

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 03:44:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 31 03:40:43 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
8) Chloroethane	2.80	64	4569	1.165 ug/L	96
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	5162m	1.103 ug/L	
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
22) 2-Butanone	7.00	43	7668m	3.158 ug/L	

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

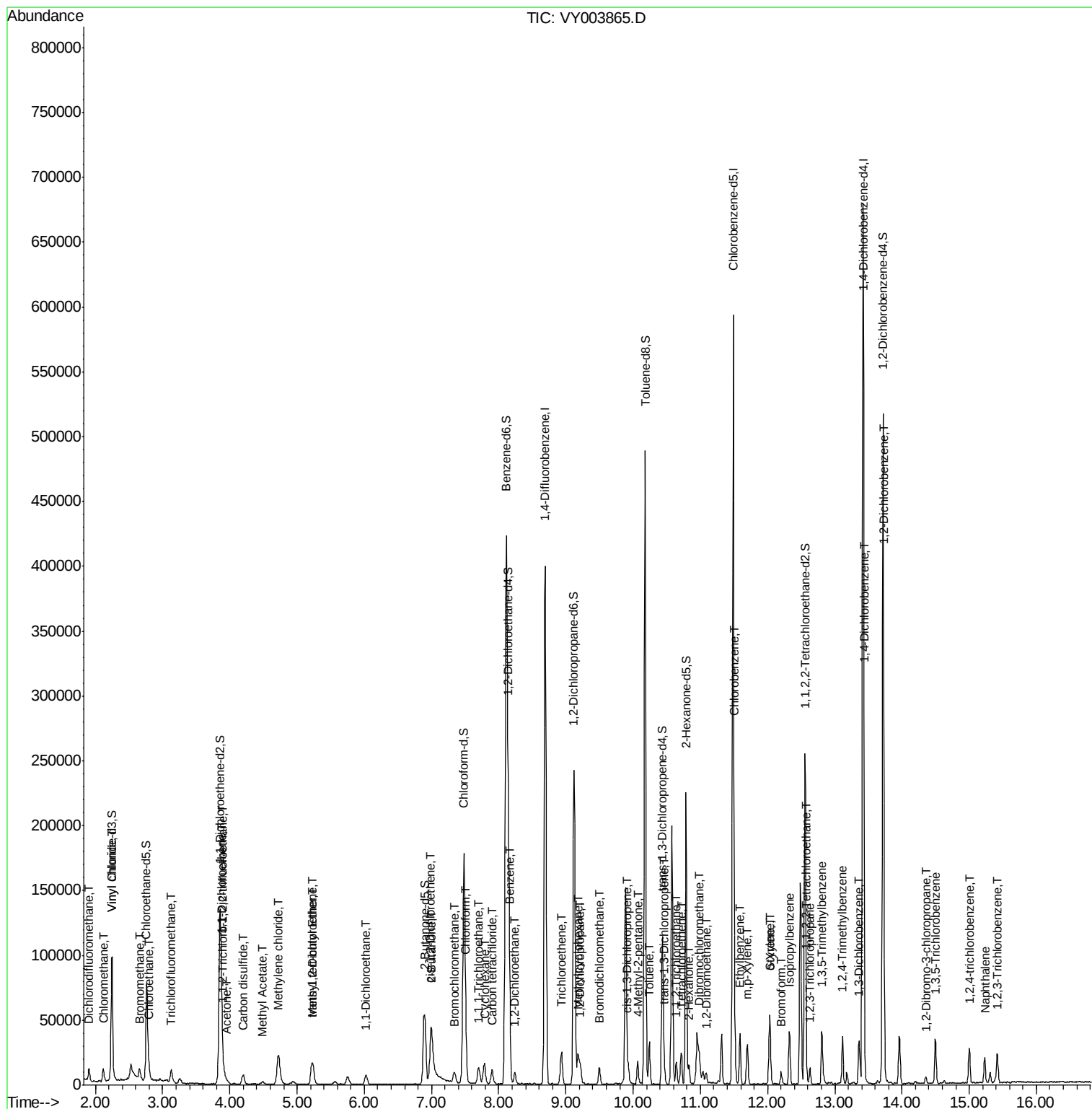
23) Bromochloromethane	7.34	128	2808	1.122	ug/L	92
25) Chloroform	7.51	83	11805	1.331	ug/L	98
27) 1,2-Dichloroethane	8.24	62	7853	1.140	ug/L #	92
29) Cyclohexane	7.79	56	8475	1.055	ug/L	98
30) 1,1,1-Trichloroethane	7.70	97	9202	1.115	ug/L #	70
31) Carbon tetrachloride	7.90	117	7890	1.034	ug/L	94
33) 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

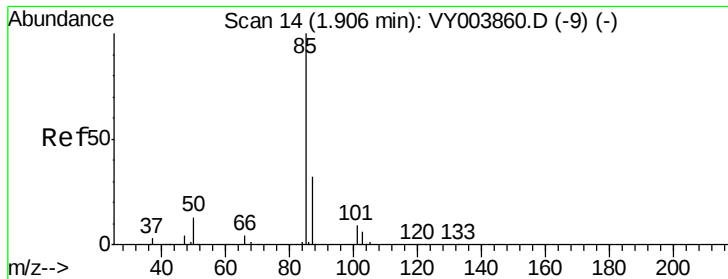
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

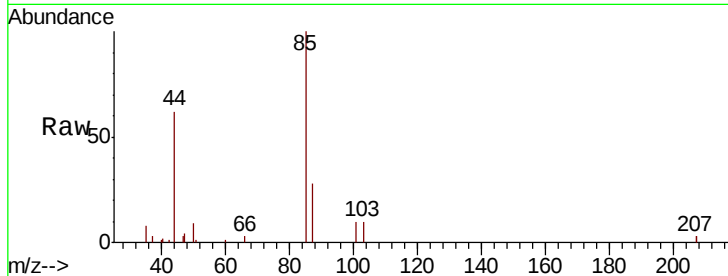
ClientSampleId :

Tot Ion: 85 Resp: 7352

Ion Ratio Lower Upper

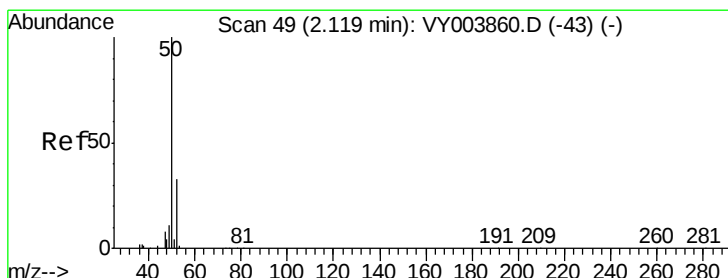
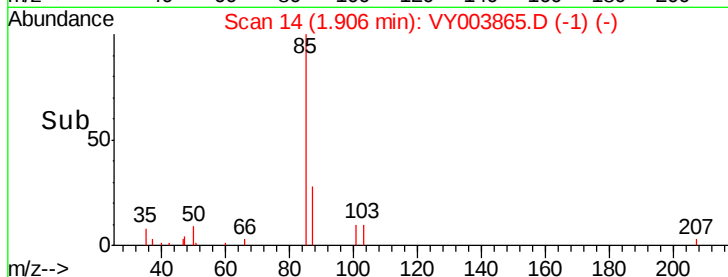
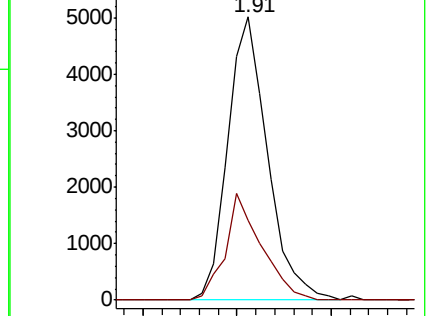
85 100

87 34.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.351 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003865.D

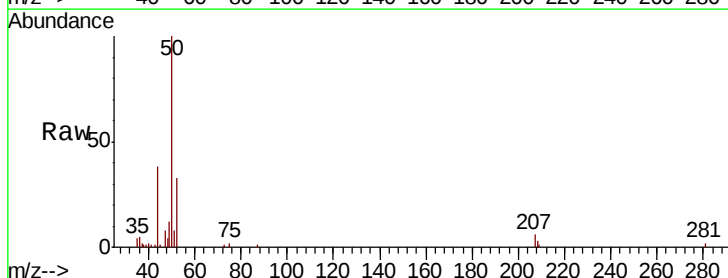
Acq: 30 Dec 2020 14:08

Tgt Ion: 50 Resp: 8270

Ion Ratio Lower Upper

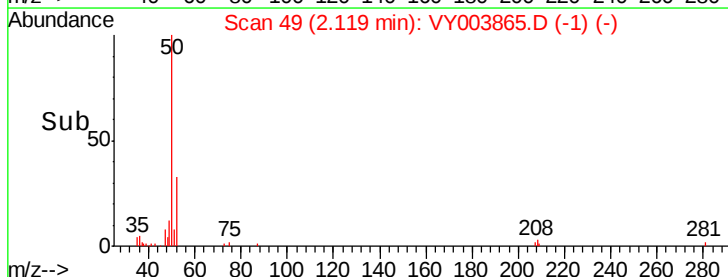
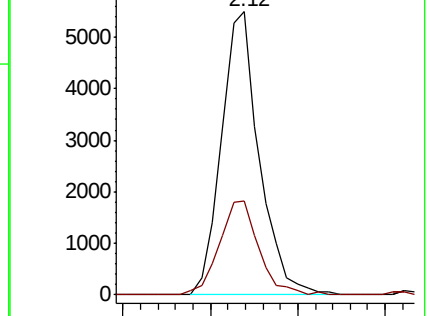
50 100

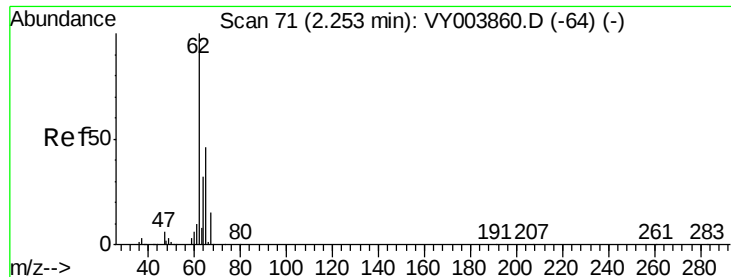
52 33.0 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#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

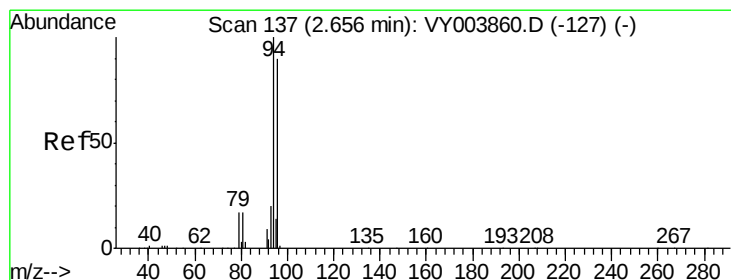
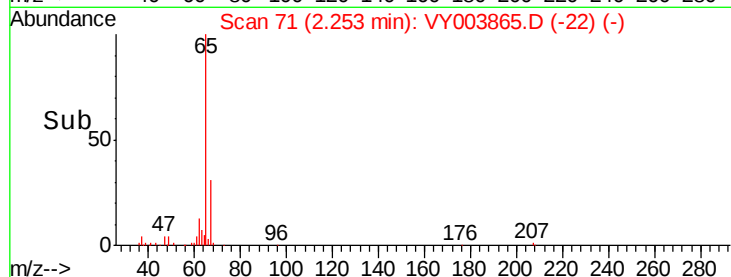
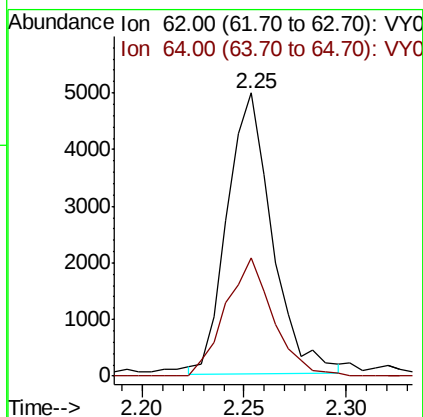
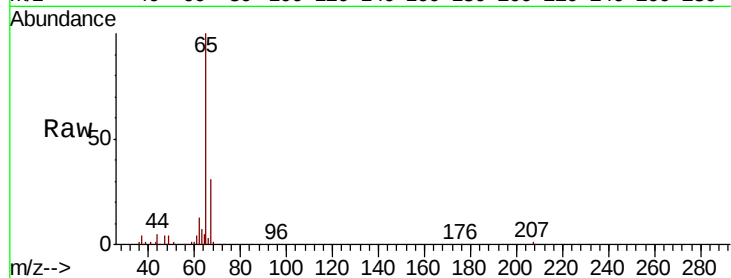
ClientSampleId :

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

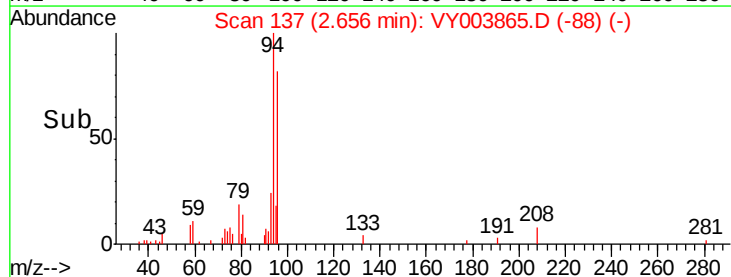
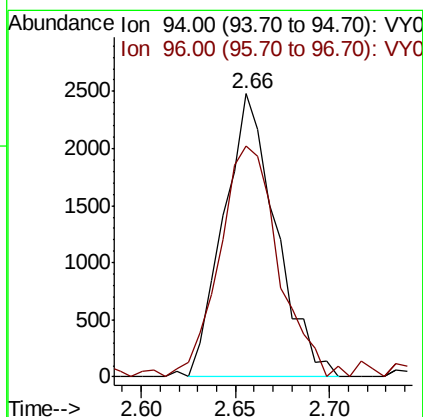
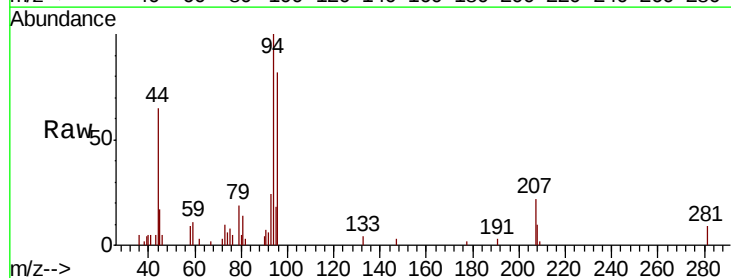
Acq: 30 Dec 2020 14:08

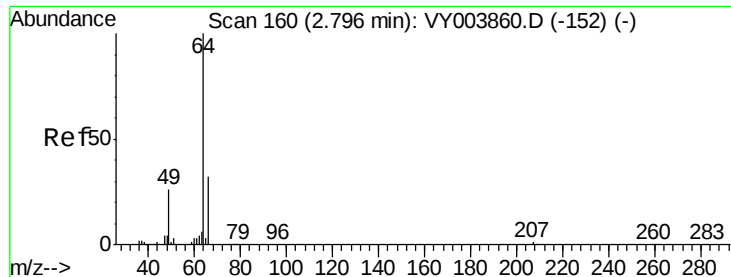
Tgt Ion: 94 Resp: 4754

Ion Ratio Lower Upper

94 100

96 81.7 64.3 119.3





#8

Chloroethane

Concen: 1.165 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

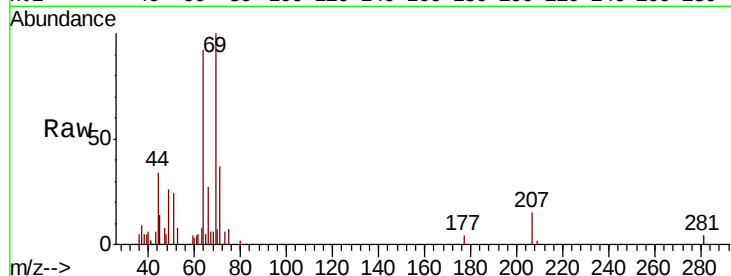
ClientSampled :

Tot Ion: 64 Resp: 4569

Ion Ratio Lower Upper

64 100

66 29.7 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0

2500

2000

1500

1000

500

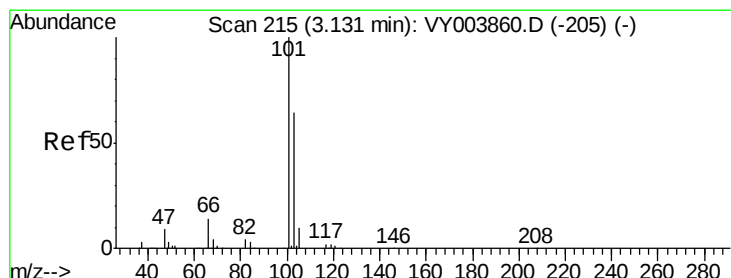
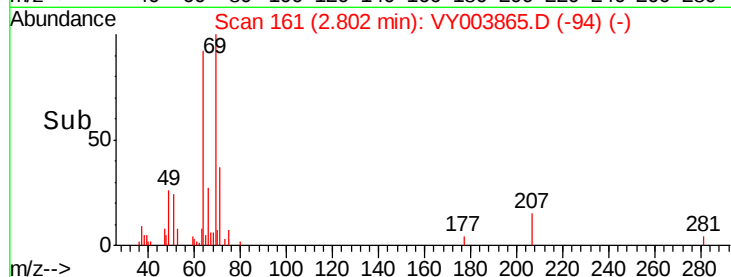
0

2.75

2.80

2.85

Time-->



#9

Trichlorofluoromethane

Concen: 1.179 ug/L

RT: 3.13 min Scan# 214

Delta R.T. -0.01 min

Lab File: VY003865.D

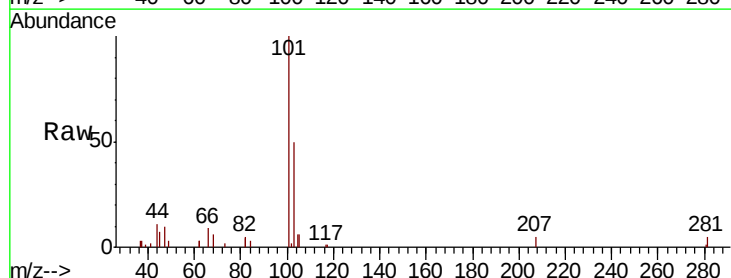
Acq: 30 Dec 2020 14:08

Tgt 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

5000

4000

3000

2000

1000

0

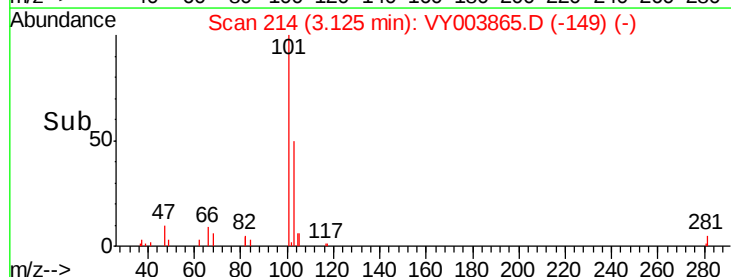
3.05

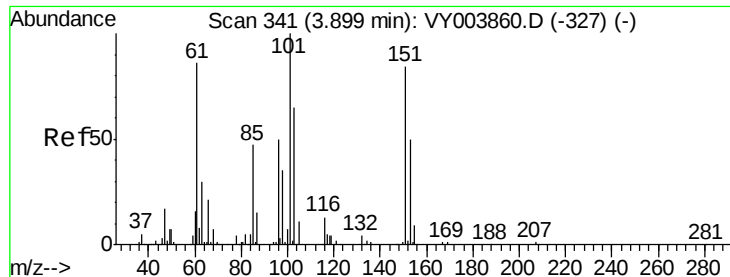
3.10

3.15

3.20

Time-->





#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

Instrument :

MSVOA_Y

ClientSampleId :

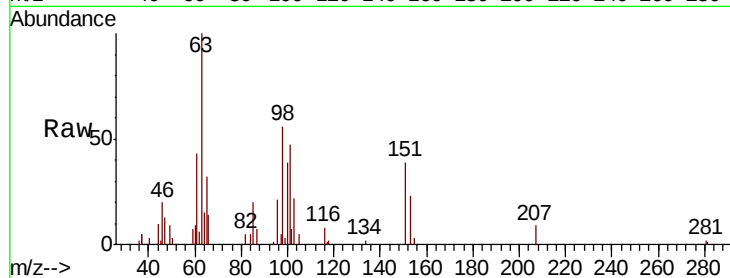
Tot Ion:101 Resp: 4819

Ion Ratio Lower Upper

101 100

85 26.7 37.1 55.7#

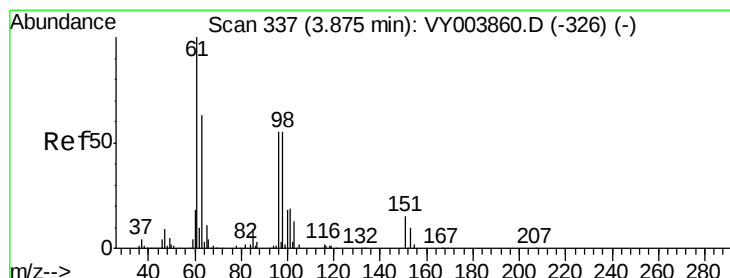
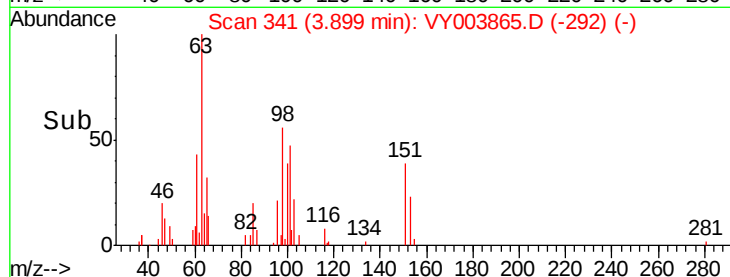
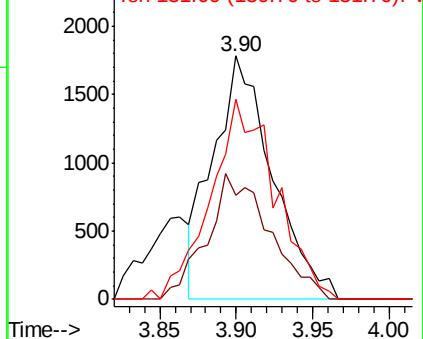
151 49.5 66.4 99.6#



Abundance Ion 101.00 (100.70 to 101.70): 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: 1.239 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

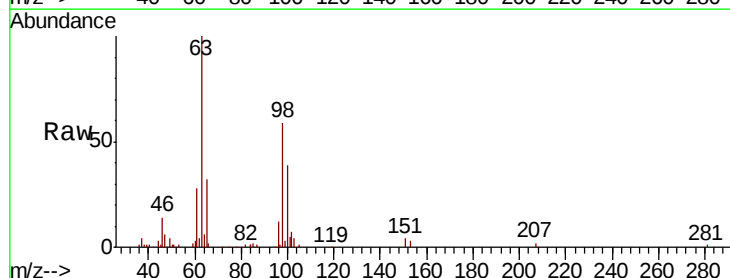
Tgt Ion: 96 Resp: 5303

Ion Ratio Lower Upper

96 100

61 238.3 123.8 230.0#

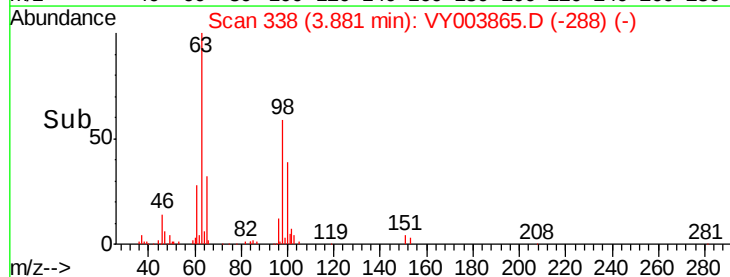
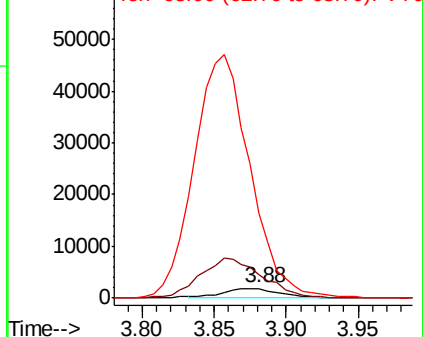
63 847.9 85.3 158.3#

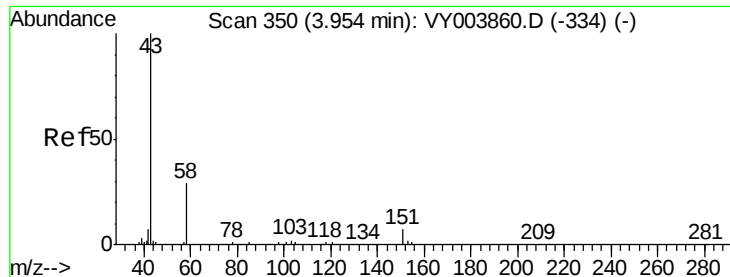


Abundance Ion 96.00 (95.70 to 96.70): VY003860.D (-326) (-)

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: 3.120 ug/L

RT: 3.95 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

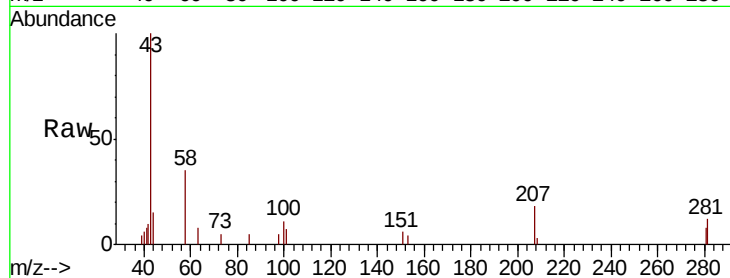
ClientSampleId :

Tot 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): VY003860.D (-334) (-)

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

3.95

2000

1500

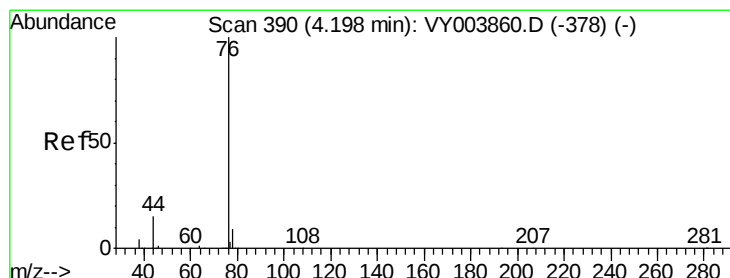
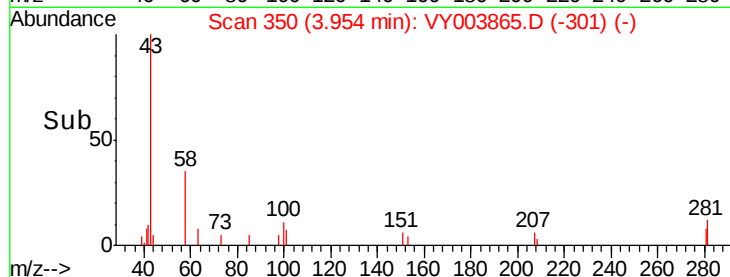
1000

500

0

Time-->

3.90 3.95 4.00



#14

Carbon disulfide

Concen: 0.966 ug/L

RT: 4.19 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY003865.D

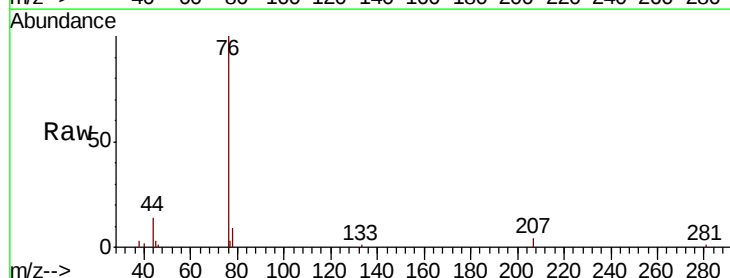
Acq: 30 Dec 2020 14:08

Tgt 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): VY003860.D (-378) (-)

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

4.19

6000

5000

4000

3000

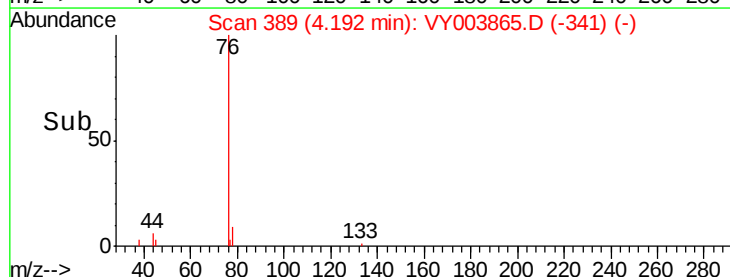
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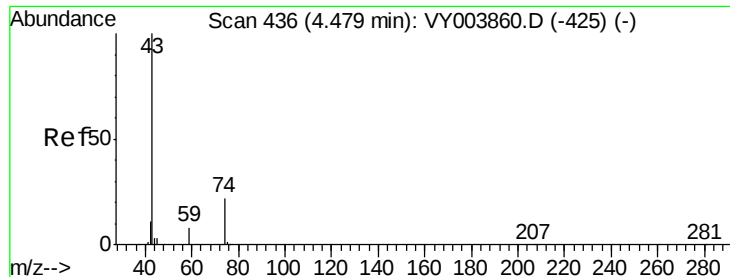
1000

0

Time-->

4.10 4.15 4.20 4.25

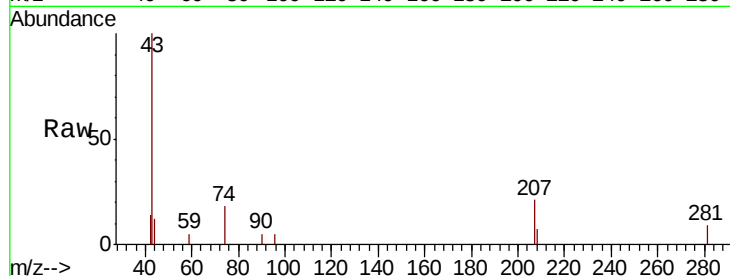




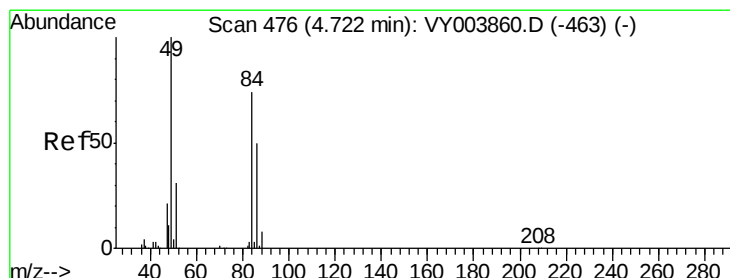
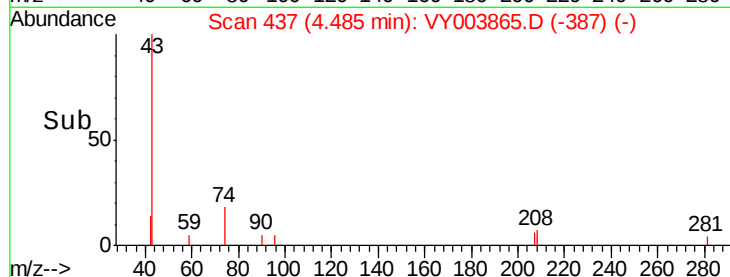
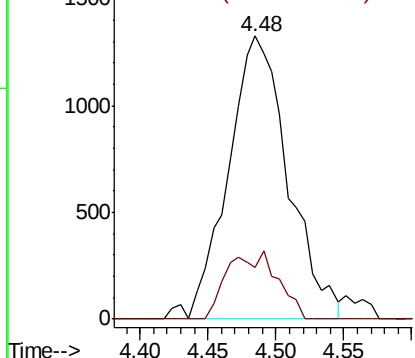
#15
Methyl Acetate
Concen: 1.127 ug/L
RT: 4.48 min Scan# 437
Delta R.T. 0.01 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 4061
Ion Ratio Lower Upper
43 100
74 8.2 17.4 26.2#

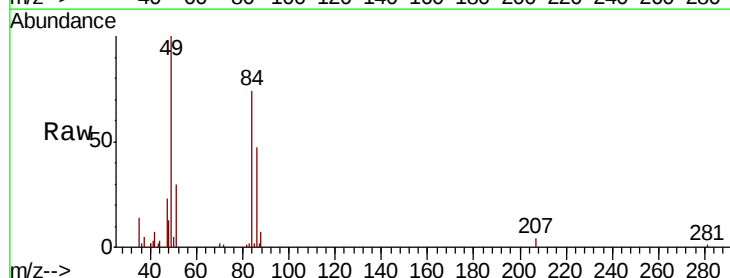


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 74.00 (73.70 to 74.70): VY0

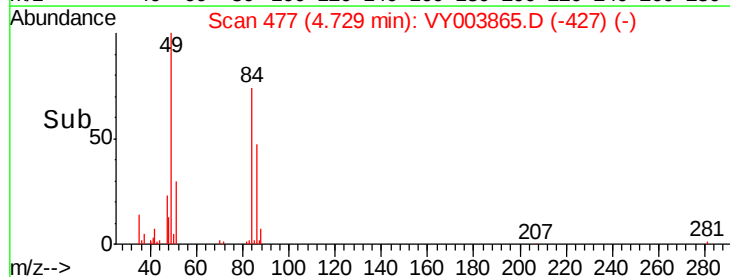
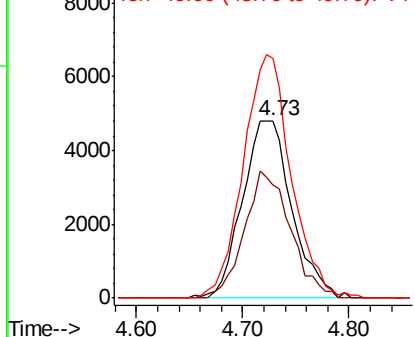


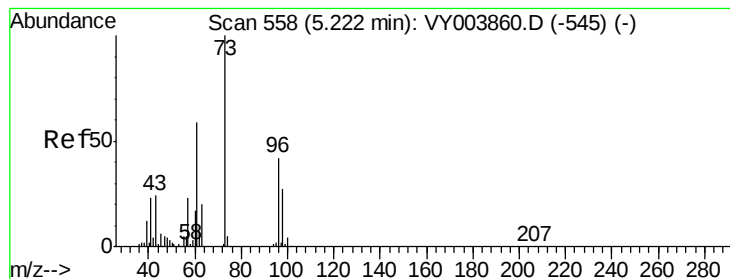
#16
Methylene chloride
Concen: 2.984 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Tgt 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: 1.103 ug/L m

RT: 5.22 min Scan# 558

Delta R.T. 0.00 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

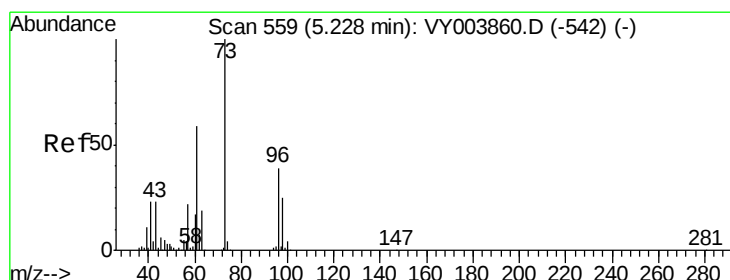
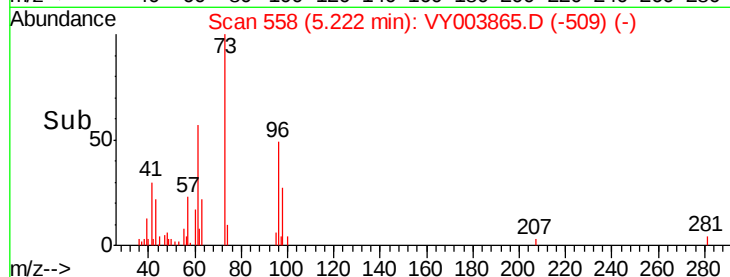
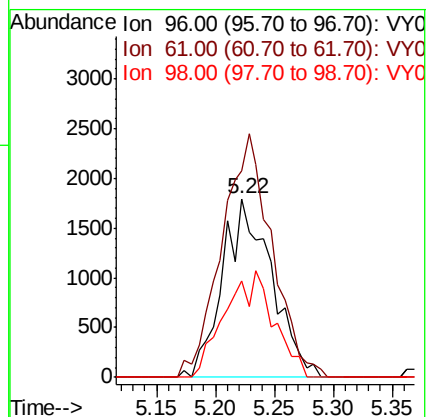
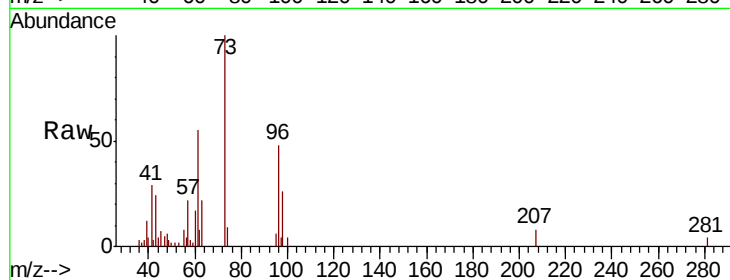
Tot Ion: 96 Resp: 5162

Ion Ratio Lower Upper

96 100

61 115.6 101.7 188.9

98 54.0 44.3 82.3



#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

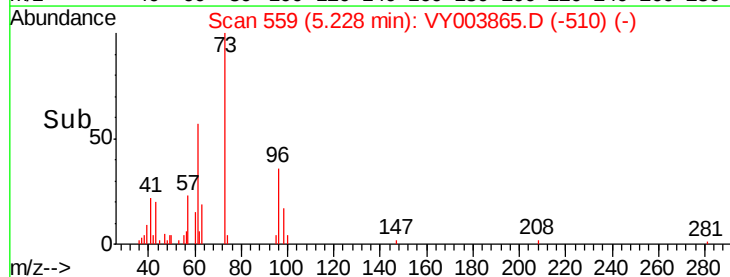
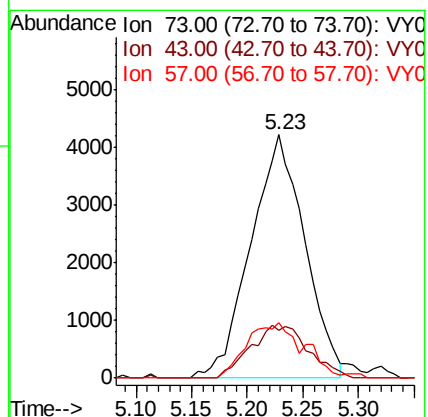
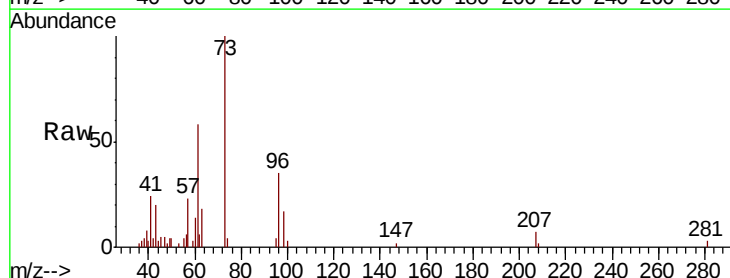
Tgt Ion: 73 Resp: 14227

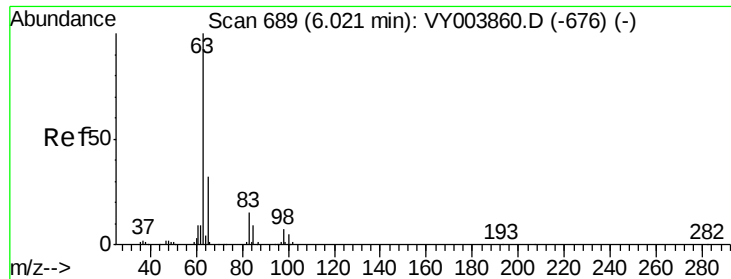
Ion Ratio Lower Upper

73 100

43 12.3 18.4 27.6#

57 11.8 17.6 26.4#

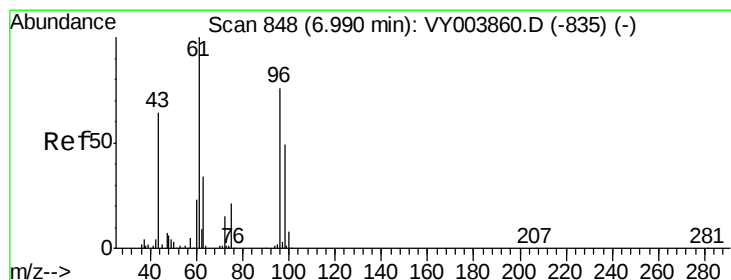
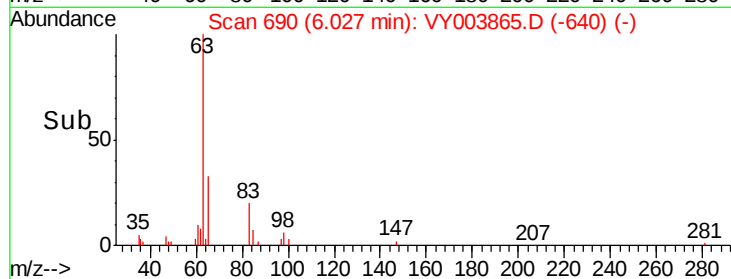
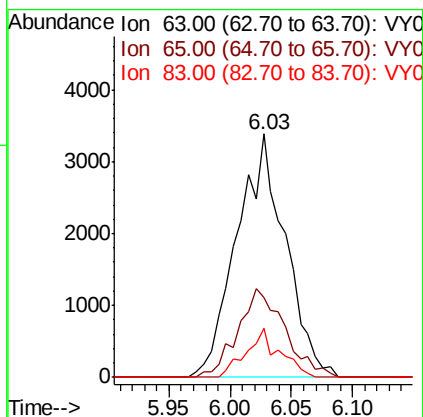
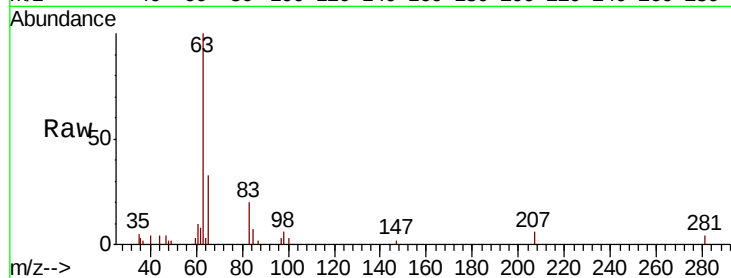




#19
 1,1-Dichloroethane
 Concen: 1.106 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

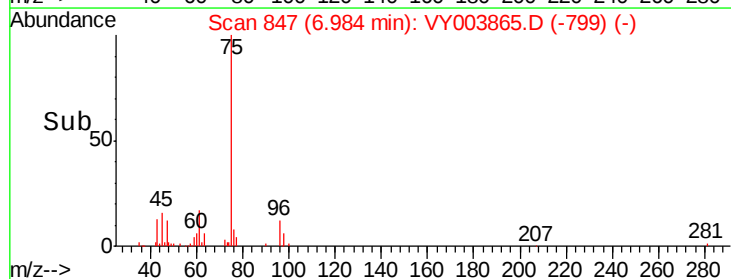
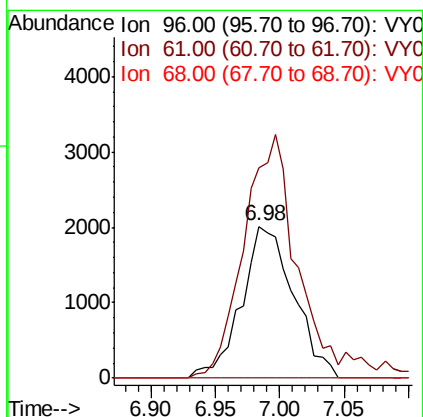
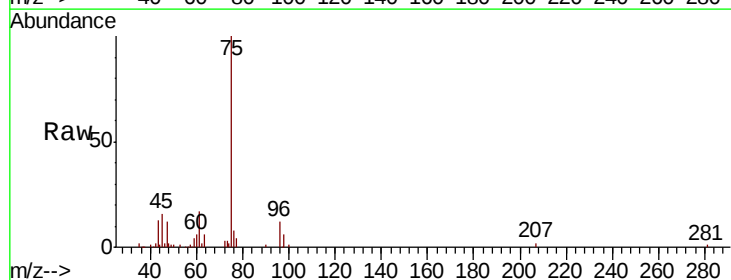
Instrument :
 MSVOA_Y
 ClientSampleId :

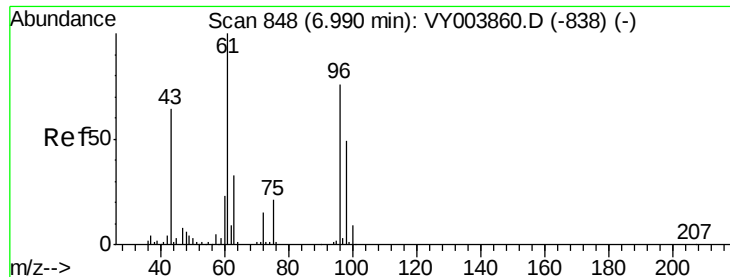
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	21.9	40.7
83	20.0	8.7	16.1



#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

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.5	90.6	168.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.158 ug/L m

RT: 7.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

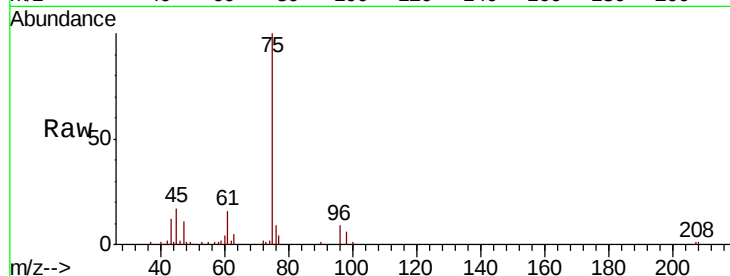
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 7668

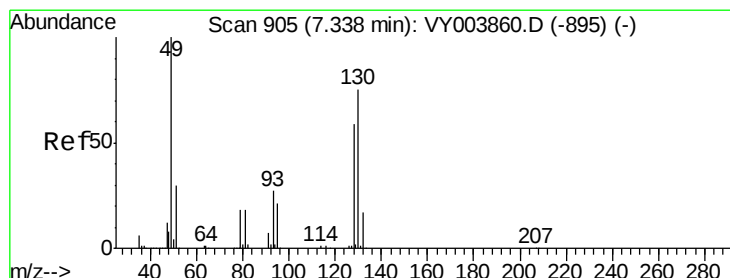
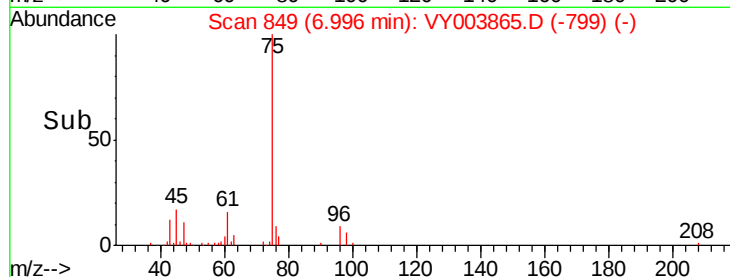
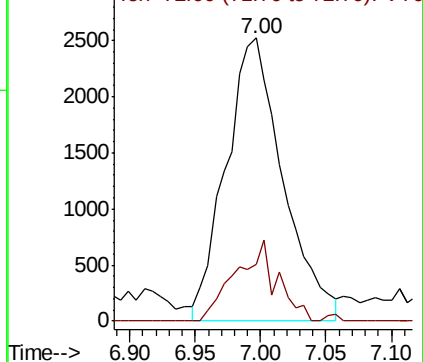
Ion Ratio Lower Upper

43 100

72 0.5 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: 1.122 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

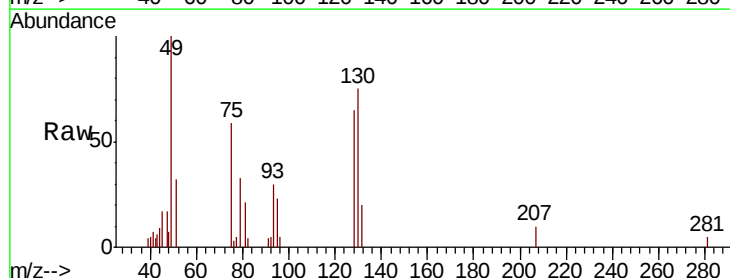
Ion Ratio Lower Upper

128 100

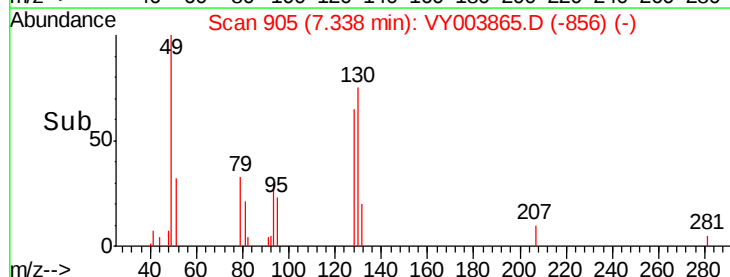
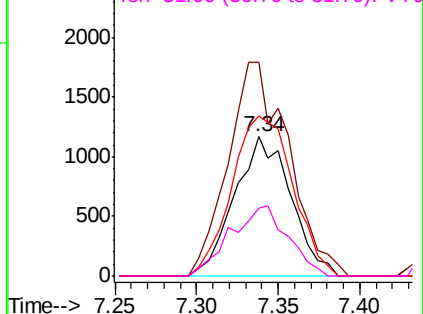
49 153.7 114.4 212.4

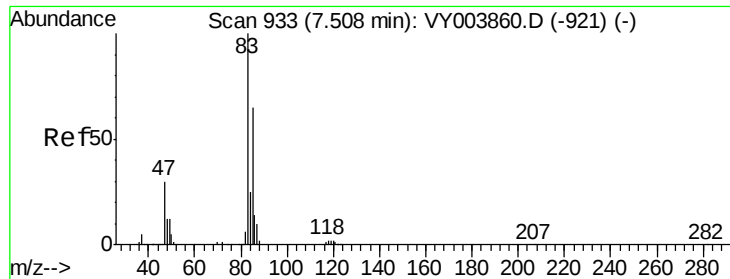
130 114.9 88.8 164.8

51 48.7 41.0 61.6



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: 1.331 ug/L

RT: 7.51 min Scan# 934

Delta R.T. 0.01 min

Lab File: VY003865.D

Acq: 30 Dec 2020 14:08

Instrument :

MSVOA_Y

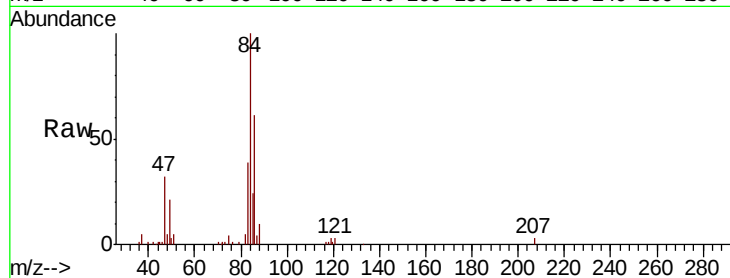
ClientSampled :

Tot Ion: 83 Resp: 11805

Ion Ratio Lower Upper

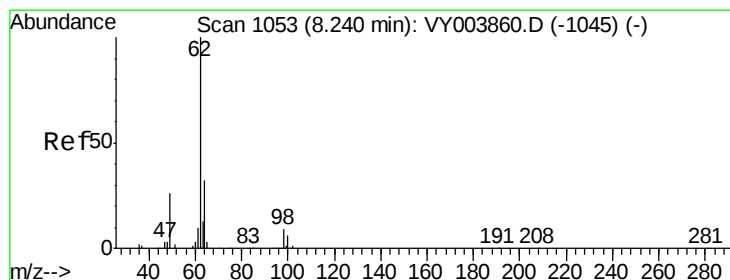
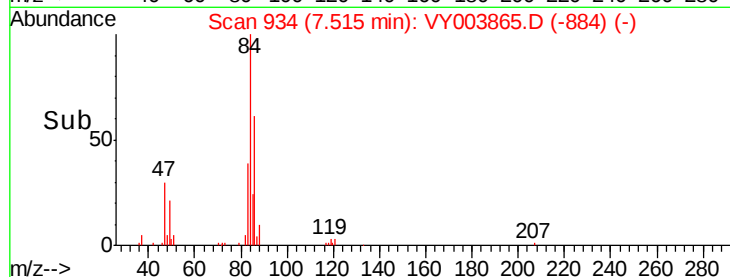
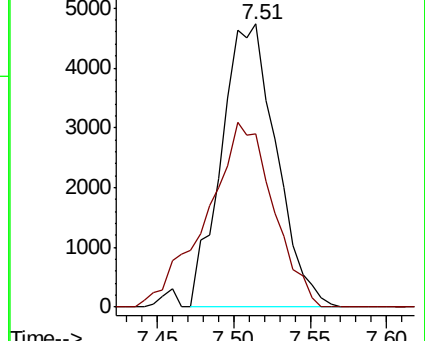
83 100

85 61.4 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: 1.140 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY003865.D

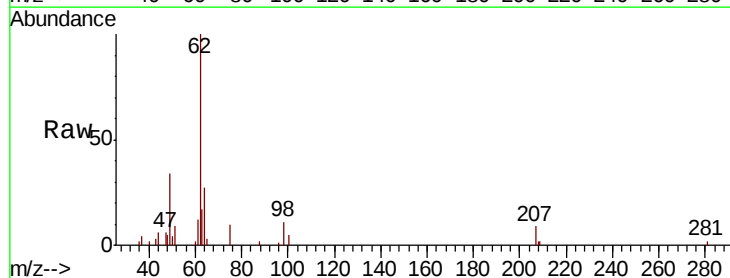
Acq: 30 Dec 2020 14:08

Tgt Ion: 62 Resp: 7853

Ion Ratio Lower Upper

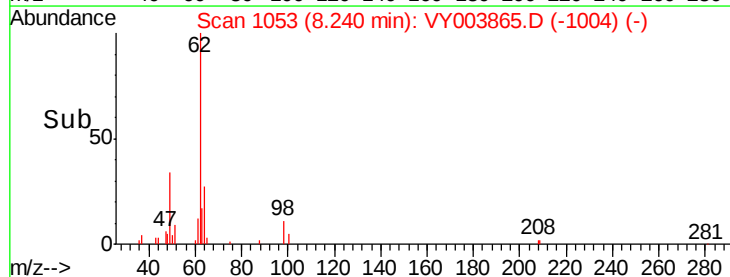
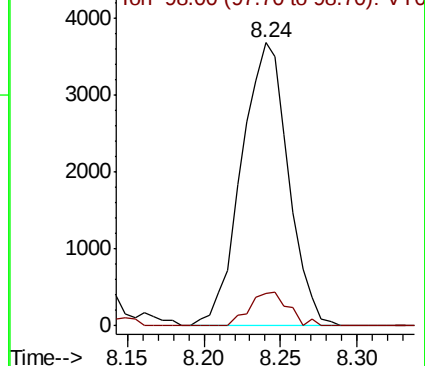
62 100

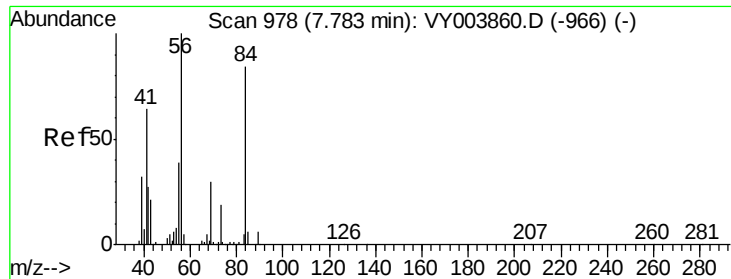
98 11.4 6.8 10.2#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

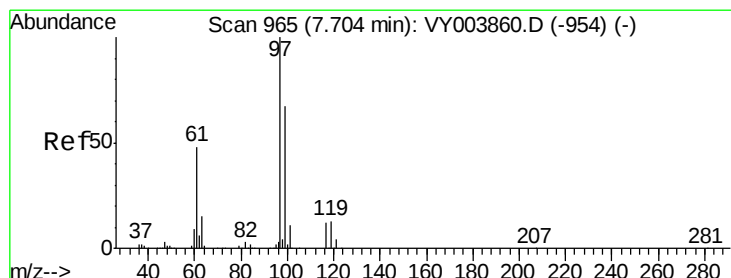
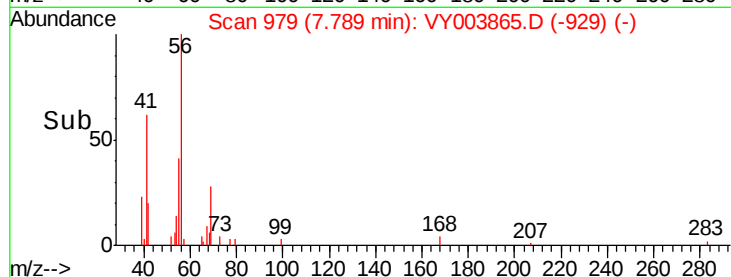
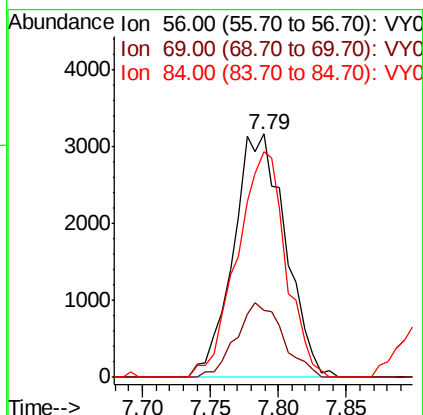
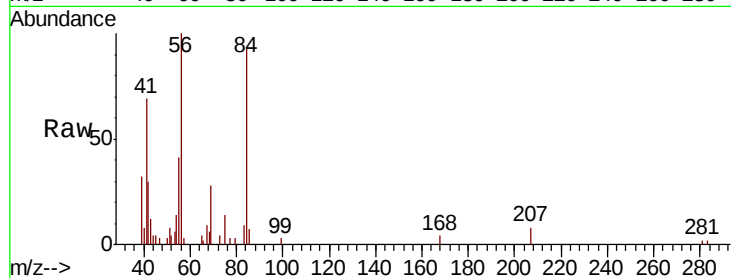




#29
Cyclohexane
Concen: 1.055 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.01 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

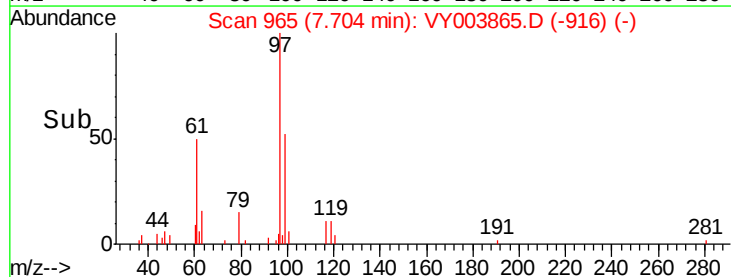
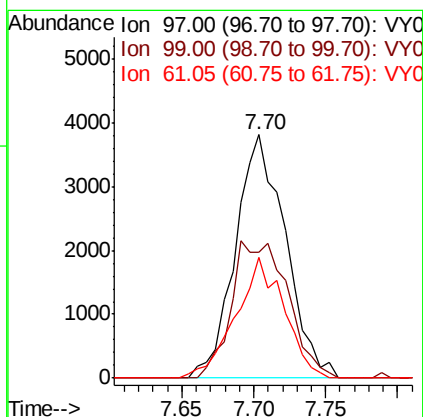
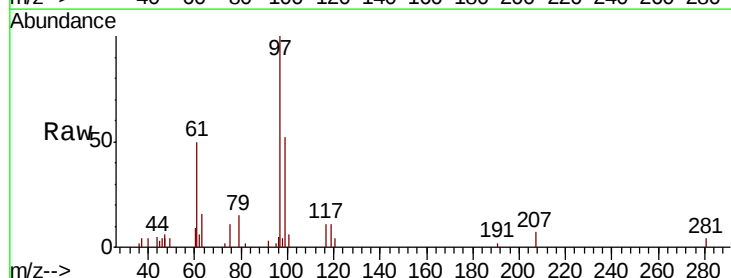
Instrument :
MSVOA_Y
ClientSampleId :

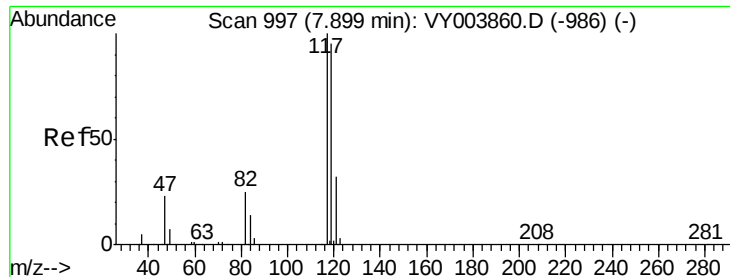
Tot Ion: 56 Resp: 8475
Ion Ratio Lower Upper
56 100
69 27.6 24.2 36.2
84 86.7 68.7 103.1



#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

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

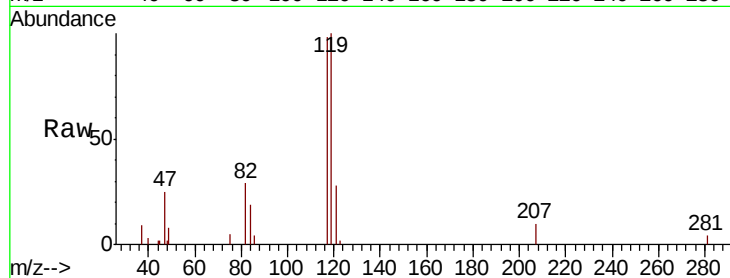




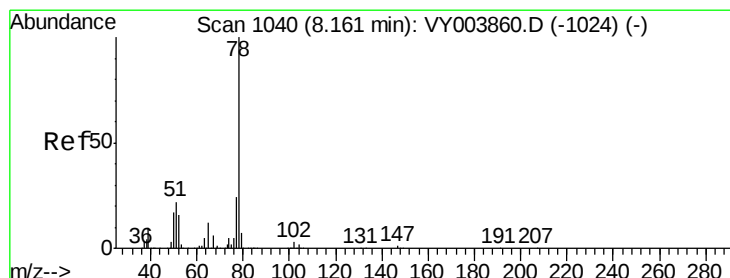
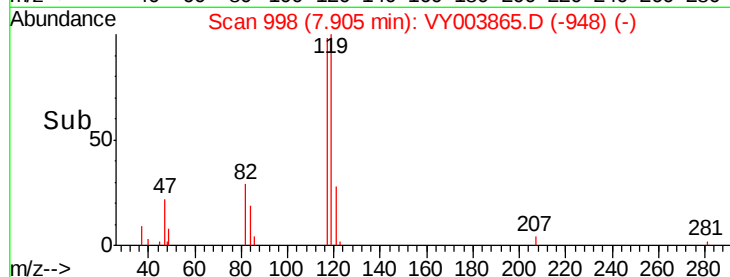
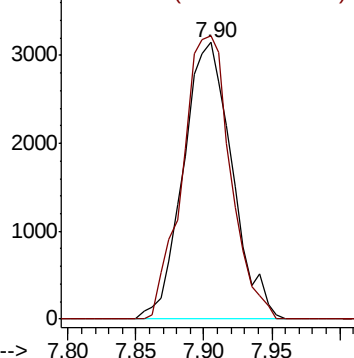
#31
Carbon tetrachloride
Concen: 1.034 ug/L
RT: 7.90 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Instrument :
MSVOA_Y
ClientSampleId :

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

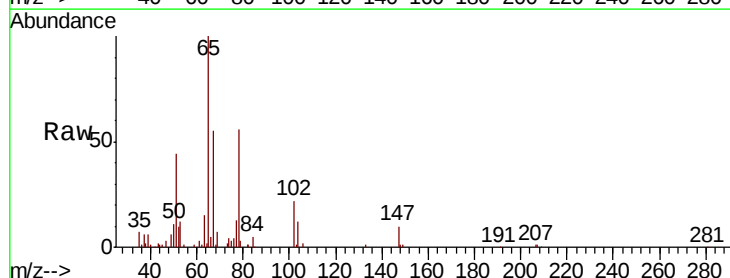


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

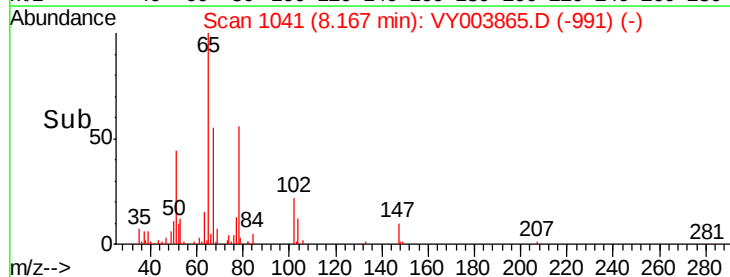
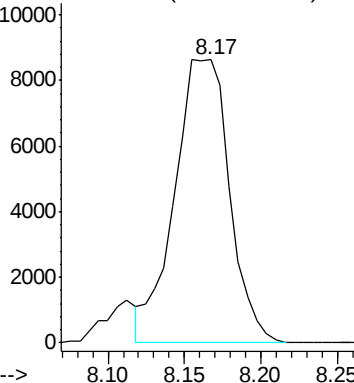


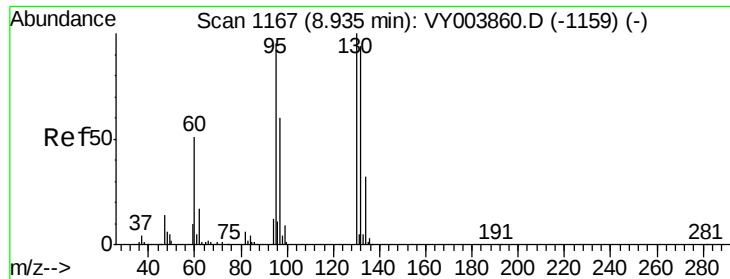
#33
Benzene
Concen: 1.154 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Tgt Ion: 78 Resp: 21616



Abundance Ion 78.00 (77.70 to 78.70): VY0

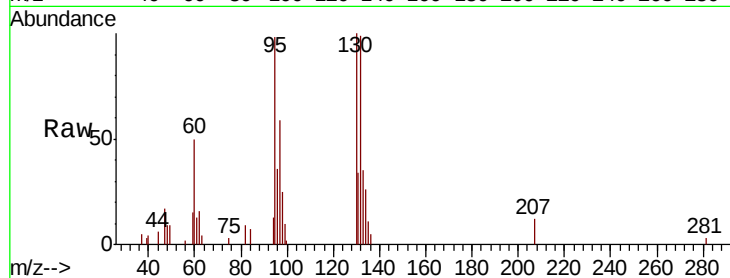




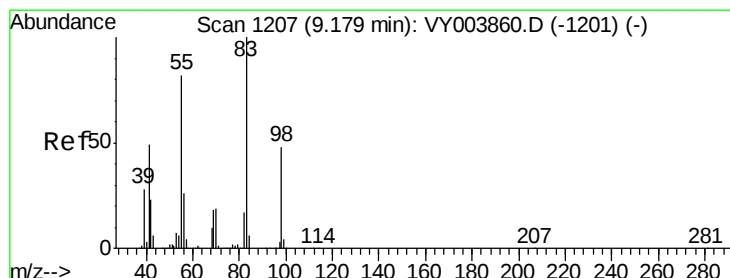
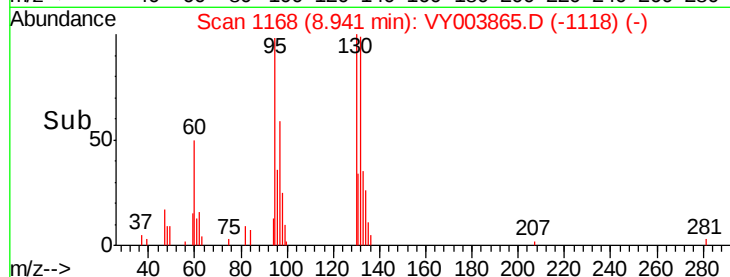
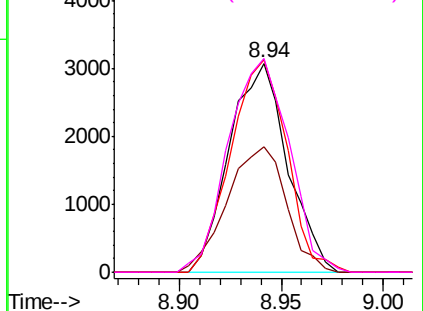
#34
 Trichloroethene
 Concen: 1.175 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Instrument :
 MSVOA_Y
 ClientSampleID :

Tot 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

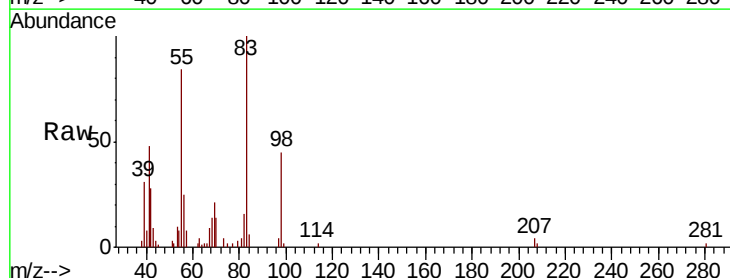


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

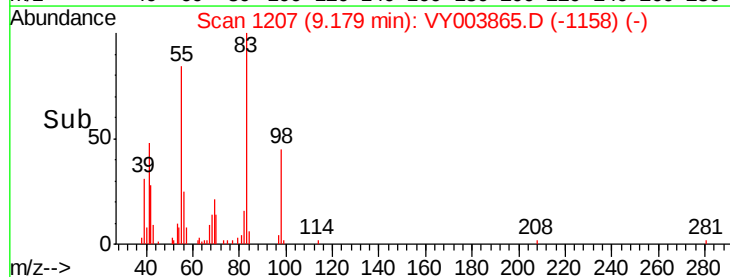
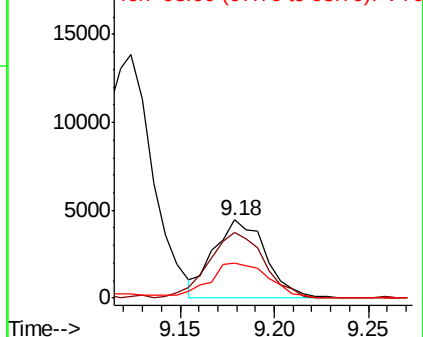


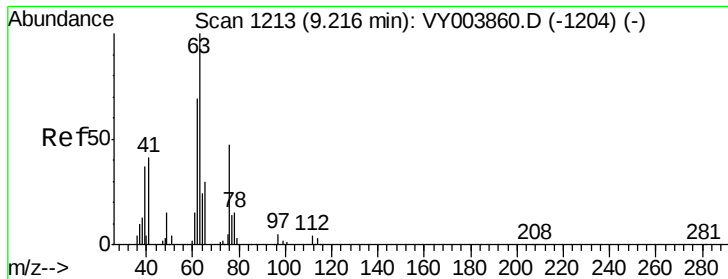
#35
 Methylcyclohexane
 Concen: 1.016 ug/L
 RT: 9.18 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Tgt Ion	83	Resp	8563
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

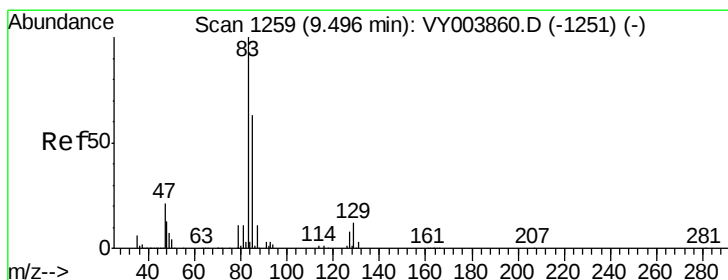
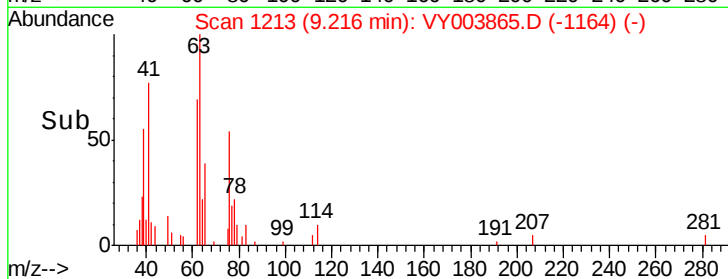
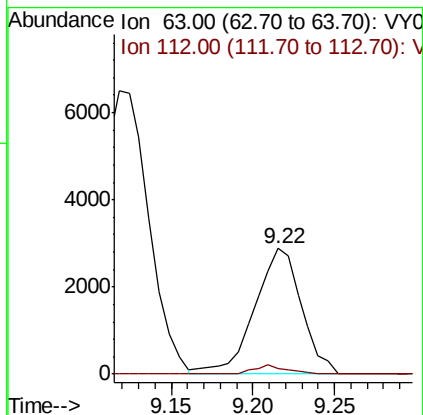
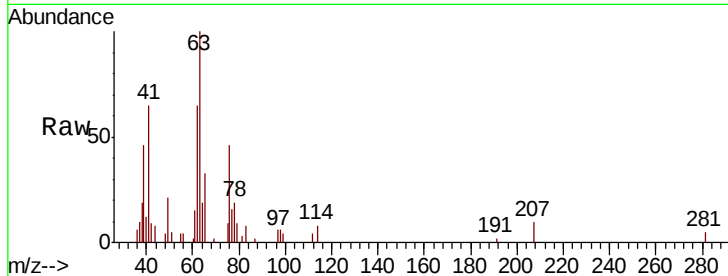




#37
 1,2-Dichloropropane
 Concen: 1.207 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

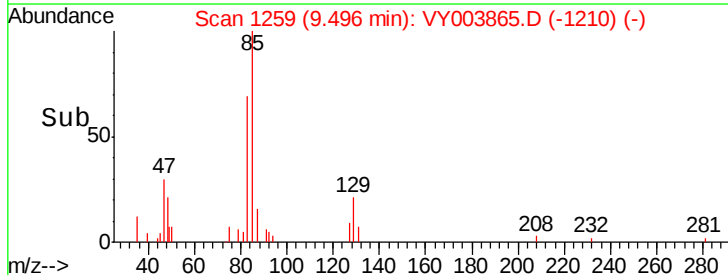
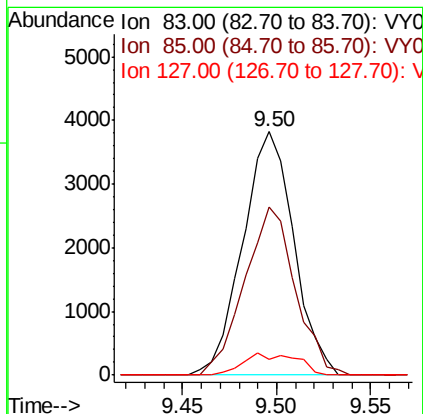
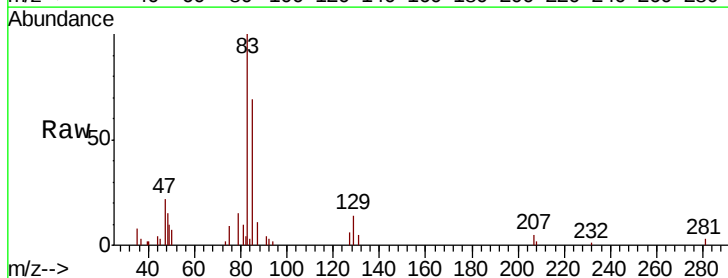
Instrument :
 MSVOA_Y
 ClientSampleId :

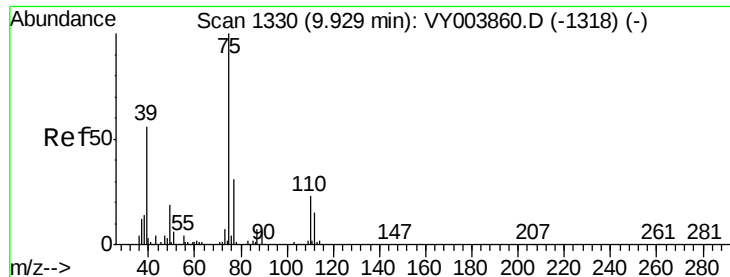
Tot Ion: 63 Resp: 5759
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.7 5.5



#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

Tgt Ion: 83 Resp: 7164
 Ion Ratio Lower Upper
 83 100
 85 69.2 44.2 82.0
 127 6.5 7.3 10.9#





#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

Instrument :

MSVOA_Y

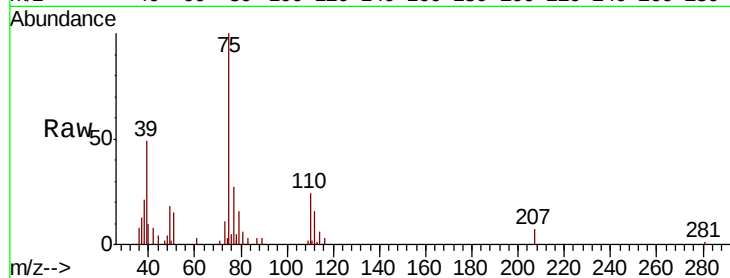
ClientSampleId :

Tot Ion: 75 Resp: 8325

Ion Ratio Lower Upper

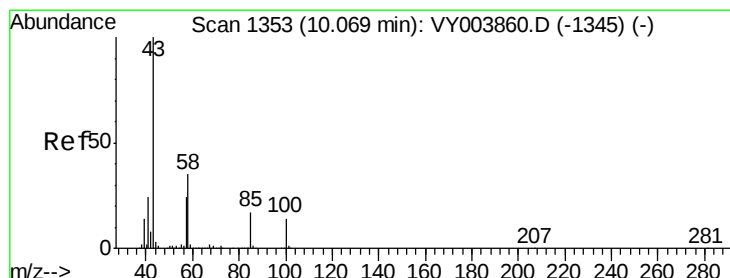
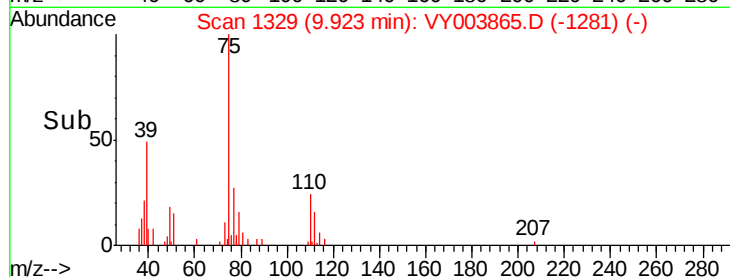
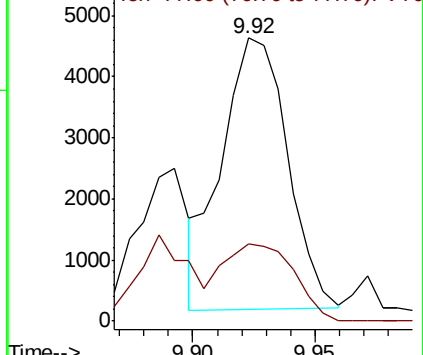
75 100

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

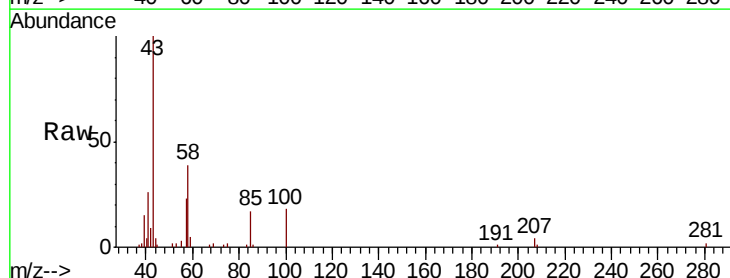
Tgt Ion: 43 Resp: 11758

Ion Ratio Lower Upper

43 100

58 35.7 29.6 44.4

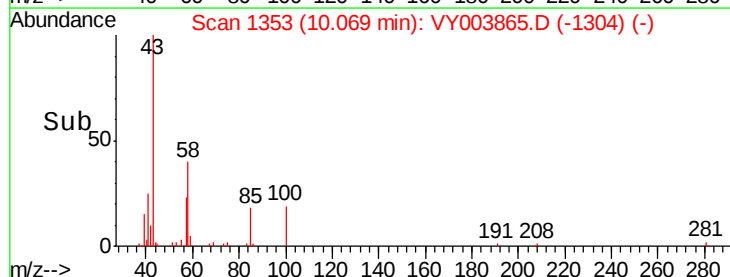
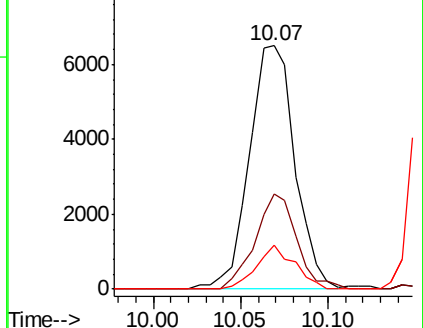
100 15.0 11.8 17.6

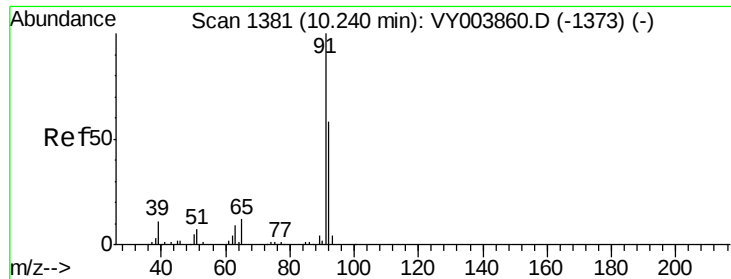


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#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

Instrument :

MSVOA_Y

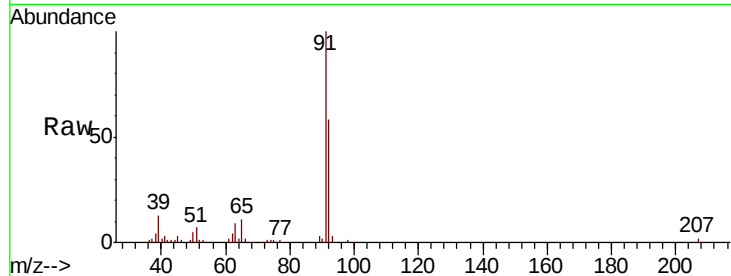
ClientSampleId :

Tot Ion: 91 Resp: 22833

Ion Ratio Lower Upper

91 100

92 57.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

15000

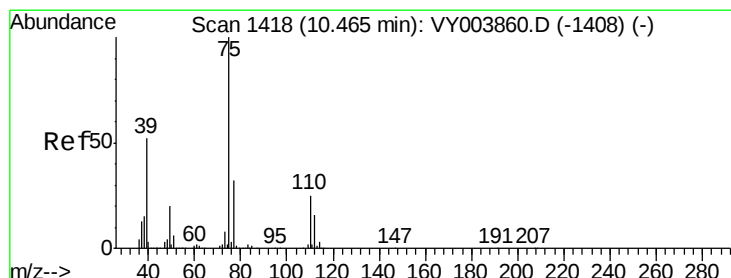
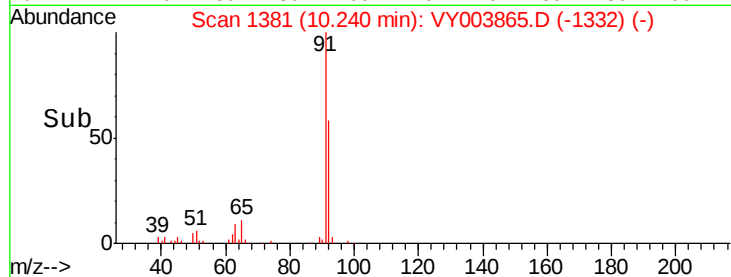
10000

5000

0

10.20 10.25 10.30

Time-->



#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

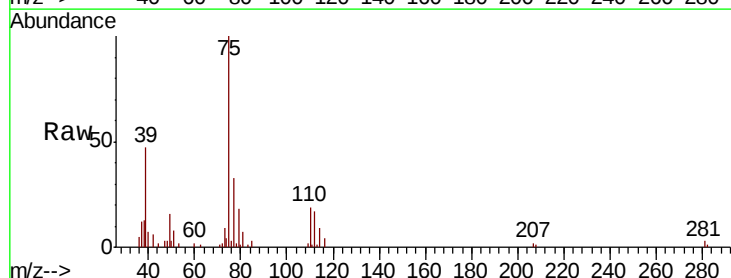
Acq: 30 Dec 2020 14:08

Tgt Ion: 75 Resp: 11927

Ion Ratio Lower Upper

75 100

77 33.3 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

6000

5000

4000

3000

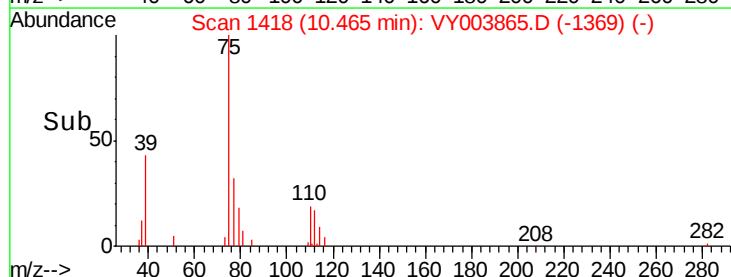
2000

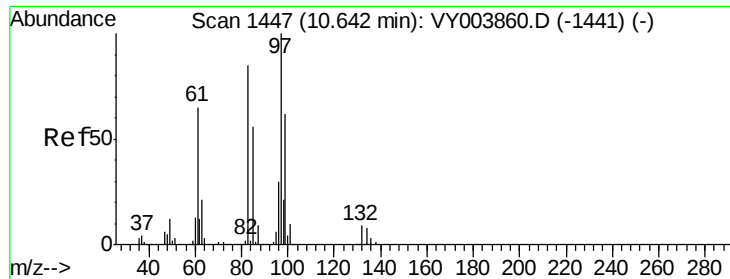
1000

0

10.40 10.45 10.50

Time-->

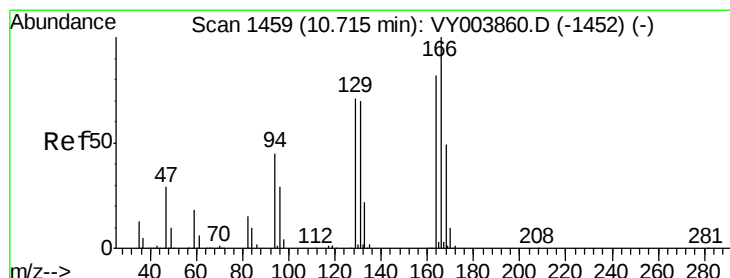
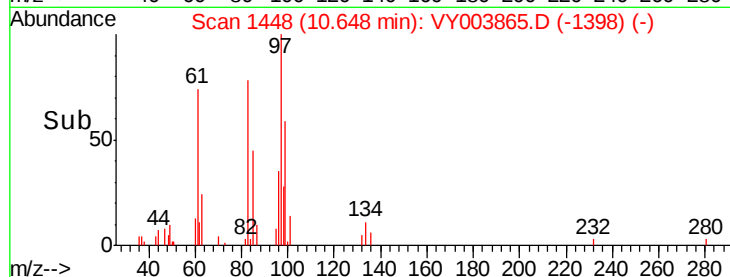
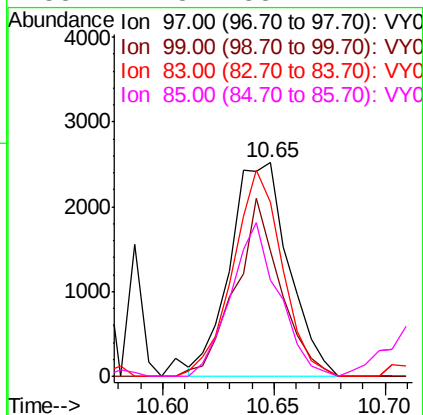
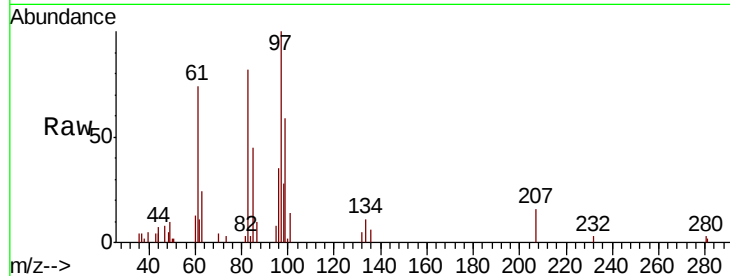




#45
1,1,2-Trichloroethane
Concen: 1.125 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. 0.01 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

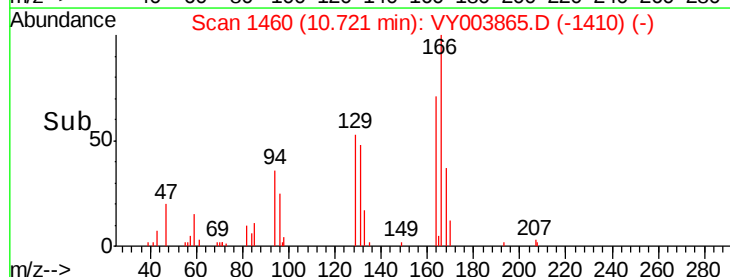
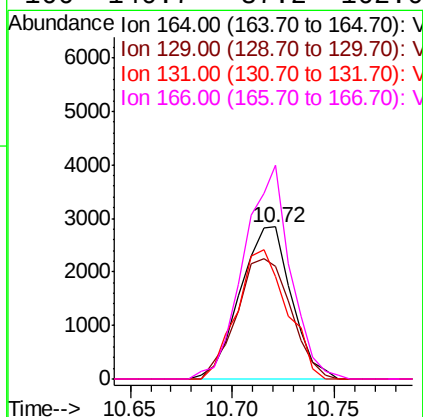
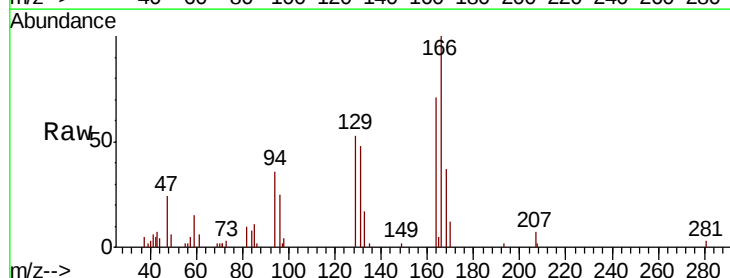
Instrument :
MSVOA_Y
ClientSampleId :

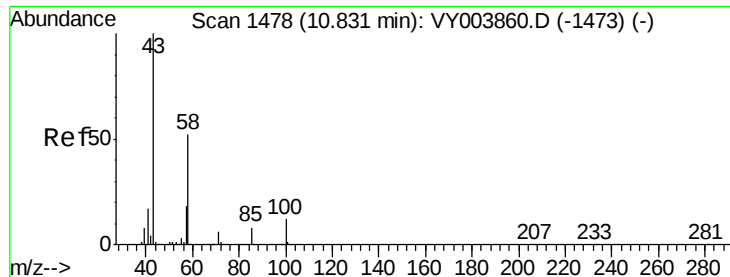
Tot Ion:	97	Resp:	4610
Ion	Ratio	Lower	Upper
97	100		
99	58.8	46.0	85.4
83	81.7	60.8	112.8
85	44.8	38.4	71.2



#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

Tgt 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

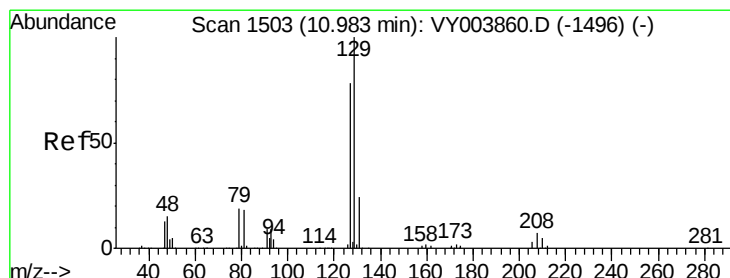
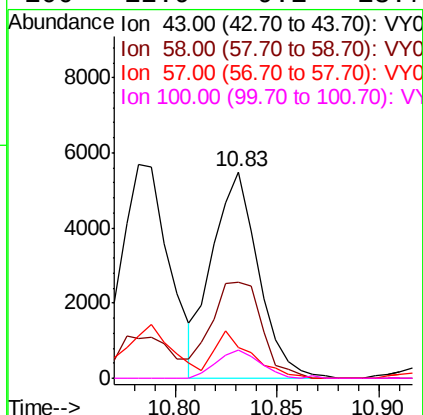
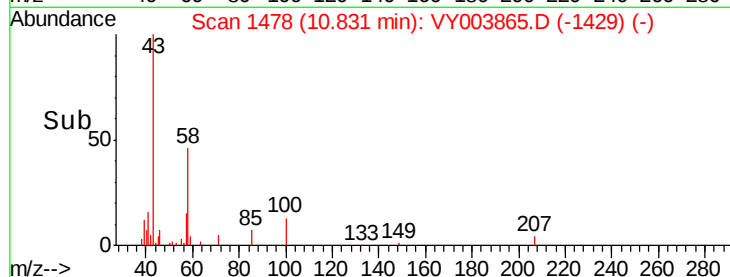
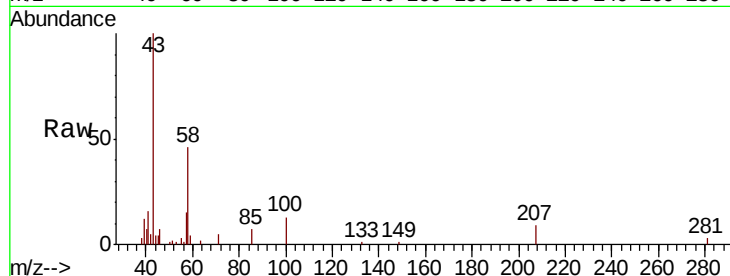




#48
2-Hexanone
Concen: 2.322 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

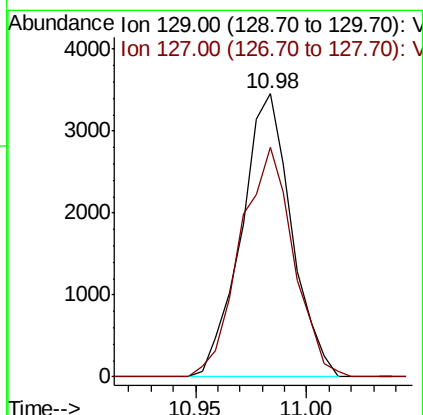
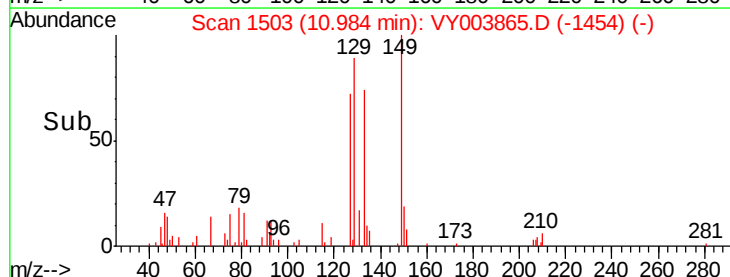
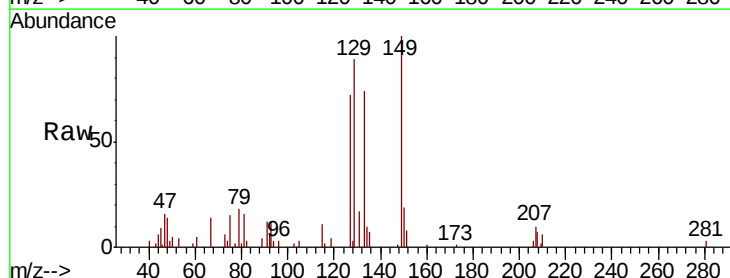
Instrument :
MSVOA_Y
ClientSampleId :

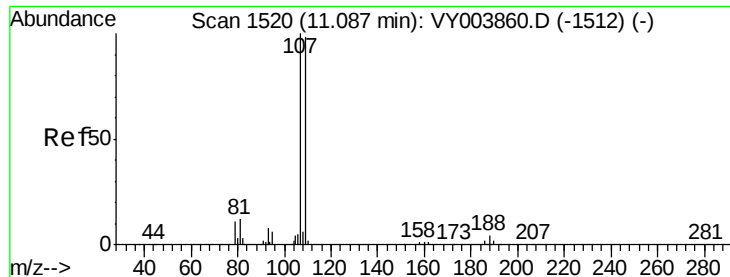
Tot Ion: 43 Resp: 8615
Ion Ratio Lower Upper
43 100
58 53.0 40.6 60.8
57 18.3 14.5 21.7
100 12.9 9.1 13.7



#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

Tgt Ion: 129 Resp: 5435
Ion Ratio Lower Upper
129 100
127 81.0 52.7 97.9

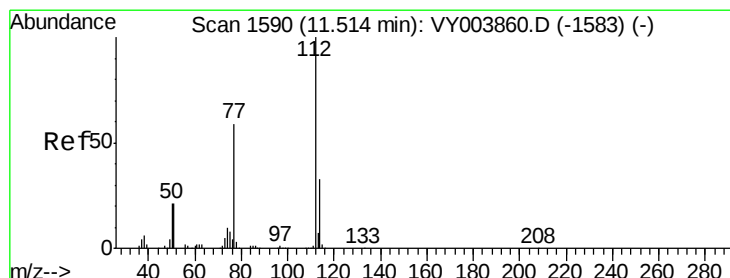
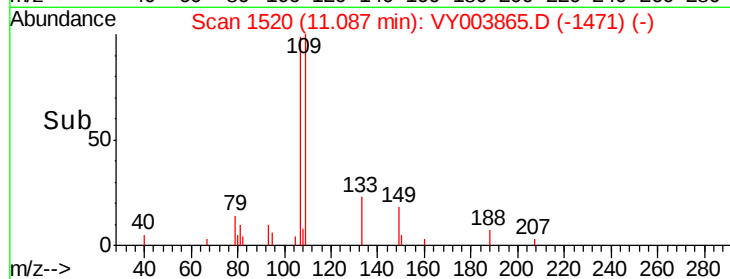
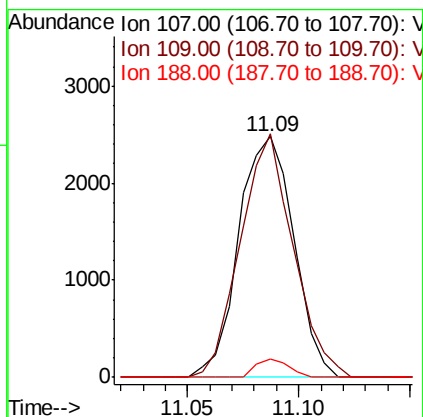
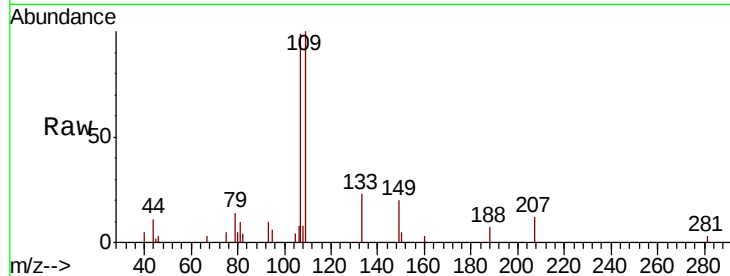




#50
1,2-Dibromoethane
Concen: 1.053 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

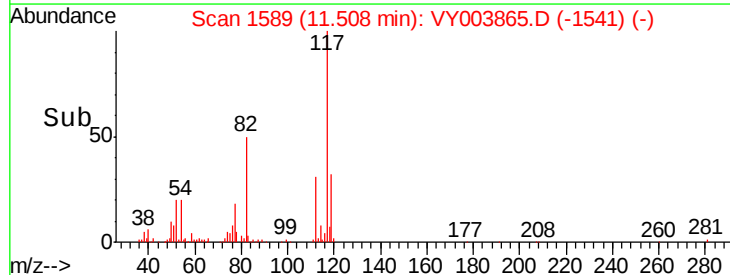
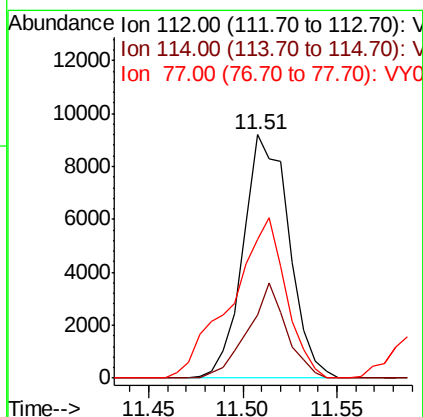
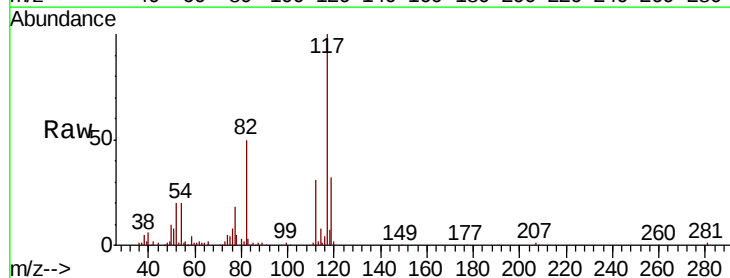
Instrument :
MSVOA_Y
ClientSampleId :

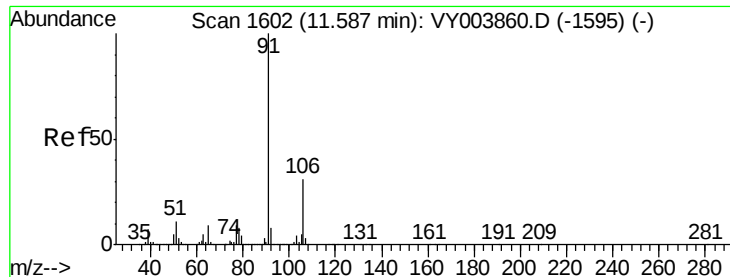
Tot Ion:107 Resp: 4261
Ion Ratio Lower Upper
107 100
109 101.2 65.5 121.7
188 7.5 3.6 5.4#



#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

Tgt Ion:112 Resp: 15535
Ion Ratio Lower Upper
112 100
114 26.1 22.5 41.9
77 56.7 45.2 67.8





#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

Instrument :

MSVOA_Y

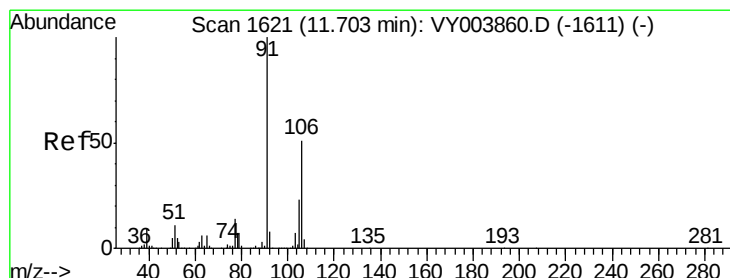
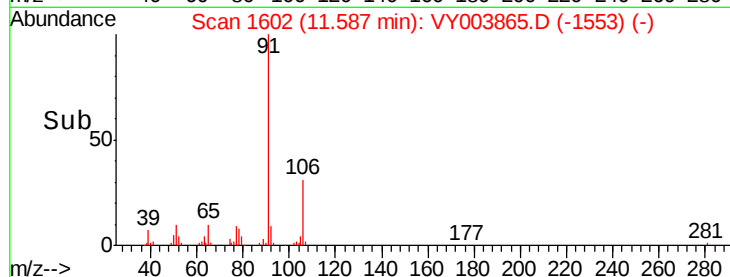
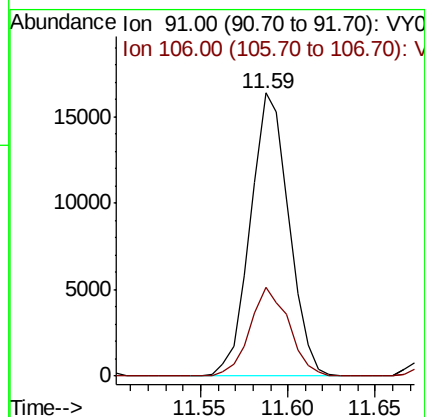
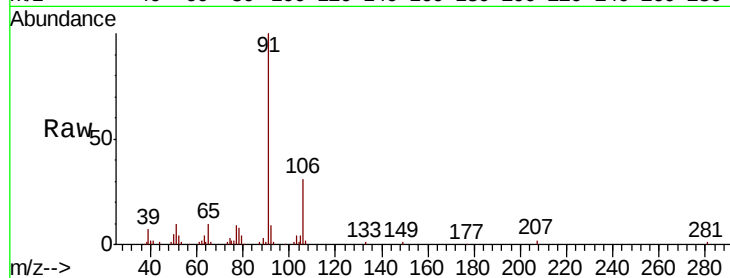
ClientSampleId :

Tot Ion: 91 Resp: 25128

Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.0



#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

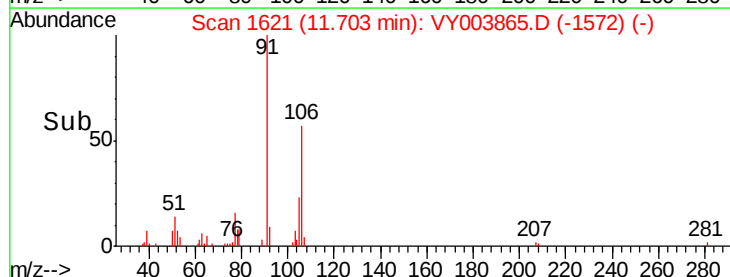
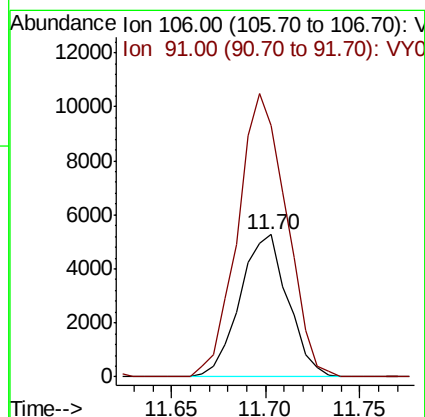
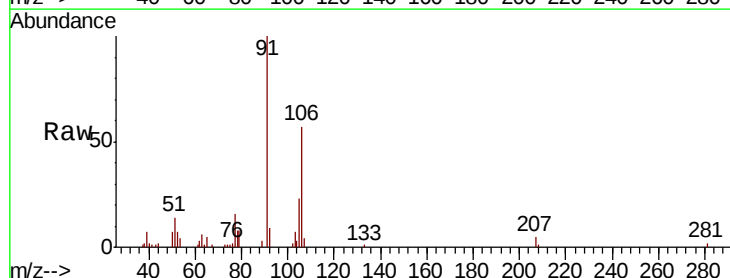
Acq: 30 Dec 2020 14:08

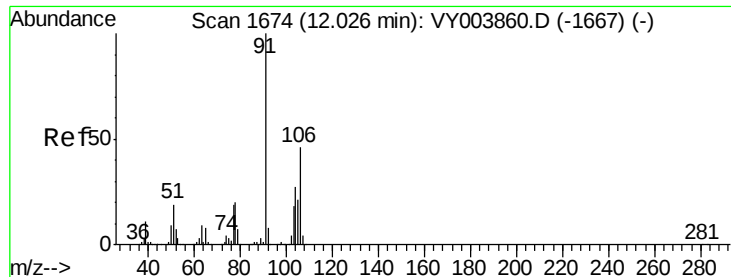
Tgt Ion: 106 Resp: 9289

Ion Ratio Lower Upper

106 100

91 176.2 146.3 271.7

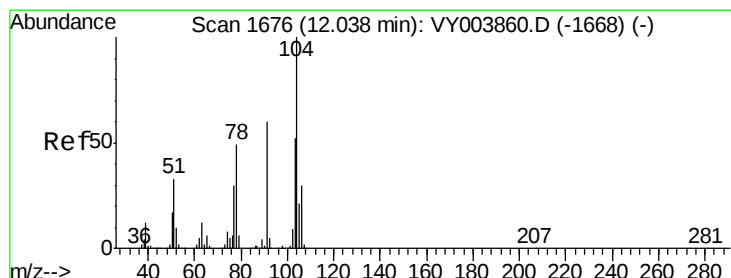
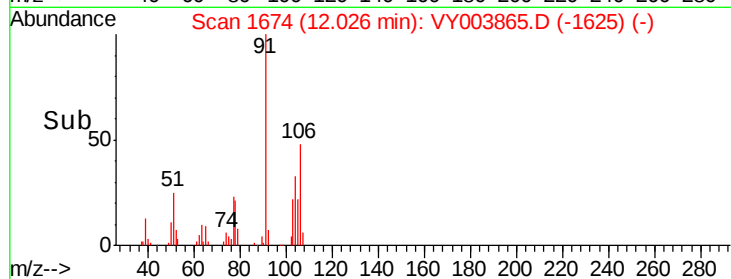
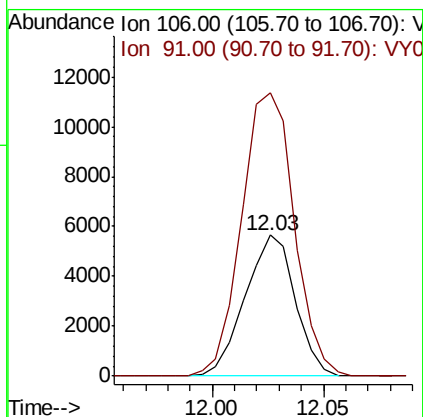
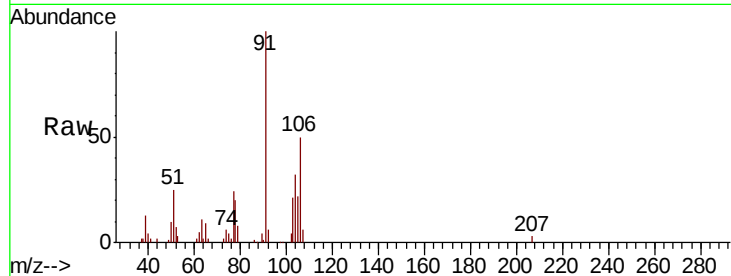




#54
o-Xylene
Concen: 1.031 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

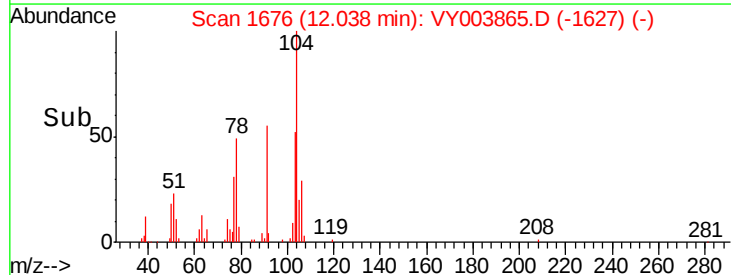
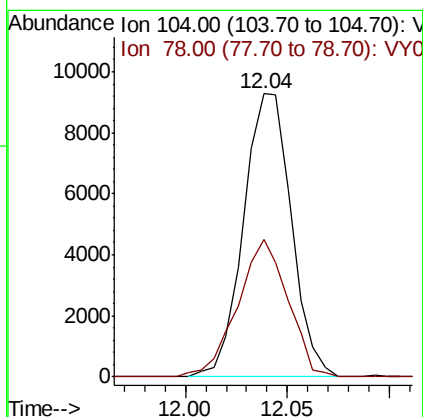
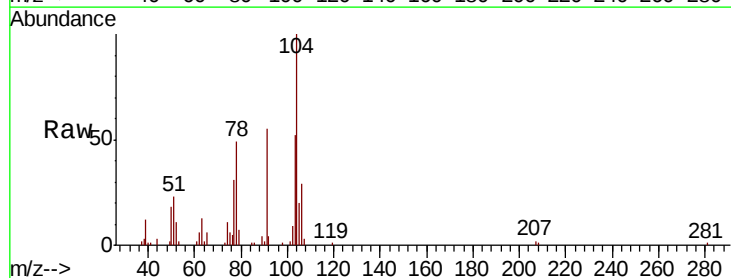
Instrument :
MSVOA_Y
ClientSampleId :

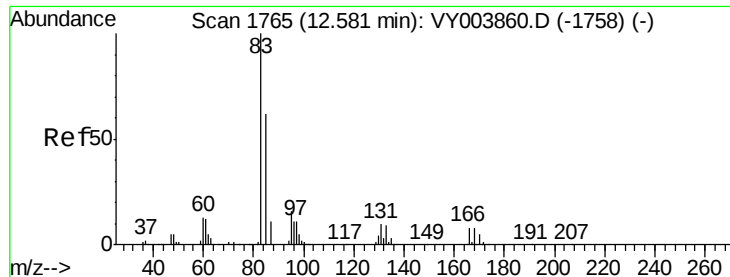
Tot Ion:106 Resp: 8837
Ion Ratio Lower Upper
106 100
91 200.8 147.7 274.3



#55
Styrene
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

Tgt Ion:104 Resp: 15103
Ion Ratio Lower Upper
104 100
78 48.6 33.2 61.7

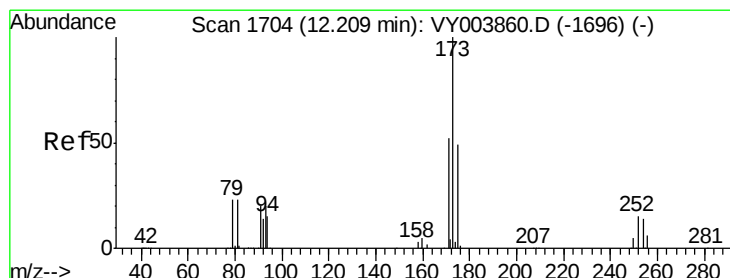
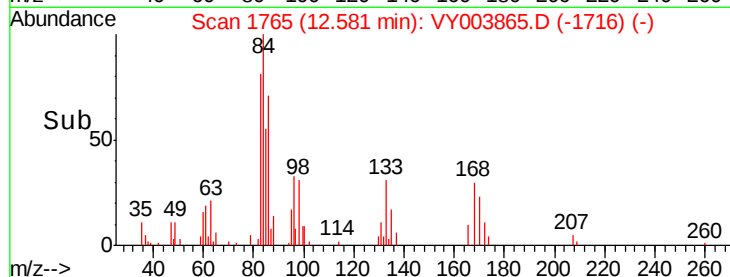
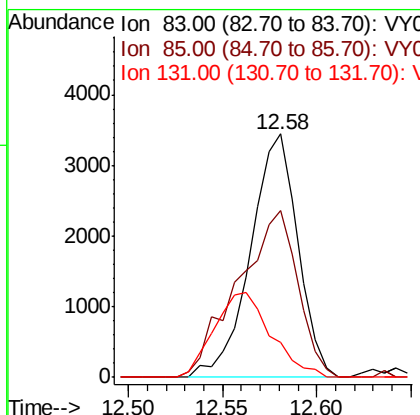
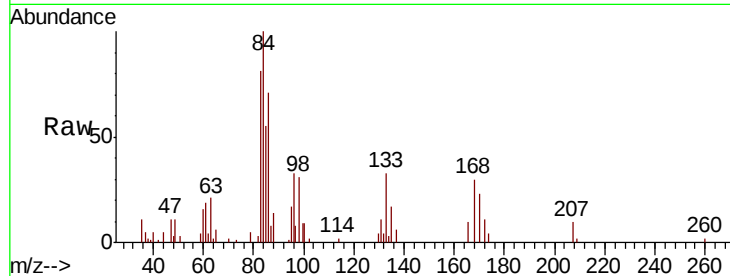




#57
1,1,2,2-Tetrachloroethane
Concen: 1.236 ug/L
RT: 12.58 min Scan# 1765
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

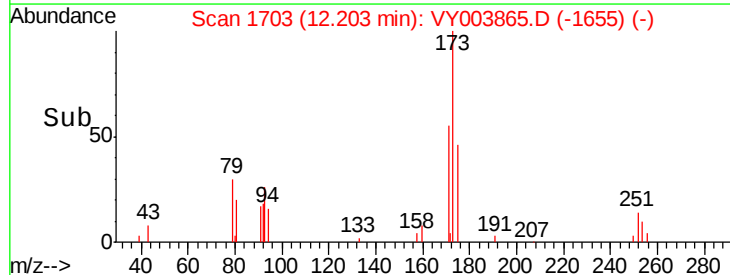
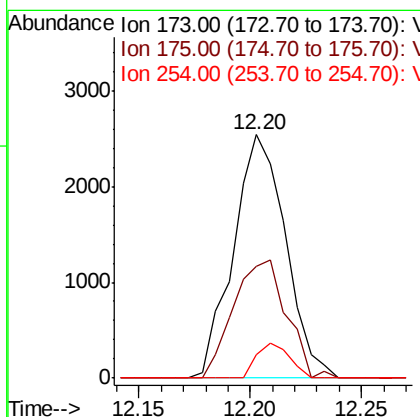
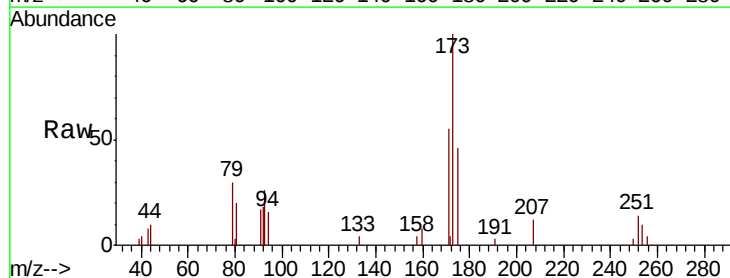
Instrument :
MSVOA_Y
ClientSampled :

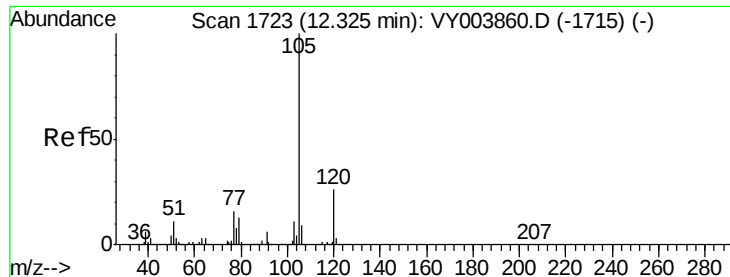
Tot Ion: 83 Resp: 5991
Ion Ratio Lower Upper
83 100
85 68.5 44.9 83.3
131 14.2 9.0 13.6#



#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

Tgt Ion: 173 Resp: 4149
Ion Ratio Lower Upper
173 100
175 48.5 38.9 58.3
254 9.1 11.5 17.3#





#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

Instrument :

MSVOA_Y

ClientSampleId :

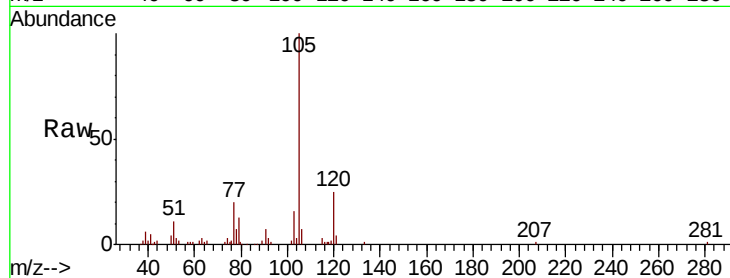
Tot Ion:105 Resp: 22649

Ion Ratio Lower Upper

105 100

120 28.3 21.7 32.5

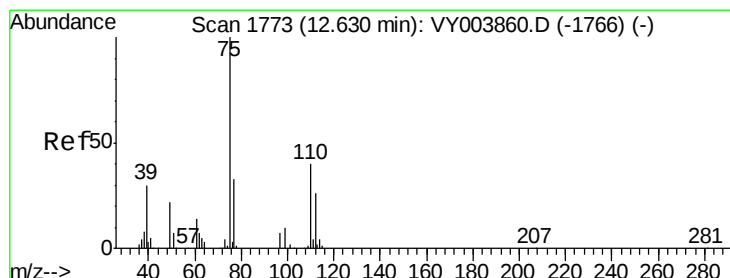
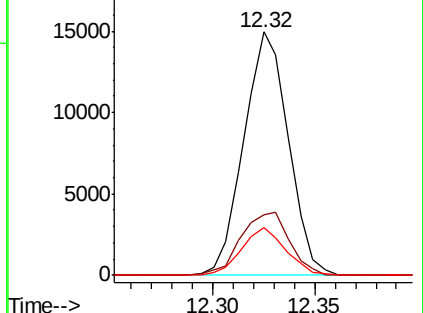
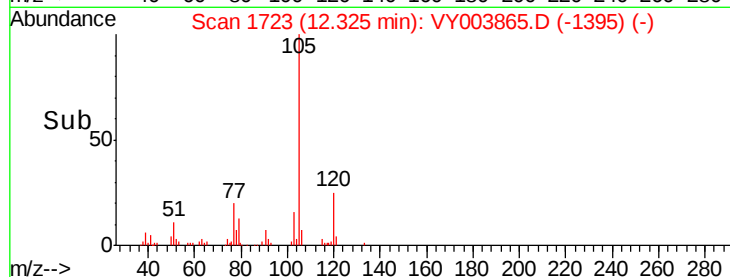
77 19.7 12.9 19.3#



Abundance Ion 105.00 (104.70 to 105.70): VY003865.D (-1715) (-)

Ion 120.00 (119.70 to 120.70): VY003865.D (-1715) (-)

Ion 77.00 (76.70 to 77.70): VY003865.D (-1715) (-)



#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

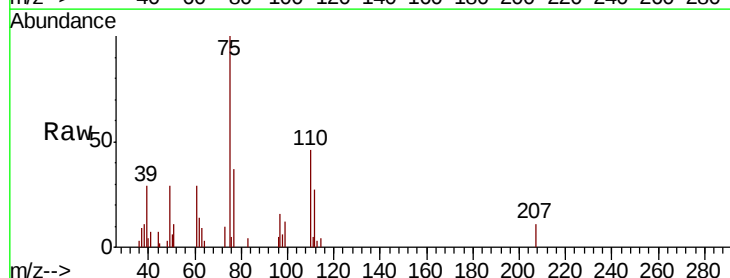
Tgt Ion: 75 Resp: 4851

Ion Ratio Lower Upper

75 100

77 34.8 26.2 39.4

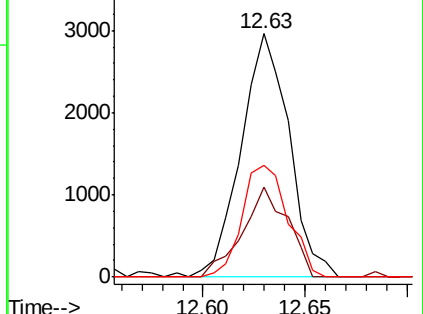
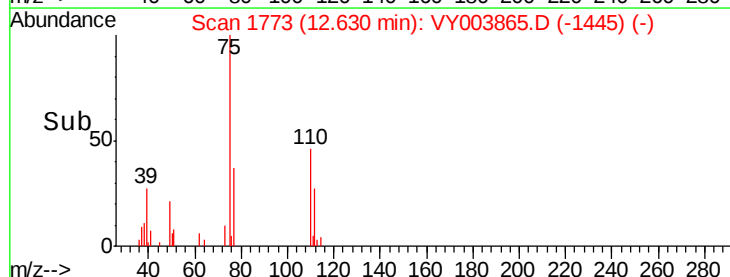
110 43.8 32.4 48.6

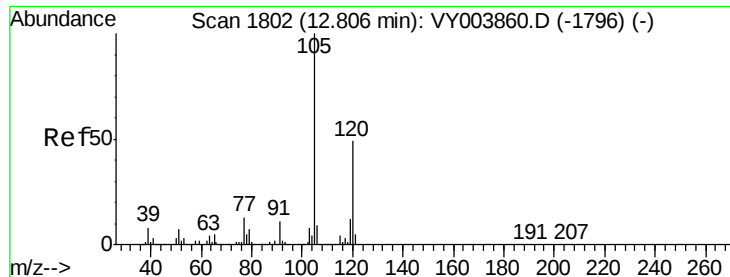


Abundance Ion 75.00 (74.70 to 75.70): VY003865.D (-1766) (-)

Ion 77.00 (76.70 to 77.70): VY003865.D (-1766) (-)

Ion 110.00 (109.70 to 110.70): VY003865.D (-1766) (-)





#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

Instrument :

MSVOA_Y

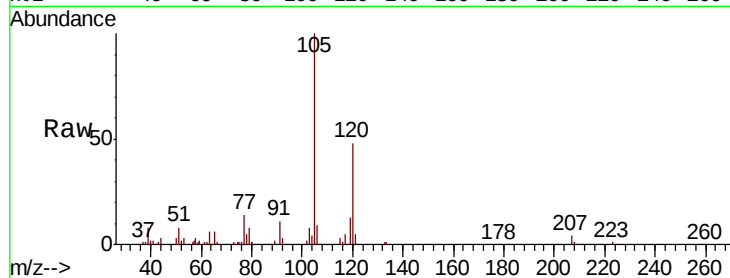
ClientSampled :

Tot Ion:105 Resp: 19994

Ion Ratio Lower Upper

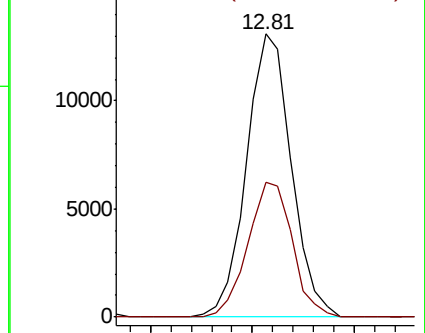
105 100

120 47.1 39.0 58.4

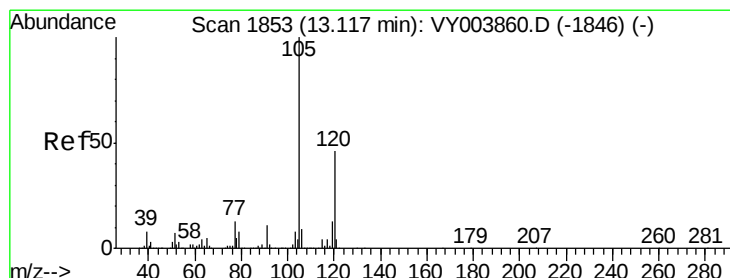
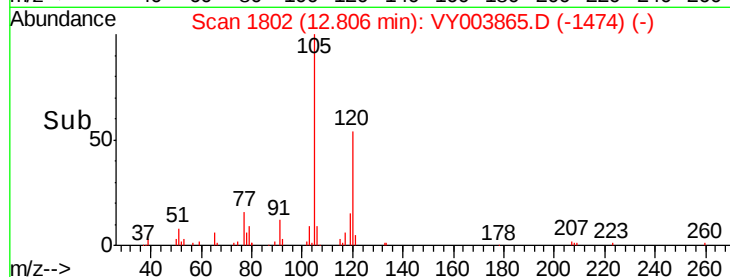


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#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

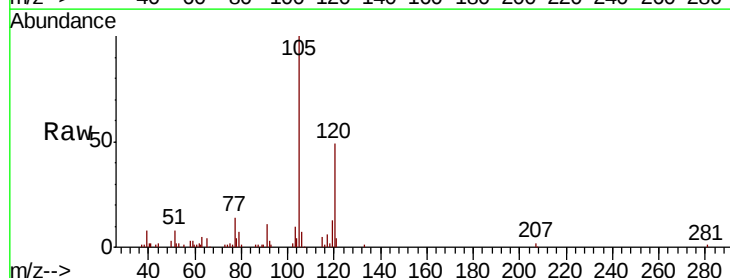
Acq: 30 Dec 2020 14:08

Tgt Ion:105 Resp: 18416

Ion Ratio Lower Upper

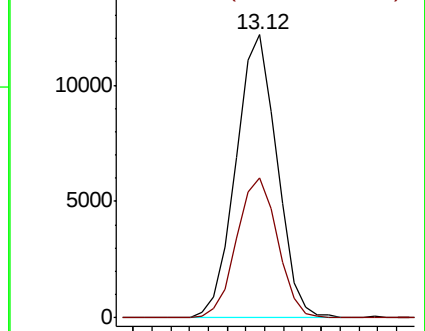
105 100

120 49.1 36.5 54.7

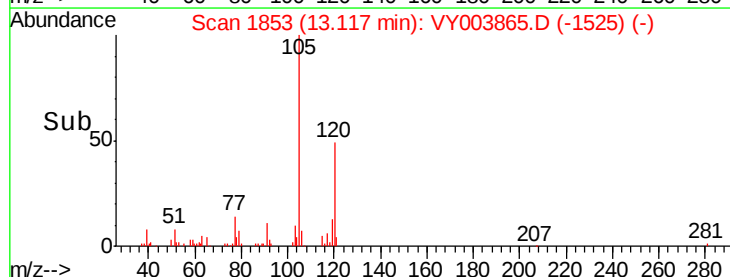


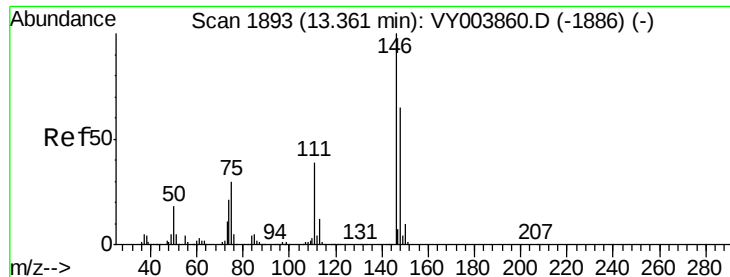
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->

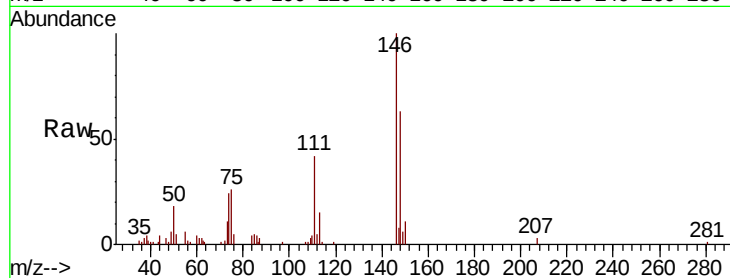




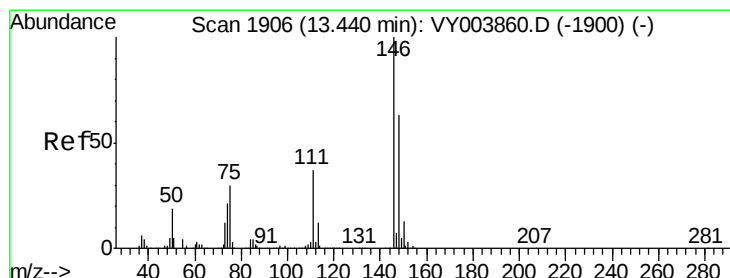
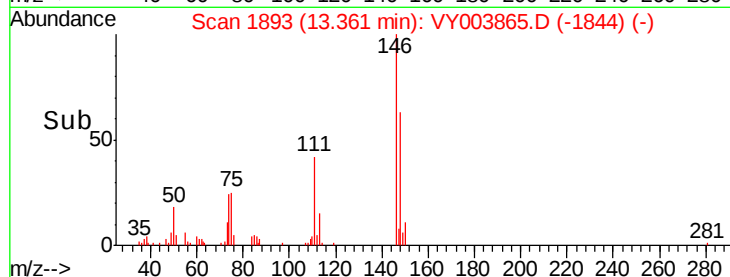
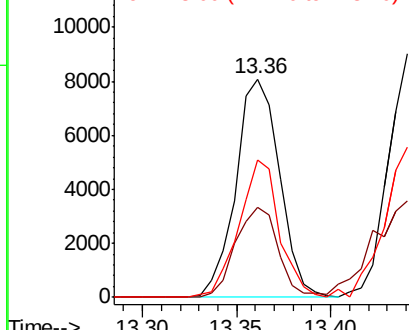
#64
 1,3-Dichlorobenzene
 Concen: 1.190 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	27.7	51.5
148	63.2	45.4	84.4

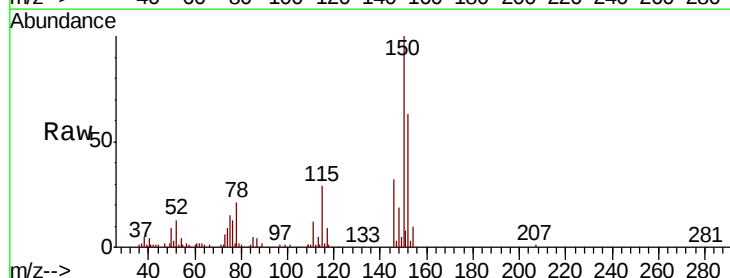


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

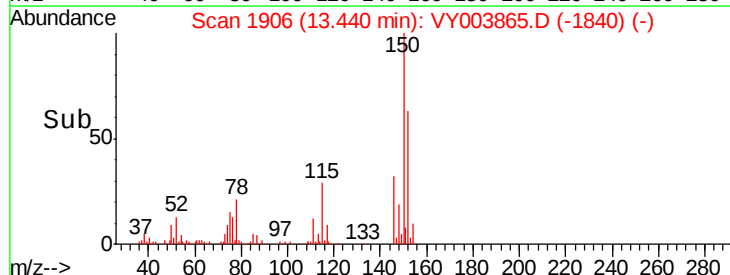
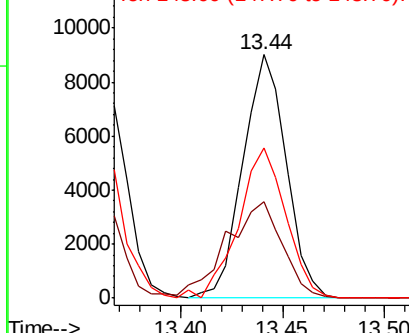


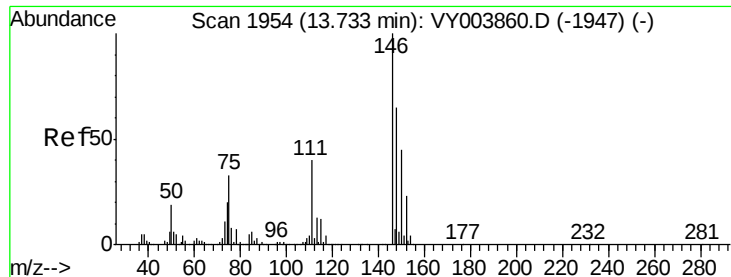
#65
 1,4-Dichlorobenzene
 Concen: 1.205 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	25.7	47.7
148	61.5	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

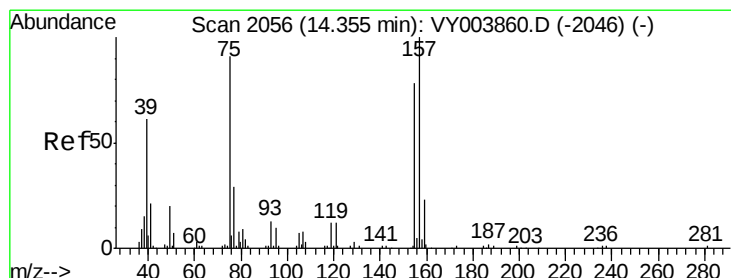
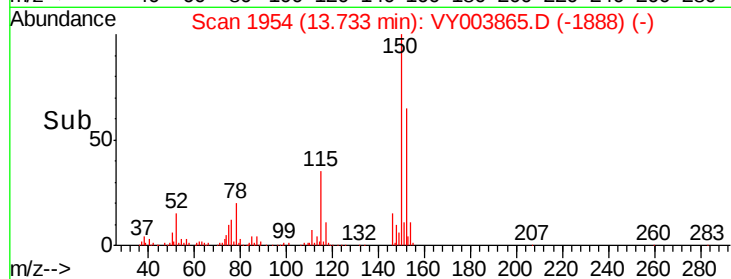
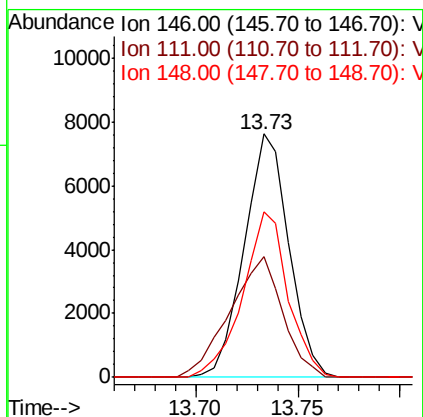
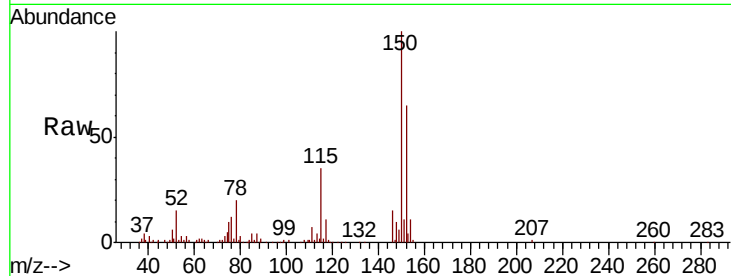




#67
 1,2-Dichlorobenzene
 Concen: 1.137 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

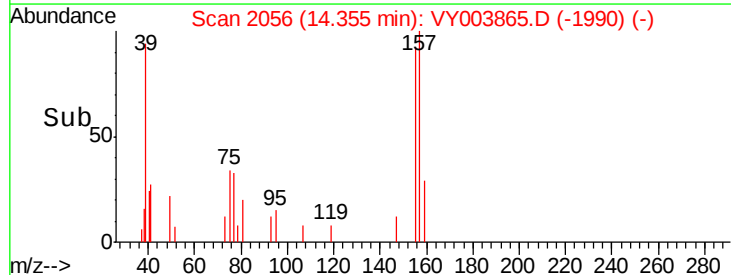
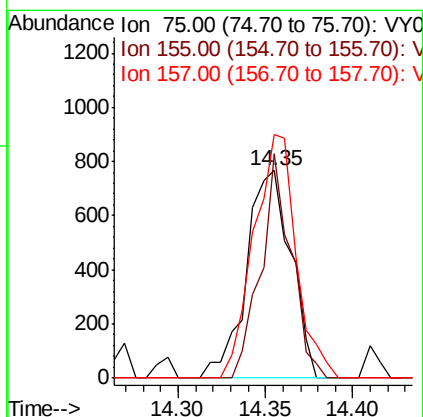
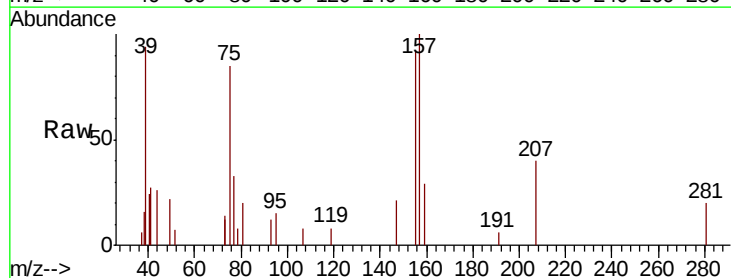
Instrument :
 MSVOA_Y
 ClientSampled :

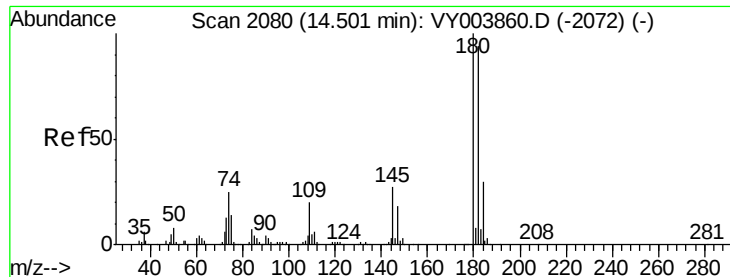
Tot Ion:146 Resp: 11600
 Ion Ratio Lower Upper
 146 100
 111 49.8 31.3 46.9#
 148 67.9 51.0 76.4



#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

Tgt Ion: 75 Resp: 1354
 Ion Ratio Lower Upper
 75 100
 155 108.1 68.2 102.4#
 157 117.4 90.2 135.4

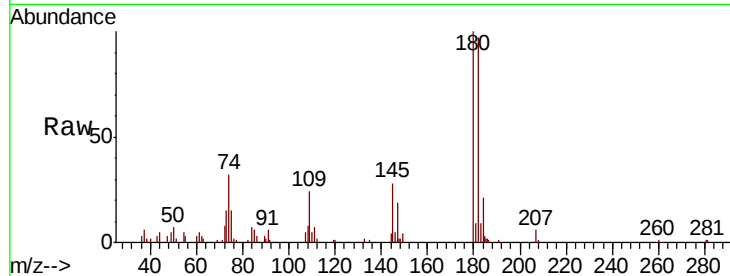




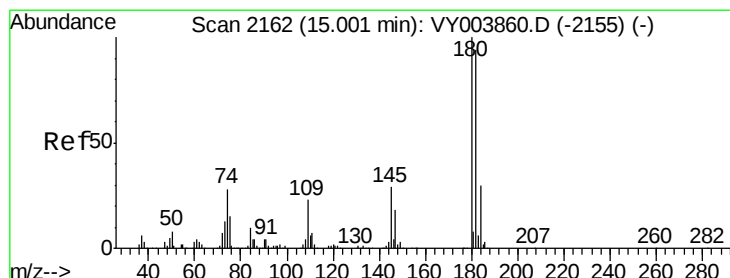
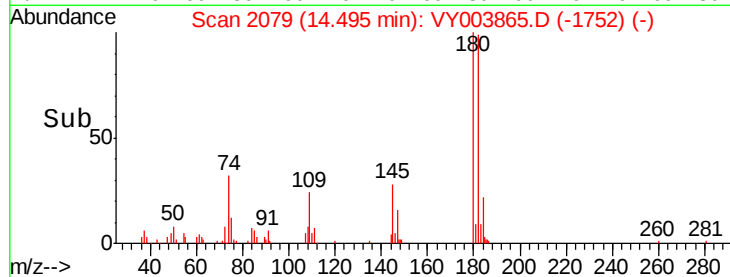
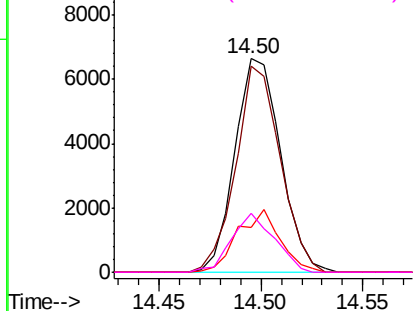
#69
 1,3,5-Trichlorobenzene
 Concen: 1.219 ug/L
 RT: 14.50 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot 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

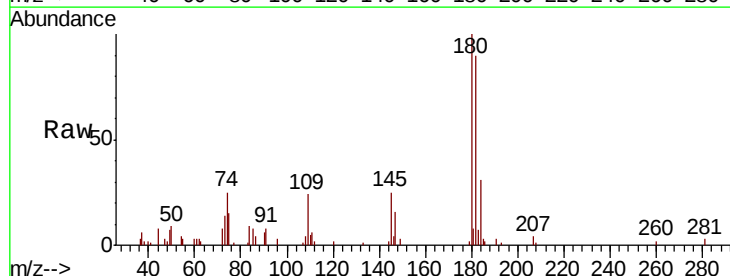


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

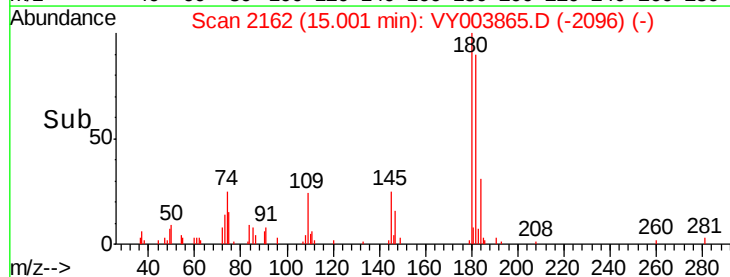
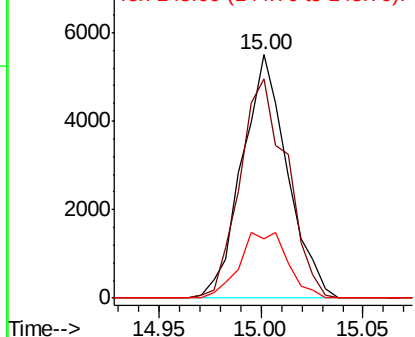


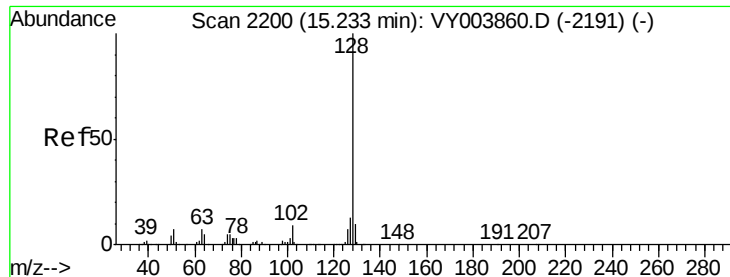
#70
 1,2,4-trichlorobenzene
 Concen: 1.182 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003865.D
 Acq: 30 Dec 2020 14:08

Tgt 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

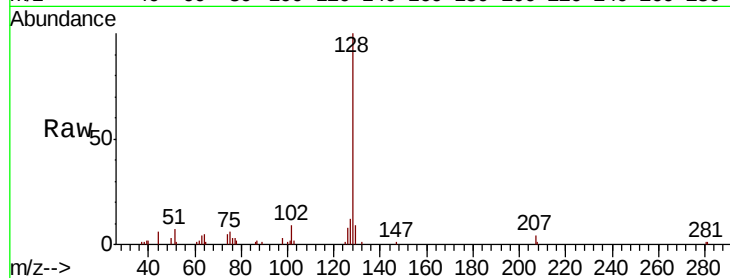




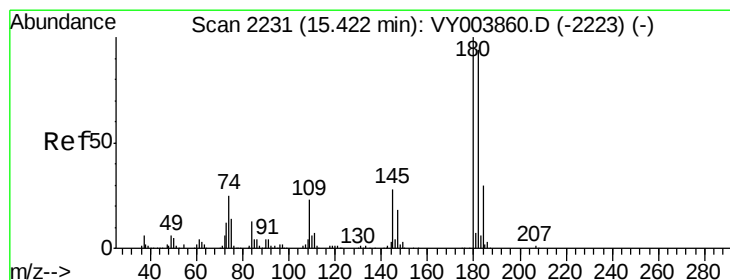
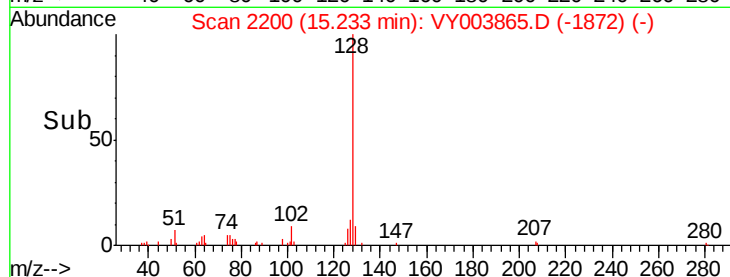
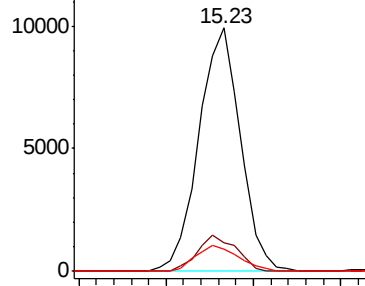
#71
Naphthalene
Concen: 1.089 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003865.D
Acq: 30 Dec 2020 14:08

Instrument :
MSVOA_Y
ClientSampleId :

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

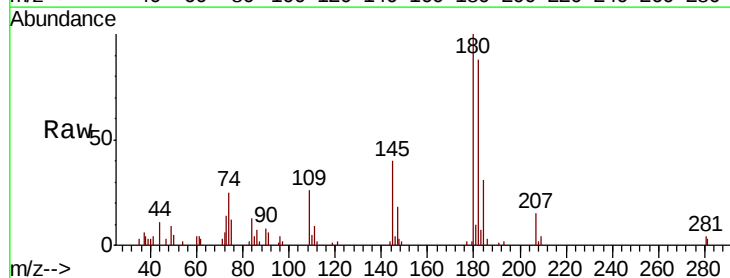


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#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

Tgt 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

