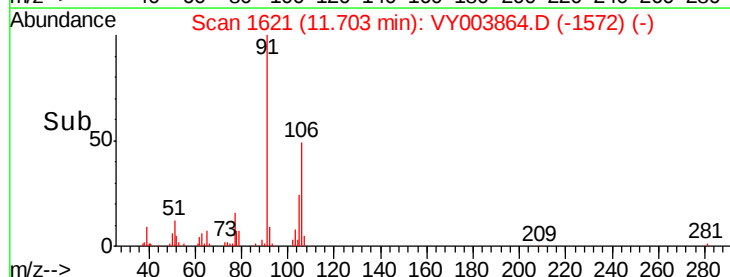
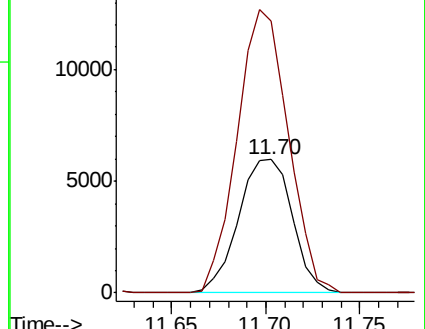
106 100

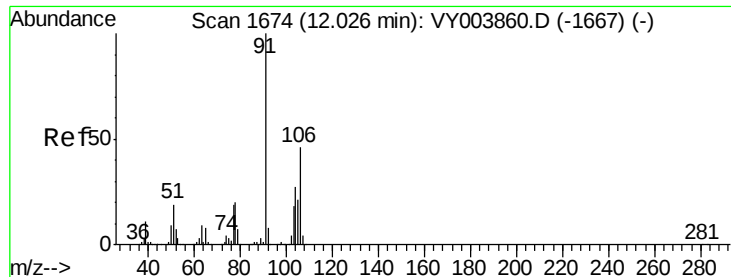
91 203.4 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): VY003860.D (-1611) (-)

Ion 91.00 (90.70 to 91.70): VY003860.D (-1611) (-)

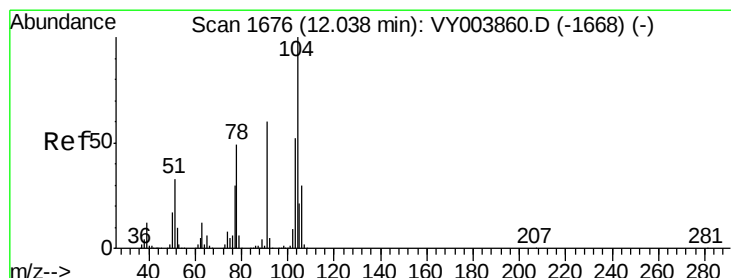
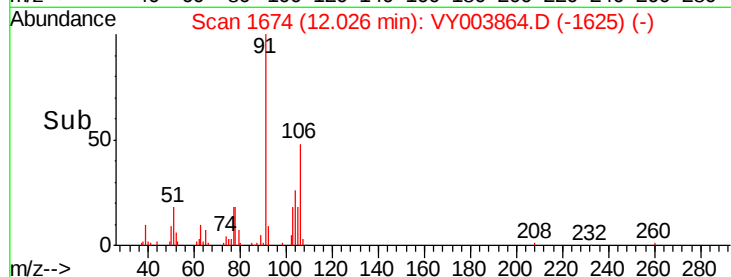
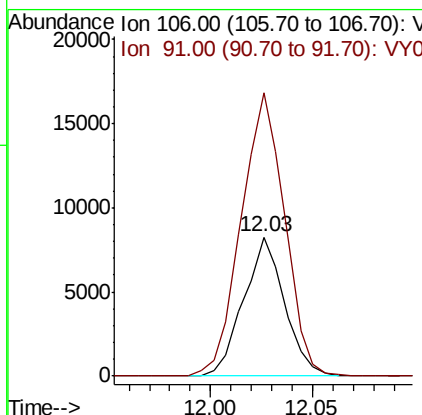
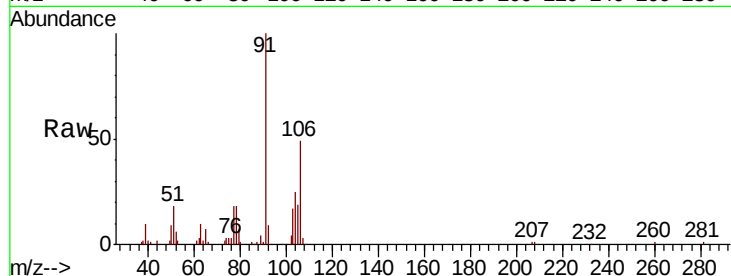




#54
o-Xylene
Concen: 1.326 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VY003864.D
Acq: 30 Dec 2020 13:45

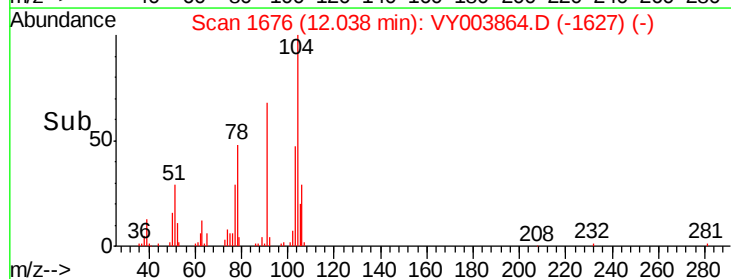
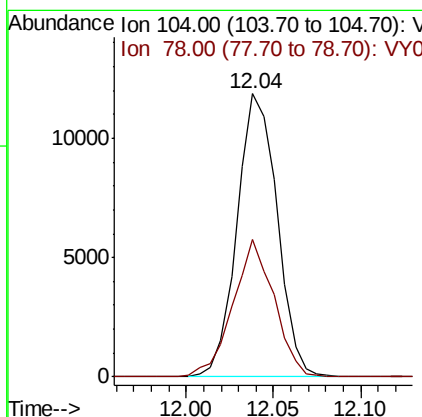
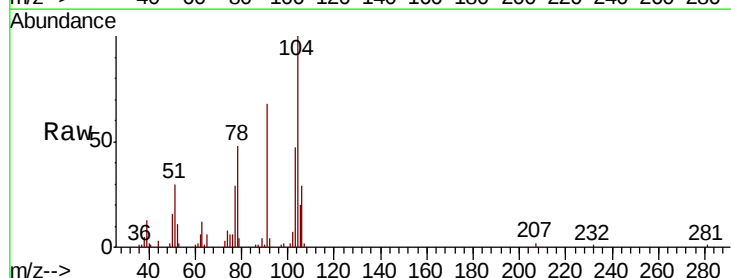
Instrument :
MSVOA_Y
ClientSampleId :

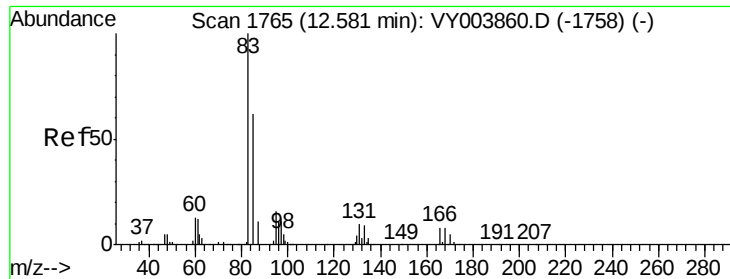
Tot Ion:106 Resp: 11471
Ion Ratio Lower Upper
106 100
91 204.0 147.7 274.3



#55
Styrene
Concen: 1.266 ug/L
RT: 12.04 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VY003864.D
Acq: 30 Dec 2020 13:45

Tgt Ion:104 Resp: 18932
Ion Ratio Lower Upper
104 100
78 48.5 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 1.582 ug/L

RT: 12.57 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

ClientSampleId :

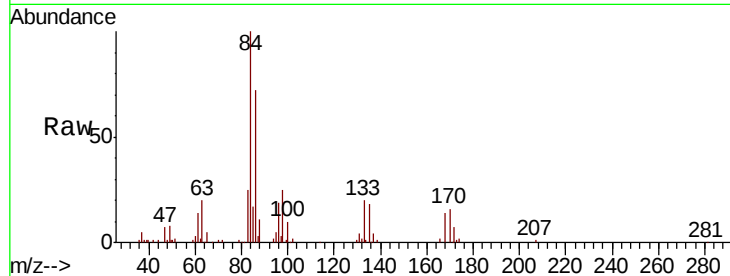
Tot Ion: 83 Resp: 7740

Ion Ratio Lower Upper

83 100

85 66.0 44.9 83.3

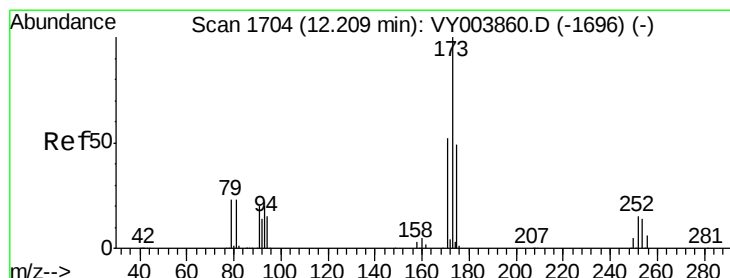
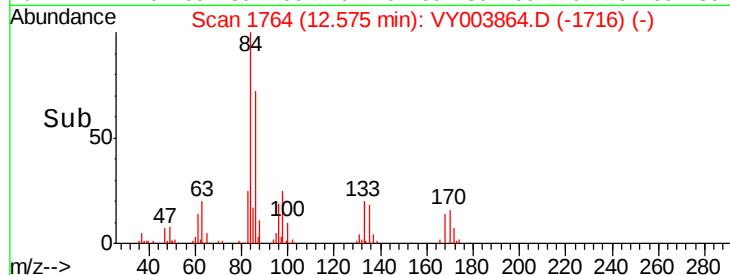
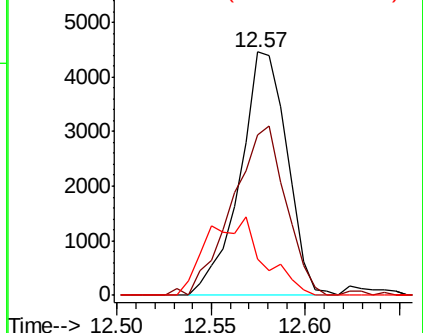
131 15.0 9.0 13.6#



Abundance Ion 83.00 (82.70 to 83.70): VY003864.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003864.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003864.D (-1758) (-)



#59

Bromoform

Concen: 1.306 ug/L

RT: 12.20 min Scan# 1703

Delta R.T. -0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

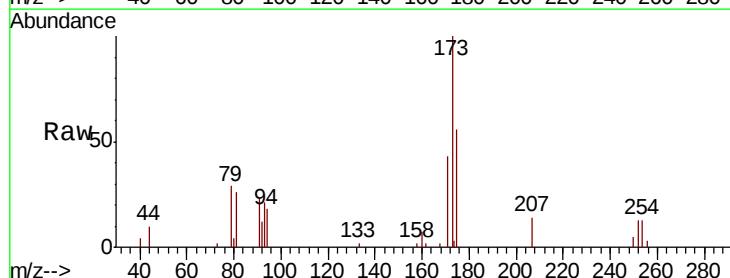
Tgt Ion: 173 Resp: 4817

Ion Ratio Lower Upper

173 100

175 53.0 38.9 58.3

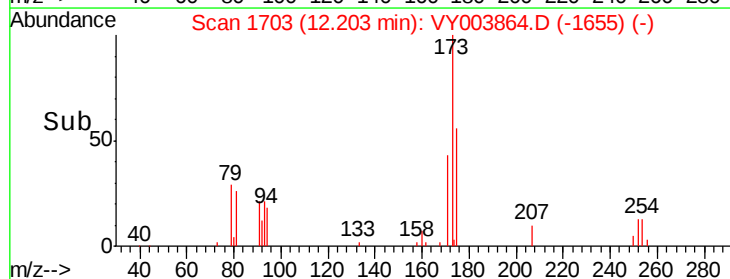
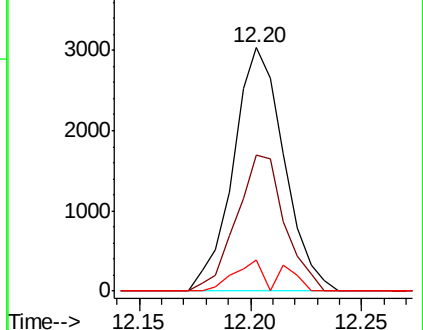
254 6.8 11.5 17.3#

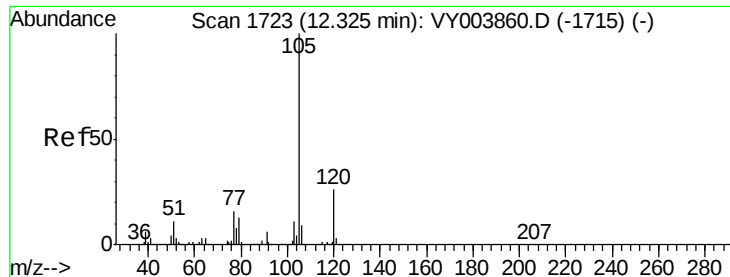


Abundance Ion 173.00 (172.70 to 173.70): VY003864.D (-1696) (-)

Ion 175.00 (174.70 to 175.70): VY003864.D (-1696) (-)

Ion 254.00 (253.70 to 254.70): VY003864.D (-1696) (-)





#60

Isopropylbenzene

Concen: 1.336 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

ClientSampled :

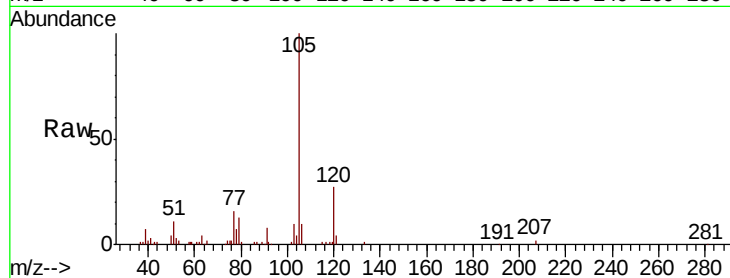
Tot Ion: 105 Resp: 30185

Ion Ratio Lower Upper

105 100

120 26.4 21.7 32.5

77 16.6 12.9 19.3

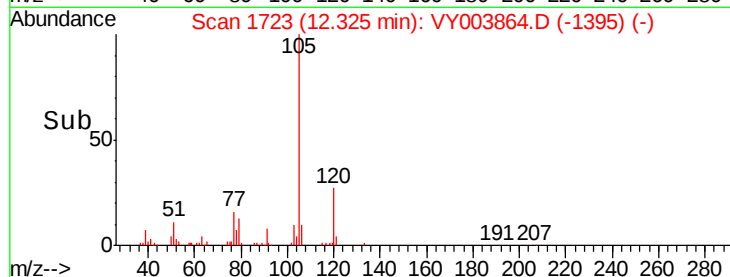


Abundance Ion 105.00 (104.70 to 105.70): VY003860.D (-1715) (-)

Ion 120.00 (119.70 to 120.70): VY003860.D (-1715) (-)

Ion 77.00 (76.70 to 77.70): VY003860.D (-1715) (-)

Time--> 12.25 12.30 12.35

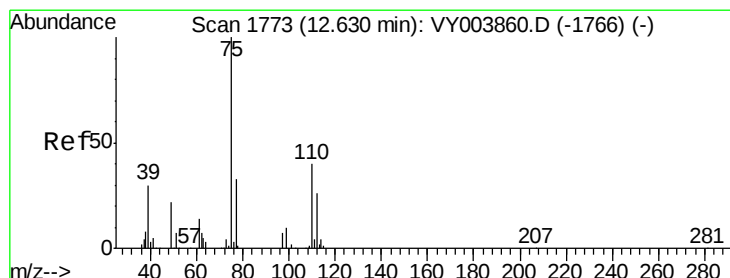


Abundance Ion 105.00 (104.70 to 105.70): VY003864.D (-1395) (-)

Ion 120.00 (119.70 to 120.70): VY003864.D (-1395) (-)

Ion 77.00 (76.70 to 77.70): VY003864.D (-1395) (-)

Time--> 12.25 12.30 12.35



#61

1,2,3-Trichloropropane

Concen: 1.478 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

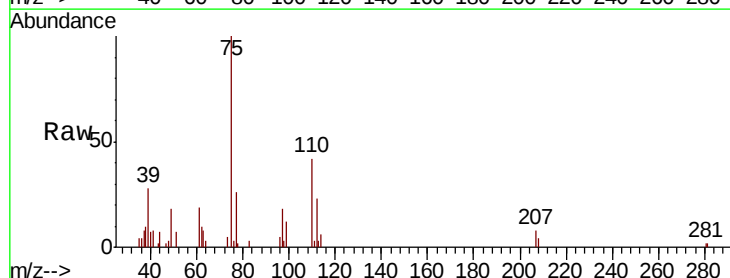
Tgt Ion: 75 Resp: 6206

Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.4

110 38.4 32.4 48.6

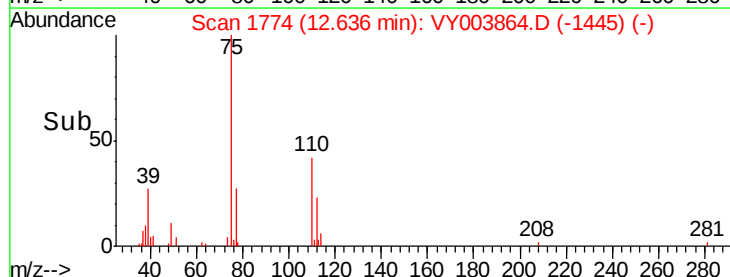


Abundance Ion 75.00 (74.70 to 75.70): VY003860.D (-1766) (-)

Ion 77.00 (76.70 to 77.70): VY003860.D (-1766) (-)

Ion 110.00 (109.70 to 110.70): VY003860.D (-1766) (-)

Time--> 12.60 12.65

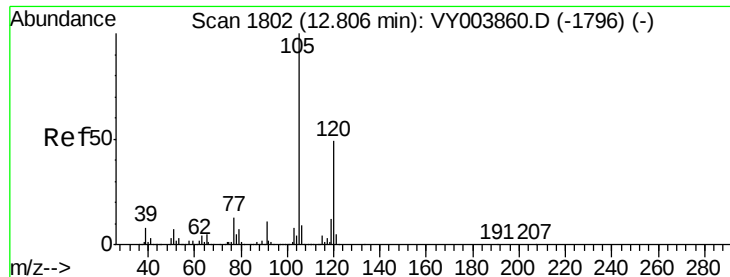


Abundance Ion 75.00 (74.70 to 75.70): VY003864.D (-1445) (-)

Ion 77.00 (76.70 to 77.70): VY003864.D (-1445) (-)

Ion 110.00 (109.70 to 110.70): VY003864.D (-1445) (-)

Time--> 12.60 12.65



#62

1,3,5-Trimethylbenzene

Concen: 1.316 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

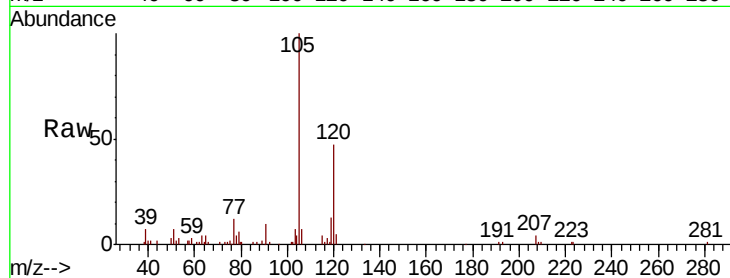
ClientSampleId :

Tot Ion:105 Resp: 24703

Ion Ratio Lower Upper

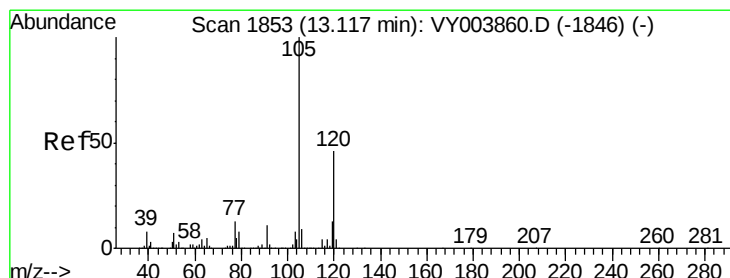
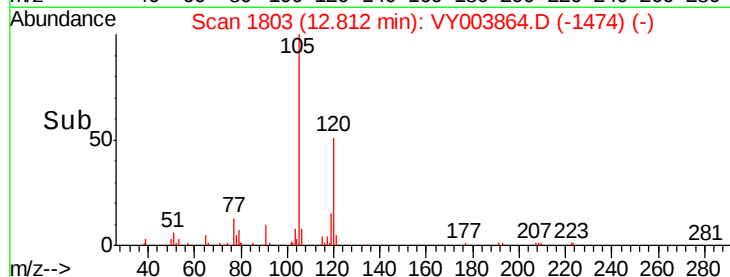
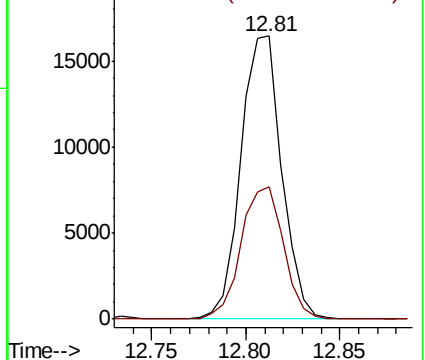
105 100

120 48.3 39.0 58.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 1.244 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003864.D

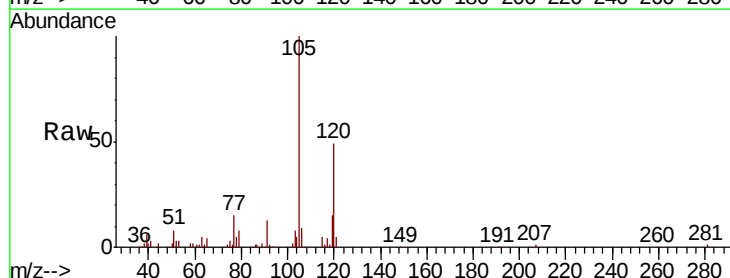
Acq: 30 Dec 2020 13:45

Tgt Ion:105 Resp: 23661

Ion Ratio Lower Upper

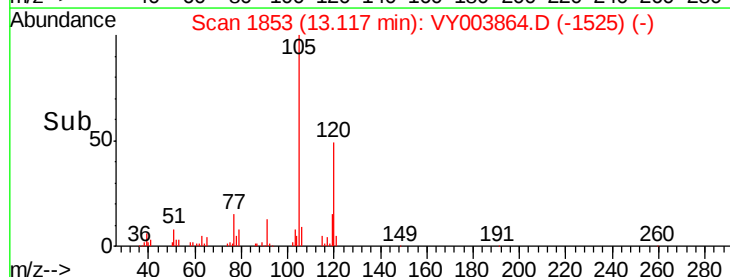
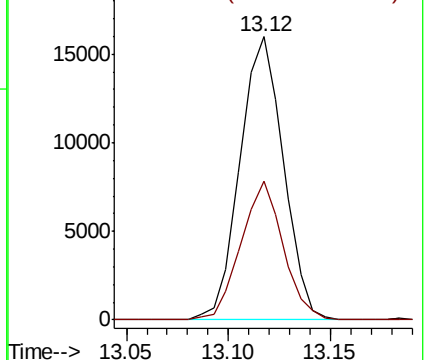
105 100

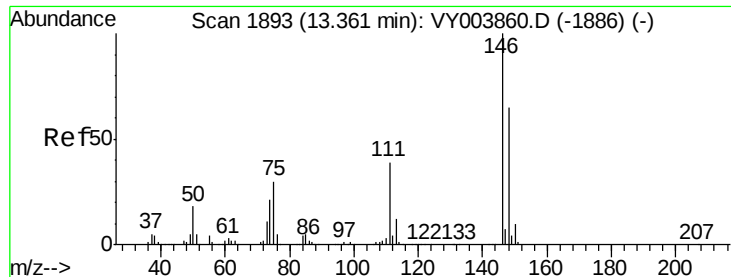
120 47.4 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 1.449 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.00 min

Lab File: VY003864.D

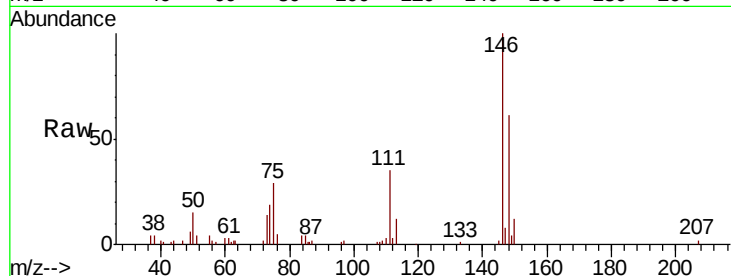
Acq: 30 Dec 2020 13:45

Instrument :

MSVOA_Y

ClientSampled :

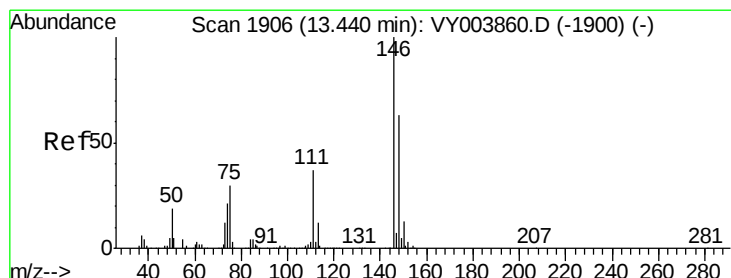
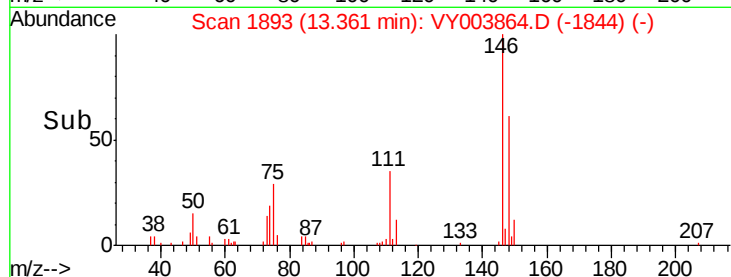
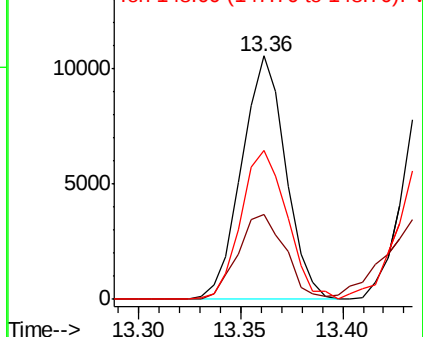
Tot Ion:	146	Resp:	15857
Ion	Ratio	Lower	Upper
146	100		
111	34.8	27.7	51.5
148	61.3	45.4	84.4



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: 1.470 ug/L

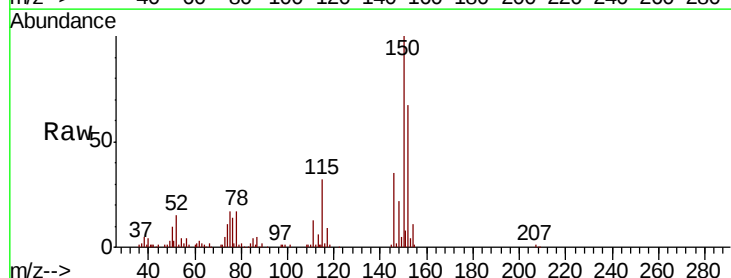
RT: 13.44 min Scan# 1906

Delta R.T. -0.00 min

Lab File: VY003864.D

Acq: 30 Dec 2020 13:45

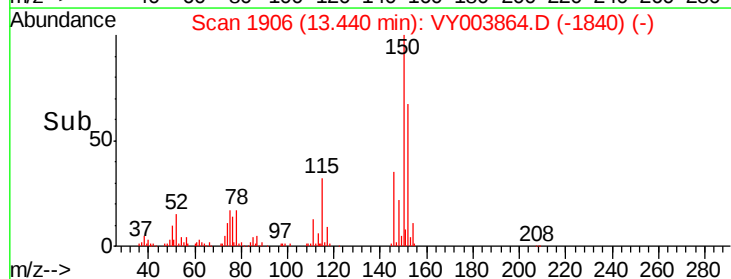
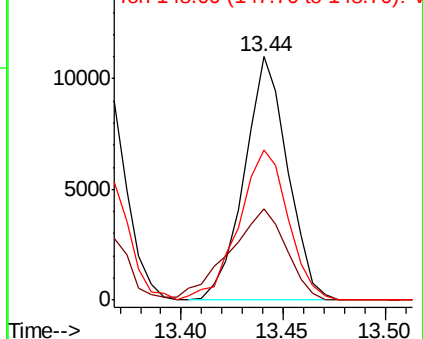
Tgt Ion:	146	Resp:	16290
Ion	Ratio	Lower	Upper
146	100		
111	37.5	25.7	47.7
148	61.7	44.4	82.4

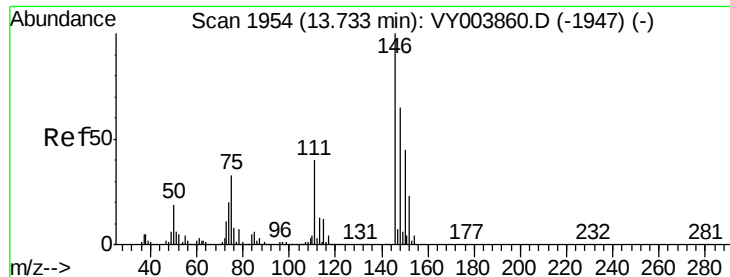


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

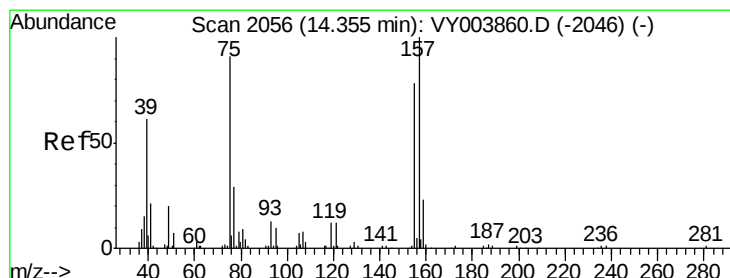
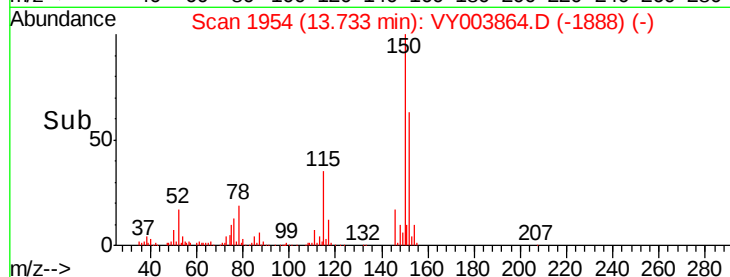
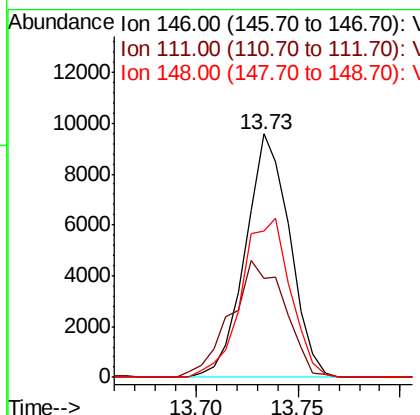
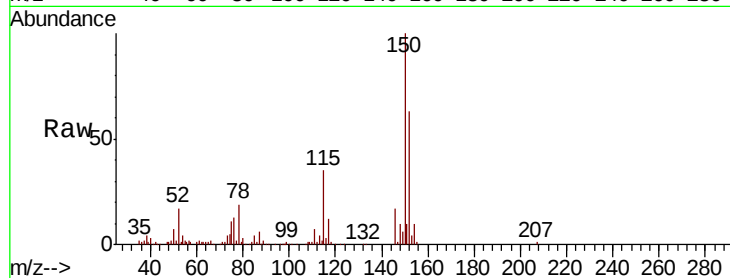




#67
 1,2-Dichlorobenzene
 Concen: 1.412 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

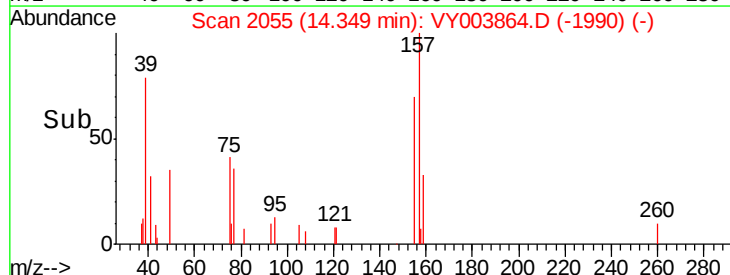
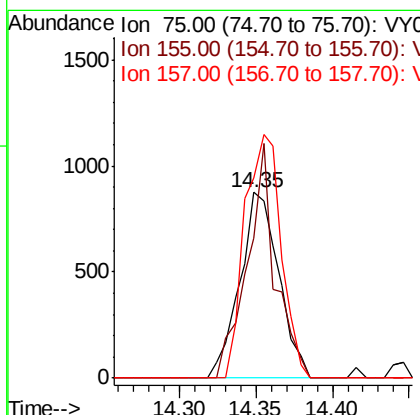
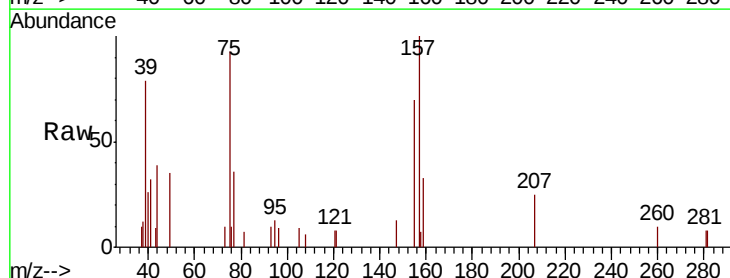
Instrument :
 MSVOA_Y
 ClientSampleId :

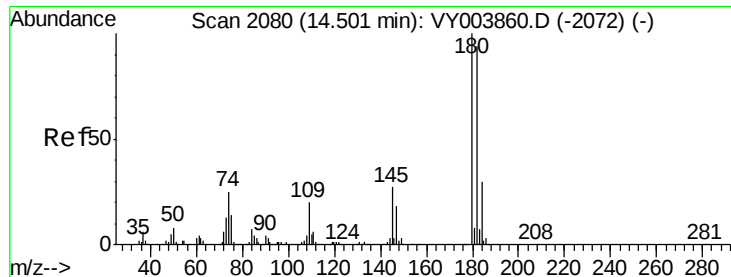
Tot Ion:146 Resp: 14476
 Ion Ratio Lower Upper
 146 100
 111 40.7 31.3 46.9
 148 60.0 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.478 ug/L
 RT: 14.35 min Scan# 2055
 Delta R.T. -0.01 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

Tgt Ion: 75 Resp: 1542
 Ion Ratio Lower Upper
 75 100
 155 75.3 68.2 102.4
 157 107.9 90.2 135.4

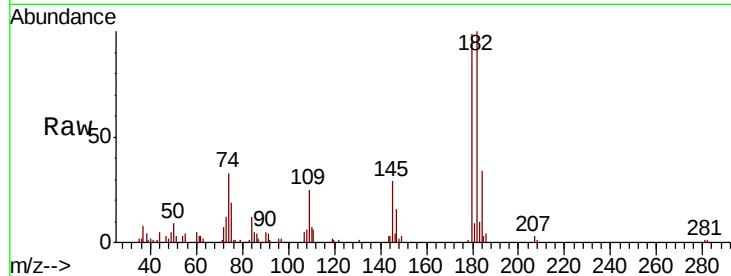




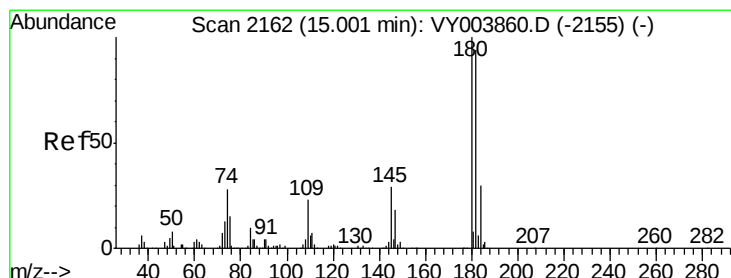
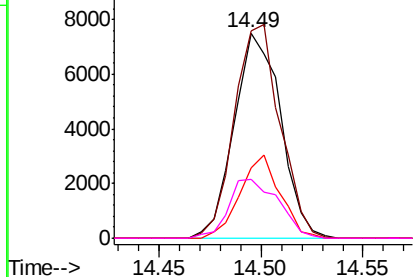
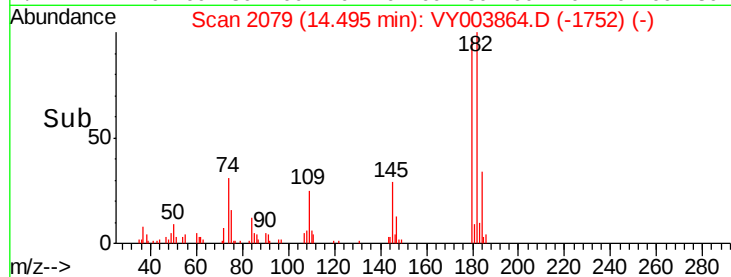
#69
 1,3,5-Trichlorobenzene
 Concen: 1.394 ug/L
 RT: 14.49 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180	Resp:	11899
Ion	Ratio	Lower Upper
180	100	
182	102.3	75.6 113.4
184	34.8	24.9 37.3
145	30.6	21.8 32.6

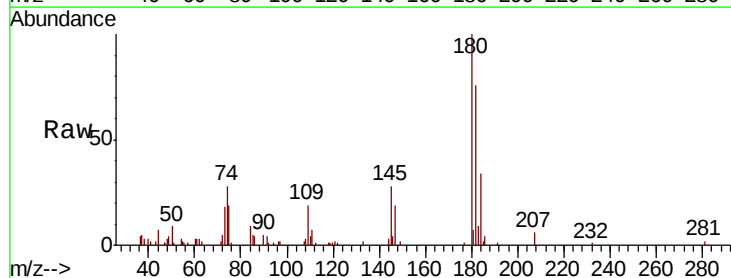


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

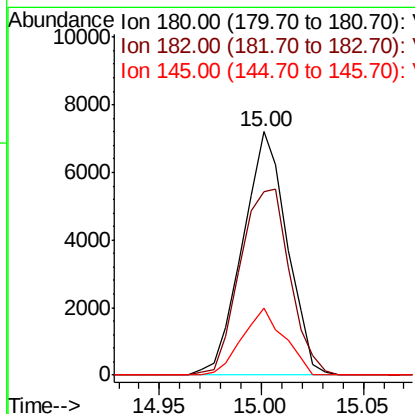
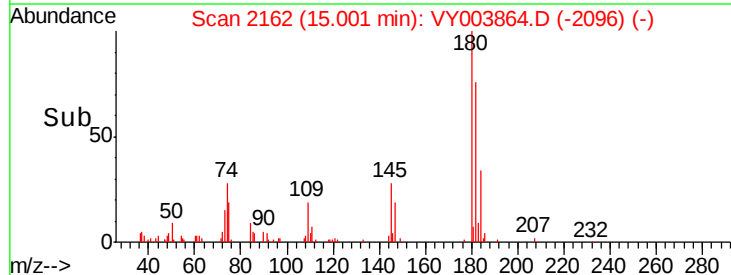


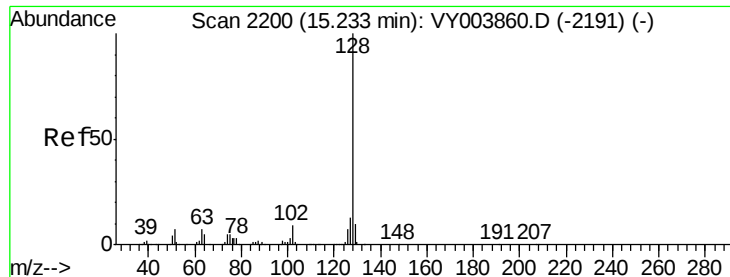
#70
 1,2,4-trichlorobenzene
 Concen: 1.513 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VY003864.D
 Acq: 30 Dec 2020 13:45

Tgt Ion:180	Resp:	10949
Ion	Ratio	Lower Upper
180	100	
182	85.3	76.1 114.1
145	26.0	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

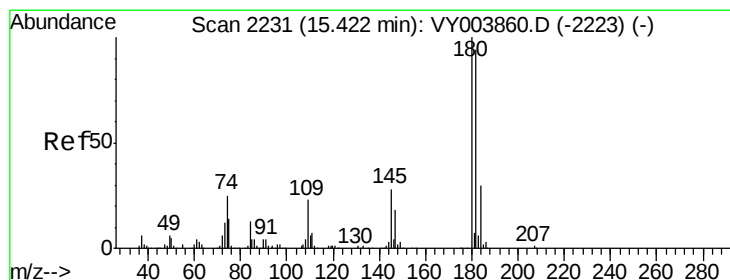
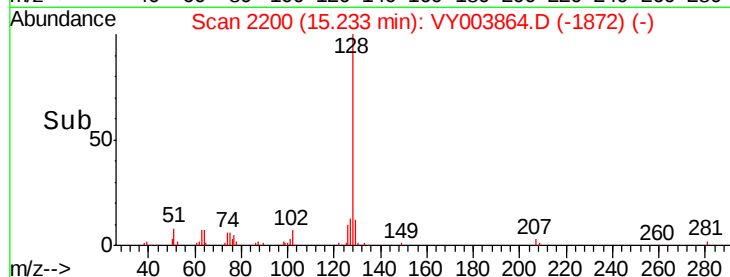
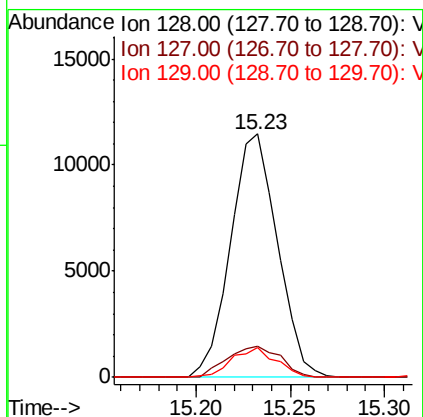
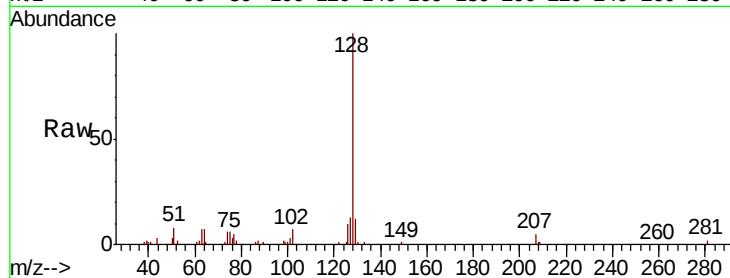




#71
Naphthalene
Concen: 1.310 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003864.D
Acq: 30 Dec 2020 13:45

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 19793
Ion Ratio Lower Upper
128 100
127 14.5 10.7 16.1
129 11.5 8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 1.412 ug/L
RT: 15.42 min Scan# 2230
Delta R.T. -0.01 min
Lab File: VY003864.D
Acq: 30 Dec 2020 13:45

Tgt Ion:180 Resp: 9023
Ion Ratio Lower Upper
180 100
182 99.0 74.6 111.8
145 30.6 23.3 34.9

