

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121420\
 Data File : VY003743.D
 Acq On : 14 Dec 2020 12:01
 Operator : SY/MD
 Sample : VSTD2.578
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Quant Time: Dec 14 13:21:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 13:19:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	364537	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	338393	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	172969	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	12813	2.54	ug/L	0.00
7) Chloroethane-d5	2.77	69	9570	2.50	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	26815	2.75	ug/L	0.00
20) 2-Butanone-d5	6.90	46	10195	5.27	ug/L	0.00
24) Chloroform-d	7.49	84	23858	2.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	14026	2.66	ug/L	0.00
29) Benzene-d6	8.12	84	50229	2.58	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	15788	2.71	ug/L	0.00
37) Toluene-d8	10.18	98	43497	2.49	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	7407	2.67	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	7405	4.88	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	12744	2.46	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	15672	2.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	17345	3.927 ug/L	96
3) Chloromethane	2.12	50	15636	3.363 ug/L	99
5) Vinyl chloride	2.26	62	15096	3.103 ug/L	94
6) Bromomethane	2.66	94	9064	2.945 ug/L	100
8) Chloroethane	2.80	64	8650	2.936 ug/L	98
9) Trichlorofluoromethane	3.14	101	23265	3.132 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	13771	2.909 ug/L	99
12) 1,1-Dichloroethene	3.89	96	13051	2.941 ug/L #	76
13) Acetone	3.95	43	8231	5.929 ug/L	99
14) Carbon disulfide	4.20	76	45412	3.018 ug/L	98
15) Methyl Acetate	4.48	43	10239	2.921 ug/L #	77
16) Methylene chloride	4.73	84	21930	3.378 ug/L	94
17) Methyl tert-butyl Ether	5.24	73	34824	2.758 ug/L #	81
18) trans-1,2-Dichloroethene	5.24	96	13830	2.768 ug/L	91
19) 1,1-Dichloroethane	6.03	63	23799	2.810 ug/L	97
21) 2-Butanone	7.00	43	13896	5.687 ug/L	85
22) cis-1,2-Dichloroethene	7.00	96	14544	2.739 ug/L	94
23) Bromochloromethane	7.35	128	7116	2.688 ug/L	97
25) Chloroform	7.51	83	23400	2.750 ug/L	98
27) 1,2-Dichloroethane	8.25	62	16383	2.842 ug/L	98
30) Cyclohexane	7.79	56	23436	3.064 ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	21303	2.872 ug/L	100
32) Carbon tetrachloride	7.90	117	18423	2.816 ug/L	98
34) Benzene	8.17	78	54522	2.761 ug/L	100
35) Trichloroethene	8.95	95	14637	2.706 ug/L	97
36) Methylcyclohexane	9.18	83	24645	2.933 ug/L	98
40) 1,2-Dichloropropane	9.22	63	14456	2.901 ug/L	98
41) Bromodichloromethane	9.50	83	17791	2.823 ug/L	93
42) cis-1,3-Dichloropropene	9.93	75	21792	2.777 ug/L	97
43) 4-Methyl-2-pentanone	10.08	43	27323	5.779 ug/L	98

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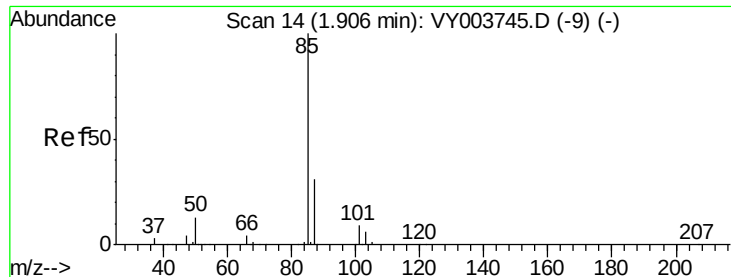
Instrument :
 MSVOA_Y
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	10.25	91	55942	2.690	ug/L	95
45) trans-1,3-Dichloropropene	10.47	75	19864	2.745	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	11286	2.652	ug/L	98
47) Tetrachloroethene	10.72	164	12375	2.947	ug/L	94
49) 2-Hexanone	10.83	43	17281	5.191	ug/L	99
50) Dibromochloromethane	10.99	129	13016	2.617	ug/L	94
51) 1,2-Dibromoethane	11.09	107	10871	2.628	ug/L #	95
52) Chlorobenzene	11.51	112	37931	2.785	ug/L	96
53) Ethylbenzene	11.59	91	62252	2.735	ug/L	95
54) m,p-Xylene	11.70	106	24964	2.855	ug/L	98
55) o-xylene	12.03	106	21539	2.567	ug/L	98
56) Styrene	12.04	104	36359	2.538	ug/L	95
57) Isopropylbenzene	12.33	105	59613	2.714	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	13185	2.833	ug/L	99
59) 1,2,3-Trichloropropane	12.64	75	11177	2.728	ug/L	95
62) Bromoform	12.21	173	8378	2.523	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	28301	2.710	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	30084	2.845	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	26343	2.754	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	2860	3.195	ug/L	86
67) 1,3,5-Trichlorobenzene	14.50	180	19761	2.680	ug/L	98
68) 1,2,4-trichlorobenzene	15.01	180	17201	2.745	ug/L	98
69) Naphthalene	15.23	128	35666	2.656	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	15994	2.802	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 3.927 ug/L

RT: 1.91 min Scan# 15

Delta R.T. 0.01 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

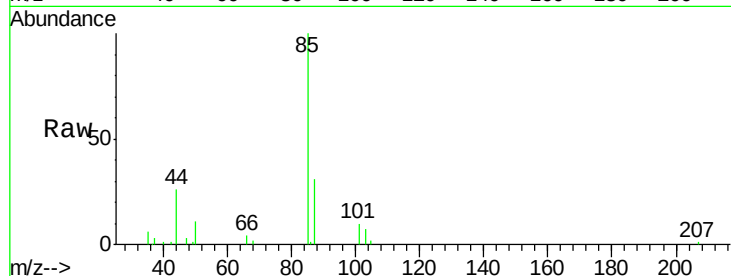
VSTD2.578

Tgt Ion: 85 Resp: 17345

Ion Ratio Lower Upper

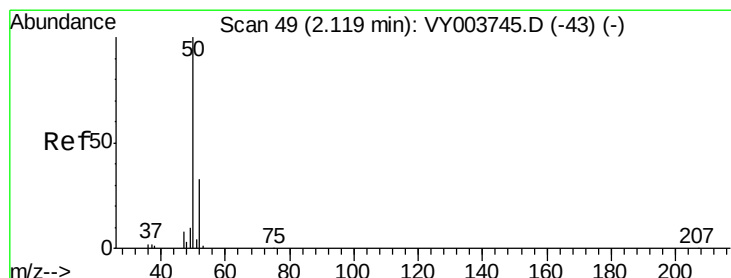
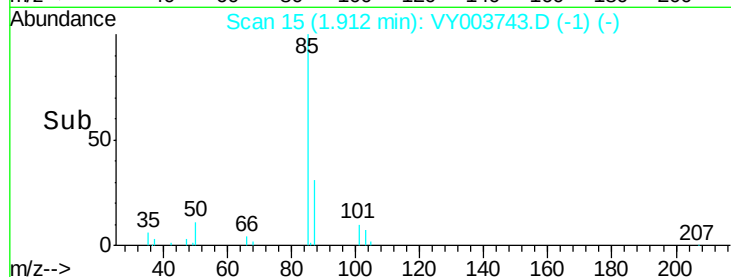
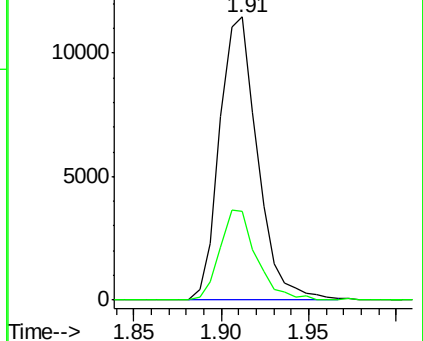
85 100

87 30.5 22.7 42.3



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 3.363 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003743.D

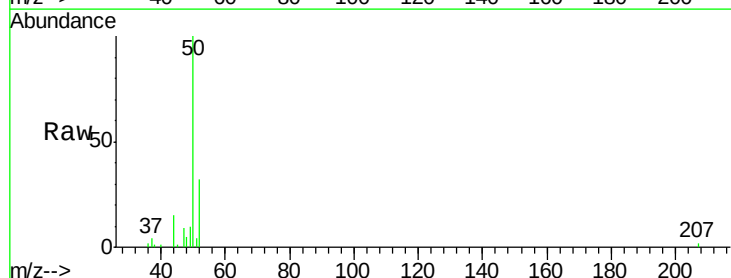
Acq: 14 Dec 2020 12:01

Tgt Ion: 50 Resp: 15636

Ion Ratio Lower Upper

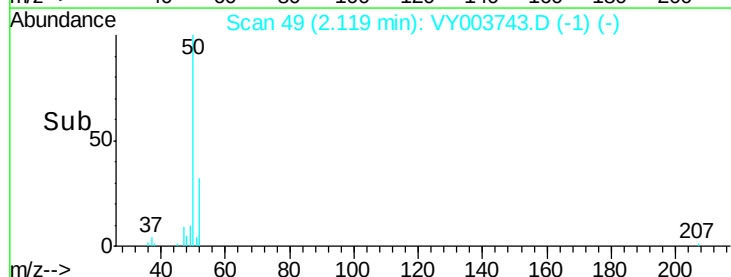
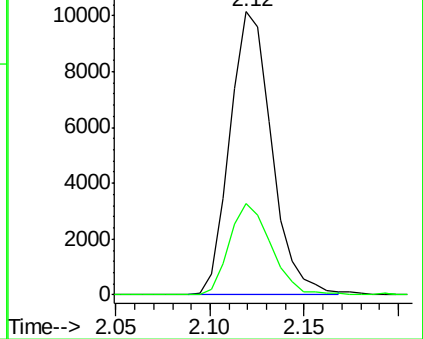
50 100

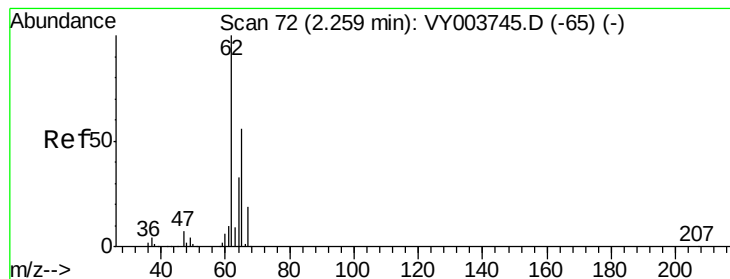
52 32.3 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 3.103 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampled :

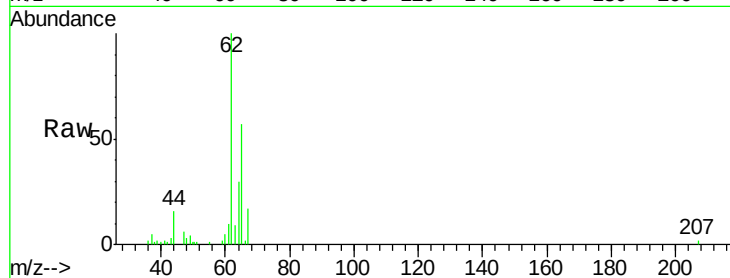
VSTD2.578

Tgt Ion: 62 Resp: 15096

Ion Ratio Lower Upper

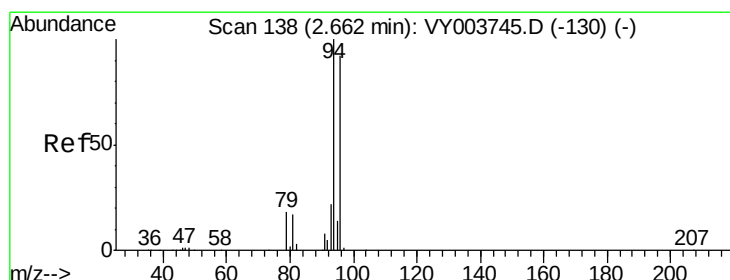
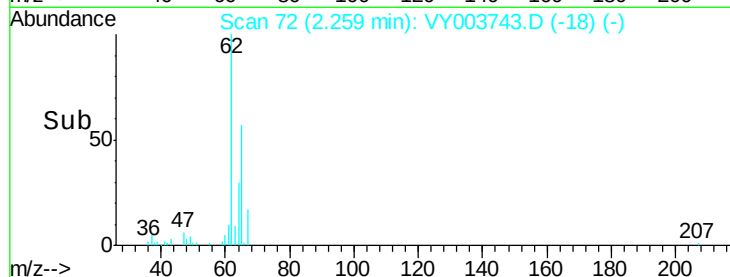
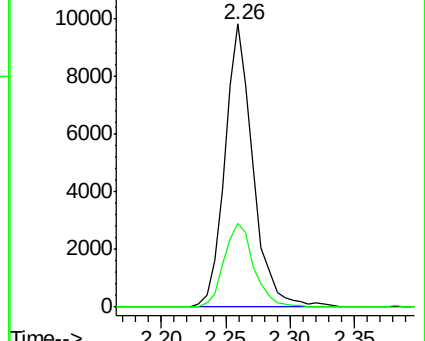
62 100

64 29.7 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 2.945 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003743.D

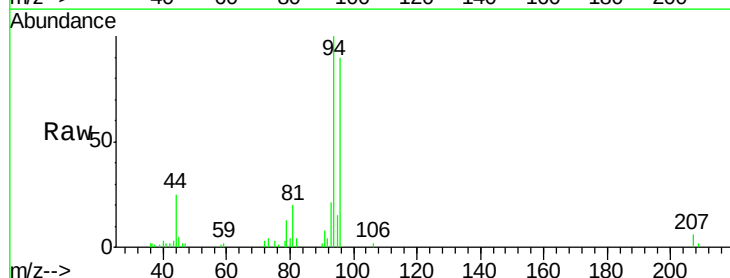
Acq: 14 Dec 2020 12:01

Tgt Ion: 94 Resp: 9064

Ion Ratio Lower Upper

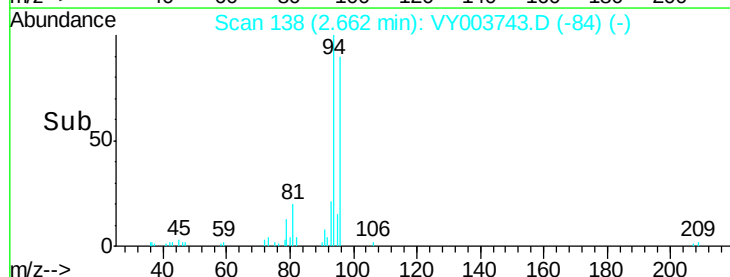
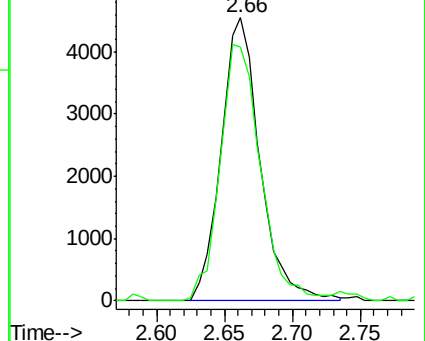
94 100

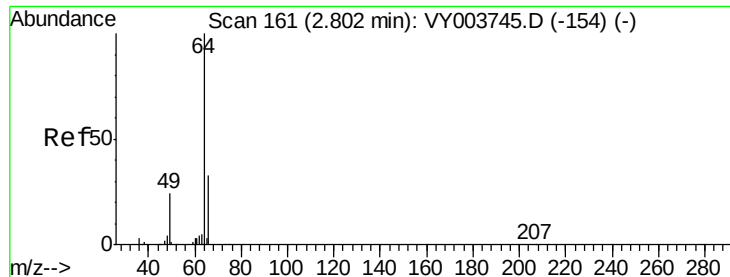
96 93.6 9.3 177.5



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 2.936 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

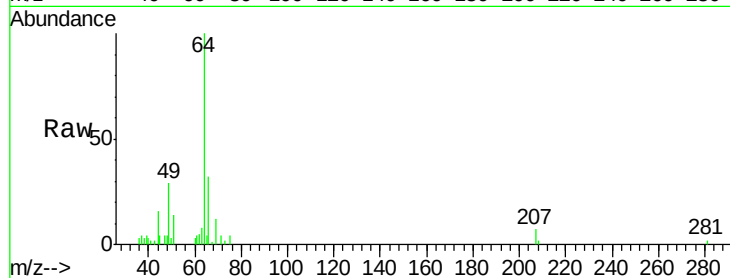
VSTD2.578

Tgt Ion: 64 Resp: 8650

Ion Ratio Lower Upper

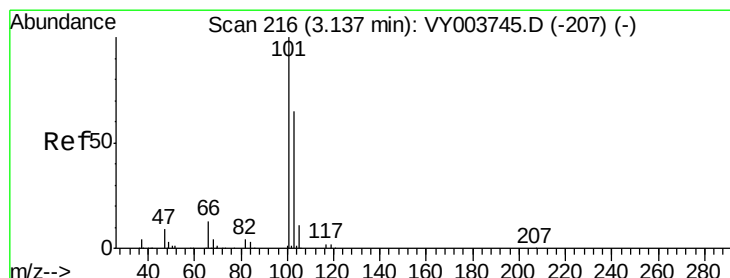
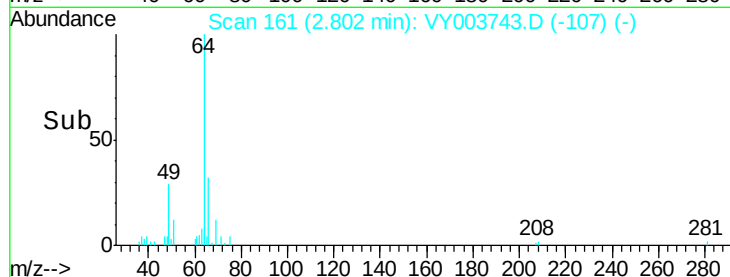
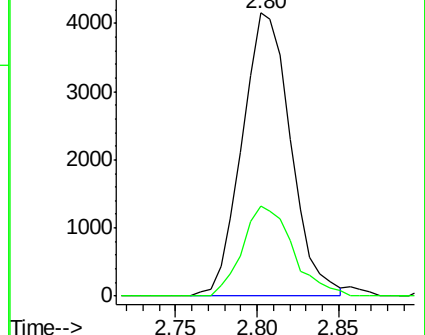
64 100

66 31.9 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VY003743.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VY003743.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 3.132 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003743.D

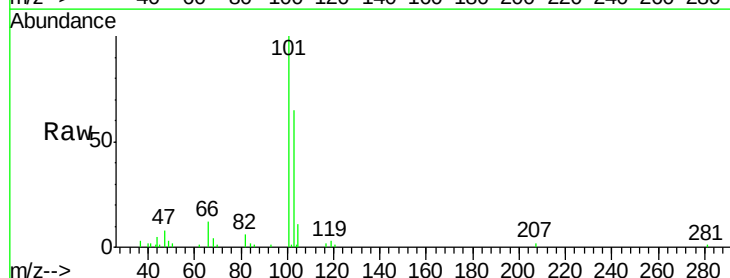
Acq: 14 Dec 2020 12:01

Tgt Ion: 101 Resp: 23265

Ion Ratio Lower Upper

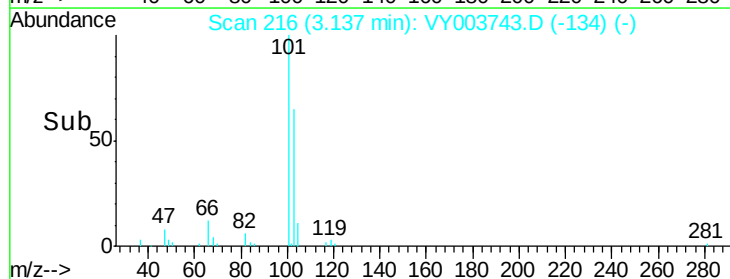
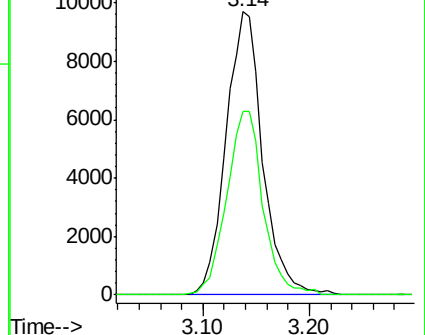
101 100

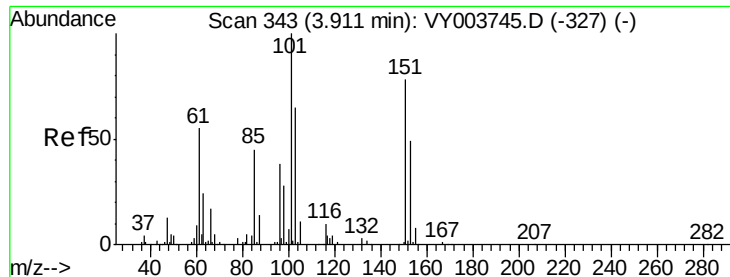
103 64.7 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): VY003743.D (-134) (-)

Ion 103.00 (102.70 to 103.70): VY003743.D (-134) (-)





#11

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

Concen: 2.909 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

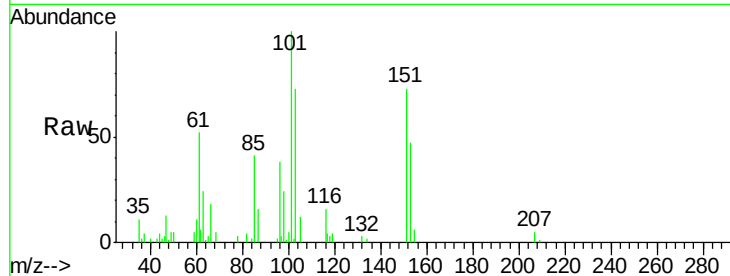
Tgt Ion:101 Resp: 13771

Ion Ratio Lower Upper

101 100

85 43.9 33.8 50.6

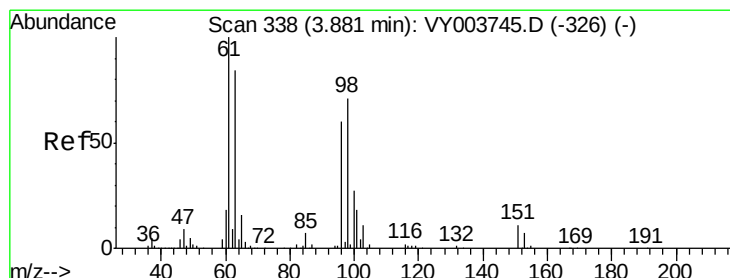
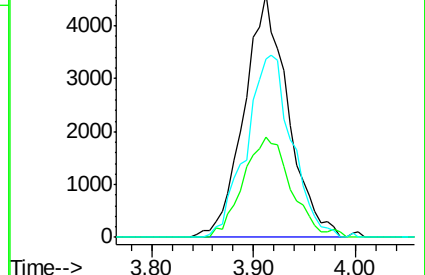
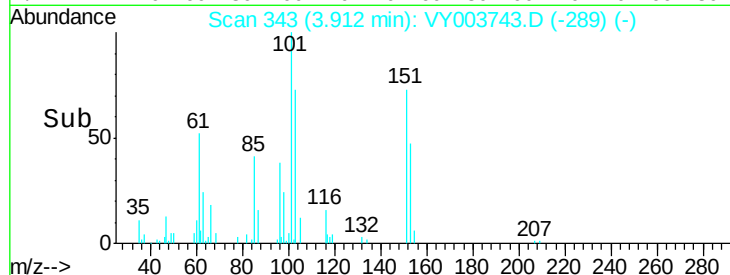
151 77.7 62.1 93.1



Abundance Ion 101.00 (100.70 to 101.70): VY003743.D (-289) (-)

Ion 85.00 (84.70 to 85.70): VY003743.D (-289) (-)

Ion 151.00 (150.70 to 151.70): VY003743.D (-289) (-)



#12

1,1-Dichloroethene

Concen: 2.941 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.01 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

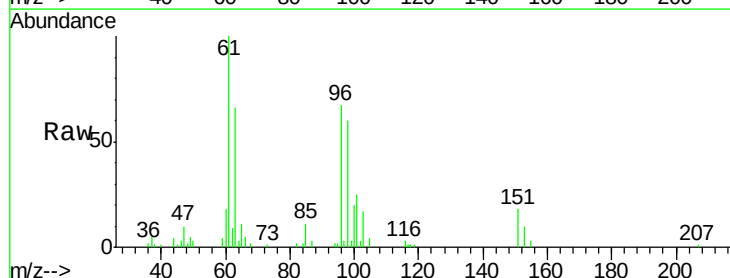
Tgt Ion: 96 Resp: 13051

Ion Ratio Lower Upper

96 100

61 148.6 117.3 217.9

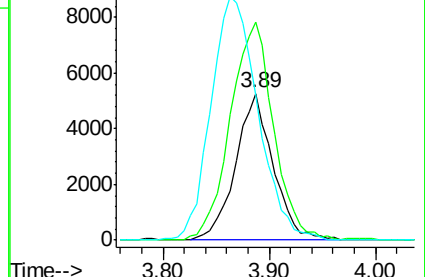
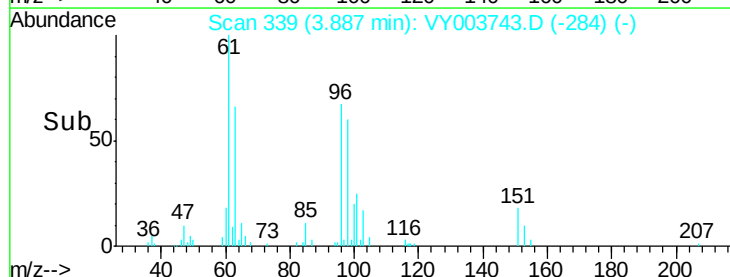
63 98.7 99.5 184.7#

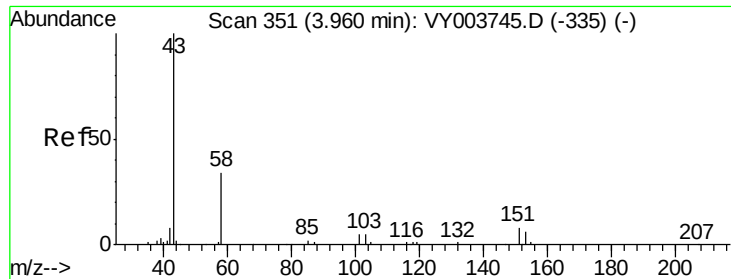


Abundance Ion 96.00 (95.70 to 96.70): VY003743.D (-284) (-)

Ion 61.00 (60.70 to 61.70): VY003743.D (-284) (-)

Ion 63.00 (62.70 to 63.70): VY003743.D (-284) (-)





#13

Acetone

Concen: 5.929 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

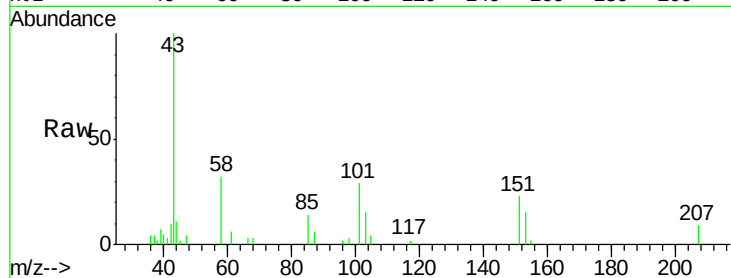
VSTD2.578

Tgt Ion: 43 Resp: 8231

Ion Ratio Lower Upper

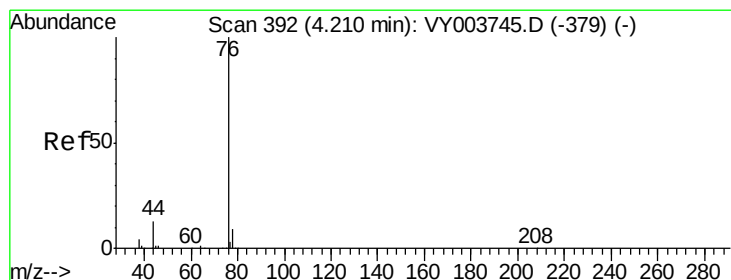
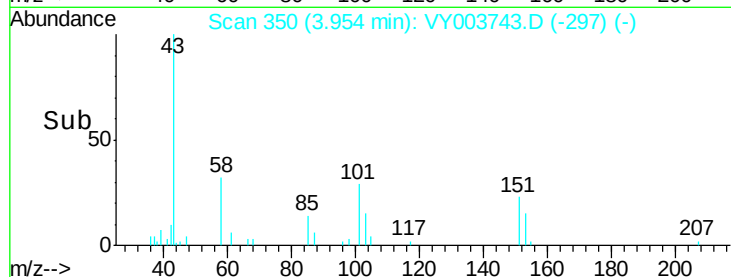
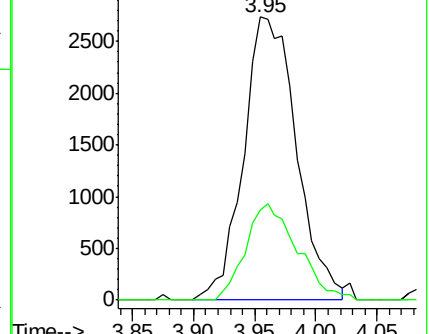
43 100

58 33.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 3.018 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003743.D

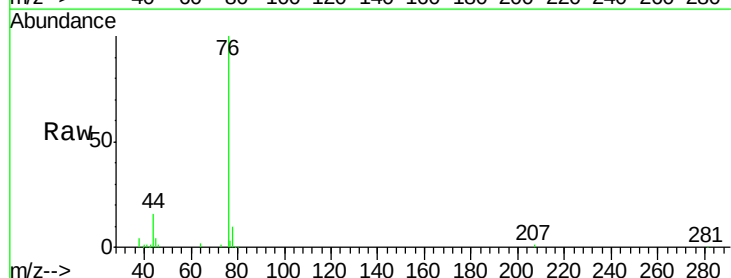
Acq: 14 Dec 2020 12:01

Tgt Ion: 76 Resp: 45412

Ion Ratio Lower Upper

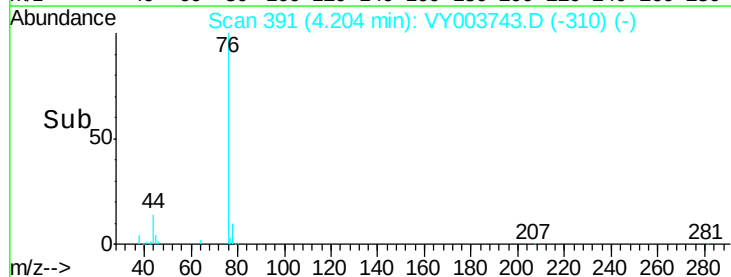
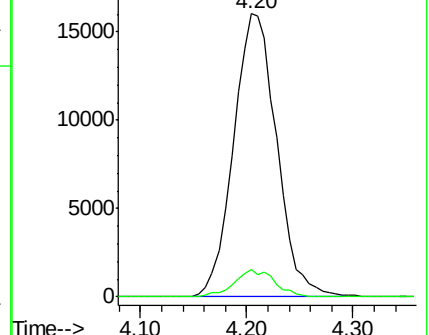
76 100

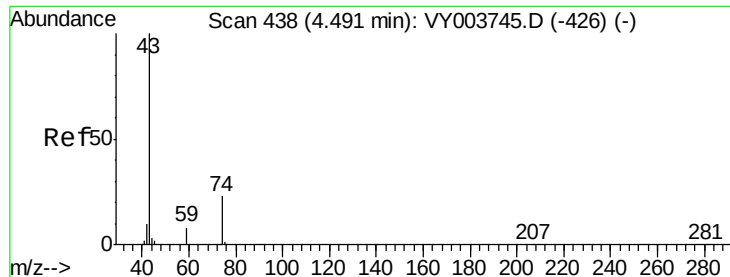
78 9.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

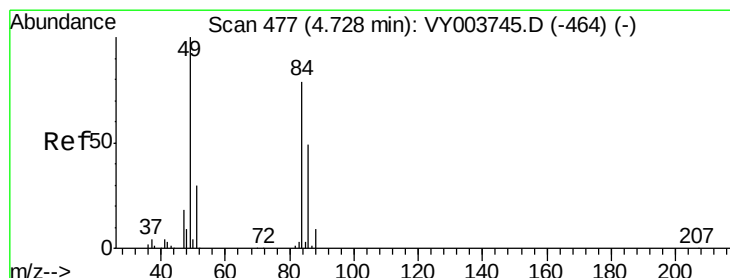
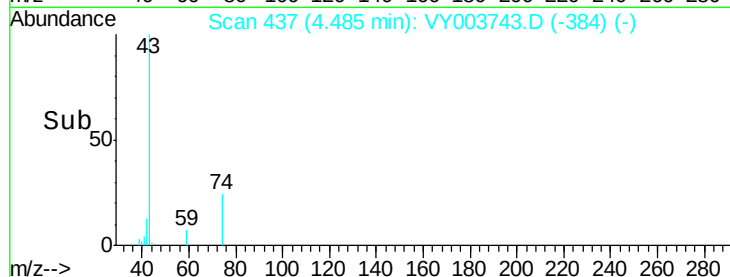
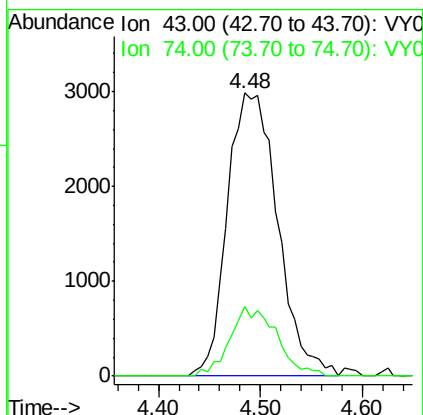
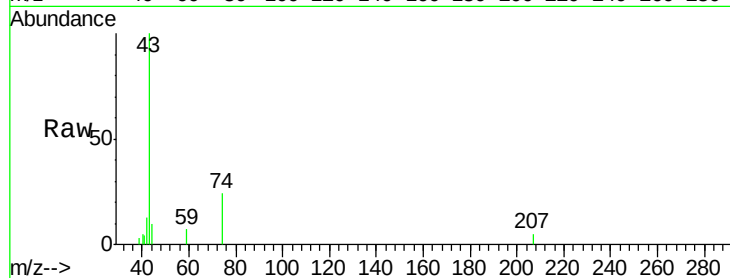




#15
Methyl Acetate
Concen: 2.921 ug/L
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

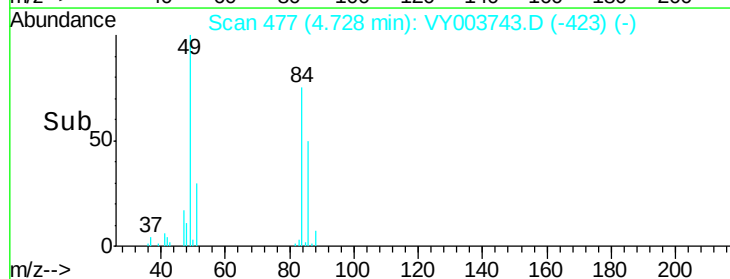
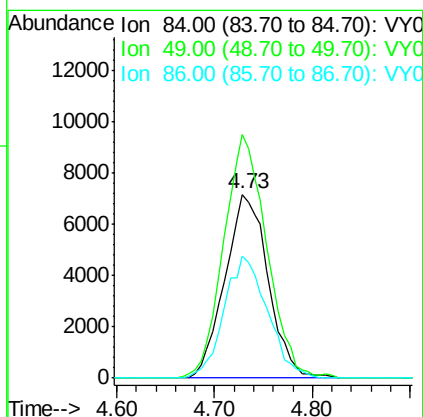
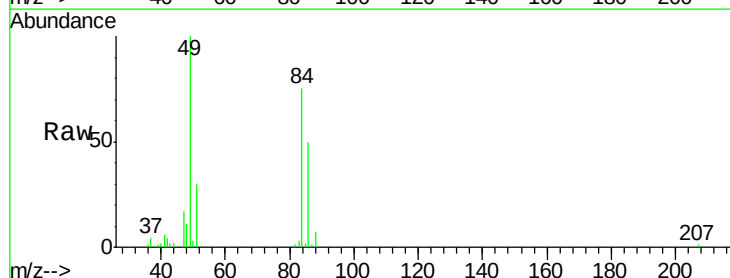
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

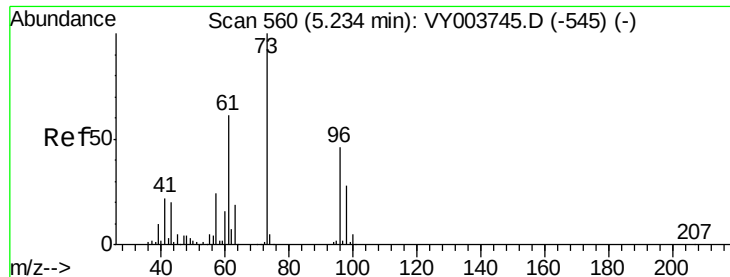
Tgt Ion: 43 Resp: 10239
Ion Ratio Lower Upper
43 100
74 11.1 17.7 26.5#



#16
Methylene chloride
Concen: 3.378 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

Tgt Ion: 84 Resp: 21930
Ion Ratio Lower Upper
84 100
49 132.7 88.2 163.8
86 66.3 43.0 79.8

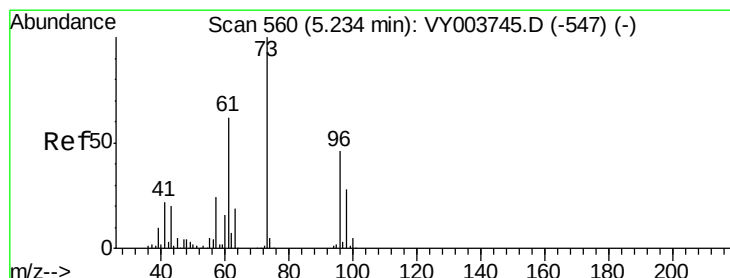
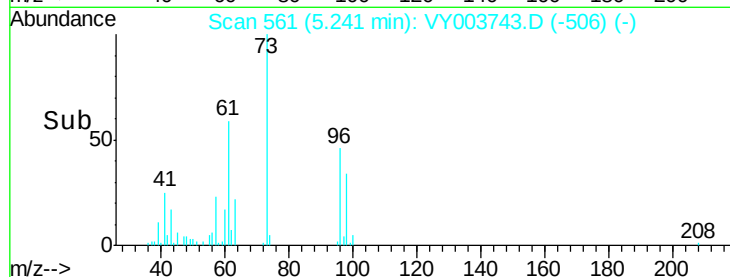
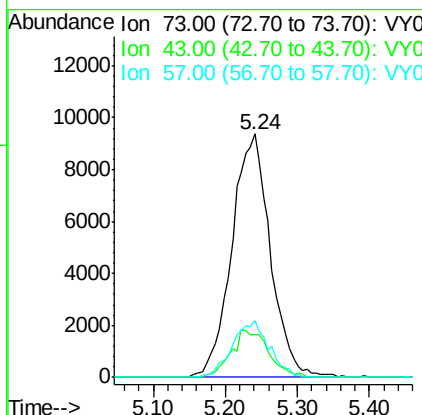
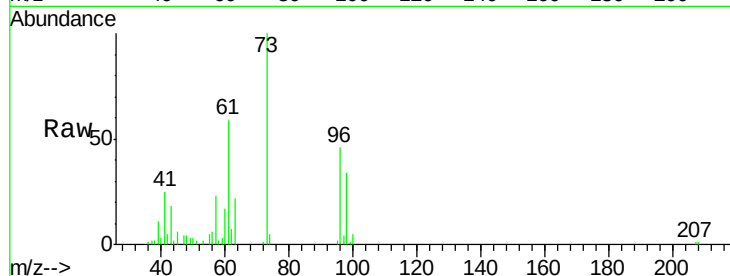




#17
Methyl tert-butyl Ether
Concen: 2.758 ug/L
RT: 5.24 min Scan# 561
Delta R.T. 0.01 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

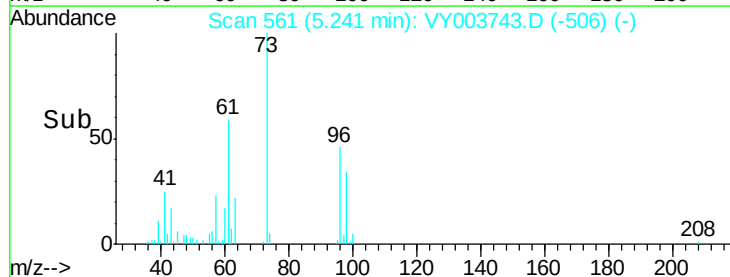
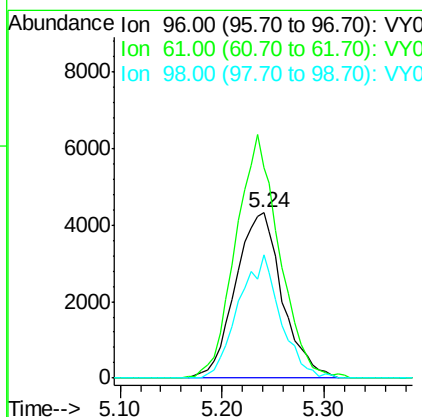
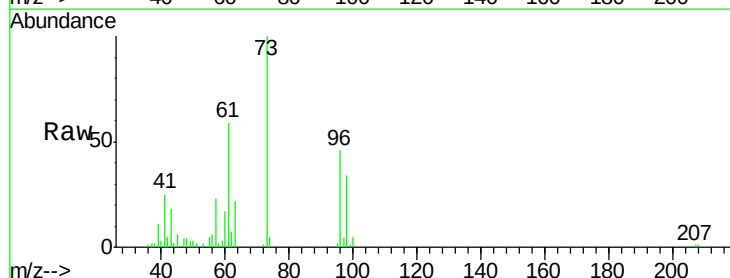
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

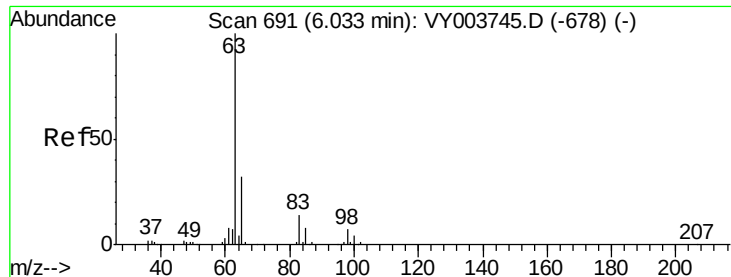
Tgt Ion: 73 Resp: 34824
Ion Ratio Lower Upper
73 100
43 2.4 15.5 23.3#
57 21.8 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 2.768 ug/L
RT: 5.24 min Scan# 561
Delta R.T. 0.01 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

Tgt Ion: 96 Resp: 13830
Ion Ratio Lower Upper
96 100
61 127.0 93.9 174.5
98 74.8 43.5 80.7

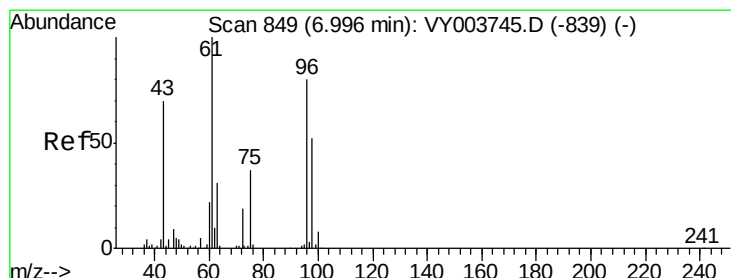
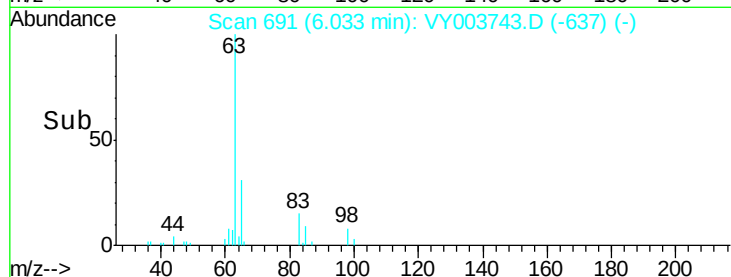
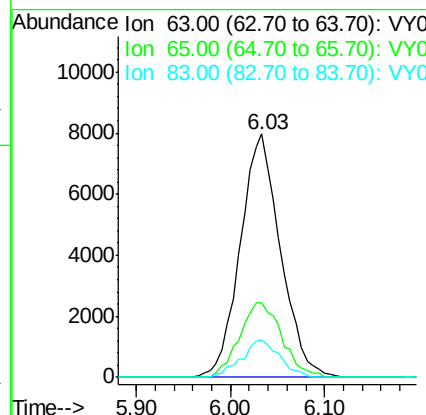
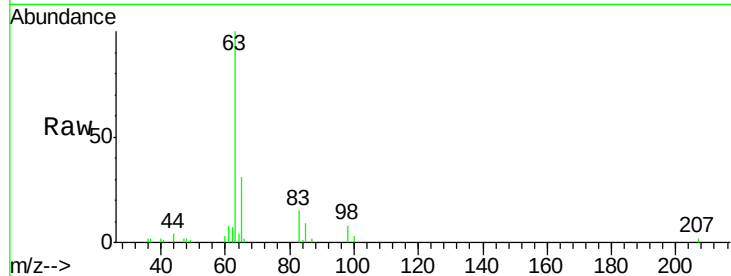




#19
 1,1-Dichloroethane
 Concen: 2.810 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

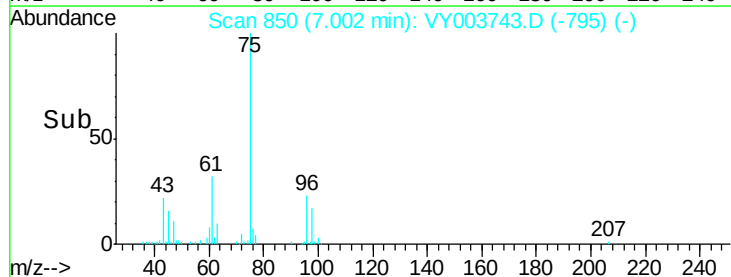
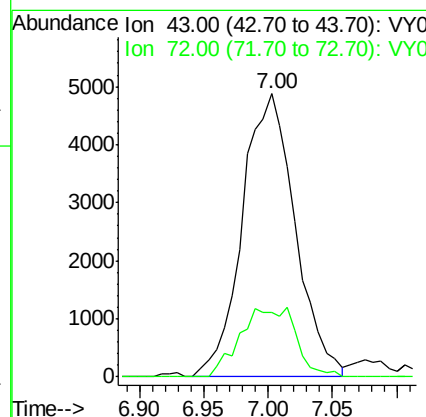
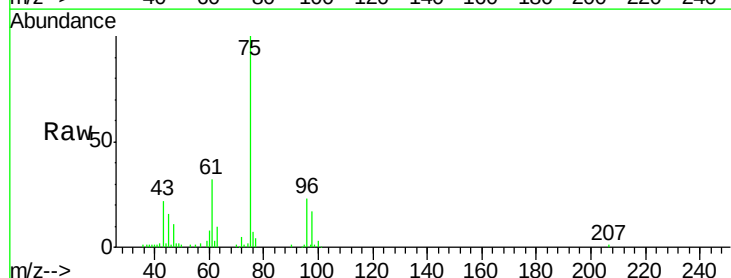
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

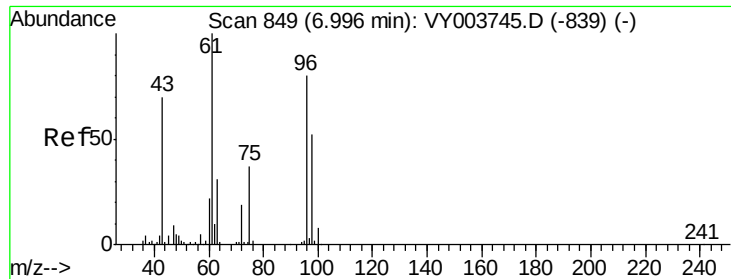
Tgt Ion: 63 Resp: 23799
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.3 41.3
 83 15.3 9.4 17.6



#21
 2-Butanone
 Concen: 5.687 ug/L
 RT: 7.00 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

Tgt Ion: 43 Resp: 13896
 Ion Ratio Lower Upper
 43 100
 72 18.4 13.0 39.0



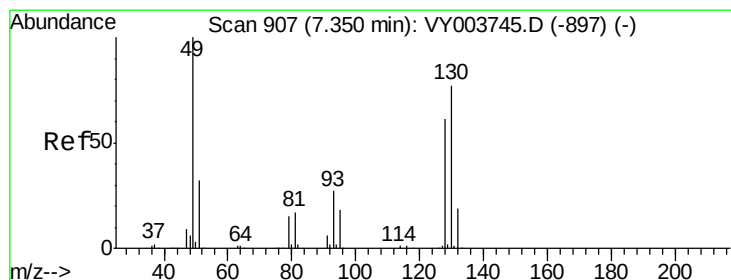
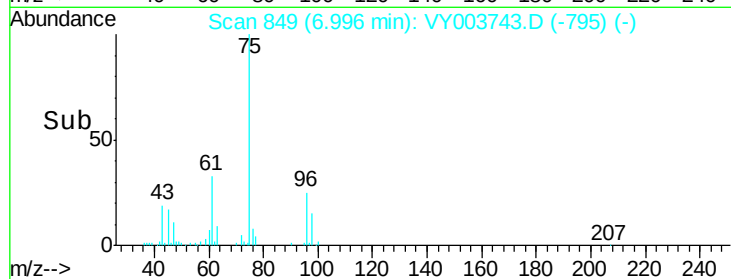
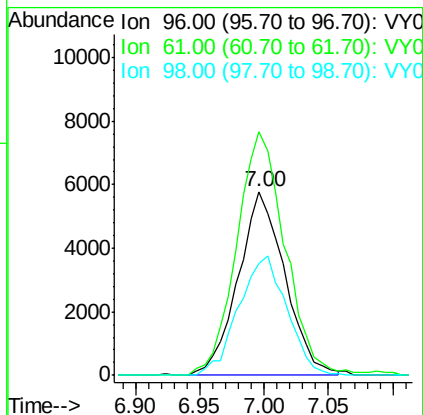
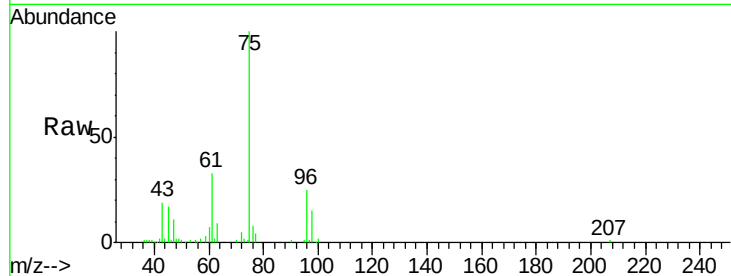


#22

cis-1,2-Dichloroethene
Concen: 2.739 ug/L
RT: 7.00 min Scan# 849
Delta R.T. 0.00 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

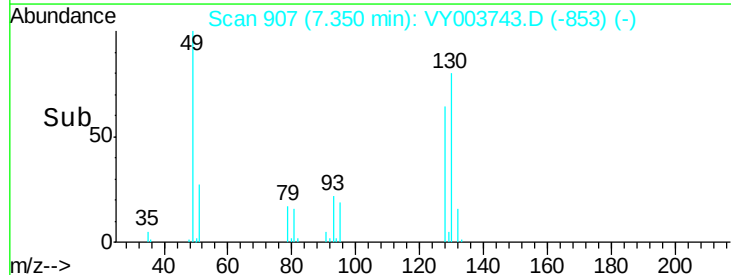
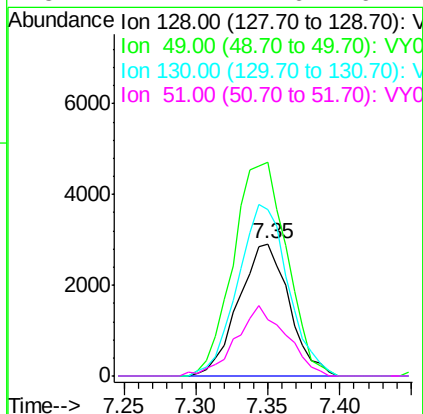
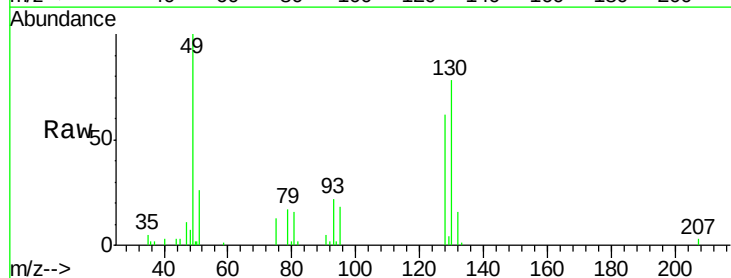
Tgt Ion: 96 Resp: 14544
Ion Ratio Lower Upper
96 100
61 132.6 88.0 163.4
98 60.8 45.4 84.4

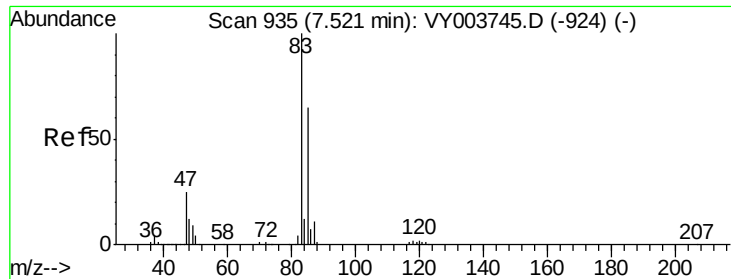


#23

Bromochloromethane
Concen: 2.688 ug/L
RT: 7.35 min Scan# 907
Delta R.T. 0.00 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

Tgt Ion: 128 Resp: 7116
Ion Ratio Lower Upper
128 100
49 161.8 115.1 213.8
130 126.3 88.9 165.1
51 42.4 41.6 62.4

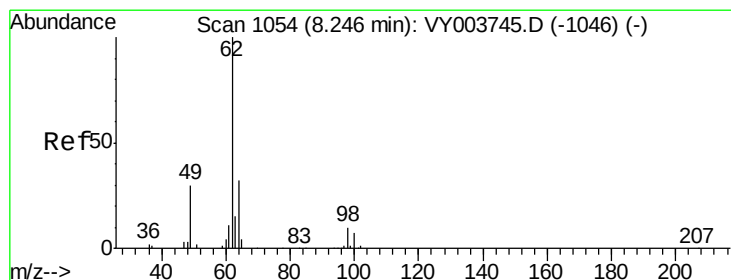
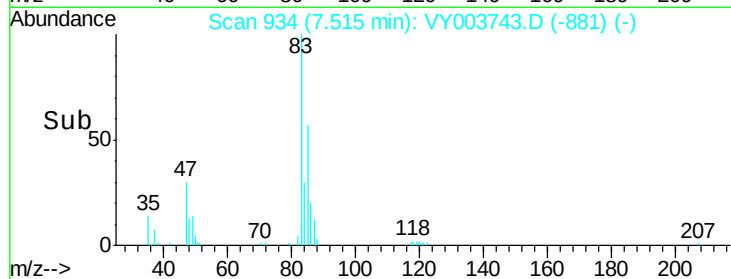
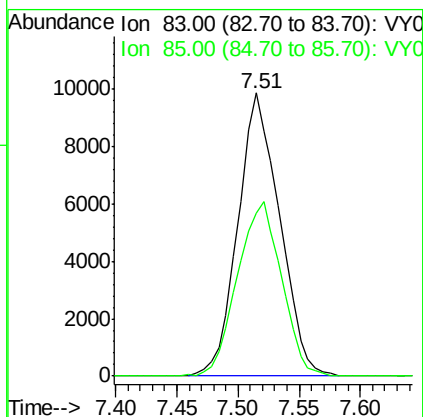
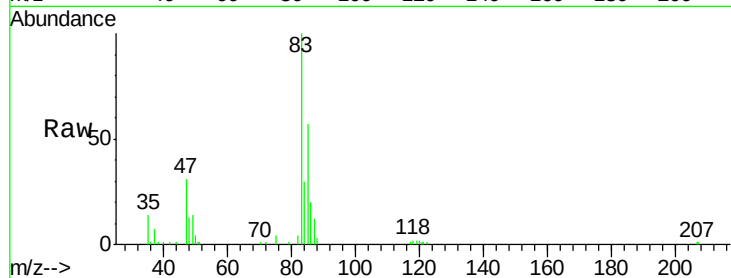




#25
Chloroform
Concen: 2.750 ug/L
RT: 7.51 min Scan# 934
Delta R.T. -0.01 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

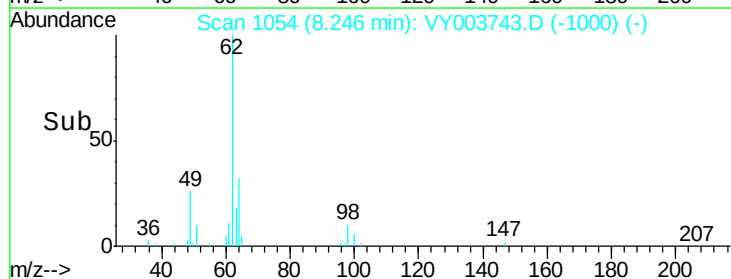
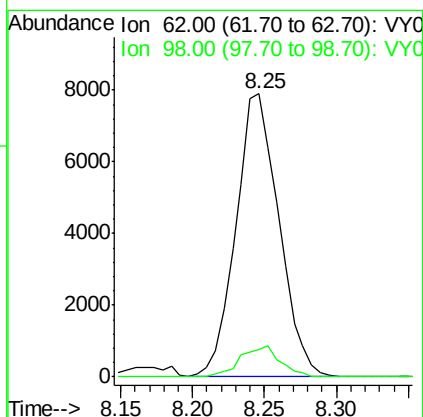
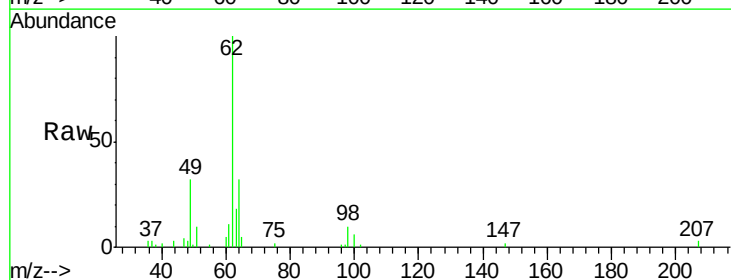
Instrument :
MSVOA_Y
ClientSampled :
VSTD2.578

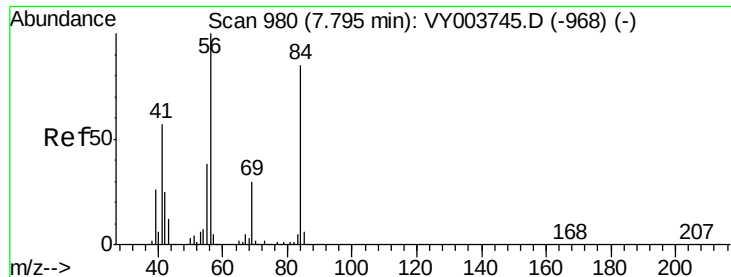
Tgt Ion: 83 Resp: 23400
Ion Ratio Lower Upper
83 100
85 65.1 46.5 86.3



#27
1,2-Dichloroethane
Concen: 2.842 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

Tgt Ion: 62 Resp: 16383
Ion Ratio Lower Upper
62 100
98 9.7 8.3 12.5

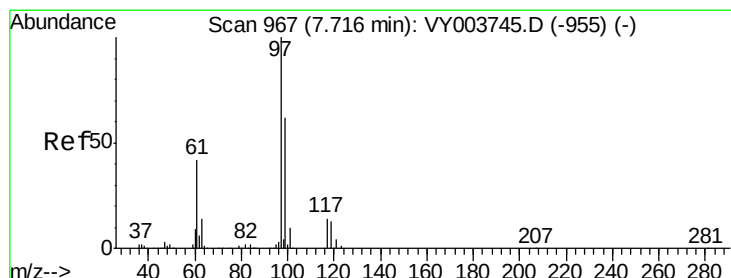
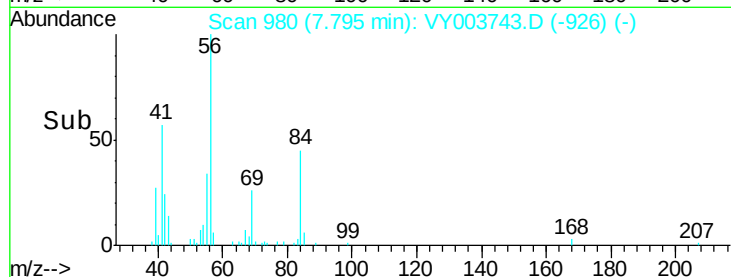
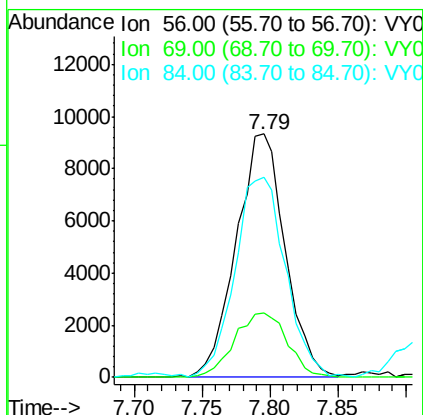
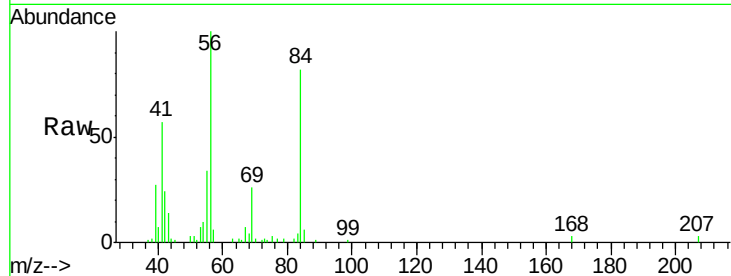




#30
Cyclohexane
Concen: 3.064 ug/L
RT: 7.79 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

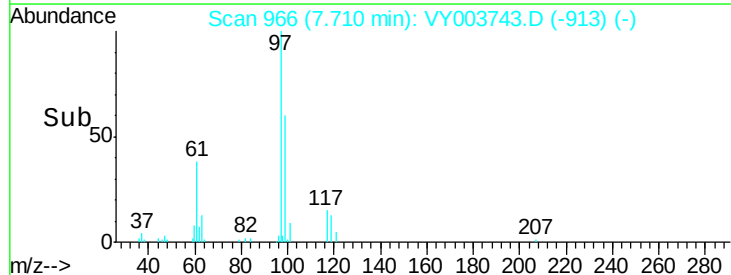
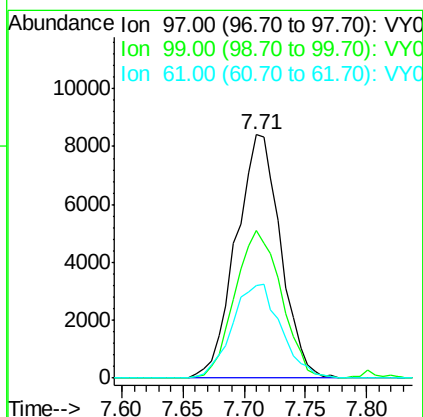
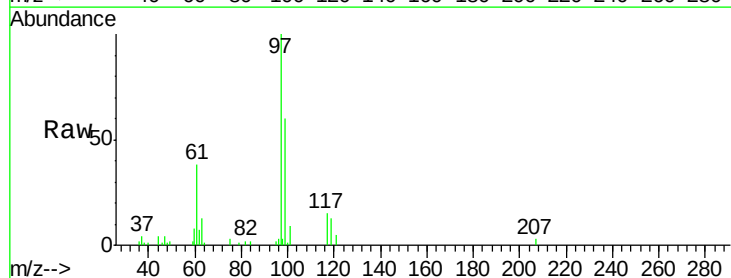
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

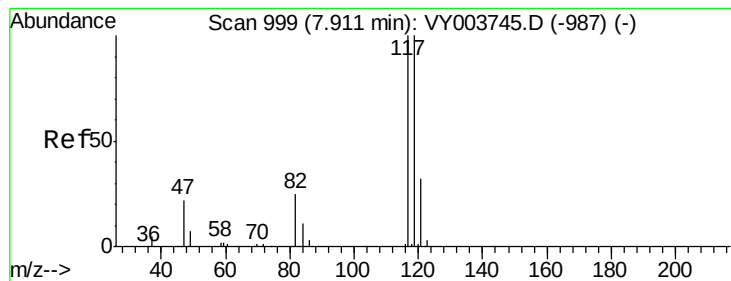
Tgt Ion: 56 Resp: 23436
Ion Ratio Lower Upper
56 100
69 28.6 23.4 35.0
84 84.9 68.6 103.0



#31
1,1,1-Trichloroethane
Concen: 2.872 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.01 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

Tgt Ion: 97 Resp: 21303
Ion Ratio Lower Upper
97 100
99 63.3 50.8 76.2
61 42.1 34.1 51.1





#32

Carbon tetrachloride

Concen: 2.816 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.01 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

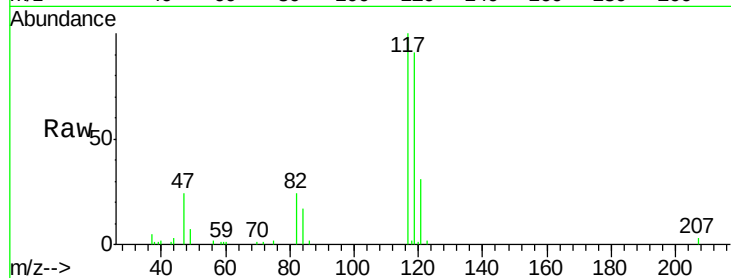
VSTD2.578

Tgt Ion:117 Resp: 18423

Ion Ratio Lower Upper

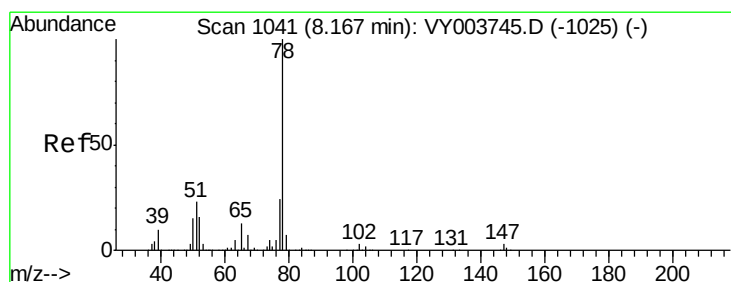
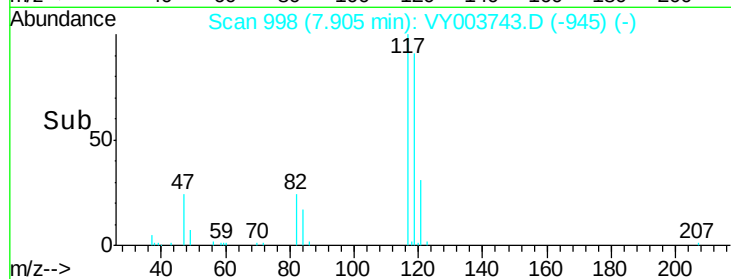
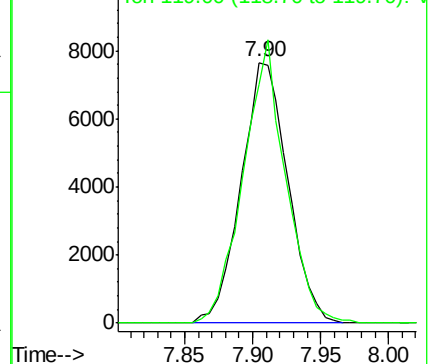
117 100

119 98.0 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.761 ug/L

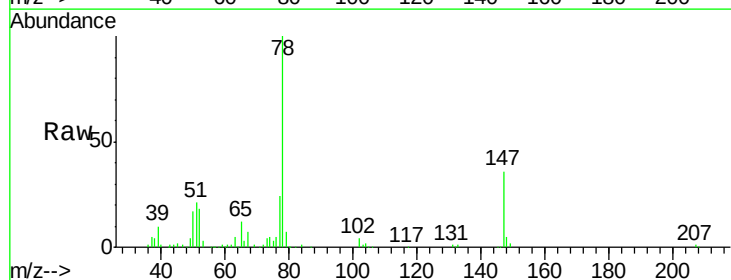
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

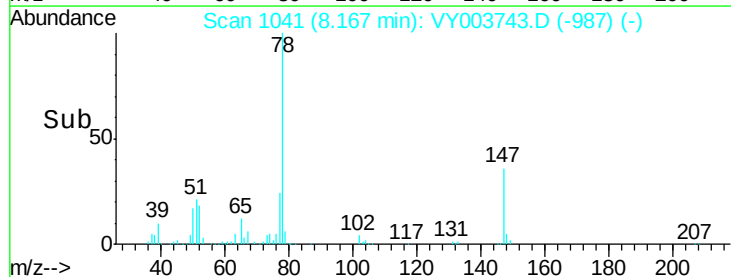
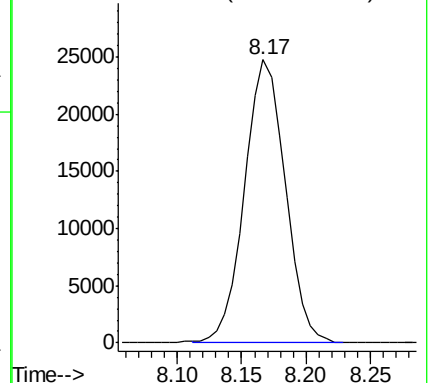
Lab File: VY003743.D

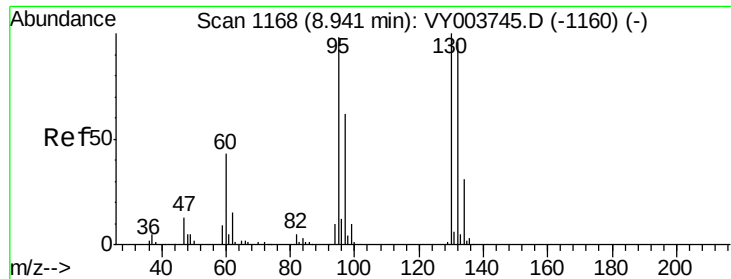
Acq: 14 Dec 2020 12:01

Tgt Ion: 78 Resp: 54522



Abundance Ion 78.00 (77.70 to 78.70): VY0

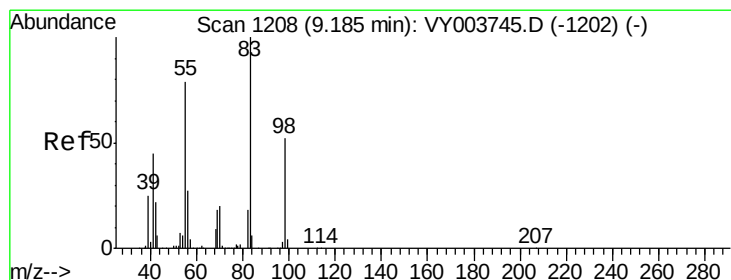
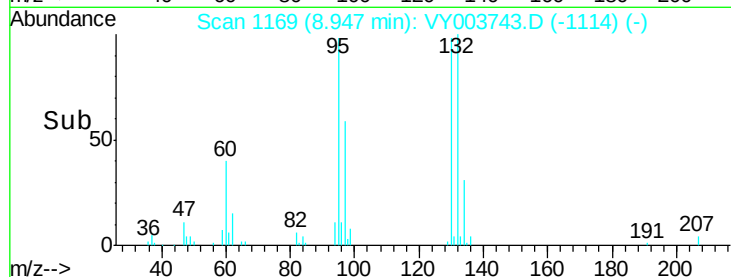
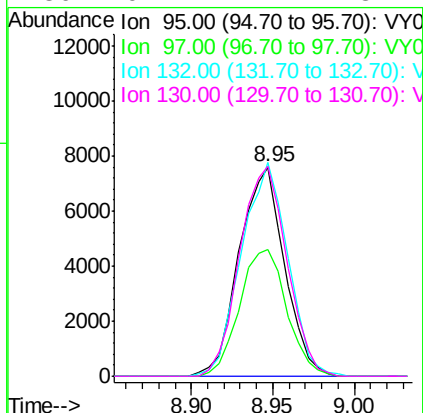
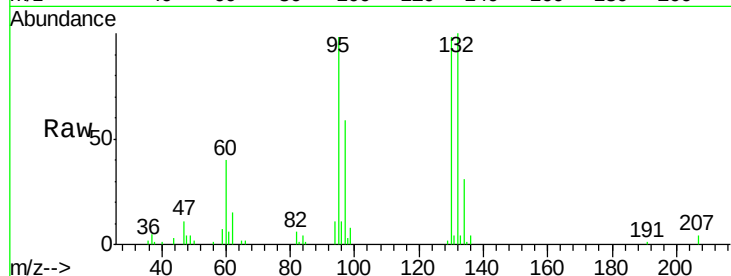




#35
 Trichloroethene
 Concen: 2.706 ug/L
 RT: 8.95 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

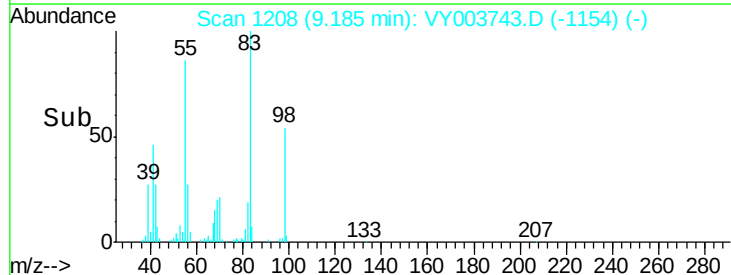
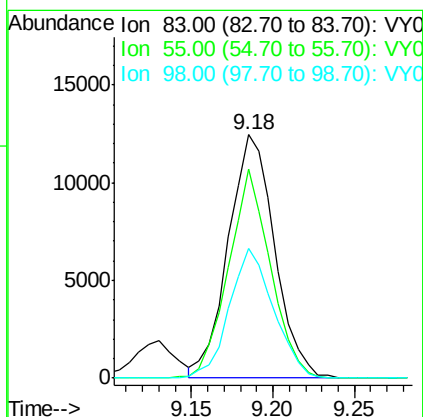
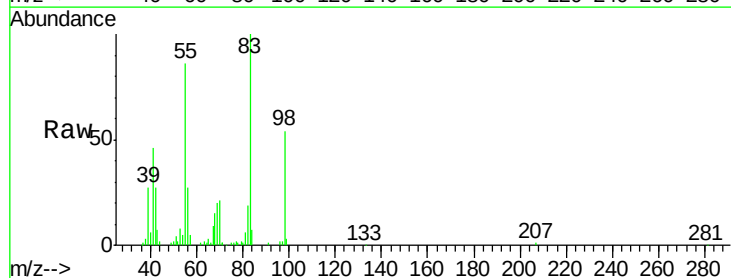
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

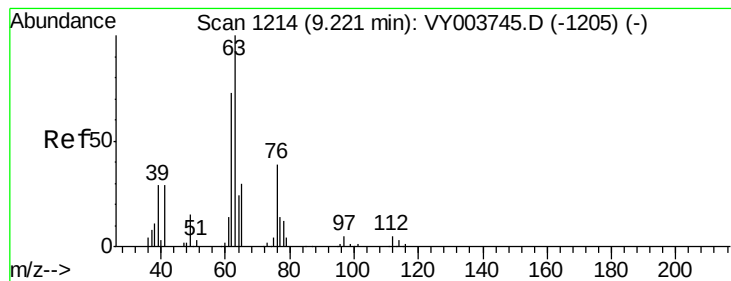
Tgt Ion:	95	Resp:	14637
Ion	Ratio	Lower	Upper
95	100		
97	62.7	45.4	84.4
132	104.7	70.8	131.4
130	104.4	74.1	137.7



#36
 Methylcyclohexane
 Concen: 2.933 ug/L
 RT: 9.18 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

Tgt Ion:	83	Resp:	24645
Ion	Ratio	Lower	Upper
83	100		
55	77.6	60.3	90.5
98	50.9	40.4	60.6





#40

1,2-Dichloropropane

Concen: 2.901 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

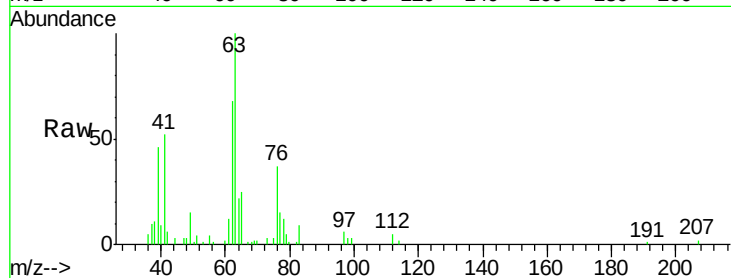
VSTD2.578

Tgt Ion: 63 Resp: 14456

Ion Ratio Lower Upper

63 100

112 3.6 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V

8000

6000

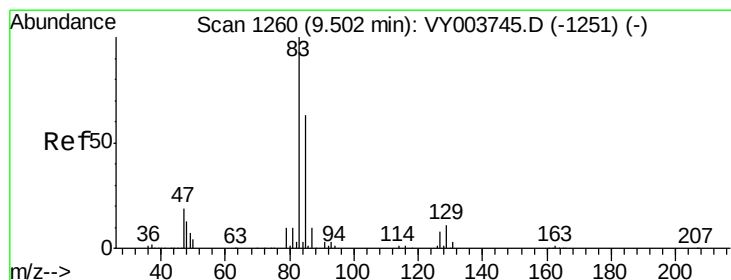
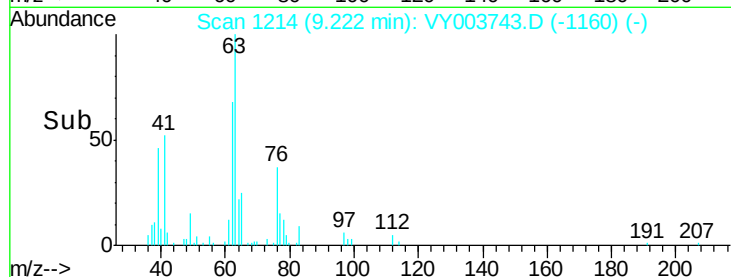
4000

2000

0

9.15 9.20 9.25 9.30

Time-->



#41

Bromodichloromethane

Concen: 2.823 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

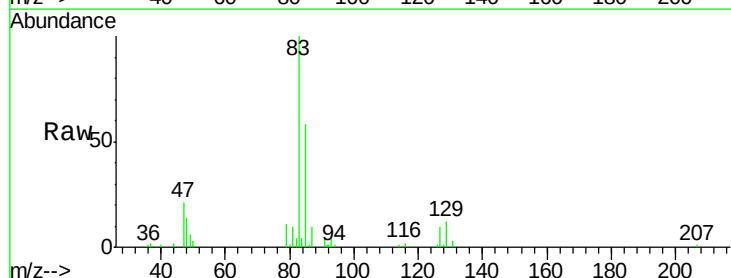
Tgt Ion: 83 Resp: 17791

Ion Ratio Lower Upper

83 100

85 57.8 44.2 82.2

127 9.7 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V

12000

10000

8000

6000

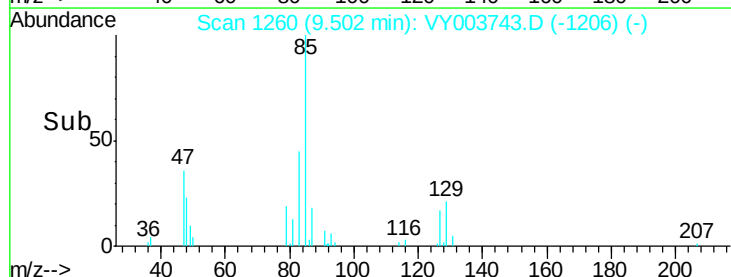
4000

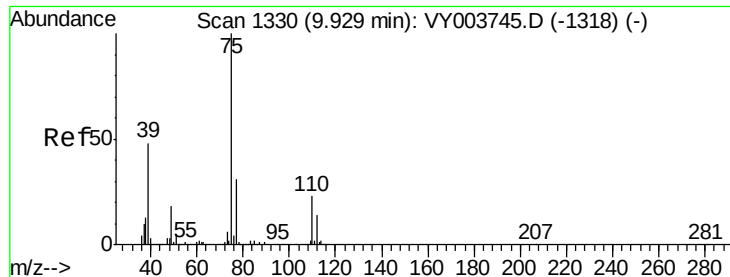
2000

0

9.45 9.50 9.55

Time-->





#42

cis-1,3-Dichloropropene

Concen: 2.777 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

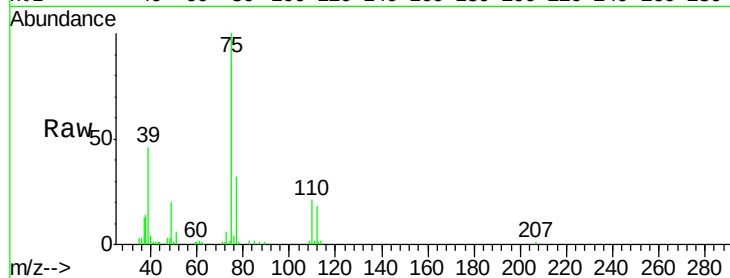
VSTD2.578

Tgt Ion: 75 Resp: 21792

Ion Ratio Lower Upper

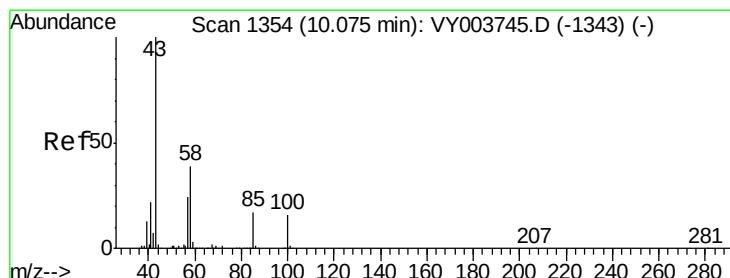
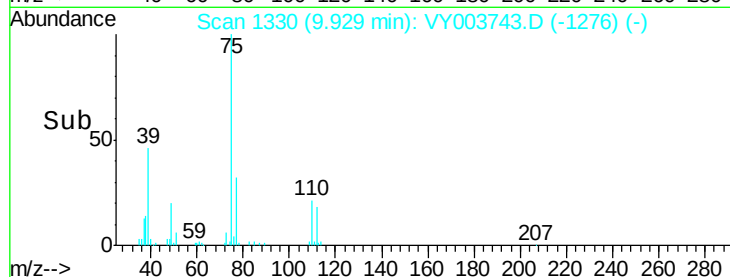
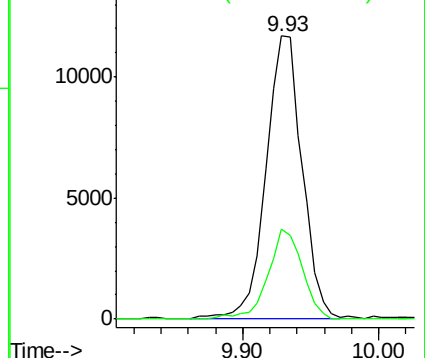
75 100

77 31.9 21.3 39.6



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#43

4-Methyl-2-pentanone

Concen: 5.779 ug/L

RT: 10.08 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

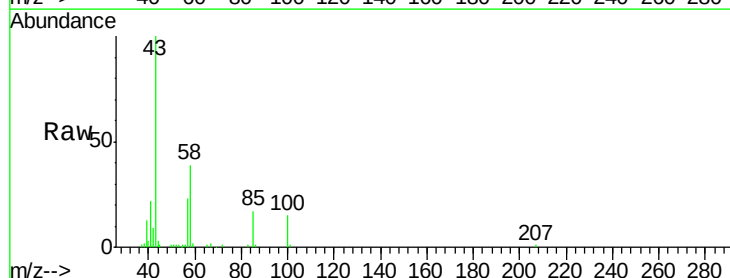
Tgt Ion: 43 Resp: 27323

Ion Ratio Lower Upper

43 100

58 36.7 30.8 46.2

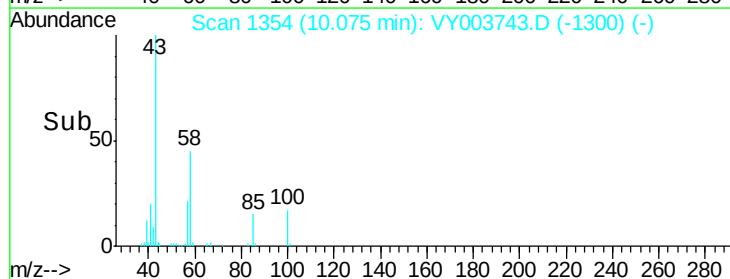
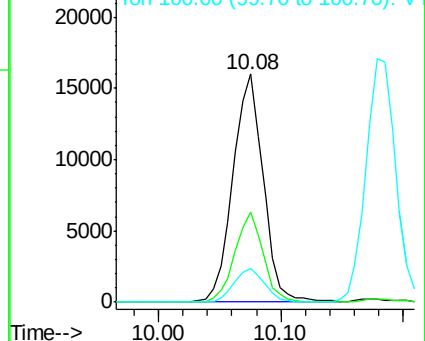
100 14.7 11.8 17.8

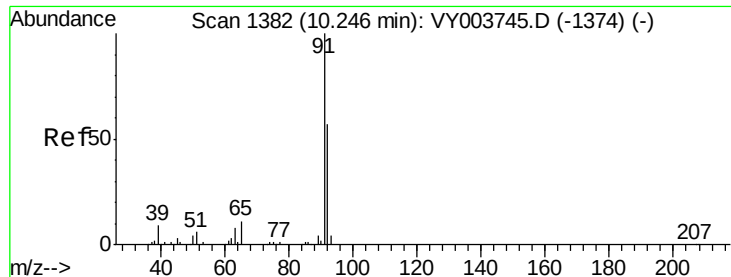


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#44

Toluene

Concen: 2.690 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

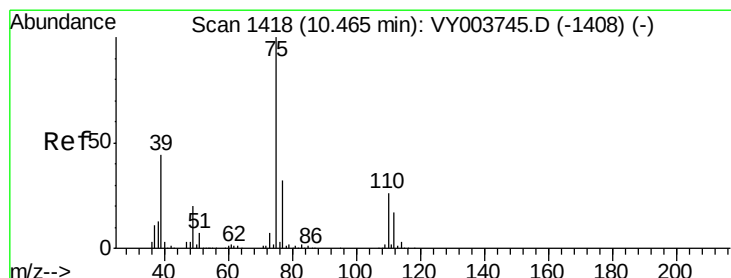
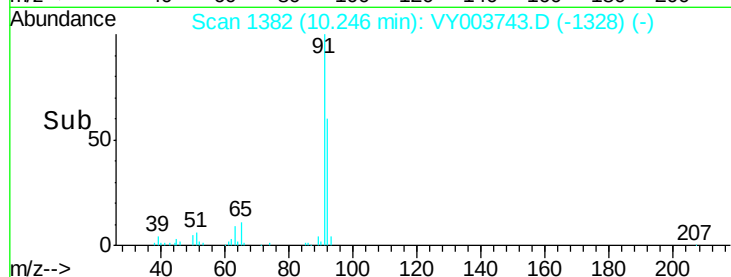
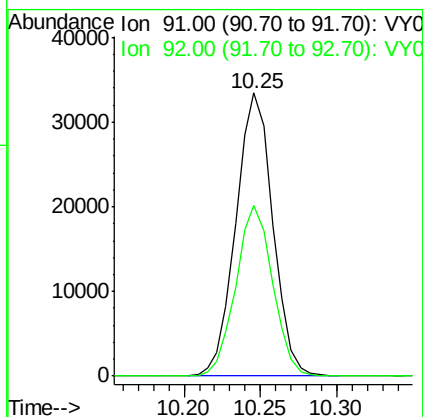
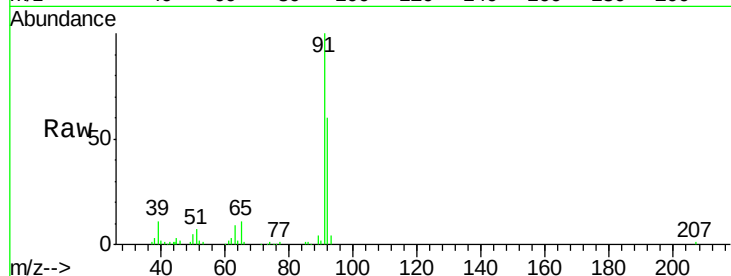
VSTD2.578

Tgt Ion: 91 Resp: 55942

Ion Ratio Lower Upper

91 100

92 60.4 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 2.745 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003743.D

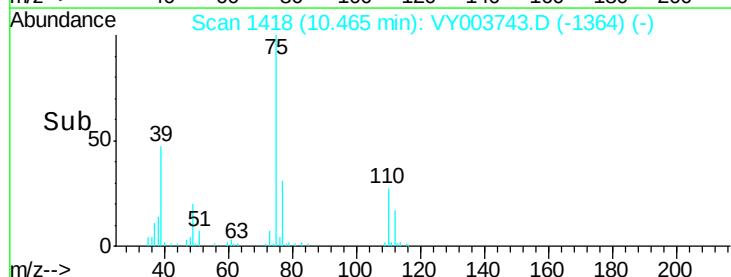
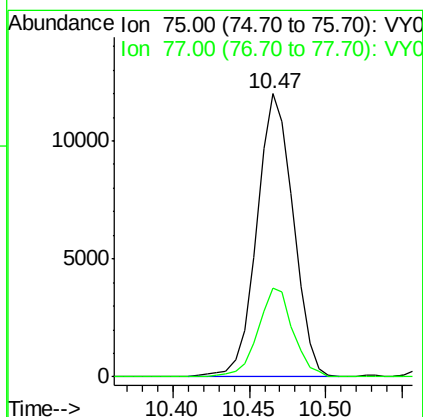
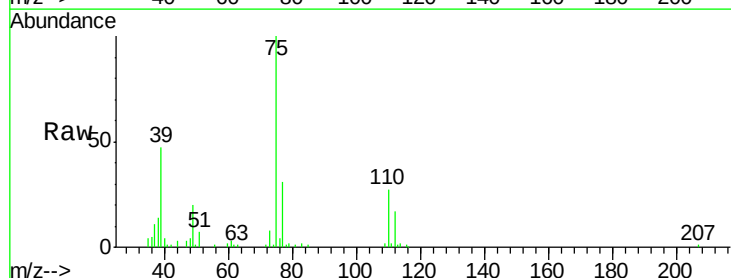
Acq: 14 Dec 2020 12:01

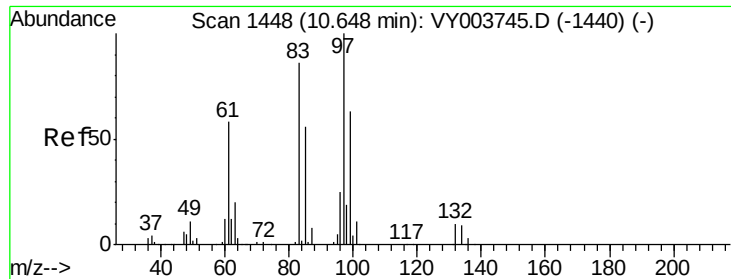
Tgt Ion: 75 Resp: 19864

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1

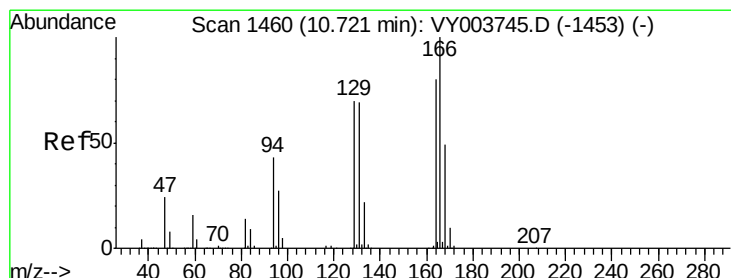
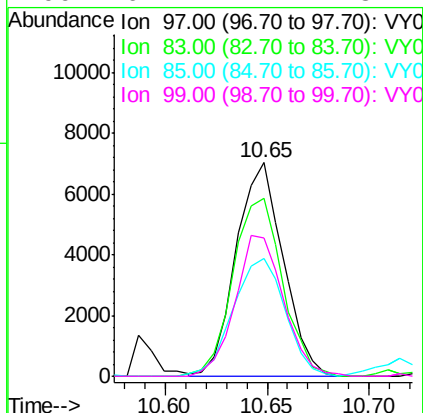
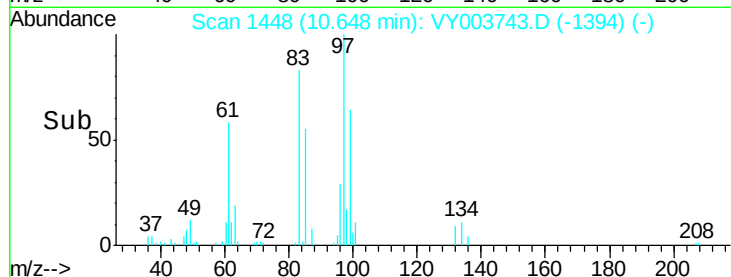
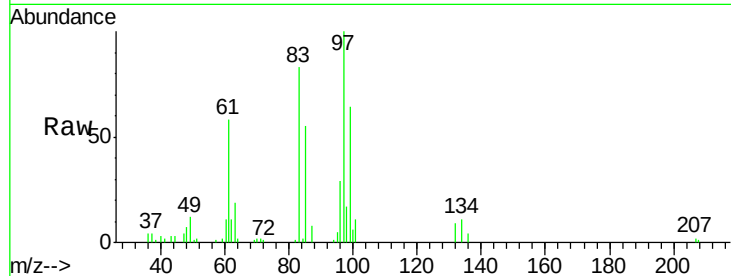




#46
 1,1,2-Trichloroethane
 Concen: 2.652 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

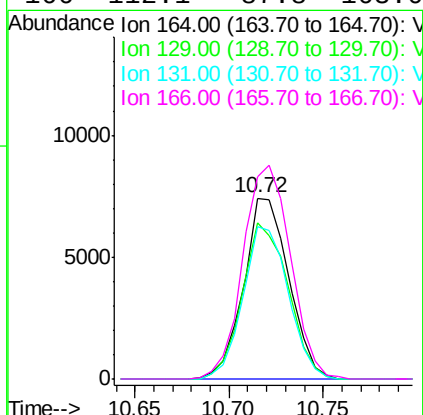
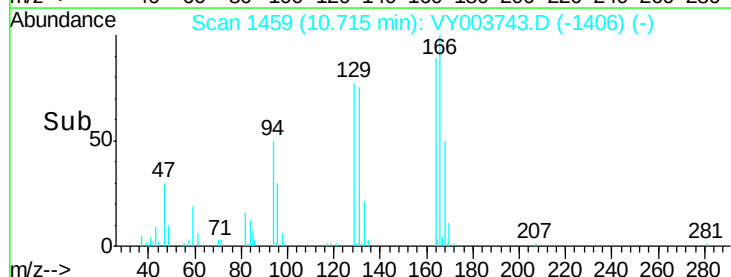
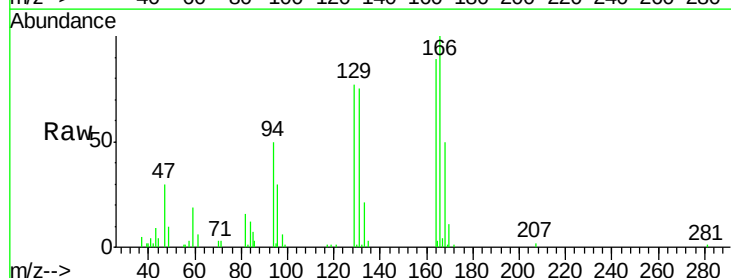
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

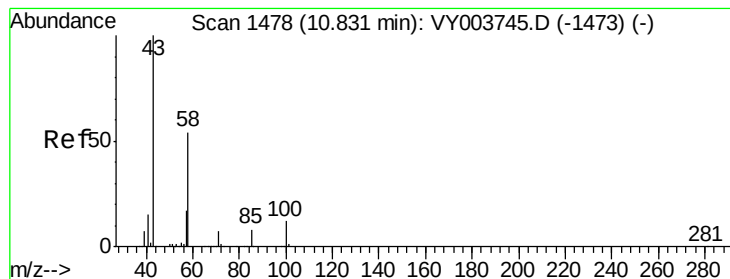
Tgt Ion:	97	Resp:	11286
Ion	Ratio	Lower	Upper
97	100		
83	83.3	60.0	111.4
85	55.4	38.9	72.2
99	64.4	44.4	82.4



#47
 Tetrachloroethene
 Concen: 2.947 ug/L
 RT: 10.72 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

Tgt Ion:	164	Resp:	12375
Ion	Ratio	Lower	Upper
164	100		
129	86.6	61.3	113.9
131	84.5	60.4	112.2
166	112.1	87.8	163.0





#49

2-Hexanone

Concen: 5.191 ug/L

RT: 10.83 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

Tgt Ion: 43 Resp: 17281

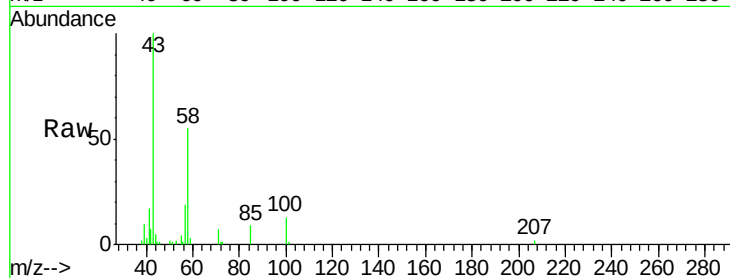
Ion Ratio Lower Upper

43 100

58 53.2 43.0 64.4

57 18.2 14.1 21.1

100 11.3 9.2 13.8

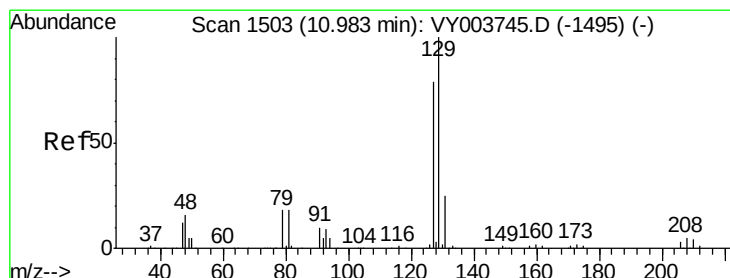
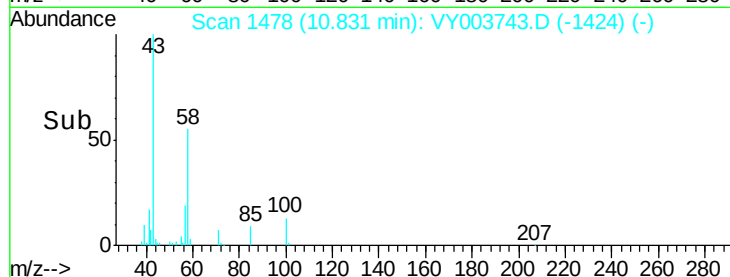
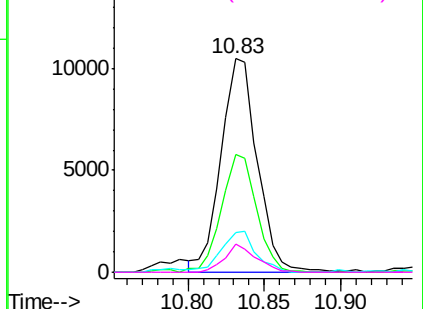


Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 2.617 ug/L

RT: 10.99 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VY003743.D

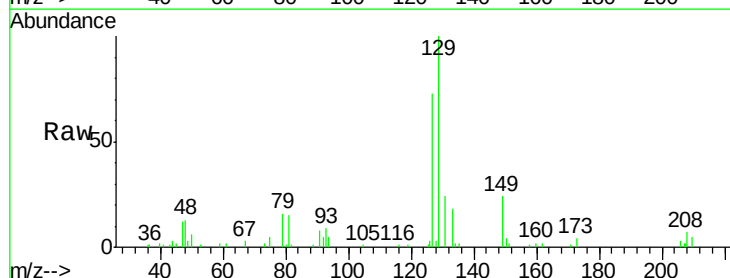
Acq: 14 Dec 2020 12:01

Tgt Ion: 129 Resp: 13016

Ion Ratio Lower Upper

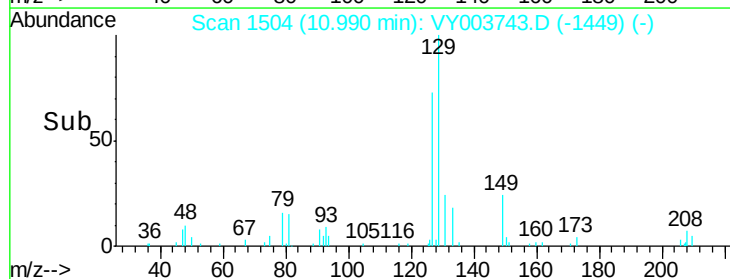
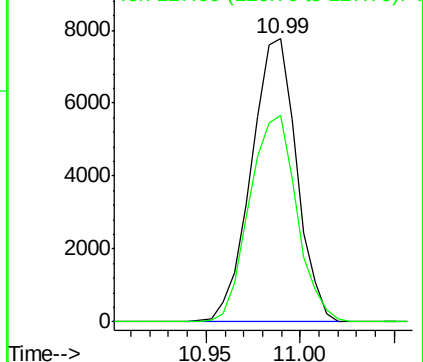
129 100

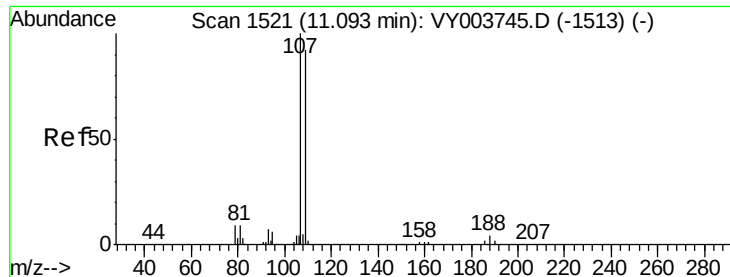
127 73.2 55.2 102.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

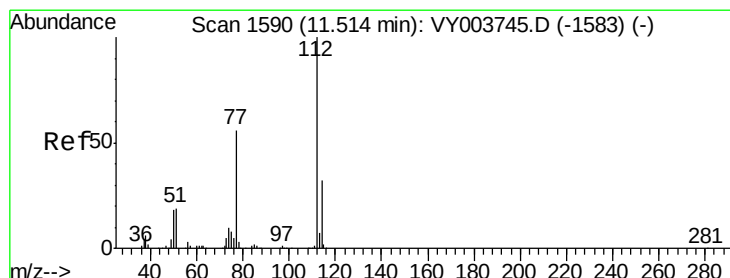
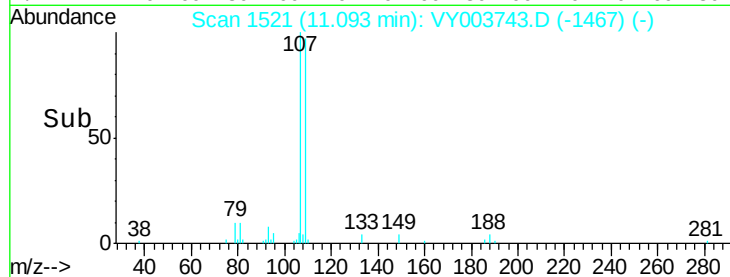
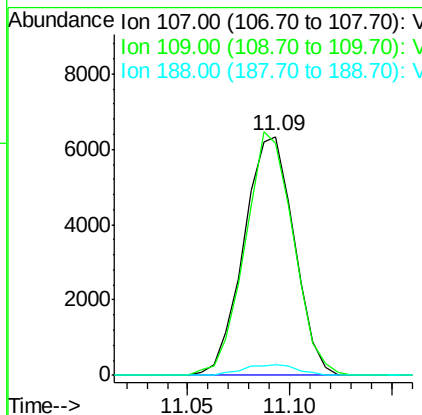
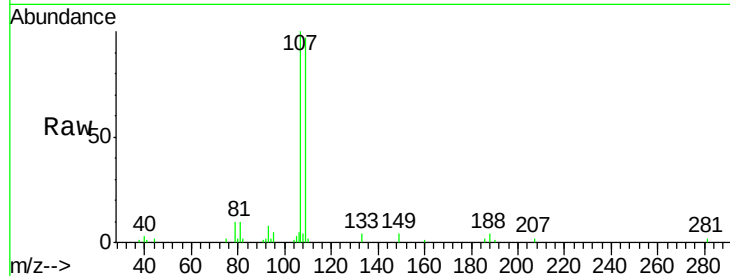




#51
 1,2-Dibromoethane
 Concen: 2.628 ug/L
 RT: 11.09 min Scan# 1521
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

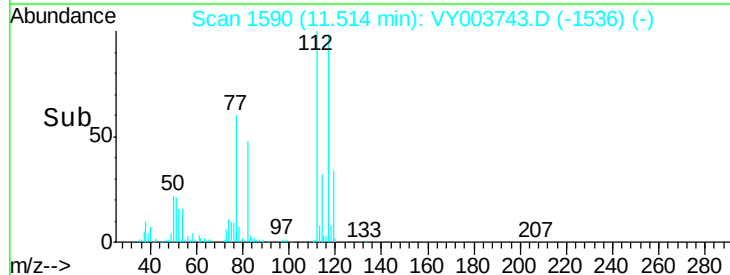
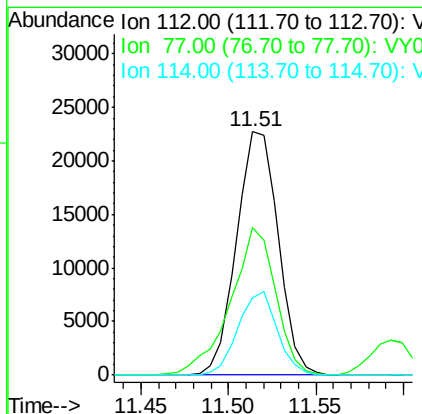
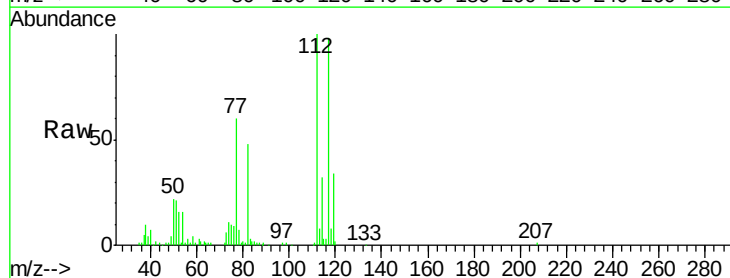
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

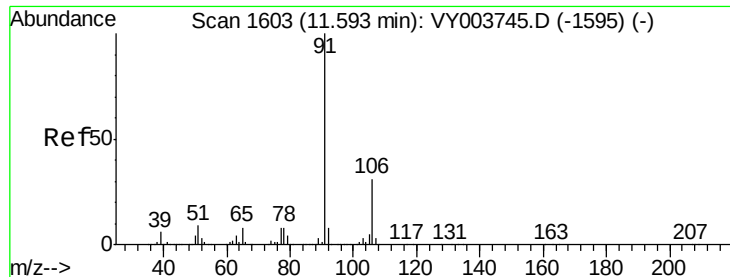
Tgt Ion:107 Resp: 10871
 Ion Ratio Lower Upper
 107 100
 109 97.4 64.6 120.0
 188 4.5 2.9 4.3#



#52
 Chlorobenzene
 Concen: 2.785 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

Tgt Ion:112 Resp: 37931
 Ion Ratio Lower Upper
 112 100
 77 60.5 45.1 67.7
 114 31.8 22.6 42.0





#53

Ethylbenzene

Concen: 2.735 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

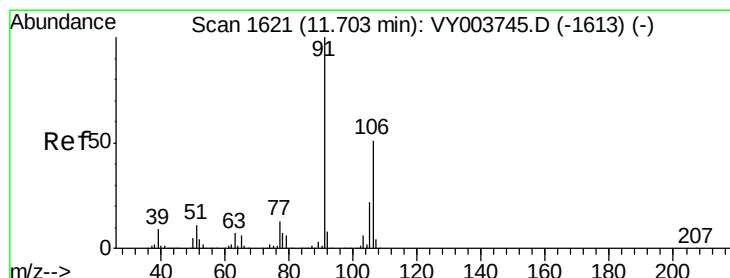
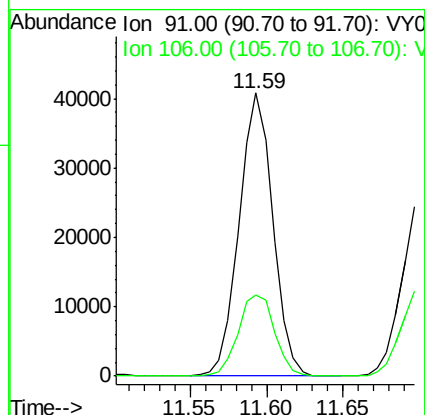
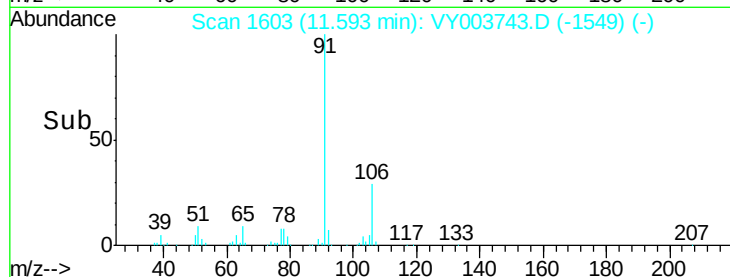
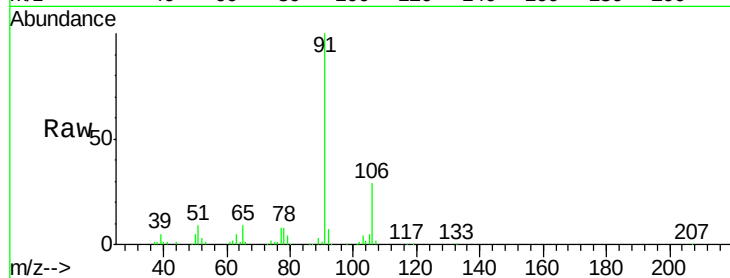
VSTD2.578

Tgt Ion: 91 Resp: 62252

Ion Ratio Lower Upper

91 100

106 28.6 22.0 41.0



#54

m,p-Xylene

Concen: 2.855 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003743.D

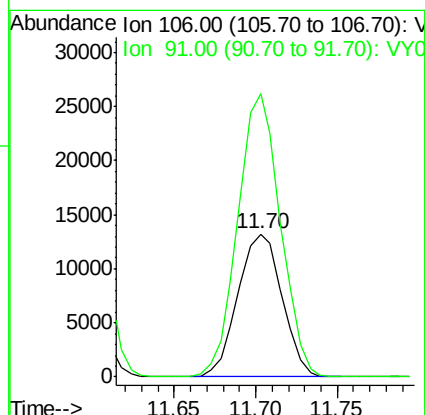
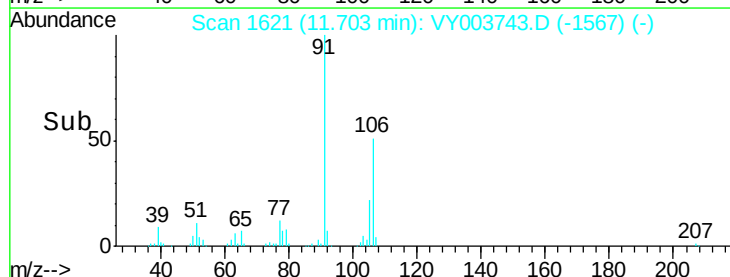
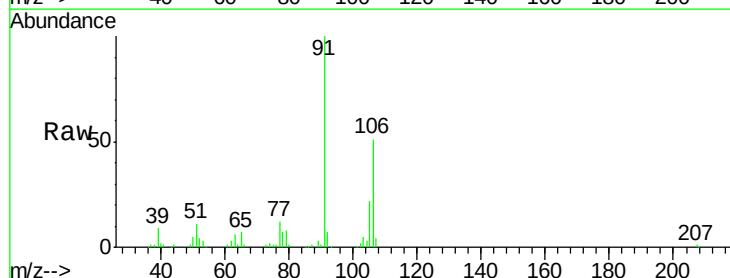
Acq: 14 Dec 2020 12:01

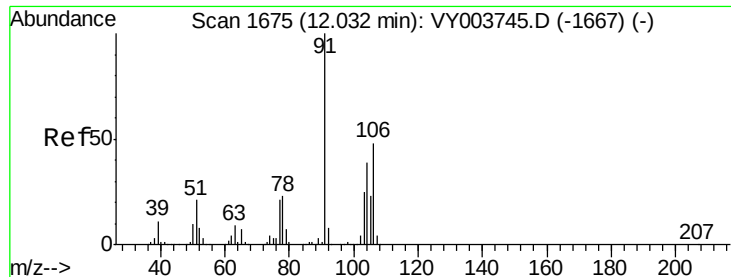
Tgt Ion: 106 Resp: 24964

Ion Ratio Lower Upper

106 100

91 197.8 136.4 253.4





#55

o-xylene

Concen: 2.567 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

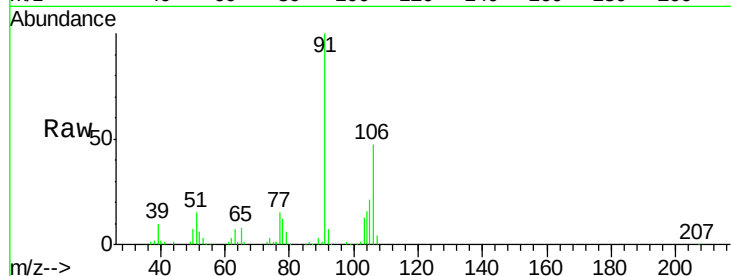
VSTD2.578

Tgt Ion:106 Resp: 21539

Ion Ratio Lower Upper

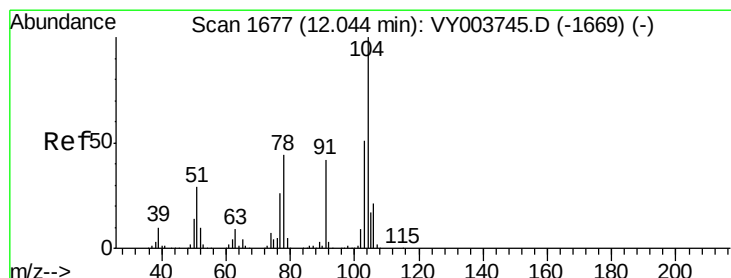
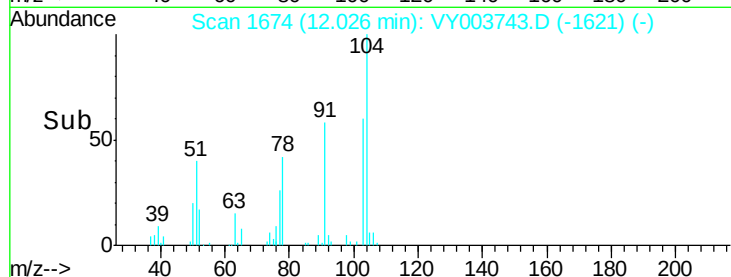
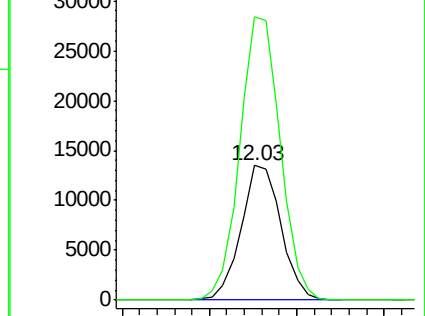
106 100

91 210.7 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 2.538 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003743.D

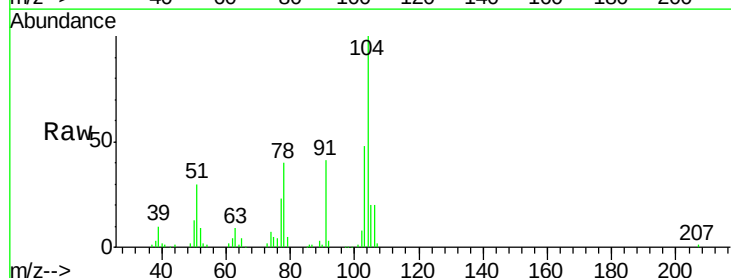
Acq: 14 Dec 2020 12:01

Tgt Ion:104 Resp: 36359

Ion Ratio Lower Upper

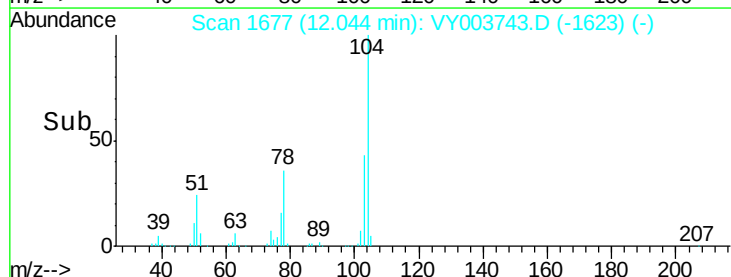
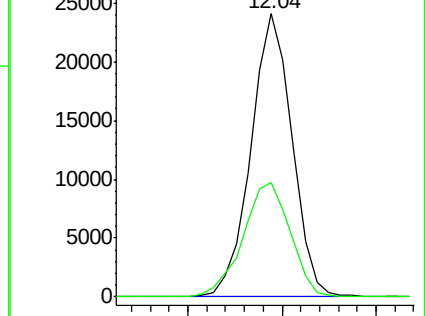
104 100

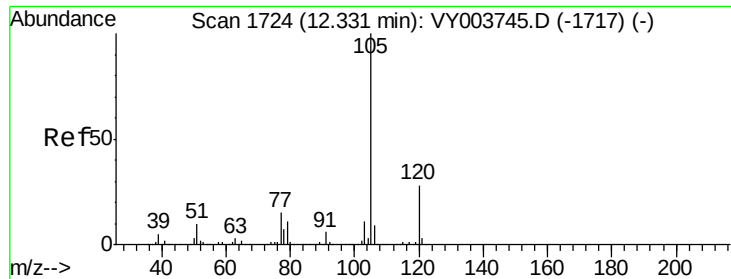
78 40.3 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 2.714 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

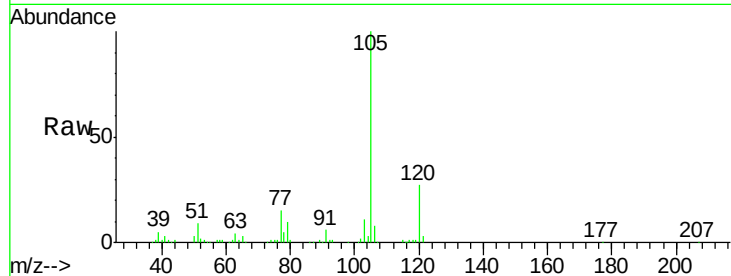
Tgt Ion: 105 Resp: 59613

Ion Ratio Lower Upper

105 100

120 27.1 22.1 33.1

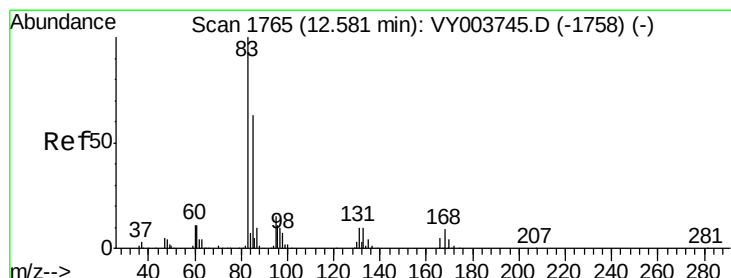
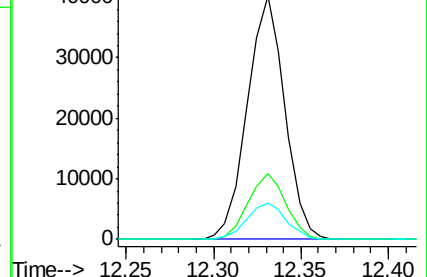
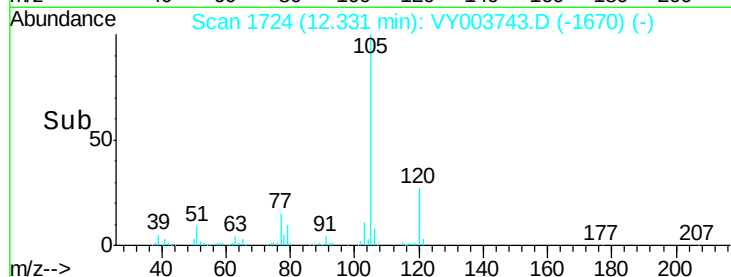
77 15.7 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): VY003743.D (-1717) (-)

Ion 120.00 (119.70 to 120.70): VY003743.D (-1717) (-)

Ion 77.00 (76.70 to 77.70): VY003743.D (-1717) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 2.833 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003743.D

Acq: 14 Dec 2020 12:01

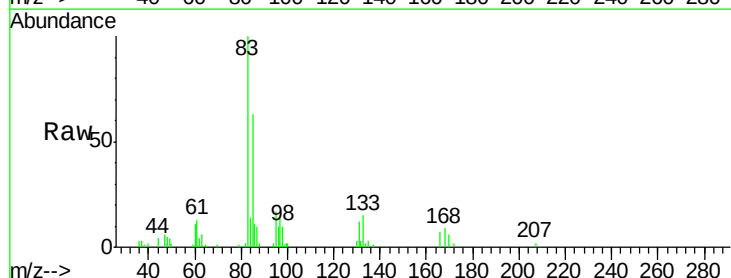
Tgt Ion: 83 Resp: 13185

Ion Ratio Lower Upper

83 100

85 63.1 43.9 81.5

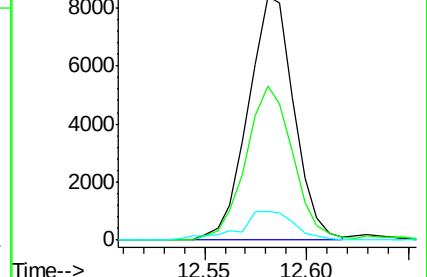
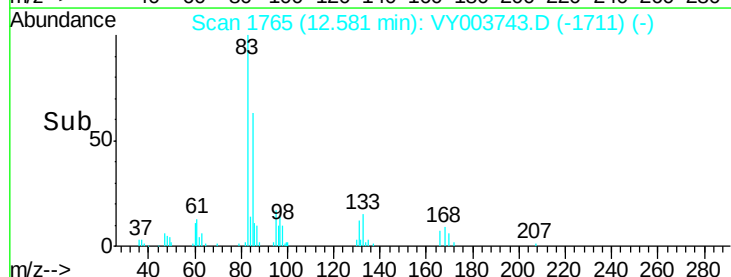
131 11.6 7.8 11.8

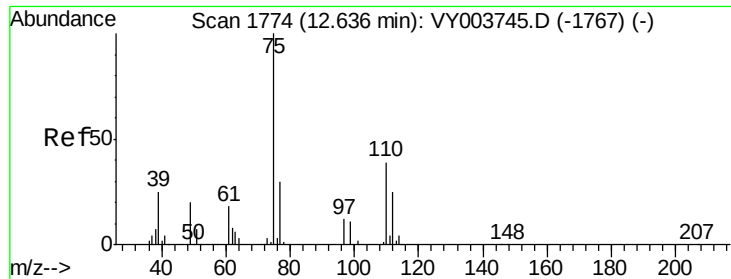


Abundance Ion 83.00 (82.70 to 83.70): VY003743.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VY003743.D (-1758) (-)

Ion 131.00 (130.70 to 131.70): VY003743.D (-1758) (-)

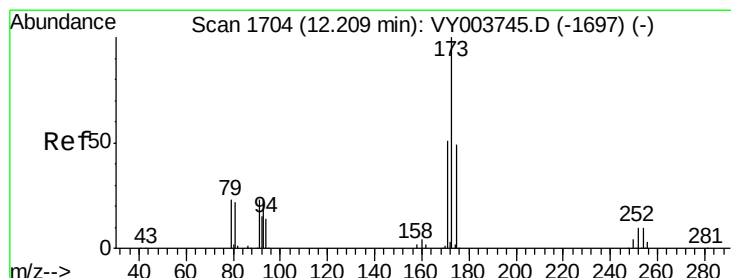
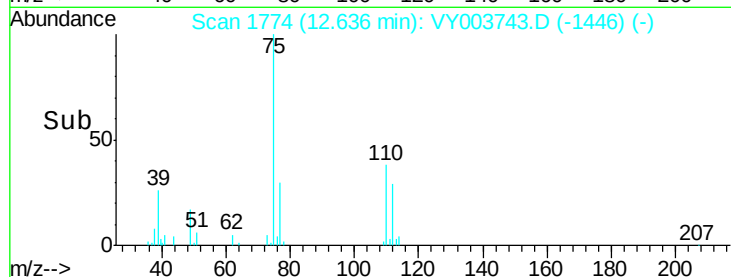
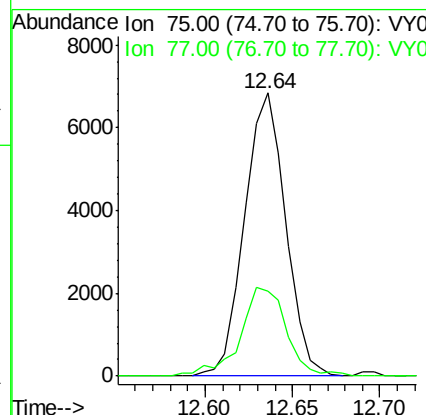
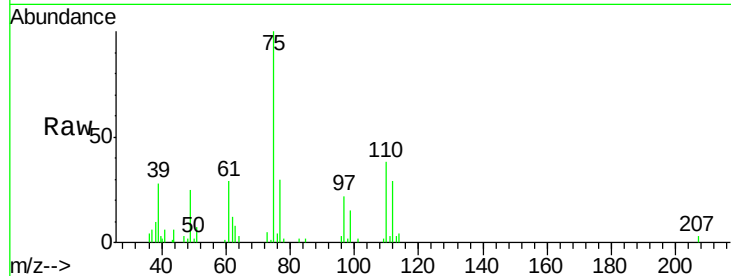




#59
 1,2,3-Trichloropropane
 Concen: 2.728 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

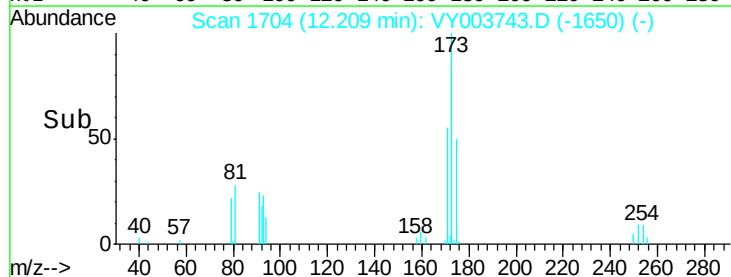
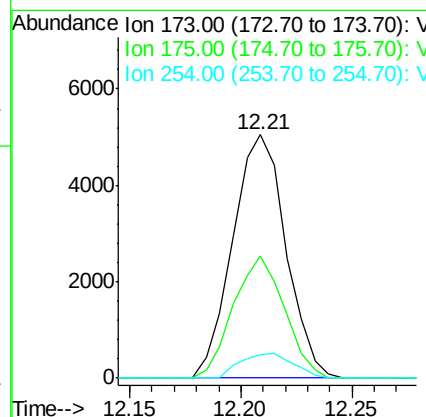
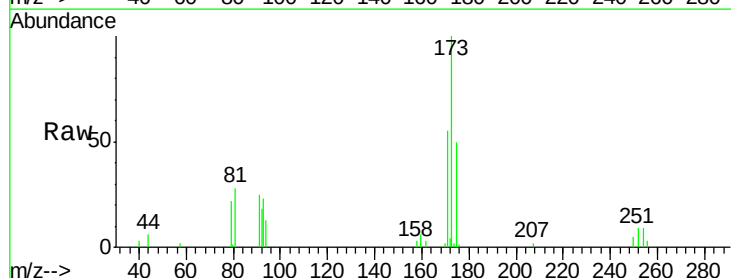
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

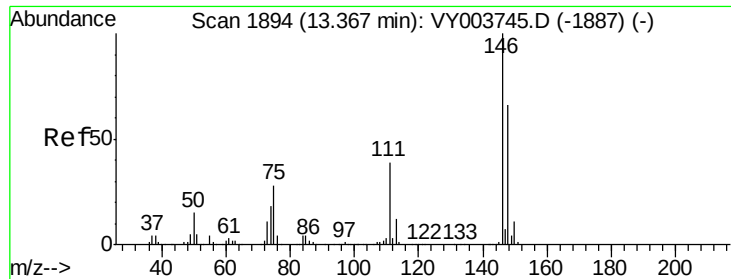
Tgt Ion: 75 Resp: 11177
 Ion Ratio Lower Upper
 75 100
 77 34.6 25.5 38.3



#62
 Bromoform
 Concen: 2.523 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

Tgt Ion: 173 Resp: 8378
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.8 58.2
 254 10.1 7.8 11.6

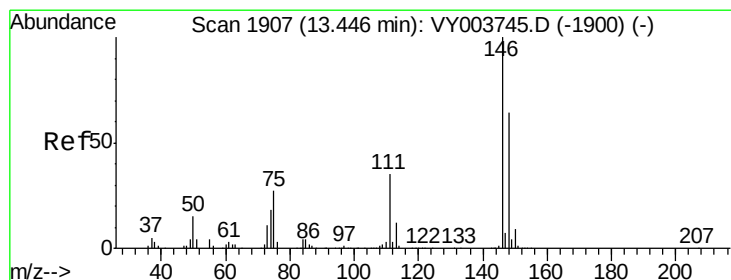
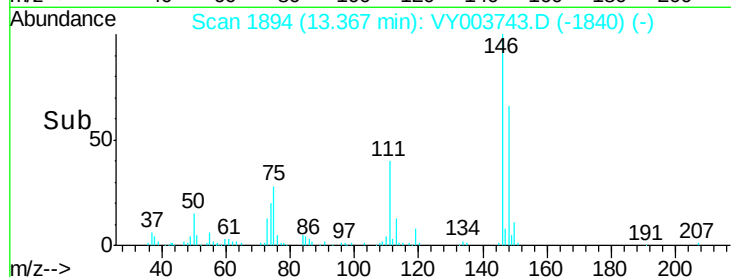
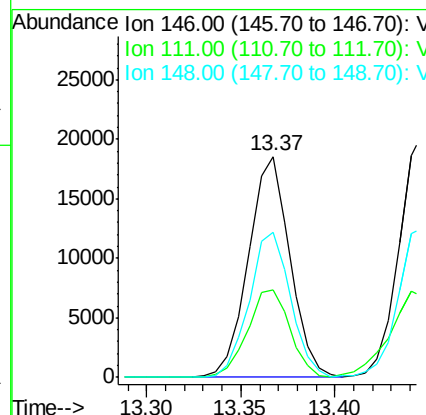
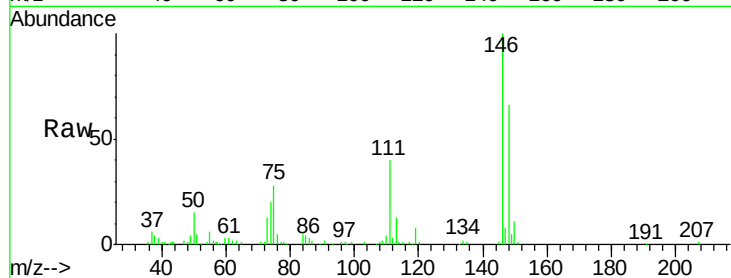




#63
 1,3-Dichlorobenzene
 Concen: 2.710 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

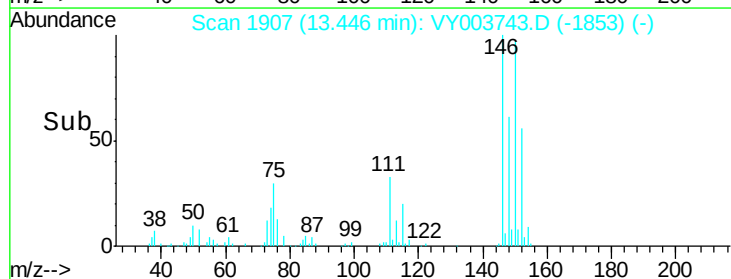
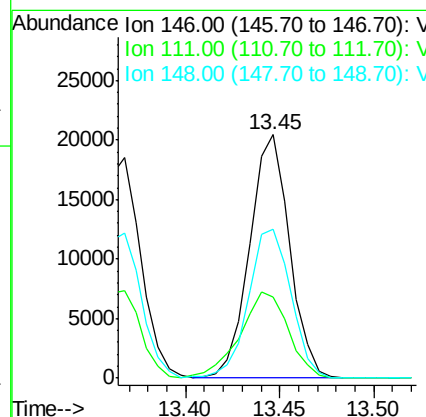
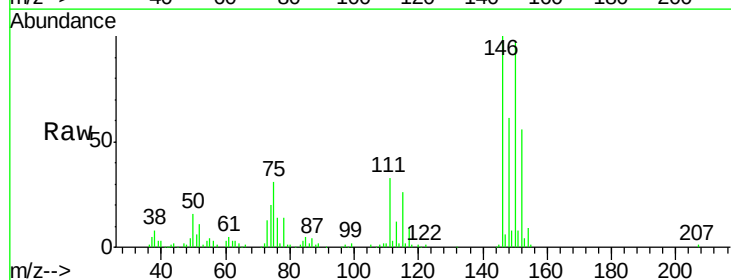
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

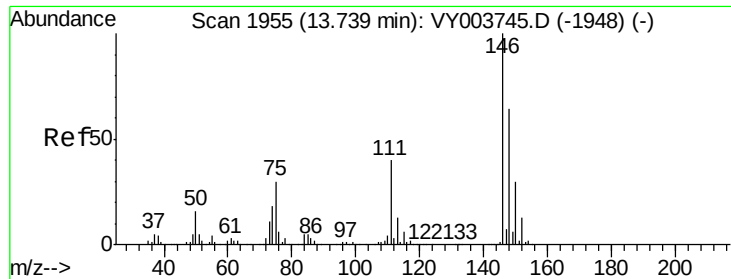
Tgt Ion:146 Resp: 28301
 Ion Ratio Lower Upper
 146 100
 111 39.8 26.9 50.1
 148 65.8 46.0 85.4



#64
 1,4-Dichlorobenzene
 Concen: 2.845 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

Tgt Ion:146 Resp: 30084
 Ion Ratio Lower Upper
 146 100
 111 33.4 24.8 46.0
 148 61.2 44.4 82.5

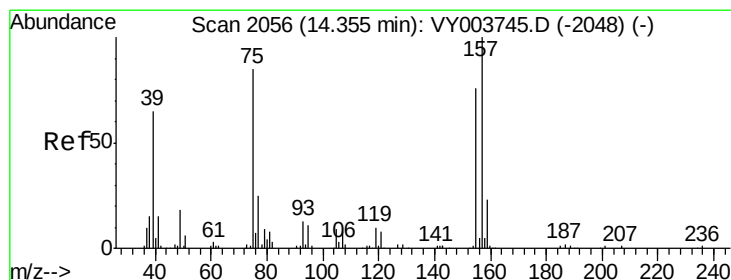
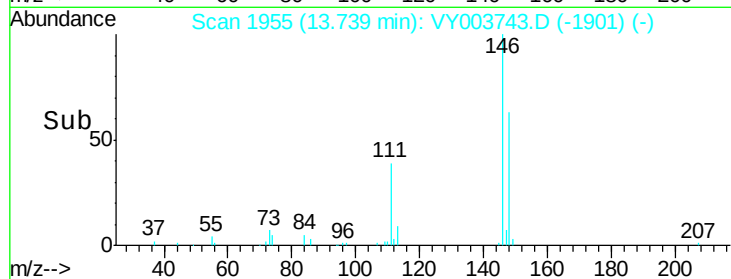
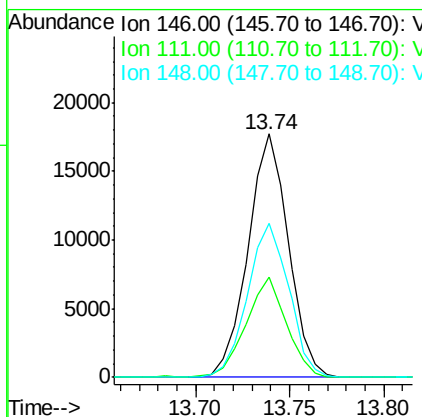
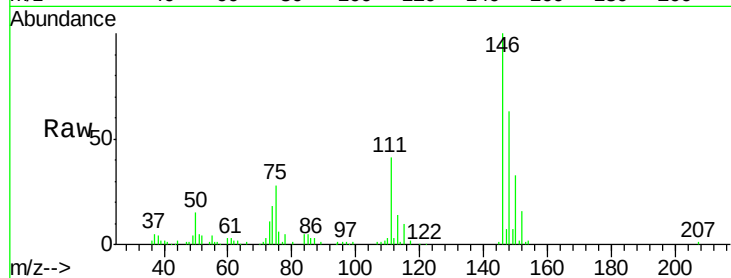




#65
 1,2-Dichlorobenzene
 Concen: 2.754 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

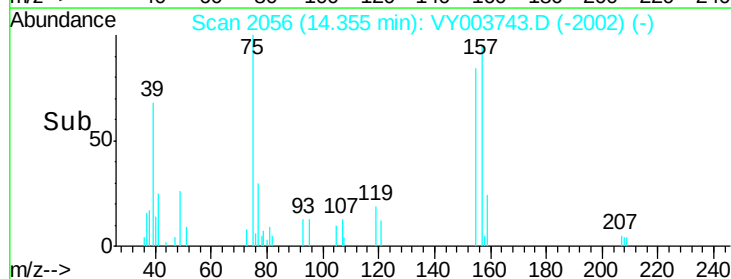
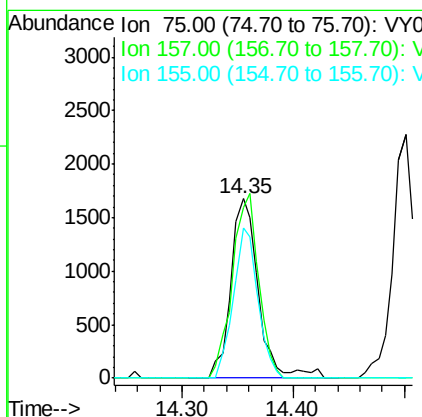
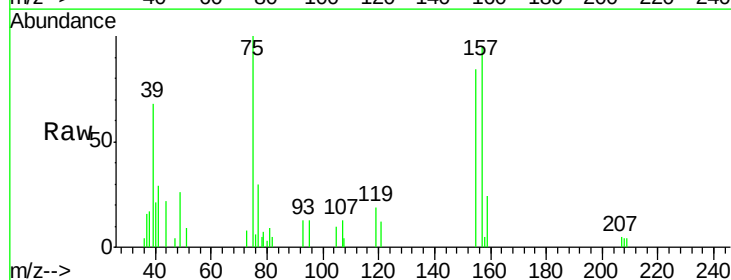
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

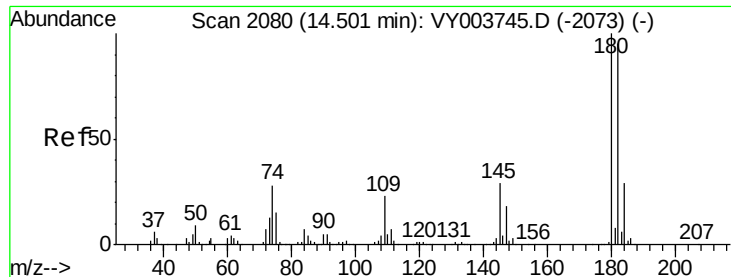
Tgt Ion:146 Resp: 26343
 Ion Ratio Lower Upper
 146 100
 111 41.2 31.8 47.8
 148 63.0 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.195 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

Tgt Ion: 75 Resp: 2860
 Ion Ratio Lower Upper
 75 100
 157 94.9 93.8 140.8
 155 83.7 70.9 106.3

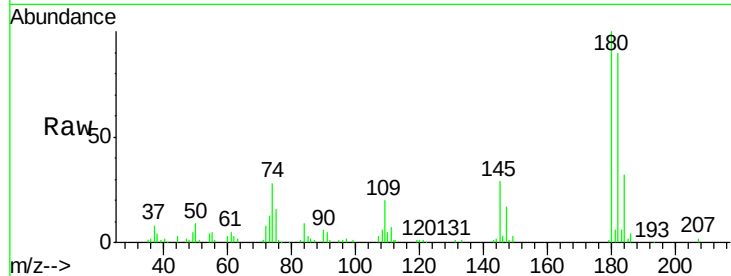




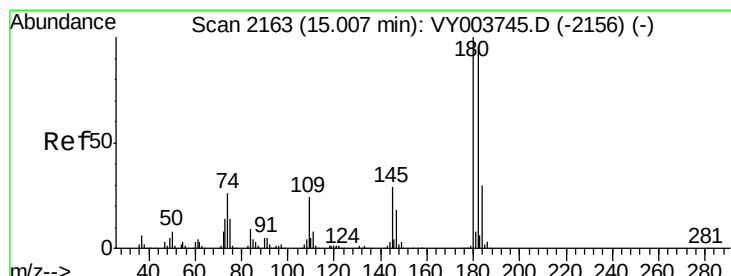
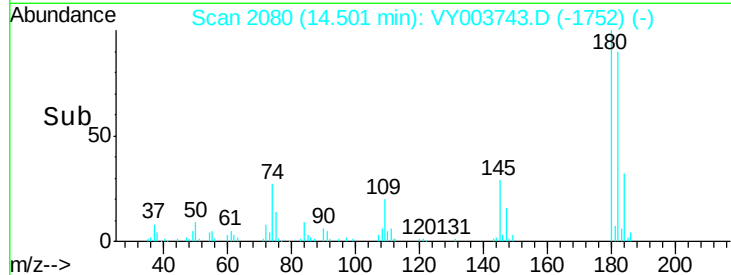
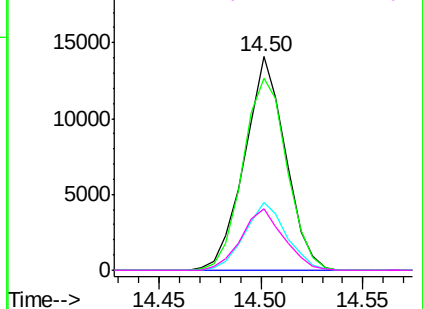
#67
 1,3,5-Trichlorobenzene
 Concen: 2.680 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tgt Ion:	180	Resp:	19761
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.7	113.5
184	32.2	24.2	36.4
145	29.6	22.9	34.3

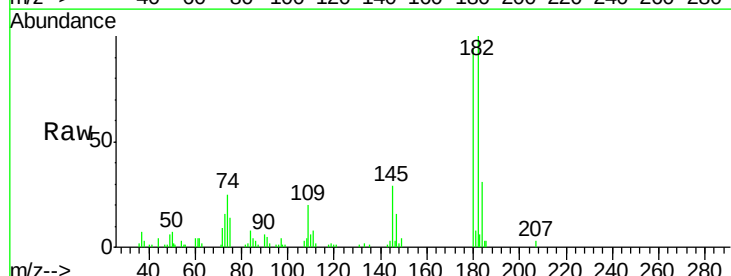


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

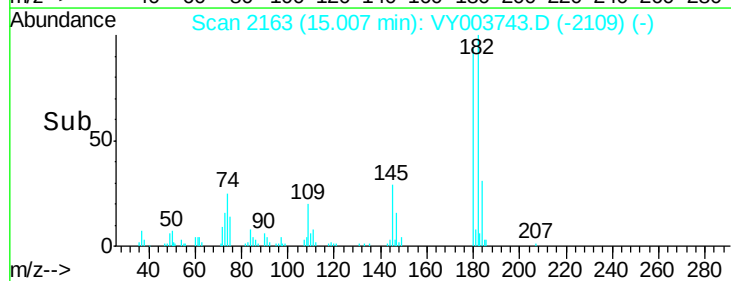
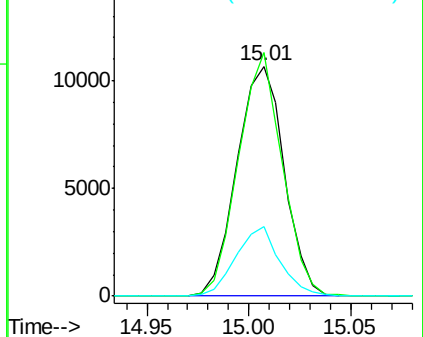


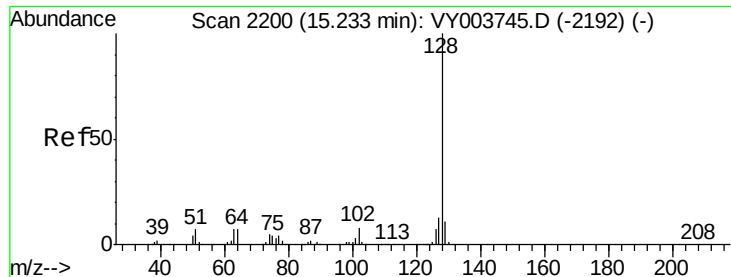
#68
 1,2,4-trichlorobenzene
 Concen: 2.745 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003743.D
 Acq: 14 Dec 2020 12:01

Tgt Ion:	180	Resp:	17201
Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.8	115.2
145	28.3	23.7	35.5



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

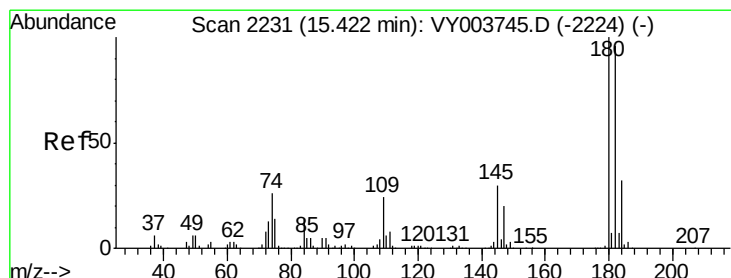
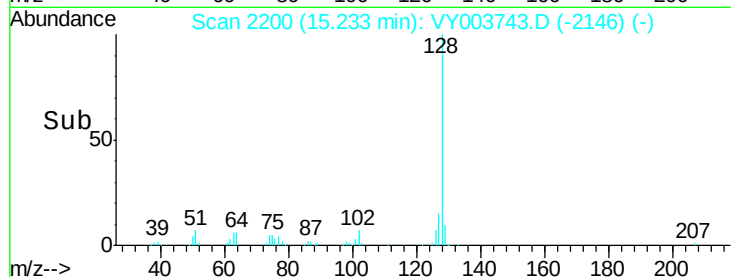
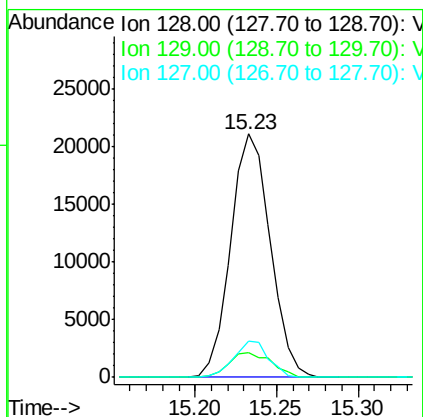
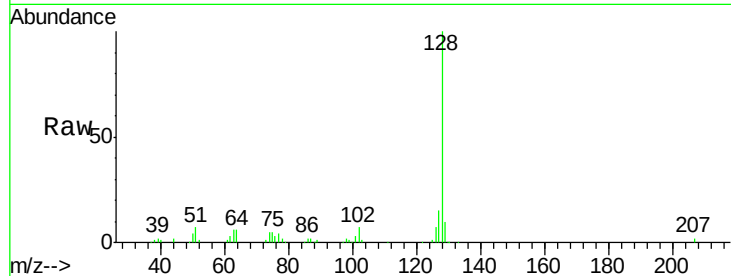




#69
Naphthalene
Concen: 2.656 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

Instrument :
MSVOA_Y
ClientSampled :
VSTD2.578

Tgt Ion:128 Resp: 35666
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.2 10.2 15.4



#70
1,2,3-Trichlorobenzene
Concen: 2.802 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003743.D
Acq: 14 Dec 2020 12:01

Tgt Ion:180 Resp: 15994
Ion Ratio Lower Upper
180 100
182 94.4 77.0 115.6
145 28.8 25.0 37.6

