

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120420\
 Data File : VY003658.D
 Acq On : 04 Dec 2020 11:39
 Operator : SY/MD
 Sample : VSTD00579
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00578

Quant Time: Dec 04 12:45:35 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	239011	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	227689	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	119388	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	16124	5.56	ug/L	0.00
7) Chloroethane-d5	2.77	69	12721	4.99	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	31374	4.73	ug/L	0.00
20) 2-Butanone-d5	6.91	46	13405	10.38	ug/L	0.00
24) Chloroform-d	7.49	84	31197	5.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	17183	4.97	ug/L	0.00
29) Benzene-d6	8.12	84	65650	4.87	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	19135	4.85	ug/L	0.00
37) Toluene-d8	10.18	98	56917	4.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.43	79	8995	4.57	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	10591	10.51	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	17475	5.06	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	21271	5.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	13178	8.369 ug/L	98
3) Chloromethane	2.12	50	14400	5.299 ug/L	95
5) Vinyl chloride	2.26	62	15599	4.968 ug/L	98
6) Bromomethane	2.66	94	9835	4.095 ug/L	95
8) Chloroethane	2.80	64	9792	4.639 ug/L	93
9) Trichlorofluoromethane	3.14	101	23522	6.957 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	6359	2.018 ug/L #	1
12) 1,1-Dichloroethene	3.88	96	14810	4.581 ug/L	90
13) Acetone	3.96	43	9506	10.079 ug/L	97
14) Carbon disulfide	4.20	76	48156	4.511 ug/L	100
15) Methyl Acetate	4.48	43	11795	4.945 ug/L #	87
16) Methylene chloride	4.73	84	22791	5.610 ug/L	98
17) Methyl tert-butyl Ether	5.23	73	39722	6.868 ug/L	99
18) trans-1,2-Dichloroethene	5.23	96	16288	4.747 ug/L	96
19) 1,1-Dichloroethane	6.03	63	28126	4.874 ug/L	98
21) 2-Butanone	7.00	43	17087	10.779 ug/L	98
22) cis-1,2-Dichloroethene	7.00	96	17600	4.966 ug/L	94
23) Bromochloromethane	7.35	128	9112	5.284 ug/L	92
25) Chloroform	7.51	83	28255	4.895 ug/L	97
27) 1,2-Dichloroethane	8.25	62	18731	4.794 ug/L #	93
30) Cyclohexane	7.79	56	23977	4.441 ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	25357	5.148 ug/L	97
32) Carbon tetrachloride	7.91	117	21416	4.619 ug/L	95
34) Benzene	8.17	78	67516	4.794 ug/L	100
35) Trichloroethene	8.94	95	18607	5.140 ug/L	97
36) Methylcyclohexane	9.19	83	27287	4.811 ug/L	99
40) 1,2-Dichloropropane	9.22	63	16929	4.856 ug/L	100
41) Bromodichloromethane	9.50	83	21580	4.864 ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	25077	4.572 ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	30999	10.408 ug/L	99

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

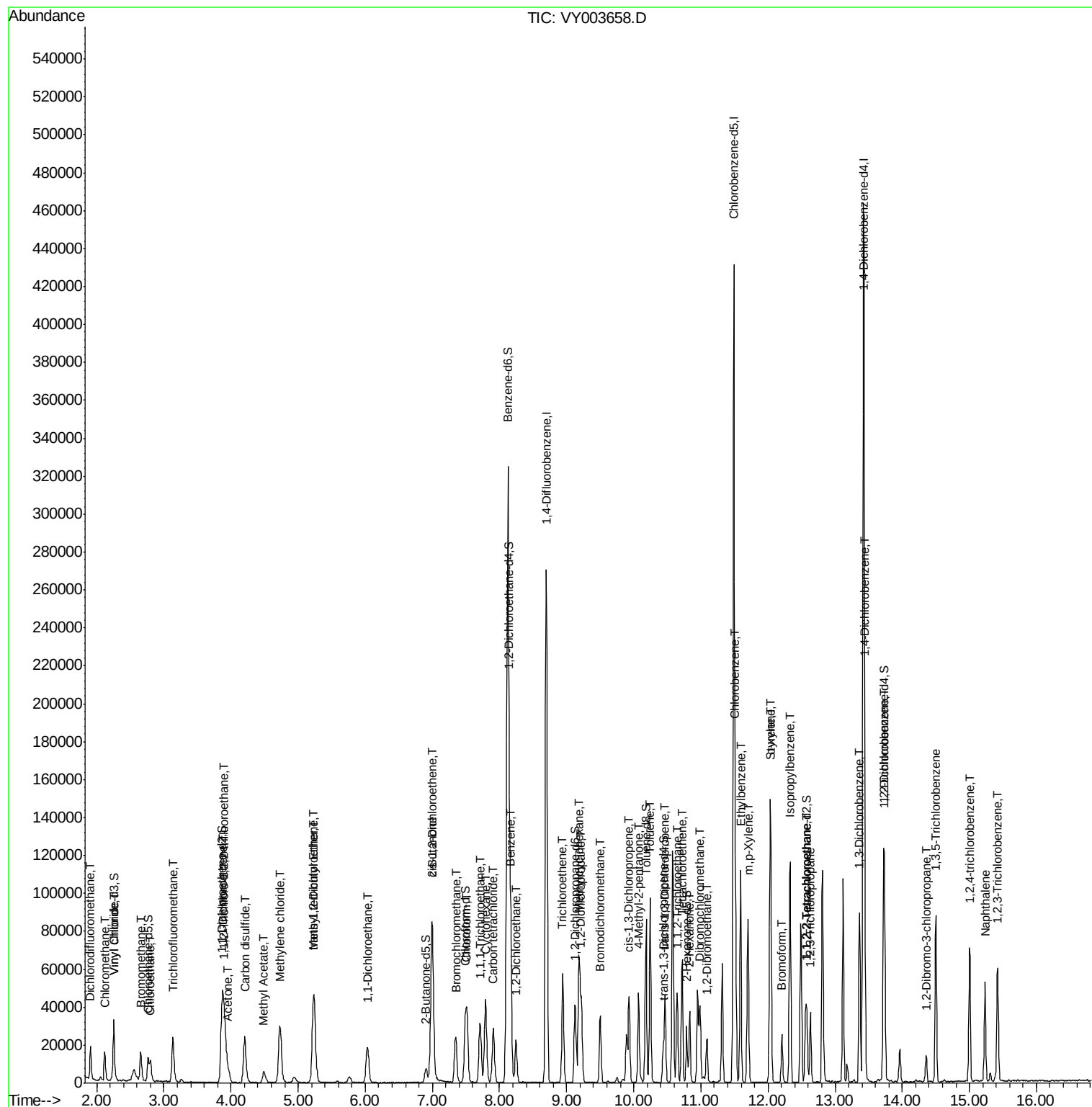
44) Toluene	10.25	91	69559	4.679	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	24001	4.728	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	14885	5.276	ug/L	95
47) Tetrachloroethene	10.72	164	14277	4.654	ug/L	92
49) 2-Hexanone	10.83	43	22195	9.628	ug/L	99
50) Dibromochloromethane	10.98	129	16723	4.929	ug/L	100
51) 1,2-Dibromoethane	11.09	107	14306	5.108	ug/L #	96
52) Chlorobenzene	11.51	112	46584	4.886	ug/L	98
53) Ethylbenzene	11.59	91	76046	4.950	ug/L	95
54) m,p-Xylene	11.70	106	28482	4.791	ug/L	97
55) o-xylene	12.03	106	27881	5.488	ug/L	86
56) Styrene	12.04	104	46424	4.778	ug/L	98
57) Isopropylbenzene	12.33	105	71485	5.999	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	15775	4.815	ug/L	94
59) 1,2,3-Trichloropropane	12.64	75	14013	5.335	ug/L	96
62) Bromoform	12.21	173	11710	4.901	ug/L	98
63) 1,3-Dichlorobenzene	13.36	146	36886	4.968	ug/L	96
64) 1,4-Dichlorobenzene	13.45	146	38243	4.986	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	34004	5.414	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	3049	5.550	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	26469	6.296	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	21797	6.043	ug/L	97
69) Naphthalene	15.23	128	43234	6.451	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	19893	6.911	ug/L	98

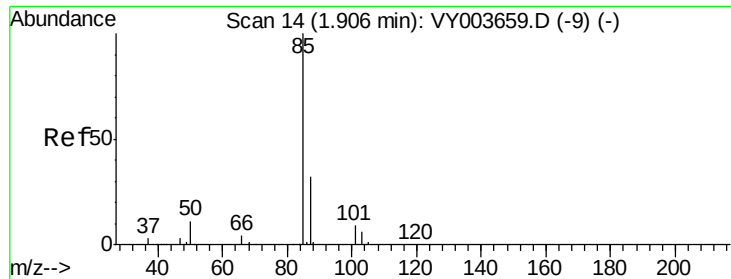
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.369 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampled :

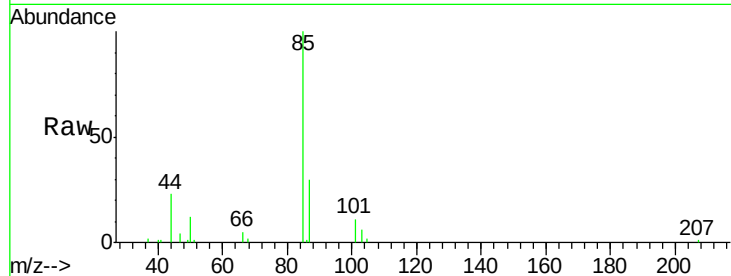
VSTD00578

Tgt Ion: 85 Resp: 13178

Ion Ratio Lower Upper

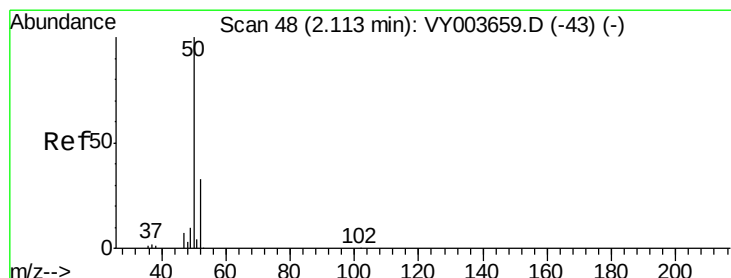
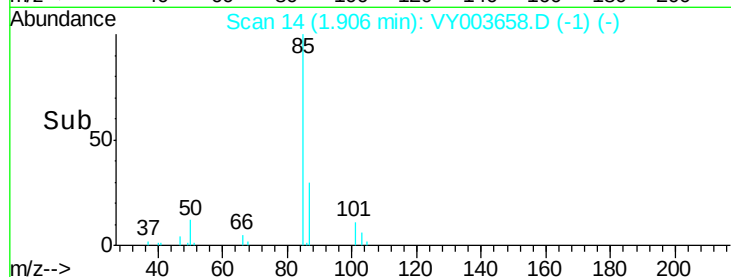
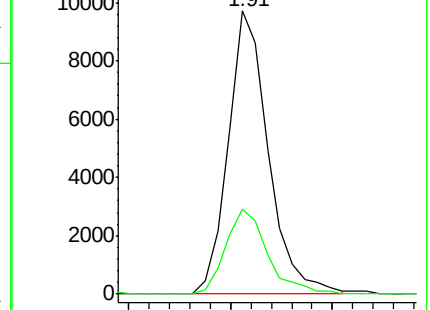
85 100

87 31.4 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: 5.299 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003658.D

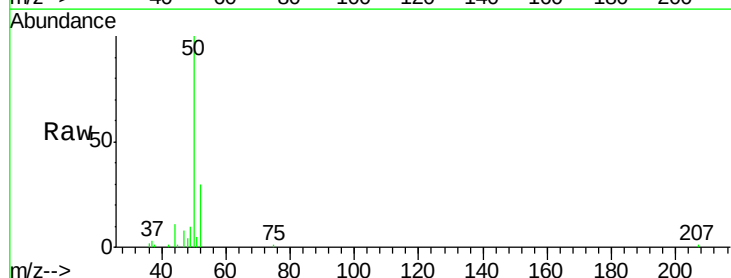
Acq: 04 Dec 2020 11:39

Tgt Ion: 50 Resp: 14400

Ion Ratio Lower Upper

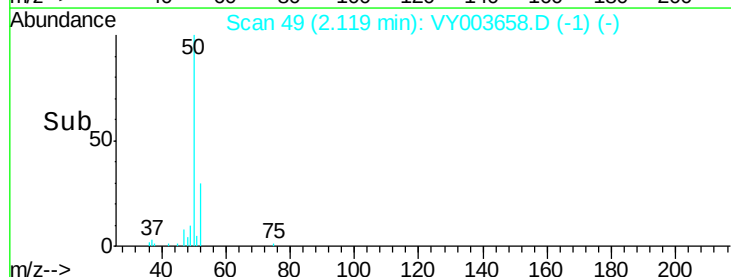
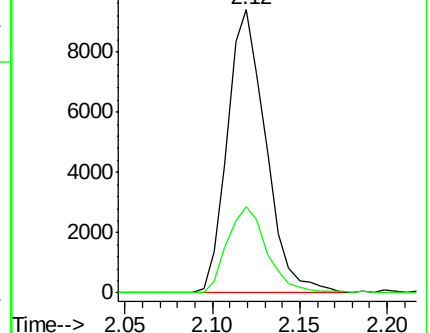
50 100

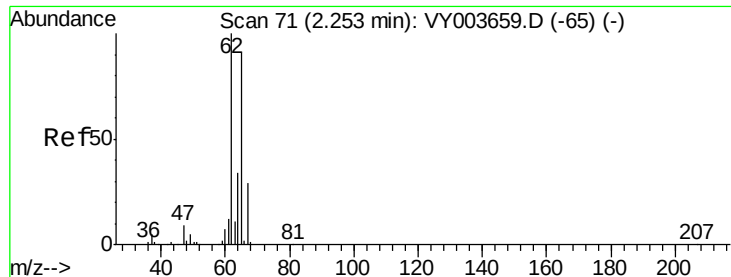
52 30.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 4.968 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampleId :

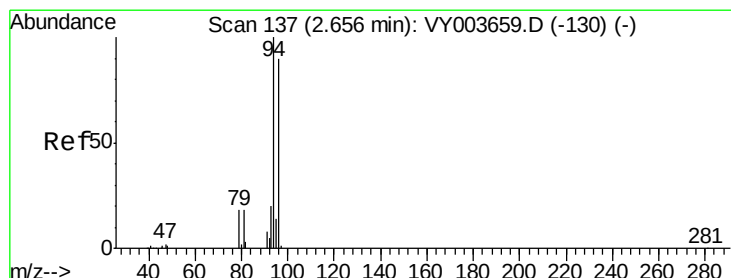
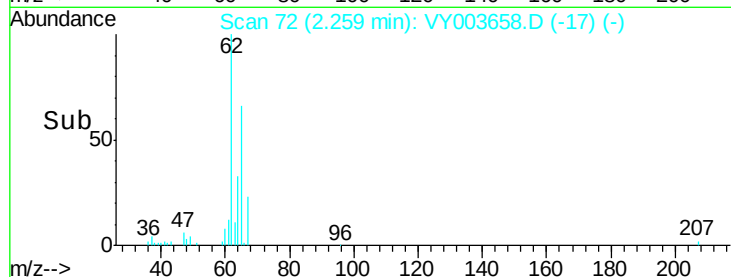
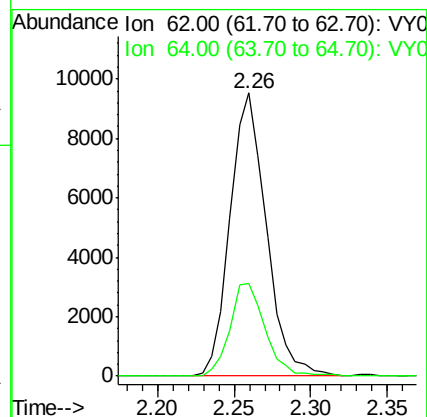
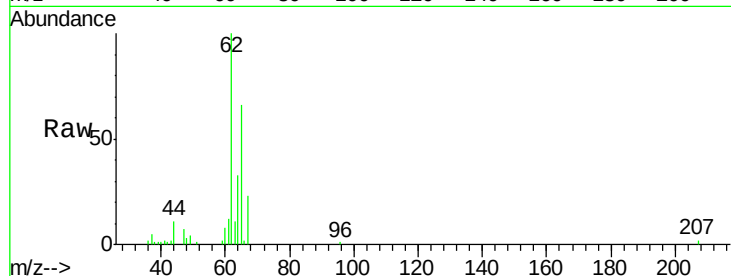
VSTD00578

Tgt Ion: 62 Resp: 15599

Ion Ratio Lower Upper

62 100

64 32.8 23.8 44.2



#6

Bromomethane

Concen: 4.095 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.00 min

Lab File: VY003658.D

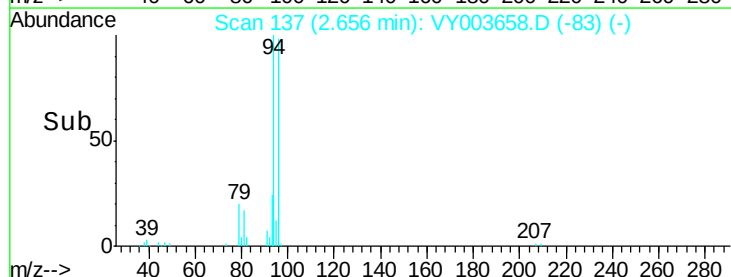
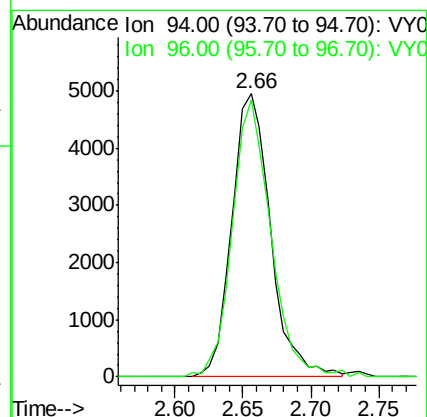
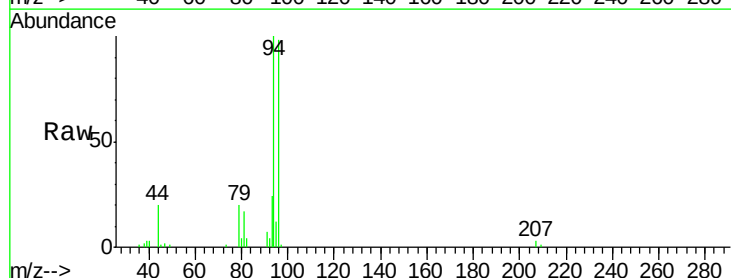
Acq: 04 Dec 2020 11:39

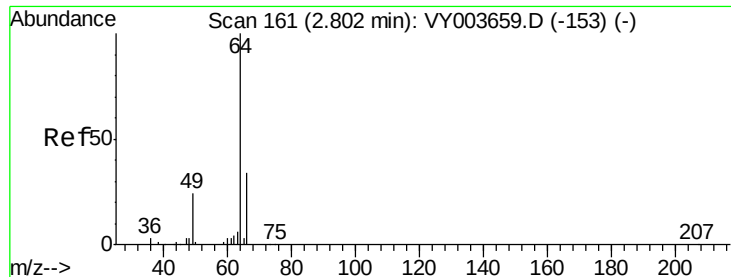
Tgt Ion: 94 Resp: 9835

Ion Ratio Lower Upper

94 100

96 96.5 9.2 174.6





#8

Chloroethane

Concen: 4.639 ug/L

RT: 2.80 min Scan# 161

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampleId :

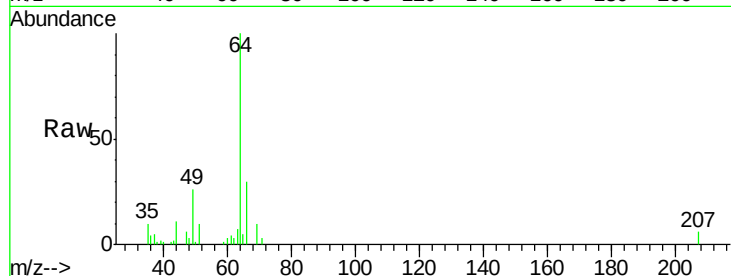
VSTD00578

Tgt Ion: 64 Resp: 9792

Ion Ratio Lower Upper

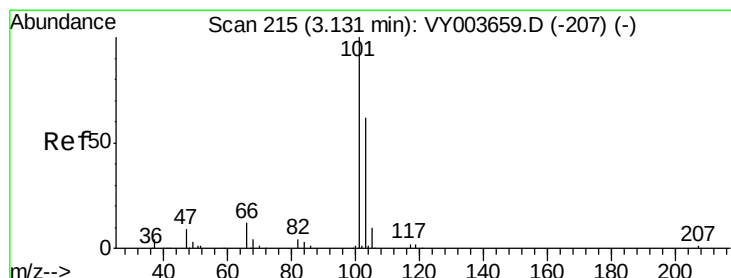
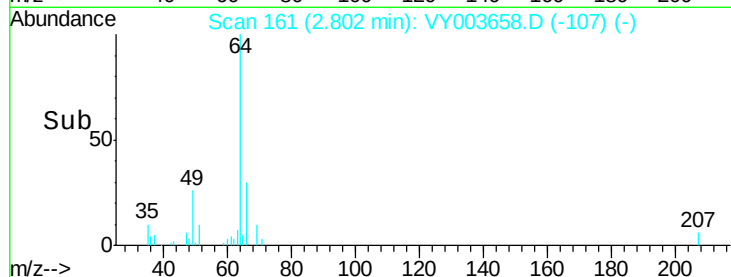
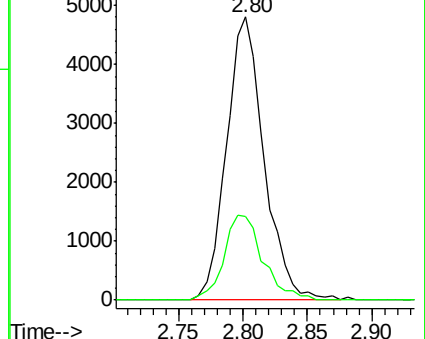
64 100

66 29.7 23.8 44.2



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 6.957 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.01 min

Lab File: VY003658.D

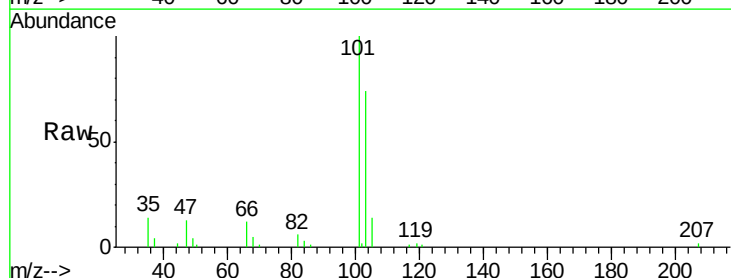
Acq: 04 Dec 2020 11:39

Tgt Ion: 101 Resp: 23522

Ion Ratio Lower Upper

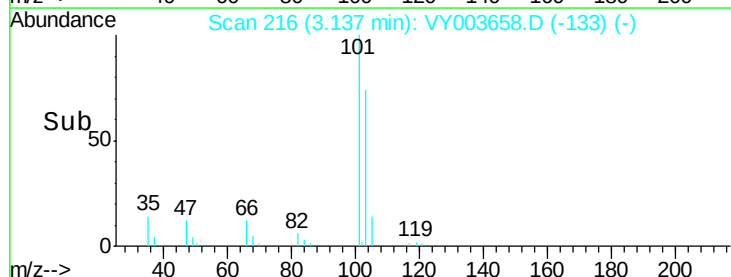
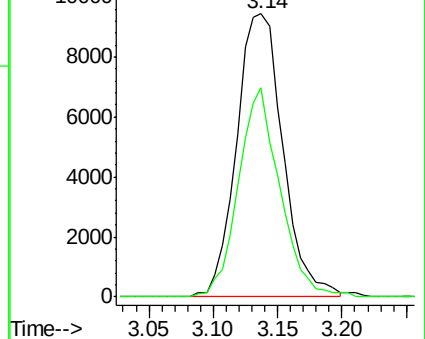
101 100

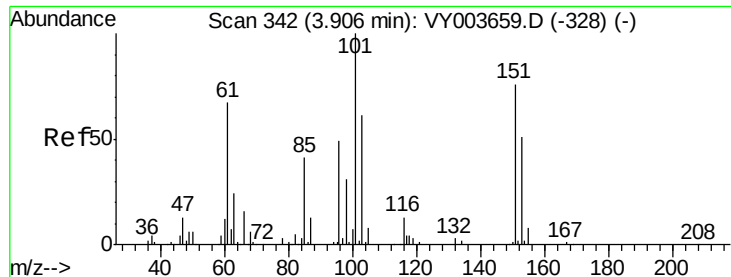
103 65.7 45.1 83.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 2.018 ug/L

RT: 3.90 min Scan# 341

Delta R.T. -0.01 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00578

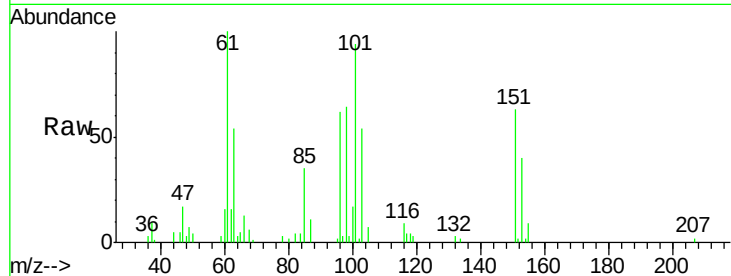
Tgt Ion:101 Resp: 6359

Ion Ratio Lower Upper

101 100

85 107.0 33.9 50.9#

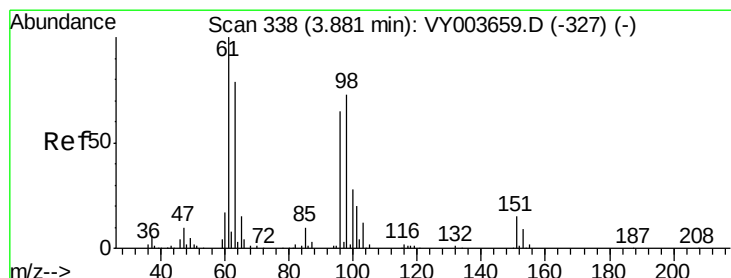
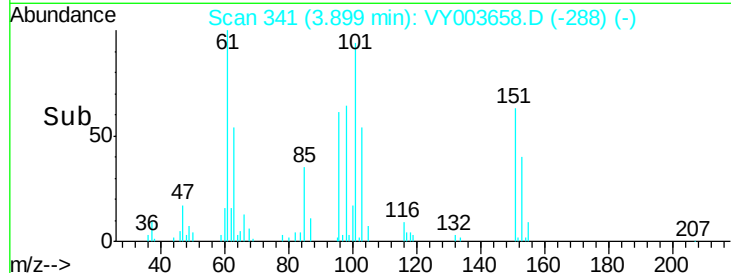
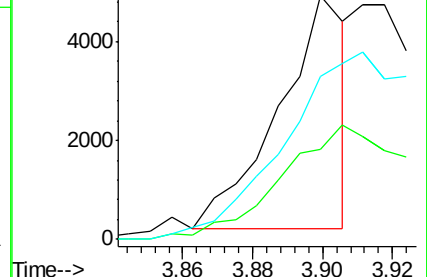
151 190.1 65.0 97.4#



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: 4.581 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

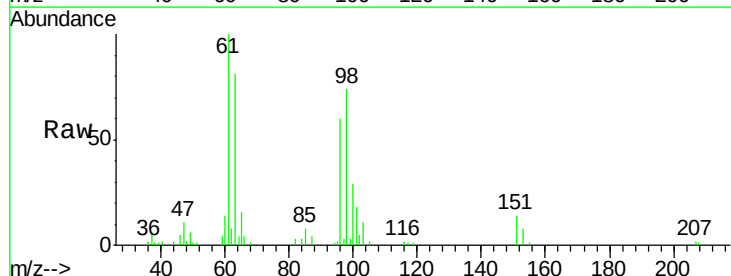
Tgt Ion: 96 Resp: 14810

Ion Ratio Lower Upper

96 100

61 167.5 108.5 201.5

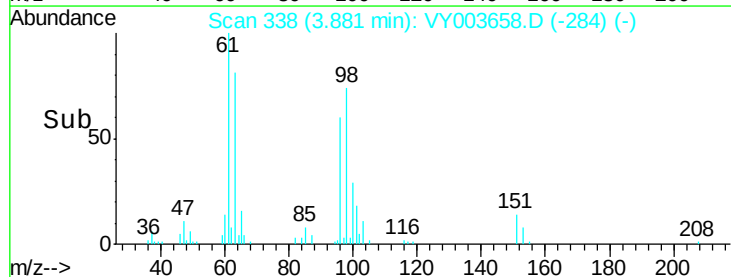
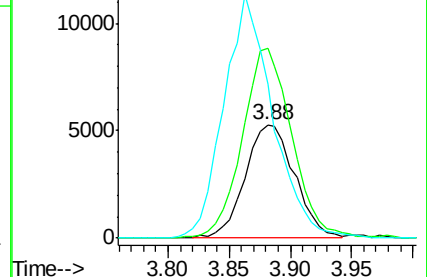
63 136.4 87.8 163.0

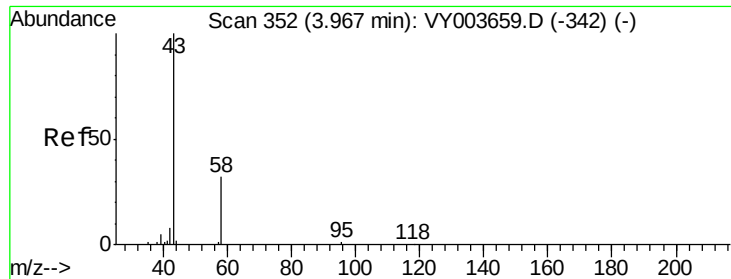


Abundance Ion 96.00 (95.70 to 96.70): VY003659.D (-327) (-)

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

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

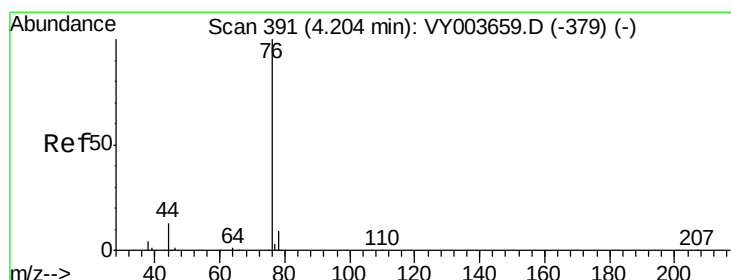
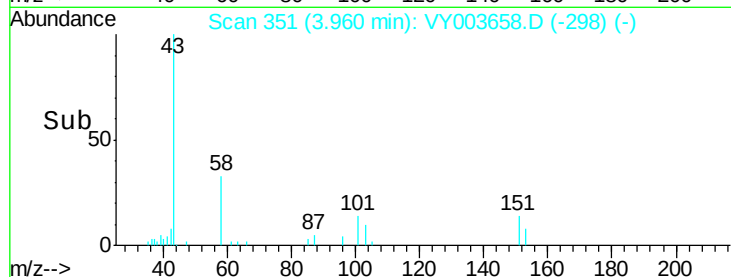
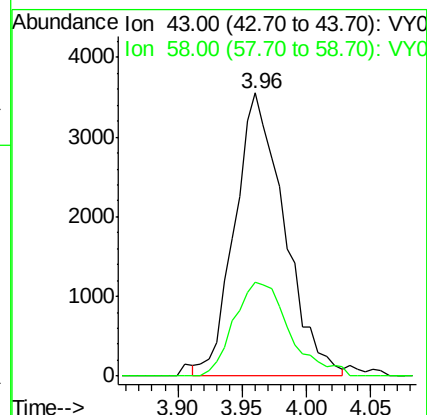
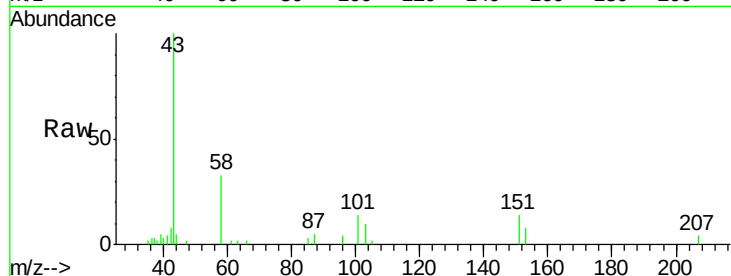




#13
Acetone
Concen: 10.079 ug/L
RT: 3.96 min Scan# 351
Delta R.T. -0.01 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

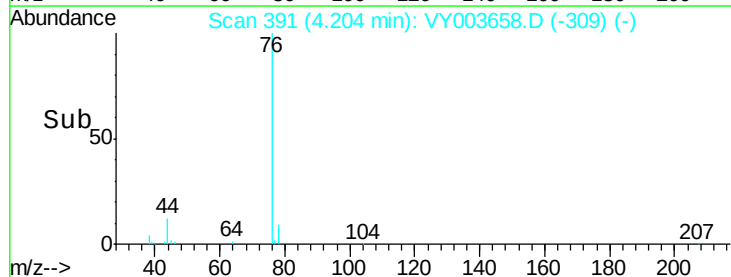
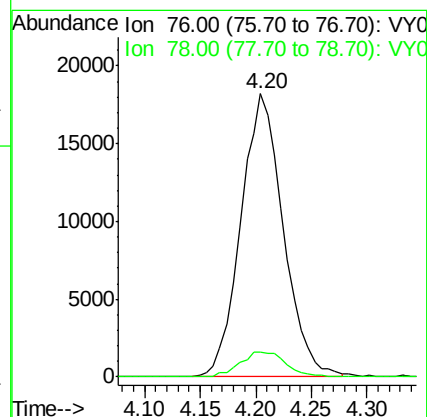
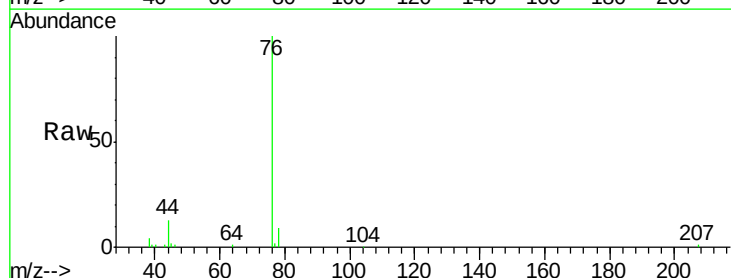
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00578

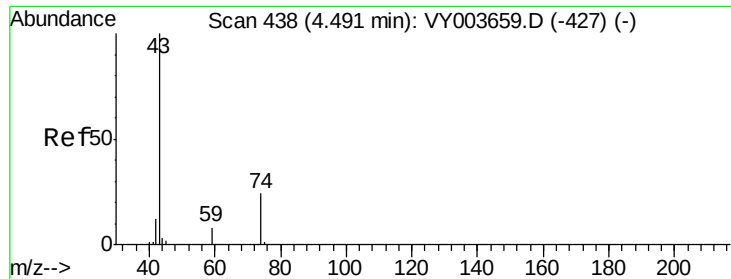
Tgt Ion: 43 Resp: 9506
Ion Ratio Lower Upper
43 100
58 35.9 0.0 68.8



#14
Carbon disulfide
Concen: 4.511 ug/L
RT: 4.20 min Scan# 391
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Tgt Ion: 76 Resp: 48156
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

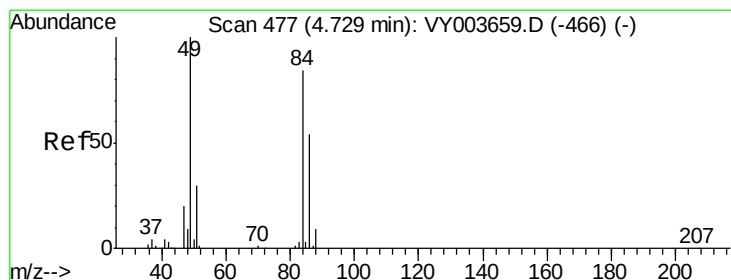
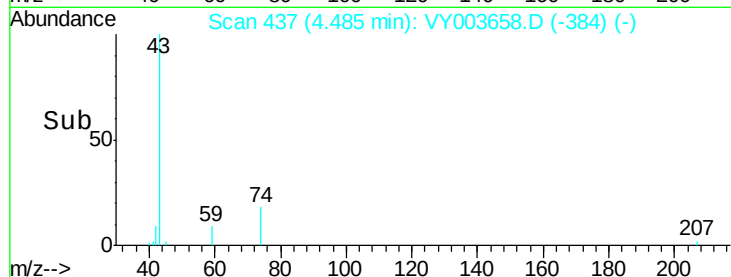
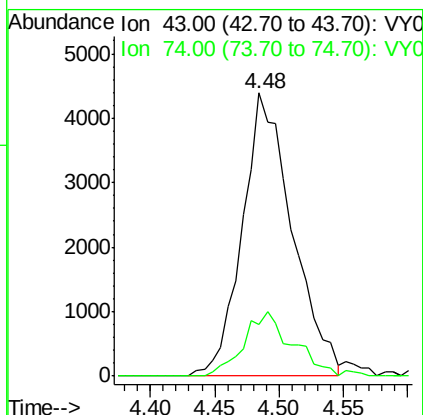
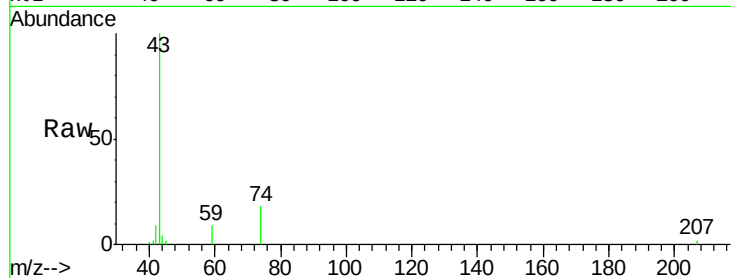




#15
Methyl Acetate
Concen: 4.945 ug/L
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

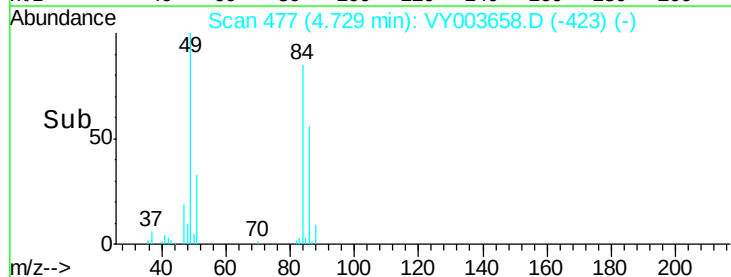
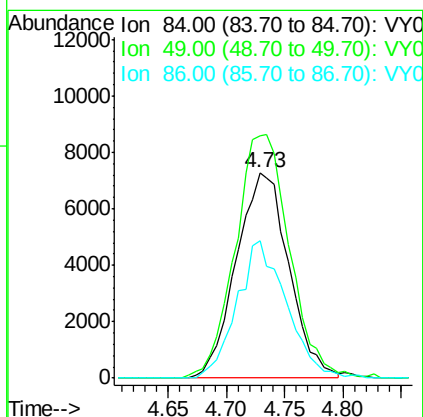
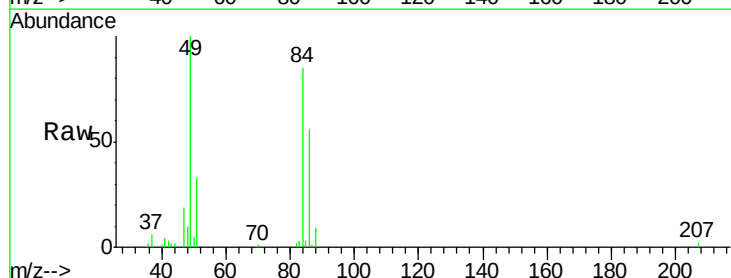
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00578

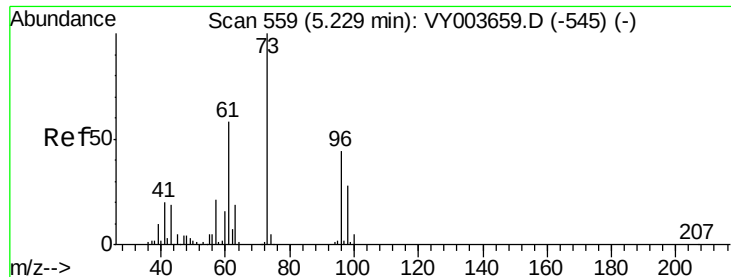
Tgt Ion: 43 Resp: 11795
Ion Ratio Lower Upper
43 100
74 17.6 19.2 28.8#



#16
Methylene chloride
Concen: 5.610 ug/L
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Tgt Ion: 84 Resp: 22791
Ion Ratio Lower Upper
84 100
49 118.2 83.7 155.4
86 66.6 45.0 83.6

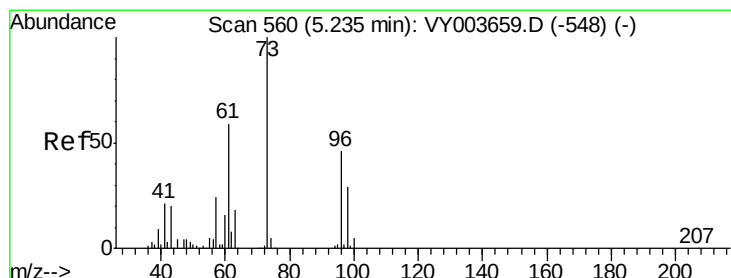
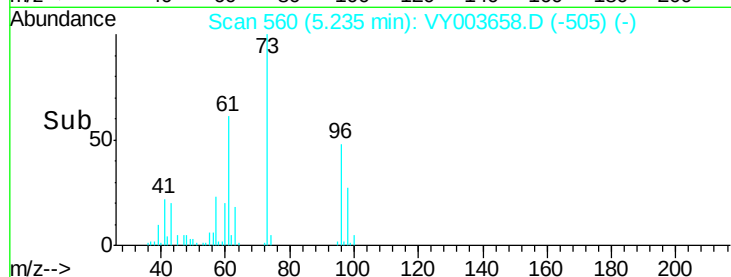
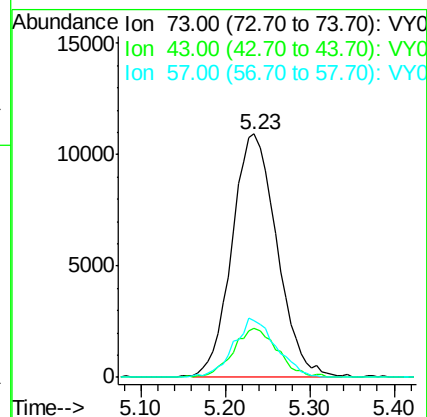
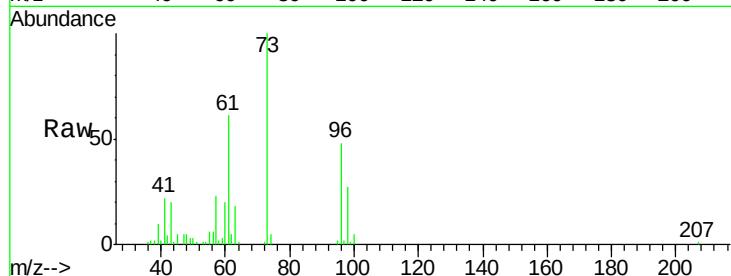




#17
Methyl tert-butyl Ether
Concen: 6.868 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.01 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

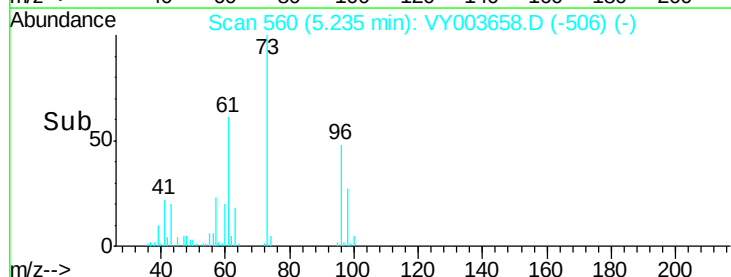
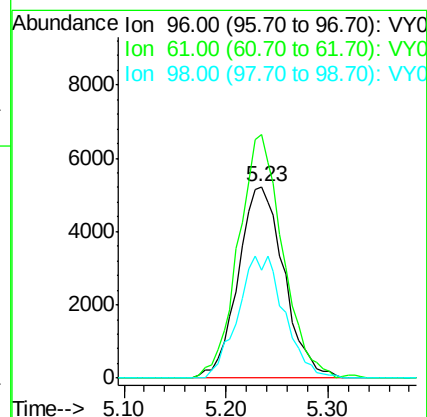
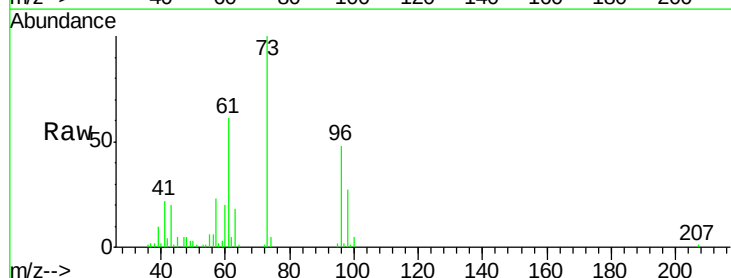
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00578

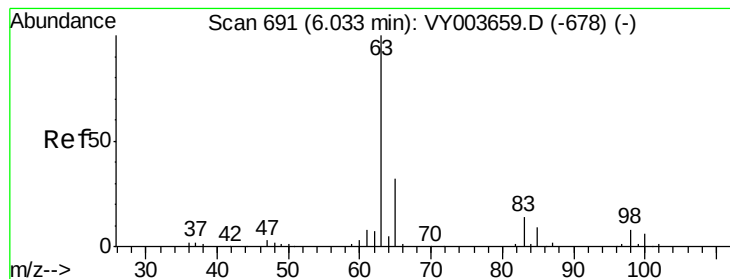
Tgt Ion: 73 Resp: 39722
Ion Ratio Lower Upper
73 100
43 19.8 14.9 22.3
57 22.8 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 4.747 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Tgt Ion: 96 Resp: 16288
Ion Ratio Lower Upper
96 100
61 127.1 90.8 168.6
98 56.0 44.2 82.0





#19

1,1-Dichloroethane

Concen: 4.874 ug/L

RT: 6.03 min Scan# 690

Delta R.T. -0.01 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00578

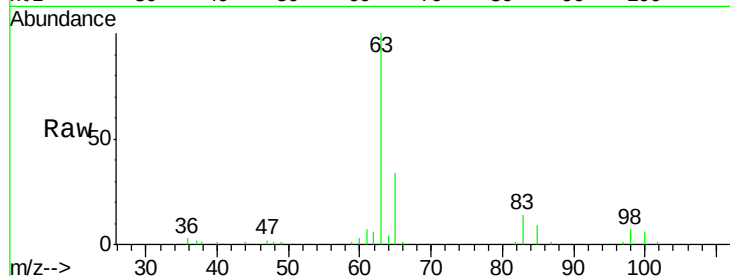
Tgt Ion: 63 Resp: 28126

Ion Ratio Lower Upper

63 100

65 33.6 22.7 42.1

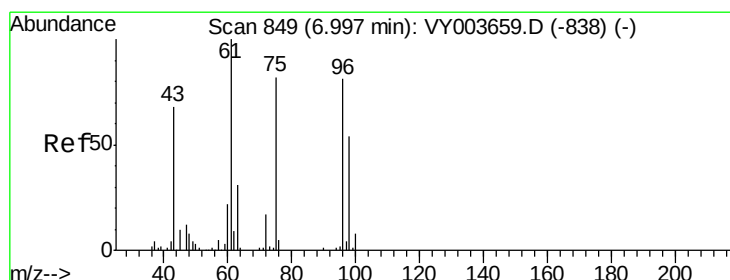
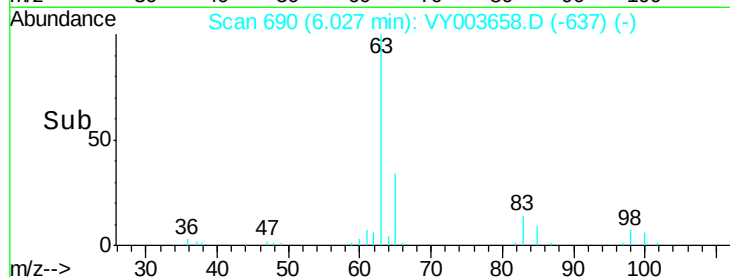
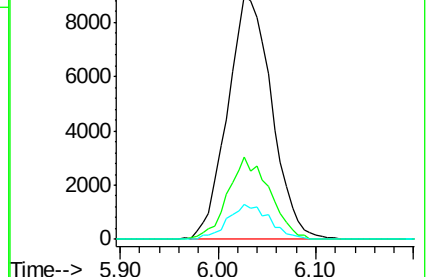
83 14.5 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VY003659.D (-678) (-)

Ion 65.00 (64.70 to 65.70): VY003659.D (-678) (-)

Ion 83.00 (82.70 to 83.70): VY003659.D (-678) (-)



#21

2-Butanone

Concen: 10.779 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003658.D

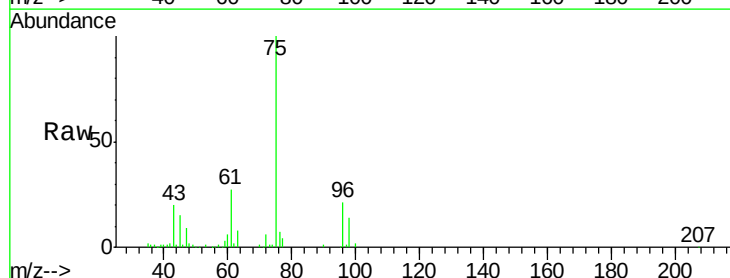
Acq: 04 Dec 2020 11:39

Tgt Ion: 43 Resp: 17087

Ion Ratio Lower Upper

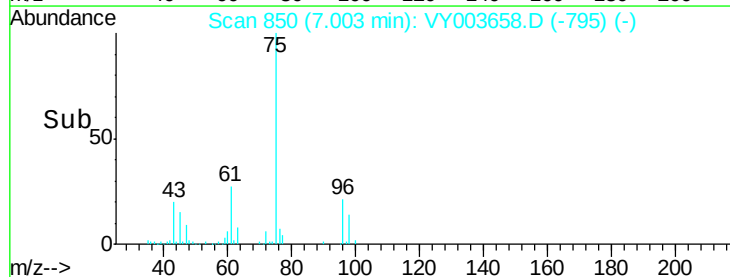
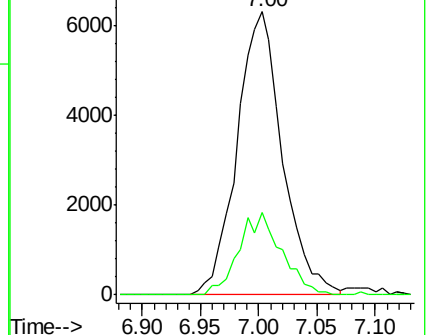
43 100

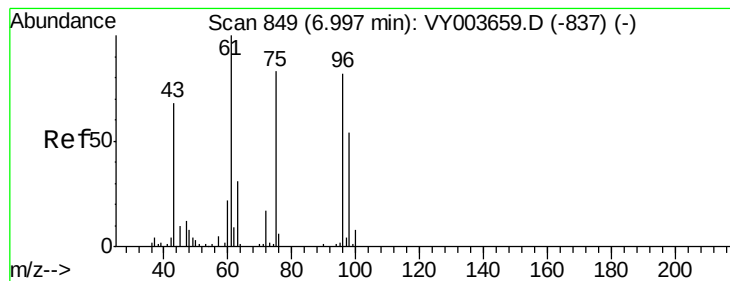
72 27.5 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VY003659.D (-838) (-)

Ion 72.00 (71.70 to 72.70): VY003659.D (-838) (-)



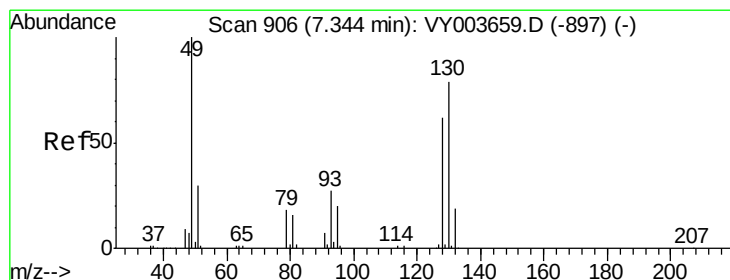
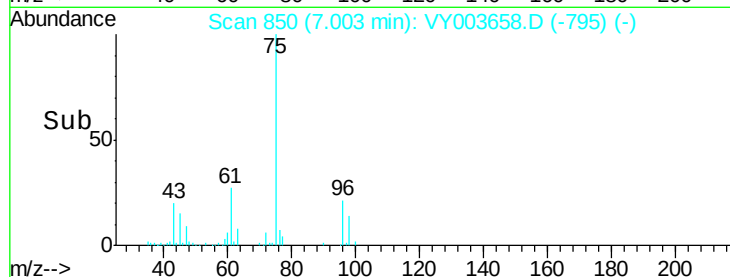
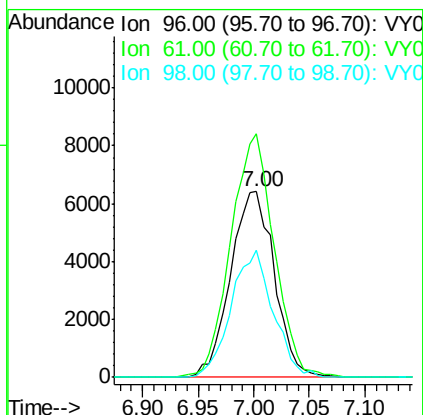
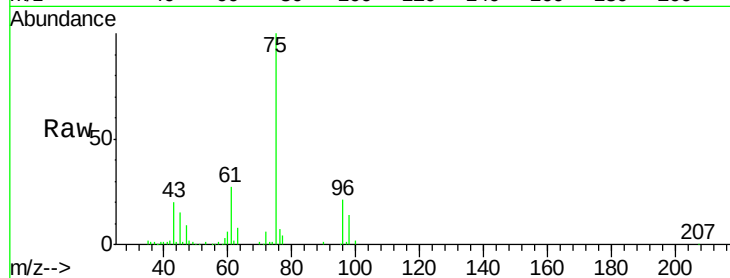


#22

cis-1,2-Dichloroethene
Concen: 4.966 ug/L
RT: 7.00 min Scan# 850
Delta R.T. 0.01 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Instrument :
MSVOA_Y
ClientSampled :
VSTD00578

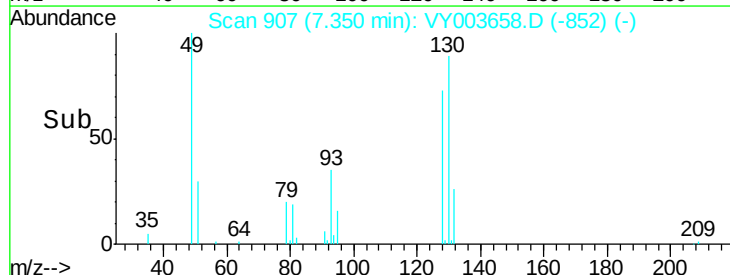
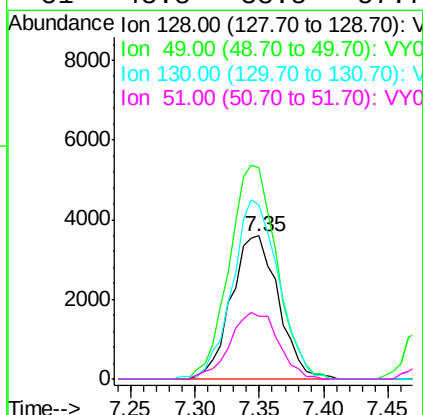
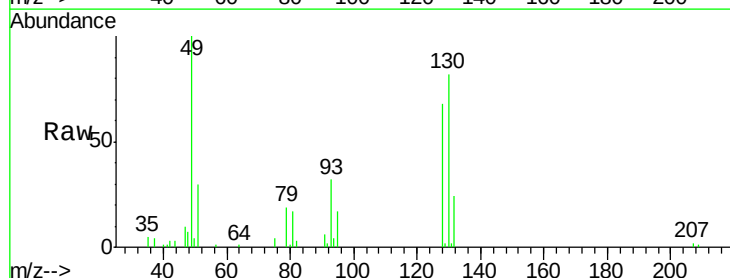
Tgt Ion: 96 Resp: 17600
Ion Ratio Lower Upper
96 100
61 130.9 85.8 159.4
98 68.5 46.5 86.3

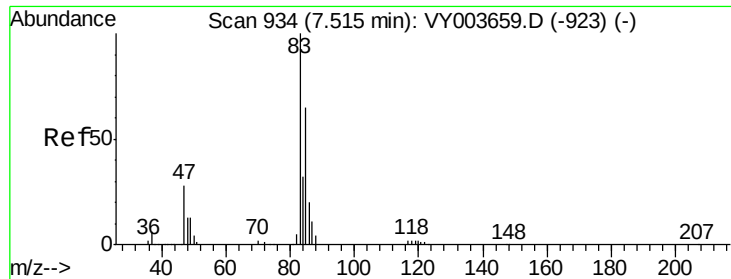


#23

Bromochloromethane
Concen: 5.284 ug/L
RT: 7.35 min Scan# 907
Delta R.T. 0.01 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Tgt Ion: 128 Resp: 9112
Ion Ratio Lower Upper
128 100
49 147.8 113.8 211.3
130 121.6 89.7 166.5
51 43.8 38.5 57.7

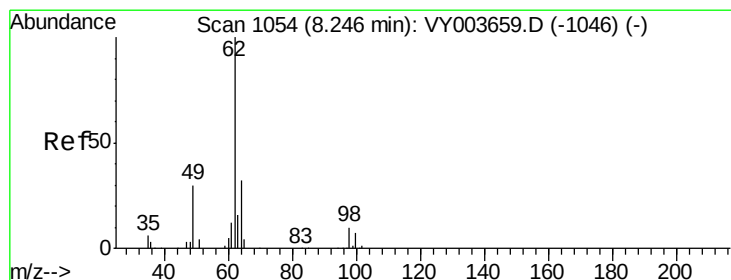
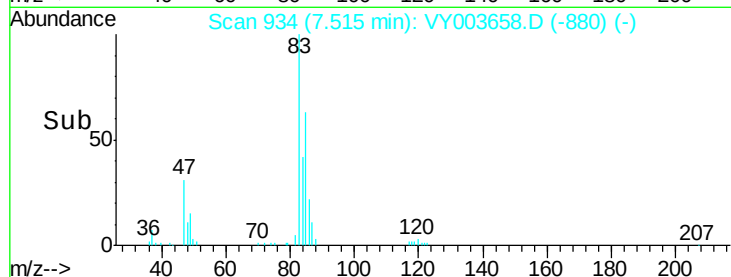
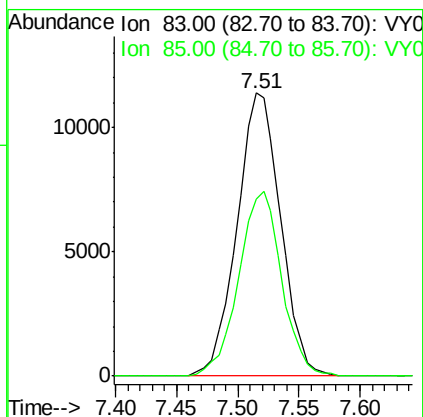
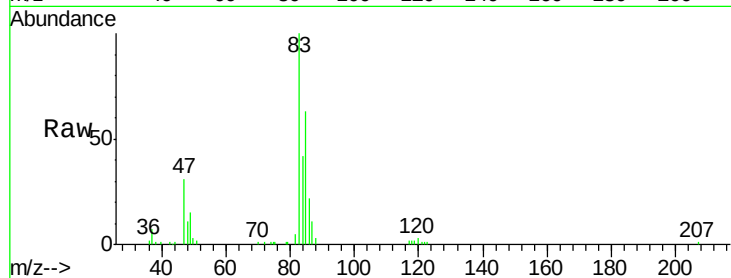




#25
Chloroform
Concen: 4.895 ug/L
RT: 7.51 min Scan# 934
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

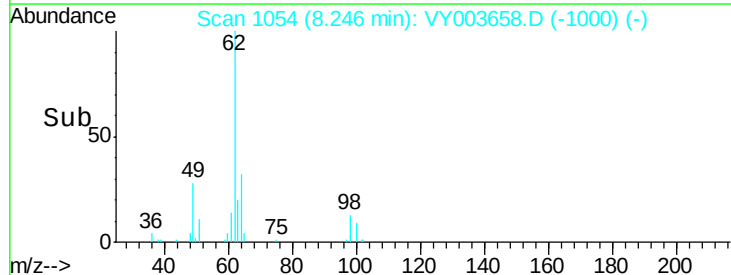
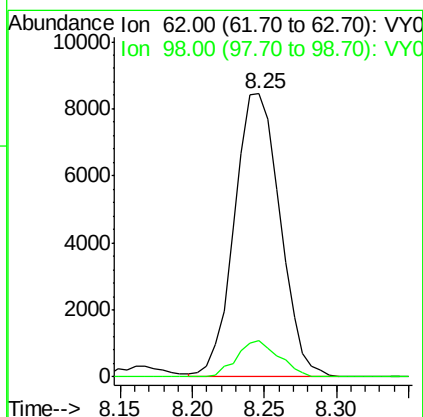
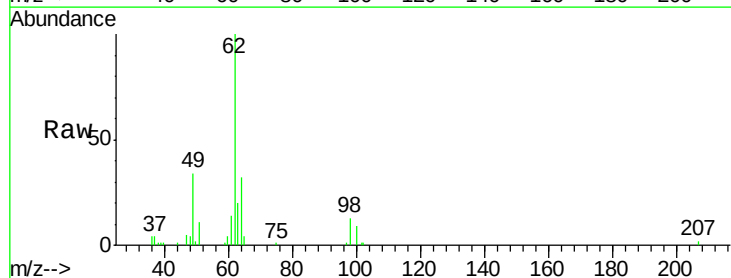
Instrument :
MSVOA_Y
ClientSampled :
VSTD00578

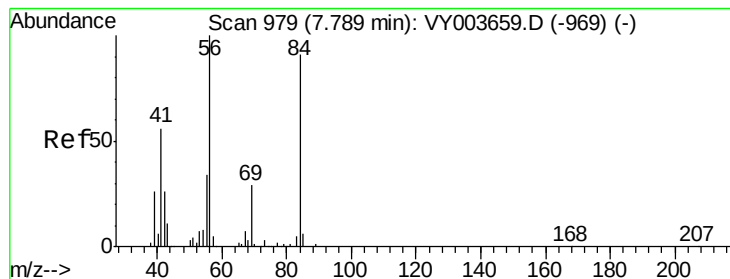
Tgt Ion: 83 Resp: 28255
Ion Ratio Lower Upper
83 100
85 64.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 4.794 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Tgt Ion: 62 Resp: 18731
Ion Ratio Lower Upper
62 100
98 12.7 8.0 12.0#





#30

Cyclohexane

Concen: 4.441 ug/L

RT: 7.79 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampled :

VSTD00578

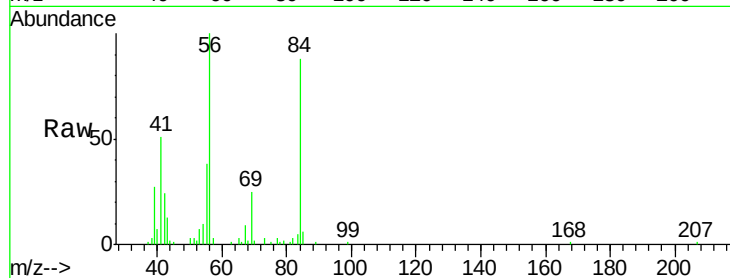
Tgt Ion: 56 Resp: 23977

Ion Ratio Lower Upper

56 100

69 30.2 23.8 35.8

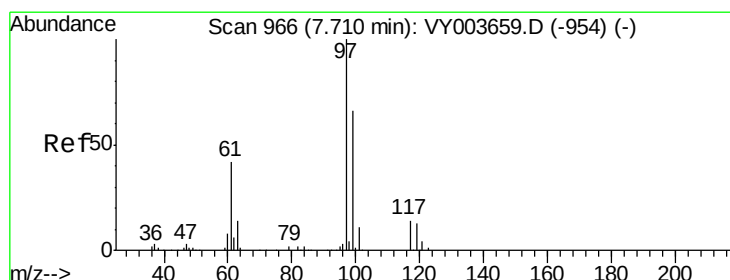
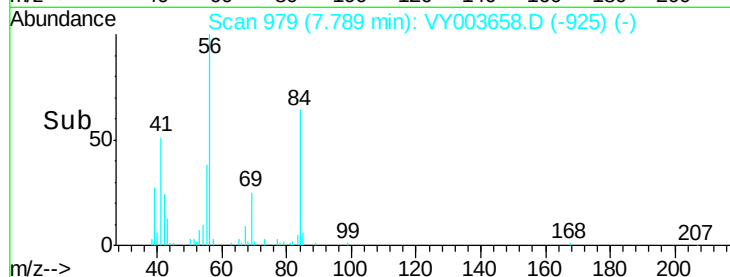
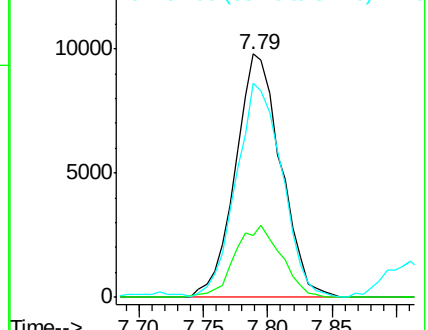
84 89.2 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#31

1,1,1-Trichloroethane

Concen: 5.148 ug/L

RT: 7.71 min Scan# 966

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

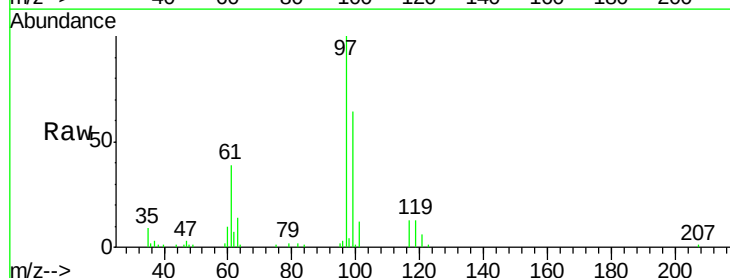
Tgt Ion: 97 Resp: 25357

Ion Ratio Lower Upper

97 100

99 60.6 51.4 77.0

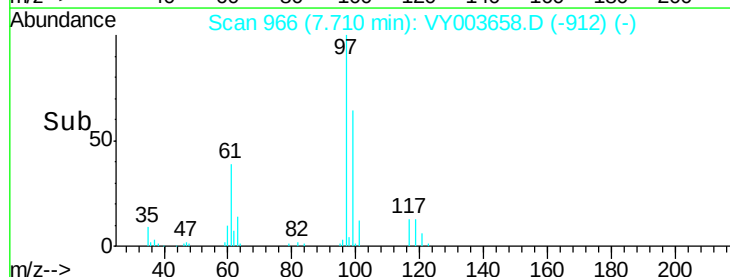
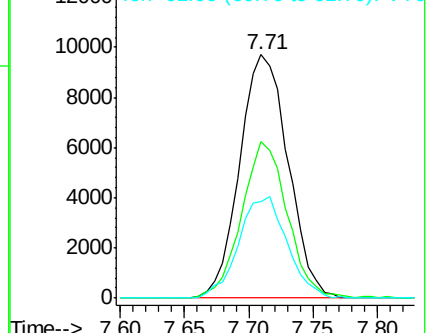
61 41.4 34.0 51.0

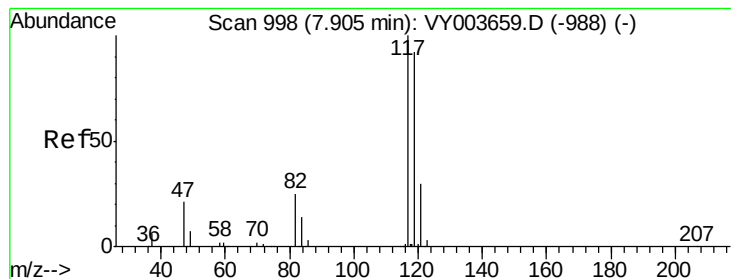


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 4.619 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampleId :

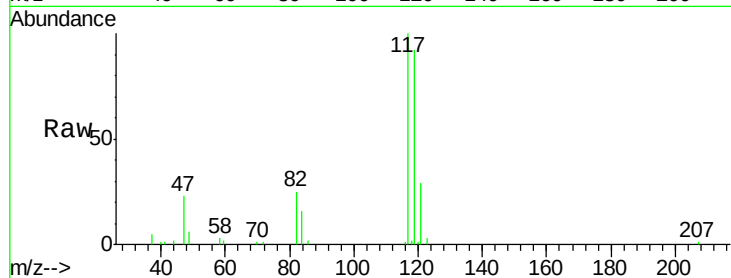
VSTD00578

Tgt Ion:117 Resp: 21416

Ion Ratio Lower Upper

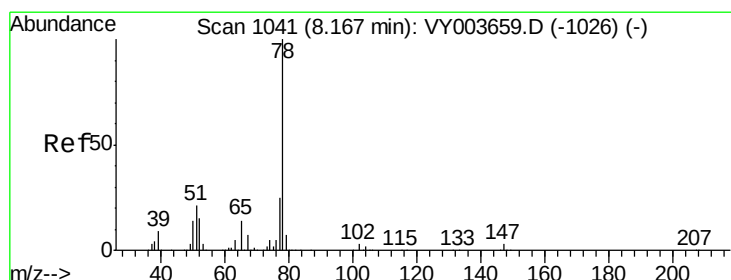
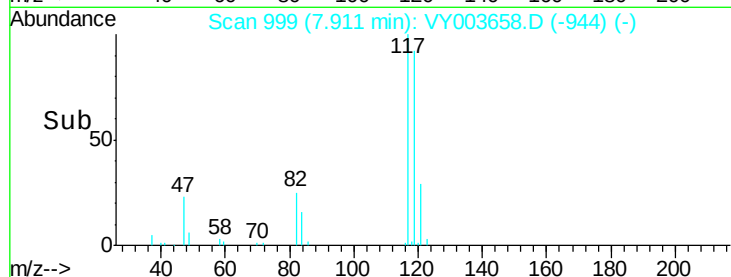
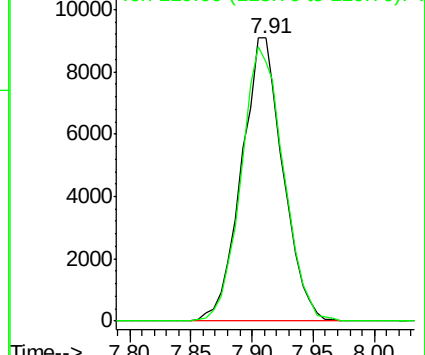
117 100

119 98.6 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: 4.794 ug/L

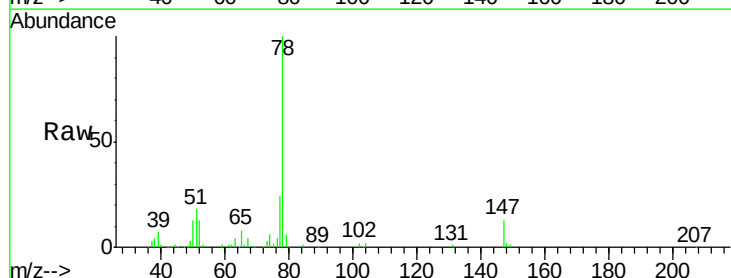
RT: 8.17 min Scan# 1042

Delta R.T. 0.01 min

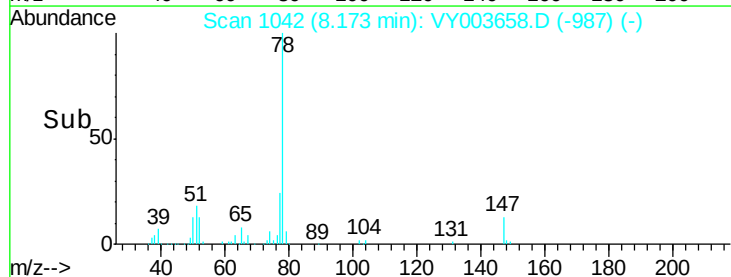
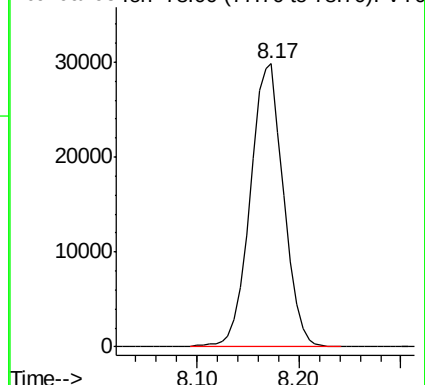
Lab File: VY003658.D

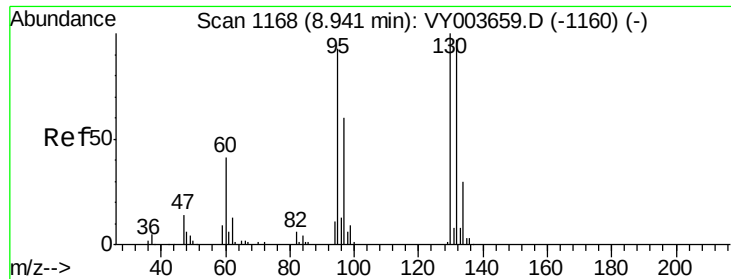
Acq: 04 Dec 2020 11:39

Tgt Ion: 78 Resp: 67516



Abundance Ion 78.00 (77.70 to 78.70): VY0

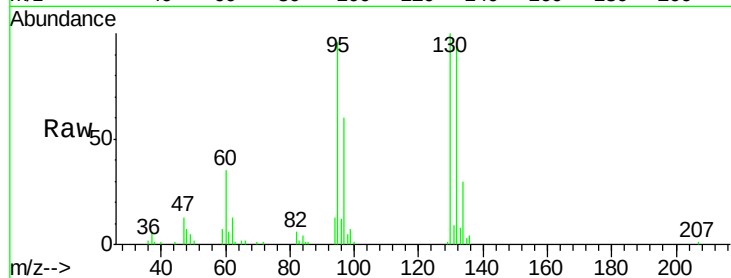




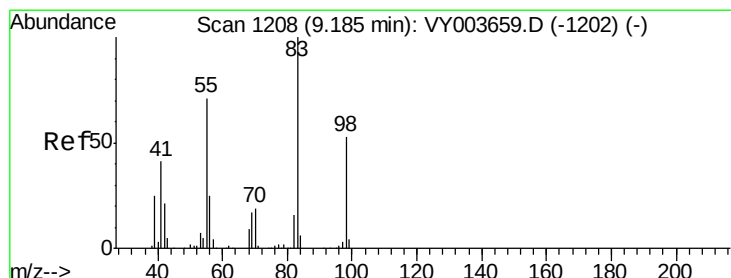
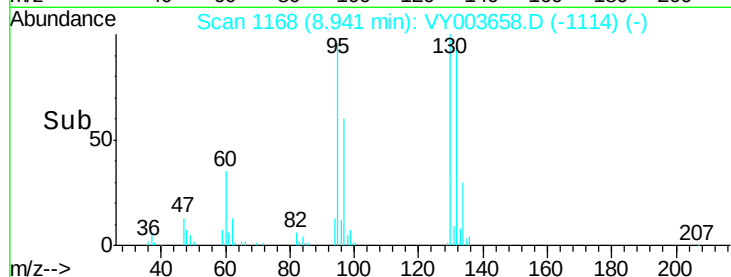
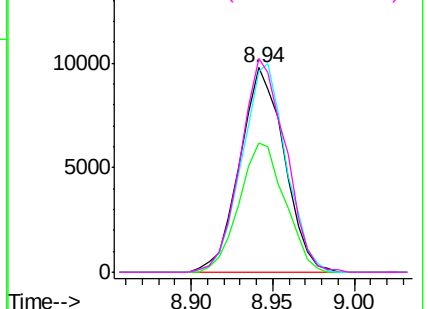
#35
 Trichloroethene
 Concen: 5.140 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VY003658.D
 Acq: 04 Dec 2020 11:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00578

Tgt Ion: 95 Resp: 18607
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.8 85.0
 132 101.4 74.2 137.8
 130 105.5 76.2 141.6

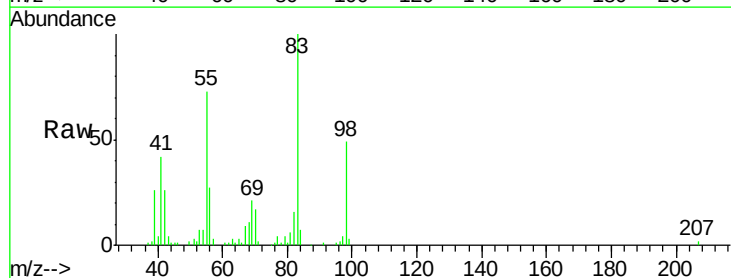


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

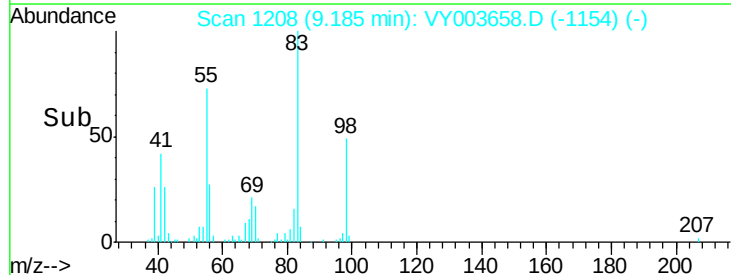
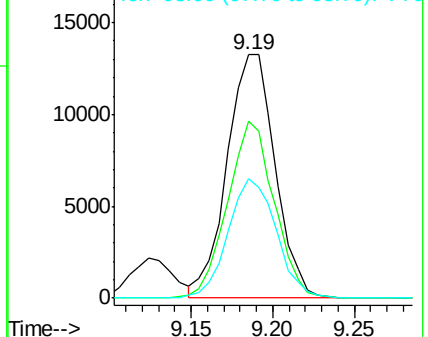


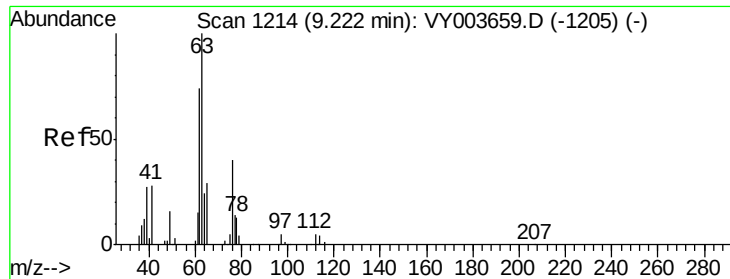
#36
 Methylcyclohexane
 Concen: 4.811 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VY003658.D
 Acq: 04 Dec 2020 11:39

Tgt Ion: 83 Resp: 27287
 Ion Ratio Lower Upper
 83 100
 55 70.1 56.4 84.6
 98 48.8 40.3 60.5



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





#40

1,2-Dichloropropane

Concen: 4.856 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampleId :

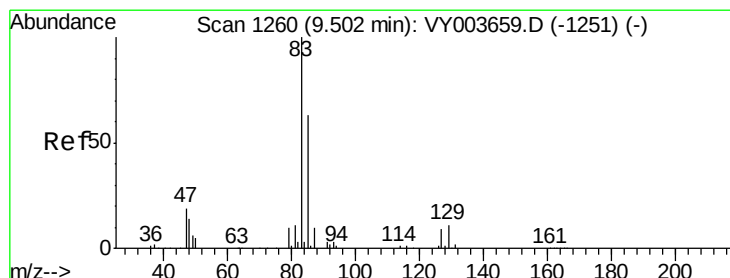
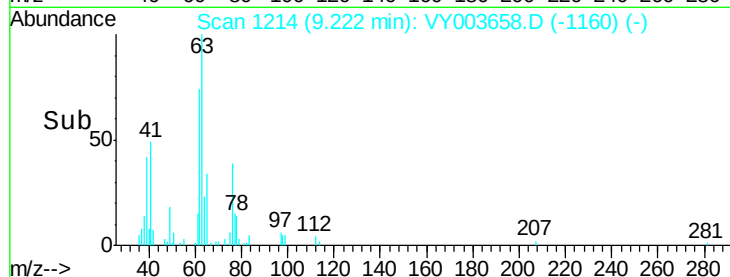
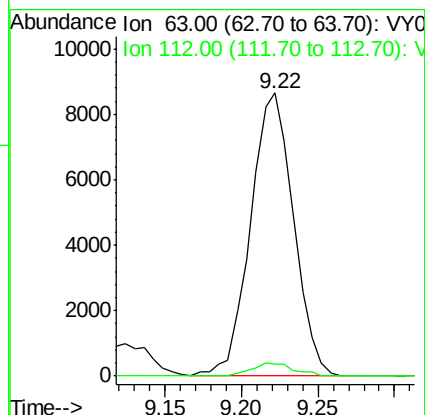
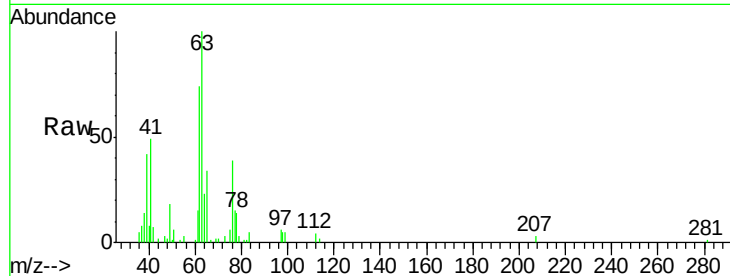
VSTD00578

Tgt Ion: 63 Resp: 16929

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#41

Bromodichloromethane

Concen: 4.864 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

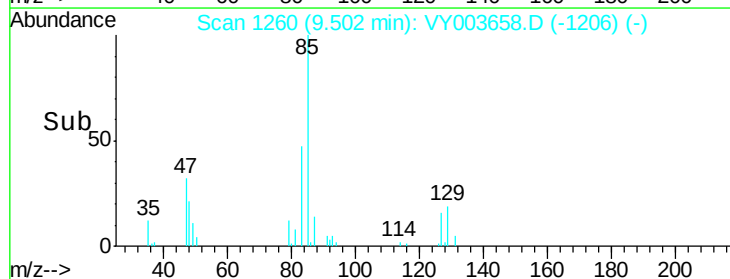
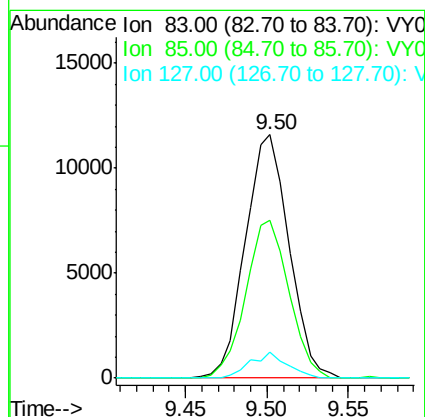
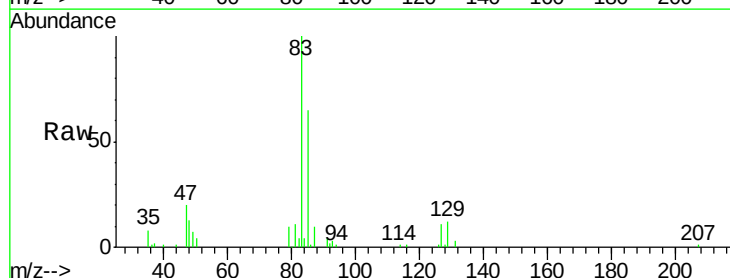
Tgt Ion: 83 Resp: 21580

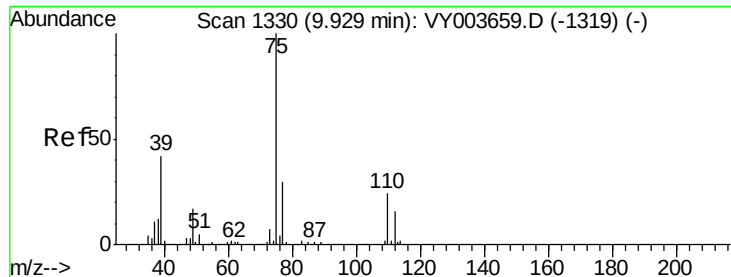
Ion Ratio Lower Upper

83 100

85 65.0 44.0 81.6

127 10.7 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 4.572 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampleId :

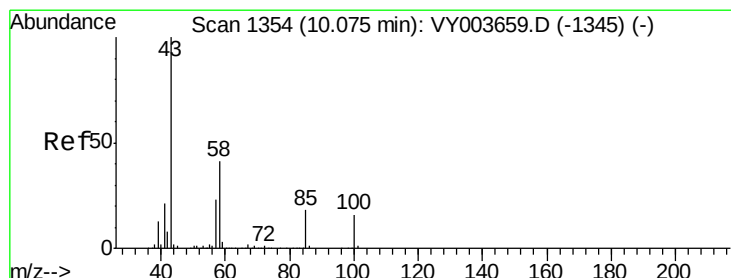
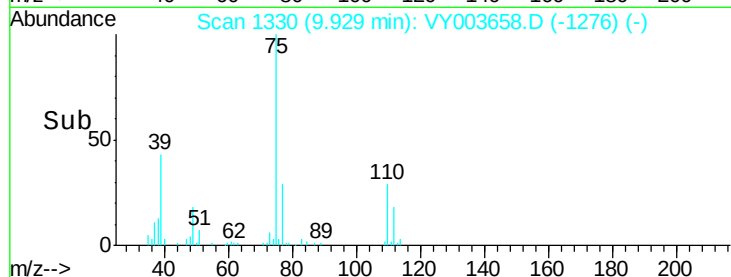
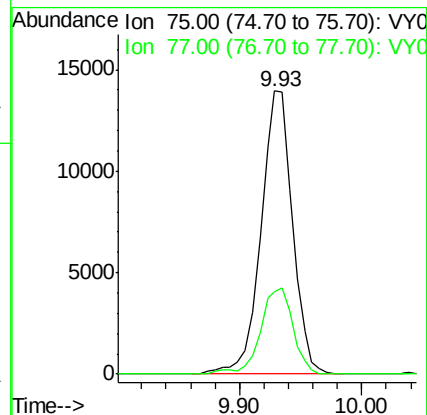
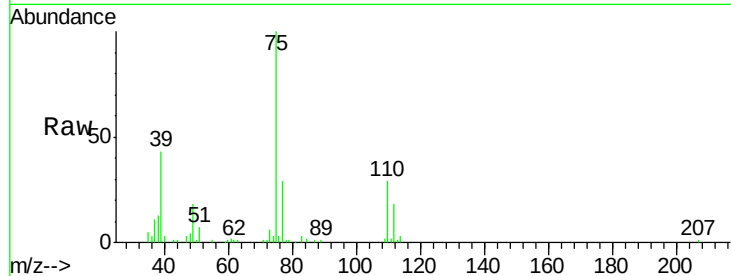
VSTD00578

Tgt Ion: 75 Resp: 25077

Ion Ratio Lower Upper

75 100

77 29.3 21.3 39.6



#43

4-Methyl-2-pentanone

Concen: 10.408 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

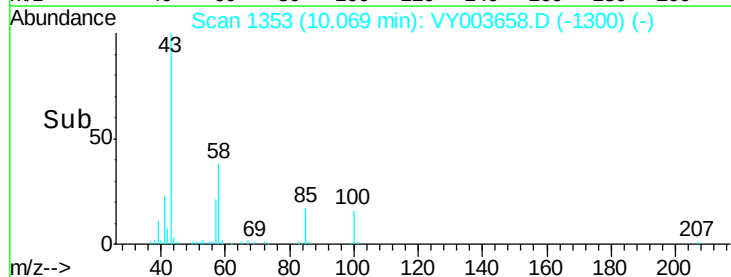
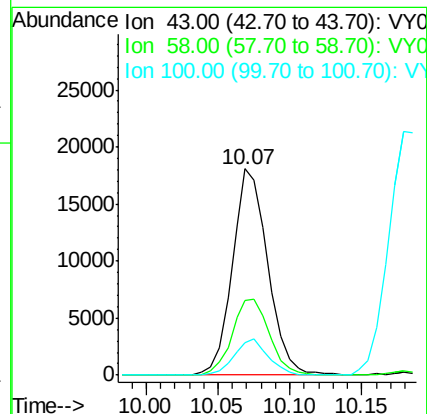
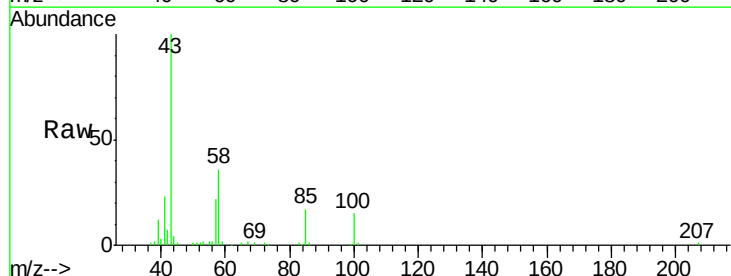
Tgt Ion: 43 Resp: 30999

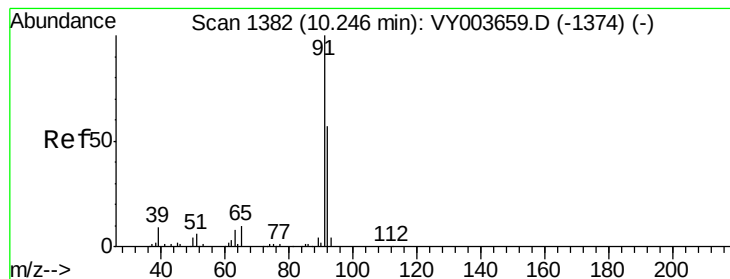
Ion Ratio Lower Upper

43 100

58 38.7 31.5 47.3

100 16.7 12.7 19.1





#44

Toluene

Concen: 4.679 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampleId :

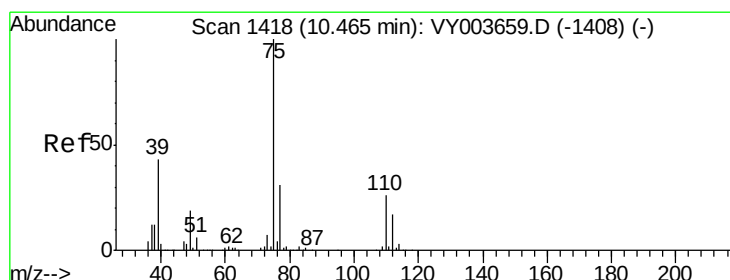
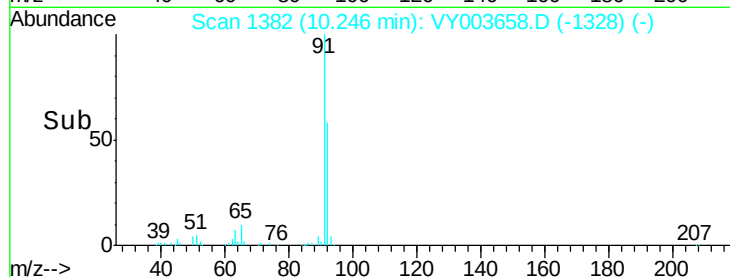
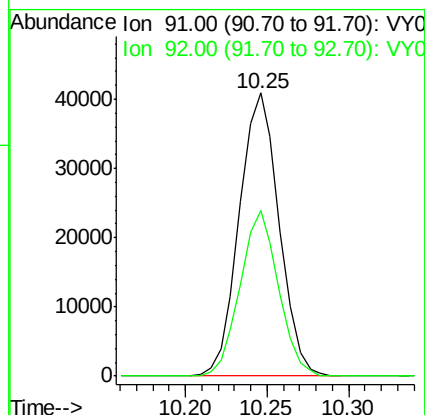
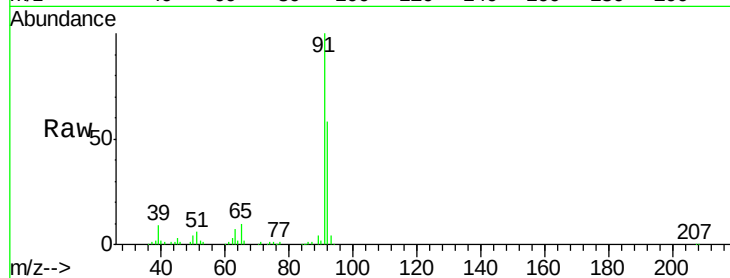
VSTD00578

Tgt Ion: 91 Resp: 69559

Ion Ratio Lower Upper

91 100

92 58.4 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 4.728 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003658.D

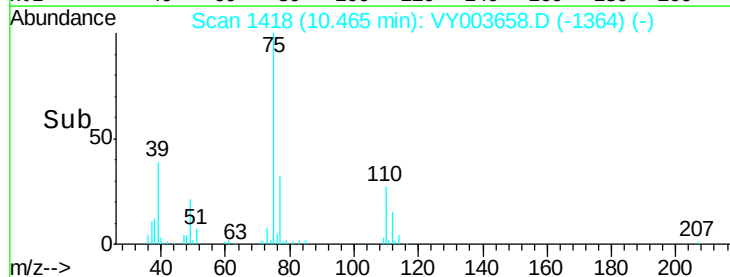
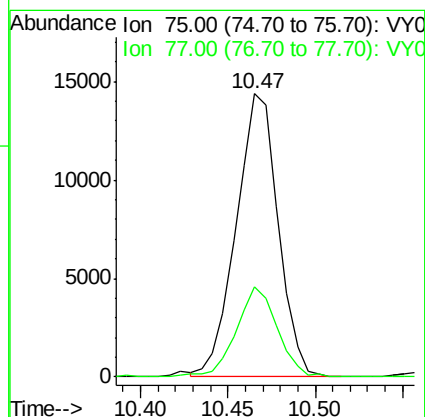
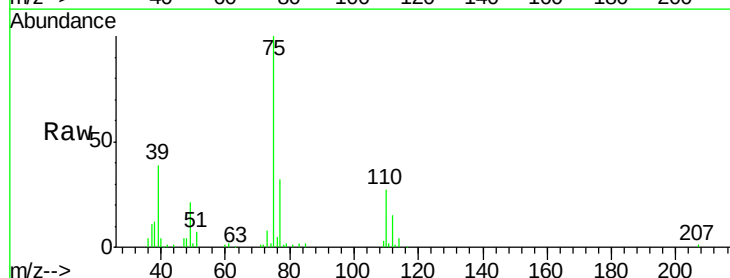
Acq: 04 Dec 2020 11:39

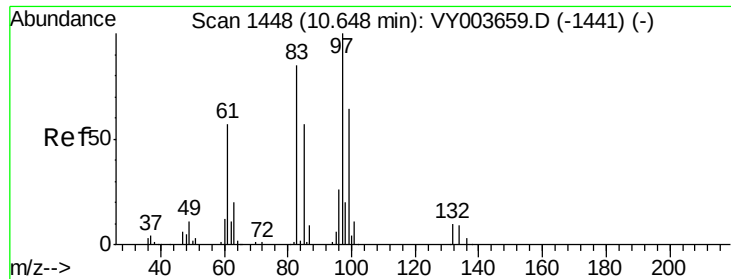
Tgt Ion: 75 Resp: 24001

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8

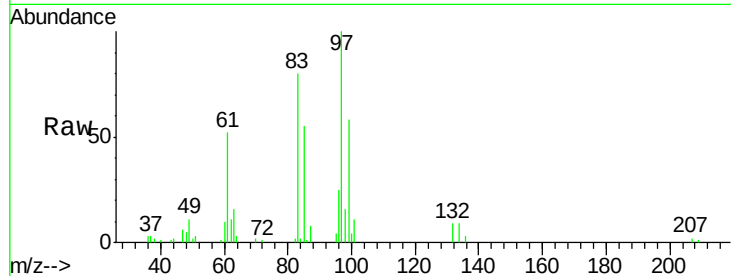




#46
1,1,2-Trichloroethane
Concen: 5.276 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00578

Tgt Ion:	97	Resp:	14885
Ion	Ratio	Lower	Upper
97	100		
83	79.7	59.6	110.8
85	55.2	40.2	74.6
99	58.5	44.7	82.9

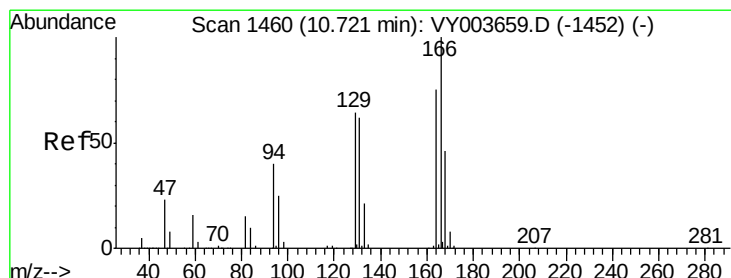
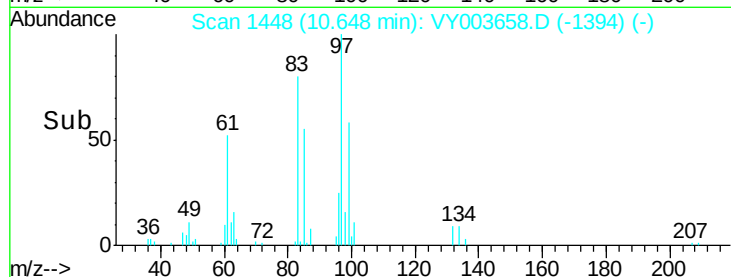
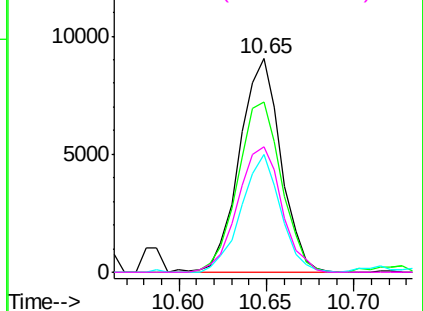


Abundance Ion 97.00 (96.70 to 97.70): VY003658.D (-1441) (-)

Ion 83.00 (82.70 to 83.70): VY003658.D (-1441) (-)

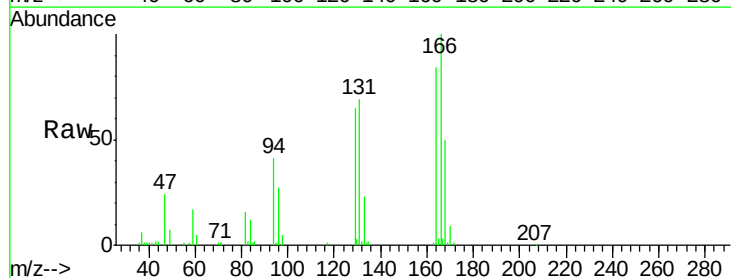
Ion 85.00 (84.70 to 85.70): VY003658.D (-1441) (-)

Ion 99.00 (98.70 to 99.70): VY003658.D (-1441) (-)



#47
Tetrachloroethene
Concen: 4.654 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Tgt Ion:	164	Resp:	14277
Ion	Ratio	Lower	Upper
164	100		
129	77.1	59.6	110.6
131	81.7	57.9	107.5
166	118.7	93.2	173.2

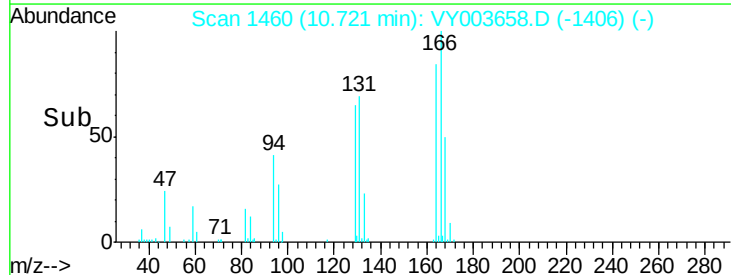
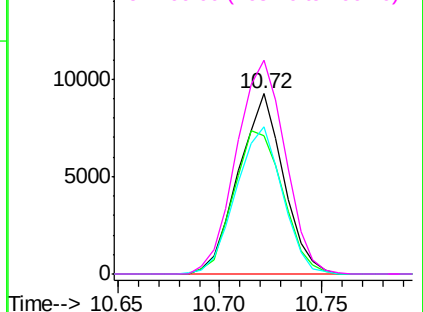


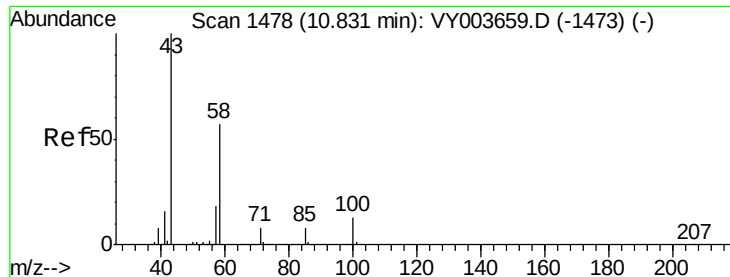
Abundance Ion 164.00 (163.70 to 164.70): VY003658.D (-1452) (-)

Ion 129.00 (128.70 to 129.70): VY003658.D (-1452) (-)

Ion 131.00 (130.70 to 131.70): VY003658.D (-1452) (-)

Ion 166.00 (165.70 to 166.70): VY003658.D (-1452) (-)

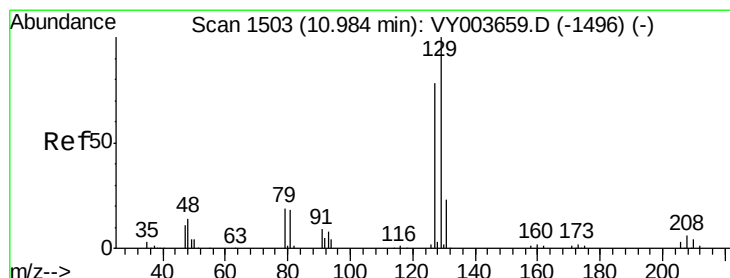
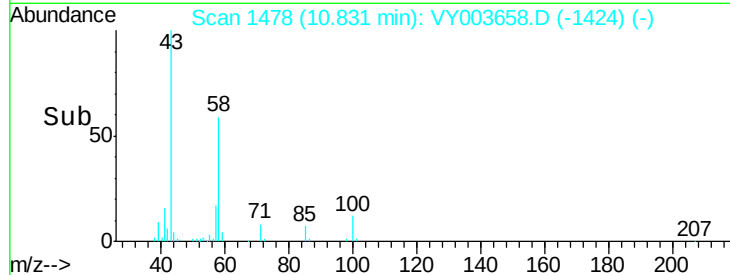
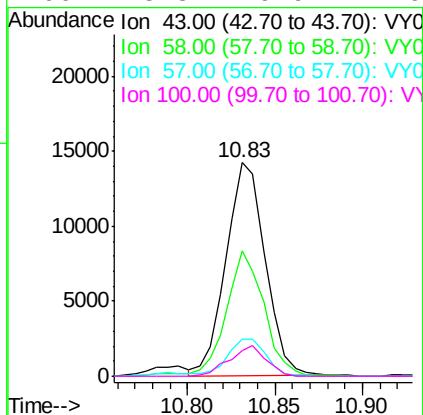
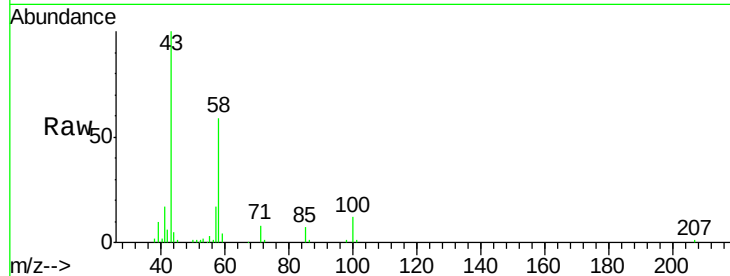




#49
2-Hexanone
Concen: 9.628 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

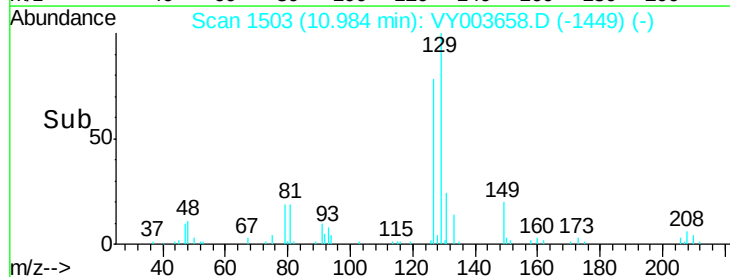
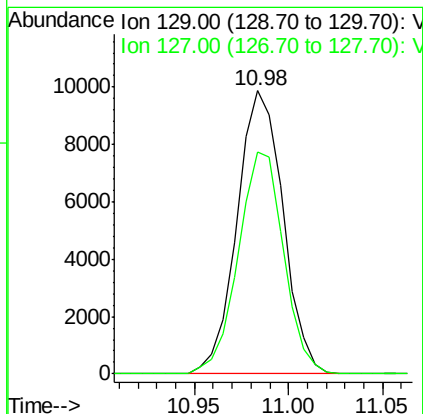
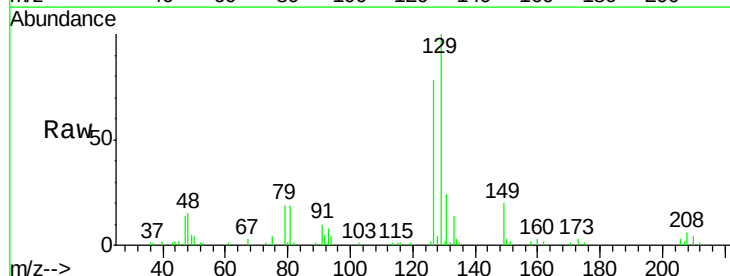
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00578

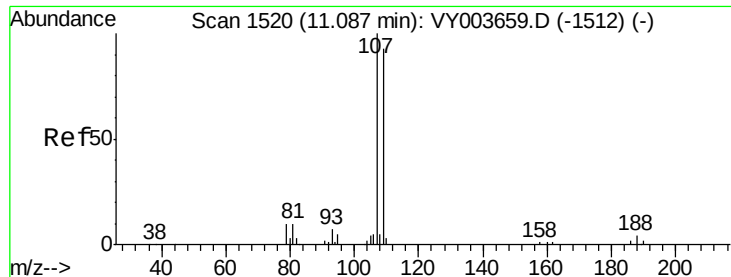
Tgt Ion: 43 Resp: 22195
Ion Ratio Lower Upper
43 100
58 55.7 44.8 67.2
57 17.4 14.8 22.2
100 13.3 9.9 14.9



#50
Dibromochloromethane
Concen: 4.929 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Tgt Ion: 129 Resp: 16723
Ion Ratio Lower Upper
129 100
127 78.4 54.8 101.8

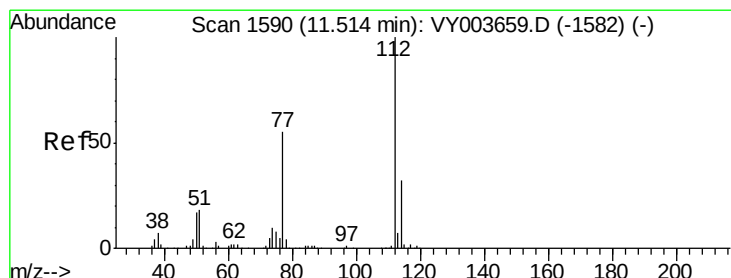
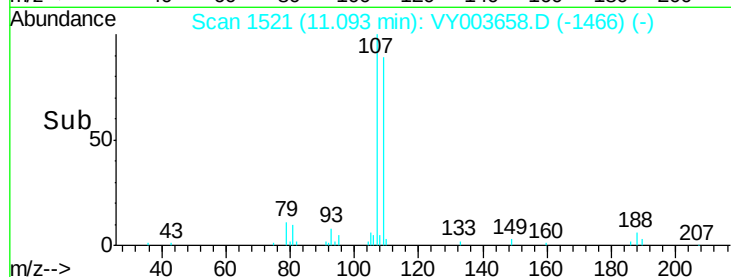
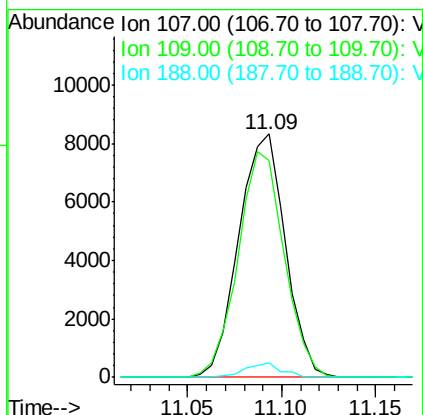
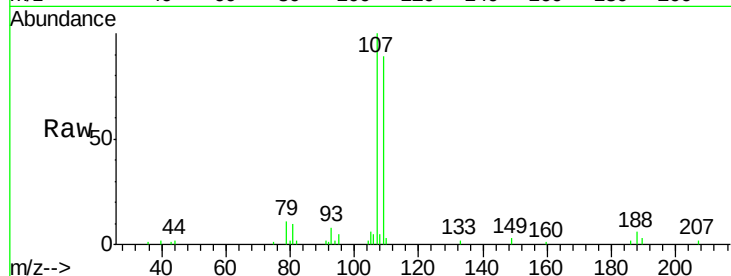




#51
1,2-Dibromoethane
Concen: 5.108 ug/L
RT: 11.09 min Scan# 1521
Delta R.T. 0.01 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

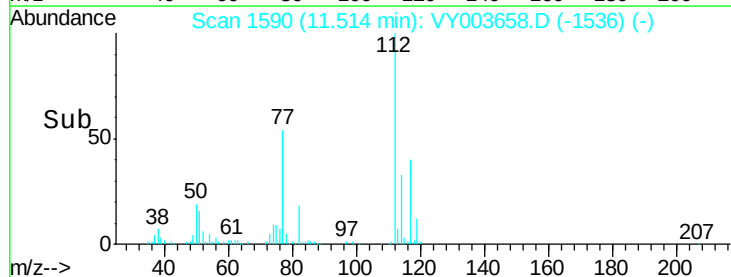
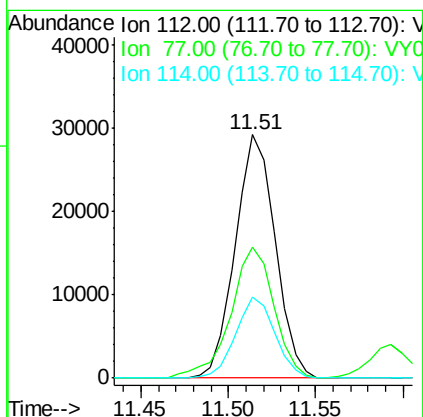
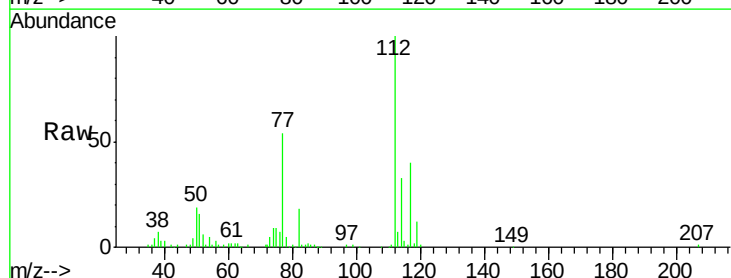
Instrument :
MSVOA_Y
ClientSampled :
VSTD00578

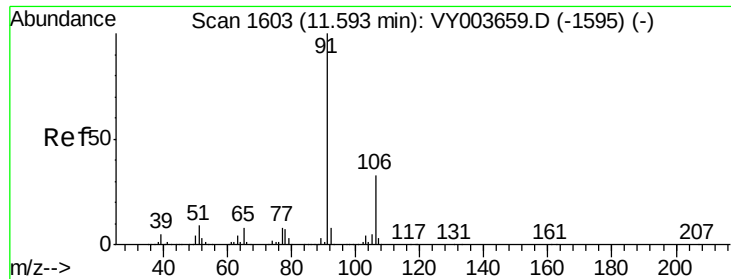
Tgt Ion:107 Resp: 14306
Ion Ratio Lower Upper
107 100
109 89.1 65.2 121.0
188 6.0 3.0 4.6#



#52
Chlorobenzene
Concen: 4.886 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Tgt Ion:112 Resp: 46584
Ion Ratio Lower Upper
112 100
77 54.0 44.4 66.6
114 33.2 22.4 41.6

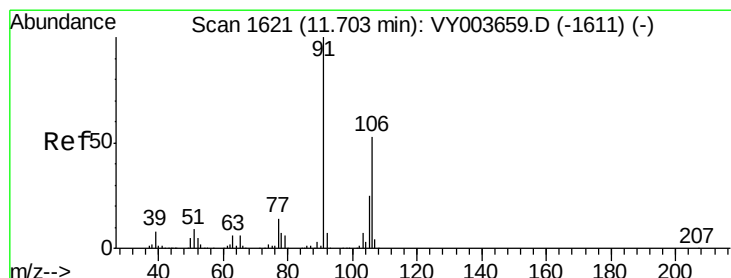
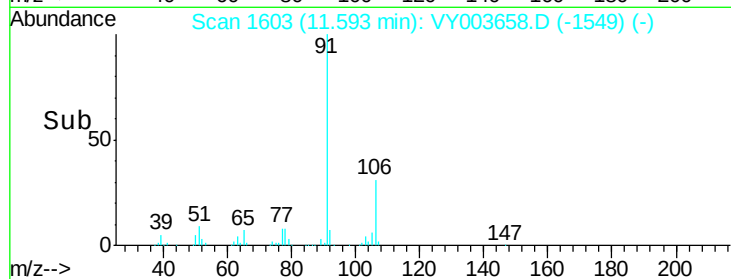
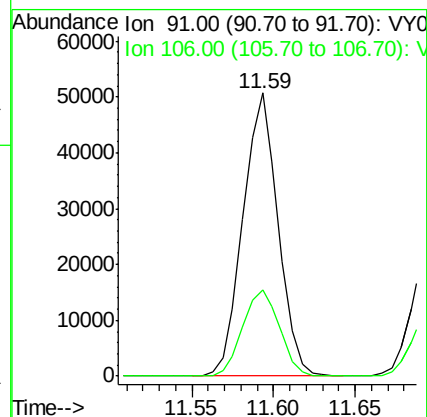
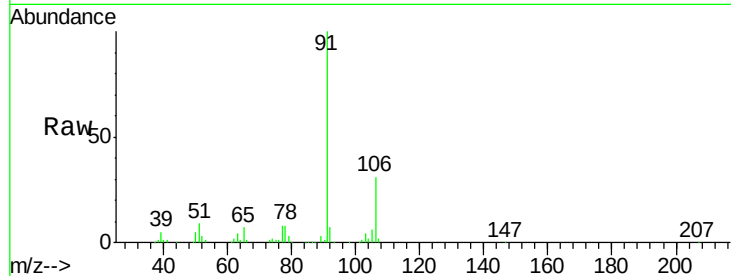




#53
Ethylbenzene
Concen: 4.950 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

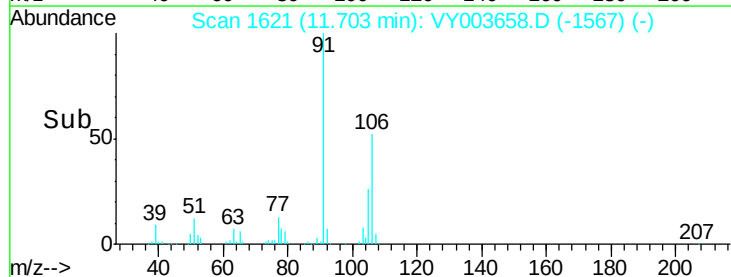
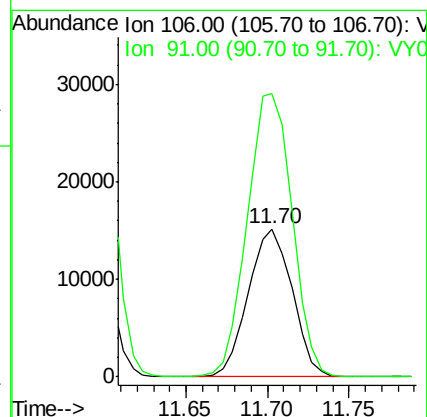
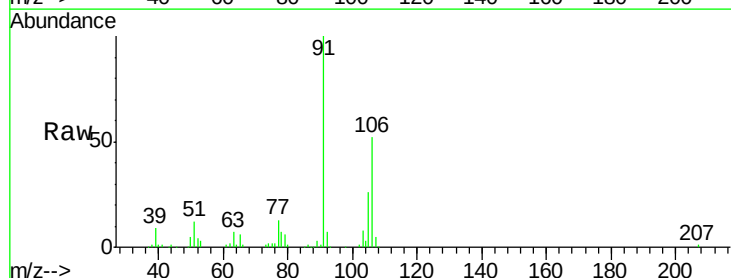
Instrument :
MSVOA_Y
ClientSampled :
VSTD00578

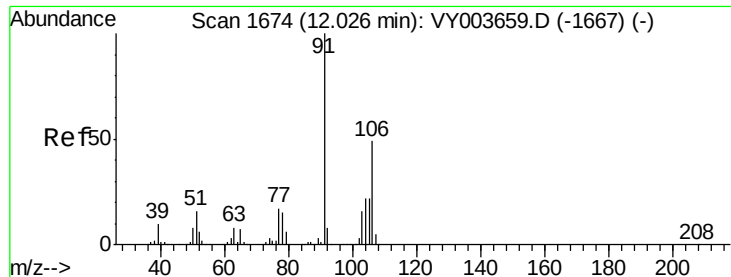
Tgt Ion: 91 Resp: 76046
Ion Ratio Lower Upper
91 100
106 30.6 23.3 43.3



#54
m,p-Xylene
Concen: 4.791 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Tgt Ion: 106 Resp: 28482
Ion Ratio Lower Upper
106 100
91 191.5 131.3 243.9

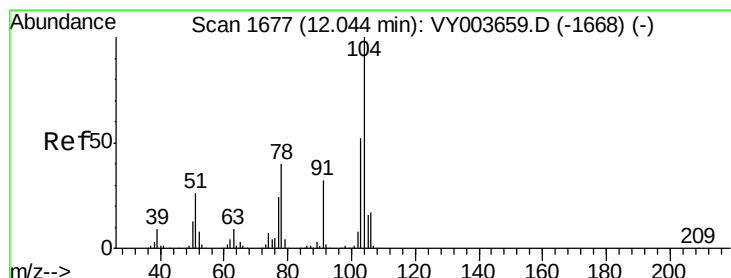
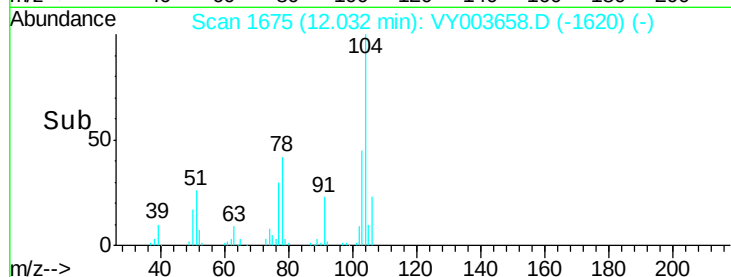
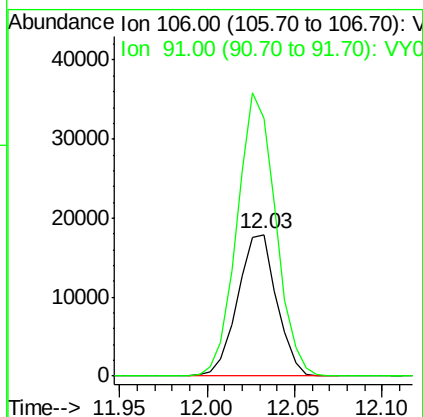
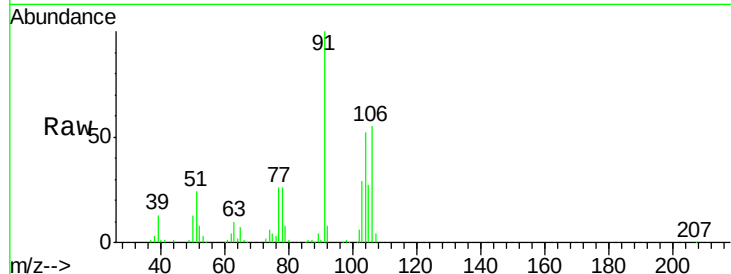




#55
o-xylene
Concen: 5.488 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

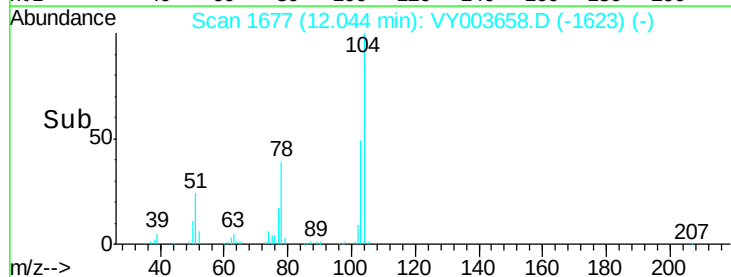
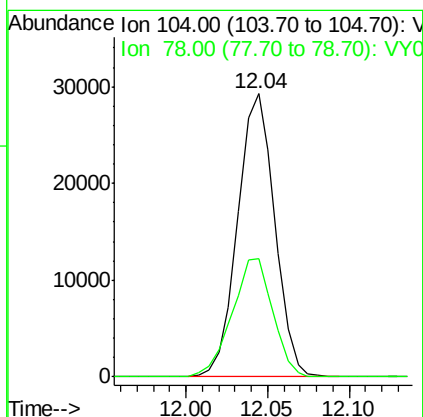
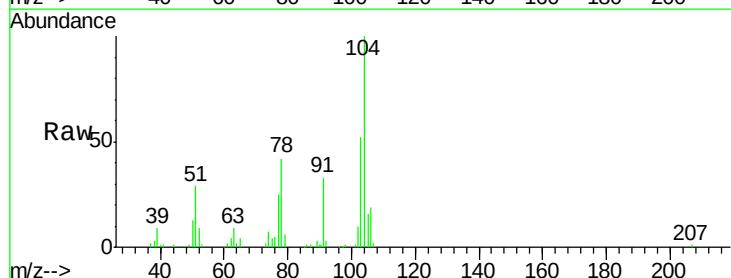
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00578

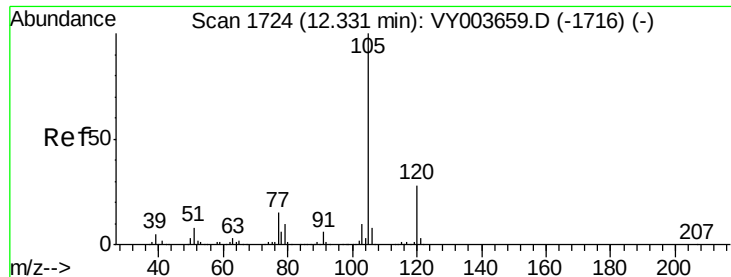
Tgt Ion:106 Resp: 27881
Ion Ratio Lower Upper
106 100
91 181.6 141.7 263.3



#56
Styrene
Concen: 4.778 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VY003658.D
Acq: 04 Dec 2020 11:39

Tgt Ion:104 Resp: 46424
Ion Ratio Lower Upper
104 100
78 41.6 28.1 52.1





#57

Isopropylbenzene

Concen: 5.999 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00578

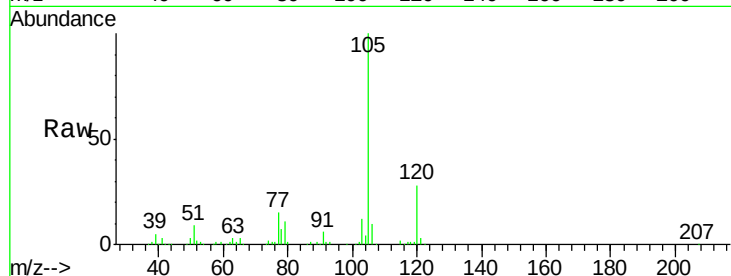
Tgt Ion: 105 Resp: 71485

Ion Ratio Lower Upper

105 100

120 27.9 22.3 33.5

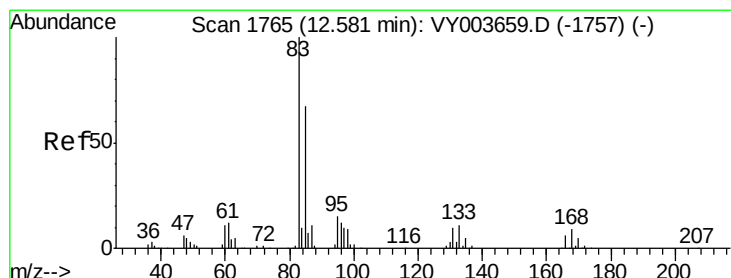
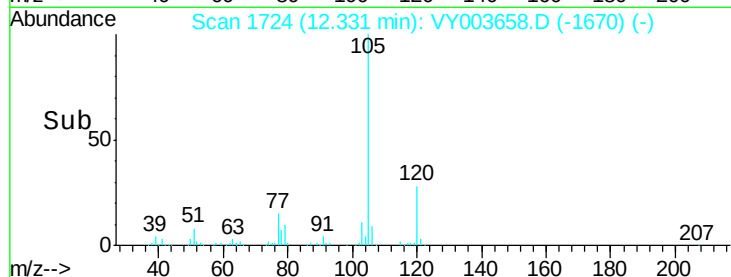
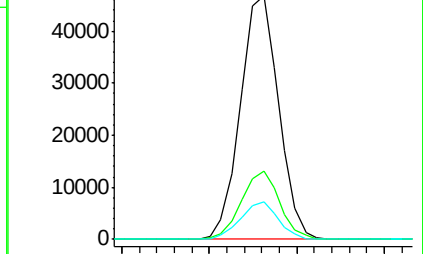
77 15.3 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VY003658.D (-1716) (-)

Ion 120.00 (119.70 to 120.70): VY003658.D (-1716) (-)

Ion 77.00 (76.70 to 77.70): VY003658.D (-1716) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.815 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

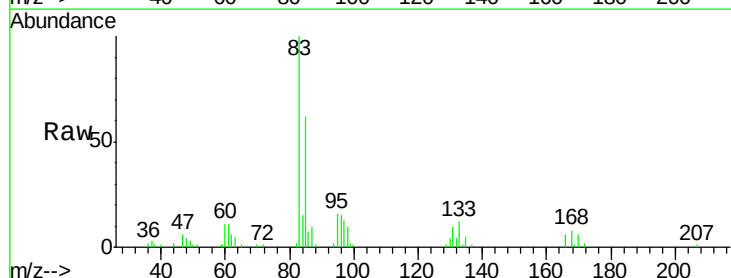
Tgt Ion: 83 Resp: 15775

Ion Ratio Lower Upper

83 100

85 62.4 47.2 87.6

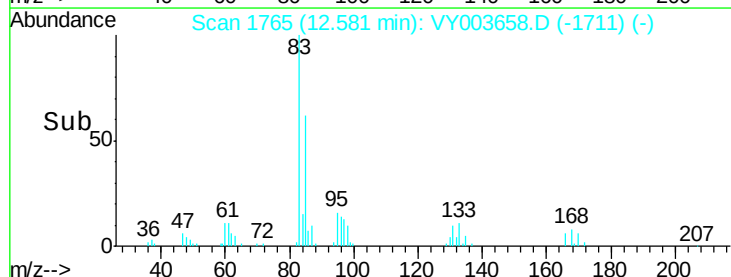
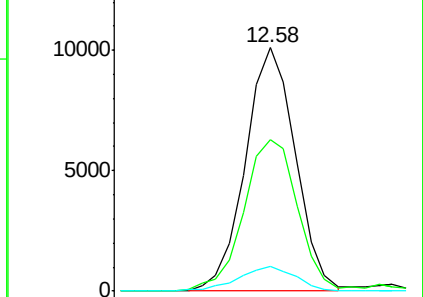
131 10.1 8.4 12.6

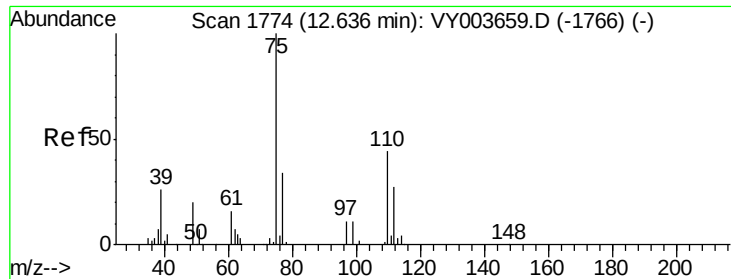


Abundance Ion 83.00 (82.70 to 83.70): VY003658.D (-1711) (-)

Ion 85.00 (84.70 to 85.70): VY003658.D (-1711) (-)

Ion 131.00 (130.70 to 131.70): VY003658.D (-1711) (-)

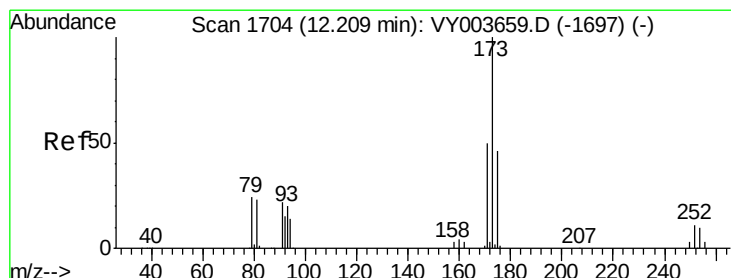
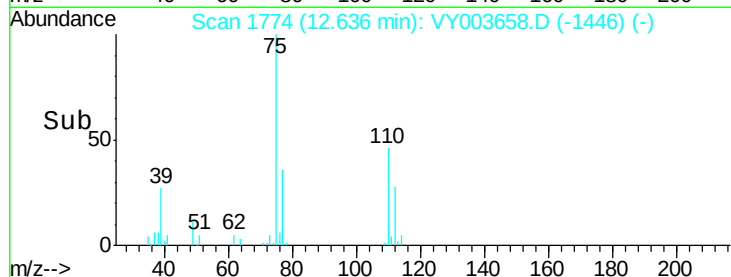
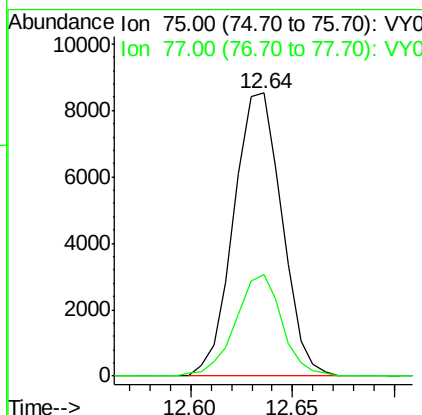
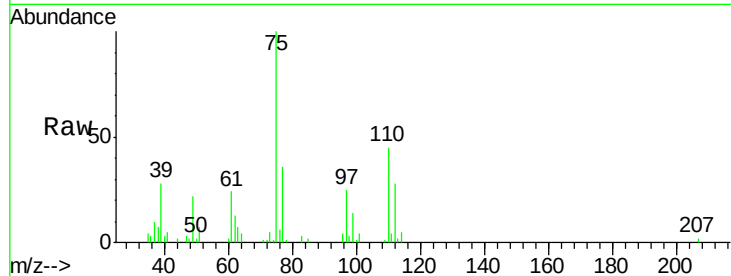




#59
 1,2,3-Trichloropropane
 Concen: 5.335 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VY003658.D
 Acq: 04 Dec 2020 11:39

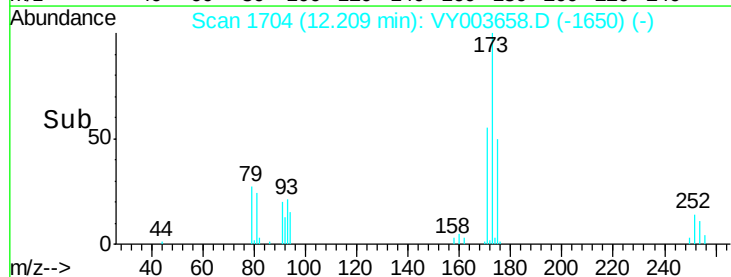
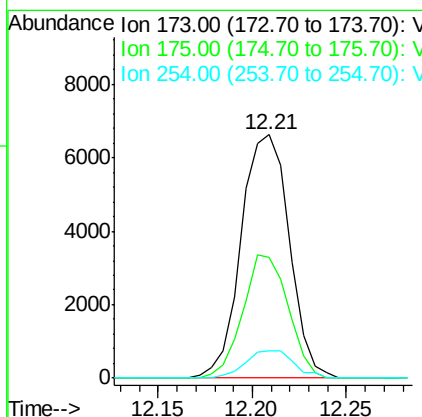
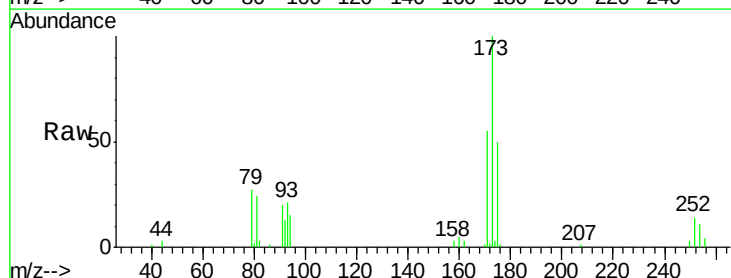
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00578

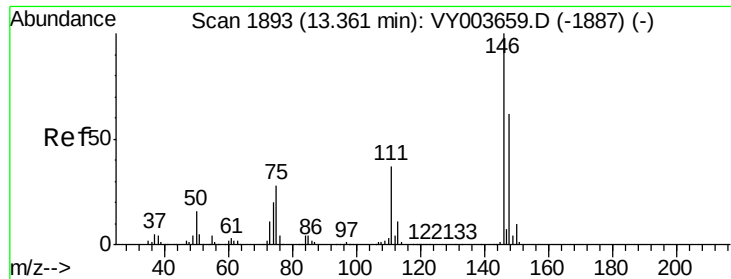
Tgt Ion: 75 Resp: 14013
 Ion Ratio Lower Upper
 75 100
 77 34.6 25.9 38.9



#62
 Bromoform
 Concen: 4.901 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VY003658.D
 Acq: 04 Dec 2020 11:39

Tgt Ion: 173 Resp: 11710
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.1 58.7
 254 11.5 7.7 11.5

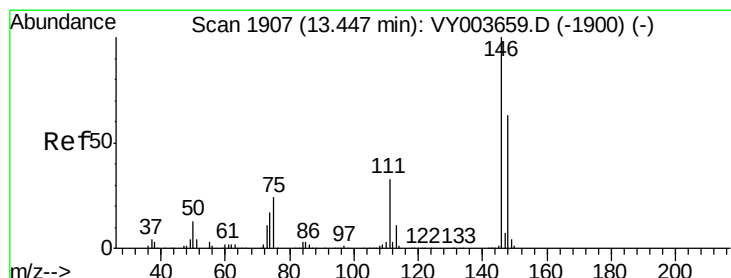
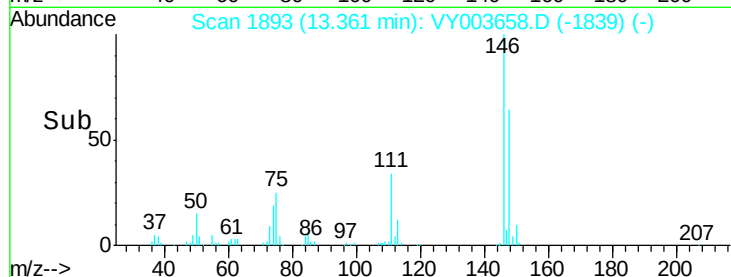
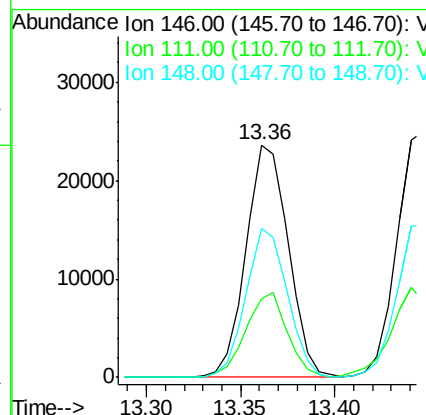
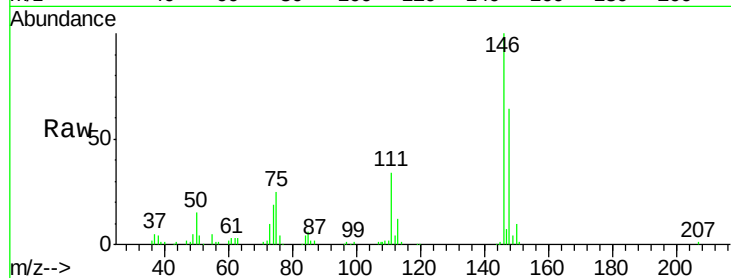




#63
 1,3-Dichlorobenzene
 Concen: 4.968 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VY003658.D
 Acq: 04 Dec 2020 11:39

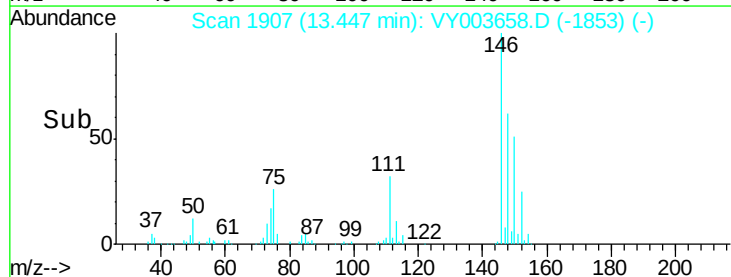
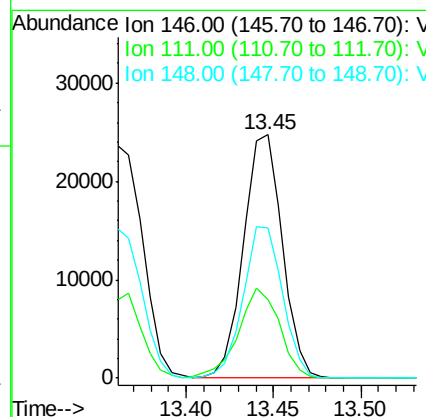
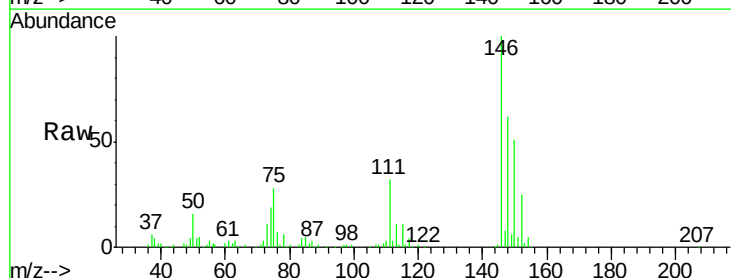
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00578

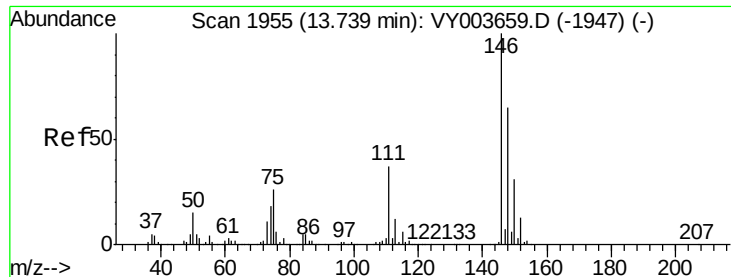
Tgt Ion:146 Resp: 36886
 Ion Ratio Lower Upper
 146 100
 111 33.7 26.0 48.4
 148 64.1 43.7 81.1



#64
 1,4-Dichlorobenzene
 Concen: 4.986 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003658.D
 Acq: 04 Dec 2020 11:39

Tgt Ion:146 Resp: 38243
 Ion Ratio Lower Upper
 146 100
 111 32.1 23.2 43.0
 148 61.9 43.8 81.4





#65

1,2-Dichlorobenzene

Concen: 5.414 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampled :

VSTD00578

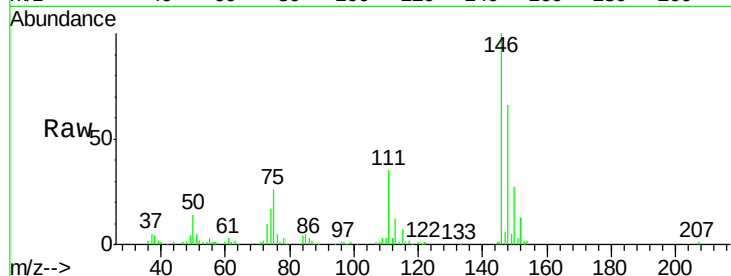
Tgt Ion:146 Resp: 34004

Ion Ratio Lower Upper

146 100

111 34.9 30.0 45.0

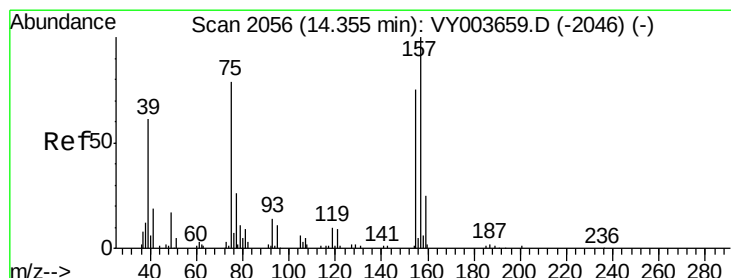
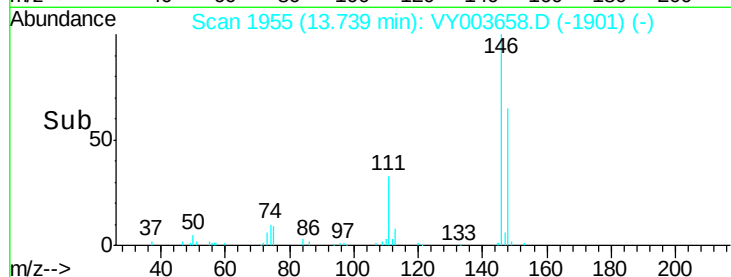
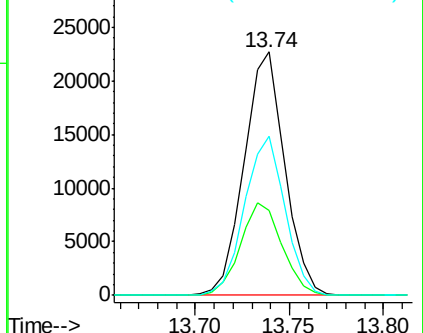
148 65.6 51.8 77.8



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: 5.550 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

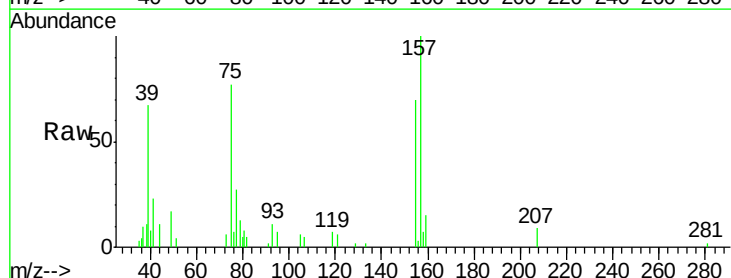
Tgt Ion: 75 Resp: 3049

Ion Ratio Lower Upper

75 100

157 129.3 101.3 151.9

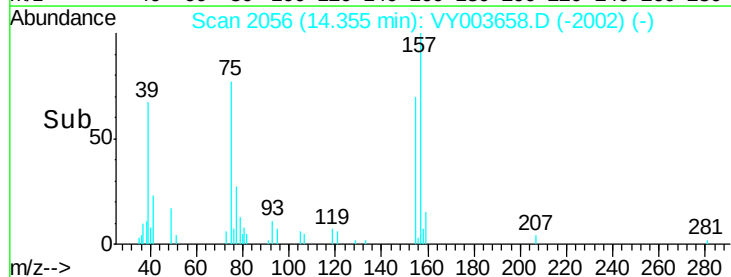
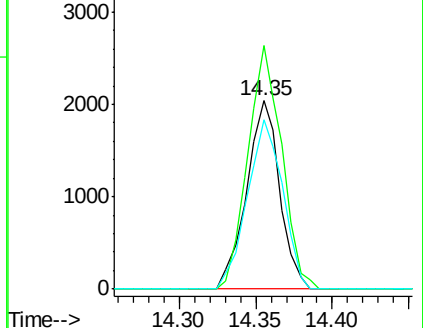
155 90.2 76.2 114.4

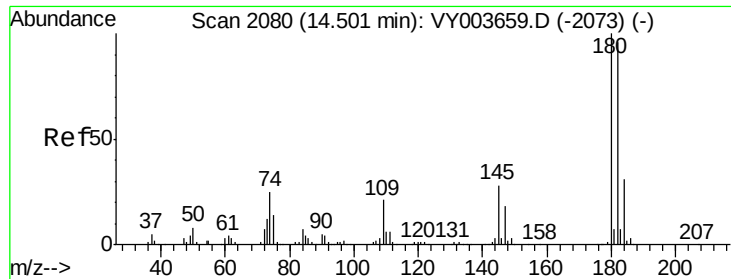


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

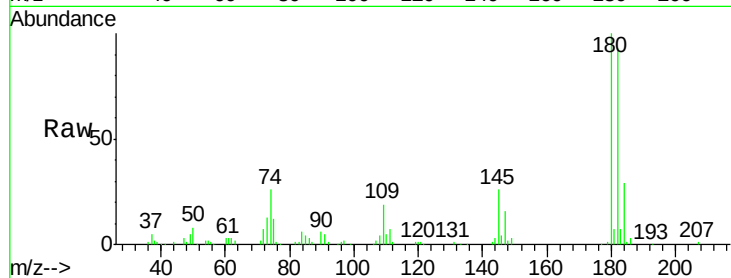




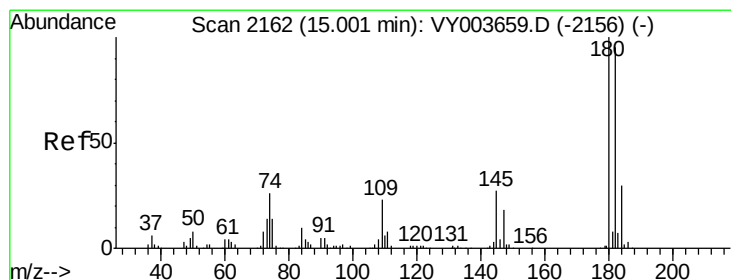
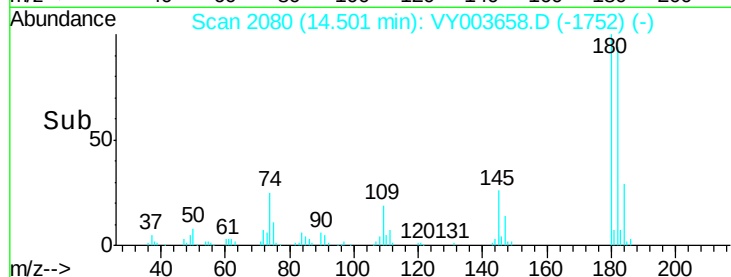
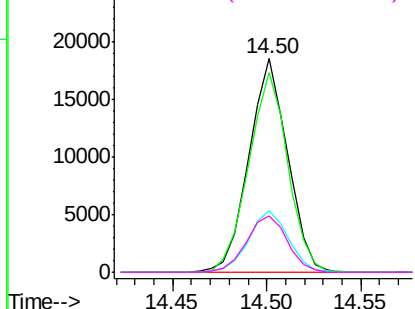
#67
 1,3,5-Trichlorobenzene
 Concen: 6.296 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003658.D
 Acq: 04 Dec 2020 11:39

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD00578

Tgt Ion:180 Resp: 26469
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.0 114.0
 184 29.7 24.2 36.2
 145 27.6 22.2 33.2

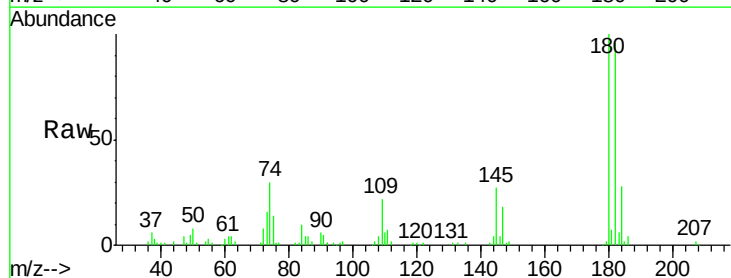


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

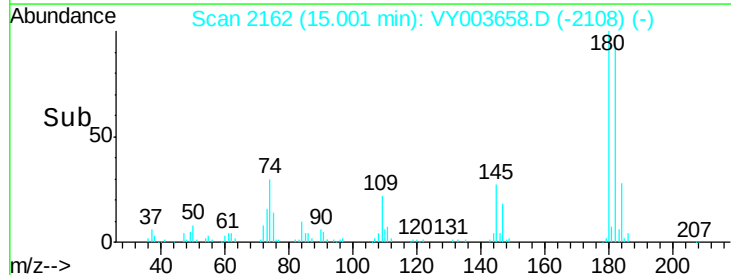
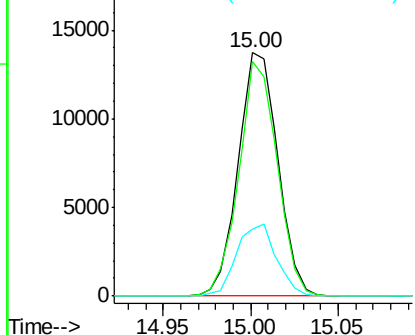


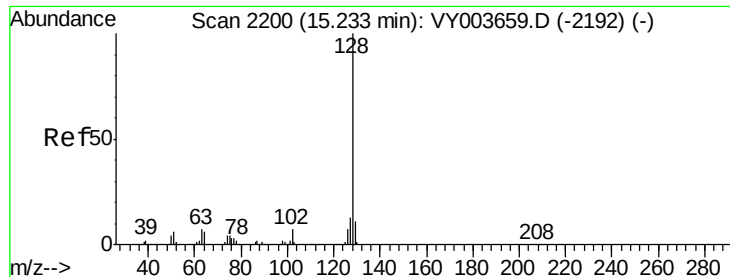
#68
 1,2,4-trichlorobenzene
 Concen: 6.043 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VY003658.D
 Acq: 04 Dec 2020 11:39

Tgt Ion:180 Resp: 21797
 Ion Ratio Lower Upper
 180 100
 182 92.8 76.5 114.7
 145 29.4 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: 6.451 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00578

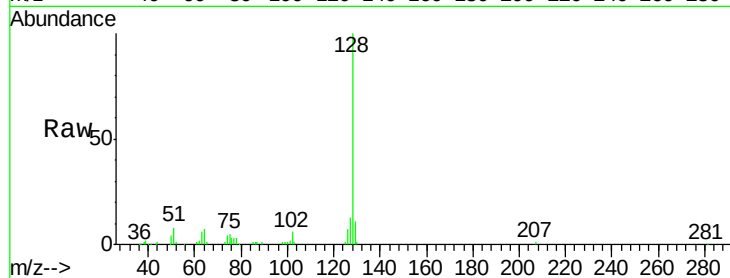
Tgt Ion:128 Resp: 43234

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

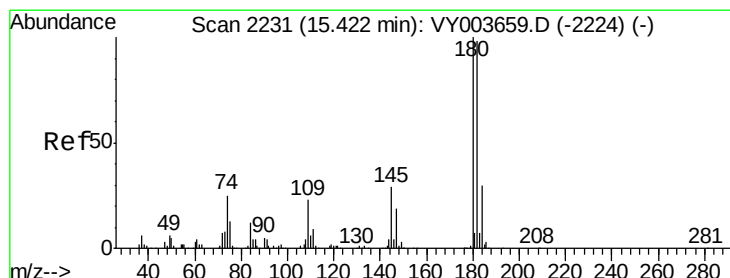
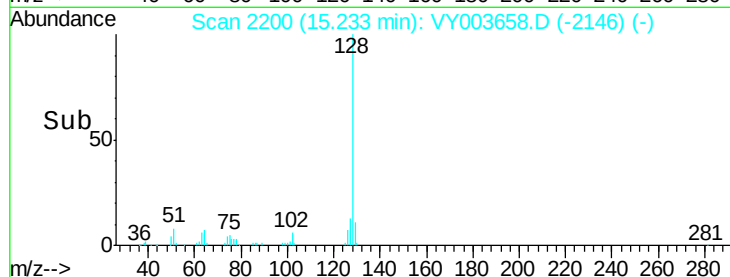
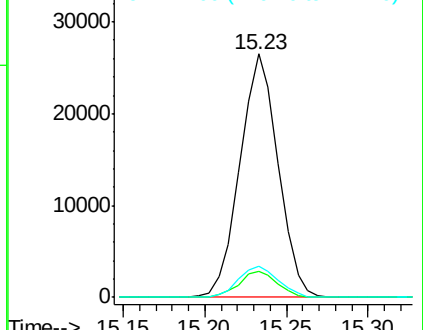
127 13.1 10.2 15.4



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: 6.911 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VY003658.D

Acq: 04 Dec 2020 11:39

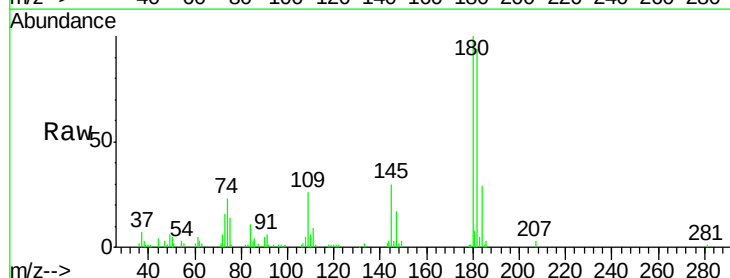
Tgt Ion:180 Resp: 19893

Ion Ratio Lower Upper

180 100

182 94.4 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

