

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120420\
 Data File : VY003660.D
 Acq On : 04 Dec 2020 12:25
 Operator : SY/MD
 Sample : VSTD05081
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05080

Quant Time: Dec 04 12:46:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 12:43:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	247579	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	241150	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	128794	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	176842	58.85	ug/L	0.00
7) Chloroethane-d5	2.77	69	128296	48.56	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	328125	47.77	ug/L	0.00
20) 2-Butanone-d5	6.90	46	119386	89.22	ug/L	0.00
24) Chloroform-d	7.49	84	317138	49.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	179739	50.17	ug/L	0.00
29) Benzene-d6	8.12	84	686446	48.08	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	203987	48.80	ug/L	0.00
37) Toluene-d8	10.18	98	633958	49.57	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	102019	48.94	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	102791	96.31	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	181718	49.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	232879	53.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	142831	87.567 ug/L	99
3) Chloromethane	2.12	50	150805	53.571 ug/L	100
5) Vinyl chloride	2.26	62	159722	49.113 ug/L	97
6) Bromomethane	2.66	94	99605	40.037 ug/L	99
8) Chloroethane	2.80	64	96404	44.093 ug/L	96
9) Trichlorofluoromethane	3.14	101	242479	69.234 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	155330	47.586 ug/L	99
12) 1,1-Dichloroethene	3.88	96	149289	44.577 ug/L	93
13) Acetone	3.96	43	85907	87.930 ug/L	100
14) Carbon disulfide	4.20	76	495157	44.779 ug/L	99
15) Methyl Acetate	4.49	43	113471	45.930 ug/L	99
16) Methylene chloride	4.73	84	169477	40.270 ug/L	97
17) Methyl tert-butyl Ether	5.23	73	432882	72.251 ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	163429	45.983 ug/L	99
19) 1,1-Dichloroethane	6.03	63	275146	46.027 ug/L	98
21) 2-Butanone	7.00	43	148134	90.212 ug/L	97
22) cis-1,2-Dichloroethene	7.00	96	179686	48.947 ug/L	94
23) Bromochloromethane	7.35	128	86739	48.562 ug/L	98
25) Chloroform	7.51	83	282096	47.178 ug/L	99
27) 1,2-Dichloroethane	8.25	62	191964	47.429 ug/L	100
30) Cyclohexane	7.79	56	266660	46.634 ug/L	100
31) 1,1,1-Trichloroethane	7.71	97	248017	47.546 ug/L	100
32) Carbon tetrachloride	7.91	117	224827	45.779 ug/L	99
34) Benzene	8.17	78	669795	44.907 ug/L	100
35) Trichloroethene	8.94	95	185139	48.284 ug/L	97
36) Methylcyclohexane	9.18	83	292918	48.762 ug/L	99
40) 1,2-Dichloropropane	9.22	63	168859	45.736 ug/L	100
41) Bromodichloromethane	9.50	83	216974	46.177 ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	276569	47.611 ug/L	97
43) 4-Methyl-2-pentanone	10.08	43	321822	102.025 ug/L	99

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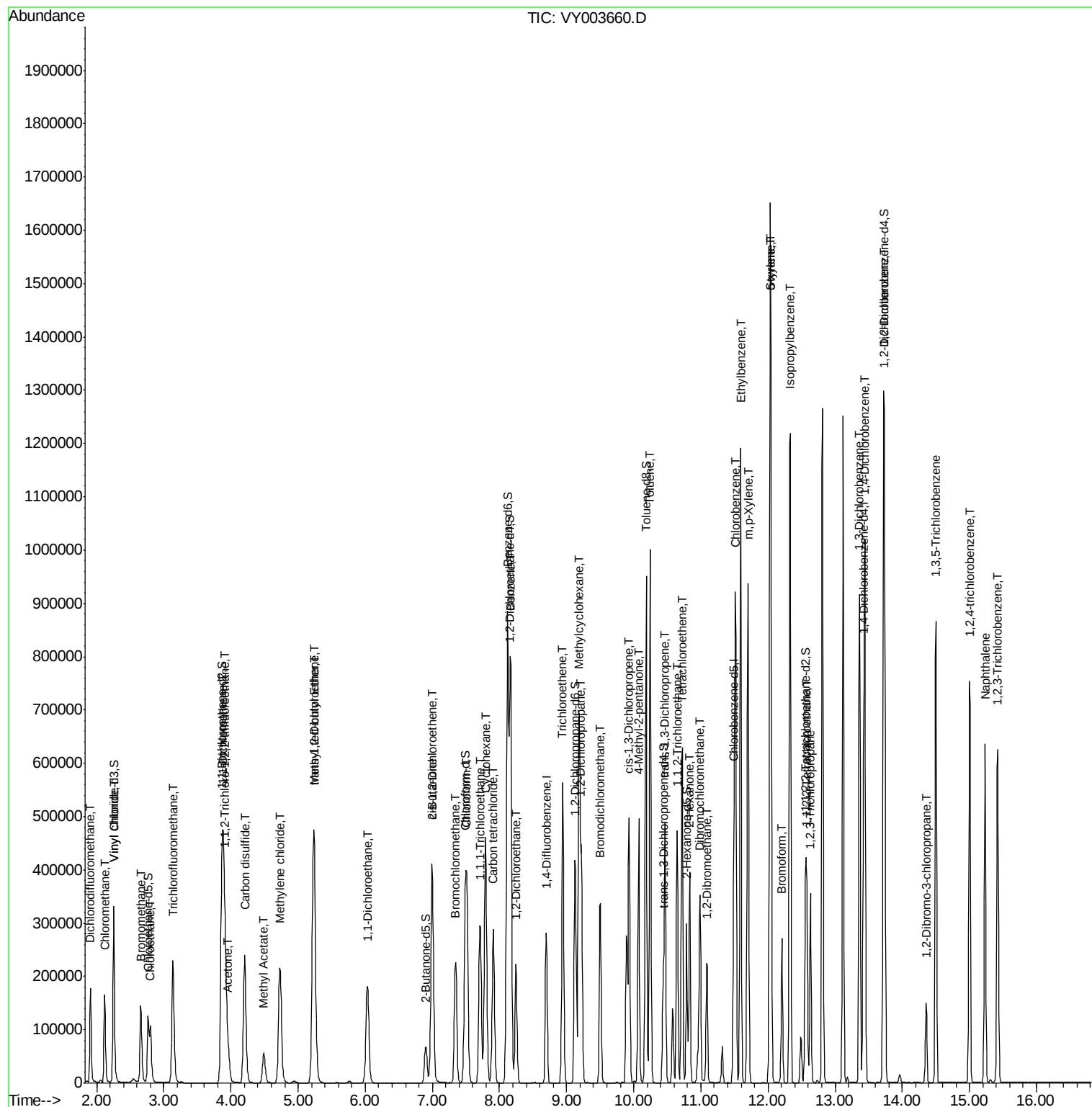
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.25	91	726876	46.161	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	251534	46.782	ug/L	98
46) 1,1,2-Trichloroethane	10.65	97	145873	48.819	ug/L	98
47) Tetrachloroethene	10.72	164	144662	44.523	ug/L	97
49) 2-Hexanone	10.83	43	236574	96.898	ug/L	99
50) Dibromochloromethane	10.98	129	172949	48.135	ug/L	99
51) 1,2-Dibromoethane	11.09	107	141906	47.842	ug/L	97
52) Chlorobenzene	11.51	112	469684	46.510	ug/L	99
53) Ethylbenzene	11.59	91	795454	48.891	ug/L	97
54) m,p-Xylene	11.70	106	310064	49.241	ug/L	96
55) o-xylene	12.03	106	298267	55.433	ug/L	100
56) Styrene	12.04	104	517067	50.249	ug/L	97
57) Isopropylbenzene	12.33	105	790795	62.655	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	159277	45.902	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	141849	50.993	ug/L	100
62) Bromoform	12.21	173	119282	46.274	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	374545	46.764	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	379802	45.902	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	350531	51.732	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	33107	55.868	ug/L	98
67) 1,3,5-Trichlorobenzene	14.50	180	268423	59.181	ug/L	100
68) 1,2,4-trichlorobenzene	15.00	180	234043	60.147	ug/L	99
69) Naphthalene	15.23	128	514468	71.157	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	211191	68.014	ug/L	99

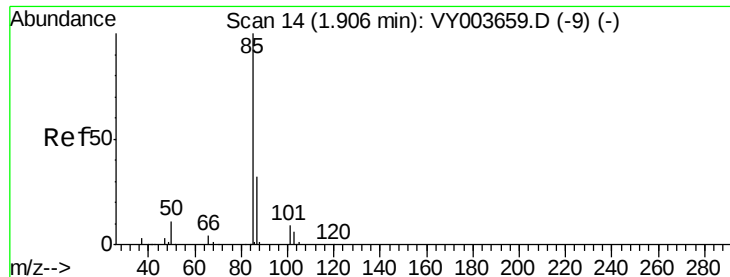
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 87.567 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

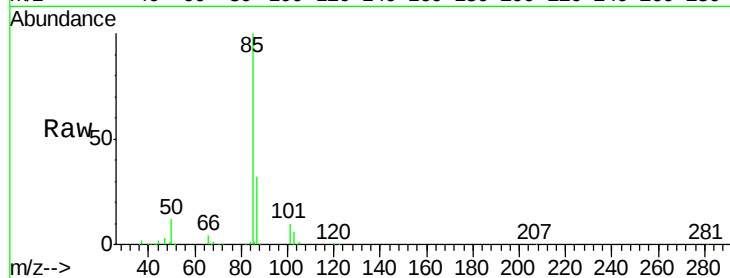
VSTD05080

Tgt Ion: 85 Resp: 142831

Ion Ratio Lower Upper

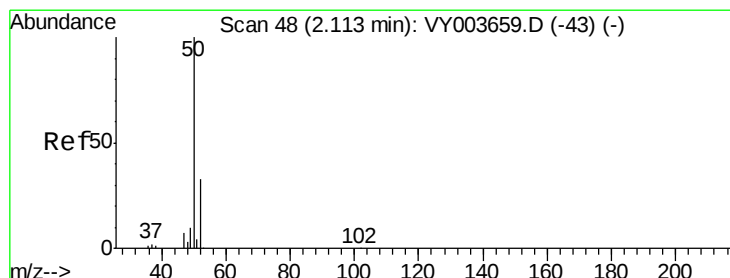
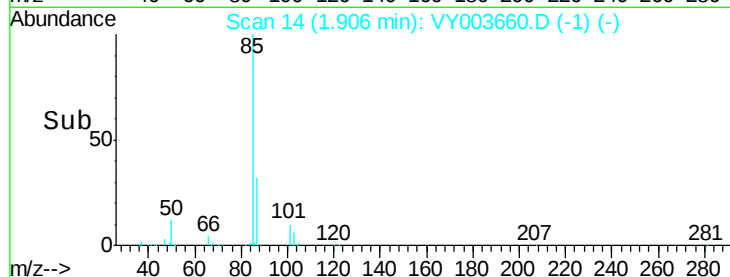
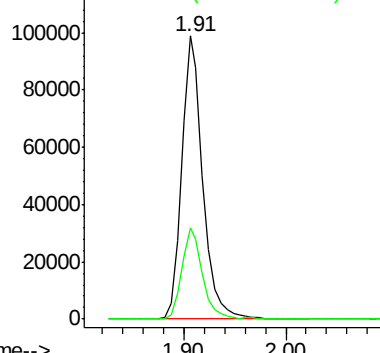
85 100

87 31.6 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 53.571 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003660.D

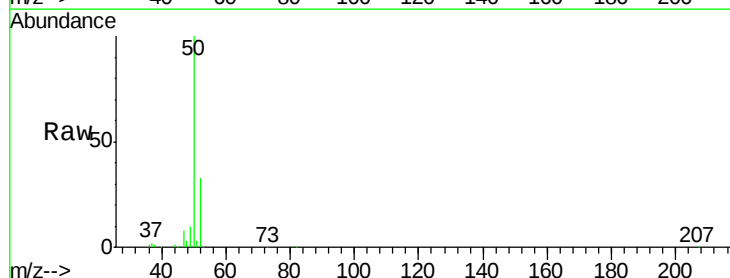
Acq: 04 Dec 2020 12:25

Tgt Ion: 50 Resp: 150805

Ion Ratio Lower Upper

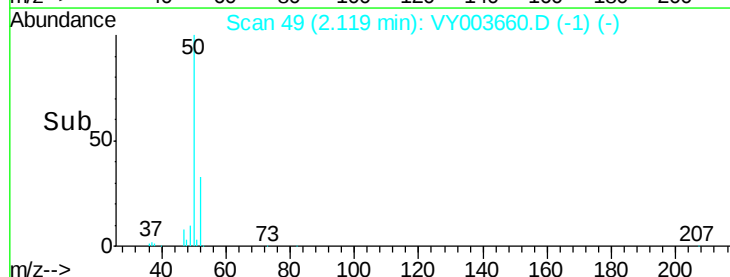
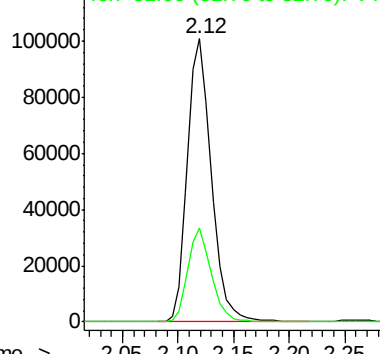
50 100

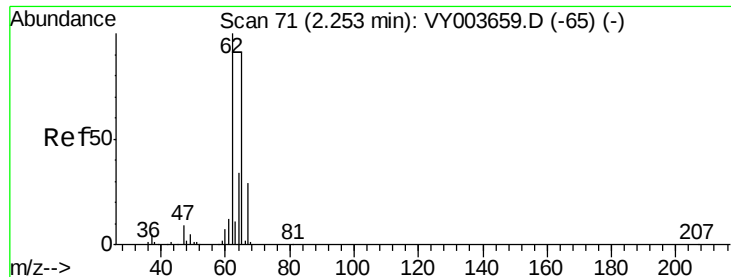
52 33.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 49.113 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

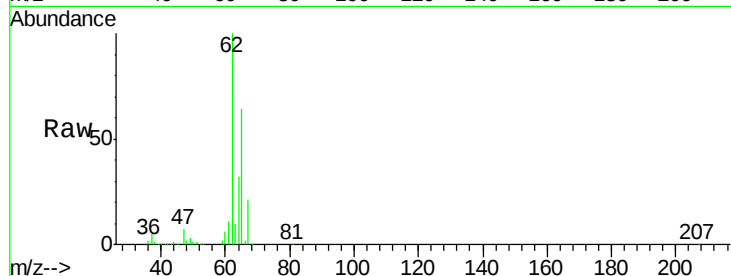
VSTD05080

Tgt Ion: 62 Resp: 159722

Ion Ratio Lower Upper

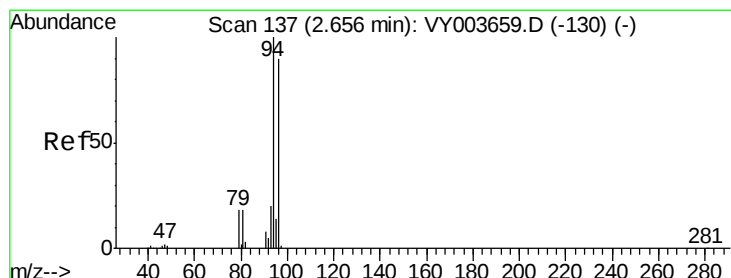
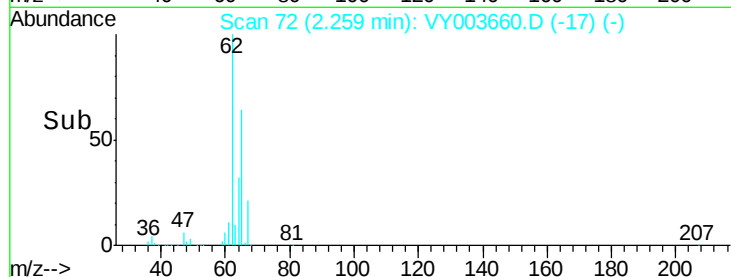
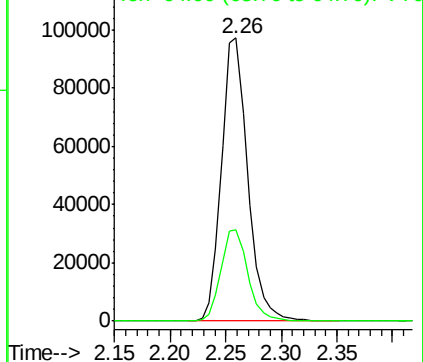
62 100

64 32.3 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 40.037 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.00 min

Lab File: VY003660.D

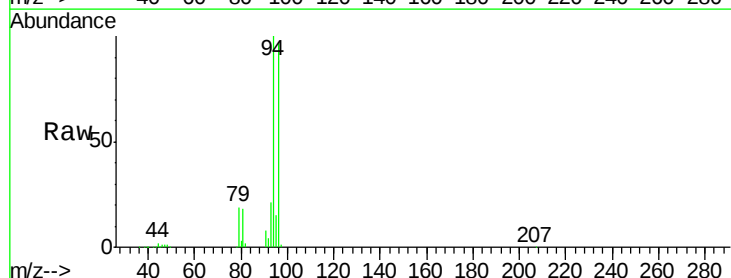
Acq: 04 Dec 2020 12:25

Tgt Ion: 94 Resp: 99605

Ion Ratio Lower Upper

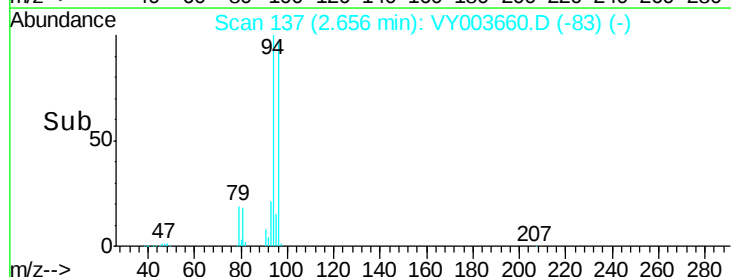
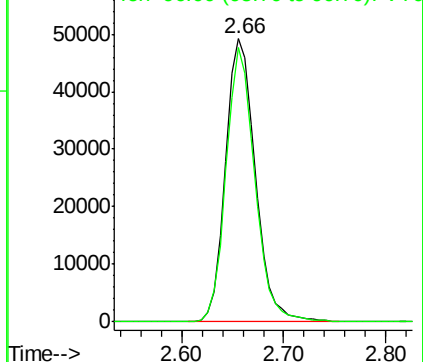
94 100

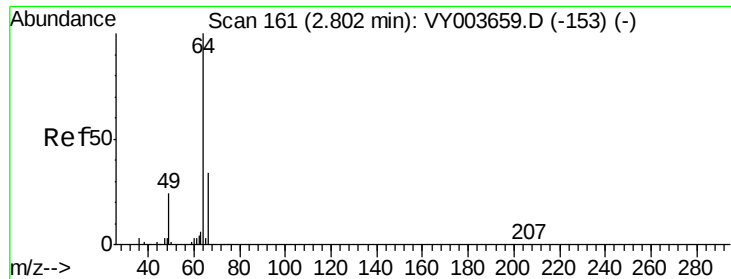
96 93.3 9.2 174.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 44.093 ug/L

RT: 2.80 min Scan# 161

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

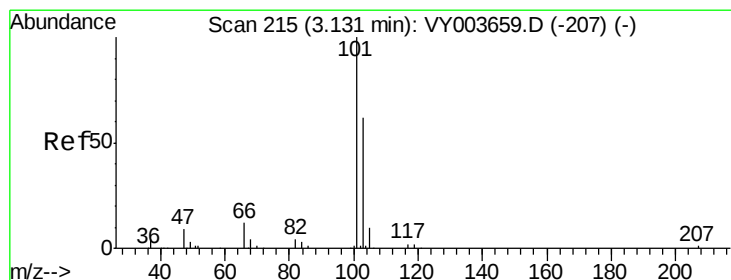
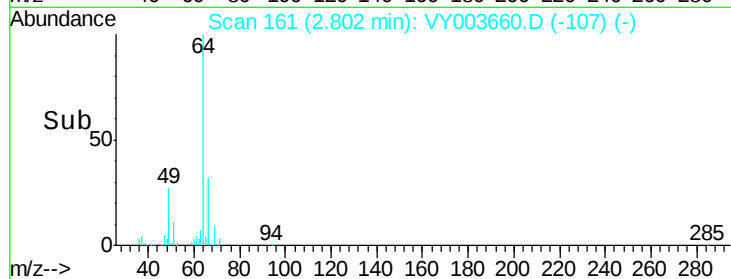
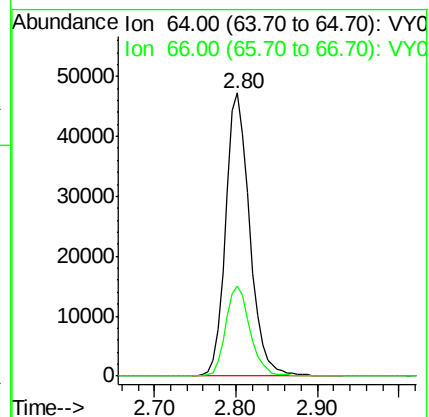
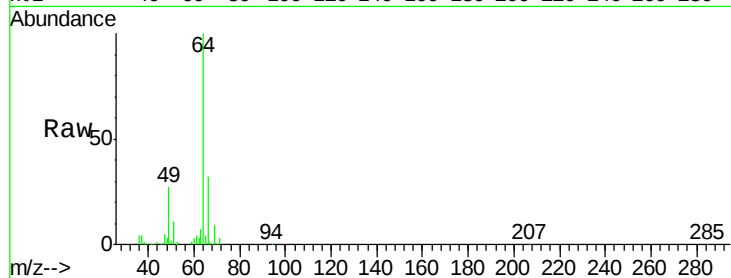
VSTD05080

Tgt Ion: 64 Resp: 96404

Ion Ratio Lower Upper

64 100

66 31.9 23.8 44.2



#9

Trichlorofluoromethane

Concen: 69.234 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.01 min

Lab File: VY003660.D

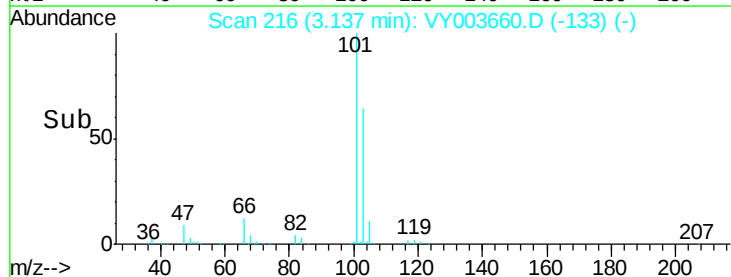
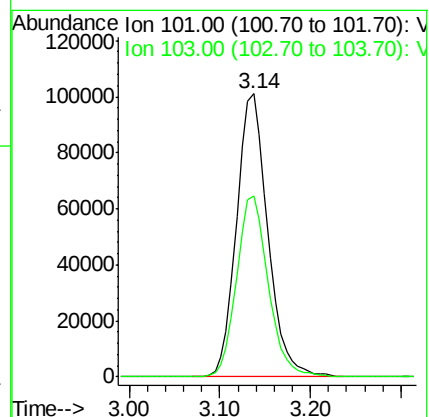
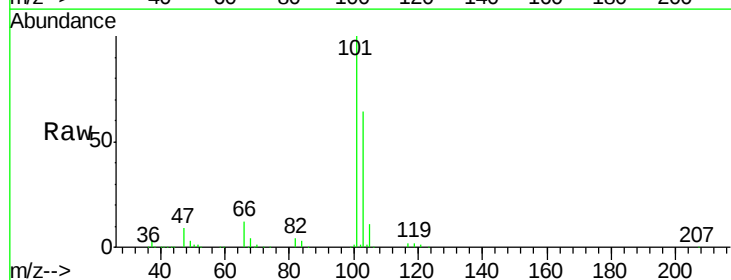
Acq: 04 Dec 2020 12:25

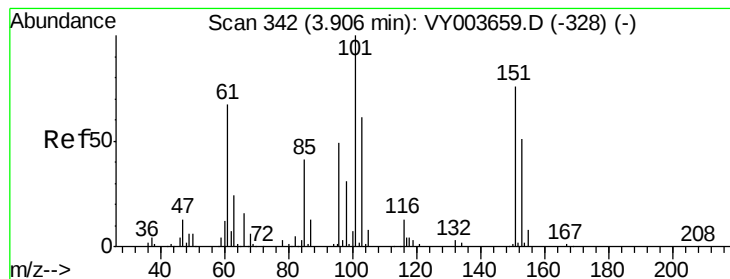
Tgt Ion: 101 Resp: 242479

Ion Ratio Lower Upper

101 100

103 64.6 45.1 83.7





#11

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

Concen: 47.586 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05080

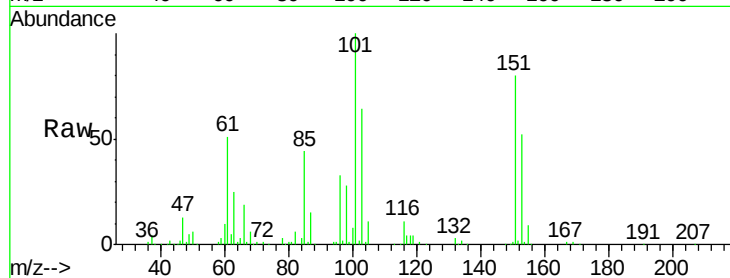
Tgt Ion:101 Resp: 155330

Ion Ratio Lower Upper

101 100

85 43.0 33.9 50.9

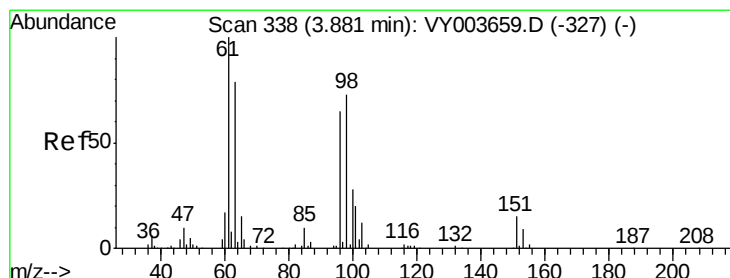
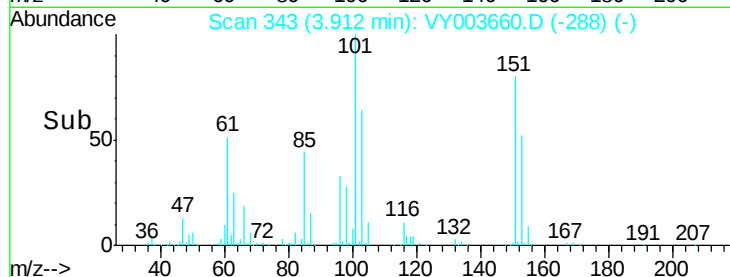
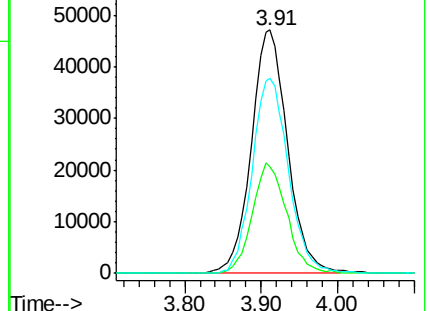
151 80.3 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VY003659.D (-328) (-)

Ion 85.00 (84.70 to 85.70): VY003659.D (-328) (-)

Ion 151.00 (150.70 to 151.70): VY003659.D (-328) (-)



#12

1,1-Dichloroethene

Concen: 44.577 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

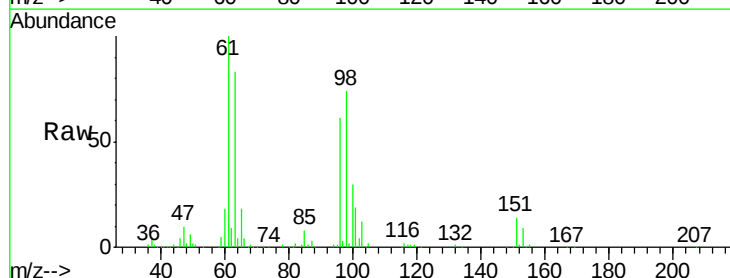
Tgt Ion: 96 Resp: 149289

Ion Ratio Lower Upper

96 100

61 162.8 108.5 201.5

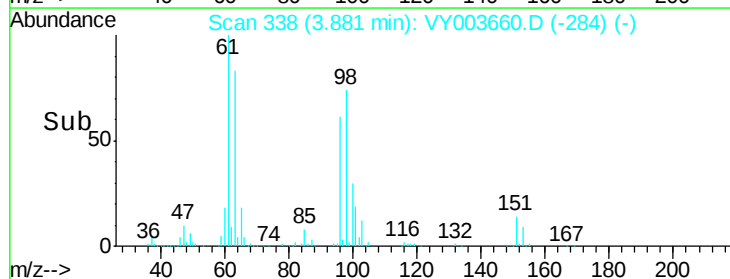
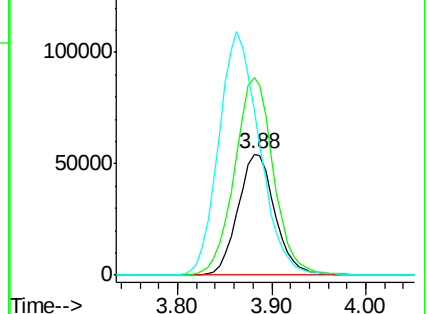
63 135.9 87.8 163.0

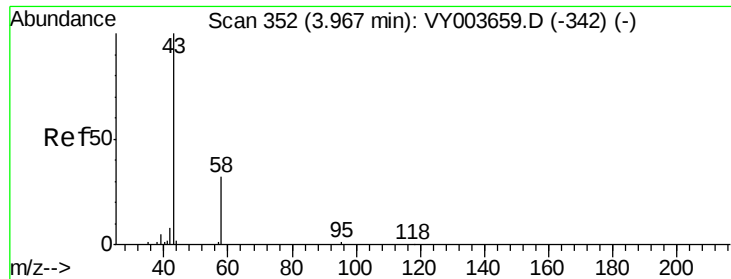


Abundance Ion 96.00 (95.70 to 96.70): VY003659.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VY003659.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VY003659.D (-327) (-)

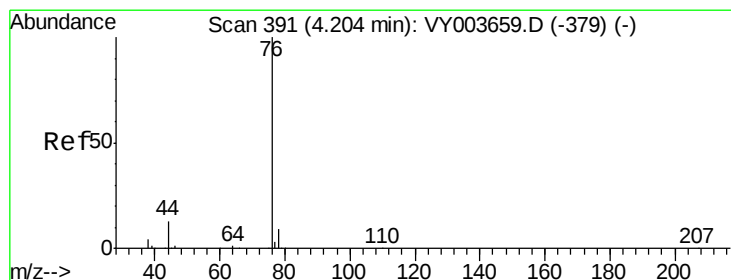
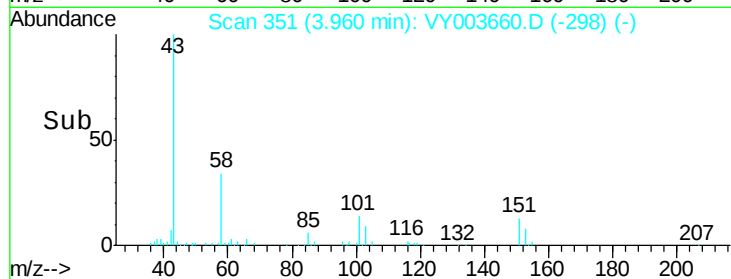
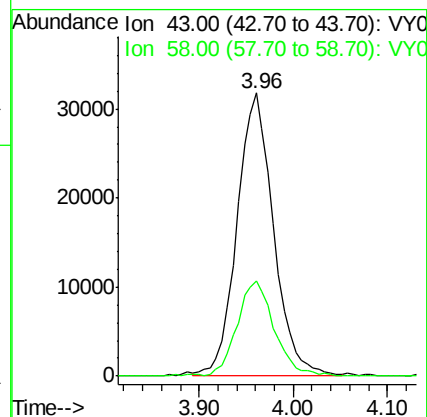
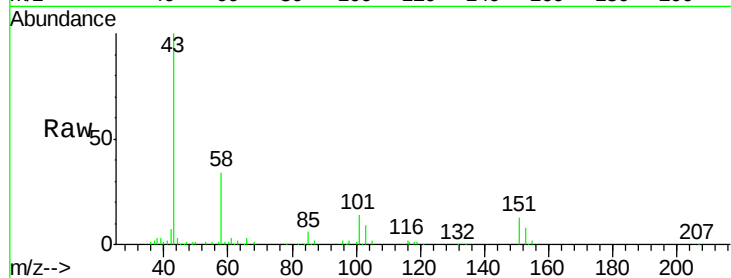




#13
Acetone
Concen: 87.930 ug/L
RT: 3.96 min Scan# 351
Delta R.T. -0.01 min
Lab File: VY003660.D
Acq: 04 Dec 2020 12:25

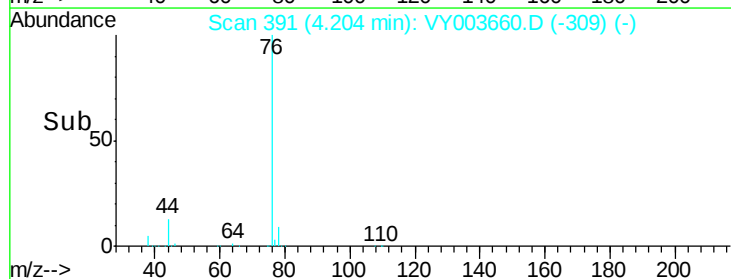
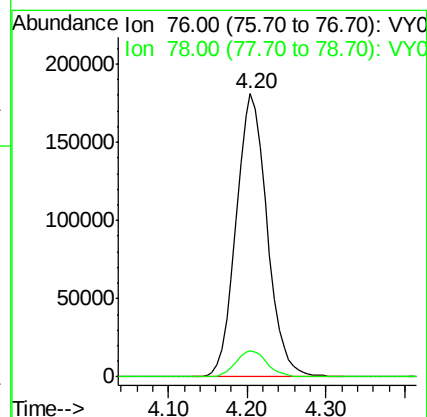
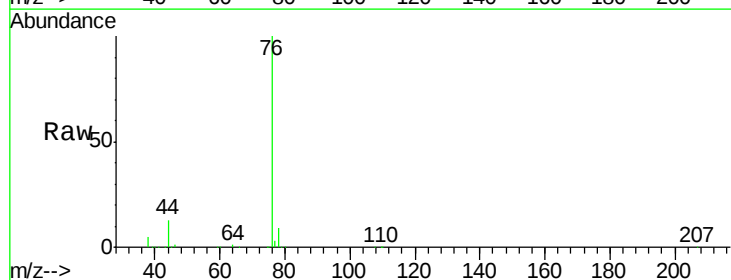
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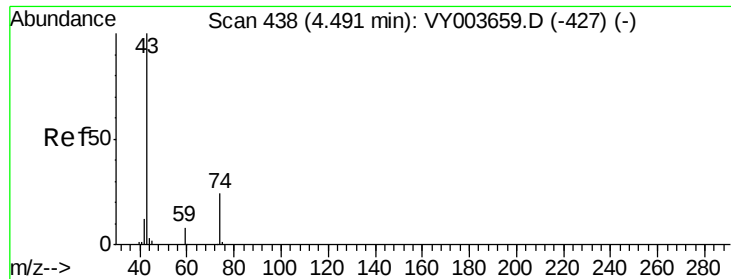
Tgt Ion: 43 Resp: 85907
Ion Ratio Lower Upper
43 100
58 34.3 0.0 68.8



#14
Carbon disulfide
Concen: 44.779 ug/L
RT: 4.20 min Scan# 391
Delta R.T. -0.00 min
Lab File: VY003660.D
Acq: 04 Dec 2020 12:25

Tgt Ion: 76 Resp: 495157
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

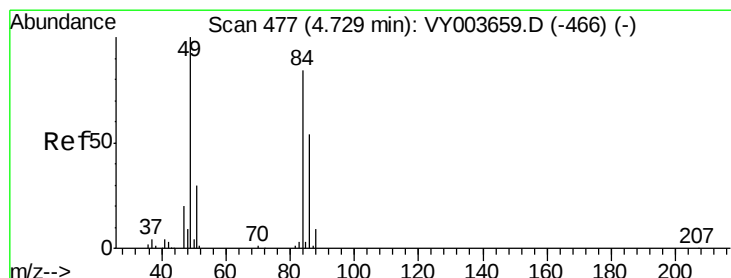
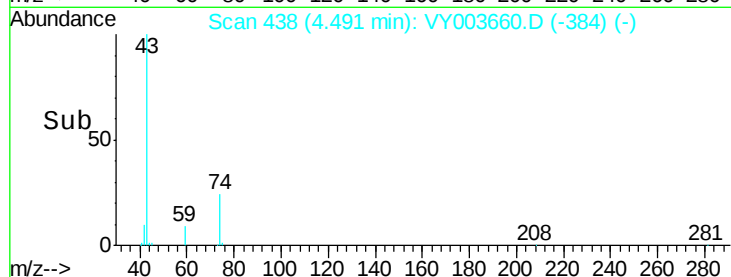
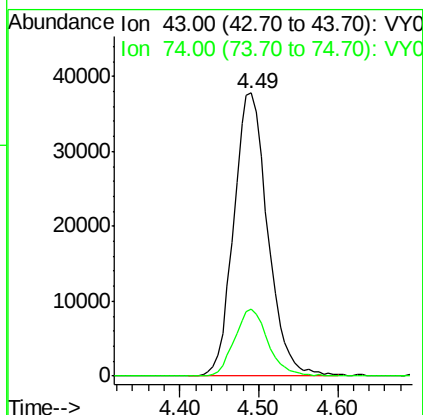
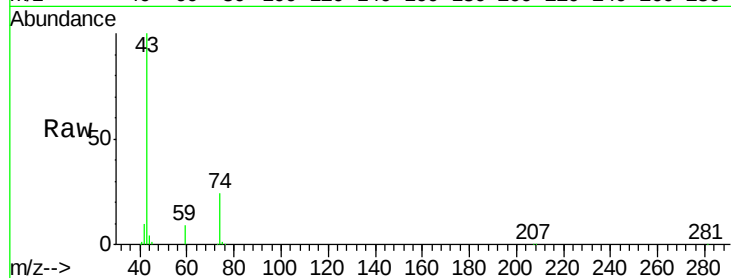




#15
Methyl Acetate
Concen: 45.930 ug/L
RT: 4.49 min Scan# 438
Delta R.T. -0.00 min
Lab File: VY003660.D
Acq: 04 Dec 2020 12:25

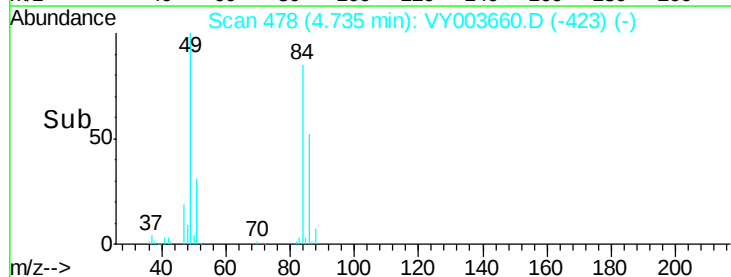
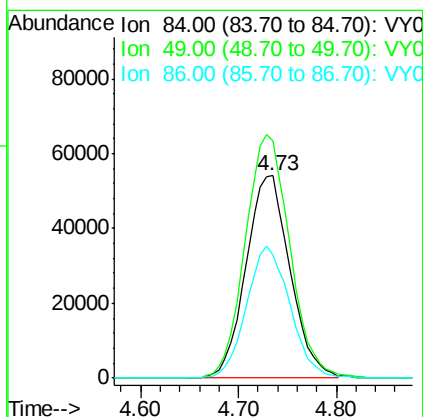
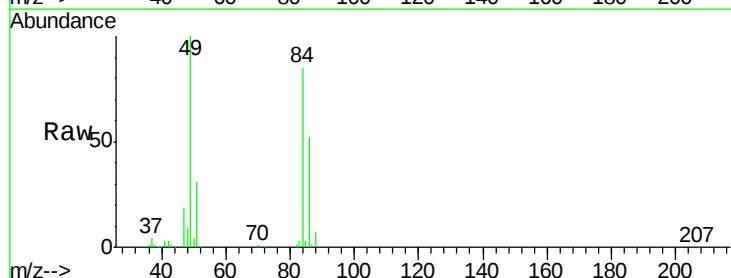
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05080

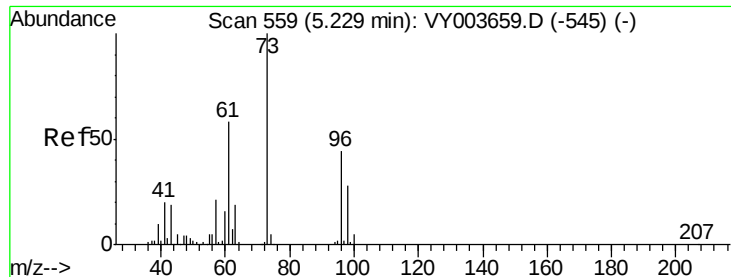
Tgt Ion: 43 Resp: 113471
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8



#16
Methylene chloride
Concen: 40.270 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VY003660.D
Acq: 04 Dec 2020 12:25

Tgt Ion: 84 Resp: 169477
Ion Ratio Lower Upper
84 100
49 117.2 83.7 155.4
86 61.2 45.0 83.6

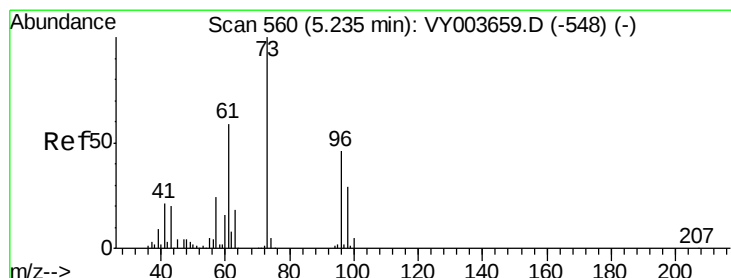
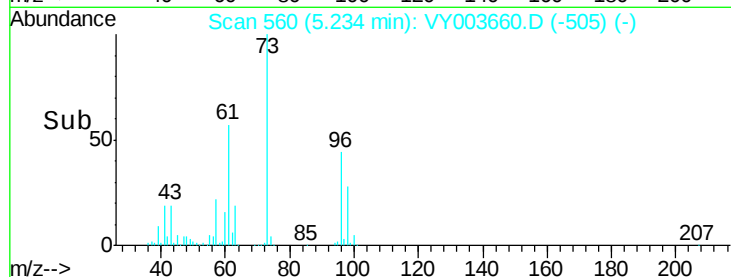
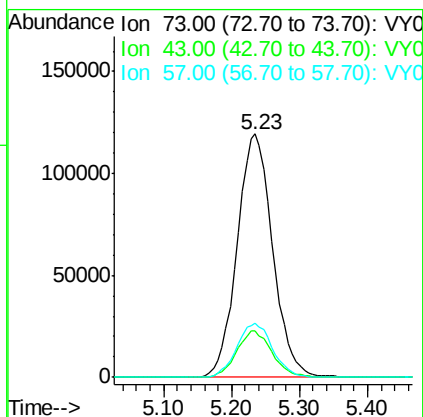
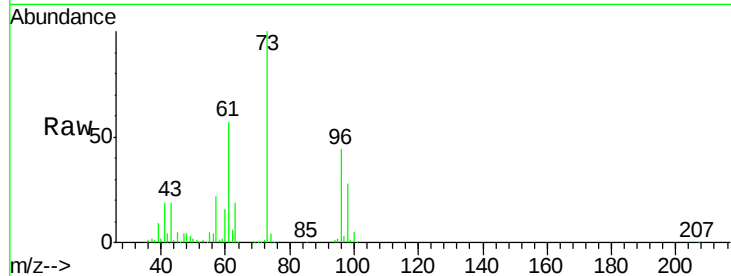




#17
Methyl tert-butyl Ether
Concen: 72.251 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.01 min
Lab File: VY003660.D
Acq: 04 Dec 2020 12:25

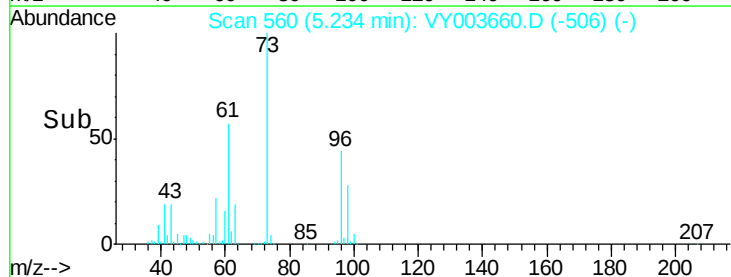
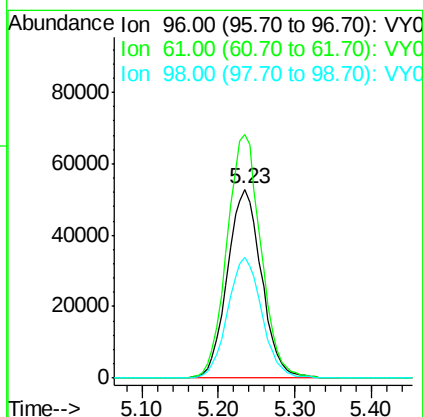
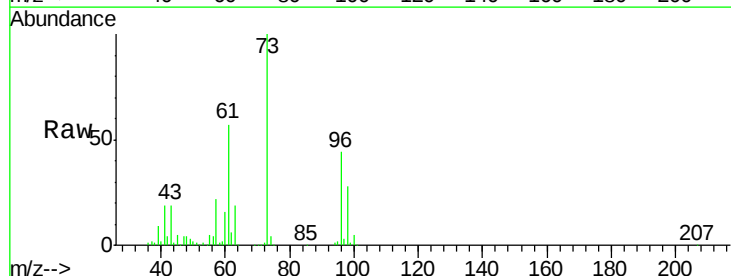
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05080

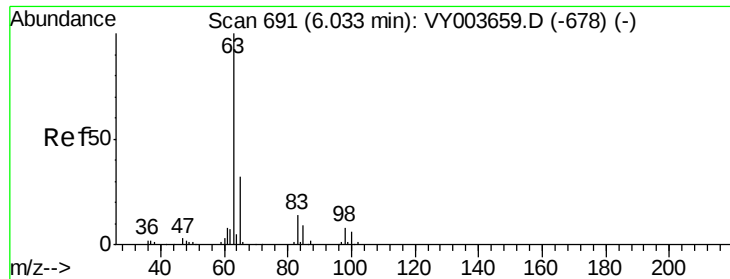
Tgt Ion: 73 Resp: 432882
Ion Ratio Lower Upper
73 100
43 19.0 14.9 22.3
57 22.6 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 45.983 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003660.D
Acq: 04 Dec 2020 12:25

Tgt Ion: 96 Resp: 163429
Ion Ratio Lower Upper
96 100
61 129.0 90.8 168.6
98 63.8 44.2 82.0

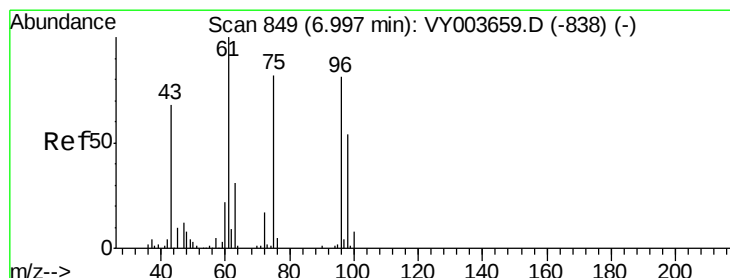
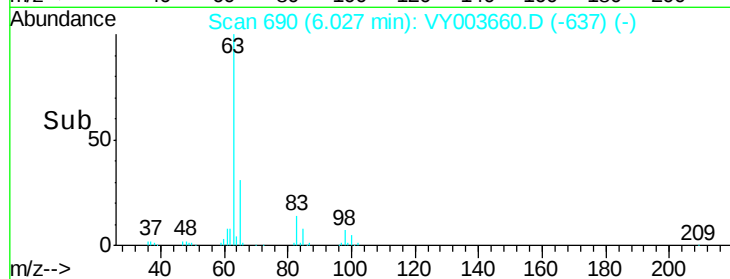
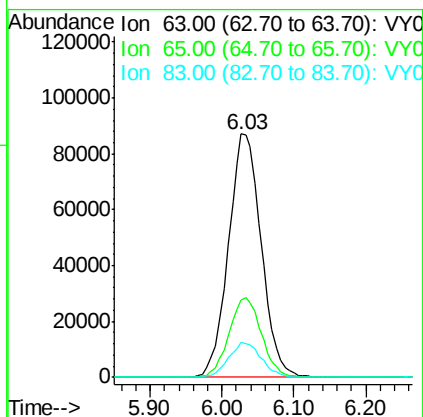
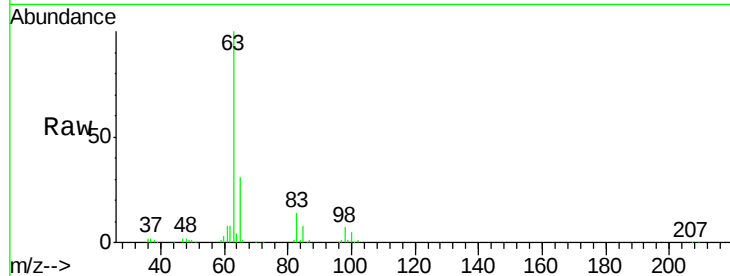




#19
 1,1-Dichloroethane
 Concen: 46.027 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

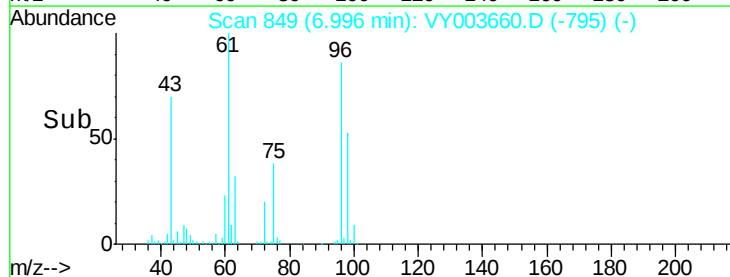
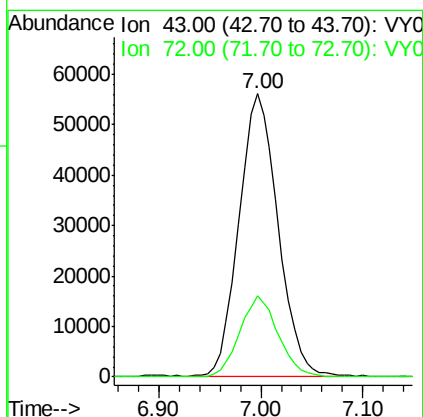
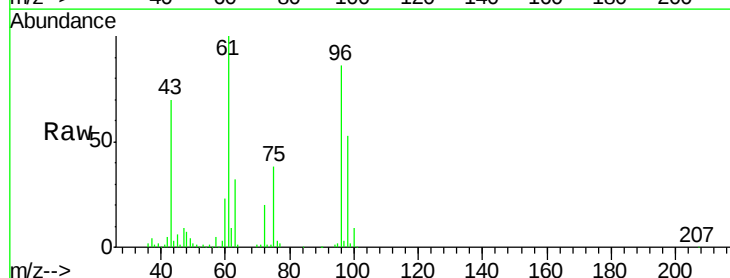
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05080

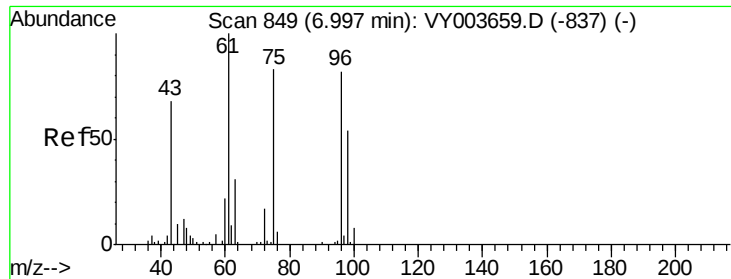
Tgt Ion: 63 Resp: 275146
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.7 42.1
 83 14.3 9.7 17.9



#21
 2-Butanone
 Concen: 90.212 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

Tgt Ion: 43 Resp: 148134
 Ion Ratio Lower Upper
 43 100
 72 28.1 13.3 39.9



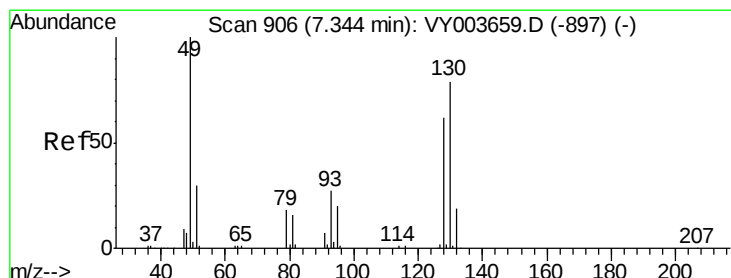
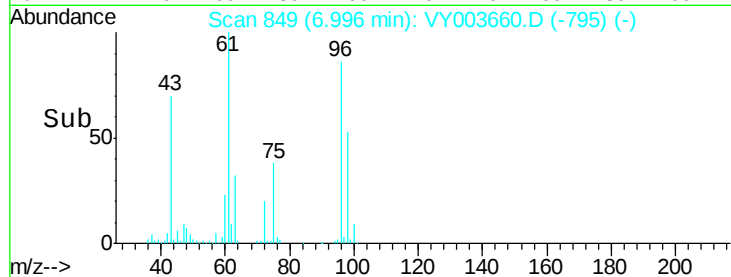
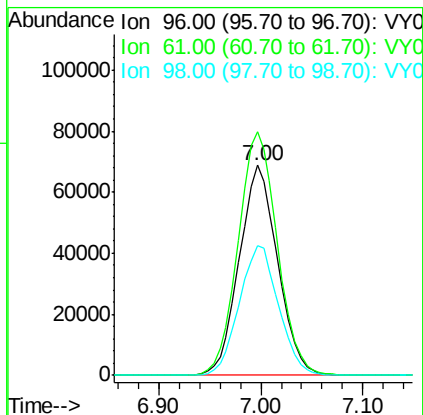
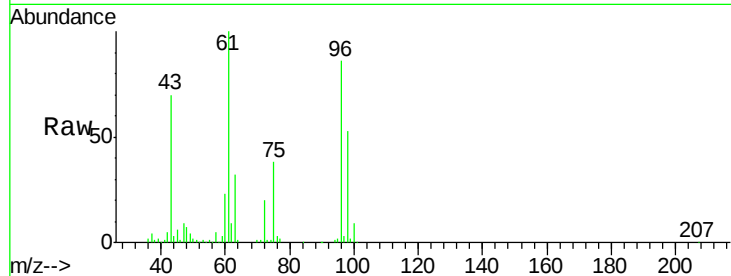


#22

cis-1,2-Dichloroethene
 Concen: 48.947 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD05080

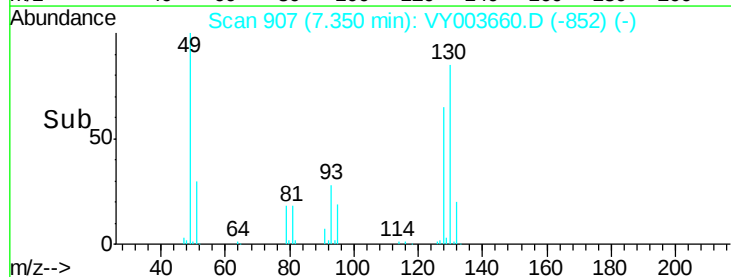
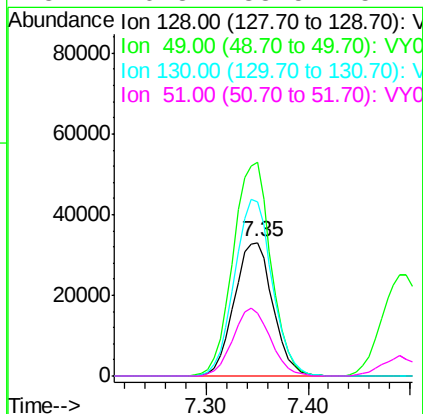
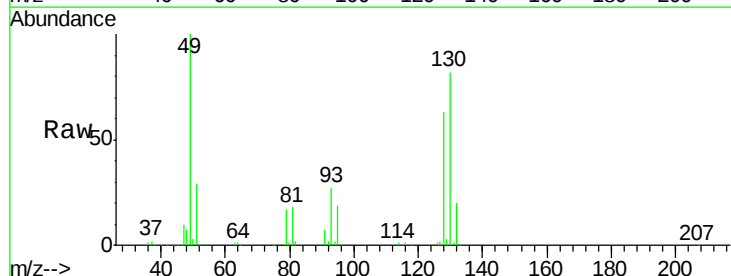
Tgt Ion: 96 Resp: 179686
 Ion Ratio Lower Upper
 96 100
 61 116.0 85.8 159.4
 98 61.7 46.5 86.3

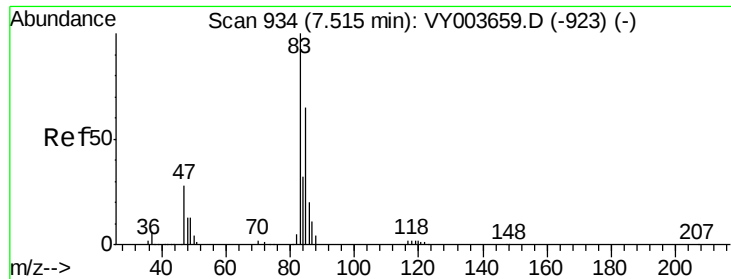


#23

Bromochloromethane
 Concen: 48.562 ug/L
 RT: 7.35 min Scan# 907
 Delta R.T. 0.01 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

Tgt Ion: 128 Resp: 86739
 Ion Ratio Lower Upper
 128 100
 49 159.9 113.8 211.3
 130 130.8 89.7 166.5
 51 46.8 38.5 57.7





#25

Chloroform

Concen: 47.178 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

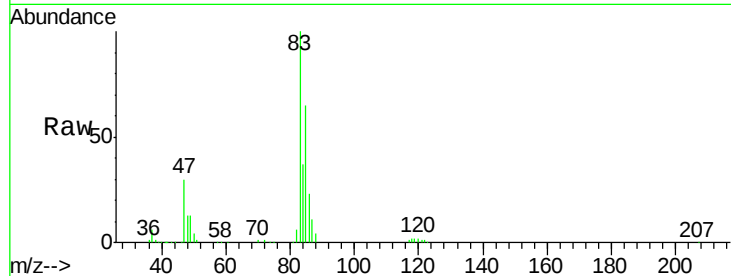
VSTD05080

Tgt Ion: 83 Resp: 282096

Ion Ratio Lower Upper

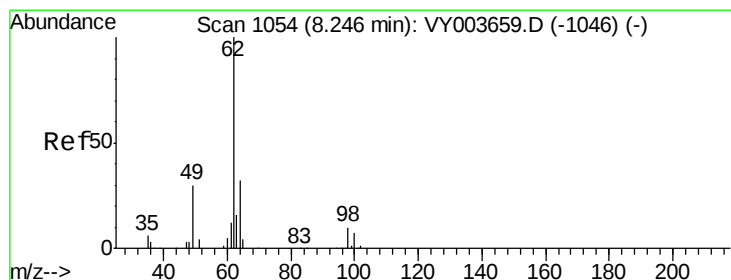
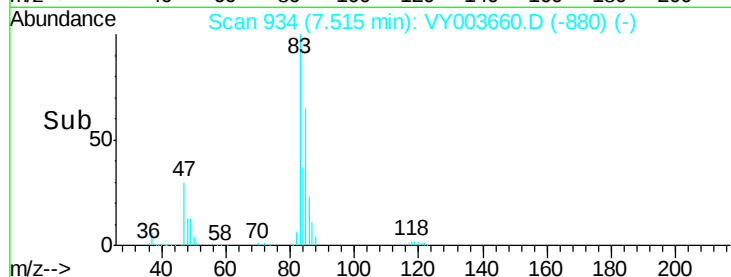
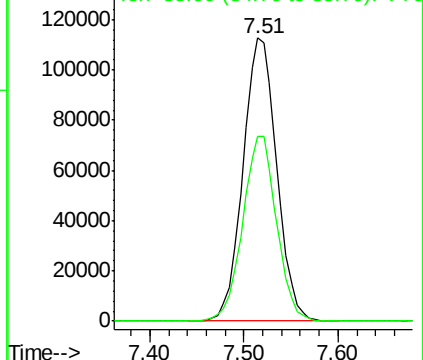
83 100

85 65.6 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 47.429 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003660.D

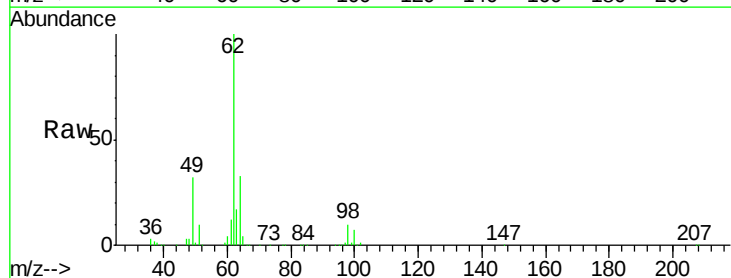
Acq: 04 Dec 2020 12:25

Tgt Ion: 62 Resp: 191964

Ion Ratio Lower Upper

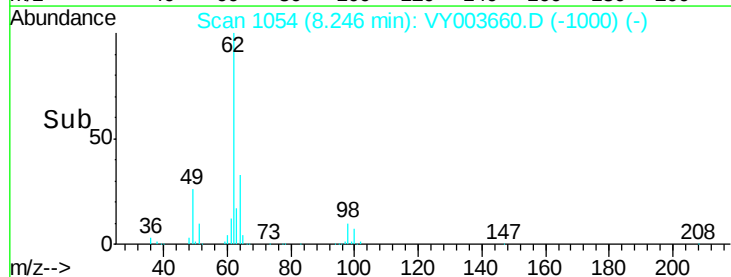
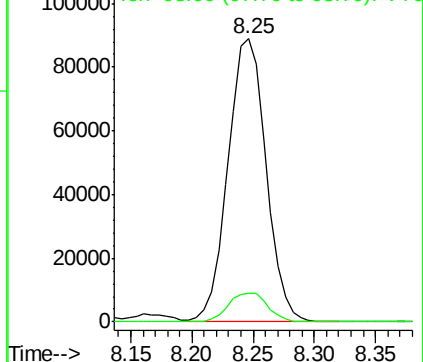
62 100

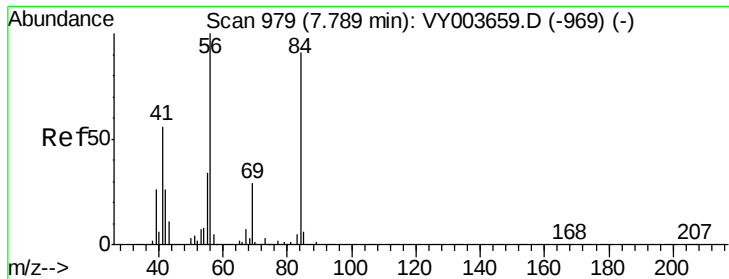
98 10.0 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

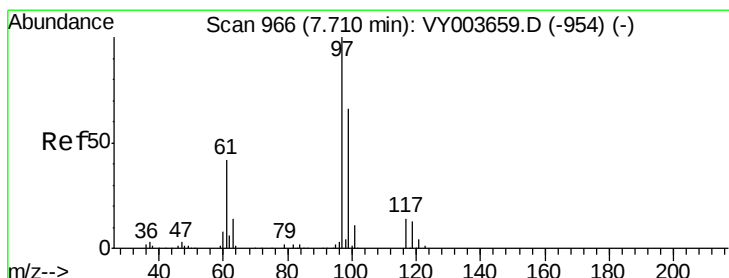
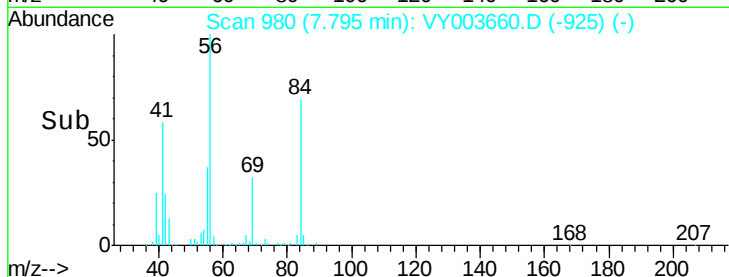
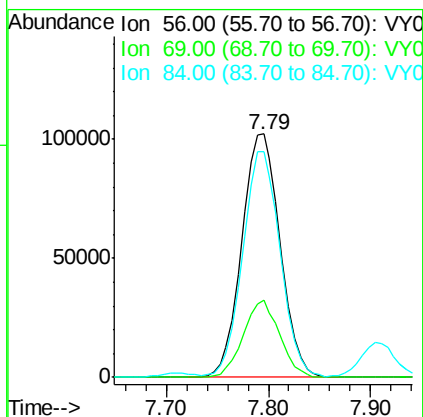
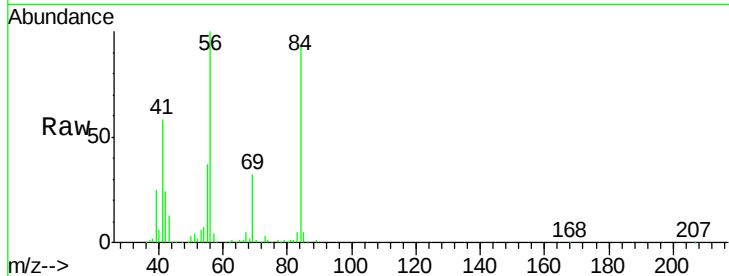




#30
Cyclohexane
Concen: 46.634 ug/L
RT: 7.79 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY003660.D
Acq: 04 Dec 2020 12:25

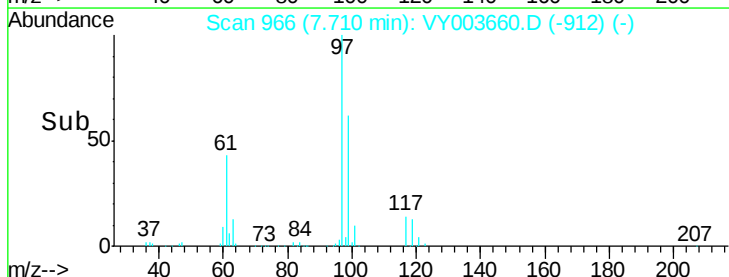
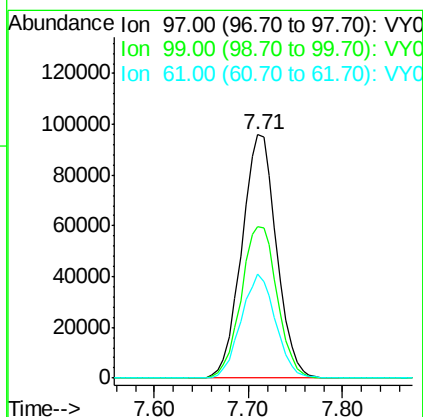
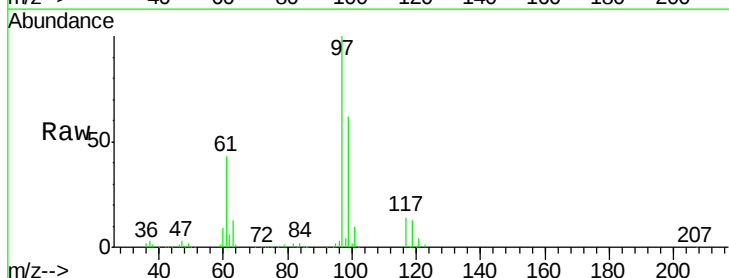
Instrument :
MSVOA_Y
ClientSampled :
VSTD05080

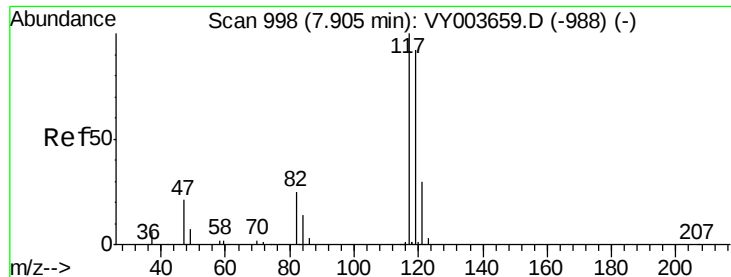
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	91.2	73.2	109.8



#31
1,1,1-Trichloroethane
Concen: 47.546 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.00 min
Lab File: VY003660.D
Acq: 04 Dec 2020 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	42.3	34.0	51.0





#32

Carbon tetrachloride

Concen: 45.779 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

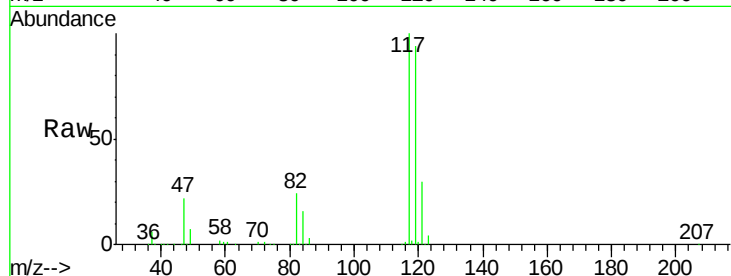
VSTD05080

Tgt Ion:117 Resp: 224827

Ion Ratio Lower Upper

117 100

119 95.5 75.4 113.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.91

100000

80000

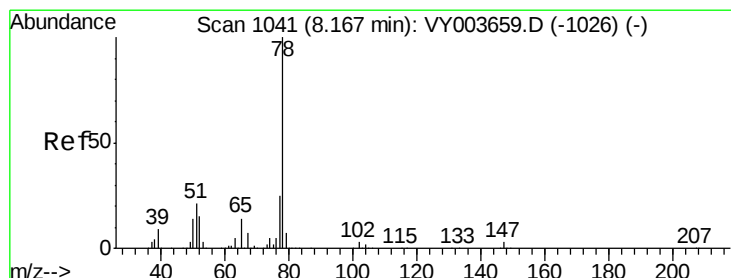
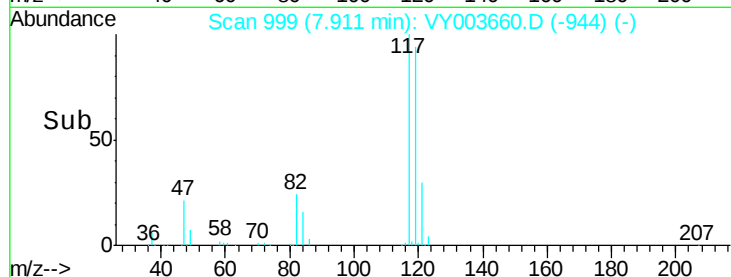
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#34

Benzene

Concen: 44.907 ug/L

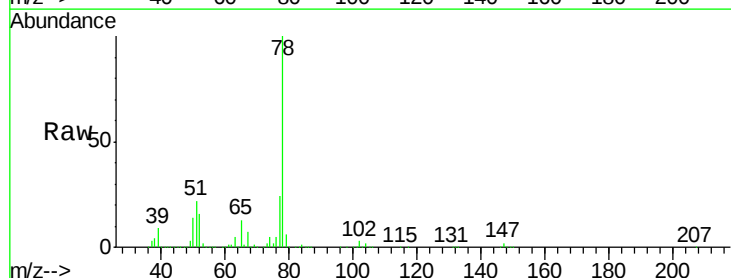
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Tgt Ion: 78 Resp: 669795



Abundance Ion 78.00 (77.70 to 78.70): VY0

8.17

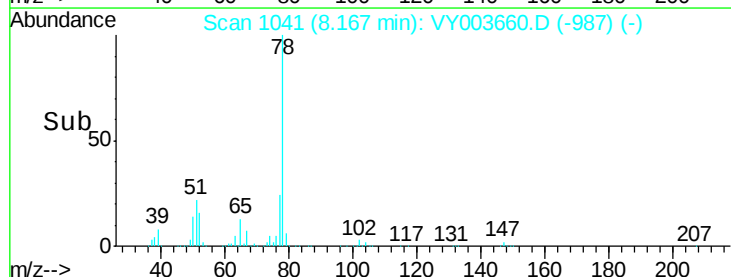
300000

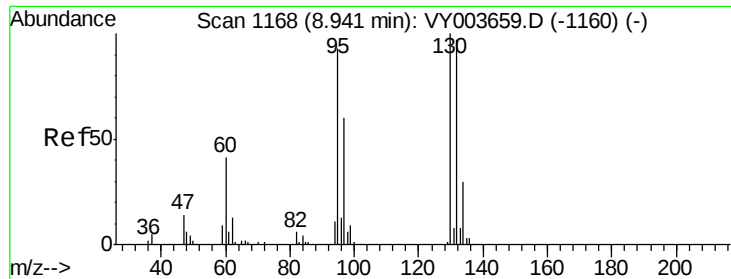
200000

100000

0

Time--> 8.00 8.10 8.20 8.30

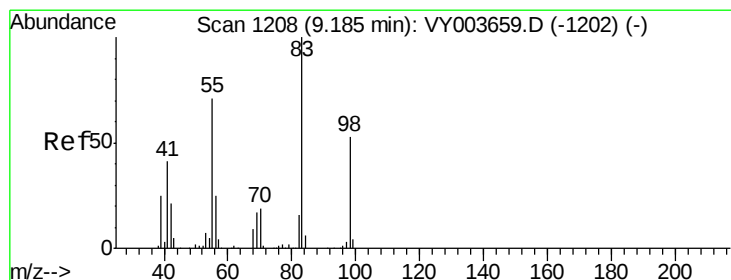
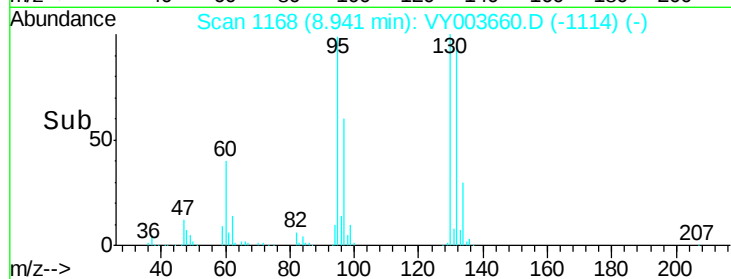
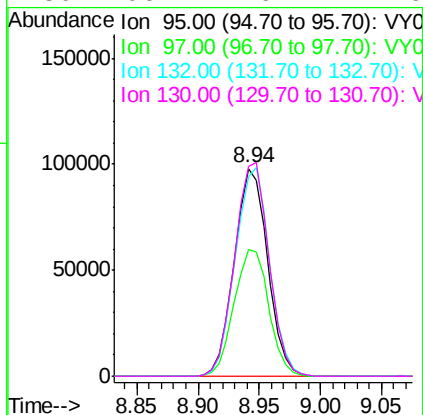
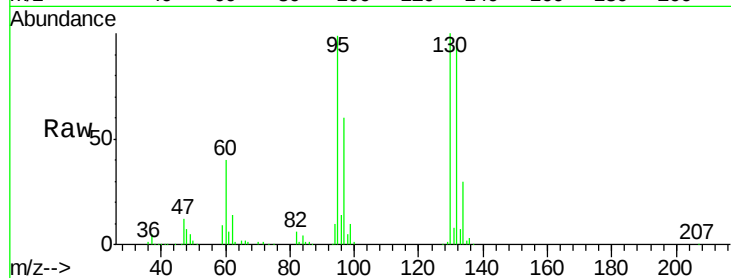




#35
 Trichloroethene
 Concen: 48.284 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

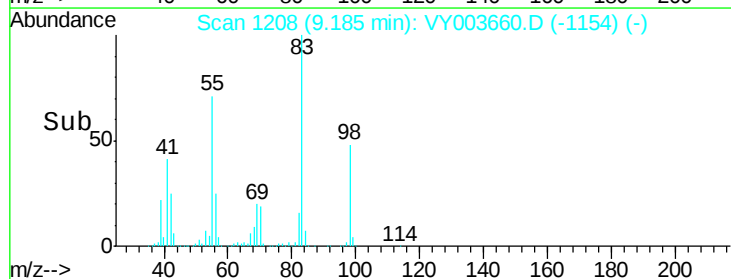
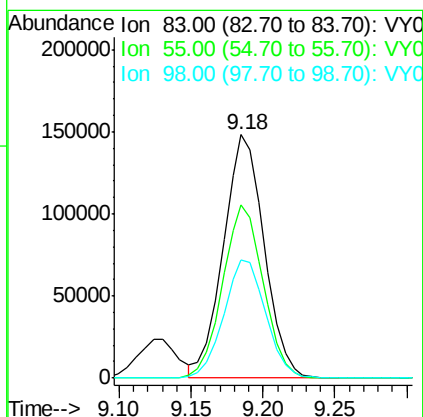
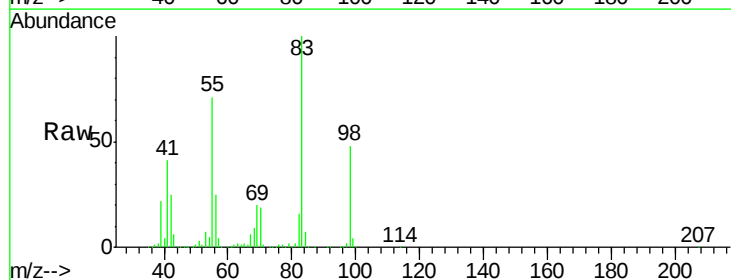
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05080

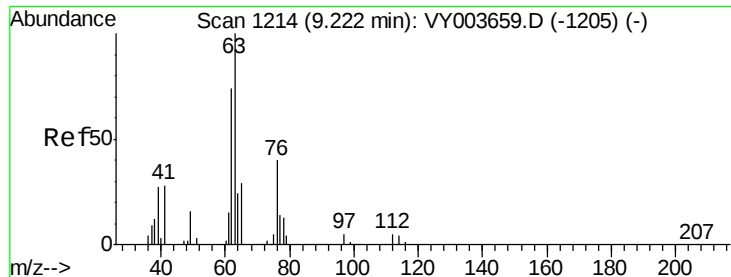
Tgt Ion	Resp	Lower	Upper
95	185139		
97	63.3	45.8	85.0
132	103.4	74.2	137.8
130	106.2	76.2	141.6



#36
 Methylcyclohexane
 Concen: 48.762 ug/L
 RT: 9.18 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

Tgt Ion	Resp	Lower	Upper
83	292918		
55	70.8	56.4	84.6
98	49.8	40.3	60.5





#40

1,2-Dichloropropane

Concen: 45.736 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

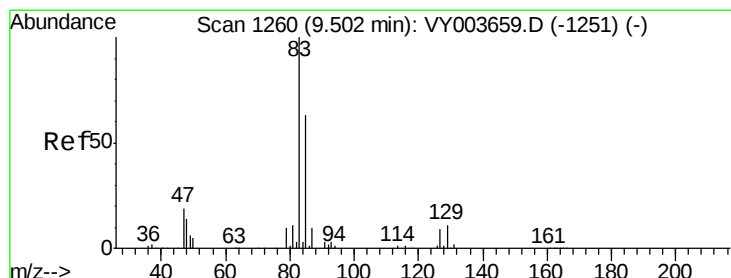
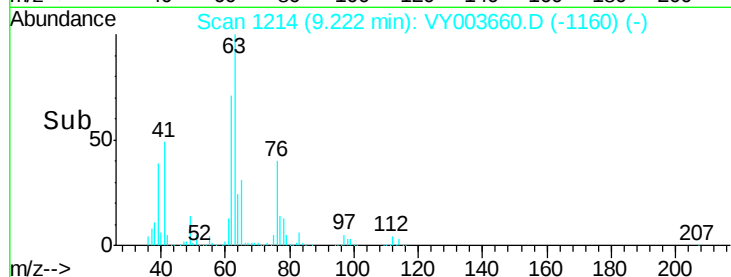
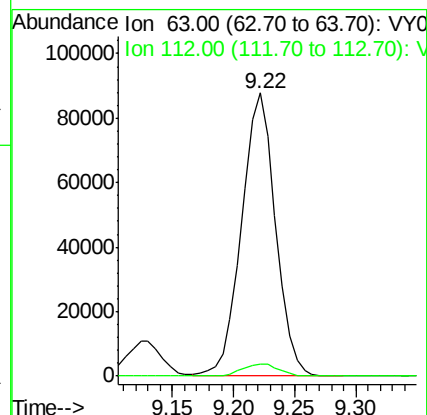
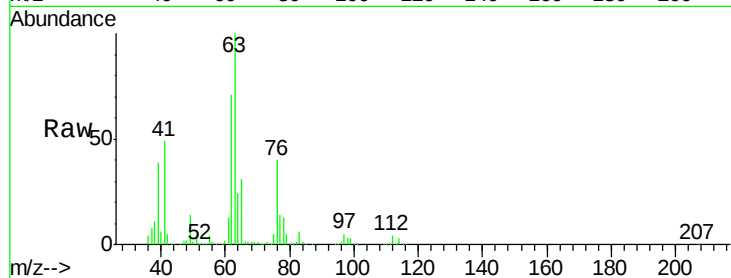
VSTD05080

Tgt Ion: 63 Resp: 168859

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#41

Bromodichloromethane

Concen: 46.177 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

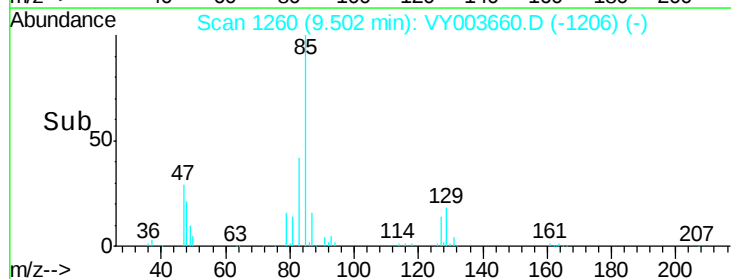
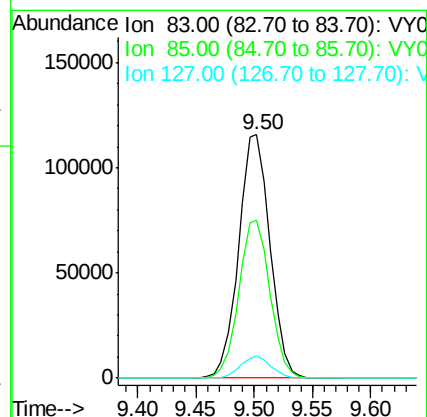
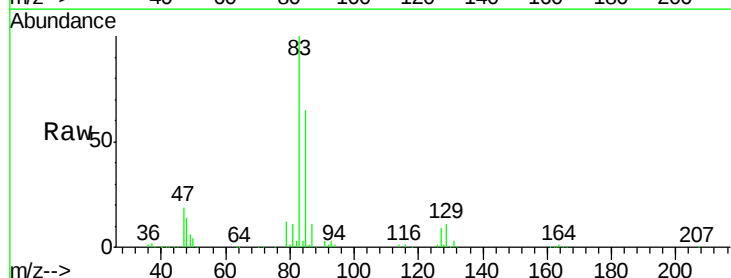
Tgt Ion: 83 Resp: 216974

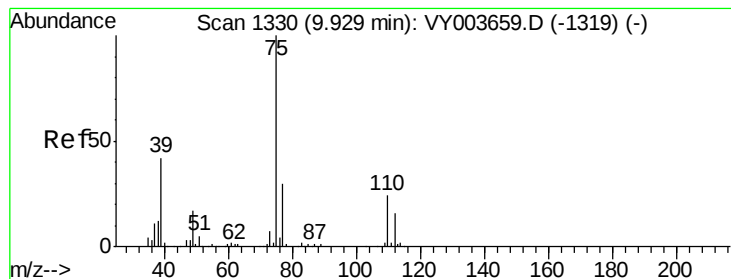
Ion Ratio Lower Upper

83 100

85 64.8 44.0 81.6

127 8.9 7.2 10.8



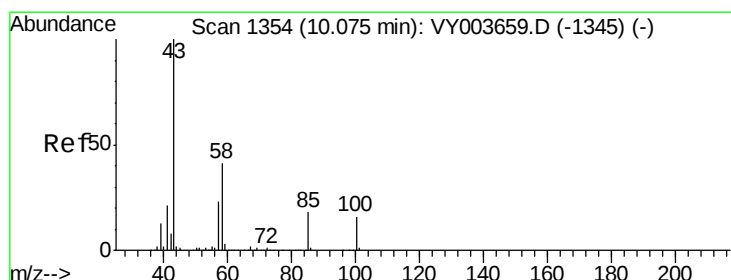
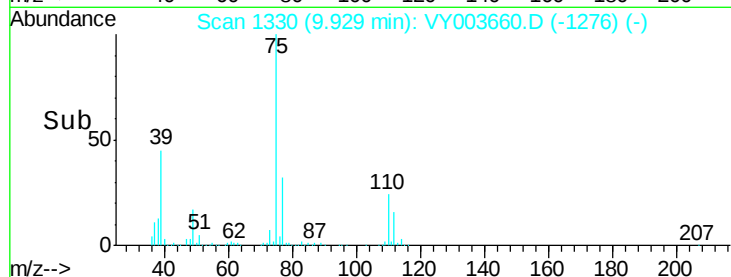
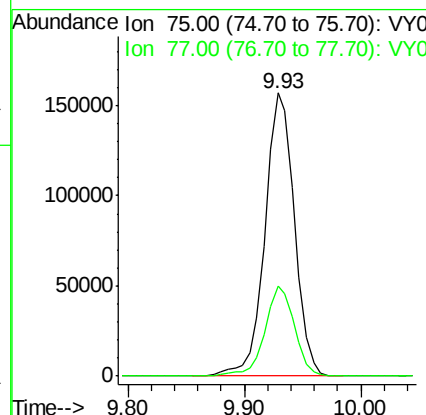
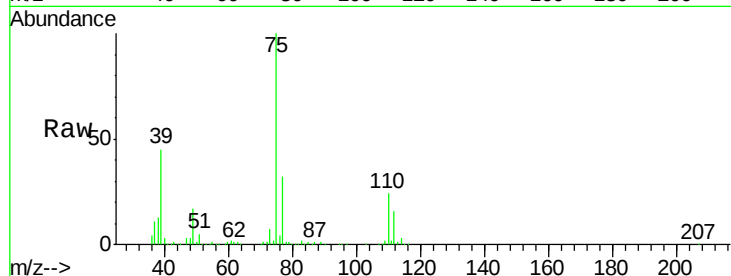


#42

cis-1,3-Dichloropropene
Concen: 47.611 ug/L
RT: 9.93 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VY003660.D
Acq: 04 Dec 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05080

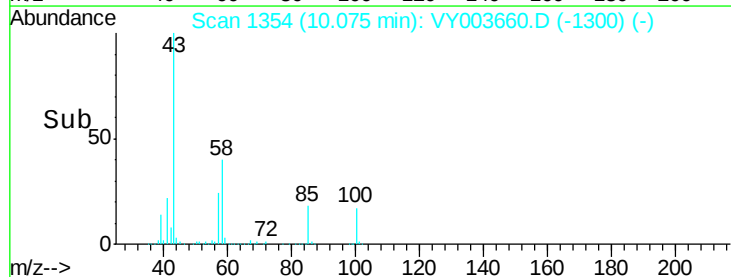
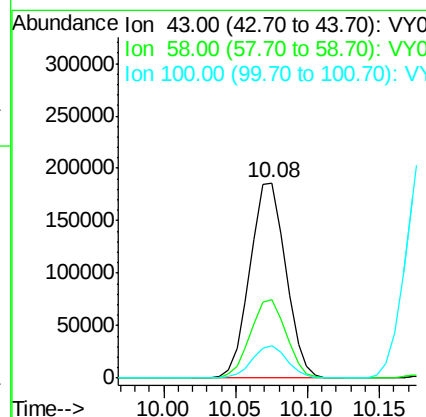
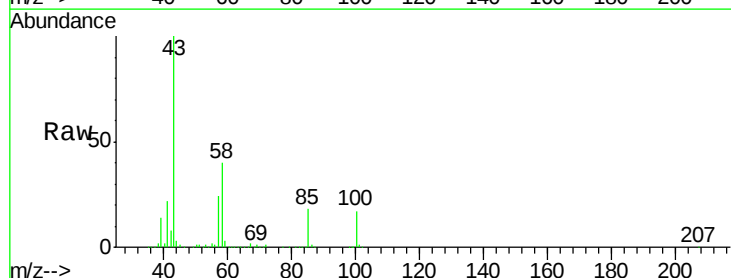
Tgt Ion: 75 Resp: 276569
Ion Ratio Lower Upper
75 100
77 32.0 21.3 39.6

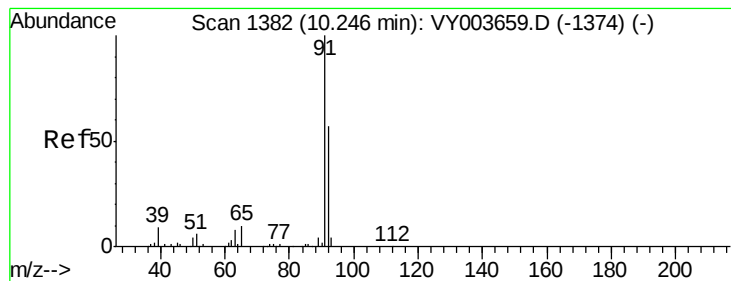


#43

4-Methyl-2-pentanone
Concen: 102.025 ug/L
RT: 10.08 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VY003660.D
Acq: 04 Dec 2020 12:25

Tgt Ion: 43 Resp: 321822
Ion Ratio Lower Upper
43 100
58 40.1 31.5 47.3
100 16.4 12.7 19.1





#44

Toluene

Concen: 46.161 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

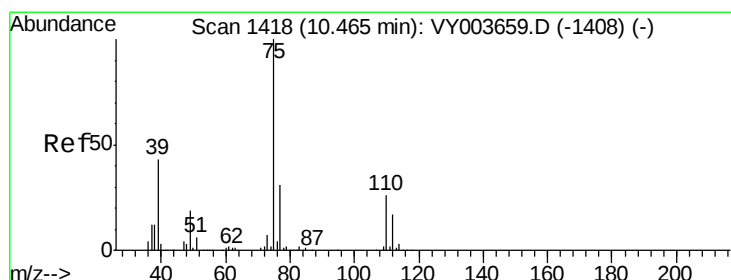
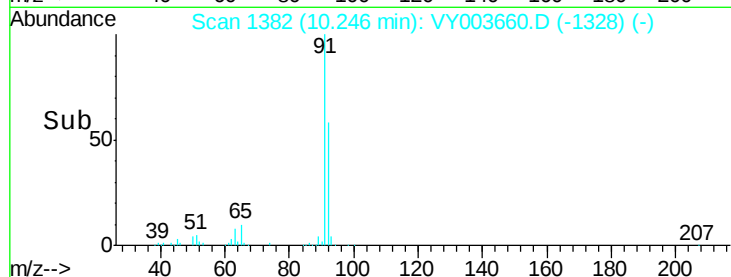
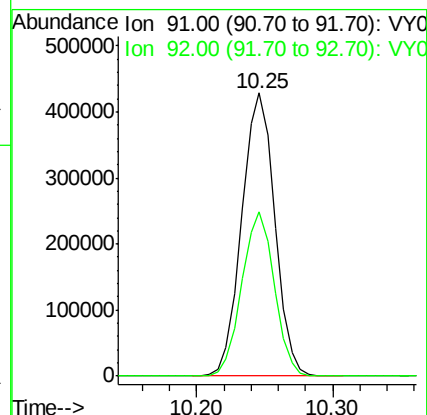
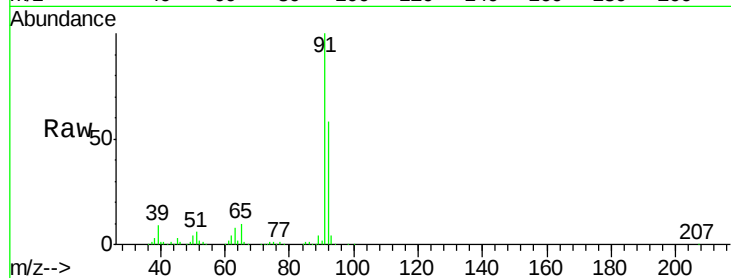
VSTD05080

Tgt Ion: 91 Resp: 726876

Ion Ratio Lower Upper

91 100

92 57.9 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 46.782 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003660.D

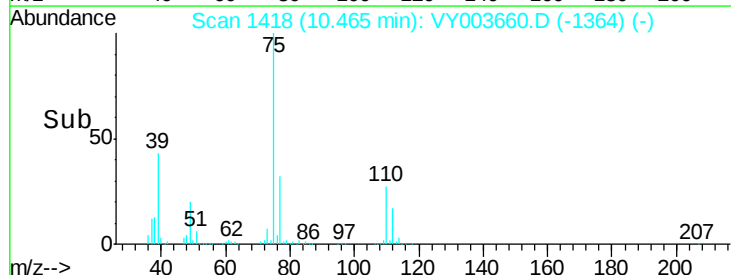
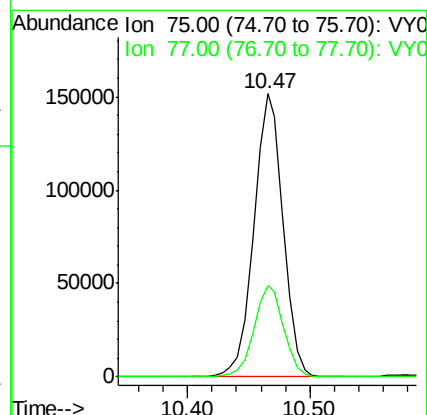
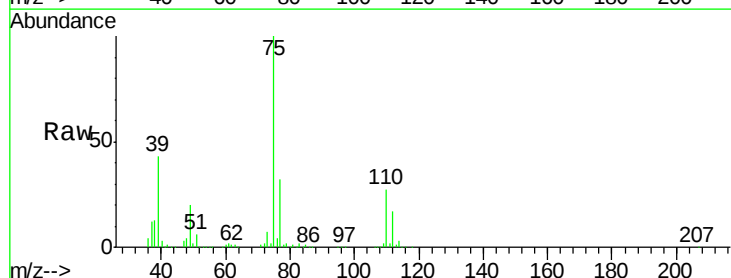
Acq: 04 Dec 2020 12:25

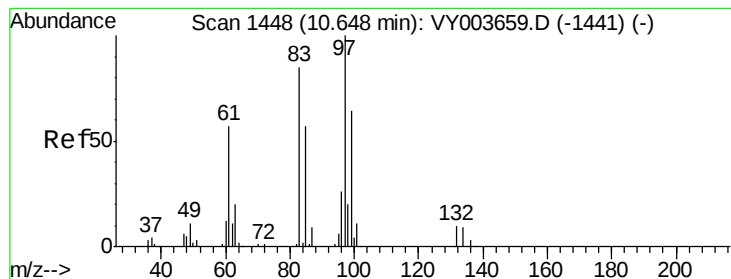
Tgt Ion: 75 Resp: 251534

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8





#46

1,1,2-Trichloroethane

Concen: 48.819 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05080

Tgt Ion: 97 Resp: 145873

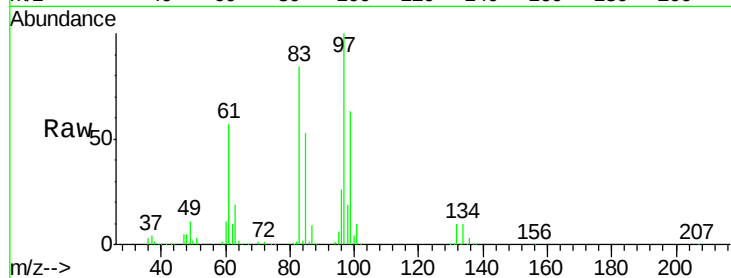
Ion Ratio Lower Upper

97 100

83 84.4 59.6 110.8

85 53.3 40.2 74.6

99 62.8 44.7 82.9

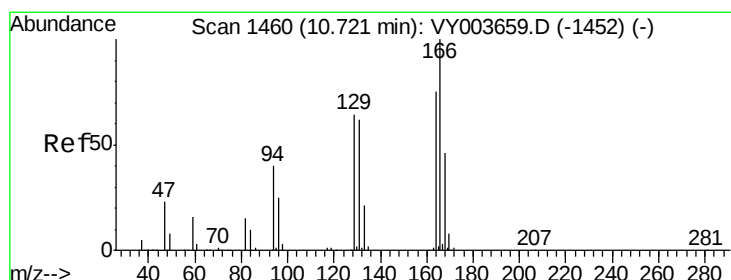
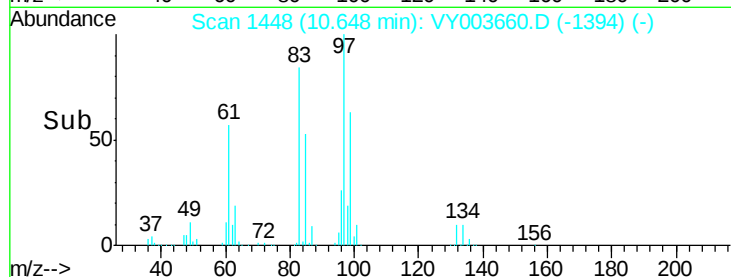
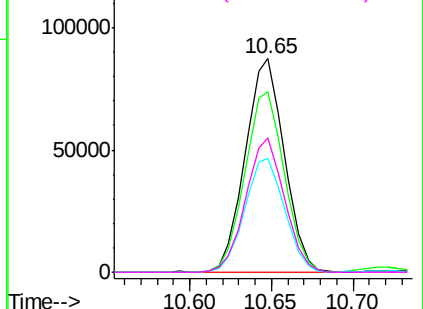


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47

Tetrachloroethene

Concen: 44.523 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Tgt Ion: 164 Resp: 144662

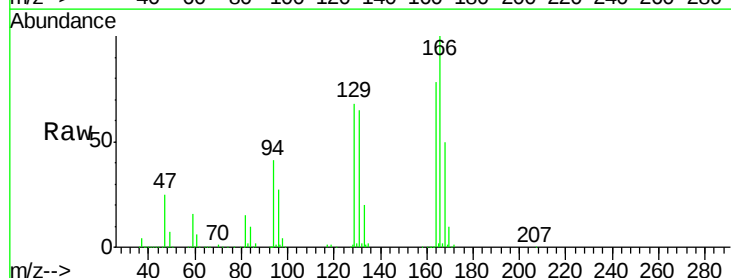
Ion Ratio Lower Upper

164 100

129 87.0 59.6 110.6

131 84.2 57.9 107.5

166 128.8 93.2 173.2

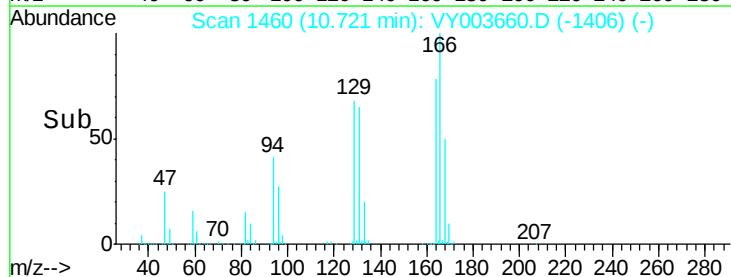
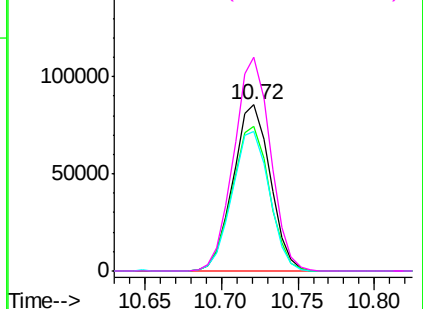


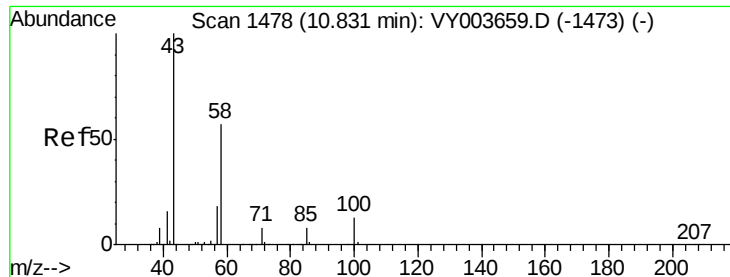
Abundance Ion 164.00 (163.70 to 164.70): V

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





#49

2-Hexanone

Concen: 96.898 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05080

Tgt Ion: 43 Resp: 236574

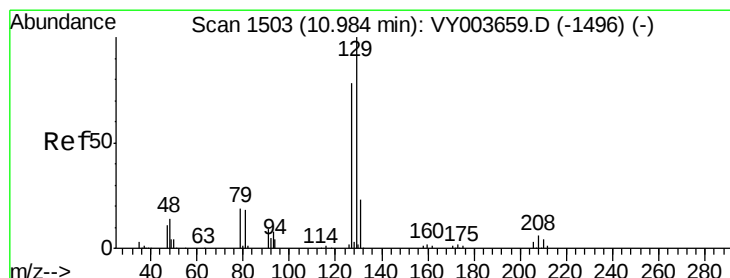
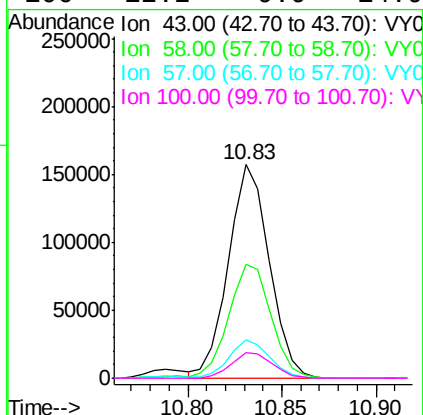
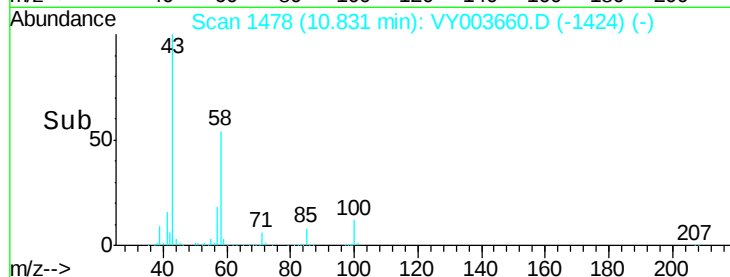
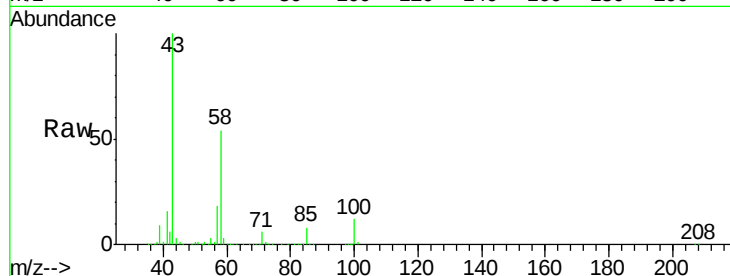
Ion Ratio Lower Upper

43 100

58 55.0 44.8 67.2

57 17.7 14.8 22.2

100 12.2 9.9 14.9



#50

Dibromochloromethane

Concen: 48.135 ug/L

RT: 10.98 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VY003660.D

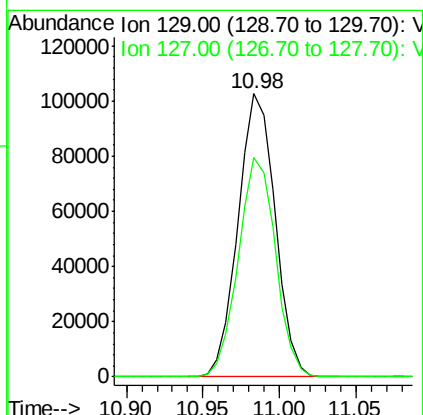
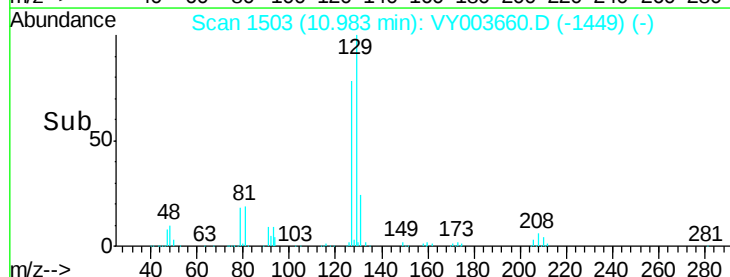
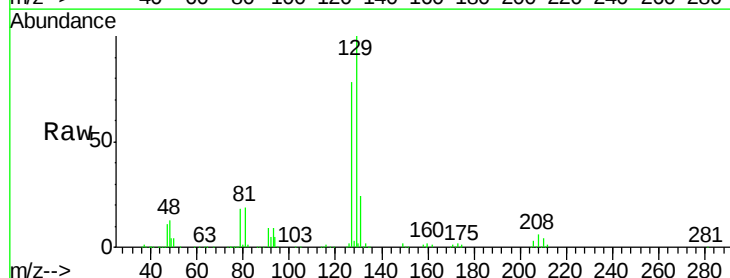
Acq: 04 Dec 2020 12:25

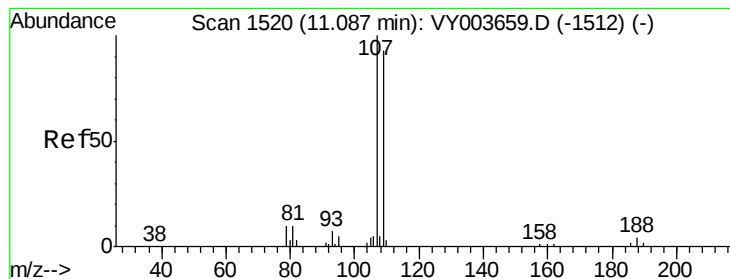
Tgt Ion: 129 Resp: 172949

Ion Ratio Lower Upper

129 100

127 77.6 54.8 101.8





#51

1,2-Dibromoethane

Concen: 47.842 ug/L

RT: 11.09 min Scan# 1520

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampled :

VSTD05080

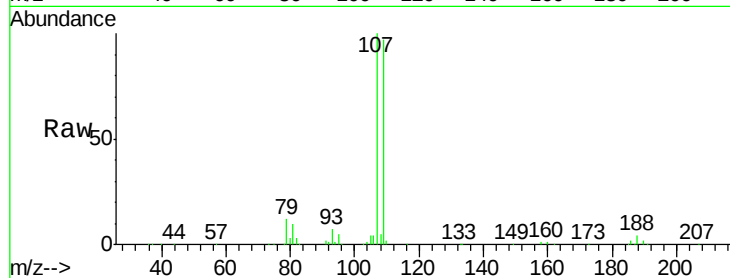
Tgt Ion:107 Resp: 141906

Ion Ratio Lower Upper

107 100

109 96.5 65.2 121.0

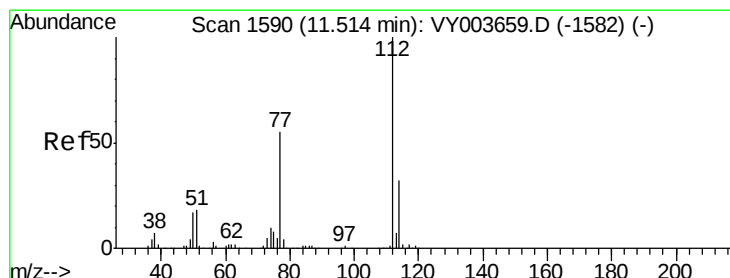
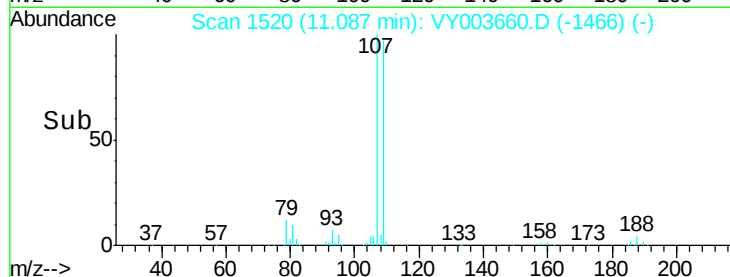
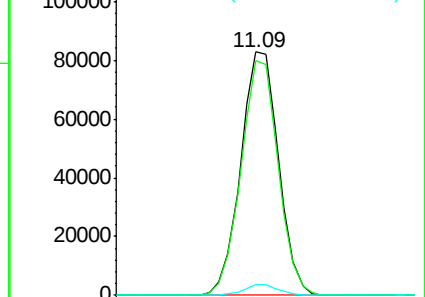
188 4.3 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 46.510 ug/L

RT: 11.51 min Scan# 1590

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

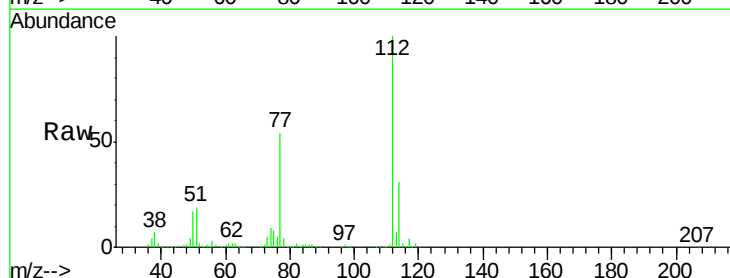
Tgt Ion:112 Resp: 469684

Ion Ratio Lower Upper

112 100

77 54.4 44.4 66.6

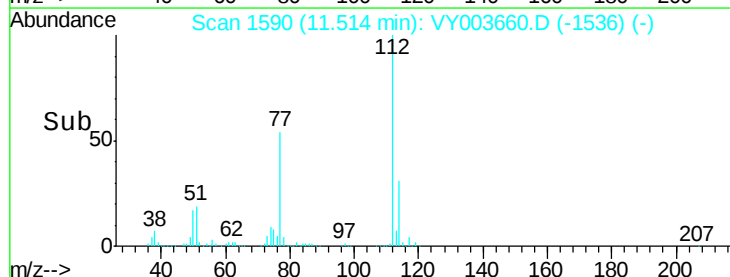
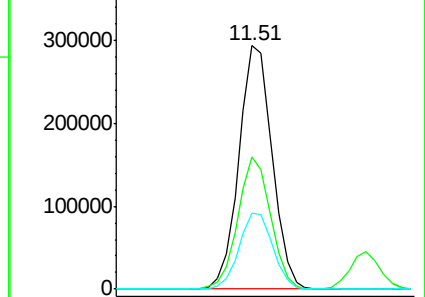
114 31.4 22.4 41.6

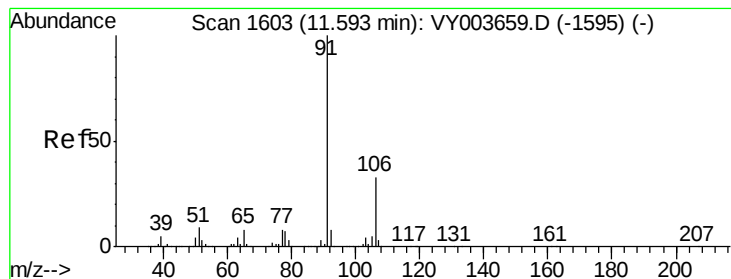


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 48.891 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

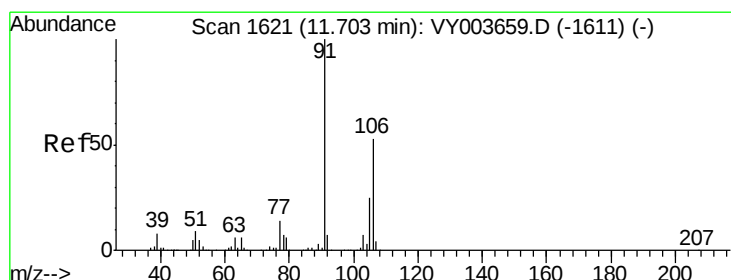
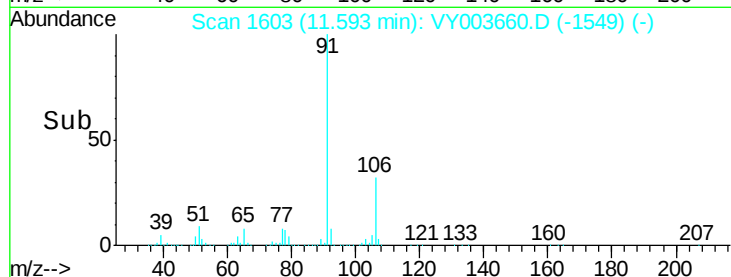
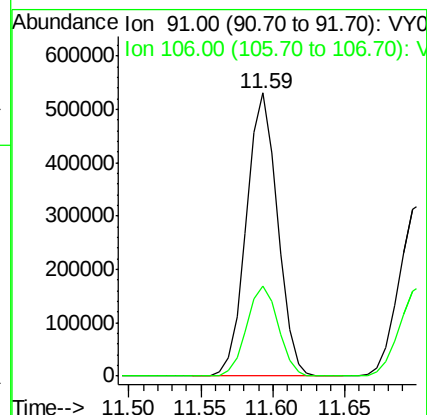
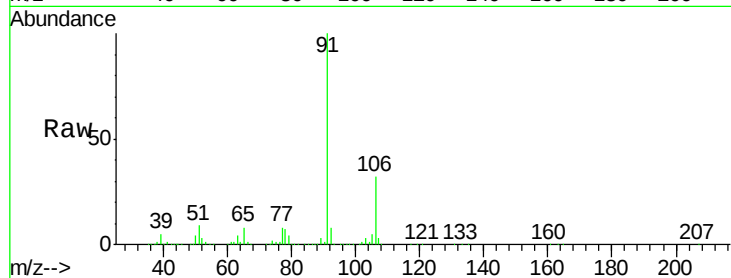
VSTD05080

Tgt Ion: 91 Resp: 795454

Ion Ratio Lower Upper

91 100

106 31.9 23.3 43.3



#54

m,p-Xylene

Concen: 49.241 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003660.D

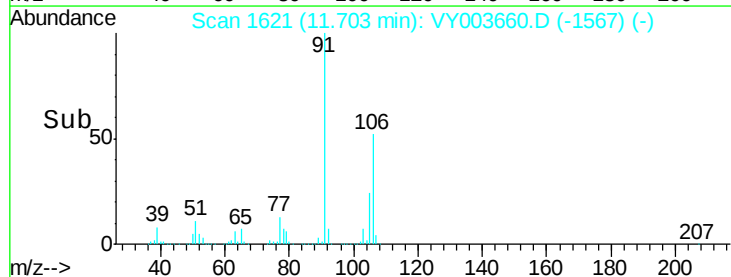
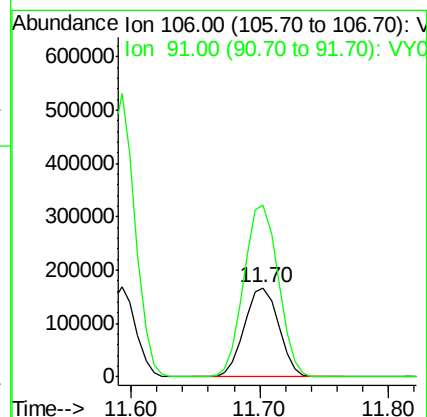
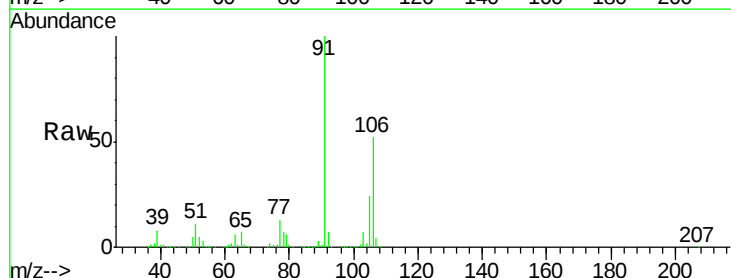
Acq: 04 Dec 2020 12:25

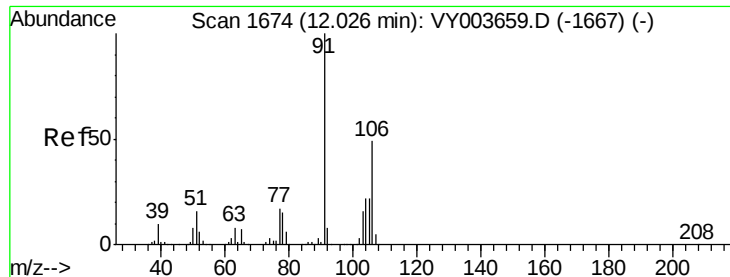
Tgt Ion: 106 Resp: 310064

Ion Ratio Lower Upper

106 100

91 193.0 131.3 243.9





#55

o-xylene

Concen: 55.433 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

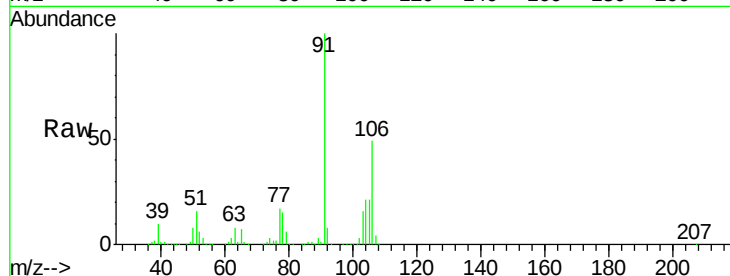
VSTD05080

Tgt Ion:106 Resp: 298267

Ion Ratio Lower Upper

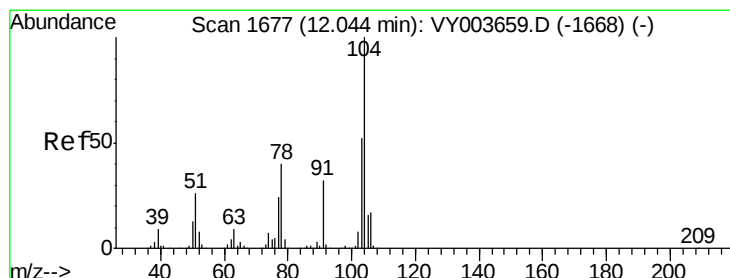
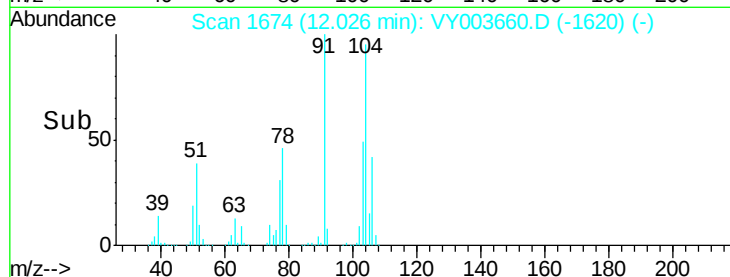
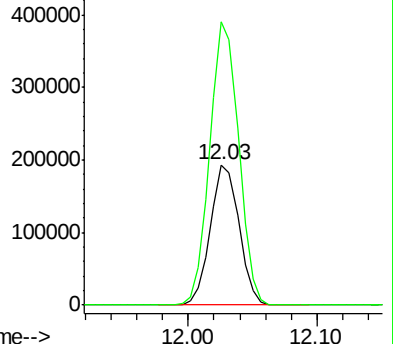
106 100

91 202.2 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 50.249 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003660.D

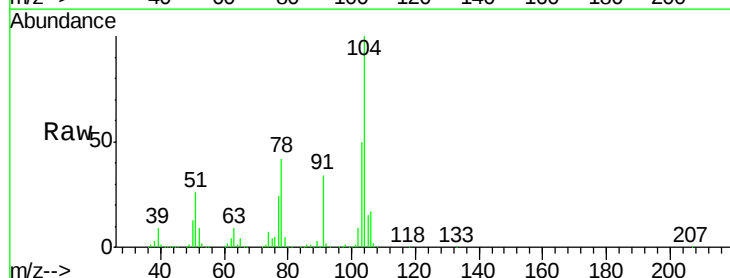
Acq: 04 Dec 2020 12:25

Tgt Ion:104 Resp: 517067

Ion Ratio Lower Upper

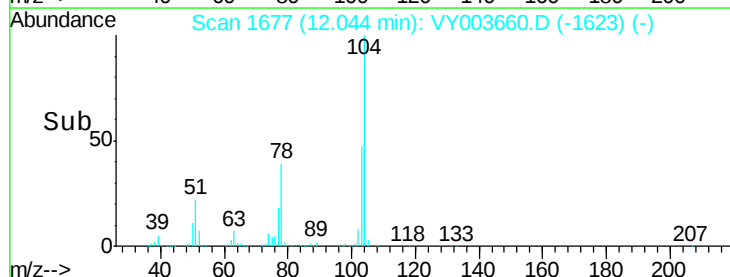
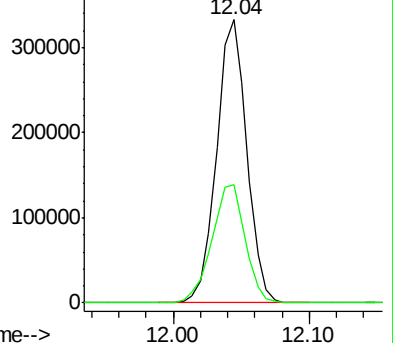
104 100

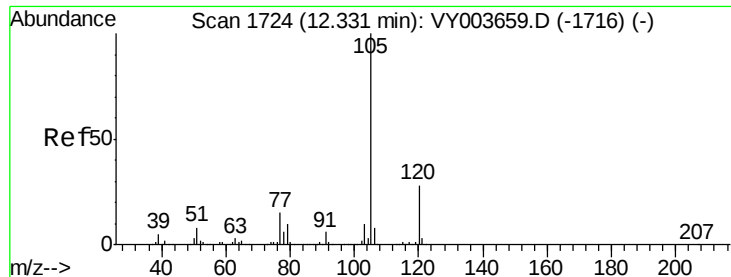
78 41.9 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 62.655 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05080

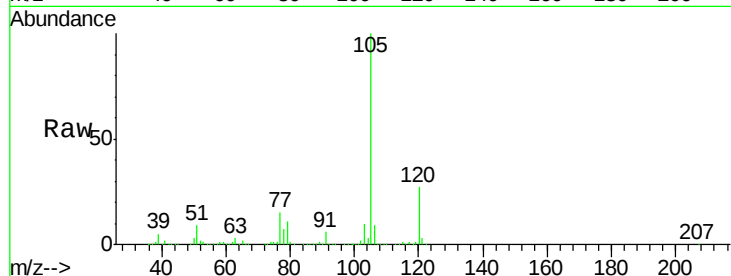
Tgt Ion: 105 Resp: 790795

Ion Ratio Lower Upper

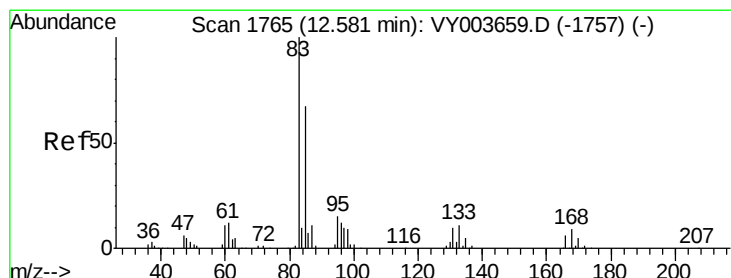
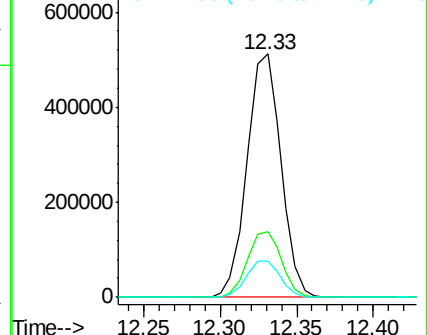
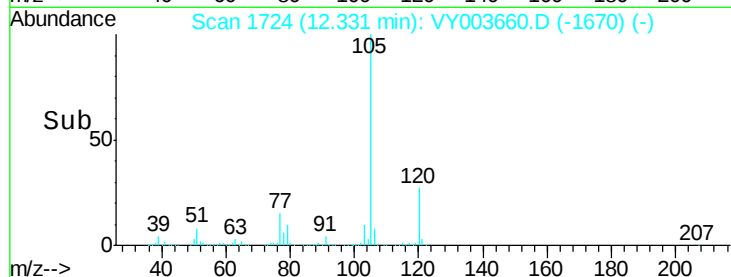
105 100

120 27.3 22.3 33.5

77 15.0 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VY003660.D (-1670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 45.902 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

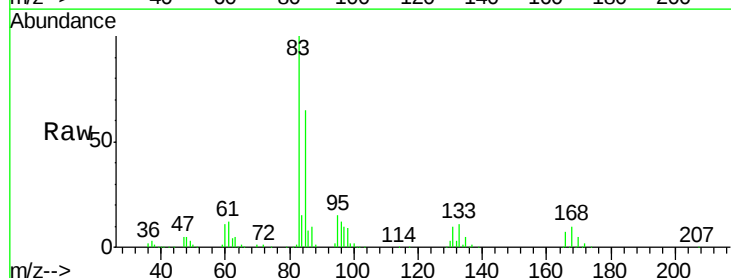
Tgt Ion: 83 Resp: 159277

Ion Ratio Lower Upper

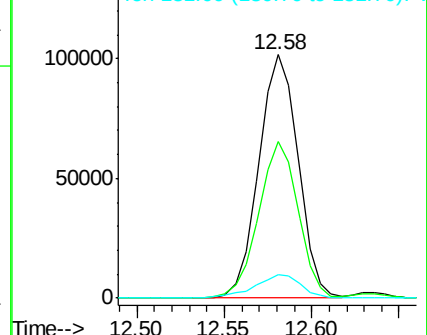
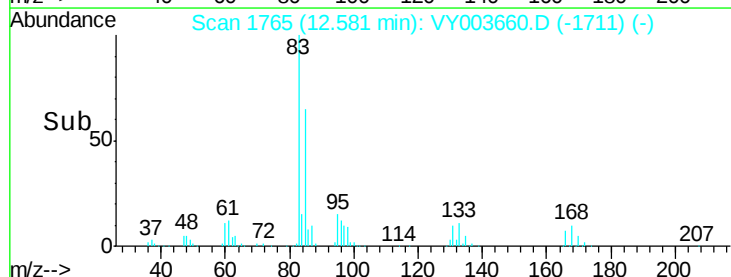
83 100

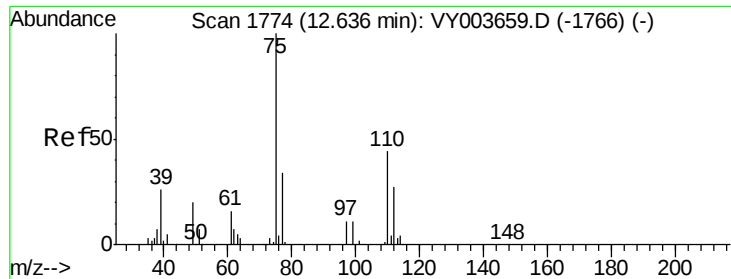
85 64.6 47.2 87.6

131 9.6 8.4 12.6



Abundance Ion 83.00 (82.70 to 83.70): VY003660.D (-1711) (-)

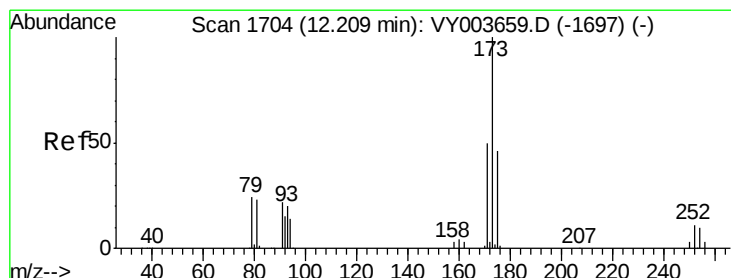
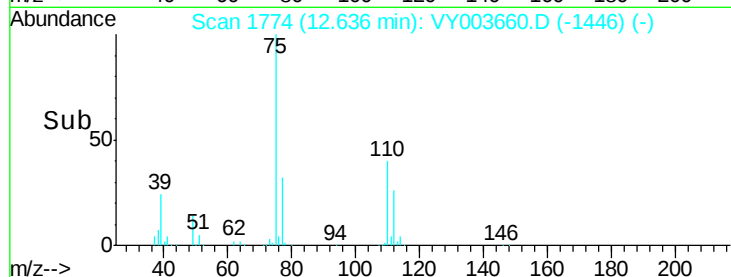
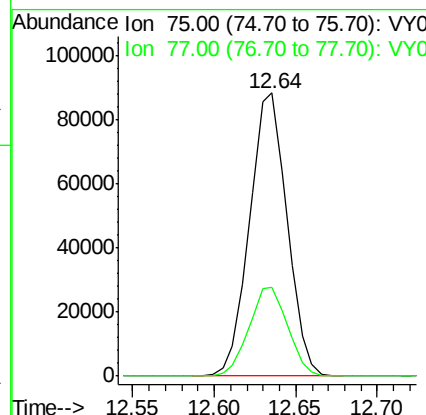
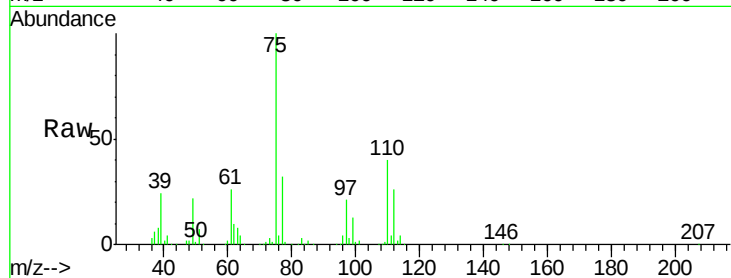




#59
 1,2,3-Trichloropropane
 Concen: 50.993 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

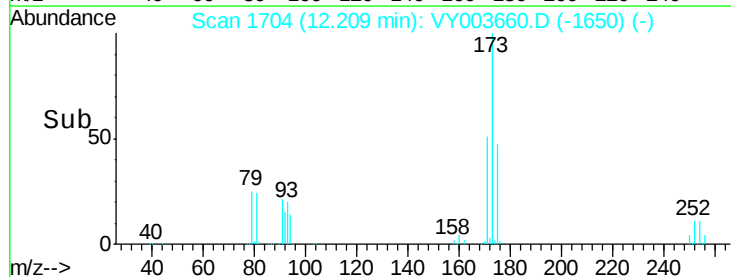
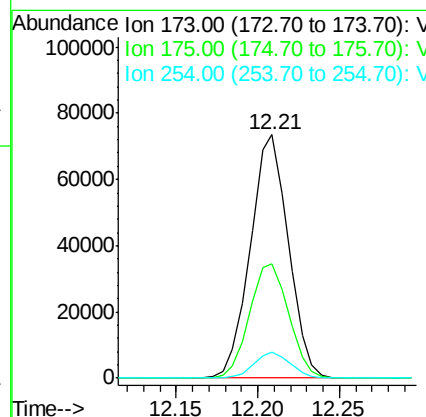
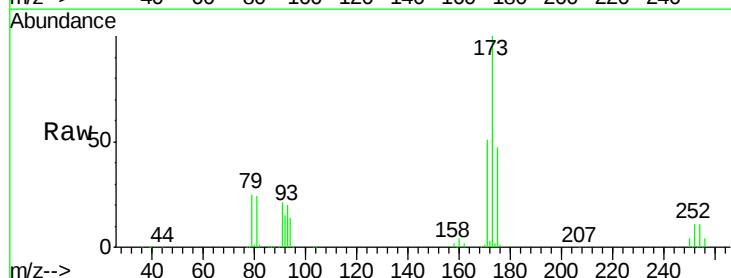
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05080

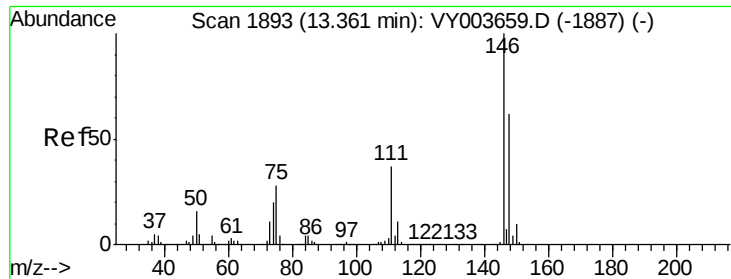
Tgt Ion: 75 Resp: 141849
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.9 38.9



#62
 Bromoform
 Concen: 46.274 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

Tgt Ion: 173 Resp: 119282
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.1 58.7
 254 10.4 7.7 11.5

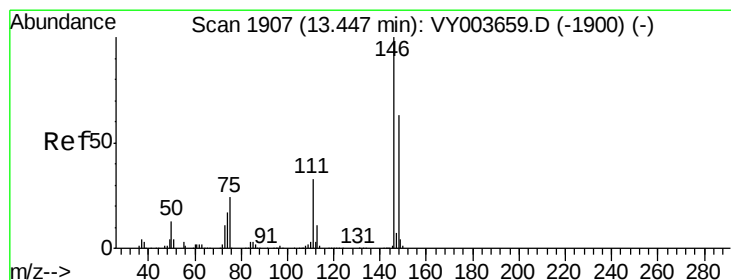
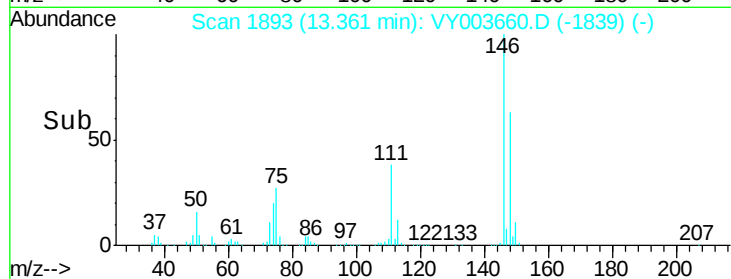
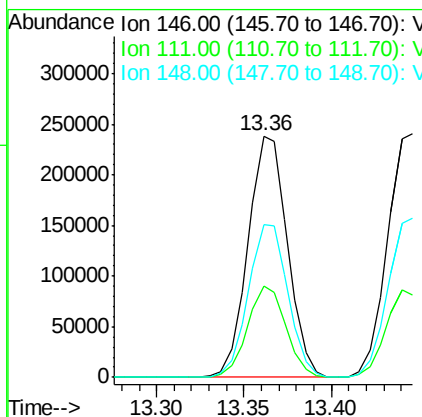
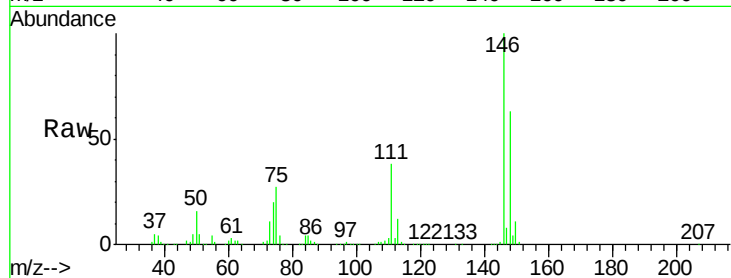




#63
 1,3-Dichlorobenzene
 Concen: 46.764 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

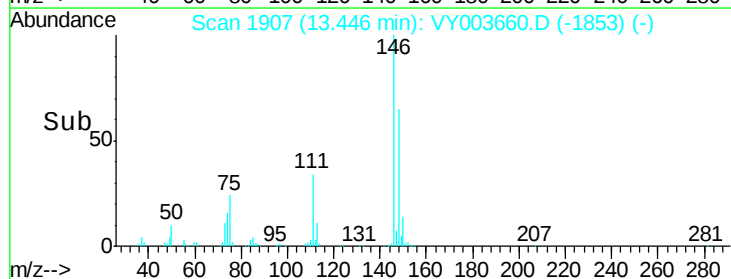
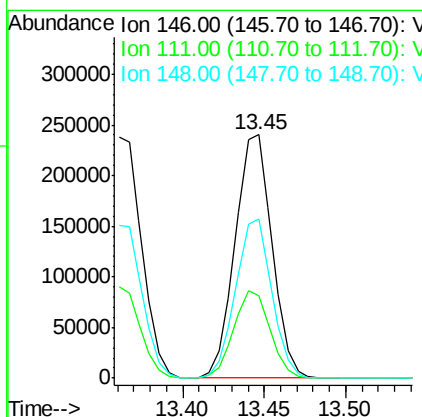
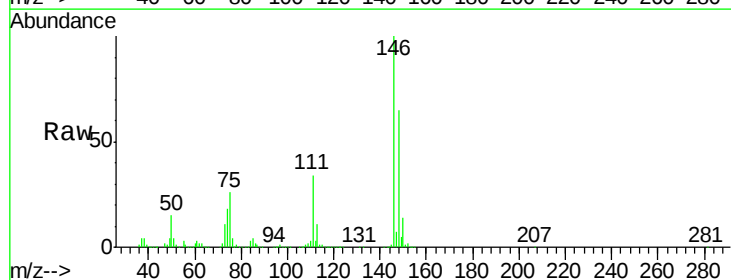
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05080

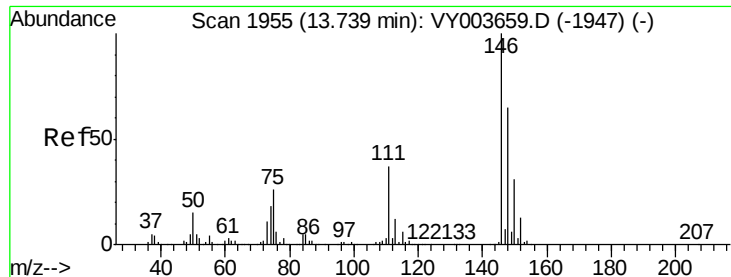
Tgt Ion:146 Resp: 374545
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.0 48.4
 148 63.4 43.7 81.1



#64
 1,4-Dichlorobenzene
 Concen: 45.902 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

Tgt Ion:146 Resp: 379802
 Ion Ratio Lower Upper
 146 100
 111 33.9 23.2 43.0
 148 65.2 43.8 81.4





#65

1,2-Dichlorobenzene

Concen: 51.732 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05080

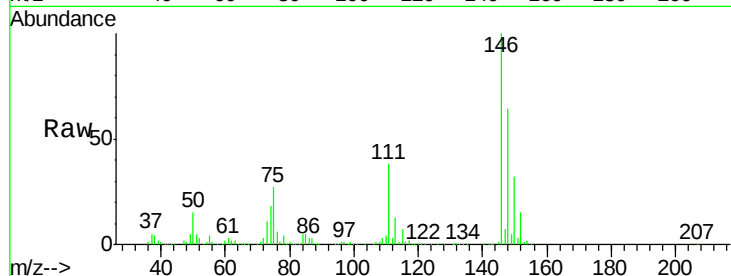
Tgt Ion:146 Resp: 350531

Ion Ratio Lower Upper

146 100

111 38.4 30.0 45.0

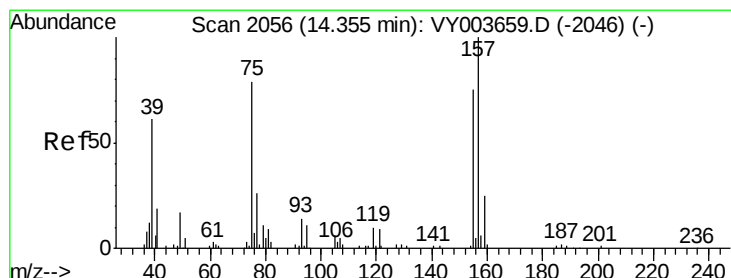
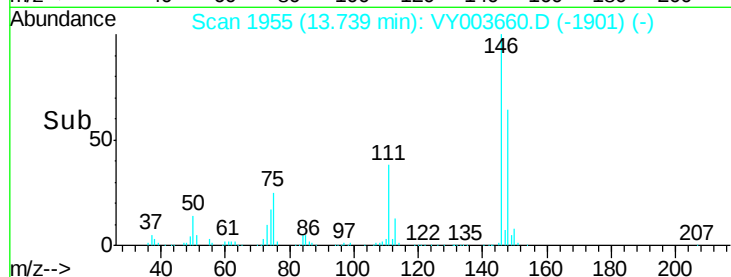
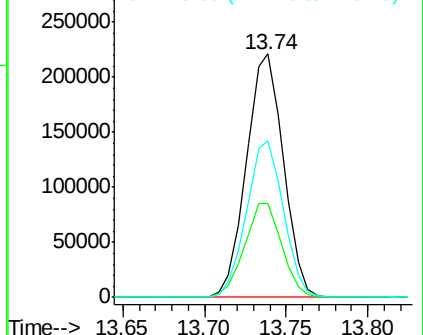
148 64.1 51.8 77.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 55.868 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

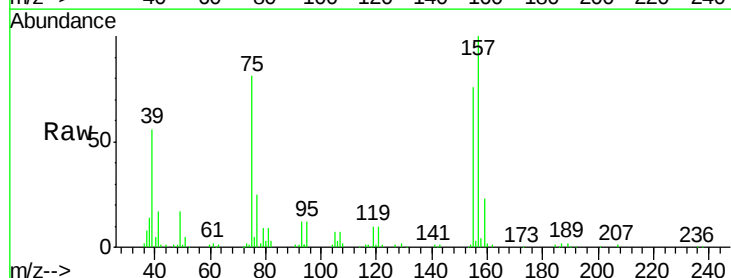
Tgt Ion: 75 Resp: 33107

Ion Ratio Lower Upper

75 100

157 124.2 101.3 151.9

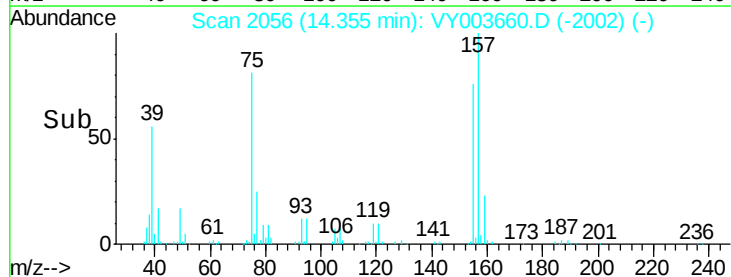
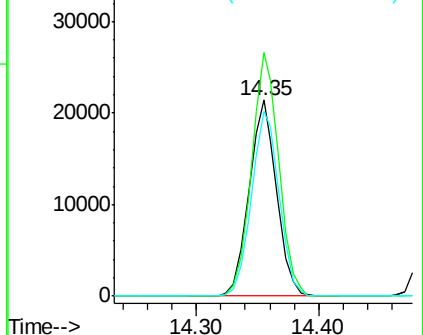
155 94.2 76.2 114.4

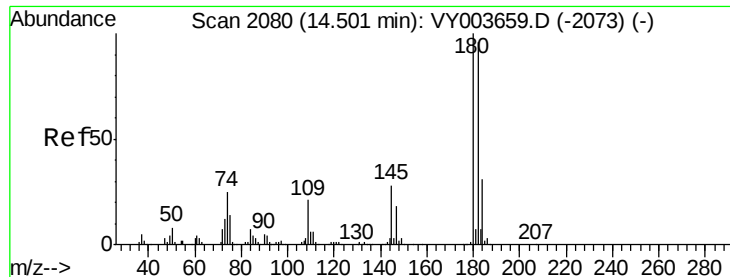


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

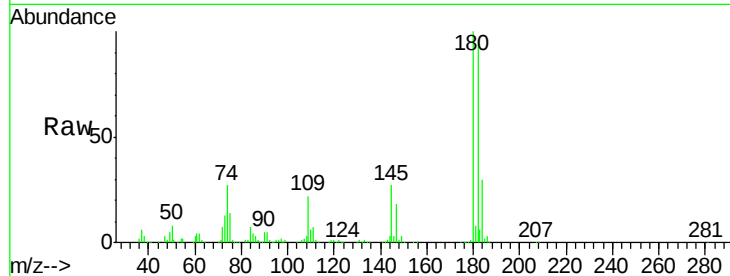




#67
 1,3,5-Trichlorobenzene
 Concen: 59.181 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05080

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.0	114.0
184	30.0	24.2	36.2
145	27.6	22.2	33.2

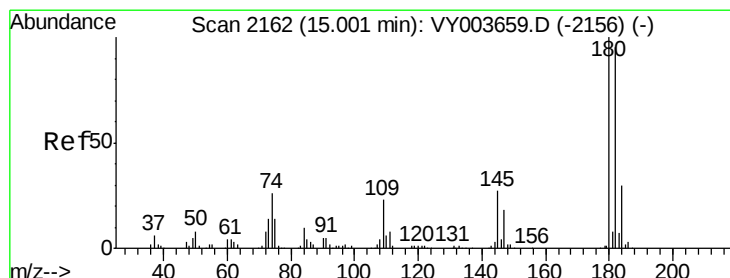
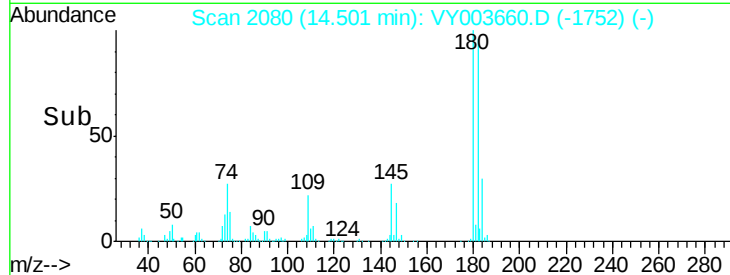
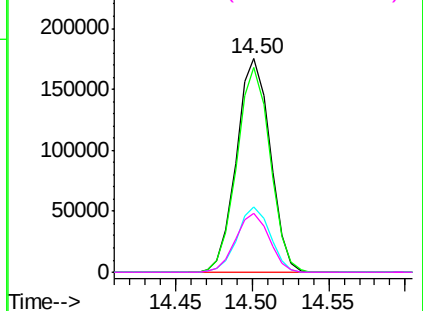


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

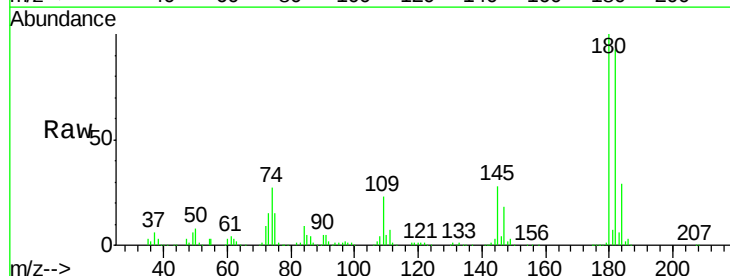
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 60.147 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VY003660.D
 Acq: 04 Dec 2020 12:25

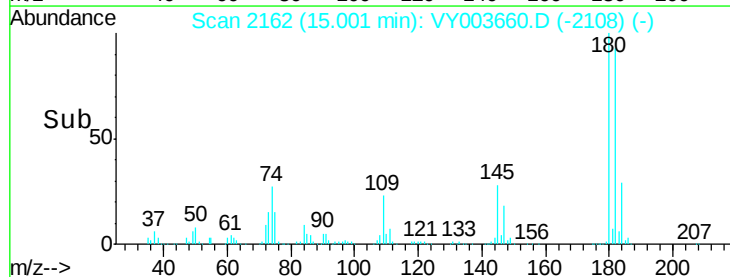
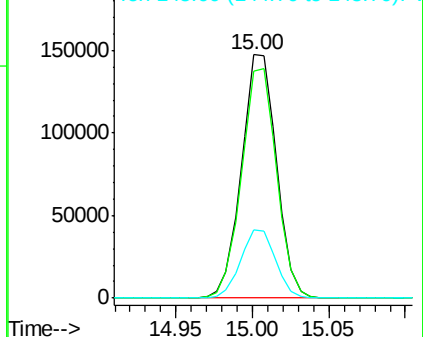
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.5	114.7
145	28.0	22.2	33.4

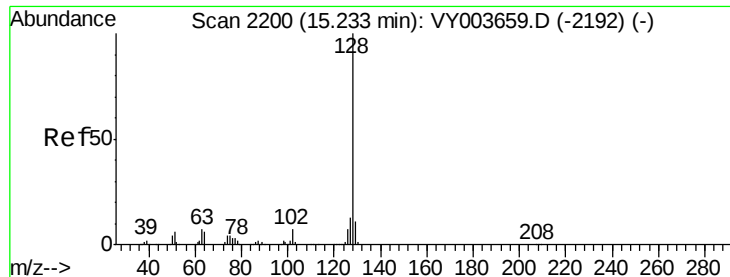


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 71.157 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05080

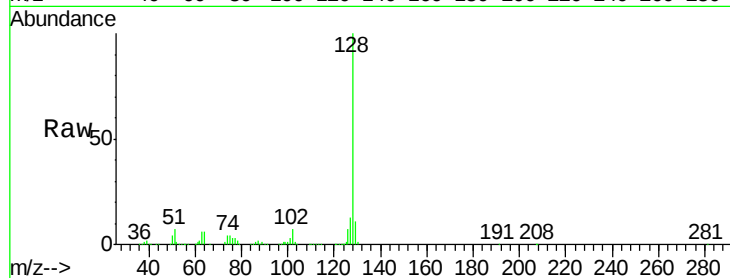
Tgt Ion:128 Resp: 514468

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

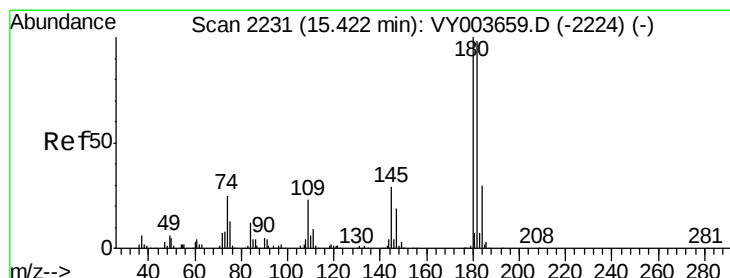
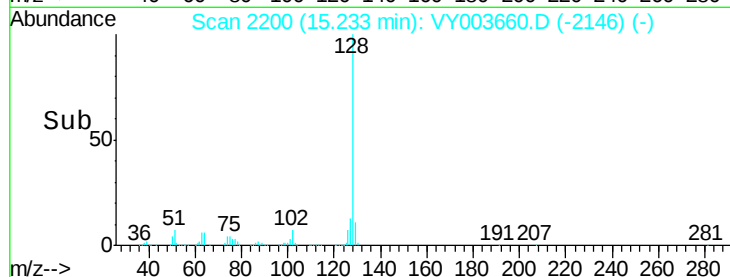
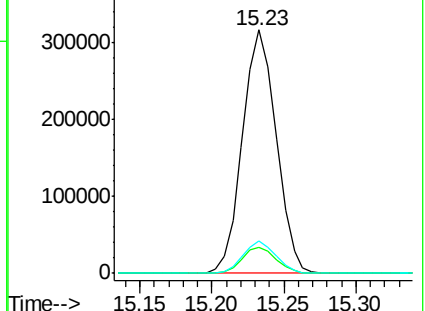
127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 68.014 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003660.D

Acq: 04 Dec 2020 12:25

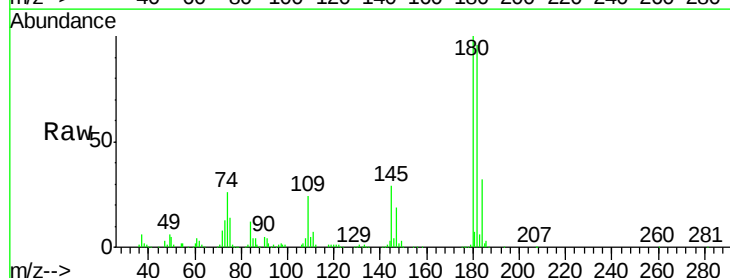
Tgt Ion:180 Resp: 211191

Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

145 29.5 24.2 36.4



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

