

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120420\
 Data File : VY003657.D
 Acq On : 04 Dec 2020 11:17
 Operator : SY/MD
 Sample : VSTD2.577
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

Quant Time: Dec 04 12:45:22 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	247443	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	232902	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	121089	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	8474	2.82	ug/L	0.00
7) Chloroethane-d5	2.77	69	6817	2.58	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.87	63	16041	2.34	ug/L	0.00
20) 2-Butanone-d5	6.91	46	6283	4.70	ug/L	0.00
24) Chloroform-d	7.50	84	15146	2.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	8976	2.51	ug/L	0.00
29) Benzene-d6	8.12	84	33480	2.43	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	9922	2.46	ug/L	0.00
37) Toluene-d8	10.18	98	28740	2.33	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	4166	2.07	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	4547	4.41	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	8562	2.42	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	10967	2.69	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	6304	3.867 ug/L	93
3) Chloromethane	2.12	50	7578	2.693 ug/L	96
5) Vinyl chloride	2.26	62	7657	2.356 ug/L	91
6) Bromomethane	2.66	94	5012	2.016 ug/L	99
8) Chloroethane	2.80	64	4738	2.168 ug/L	92
9) Trichlorofluoromethane	3.14	101	11949	3.414 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	7346	2.252 ug/L #	87
12) 1,1-Dichloroethene	3.89	96	6468	1.932 ug/L	98
13) Acetone	3.96	43	5053	5.175 ug/L	99
14) Carbon disulfide	4.21	76	23126	2.093 ug/L	98
15) Methyl Acetate	4.50	43	2956	1.197 ug/L	92
16) Methylene chloride	4.73	84	9564	2.274 ug/L	94
17) Methyl tert-butyl Ether	5.23	73	9436	1.576 ug/L #	63
18) trans-1,2-Dichloroethene	5.23	96	8233	2.318 ug/L	87
19) 1,1-Dichloroethane	6.03	63	13396	2.242 ug/L	93
21) 2-Butanone	7.00	43	9014	5.492 ug/L #	72
22) cis-1,2-Dichloroethene	7.00	96	8144	2.220 ug/L	92
23) Bromochloromethane	7.34	128	4251	2.381 ug/L	90
25) Chloroform	7.51	83	13435	2.248 ug/L	98
27) 1,2-Dichloroethane	8.25	62	9129	2.257 ug/L #	94
30) Cyclohexane	7.79	56	11178	2.024 ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	12243	2.430 ug/L #	86
32) Carbon tetrachloride	7.91	117	10794	2.276 ug/L	97
34) Benzene	8.17	78	33225	2.306 ug/L	100
35) Trichloroethene	8.95	95	9092	2.455 ug/L	96
36) Methylcyclohexane	9.18	83	12816	2.209 ug/L	99
40) 1,2-Dichloropropane	9.22	63	8158	2.288 ug/L	98
41) Bromodichloromethane	9.50	83	10034	2.211 ug/L	94
42) cis-1,3-Dichloropropene	9.93	75	12269	2.187 ug/L	97
43) 4-Methyl-2-pentanone	10.08	43	15003	4.925 ug/L	99

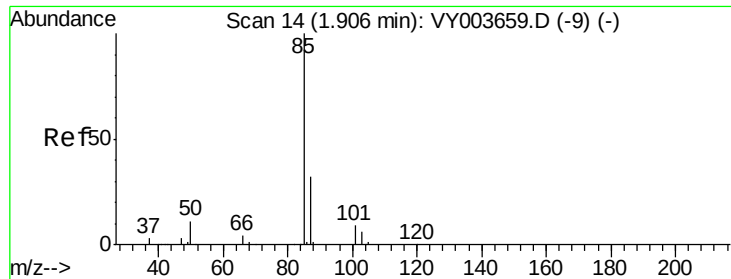
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120420\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 12:43:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.25	91	32882	2.162	ug/L	97
45) trans-1,3-Dichloropropene	10.47	75	10853	2.090	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	6965	2.414	ug/L	97
47) Tetrachloroethene	10.72	164	6982	2.225	ug/L	95
49) 2-Hexanone	10.83	43	9319	3.952	ug/L	97
50) Dibromochloromethane	10.98	129	8071	2.326	ug/L	95
51) 1,2-Dibromoethane	11.09	107	6413	2.239	ug/L	93
52) Chlorobenzene	11.51	112	22481	2.305	ug/L	96
53) Ethylbenzene	11.59	91	35909	2.285	ug/L	99
54) m,p-Xylene	11.70	106	13599	2.236	ug/L	88
55) o-xylene	12.03	106	12996	2.501	ug/L	98
56) Styrene	12.04	104	21356	2.149	ug/L	99
57) Isopropylbenzene	12.33	105	33131	2.718	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.58	83	7159	2.136	ug/L	93
59) 1,2,3-Trichloropropane	12.64	75	6523	2.428	ug/L	97
62) Bromoform	12.20	173	5445	2.247	ug/L	98
63) 1,3-Dichlorobenzene	13.37	146	17748	2.357	ug/L	95
64) 1,4-Dichlorobenzene	13.45	146	17902	2.301	ug/L	95
65) 1,2-Dichlorobenzene	13.74	146	15464	2.427	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	1455	2.612	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	12264	2.876	ug/L	97
68) 1,2,4-trichlorobenzene	15.01	180	10238	2.799	ug/L	98
69) Naphthalene	15.23	128	18701	2.751	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	9362	3.207	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 3.867 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

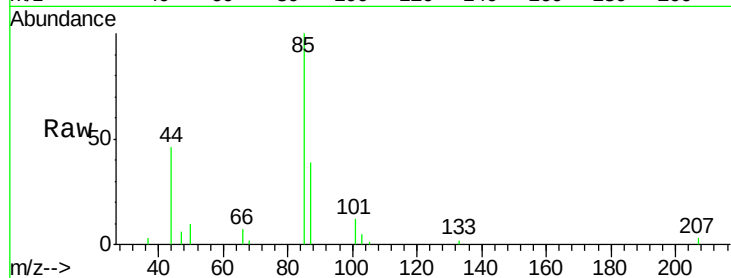
VSTD2.577

Tgt Ion: 85 Resp: 6304

Ion Ratio Lower Upper

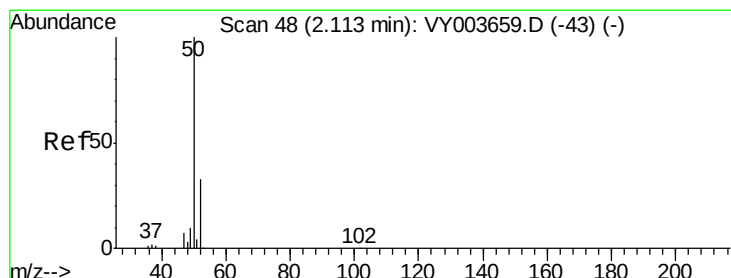
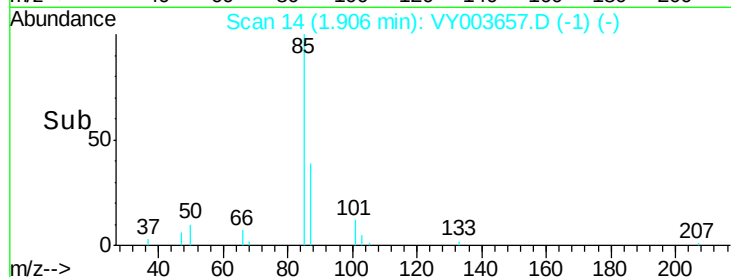
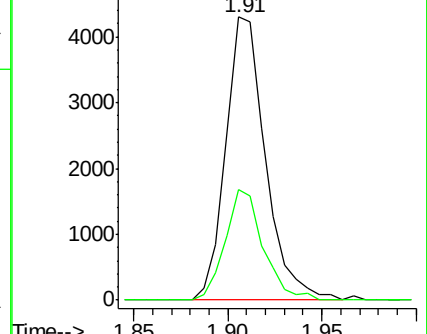
85 100

87 36.5 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: 2.693 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003657.D

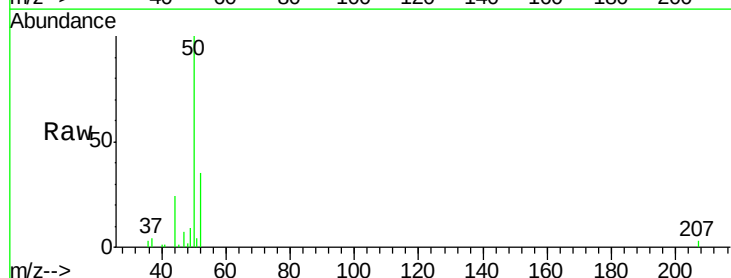
Acq: 04 Dec 2020 11:17

Tgt Ion: 50 Resp: 7578

Ion Ratio Lower Upper

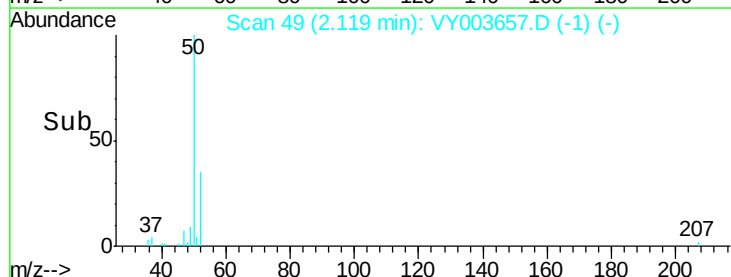
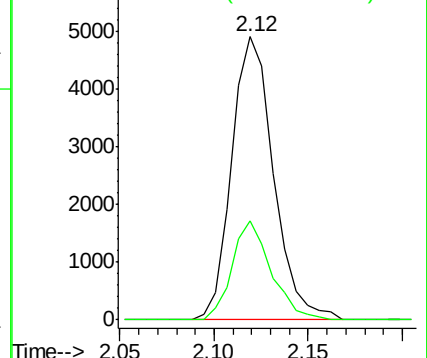
50 100

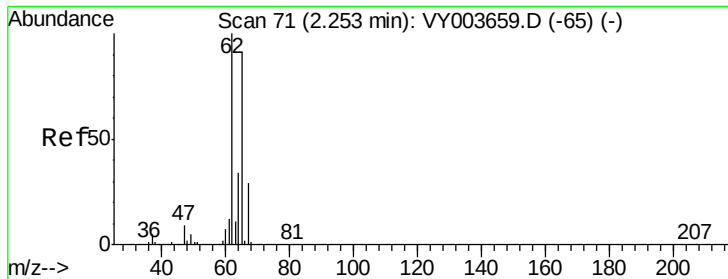
52 35.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 2.356 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampled :

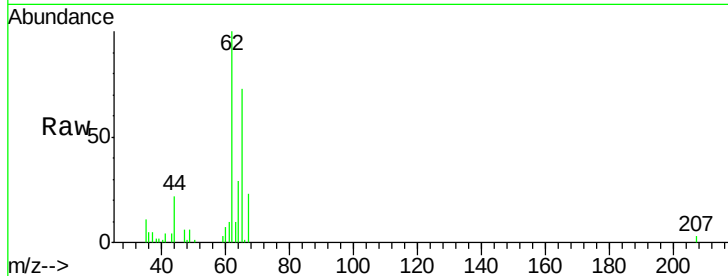
VSTD2.577

Tgt Ion: 62 Resp: 7657

Ion Ratio Lower Upper

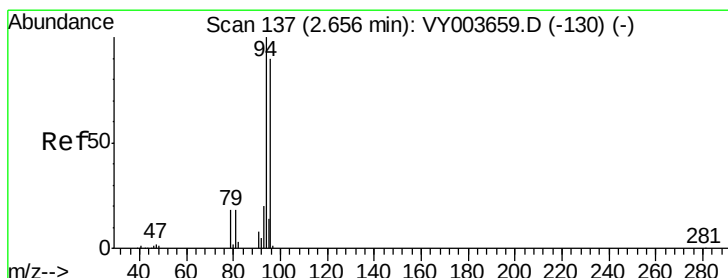
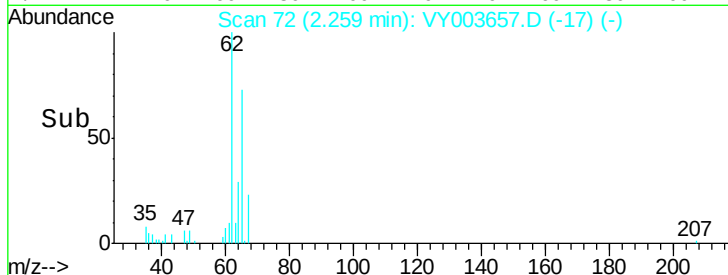
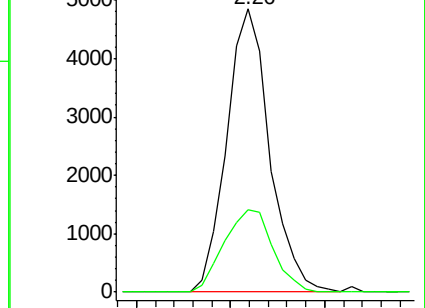
62 100

64 29.1 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: 2.016 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.01 min

Lab File: VY003657.D

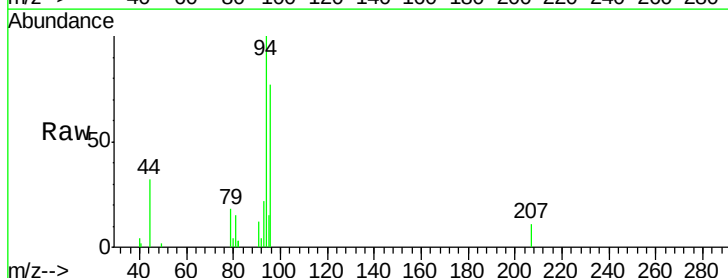
Acq: 04 Dec 2020 11:17

Tgt Ion: 94 Resp: 5012

Ion Ratio Lower Upper

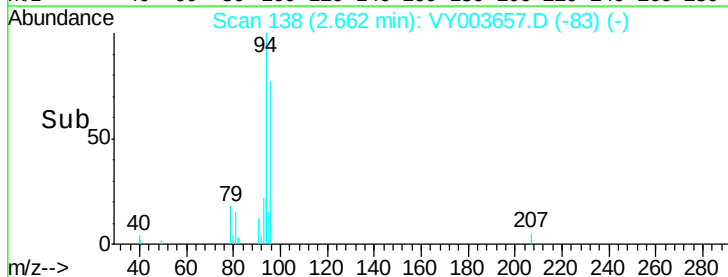
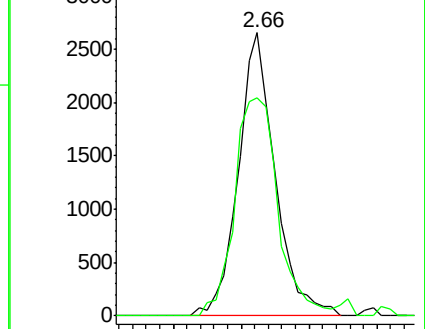
94 100

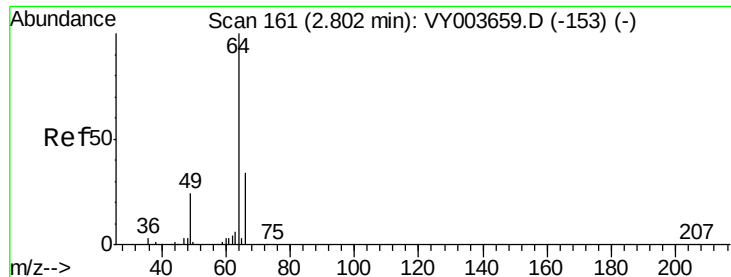
96 90.8 9.2 174.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

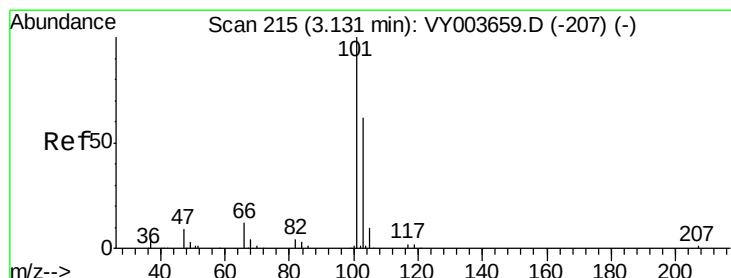
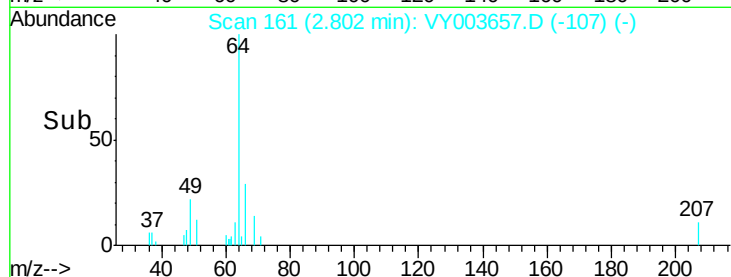
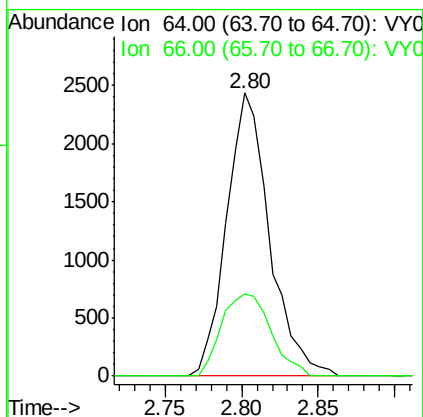
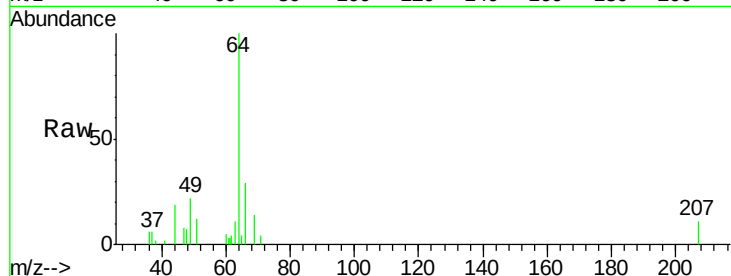




#8
 Chloroethane
 Concen: 2.168 ug/L
 RT: 2.80 min Scan# 161
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

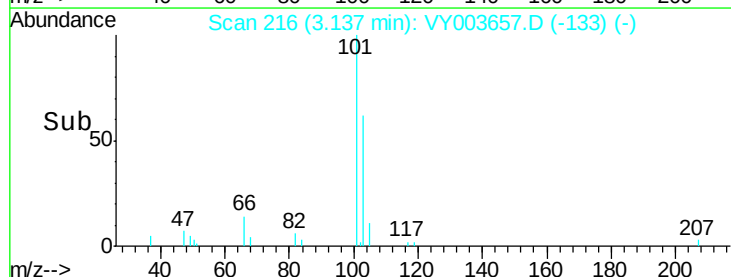
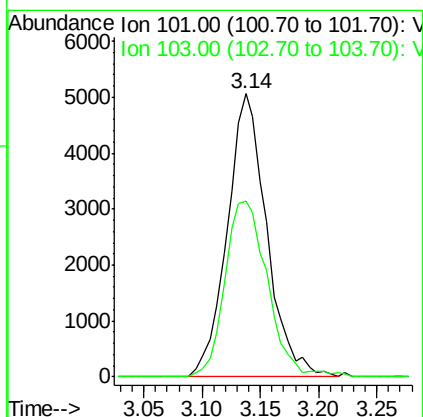
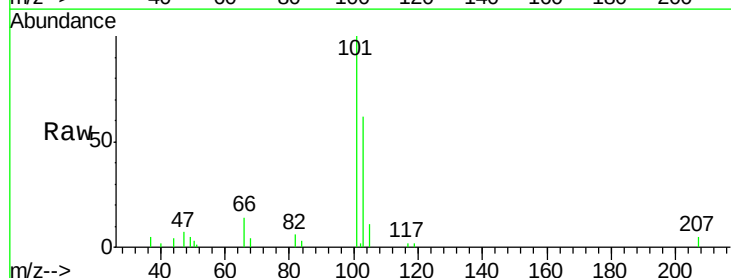
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

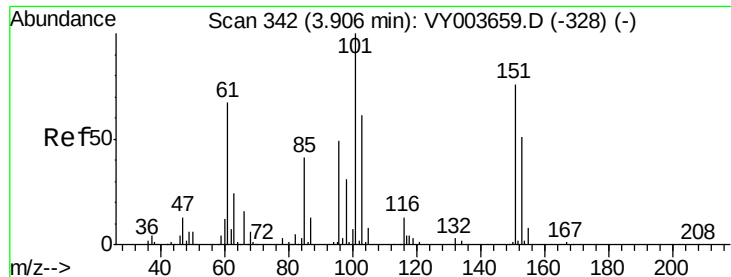
Tgt Ion: 64 Resp: 4738
 Ion Ratio Lower Upper
 64 100
 66 29.2 23.8 44.2



#9
 Trichlorofluoromethane
 Concen: 3.414 ug/L
 RT: 3.14 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

Tgt Ion: 101 Resp: 11949
 Ion Ratio Lower Upper
 101 100
 103 65.4 45.1 83.7





#11

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

Concen: 2.252 ug/L

RT: 3.91 min Scan# 342

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

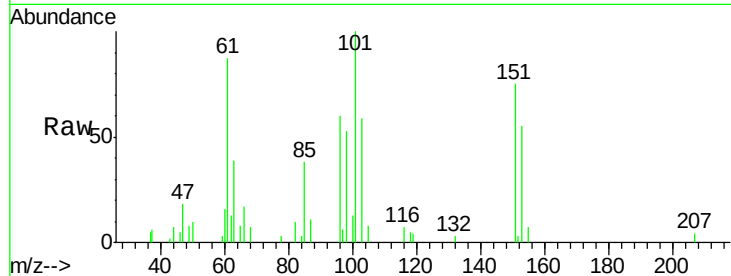
Tgt Ion:101 Resp: 7346

Ion Ratio Lower Upper

101 100

85 18.9 33.9 50.9#

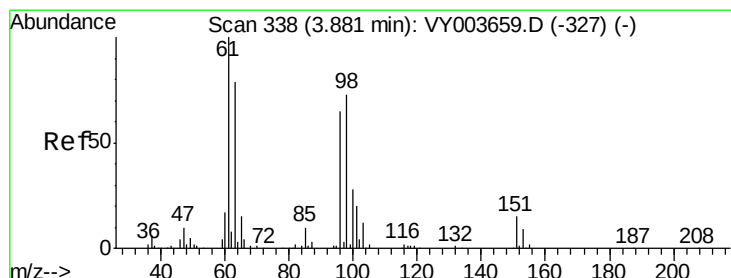
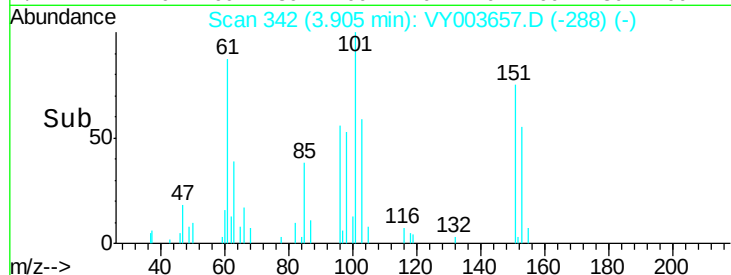
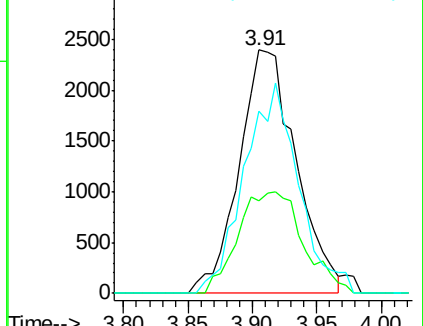
151 81.5 65.0 97.4



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: 1.932 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.01 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

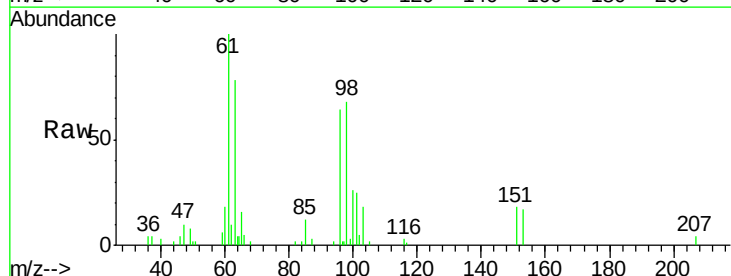
Tgt Ion: 96 Resp: 6468

Ion Ratio Lower Upper

96 100

61 155.5 108.5 201.5

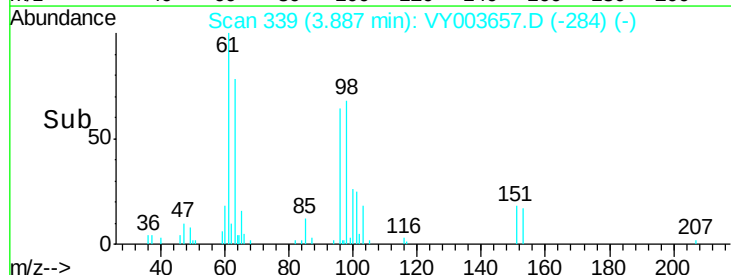
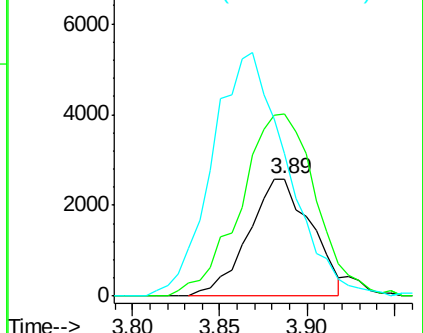
63 121.2 87.8 163.0

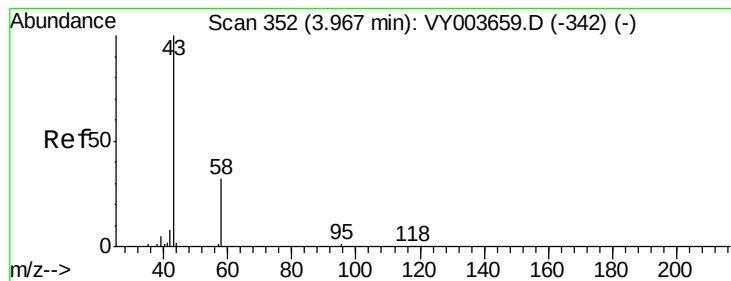


Abundance Ion 96.00 (95.70 to 96.70): VY003659.D (-327) (-)

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: 5.175 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

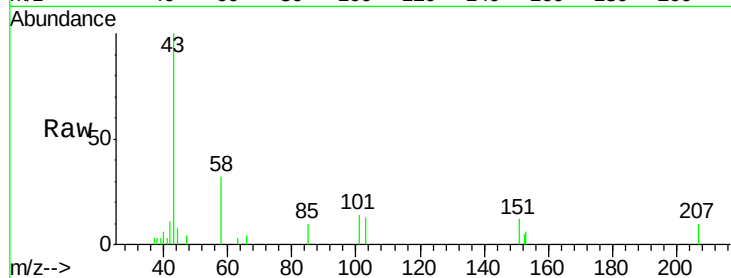
VSTD2.577

Tgt Ion: 43 Resp: 5053

Ion Ratio Lower Upper

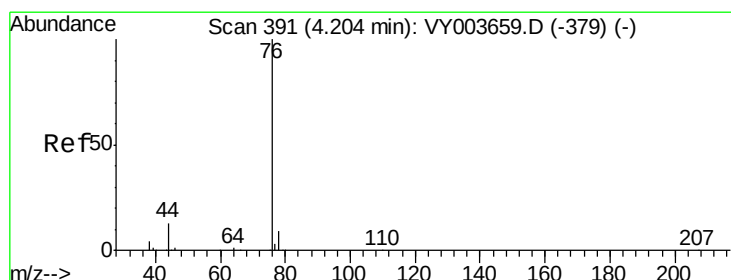
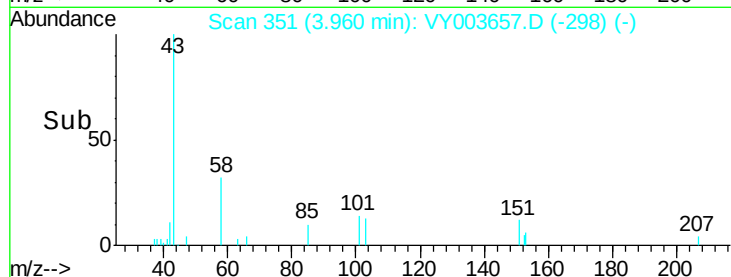
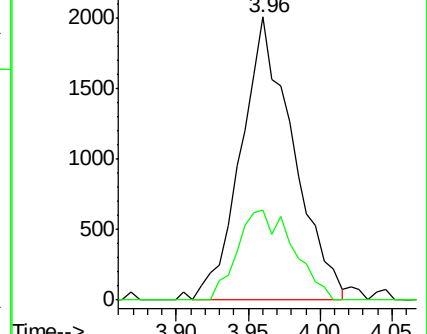
43 100

58 34.0 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003659.D (-342) (-)

Ion 58.00 (57.70 to 58.70): VY003659.D (-342) (-)



#14

Carbon disulfide

Concen: 2.093 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.01 min

Lab File: VY003657.D

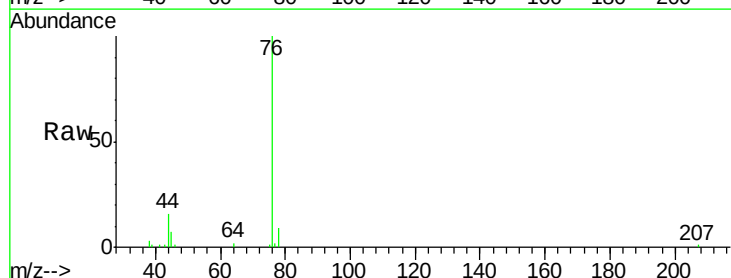
Acq: 04 Dec 2020 11:17

Tgt Ion: 76 Resp: 23126

Ion Ratio Lower Upper

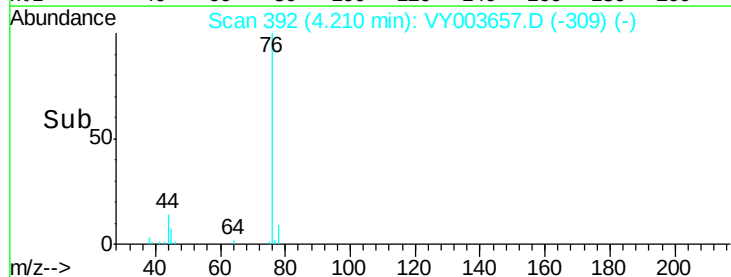
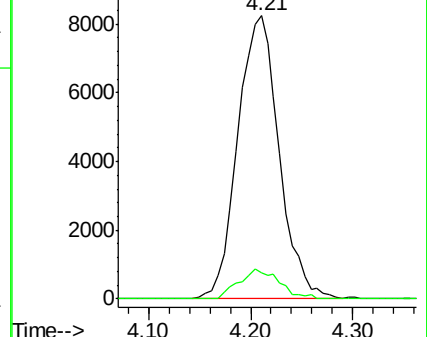
76 100

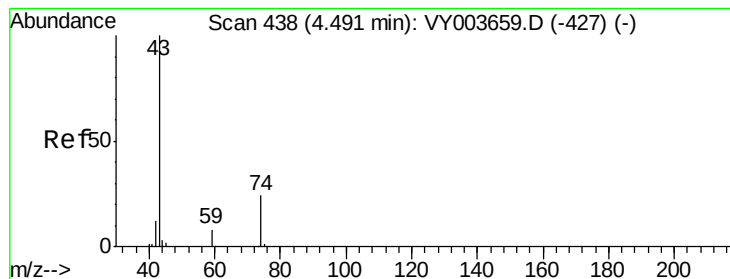
78 9.4 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY003659.D (-379) (-)

Ion 78.00 (77.70 to 78.70): VY003659.D (-379) (-)





#15

Methyl Acetate

Concen: 1.197 ug/L

RT: 4.50 min Scan# 440

Delta R.T. 0.01 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

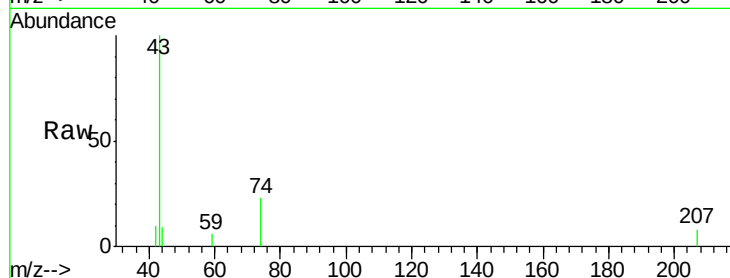
VSTD2.577

Tgt Ion: 43 Resp: 2956

Ion Ratio Lower Upper

43 100

74 20.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.50

2000

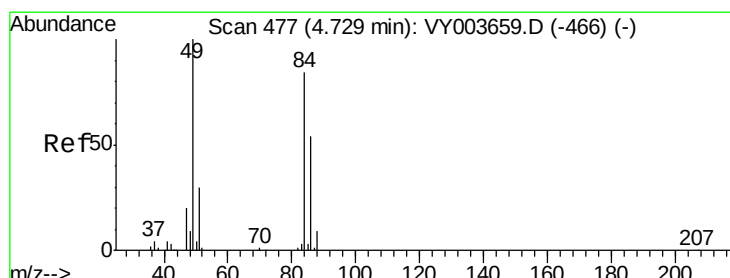
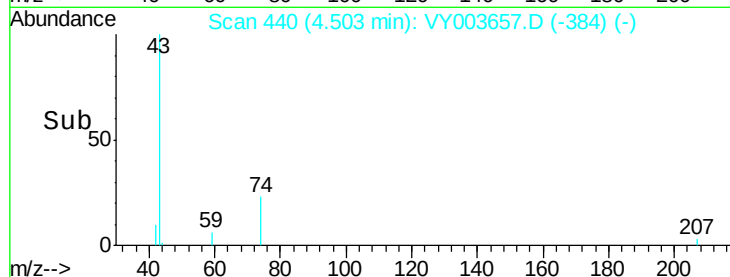
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 2.274 ug/L

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

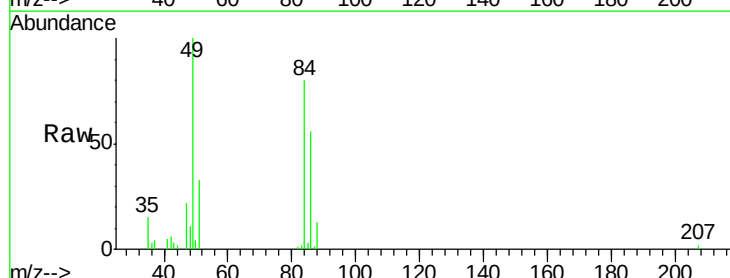
Tgt Ion: 84 Resp: 9564

Ion Ratio Lower Upper

84 100

49 124.5 83.7 155.4

86 70.2 45.0 83.6



Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

4.73

8000

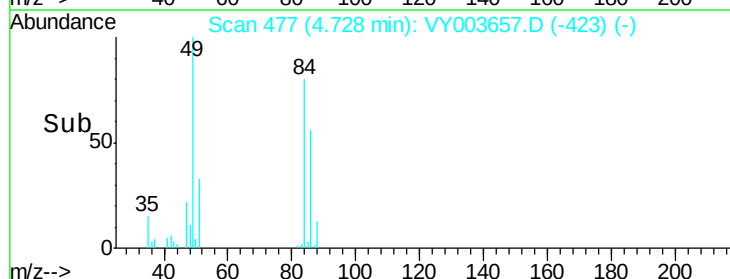
6000

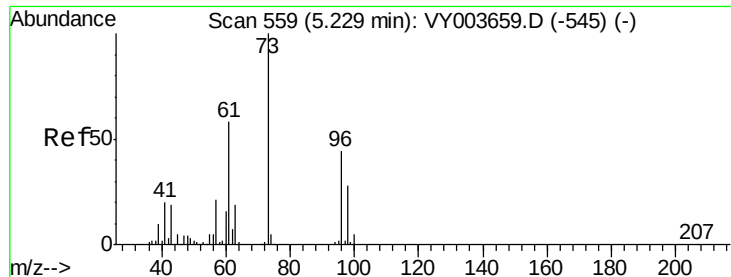
4000

2000

0

Time-->

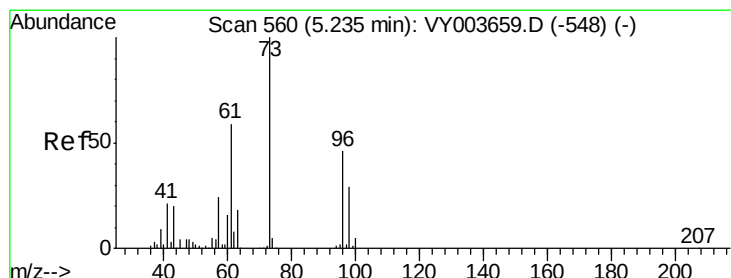
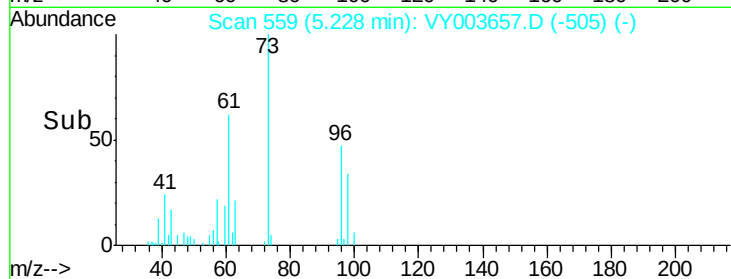
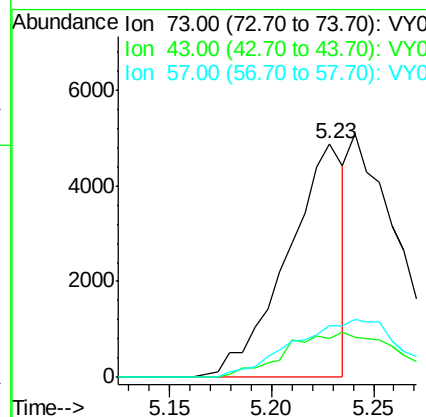
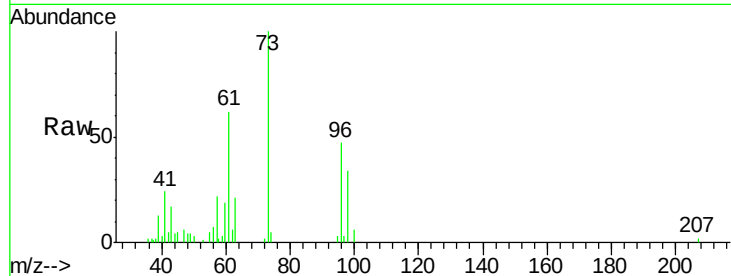




#17
Methyl tert-butyl Ether
Concen: 1.576 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.00 min
Lab File: VY003657.D
Acq: 04 Dec 2020 11:17

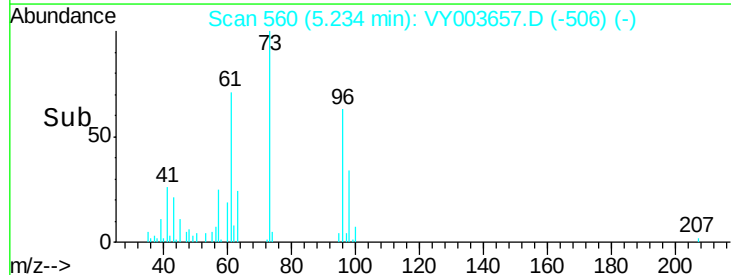
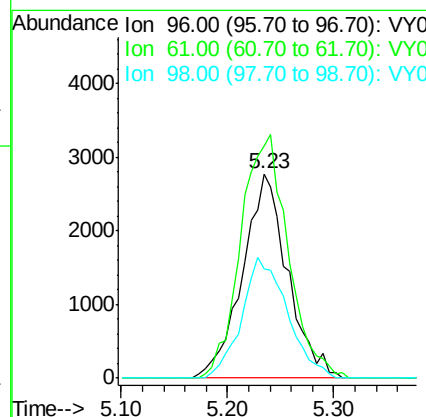
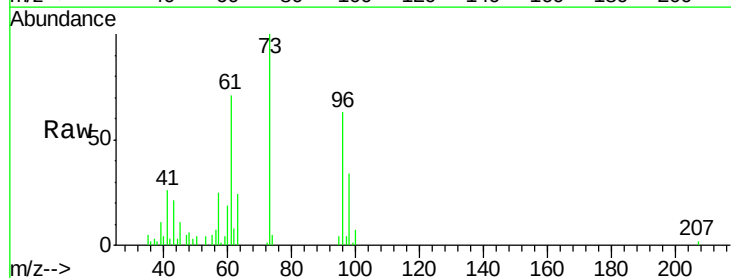
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

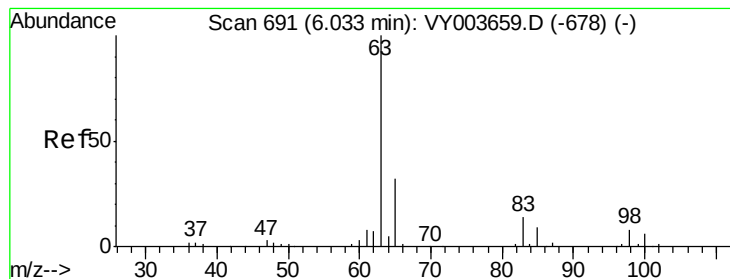
Tgt Ion: 73 Resp: 9436
Ion Ratio Lower Upper
73 100
43 10.1 14.9 22.3#
57 47.2 18.1 27.1#



#18
trans-1,2-Dichloroethene
Concen: 2.318 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003657.D
Acq: 04 Dec 2020 11:17

Tgt Ion: 96 Resp: 8233
Ion Ratio Lower Upper
96 100
61 113.5 90.8 168.6
98 53.5 44.2 82.0





#19

1,1-Dichloroethane

Concen: 2.242 ug/L

RT: 6.03 min Scan# 691

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

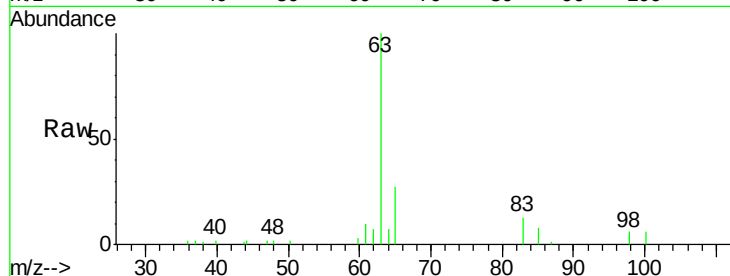
Tgt Ion: 63 Resp: 13396

Ion Ratio Lower Upper

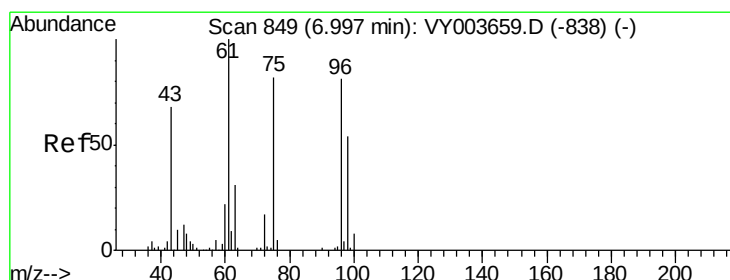
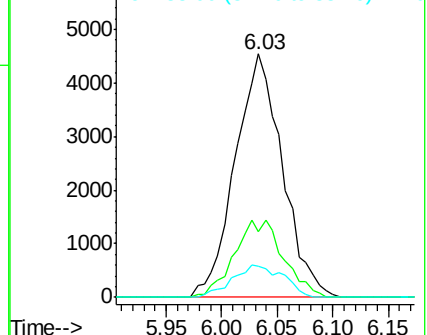
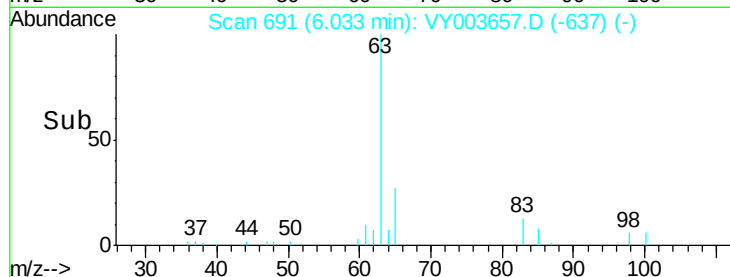
63 100

65 26.9 22.7 42.1

83 13.0 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VY003657.D (-637) (-)



#21

2-Butanone

Concen: 5.492 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003657.D

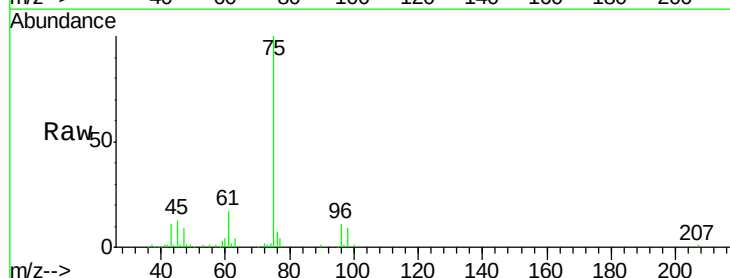
Acq: 04 Dec 2020 11:17

Tgt Ion: 43 Resp: 9014

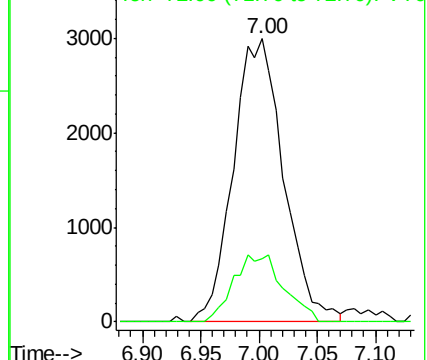
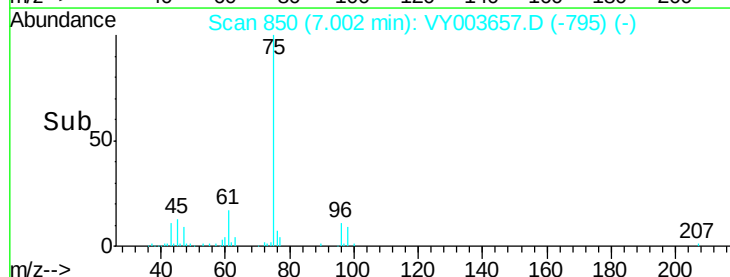
Ion Ratio Lower Upper

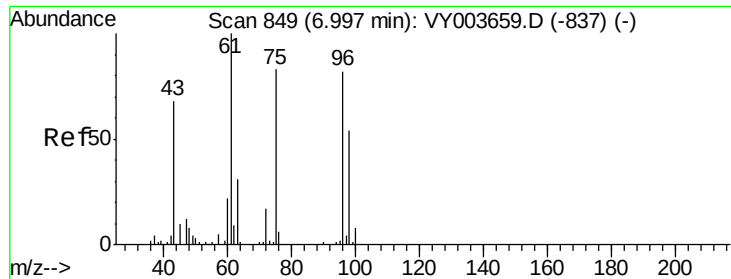
43 100

72 12.0 13.3 39.9#



Abundance Ion 43.00 (42.70 to 43.70): VY003657.D (-795) (-)



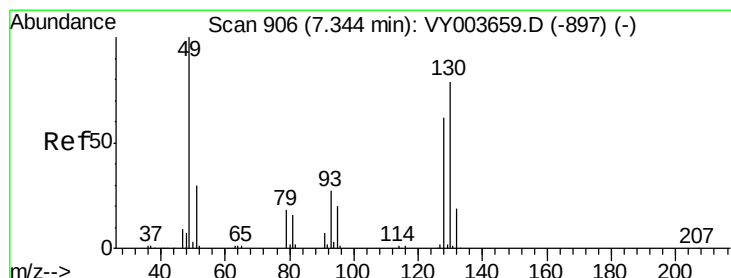
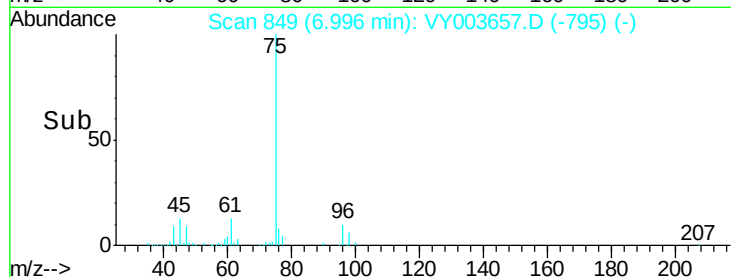
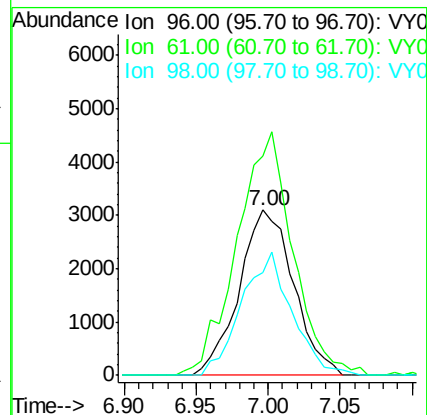
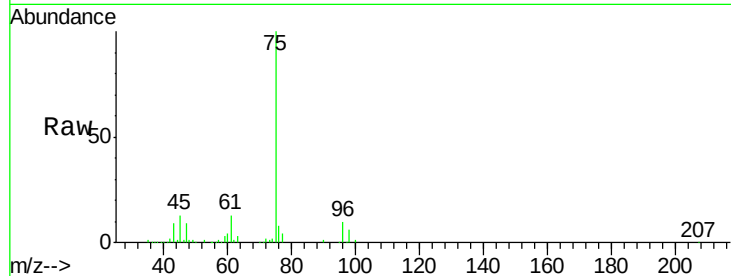


#22

cis-1,2-Dichloroethene
Concen: 2.220 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.00 min
Lab File: VY003657.D
Acq: 04 Dec 2020 11:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

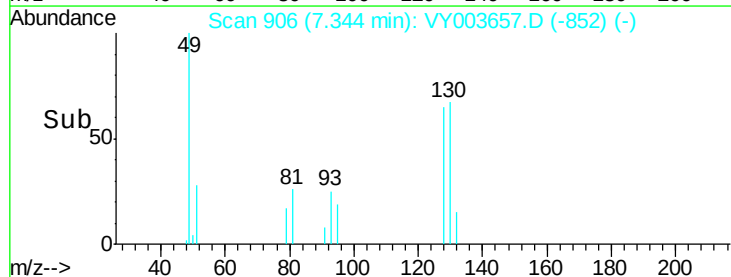
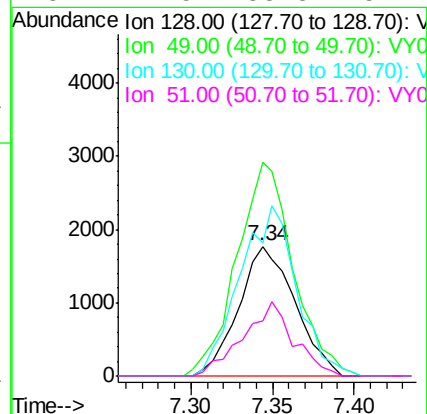
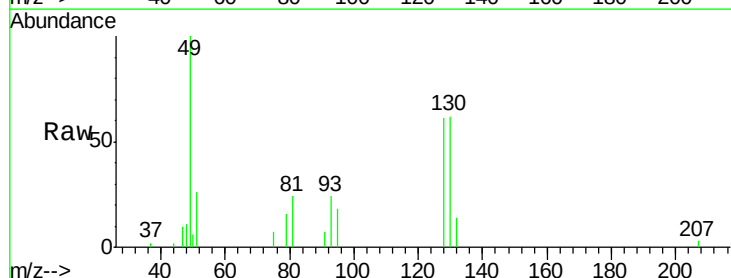
Tgt Ion: 96 Resp: 8144
Ion Ratio Lower Upper
96 100
61 132.5 85.8 159.4
98 62.2 46.5 86.3

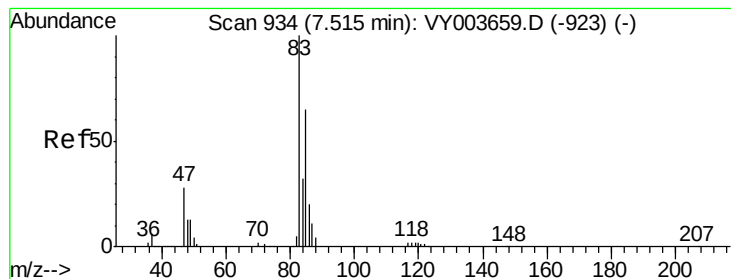


#23

Bromochloromethane
Concen: 2.381 ug/L
RT: 7.34 min Scan# 906
Delta R.T. -0.00 min
Lab File: VY003657.D
Acq: 04 Dec 2020 11:17

Tgt Ion: 128 Resp: 4251
Ion Ratio Lower Upper
128 100
49 164.9 113.8 211.3
130 102.8 89.7 166.5
51 42.5 38.5 57.7





#25

Chloroform

Concen: 2.248 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

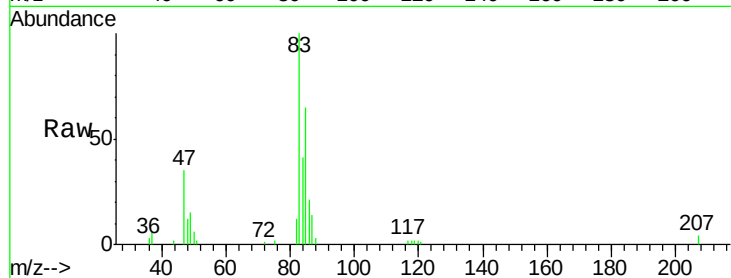
VSTD2.577

Tgt Ion: 83 Resp: 13435

Ion Ratio Lower Upper

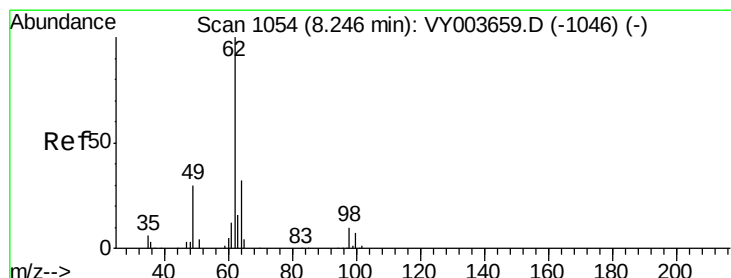
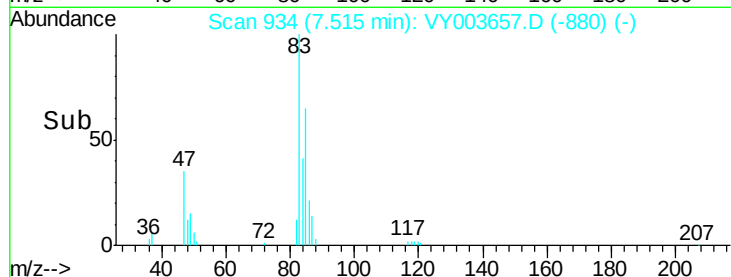
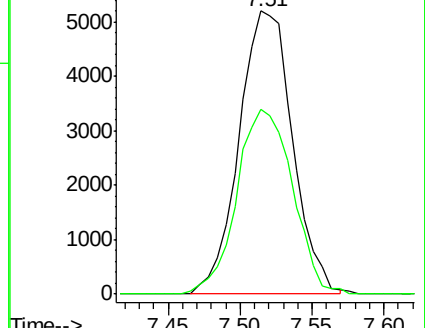
83 100

85 67.9 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VY003659.D (-923) (-)

Ion 85.00 (84.70 to 85.70): VY003659.D (-923) (-)



#27

1,2-Dichloroethane

Concen: 2.257 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003657.D

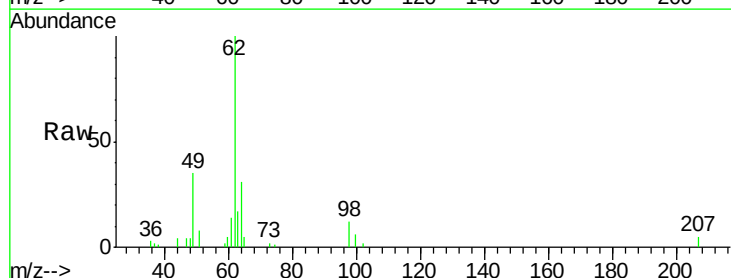
Acq: 04 Dec 2020 11:17

Tgt Ion: 62 Resp: 9129

Ion Ratio Lower Upper

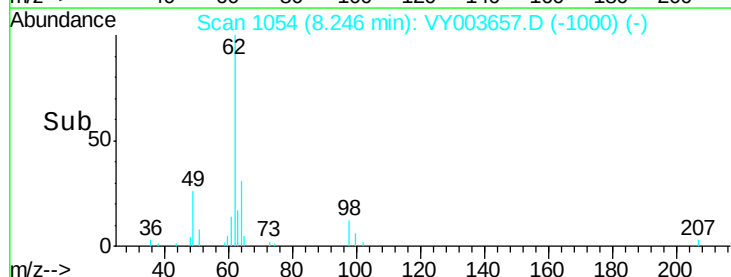
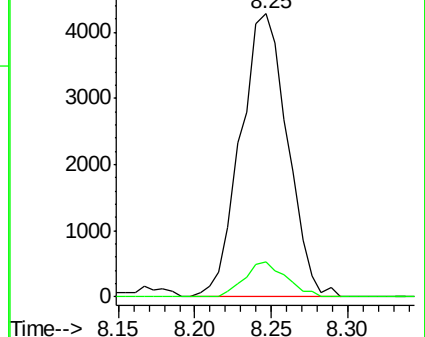
62 100

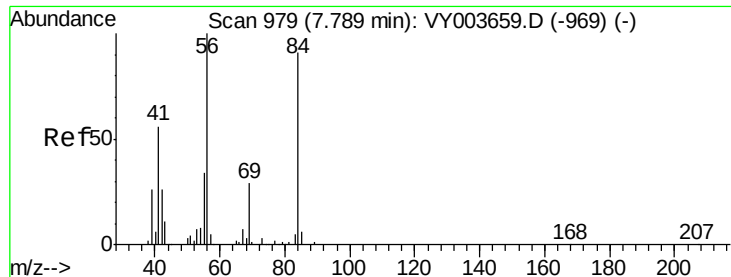
98 12.4 8.0 12.0#



Abundance Ion 62.00 (61.70 to 62.70): VY003659.D (-1046) (-)

Ion 98.00 (97.70 to 98.70): VY003659.D (-1046) (-)

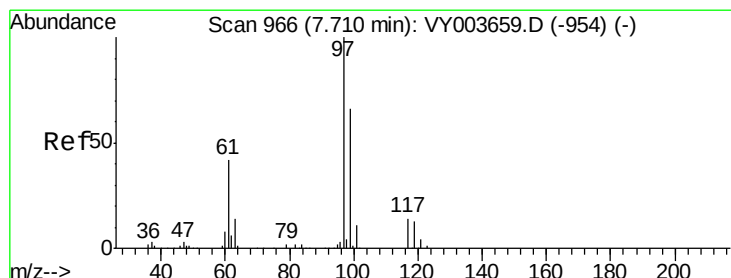
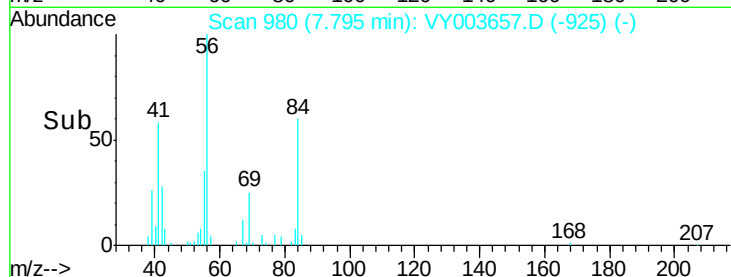
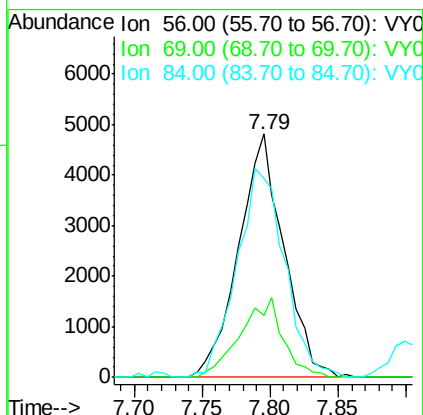
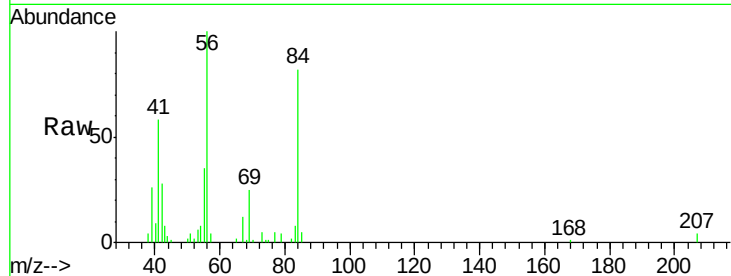




#30
Cyclohexane
Concen: 2.024 ug/L
RT: 7.79 min Scan# 980
Delta R.T. 0.01 min
Lab File: VY003657.D
Acq: 04 Dec 2020 11:17

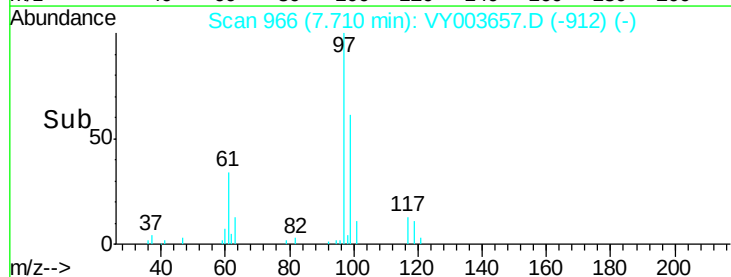
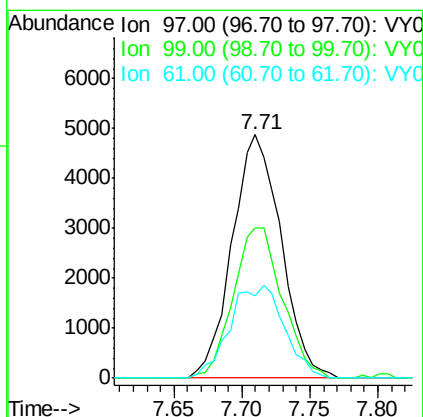
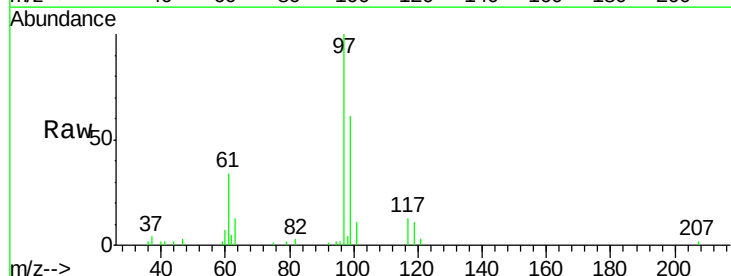
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

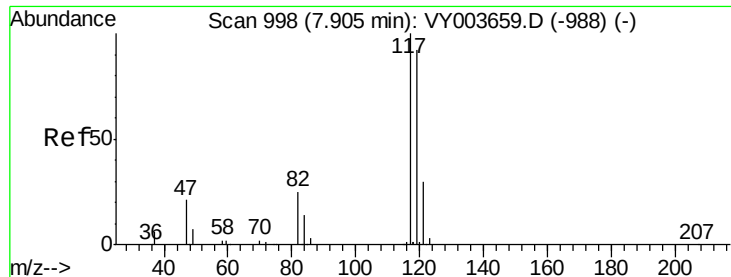
Tgt Ion: 56 Resp: 11178
Ion Ratio Lower Upper
56 100
69 30.8 23.8 35.8
84 90.5 73.2 109.8



#31
1,1,1-Trichloroethane
Concen: 2.430 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.00 min
Lab File: VY003657.D
Acq: 04 Dec 2020 11:17

Tgt Ion: 97 Resp: 12243
Ion Ratio Lower Upper
97 100
99 61.9 51.4 77.0
61 22.3 34.0 51.0#





#32

Carbon tetrachloride

Concen: 2.276 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

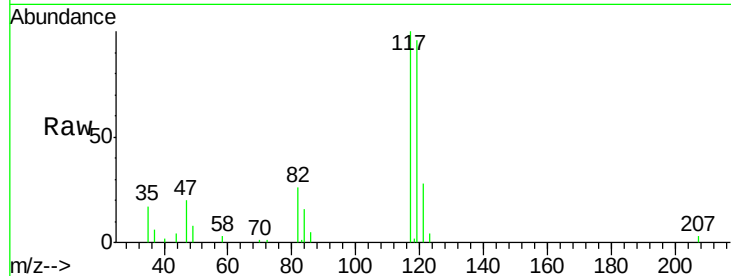
VSTD2.577

Tgt Ion:117 Resp: 10794

Ion Ratio Lower Upper

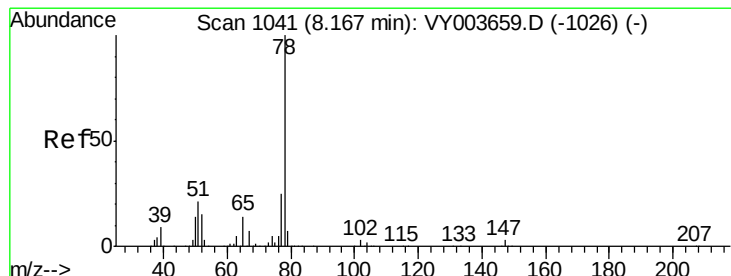
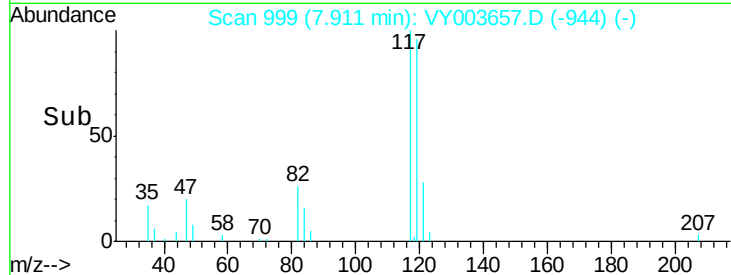
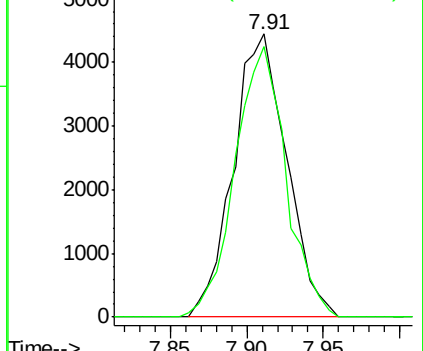
117 100

119 91.2 75.4 113.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.306 ug/L

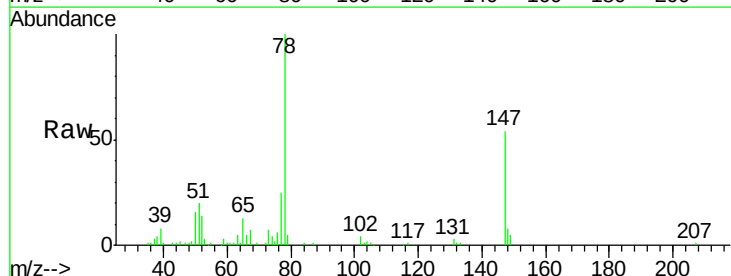
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

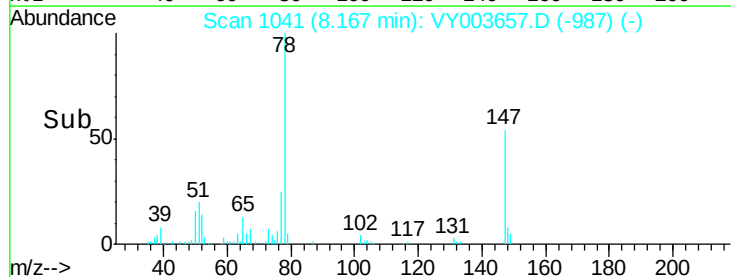
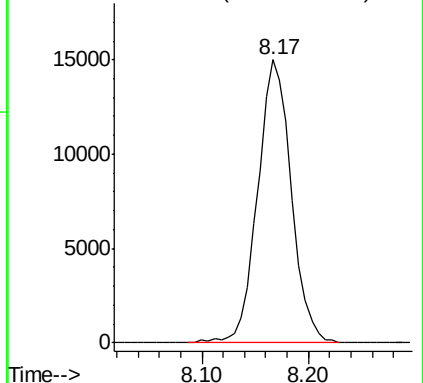
Lab File: VY003657.D

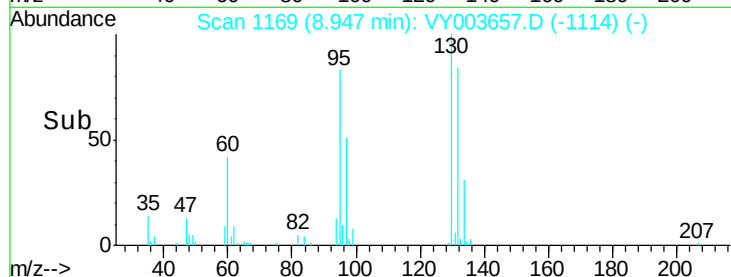
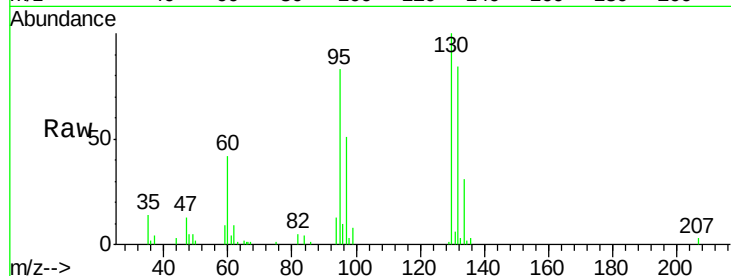
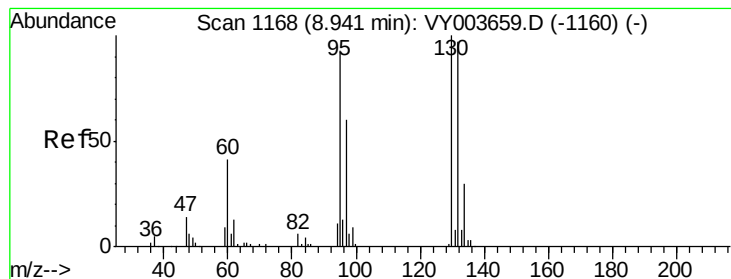
Acq: 04 Dec 2020 11:17

Tgt Ion: 78 Resp: 33225



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 2.455 ug/L

RT: 8.95 min Scan# 1169

Delta R.T. 0.01 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

Tgt Ion: 95 Resp: 9092

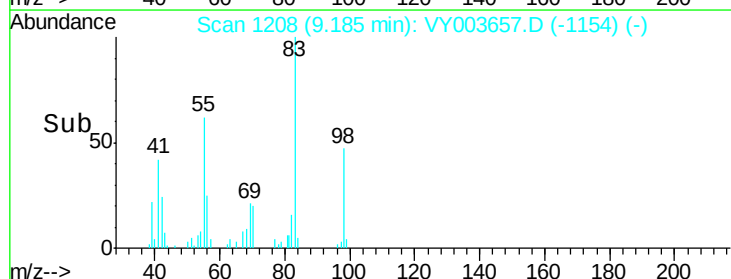
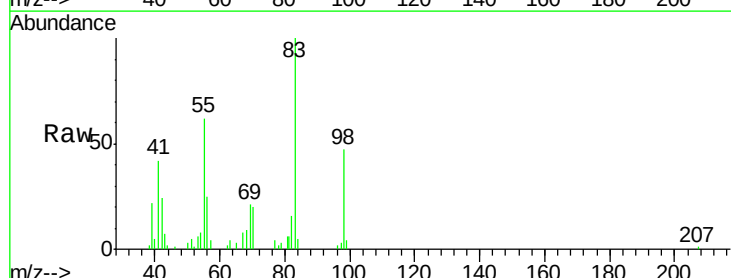
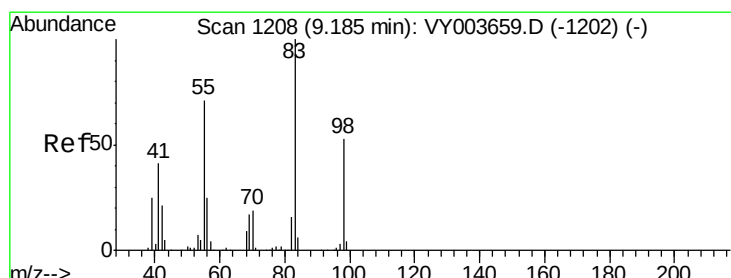
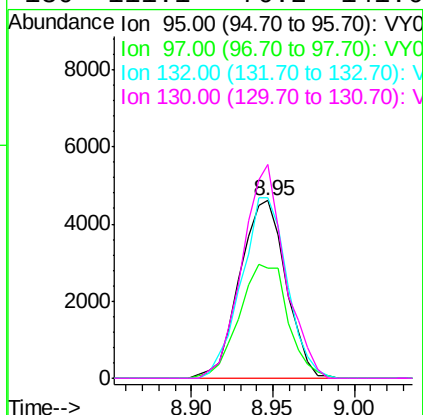
Ion Ratio Lower Upper

95 100

97 67.8 45.8 85.0

132 100.5 74.2 137.8

130 111.1 76.2 141.6



#36

Methylcyclohexane

Concen: 2.209 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

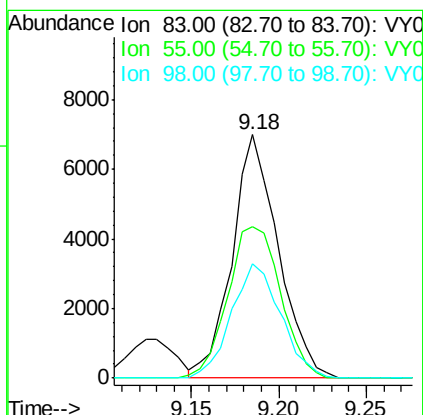
Tgt Ion: 83 Resp: 12816

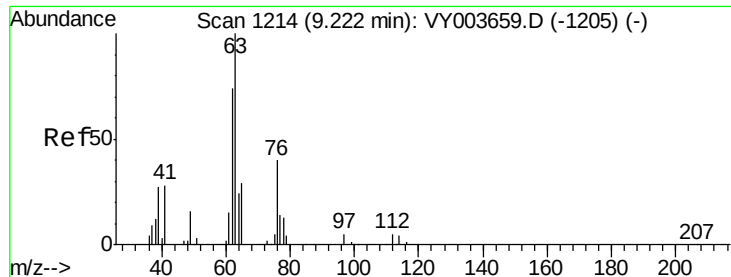
Ion Ratio Lower Upper

83 100

55 71.5 56.4 84.6

98 50.2 40.3 60.5

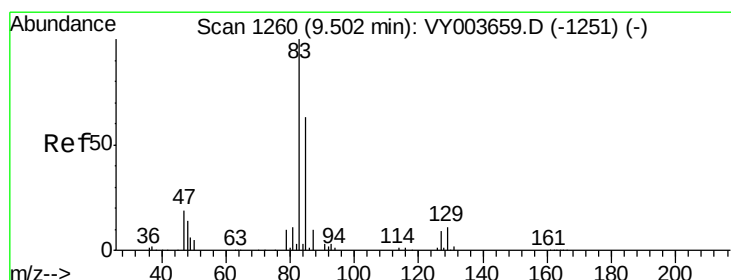
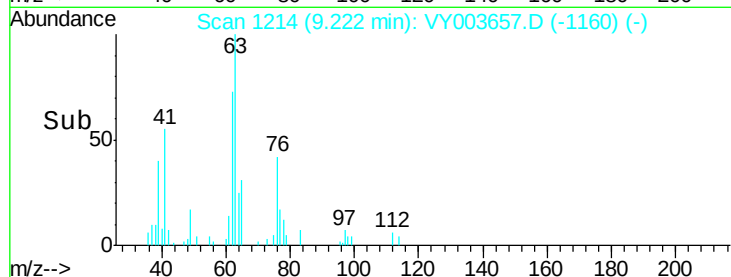
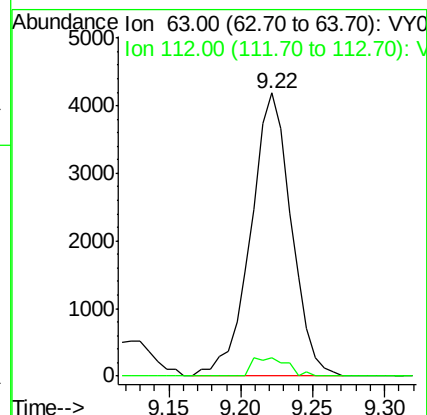
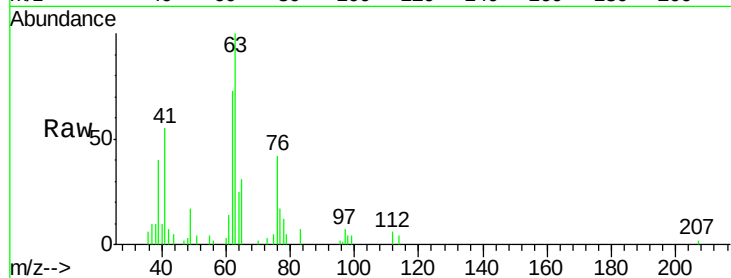




#40
 1,2-Dichloropropane
 Concen: 2.288 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

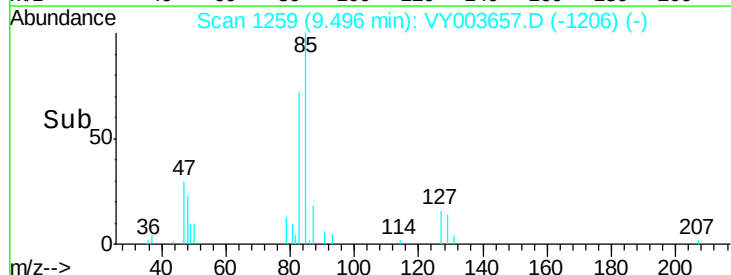
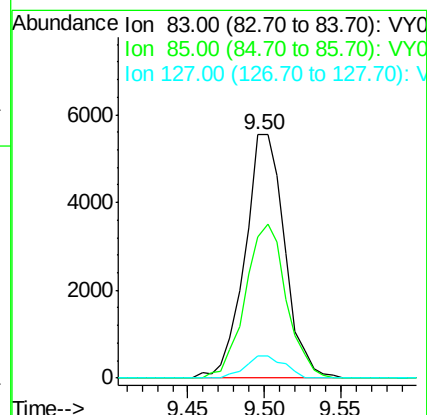
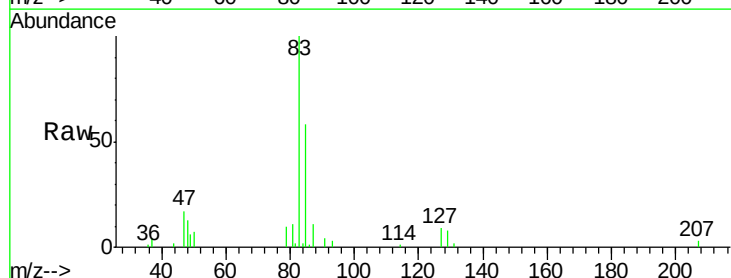
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

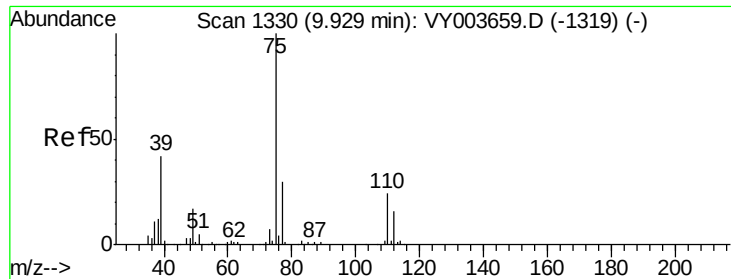
Tgt Ion: 63 Resp: 8158
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.7 5.5



#41
 Bromodichloromethane
 Concen: 2.211 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

Tgt Ion: 83 Resp: 10034
 Ion Ratio Lower Upper
 83 100
 85 57.9 44.0 81.6
 127 9.0 7.2 10.8



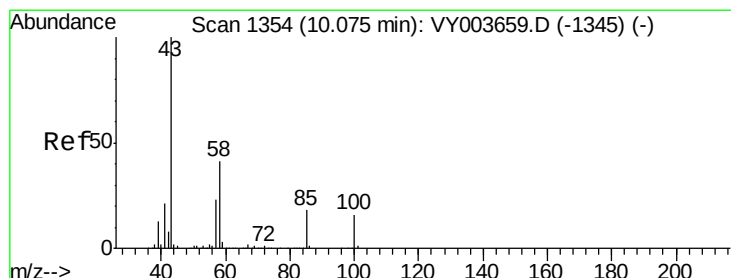
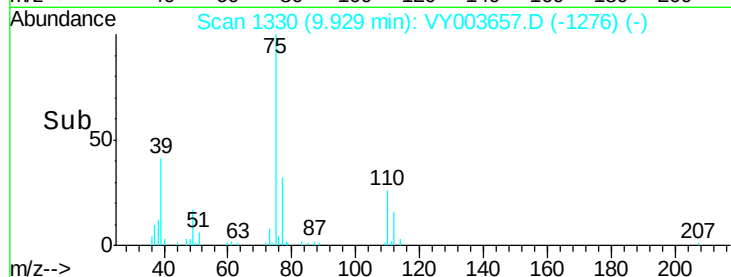
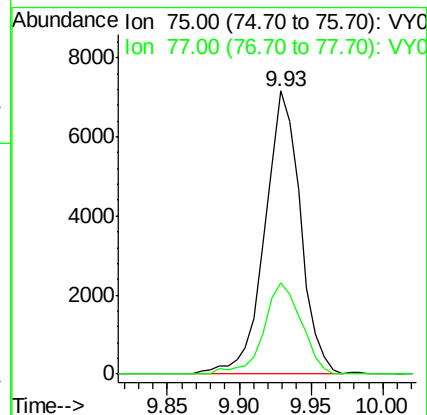
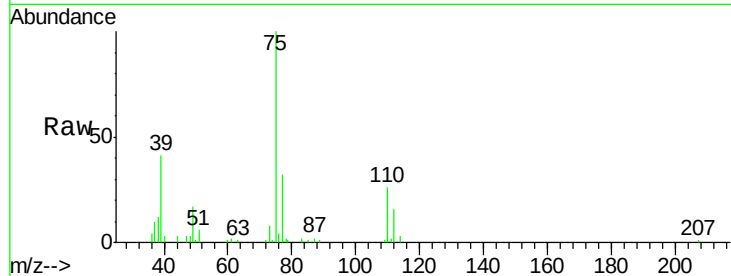


#42

cis-1,3-Dichloropropene
Concen: 2.187 ug/L
RT: 9.93 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VY003657.D
Acq: 04 Dec 2020 11:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

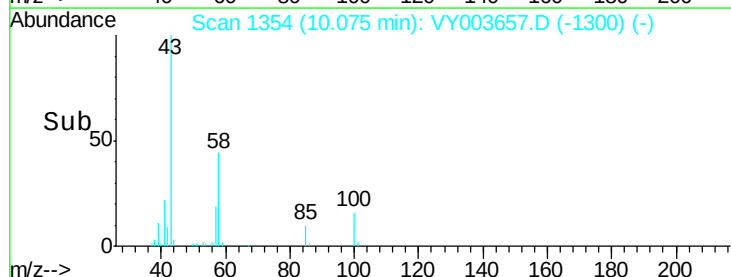
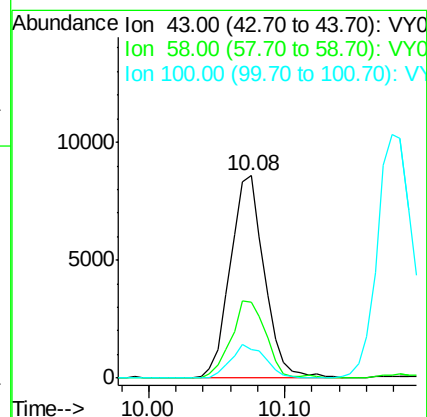
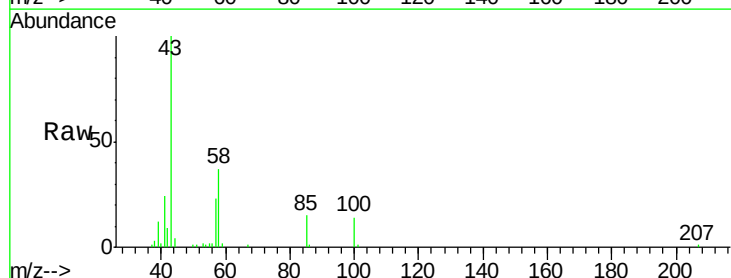
Tgt Ion: 75 Resp: 12269
Ion Ratio Lower Upper
75 100
77 32.2 21.3 39.6

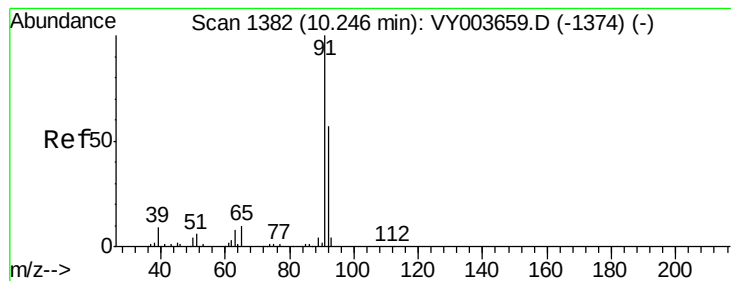


#43

4-Methyl-2-pentanone
Concen: 4.925 ug/L
RT: 10.08 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VY003657.D
Acq: 04 Dec 2020 11:17

Tgt Ion: 43 Resp: 15003
Ion Ratio Lower Upper
43 100
58 38.5 31.5 47.3
100 16.4 12.7 19.1





#44

Toluene

Concen: 2.162 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

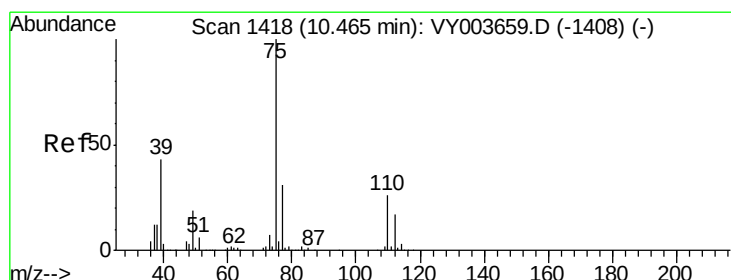
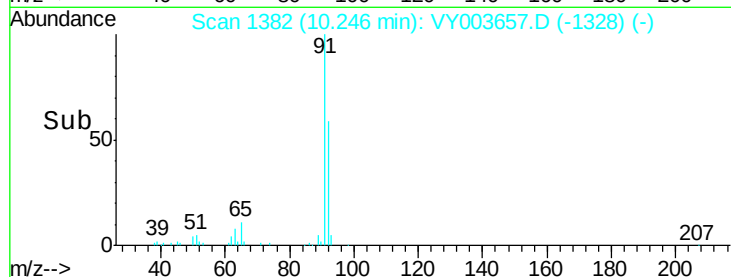
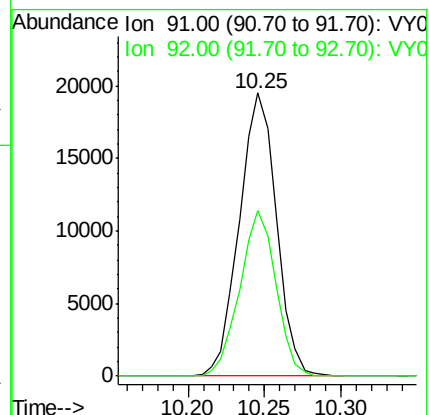
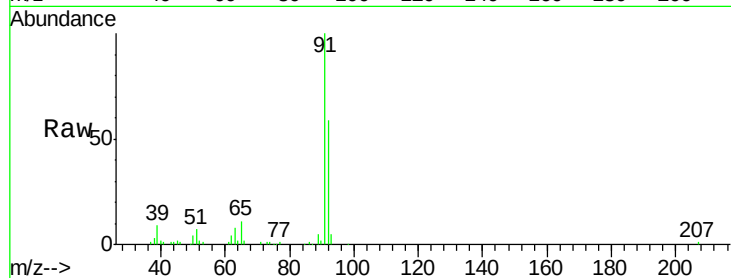
VSTD2.577

Tgt Ion: 91 Resp: 32882

Ion Ratio Lower Upper

91 100

92 58.7 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 2.090 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003657.D

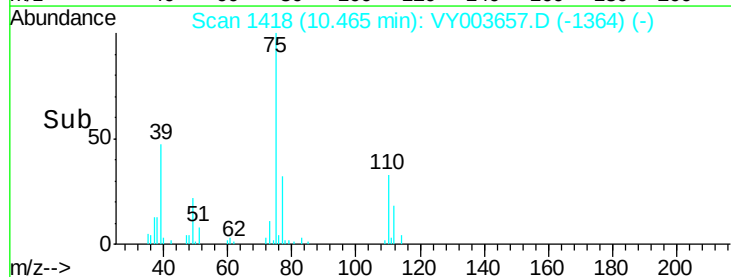
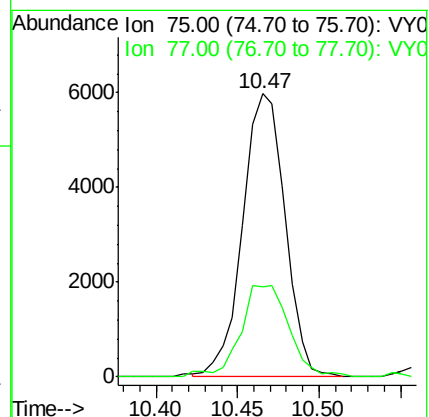
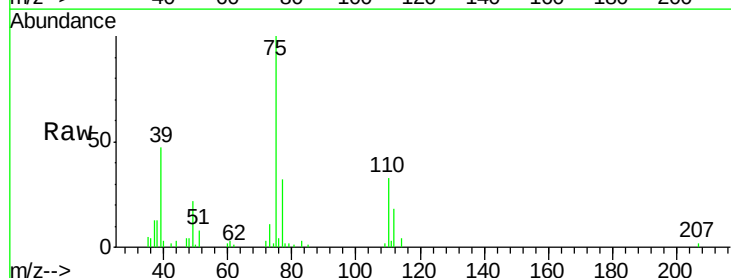
Acq: 04 Dec 2020 11:17

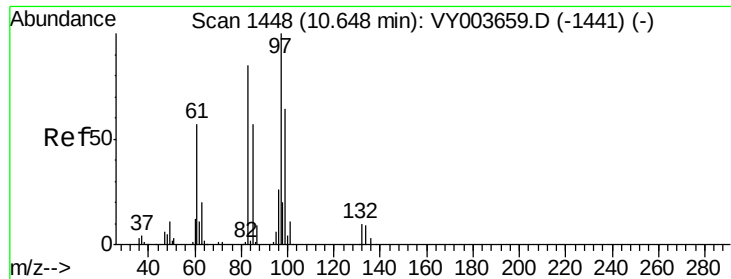
Tgt Ion: 75 Resp: 10853

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8

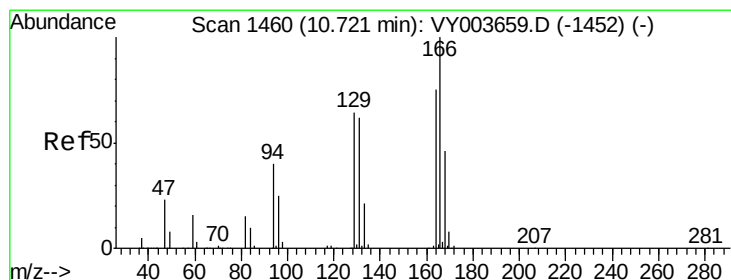
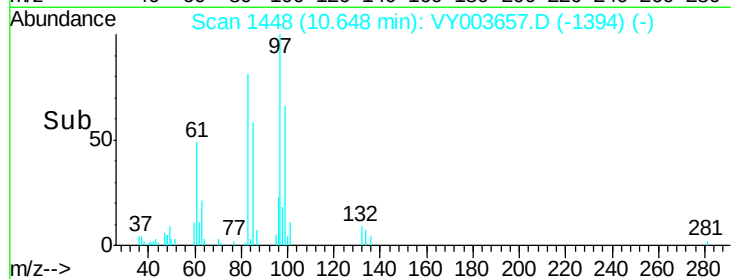
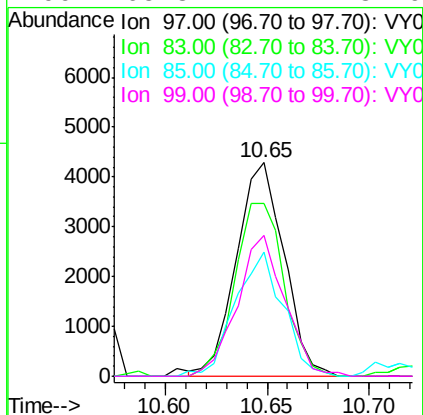
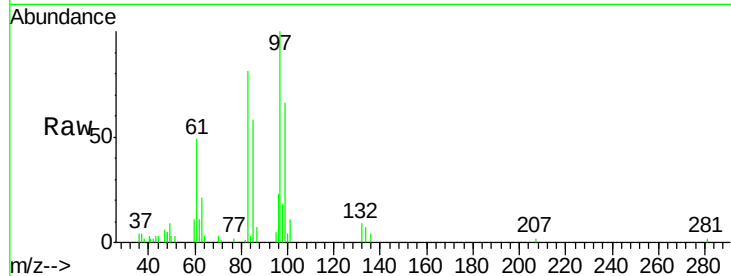




#46
 1,1,2-Trichloroethane
 Concen: 2.414 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

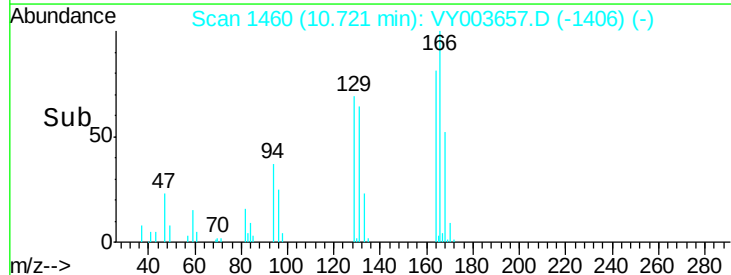
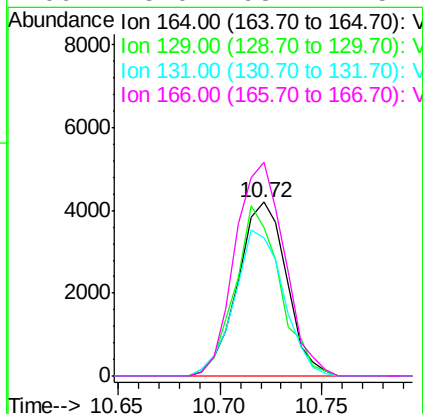
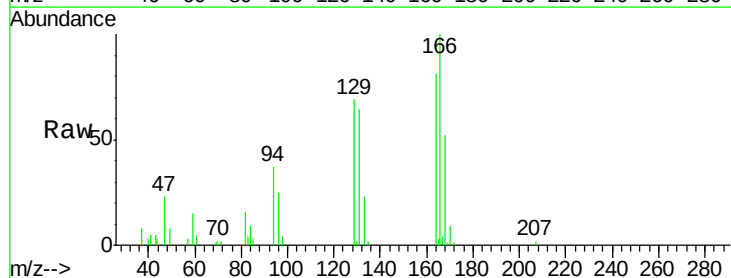
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

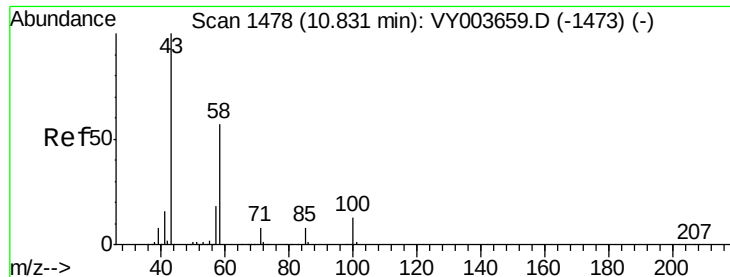
Tgt Ion:	97	Resp:	6965
Ion	Ratio	Lower	Upper
97	100		
83	80.7	59.6	110.8
85	58.3	40.2	74.6
99	65.8	44.7	82.9



#47
 Tetrachloroethene
 Concen: 2.225 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

Tgt Ion:	164	Resp:	6982
Ion	Ratio	Lower	Upper
164	100		
129	85.4	59.6	110.6
131	79.3	57.9	107.5
166	123.0	93.2	173.2





#49

2-Hexanone

Concen: 3.952 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

Tgt Ion: 43 Resp: 9319

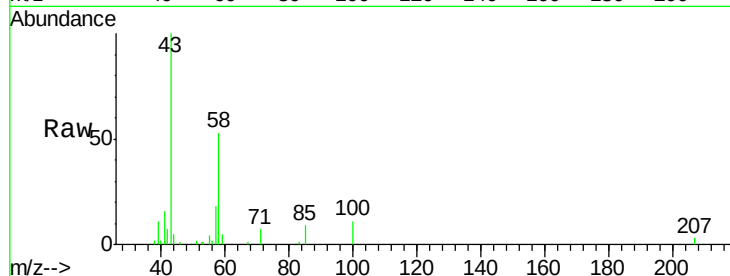
Ion Ratio Lower Upper

43 100

58 53.0 44.8 67.2

57 19.4 14.8 22.2

100 12.5 9.9 14.9

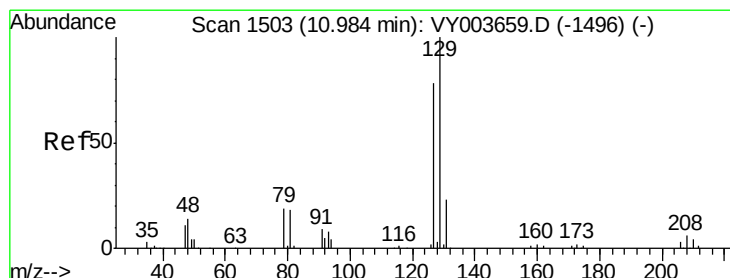
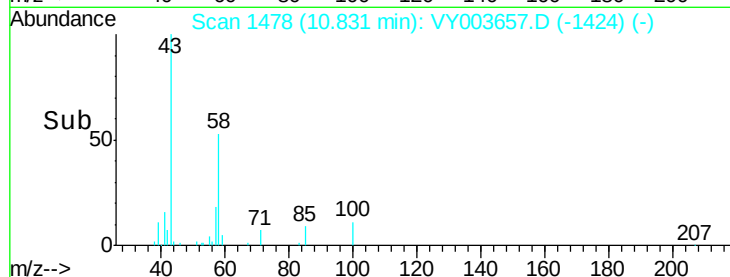
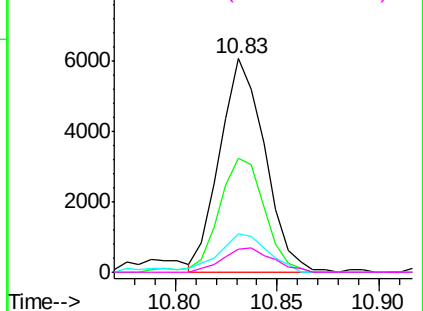


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#50

Dibromochloromethane

Concen: 2.326 ug/L

RT: 10.98 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VY003657.D

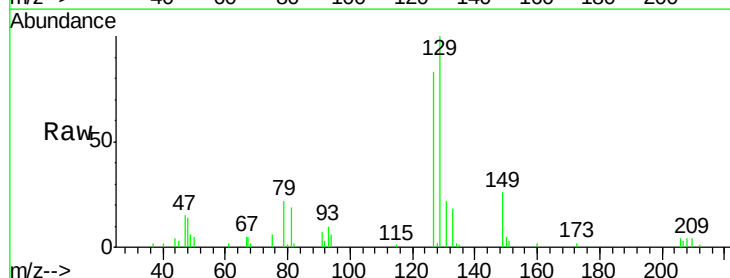
Acq: 04 Dec 2020 11:17

Tgt Ion: 129 Resp: 8071

Ion Ratio Lower Upper

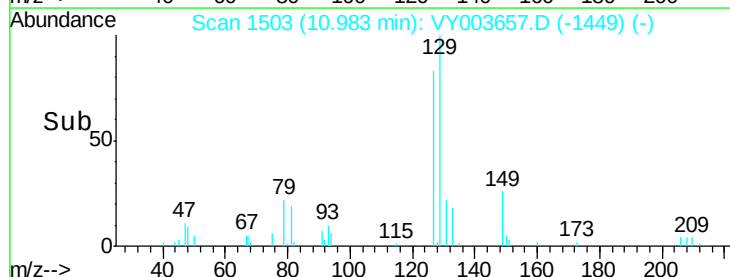
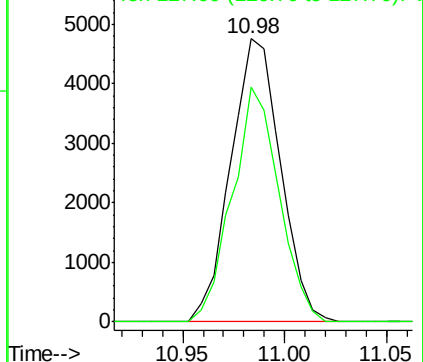
129 100

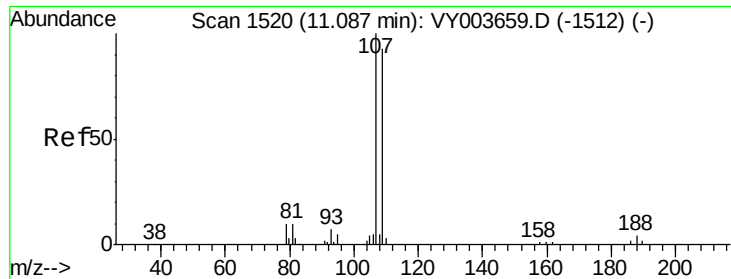
127 83.0 54.8 101.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

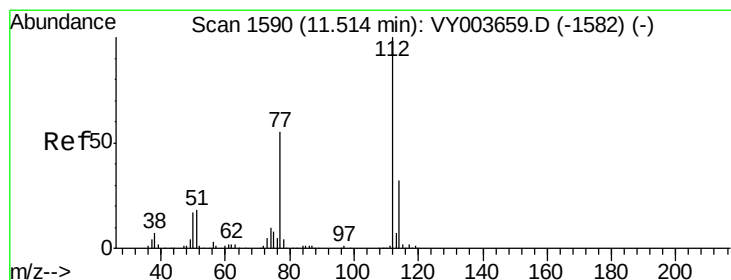
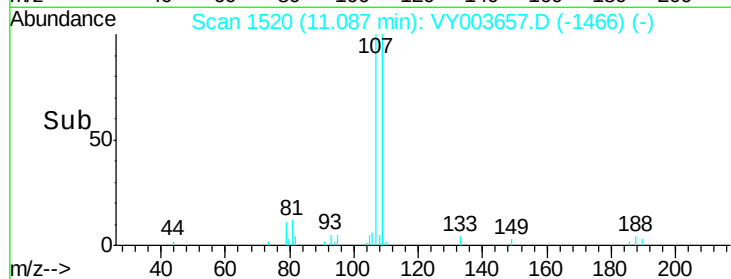
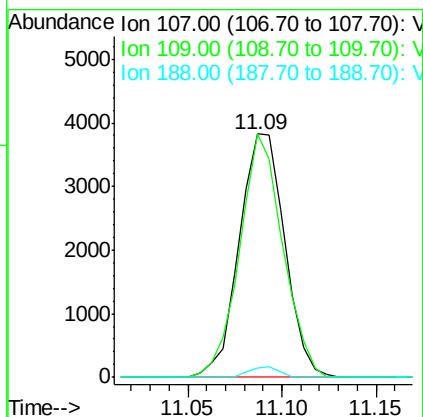
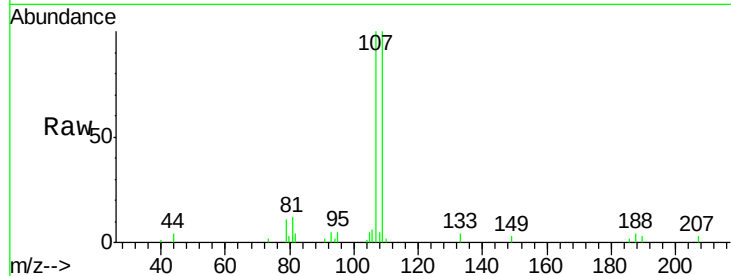




#51
 1,2-Dibromoethane
 Concen: 2.239 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

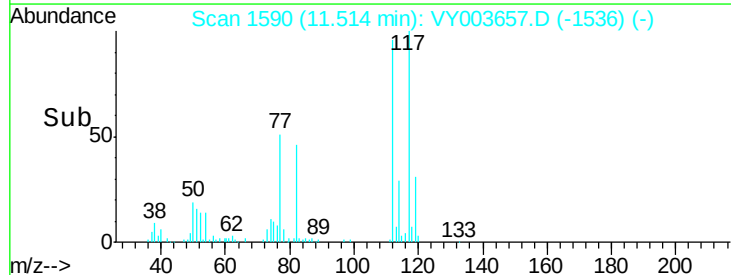
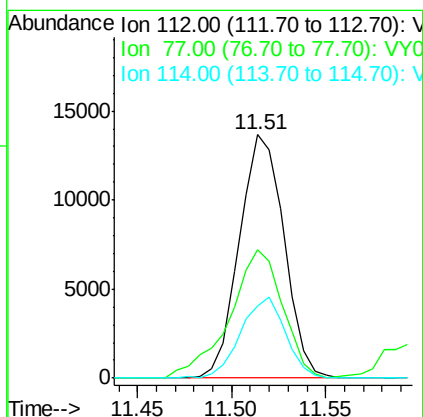
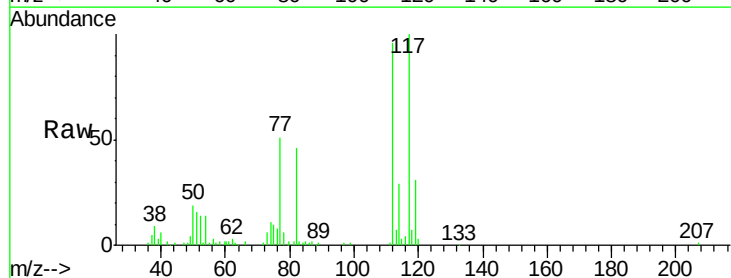
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

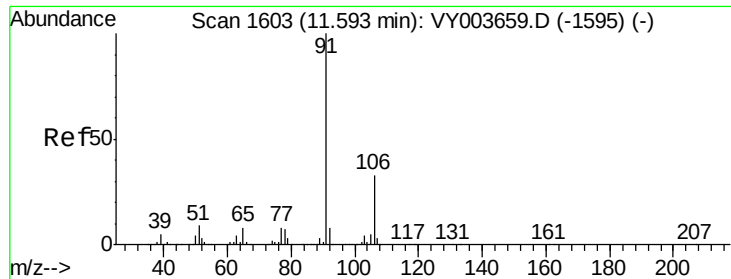
Tgt Ion:107 Resp: 6413
 Ion Ratio Lower Upper
 107 100
 109 100.2 65.2 121.0
 188 3.6 3.0 4.6



#52
 Chlorobenzene
 Concen: 2.305 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

Tgt Ion:112 Resp: 22481
 Ion Ratio Lower Upper
 112 100
 77 52.7 44.4 66.6
 114 29.7 22.4 41.6

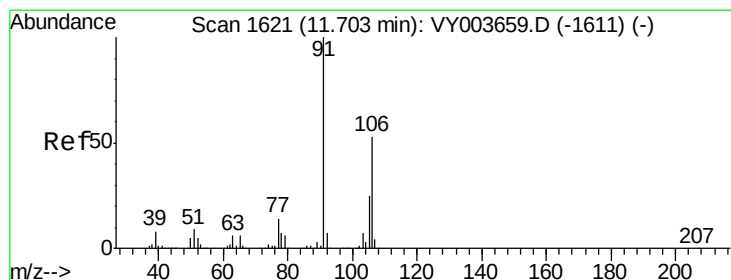
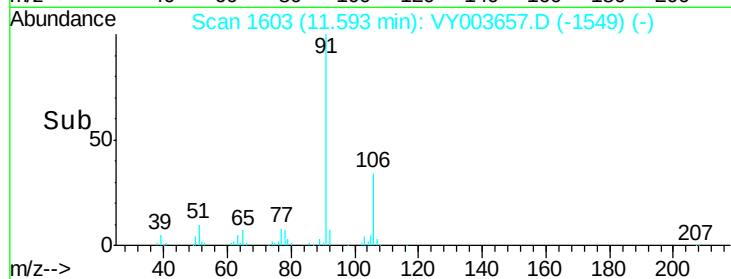
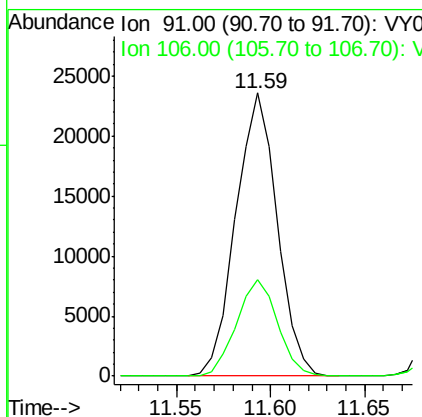
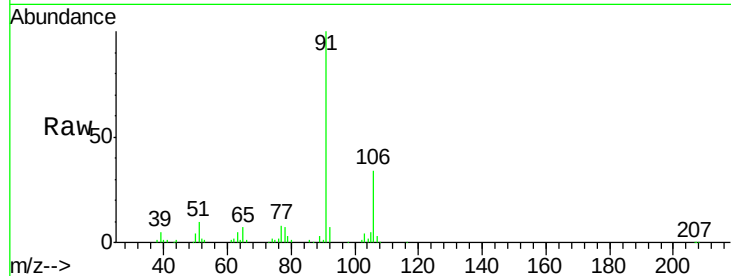




#53
Ethylbenzene
Concen: 2.285 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY003657.D
Acq: 04 Dec 2020 11:17

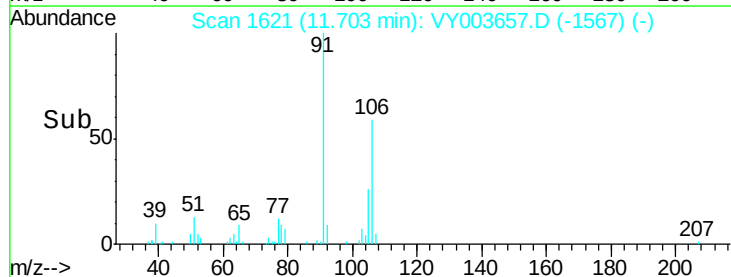
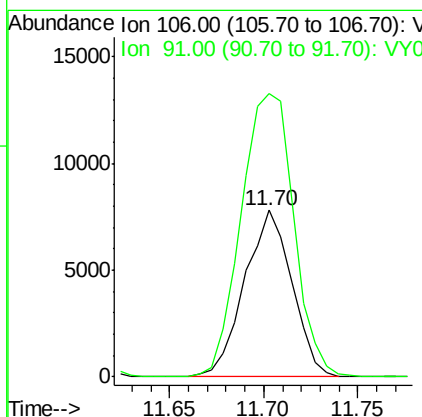
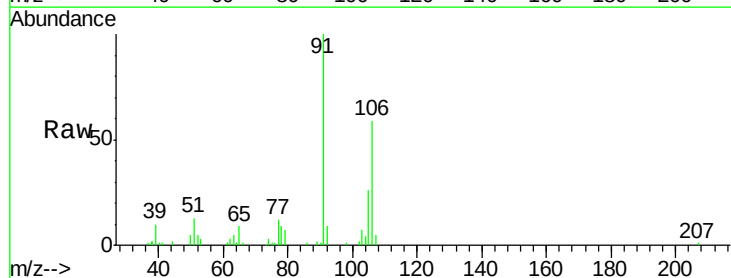
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

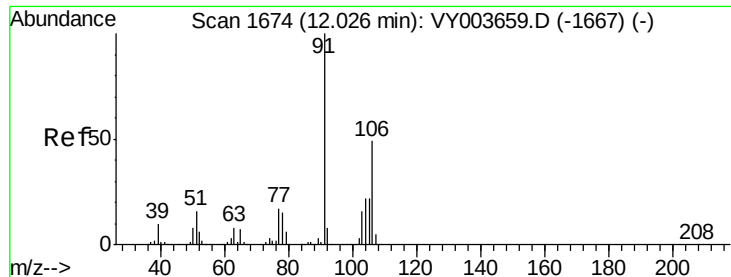
Tgt Ion: 91 Resp: 35909
Ion Ratio Lower Upper
91 100
106 33.9 23.3 43.3



#54
m,p-Xylene
Concen: 2.236 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VY003657.D
Acq: 04 Dec 2020 11:17

Tgt Ion: 106 Resp: 13599
Ion Ratio Lower Upper
106 100
91 169.8 131.3 243.9





#55

o-xylene

Concen: 2.501 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

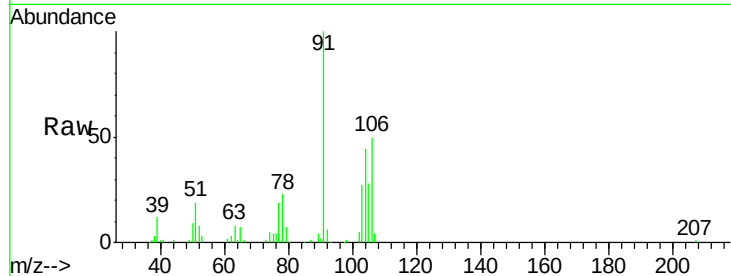
VSTD2.577

Tgt Ion:106 Resp: 12996

Ion Ratio Lower Upper

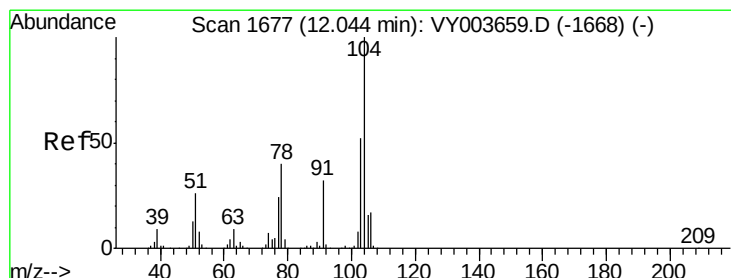
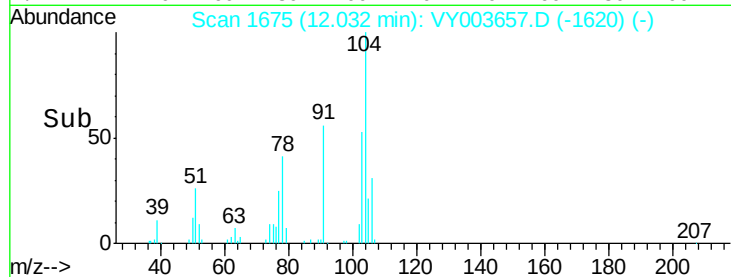
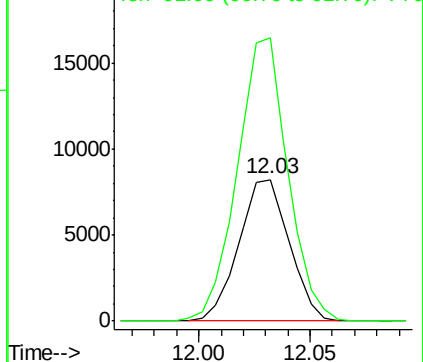
106 100

91 200.0 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 2.149 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003657.D

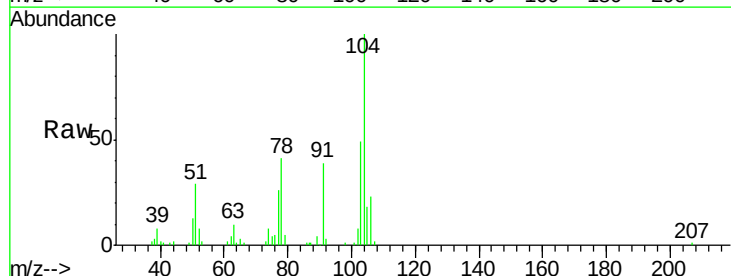
Acq: 04 Dec 2020 11:17

Tgt Ion:104 Resp: 21356

Ion Ratio Lower Upper

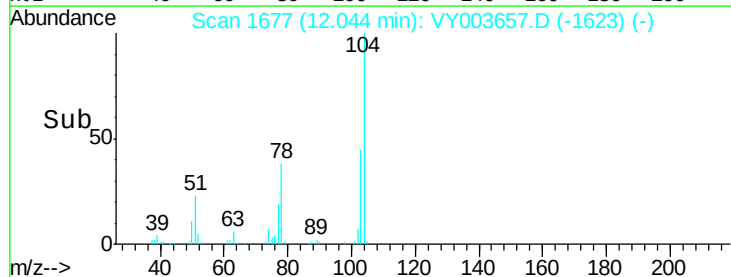
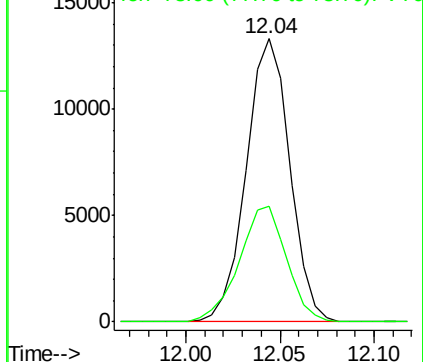
104 100

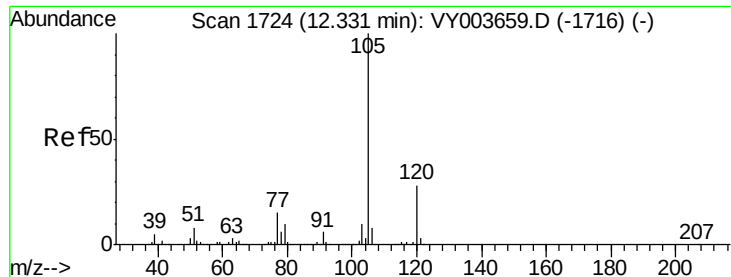
78 40.7 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 2.718 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

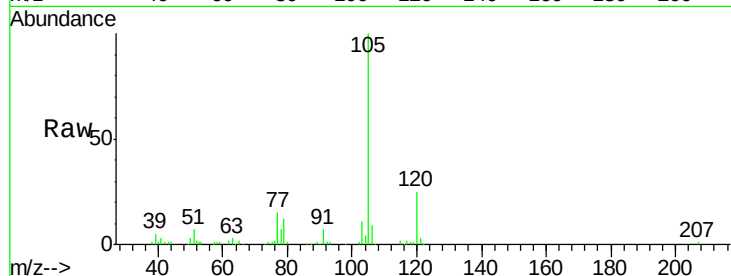
Tgt Ion: 105 Resp: 33131

Ion Ratio Lower Upper

105 100

120 27.4 22.3 33.5

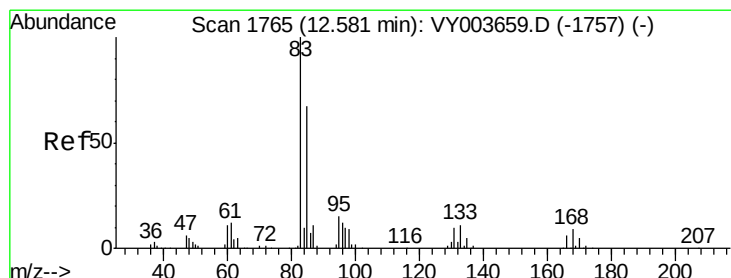
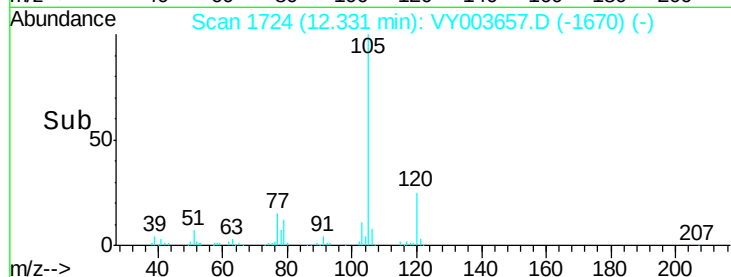
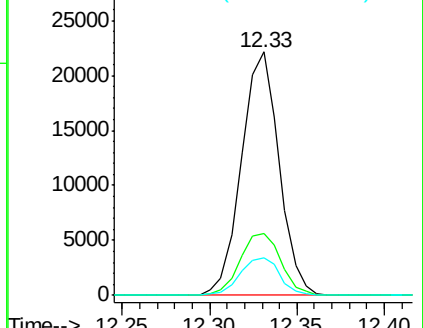
77 16.4 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.136 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

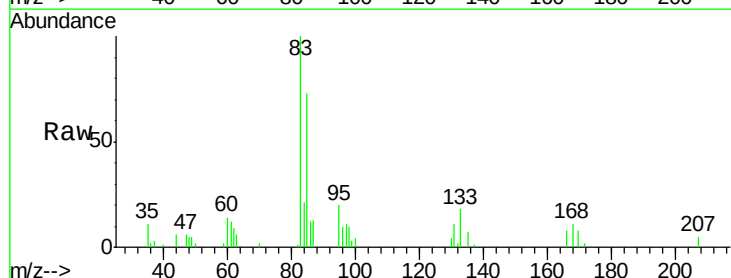
Tgt Ion: 83 Resp: 7159

Ion Ratio Lower Upper

83 100

85 73.4 47.2 87.6

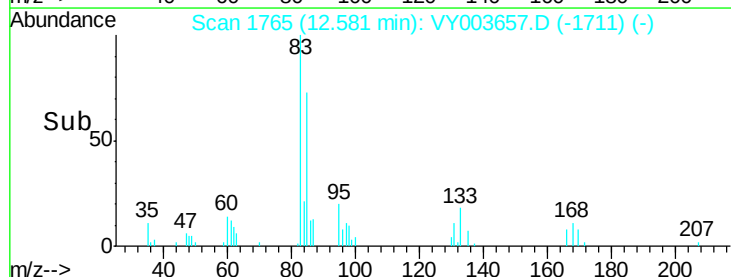
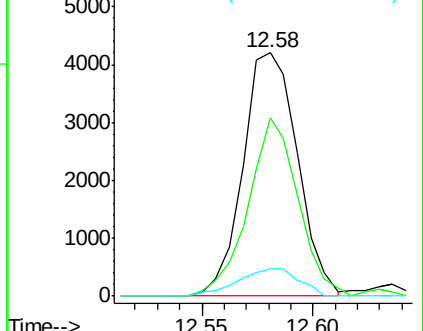
131 11.0 8.4 12.6

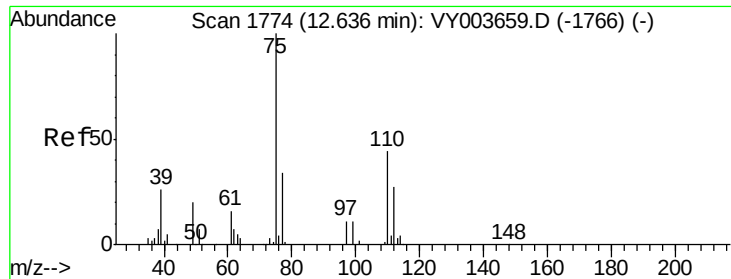


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V

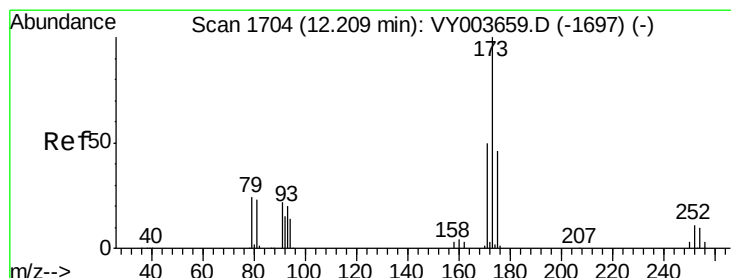
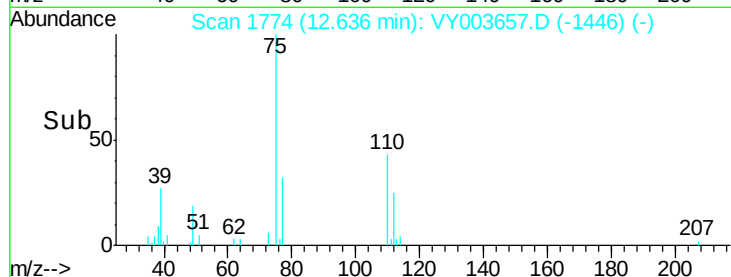
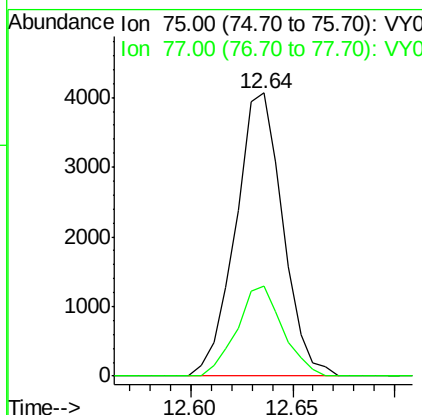
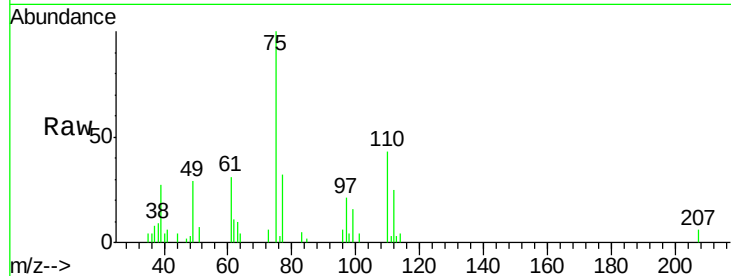




#59
 1,2,3-Trichloropropane
 Concen: 2.428 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

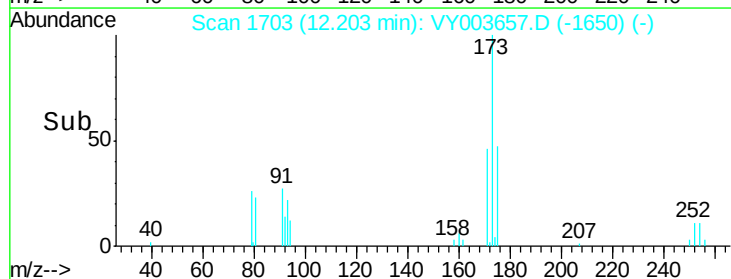
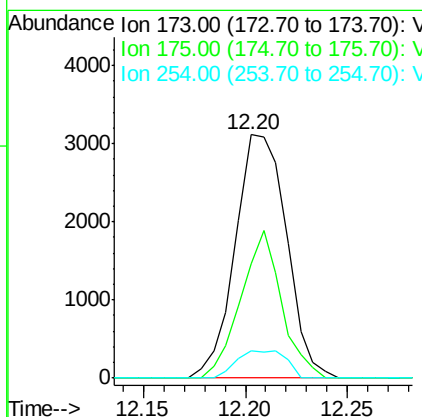
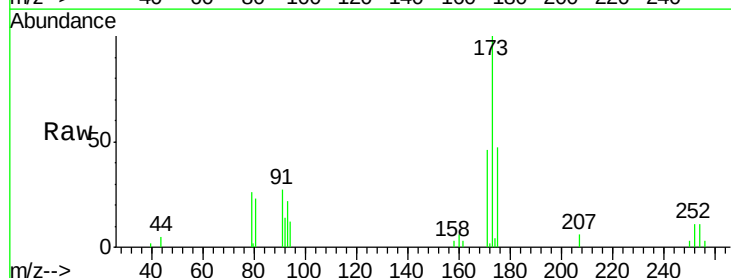
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

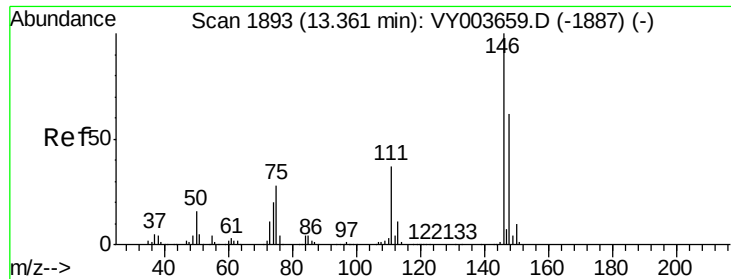
Tgt Ion: 75 Resp: 6523
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.9 38.9



#62
 Bromoform
 Concen: 2.247 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

Tgt Ion: 173 Resp: 5445
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.1 58.7
 254 10.8 7.7 11.5

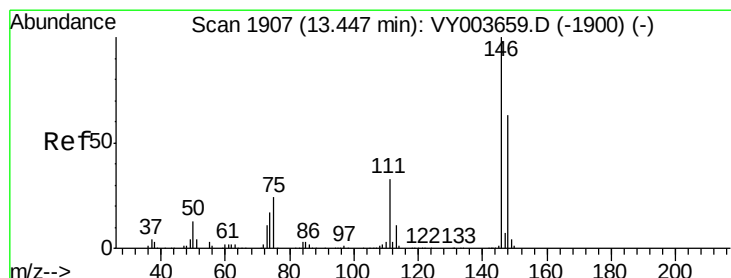
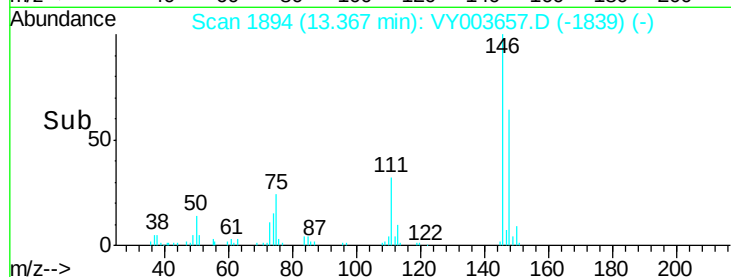
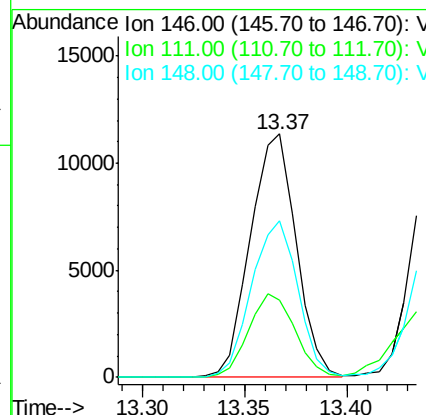
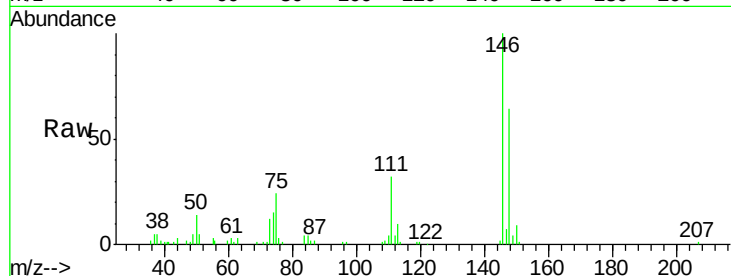




#63
 1,3-Dichlorobenzene
 Concen: 2.357 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.01 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

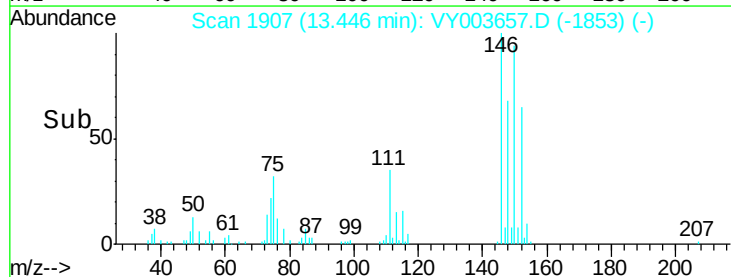
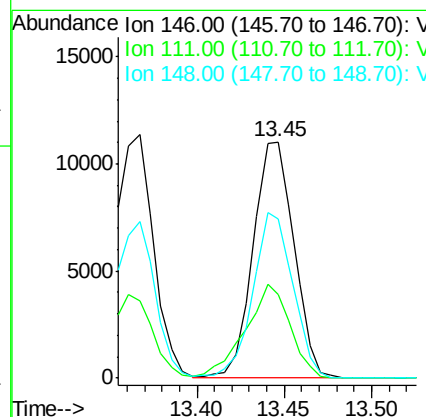
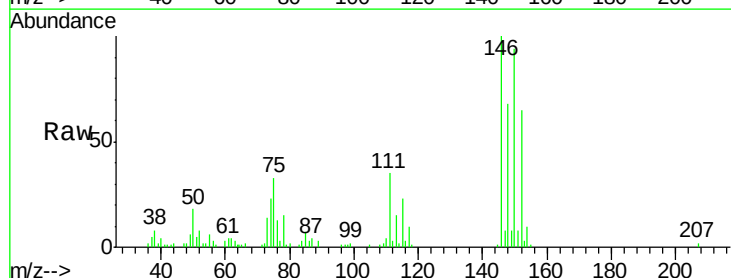
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

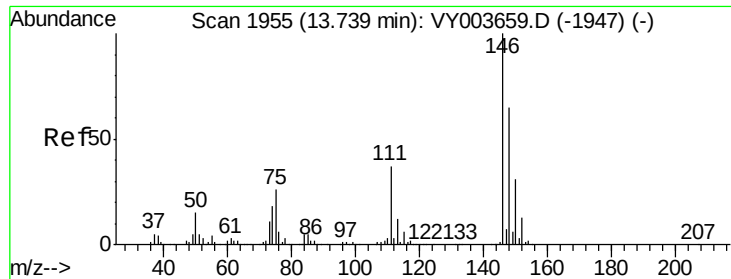
Tgt Ion:146 Resp: 17748
 Ion Ratio Lower Upper
 146 100
 111 31.7 26.0 48.4
 148 64.4 43.7 81.1



#64
 1,4-Dichlorobenzene
 Concen: 2.301 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

Tgt Ion:146 Resp: 17902
 Ion Ratio Lower Upper
 146 100
 111 35.3 23.2 43.0
 148 67.5 43.8 81.4

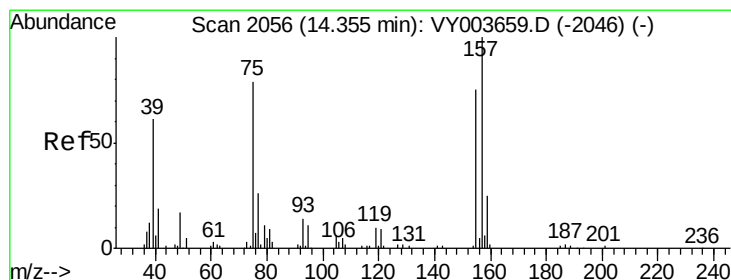
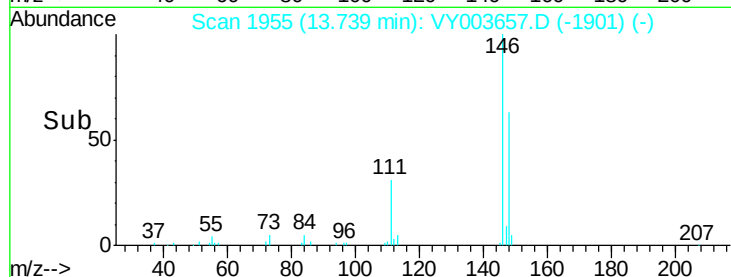
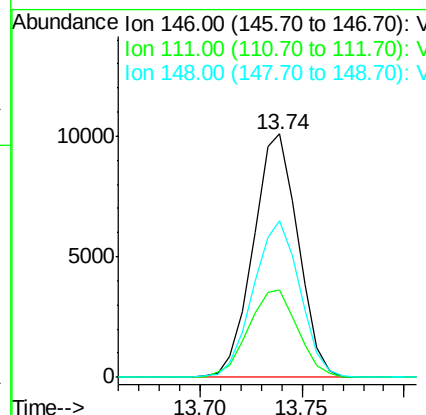
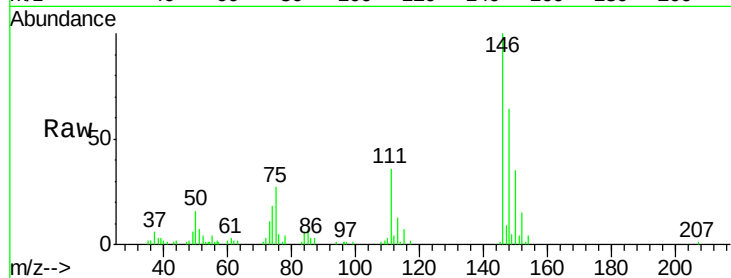




#65
 1,2-Dichlorobenzene
 Concen: 2.427 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

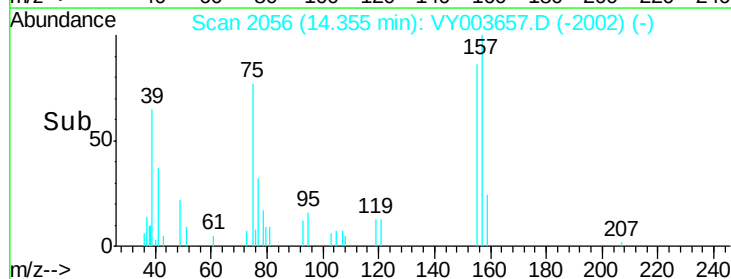
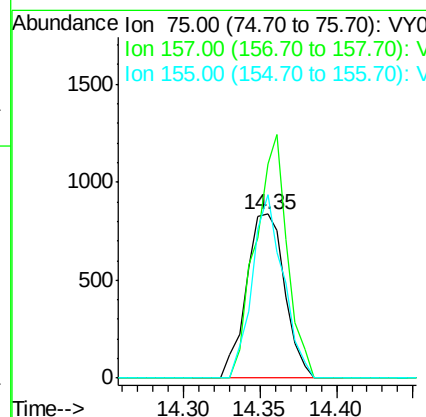
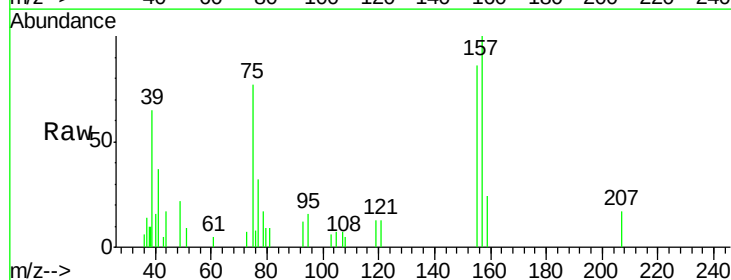
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

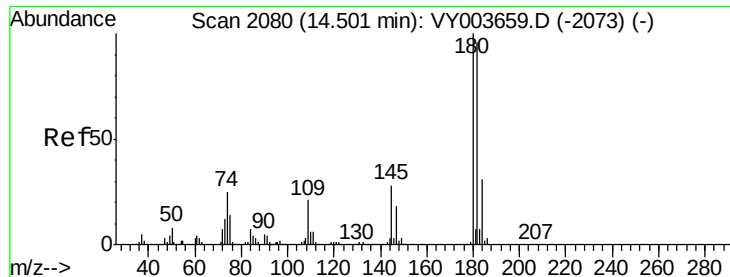
Tgt Ion: 146 Resp: 15464
 Ion Ratio Lower Upper
 146 100
 111 36.0 30.0 45.0
 148 64.3 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.612 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

Tgt Ion: 75 Resp: 1455
 Ion Ratio Lower Upper
 75 100
 157 130.5 101.3 151.9
 155 111.7 76.2 114.4

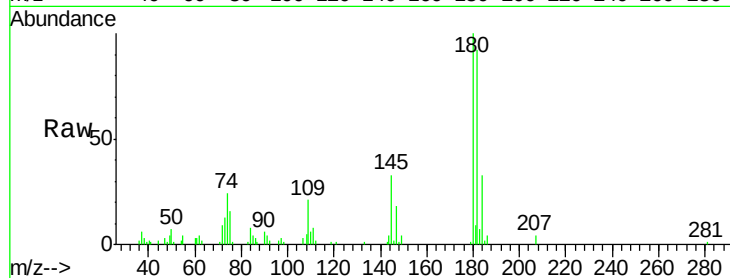




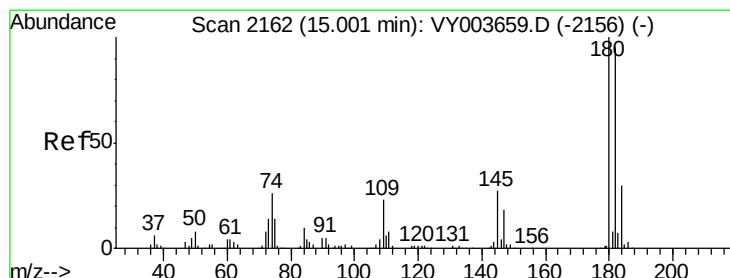
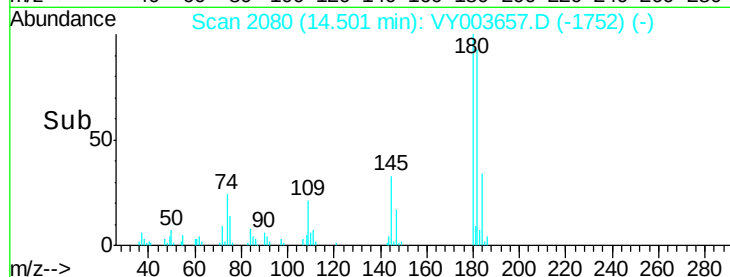
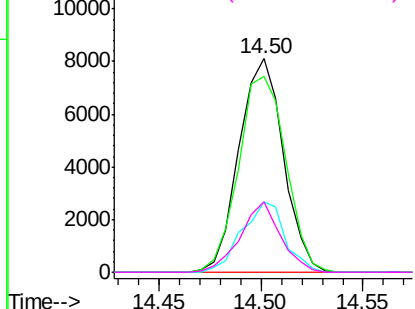
#67
 1,3,5-Trichlorobenzene
 Concen: 2.876 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

Tgt Ion:	180	Resp:	12264
Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.0	114.0
184	32.0	24.2	36.2
145	29.7	22.2	33.2

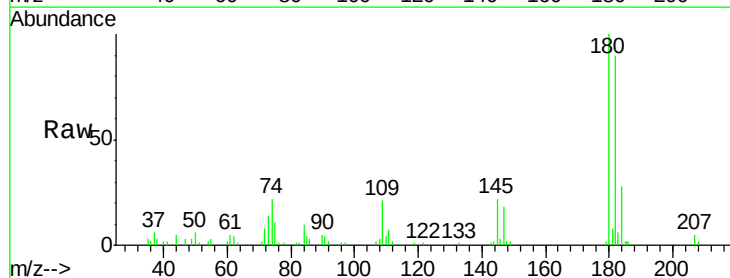


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

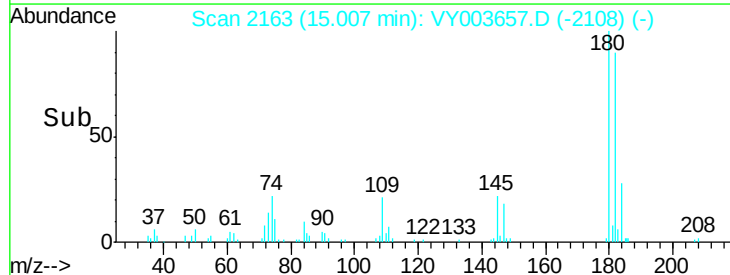
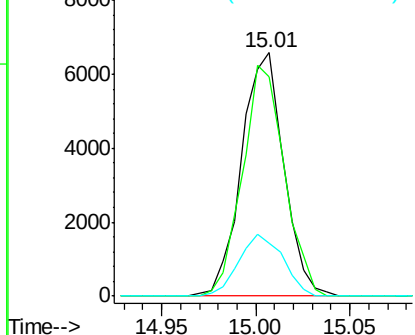


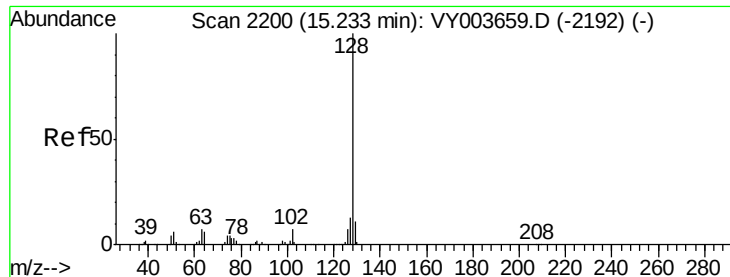
#68
 1,2,4-trichlorobenzene
 Concen: 2.799 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: VY003657.D
 Acq: 04 Dec 2020 11:17

Tgt Ion:	180	Resp:	10238
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.5	114.7
145	26.6	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: 2.751 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

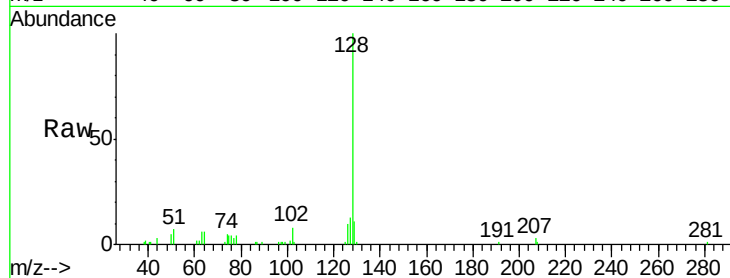
Tgt Ion:128 Resp: 18701

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

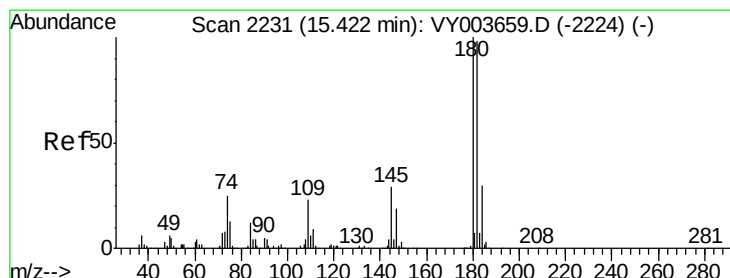
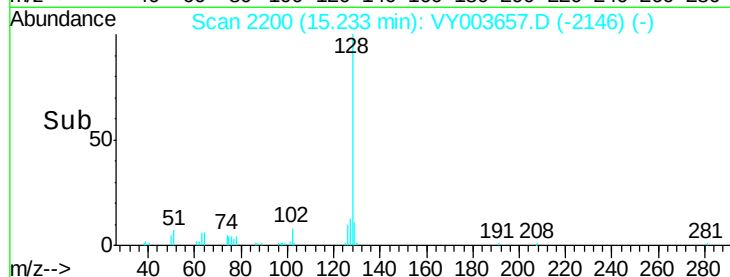
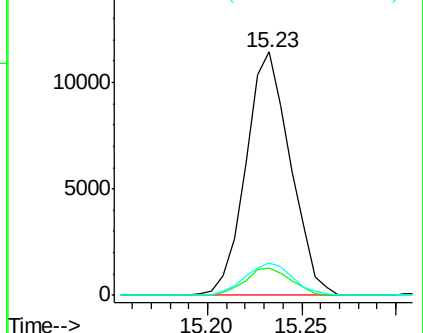
127 14.4 10.2 15.4



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: 3.207 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003657.D

Acq: 04 Dec 2020 11:17

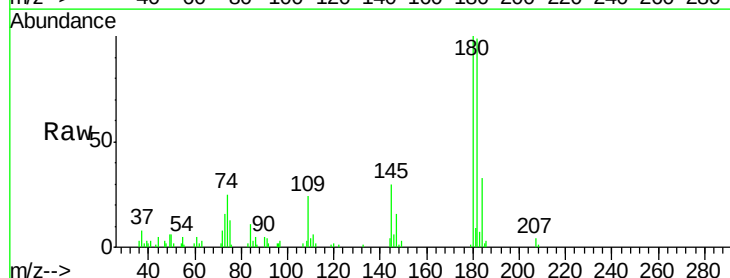
Tgt Ion:180 Resp: 9362

Ion Ratio Lower Upper

180 100

182 93.8 76.9 115.3

145 28.6 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

