

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121420\
 Data File : VY003746.D
 Acq On : 14 Dec 2020 13:09
 Operator : SY/MD
 Sample : VSTD05081
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05081

Quant Time: Dec 14 13:29:29 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	352327	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	329010	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	167588	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	234987	48.17	ug/L	0.00
7) Chloroethane-d5	2.77	69	174275	47.17	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	498422	52.83	ug/L	0.00
20) 2-Butanone-d5	6.90	46	203685	109.01	ug/L	0.00
24) Chloroform-d	7.49	84	451633	50.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	248267	48.76	ug/L	0.00
29) Benzene-d6	8.12	84	934240	49.40	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	285985	50.52	ug/L	0.00
37) Toluene-d8	10.18	98	861214	50.78	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	143997	53.32	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	164996	111.76	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	251239	49.88	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	297090	49.32	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	292361	68.489	ug/L 100
3) Chloromethane	2.12	50	267858	59.615	ug/L 100
5) Vinyl chloride	2.26	62	273164	58.086	ug/L 98
6) Bromomethane	2.66	94	169947	57.131	ug/L 100
8) Chloroethane	2.80	64	159226	55.918	ug/L 100
9) Trichlorofluoromethane	3.14	101	419096	58.379	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	257423	56.257	ug/L 100
12) 1,1-Dichloroethene	3.88	96	247788	57.765	ug/L 92
13) Acetone	3.95	43	133720	99.666	ug/L 99
14) Carbon disulfide	4.20	76	870841	59.886	ug/L 99
15) Methyl Acetate	4.49	43	179246	52.903	ug/L 99
16) Methylene chloride	4.73	84	271646	43.287	ug/L 97
17) Methyl tert-butyl Ether	5.23	73	693078	56.789	ug/L 99
18) trans-1,2-Dichloroethene	5.23	96	266181	55.112	ug/L 98
19) 1,1-Dichloroethane	6.03	63	462807	56.537	ug/L 100
21) 2-Butanone	7.00	43	233797	98.996	ug/L 99
22) cis-1,2-Dichloroethene	7.00	96	284587	55.460	ug/L 97
23) Bromochloromethane	7.34	128	136012	53.152	ug/L 97
25) Chloroform	7.52	83	452024	54.962	ug/L 99
27) 1,2-Dichloroethane	8.25	62	306802	55.064	ug/L 100
30) Cyclohexane	7.79	56	466255	62.703	ug/L 99
31) 1,1,1-Trichloroethane	7.71	97	404352	56.077	ug/L 99
32) Carbon tetrachloride	7.91	117	363244	57.115	ug/L 99
34) Benzene	8.17	78	1052161	54.807	ug/L 100
35) Trichloroethene	8.94	95	284818	54.153	ug/L 99
36) Methylcyclohexane	9.18	83	488611	59.805	ug/L 99
40) 1,2-Dichloropropane	9.22	63	271253	55.977	ug/L 100
41) Bromodichloromethane	9.50	83	344892	56.278	ug/L 100
42) cis-1,3-Dichloropropene	9.93	75	444619	58.266	ug/L 98
43) 4-Methyl-2-pentanone	10.08	43	509507	110.830	ug/L 100

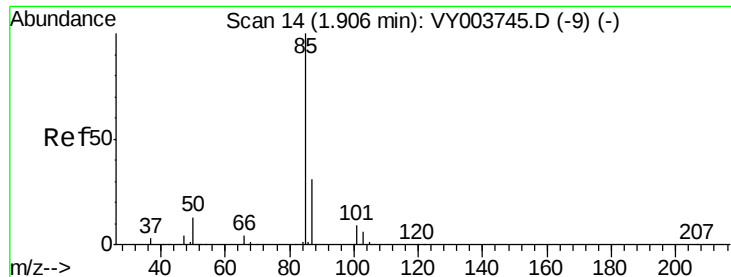
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121420\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.25	91	1134434	56.109	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	404550	57.495	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	219667	53.089	ug/L	99
47) Tetrachloroethene	10.72	164	222687	54.552	ug/L	99
49) 2-Hexanone	10.83	43	358481	110.755	ug/L	98
50) Dibromochloromethane	10.98	129	260511	53.871	ug/L	100
51) 1,2-Dibromoethane	11.09	107	218838	54.406	ug/L	98
52) Chlorobenzene	11.51	112	709749	53.596	ug/L	98
53) Ethylbenzene	11.59	91	1243329	56.187	ug/L	100
54) m,p-Xylene	11.70	106	477754	56.195	ug/L	98
55) o-xylene	12.03	106	456166	55.915	ug/L	100
56) Styrene	12.04	104	794393	57.026	ug/L	98
57) Isopropylbenzene	12.33	105	1220424	57.147	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	251523	55.576	ug/L	98
59) 1,2,3-Trichloropropane	12.64	75	209236	52.525	ug/L	100
62) Bromoform	12.21	173	176463	54.850	ug/L	99
63) 1,3-Dichlorobenzene	13.37	146	545778	53.948	ug/L	99
64) 1,4-Dichlorobenzene	13.45	146	545107	53.204	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	503579	54.339	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	46217	53.285	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	379376	53.107	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	322094	53.056	ug/L	99
69) Naphthalene	15.23	128	757040	58.184	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	289498	52.349	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 68.489 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

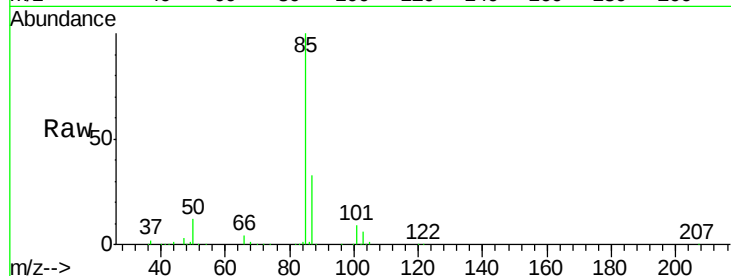
VSTD05081

Tgt Ion: 85 Resp: 292361

Ion Ratio Lower Upper

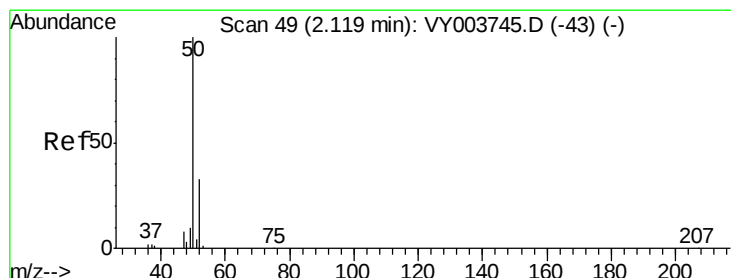
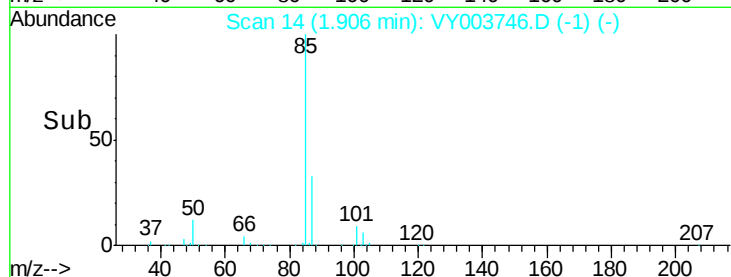
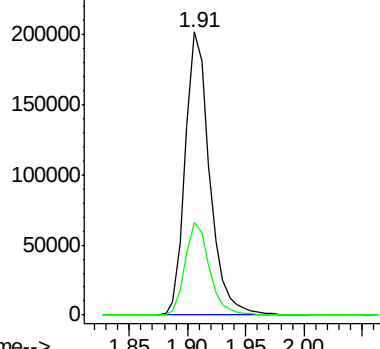
85 100

87 32.7 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: 59.615 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003746.D

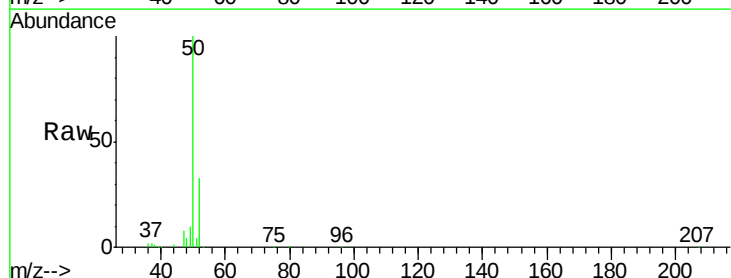
Acq: 14 Dec 2020 13:09

Tgt Ion: 50 Resp: 267858

Ion Ratio Lower Upper

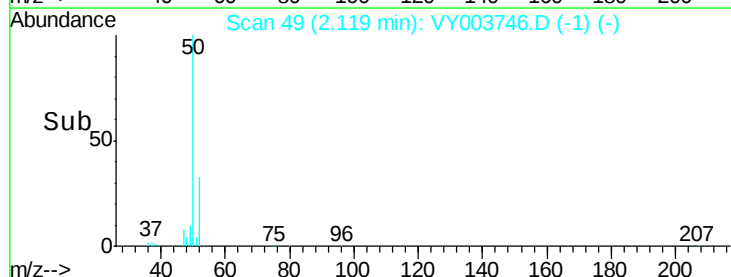
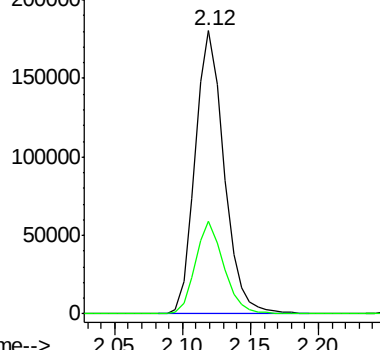
50 100

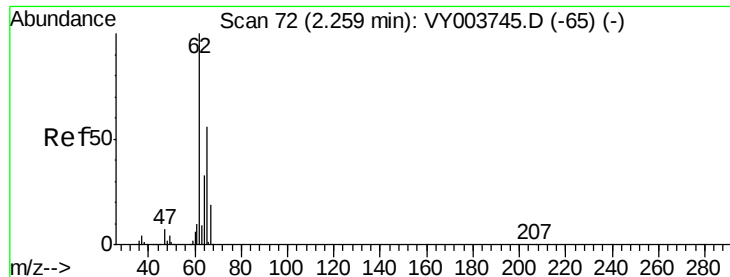
52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 58.086 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

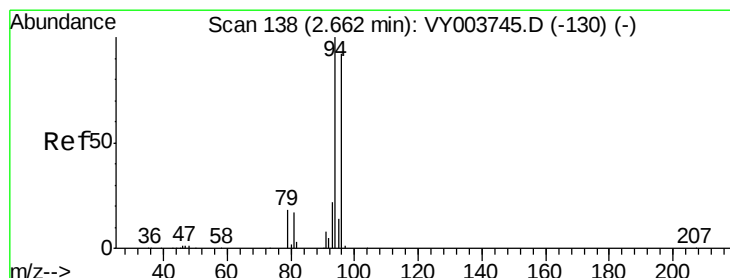
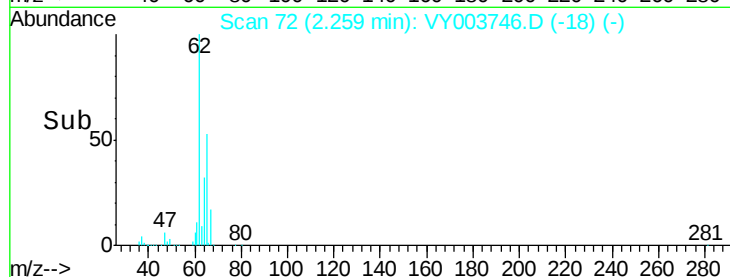
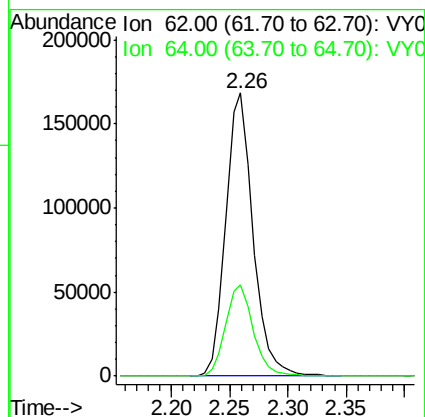
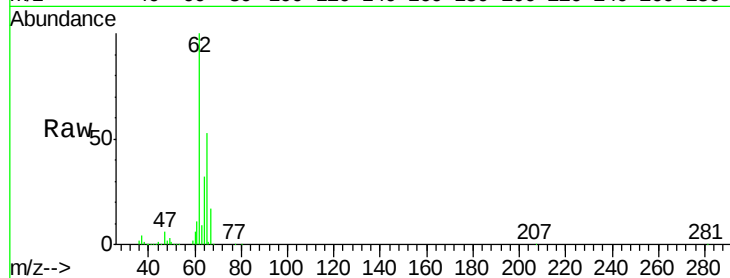
VSTD05081

Tgt Ion: 62 Resp: 273164

Ion Ratio Lower Upper

62 100

64 32.2 23.2 43.2



#6

Bromomethane

Concen: 57.131 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003746.D

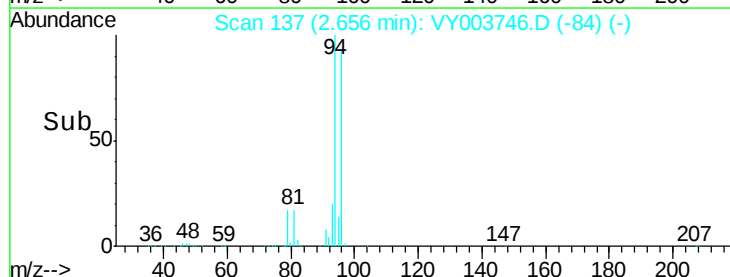
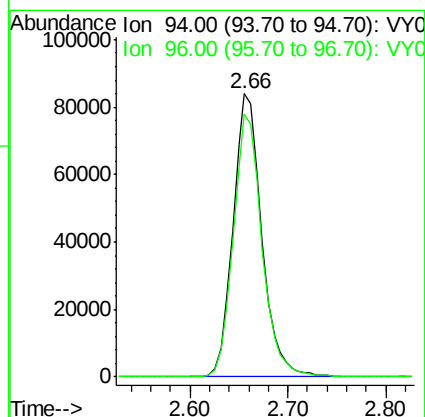
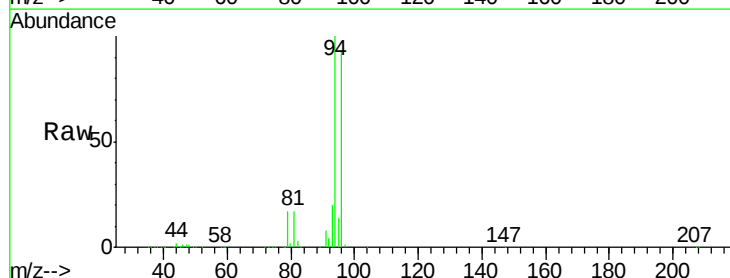
Acq: 14 Dec 2020 13:09

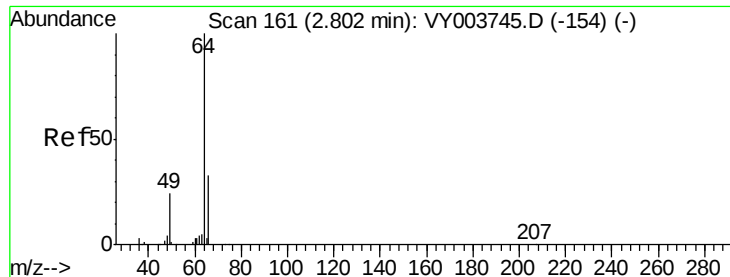
Tgt Ion: 94 Resp: 169947

Ion Ratio Lower Upper

94 100

96 93.6 9.3 177.5





#8

Chloroethane

Concen: 55.918 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

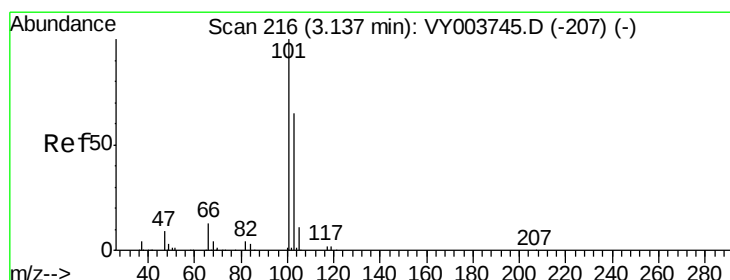
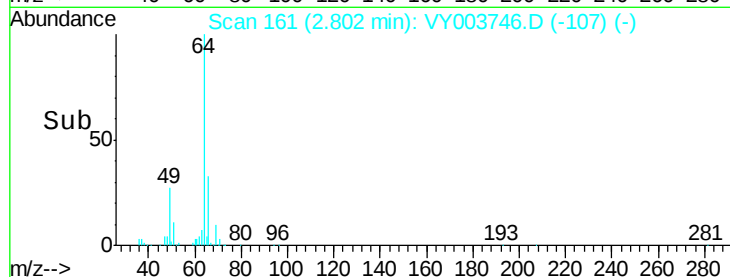
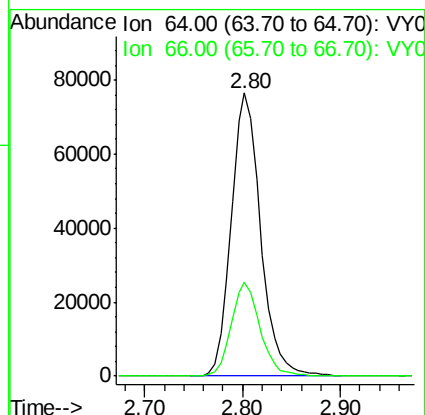
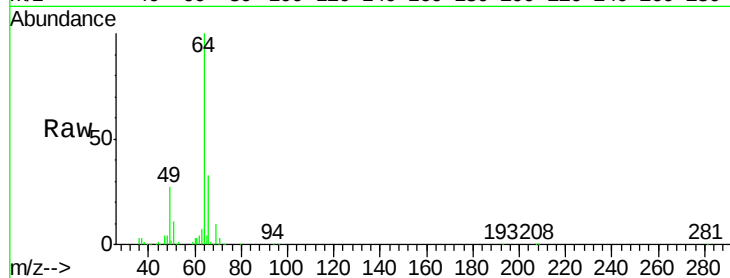
VSTD05081

Tgt Ion: 64 Resp: 159226

Ion Ratio Lower Upper

64 100

66 33.2 23.1 42.9



#9

Trichlorofluoromethane

Concen: 58.379 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003746.D

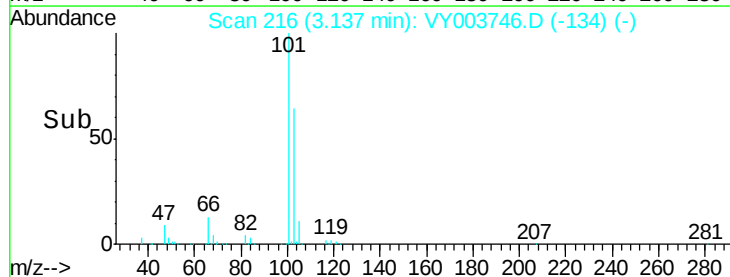
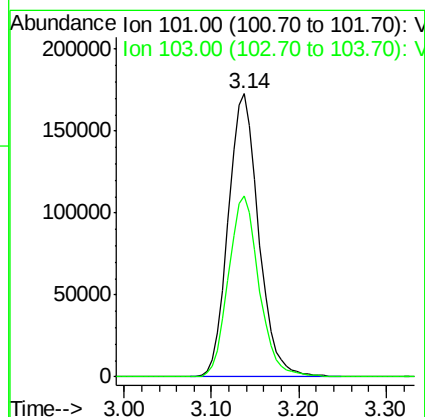
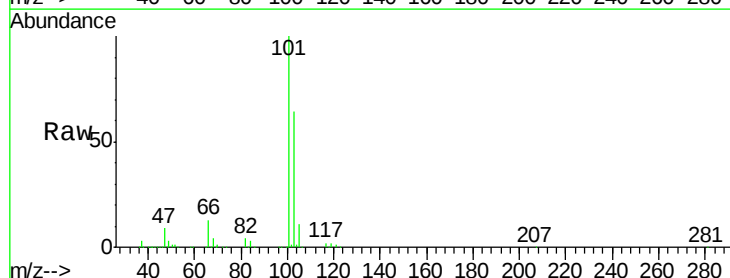
Acq: 14 Dec 2020 13:09

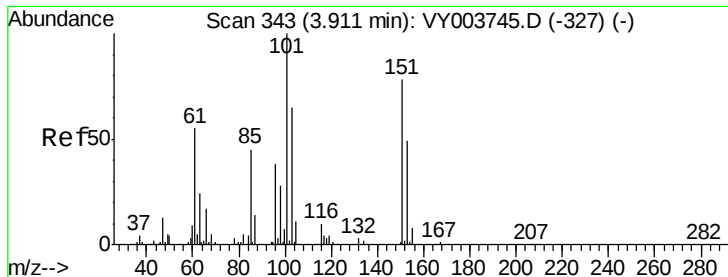
Tgt Ion: 101 Resp: 419096

Ion Ratio Lower Upper

101 100

103 64.5 45.3 84.1





#11

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

Concen: 56.257 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

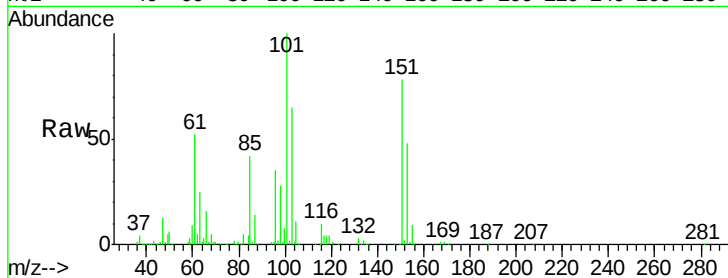
Tgt Ion:101 Resp: 257423

Ion Ratio Lower Upper

101 100

85 42.7 33.8 50.6

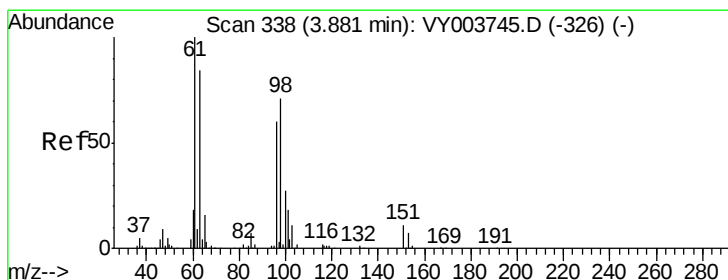
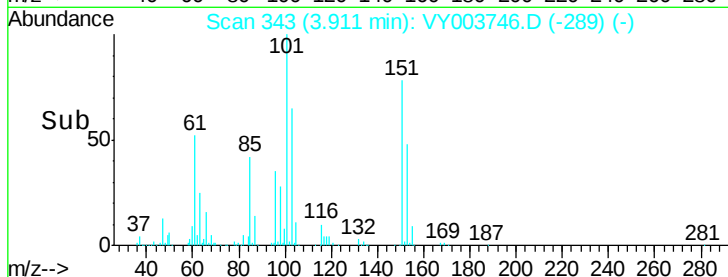
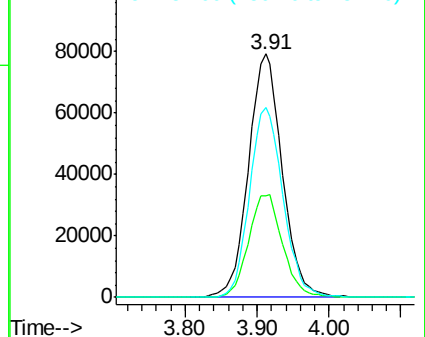
151 77.5 62.1 93.1



Abundance Ion 101.00 (100.70 to 101.70): VY003746.D (-289) (-)

Ion 85.00 (84.70 to 85.70): VY003746.D (-289) (-)

Ion 151.00 (150.70 to 151.70): VY003746.D (-289) (-)



#12

1,1-Dichloroethene

Concen: 57.765 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

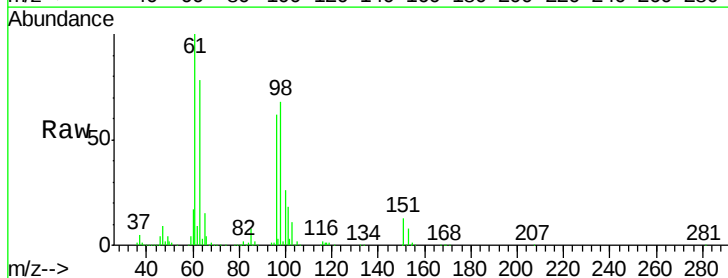
Tgt Ion: 96 Resp: 247788

Ion Ratio Lower Upper

96 100

61 162.1 117.3 217.9

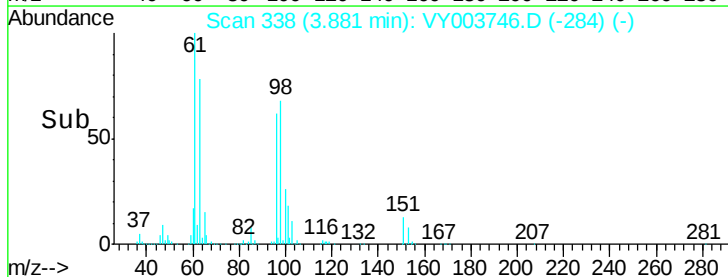
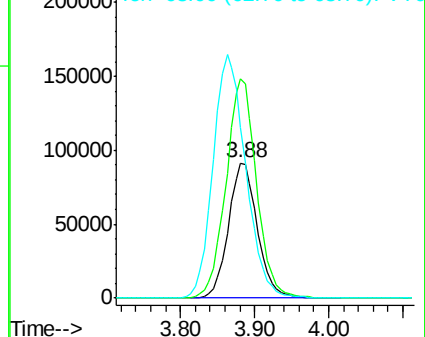
63 126.1 99.5 184.7

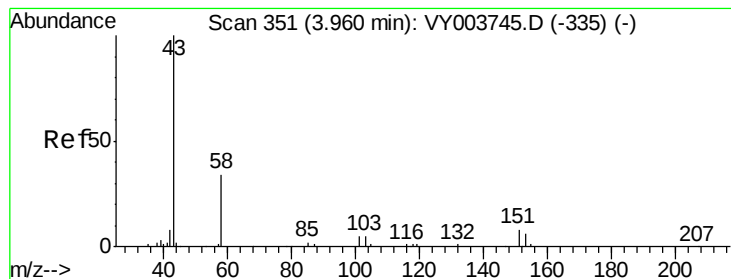


Abundance Ion 96.00 (95.70 to 96.70): VY003746.D (-284) (-)

Ion 61.00 (60.70 to 61.70): VY003746.D (-284) (-)

Ion 63.00 (62.70 to 63.70): VY003746.D (-284) (-)





#13

Acetone

Concen: 99.666 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

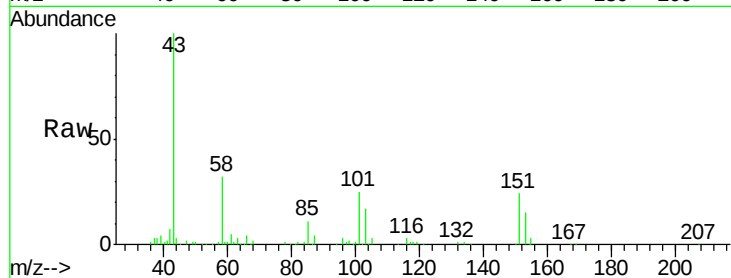
VSTD05081

Tgt Ion: 43 Resp: 133720

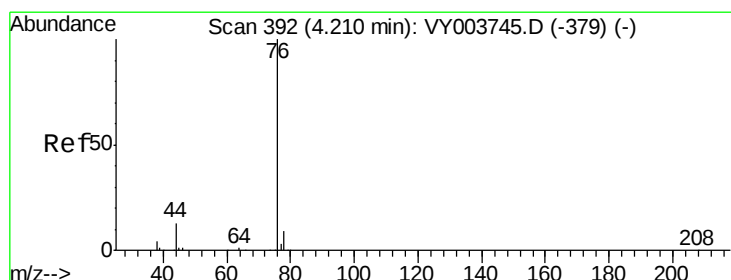
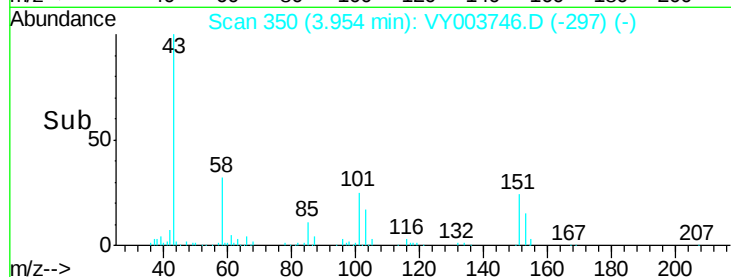
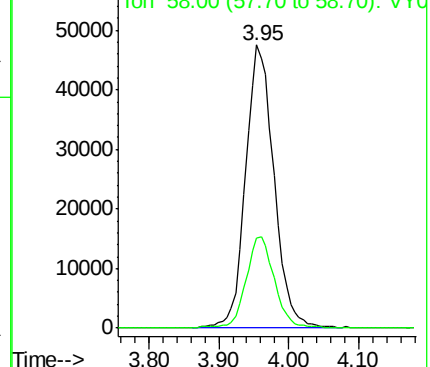
Ion Ratio Lower Upper

43 100

58 32.1 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY003746.D (-350) (-)



#14

Carbon disulfide

Concen: 59.886 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.01 min

Lab File: VY003746.D

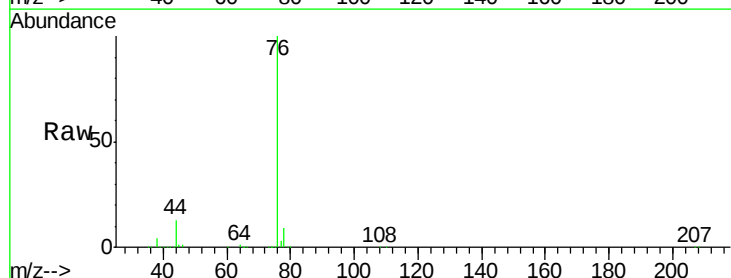
Acq: 14 Dec 2020 13:09

Tgt Ion: 76 Resp: 870841

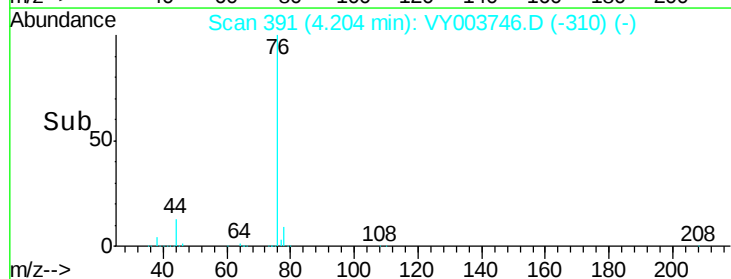
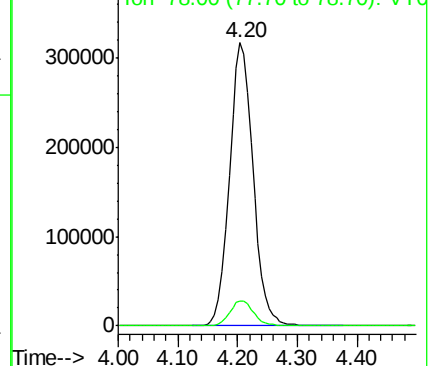
Ion Ratio Lower Upper

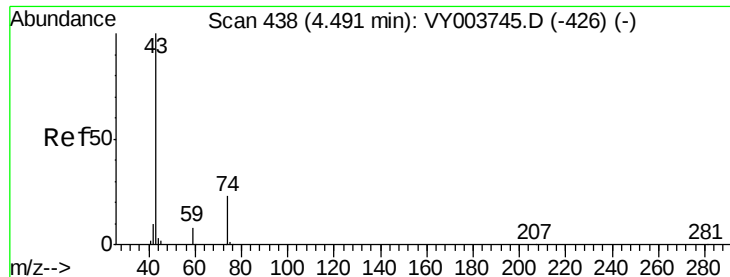
76 100

78 8.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY003746.D (-310) (-)

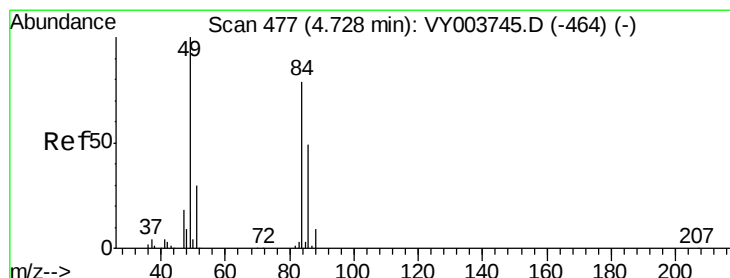
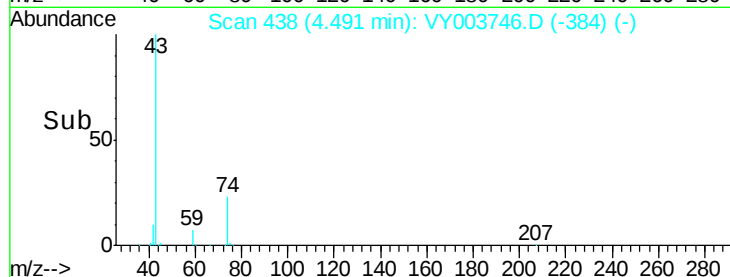
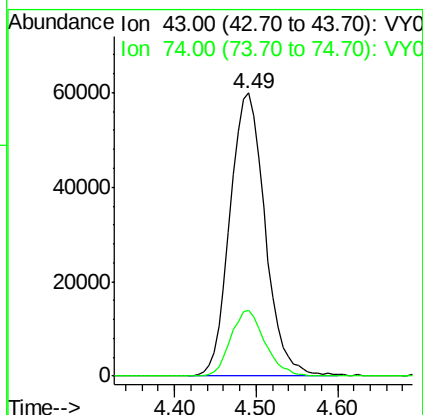
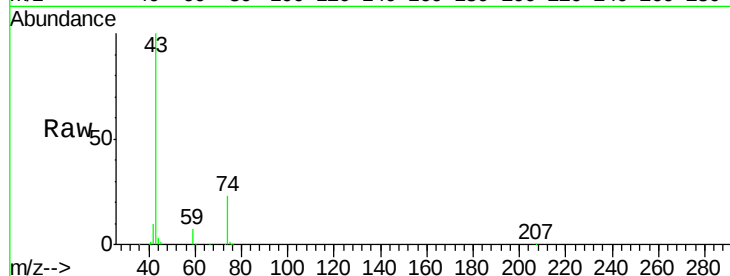




#15
Methyl Acetate
Concen: 52.903 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

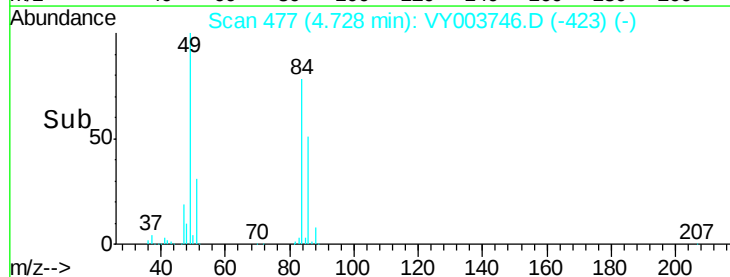
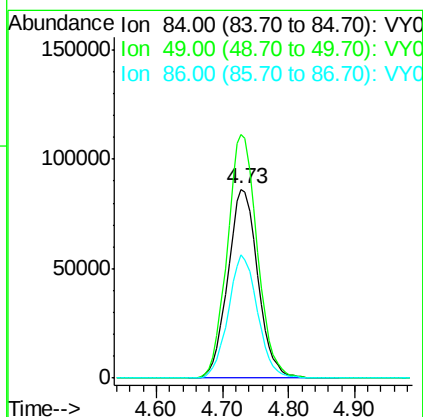
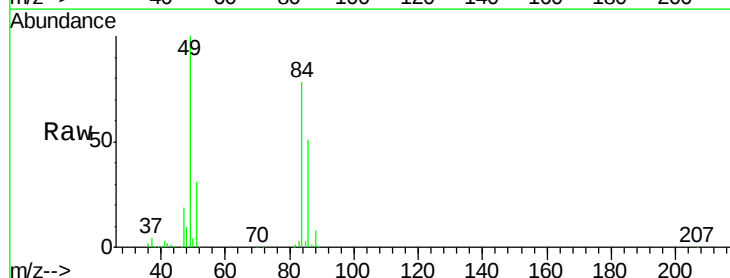
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

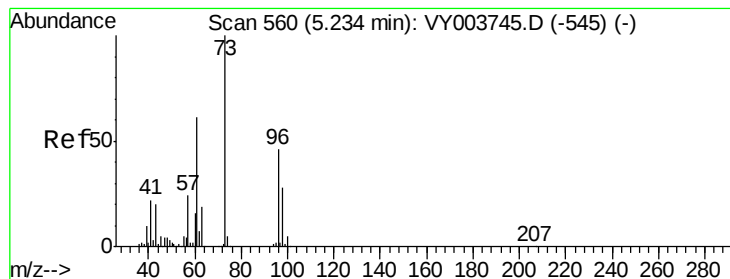
Tgt Ion: 43 Resp: 179246
Ion Ratio Lower Upper
43 100
74 22.8 17.7 26.5



#16
Methylene chloride
Concen: 43.287 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Tgt Ion: 84 Resp: 271646
Ion Ratio Lower Upper
84 100
49 129.0 88.2 163.8
86 65.4 43.0 79.8





#17

Methyl tert-butyl Ether

Concen: 56.789 ug/L

RT: 5.23 min Scan# 560

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

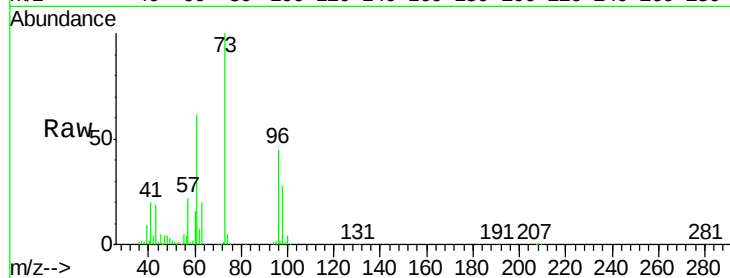
Tgt Ion: 73 Resp: 693078

Ion Ratio Lower Upper

73 100

43 19.2 15.5 23.3

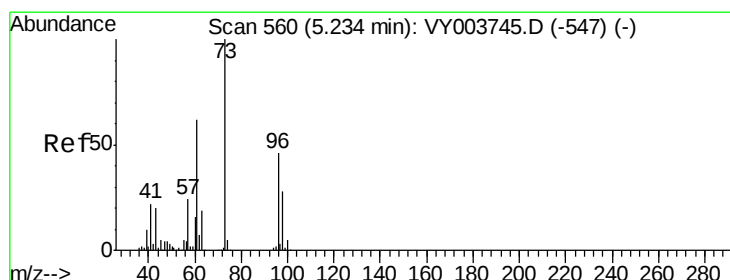
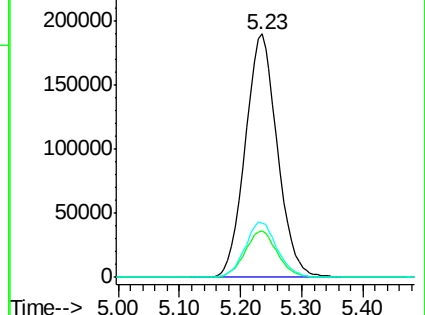
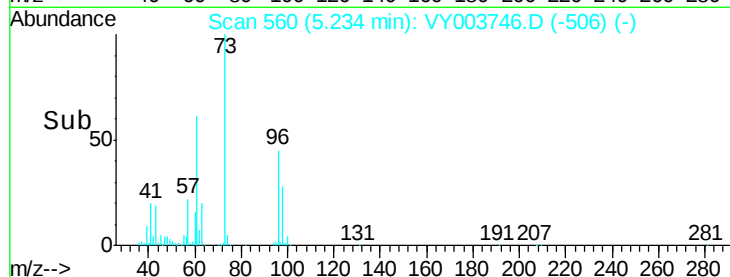
57 22.8 18.6 27.8



Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#18

trans-1,2-Dichloroethene

Concen: 55.112 ug/L

RT: 5.23 min Scan# 560

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

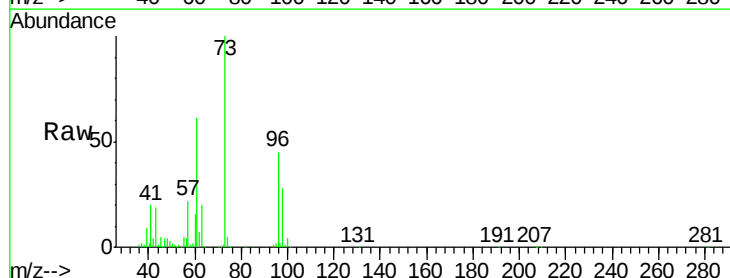
Tgt Ion: 96 Resp: 266181

Ion Ratio Lower Upper

96 100

61 136.1 93.9 174.5

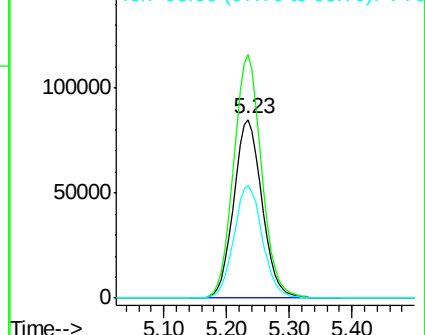
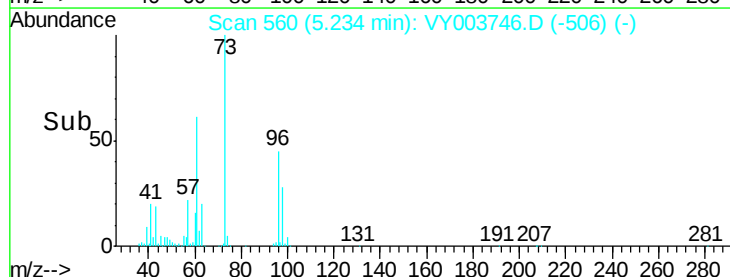
98 63.1 43.5 80.7

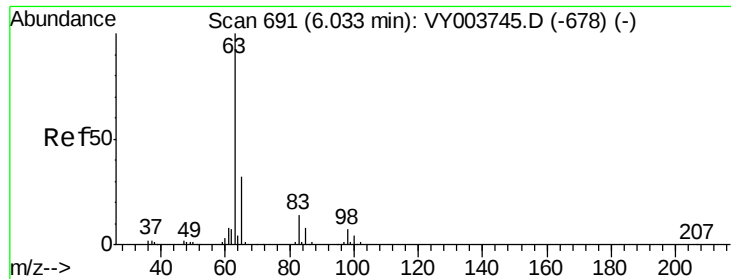


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

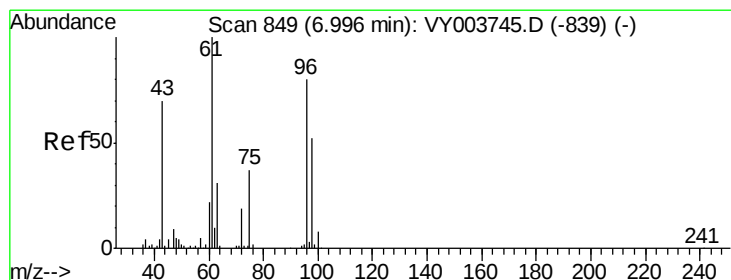
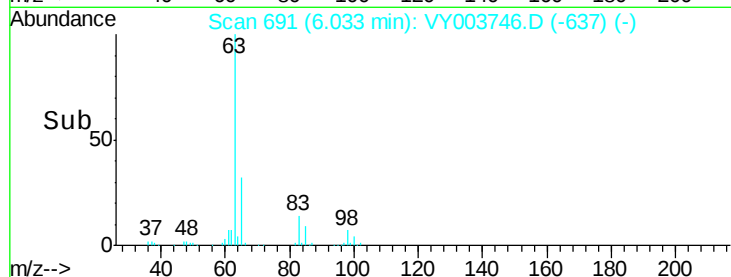
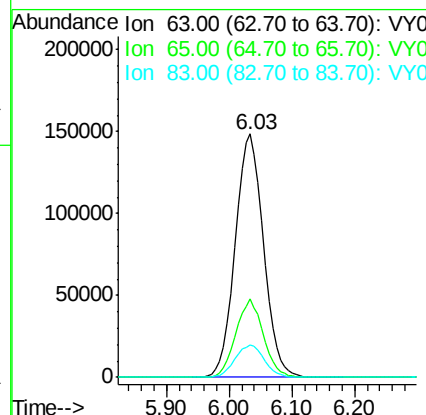
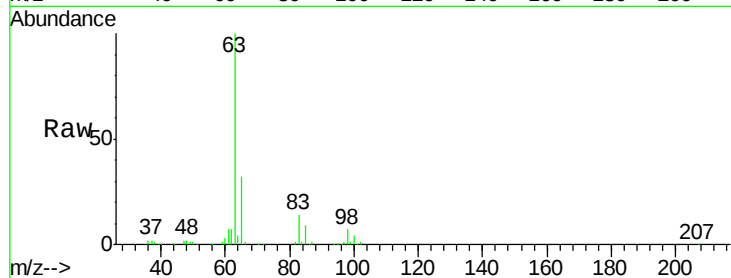




#19
 1,1-Dichloroethane
 Concen: 56.537 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VY003746.D
 Acq: 14 Dec 2020 13:09

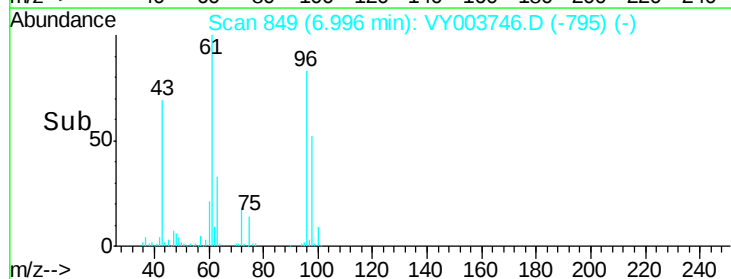
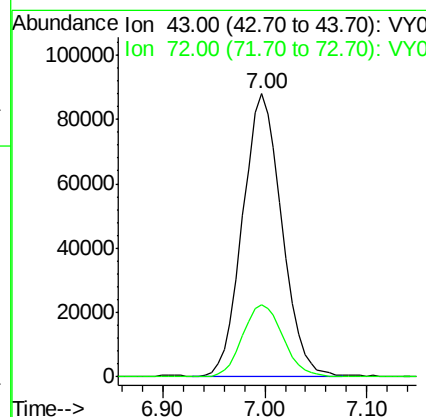
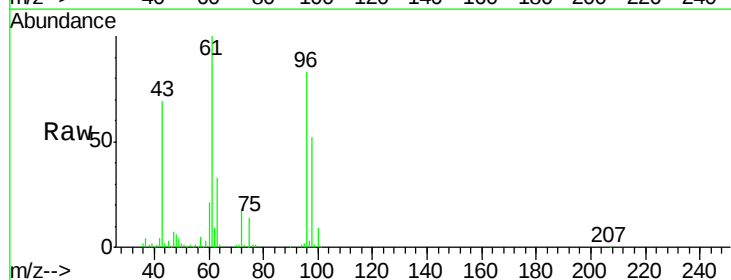
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05081

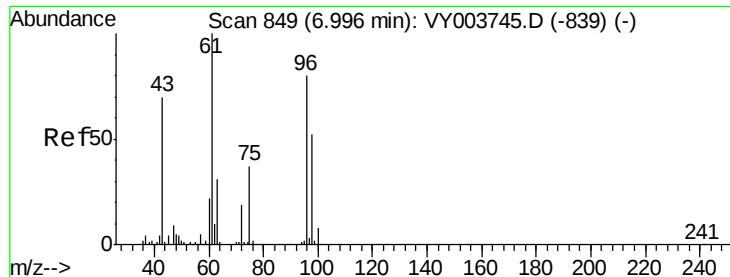
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.3	41.3
83	13.5	9.4	17.6



#21
 2-Butanone
 Concen: 98.996 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003746.D
 Acq: 14 Dec 2020 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.6	13.0	39.0



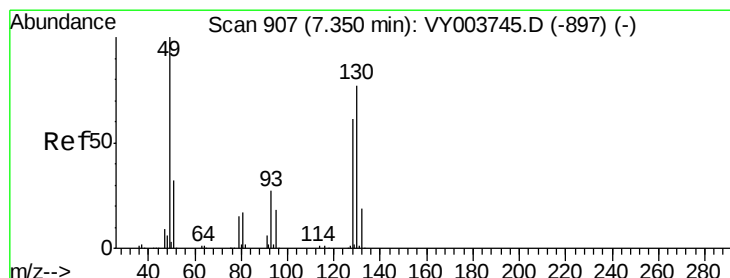
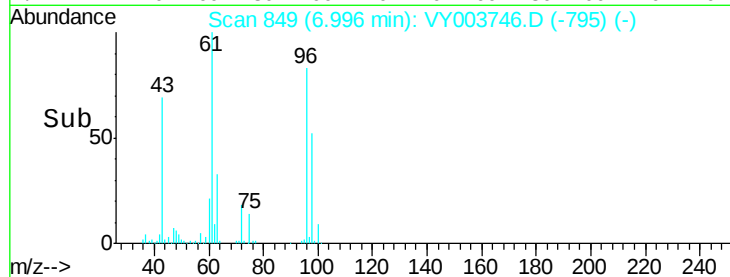
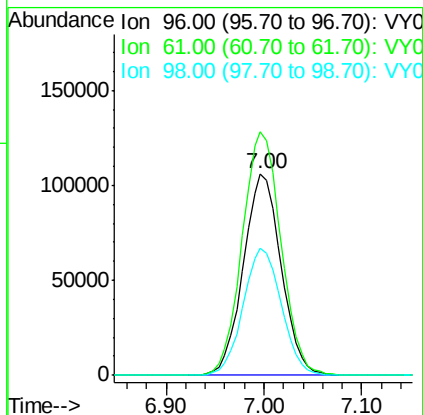
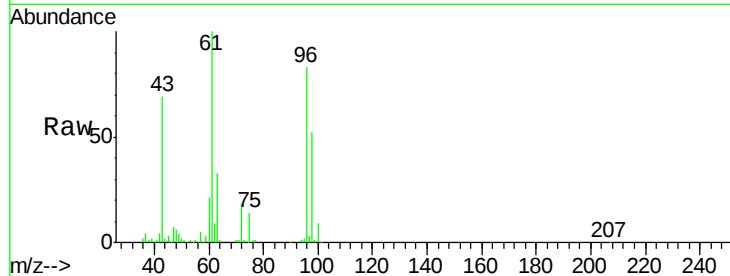


#22

cis-1,2-Dichloroethene
Concen: 55.460 ug/L
RT: 7.00 min Scan# 849
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

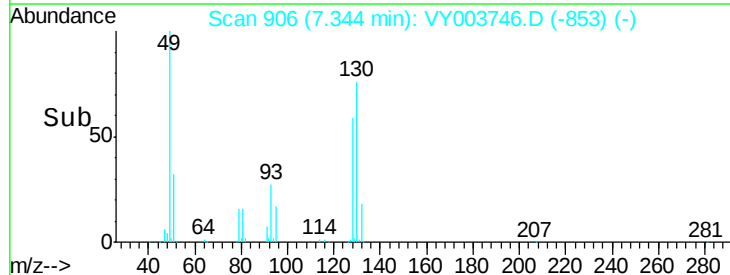
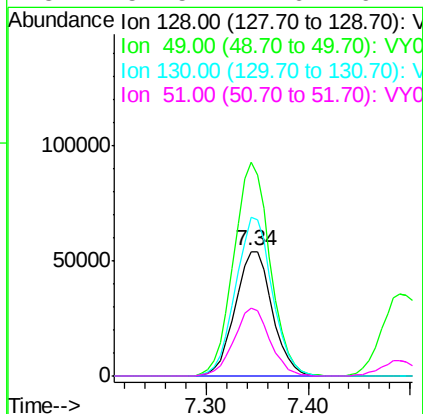
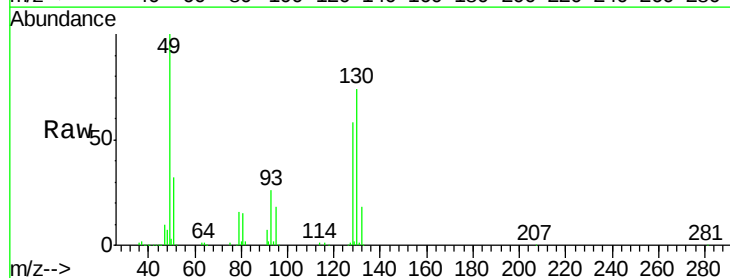
Tgt Ion: 96 Resp: 284587
Ion Ratio Lower Upper
96 100
61 120.8 88.0 163.4
98 63.4 45.4 84.4

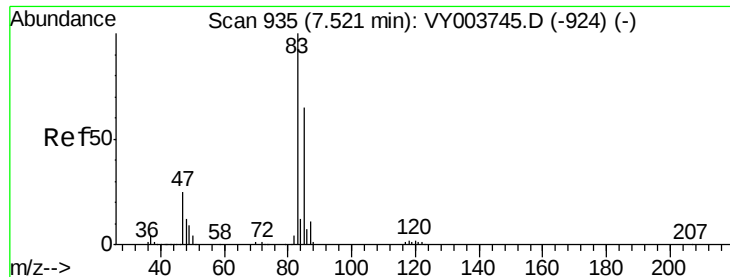


#23

Bromochloromethane
Concen: 53.152 ug/L
RT: 7.34 min Scan# 906
Delta R.T. -0.01 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Tgt Ion: 128 Resp: 136012
Ion Ratio Lower Upper
128 100
49 171.8 115.1 213.8
130 127.8 88.9 165.1
51 54.5 41.6 62.4





#25

Chloroform

Concen: 54.962 ug/L

RT: 7.52 min Scan# 935

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

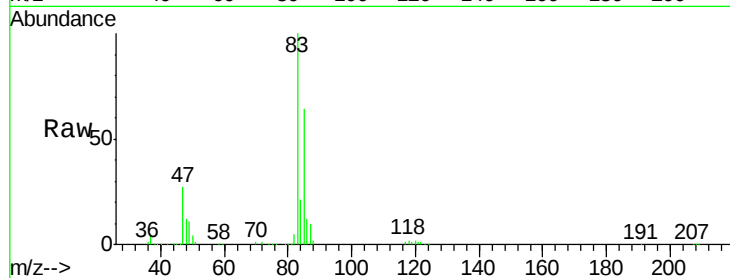
VSTD05081

Tgt Ion: 83 Resp: 452024

Ion Ratio Lower Upper

83 100

85 65.4 46.5 86.3



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

7.52

200000

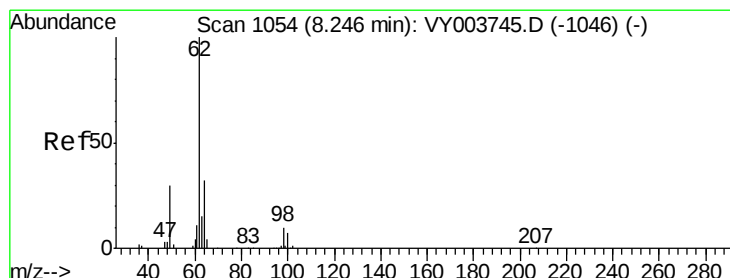
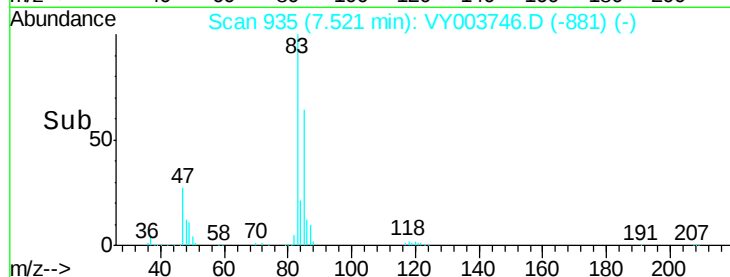
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 55.064 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY003746.D

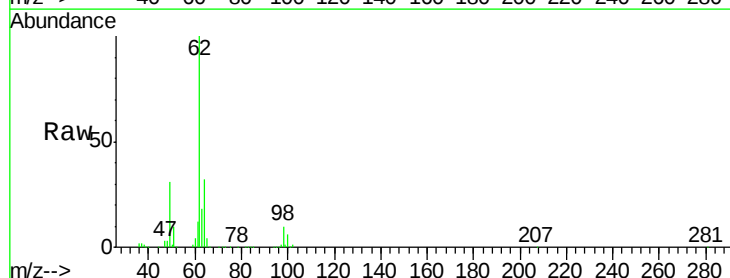
Acq: 14 Dec 2020 13:09

Tgt Ion: 62 Resp: 306802

Ion Ratio Lower Upper

62 100

98 10.3 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

8.25

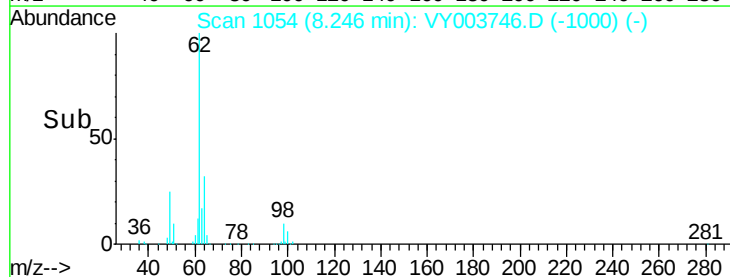
150000

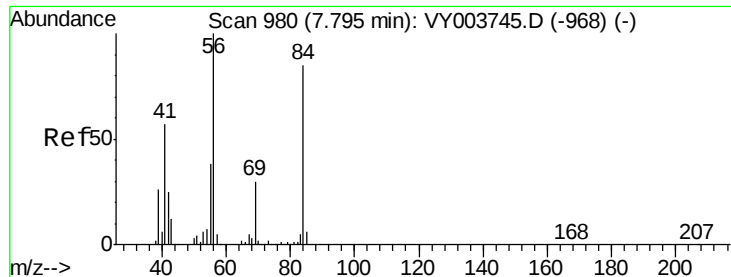
100000

50000

0

Time-->

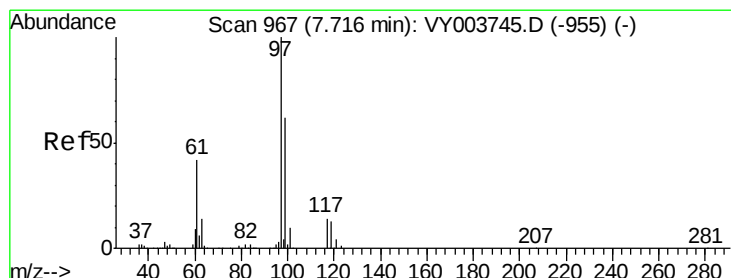
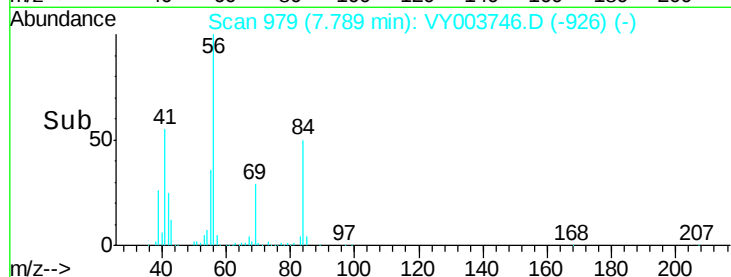
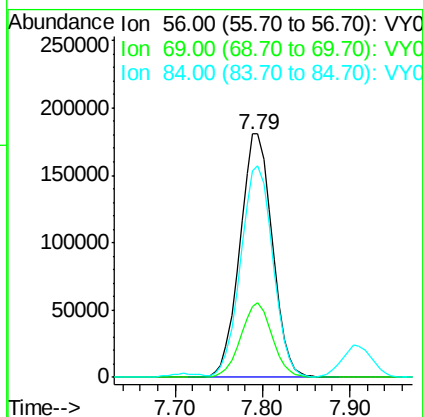
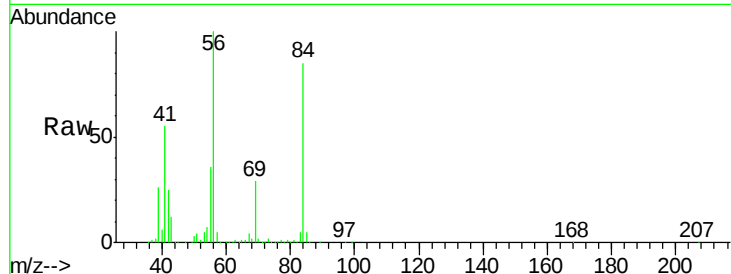




#30
Cyclohexane
Concen: 62.703 ug/L
RT: 7.79 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

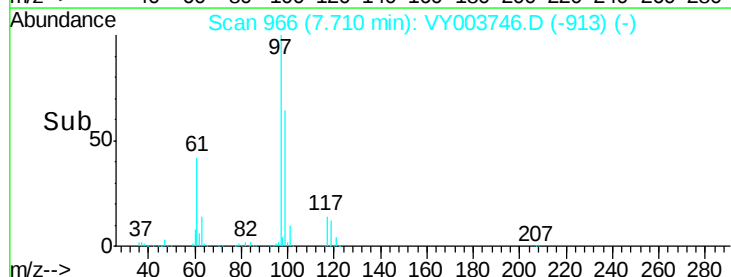
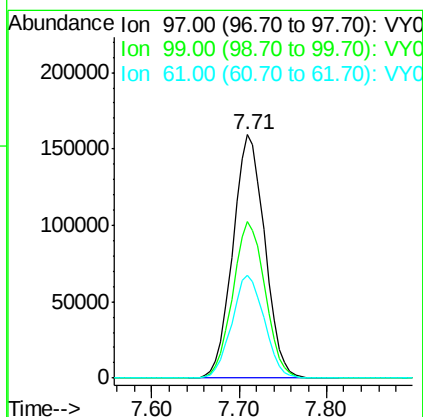
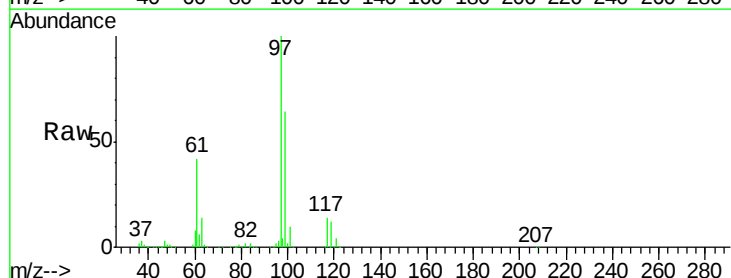
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

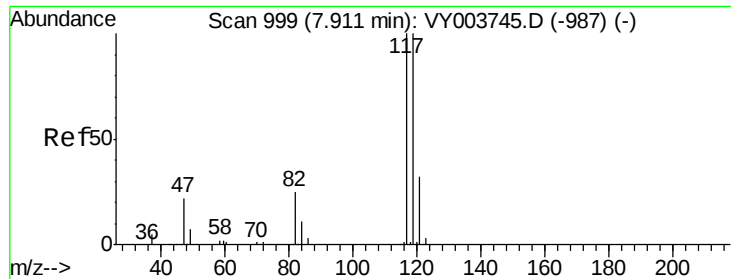
Tgt Ion: 56 Resp: 466255
Ion Ratio Lower Upper
56 100
69 29.5 23.4 35.0
84 86.5 68.6 103.0



#31
1,1,1-Trichloroethane
Concen: 56.077 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.01 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Tgt Ion: 97 Resp: 404352
Ion Ratio Lower Upper
97 100
99 65.0 50.8 76.2
61 42.9 34.1 51.1



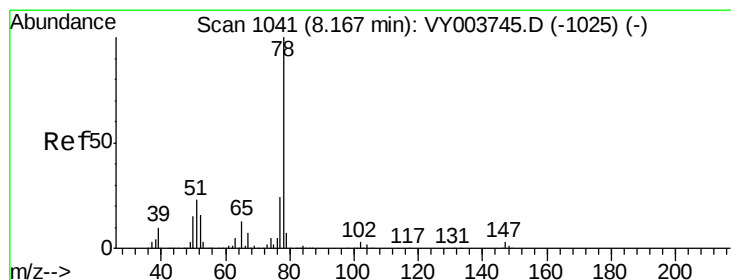
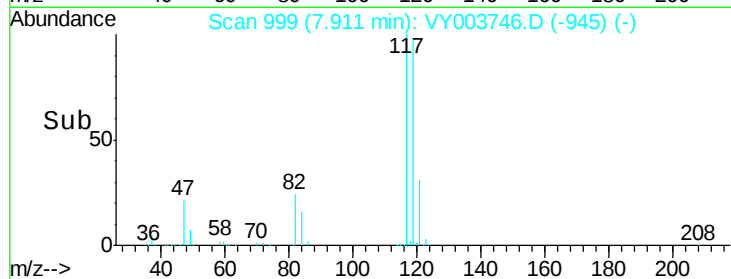
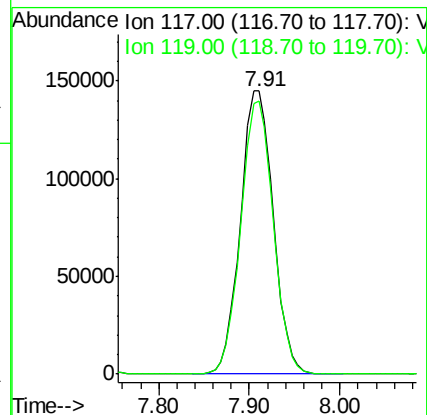
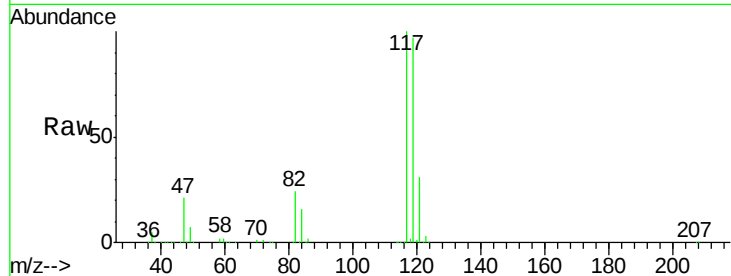


#32

Carbon tetrachloride
Concen: 57.115 ug/L
RT: 7.91 min Scan# 999
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

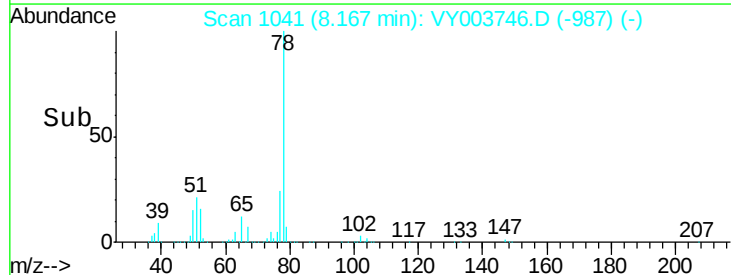
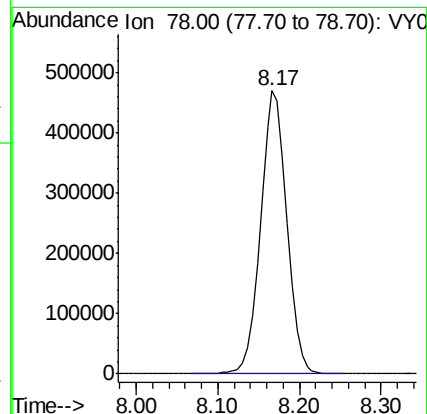
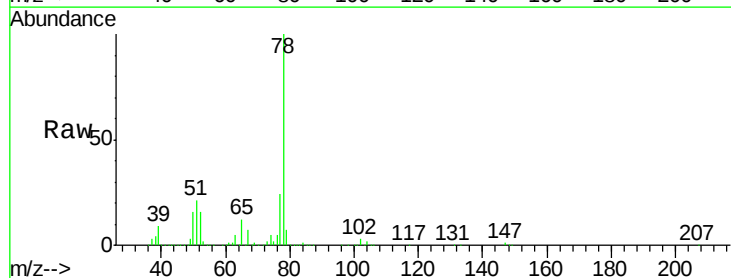
Tgt Ion:117 Resp: 363244
Ion Ratio Lower Upper
117 100
119 95.7 77.1 115.7

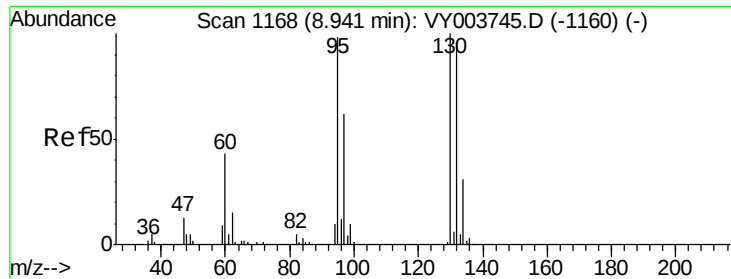


#34

Benzene
Concen: 54.807 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Tgt Ion: 78 Resp: 1052161

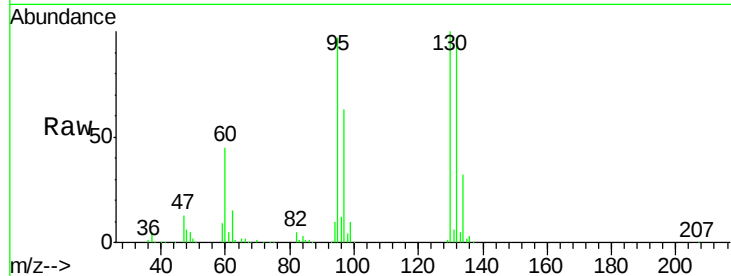




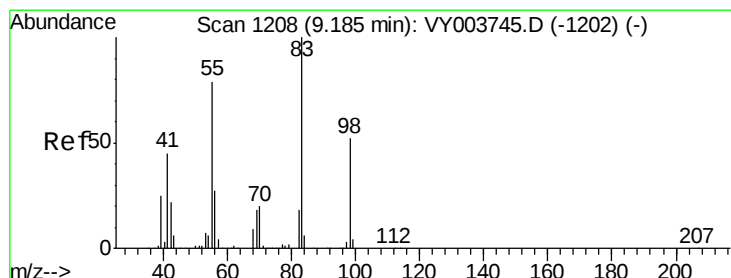
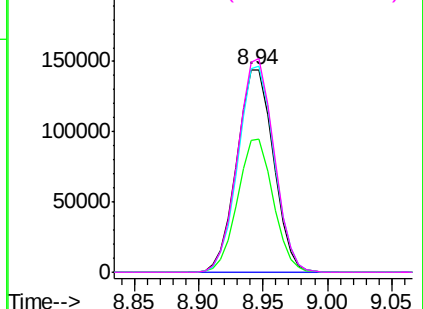
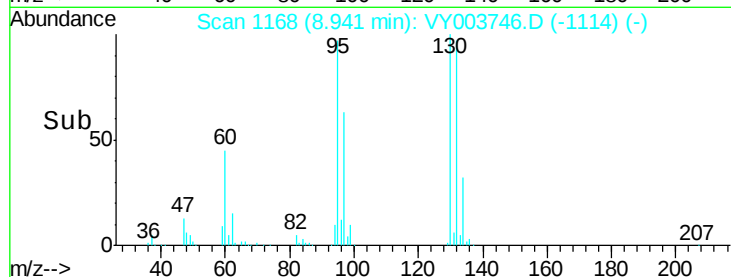
#35
 Trichloroethene
 Concen: 54.153 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VY003746.D
 Acq: 14 Dec 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05081

Tgt Ion: 95 Resp: 284818
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.4 84.4
 132 100.2 70.8 131.4
 130 104.3 74.1 137.7

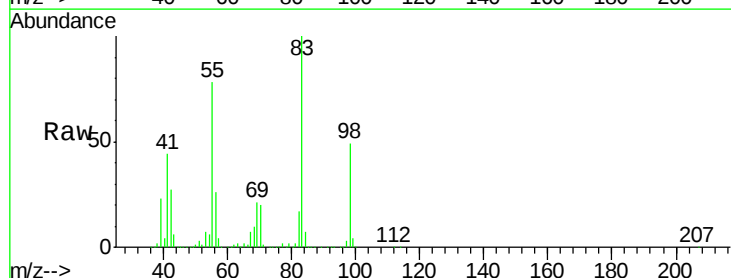


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

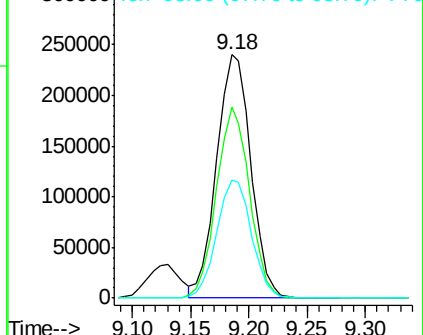
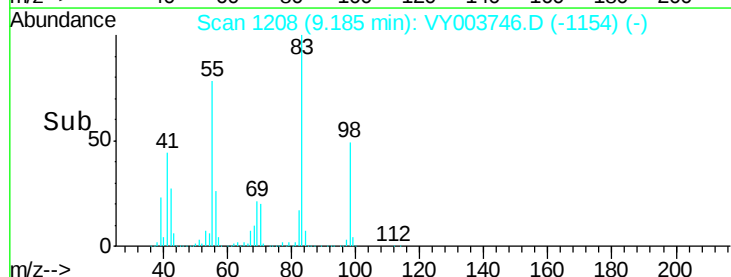


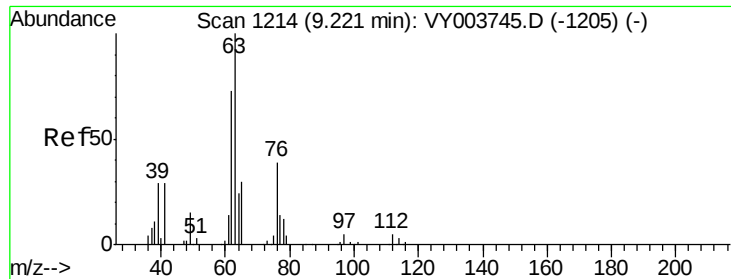
#36
 Methylcyclohexane
 Concen: 59.805 ug/L
 RT: 9.18 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VY003746.D
 Acq: 14 Dec 2020 13:09

Tgt Ion: 83 Resp: 488611
 Ion Ratio Lower Upper
 83 100
 55 75.7 60.3 90.5
 98 49.0 40.4 60.6



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

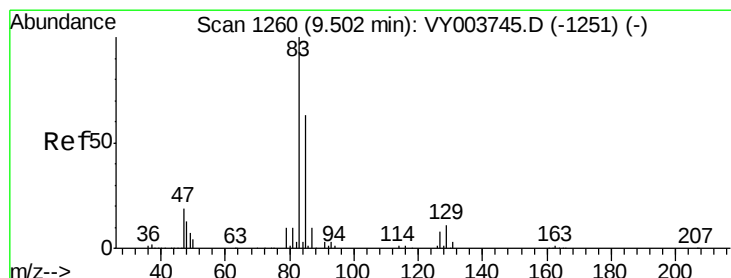
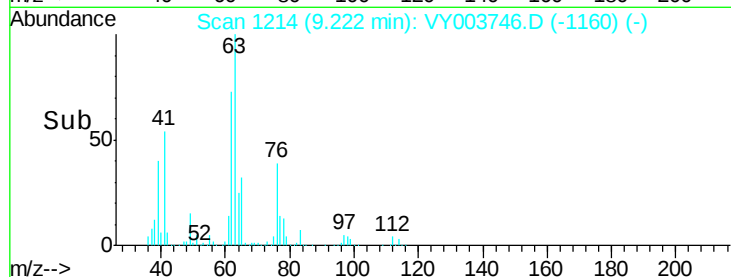
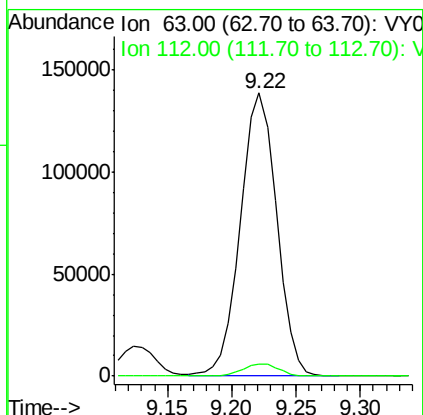
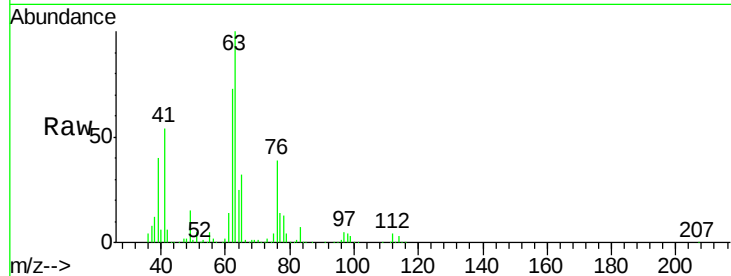




#40
 1,2-Dichloropropane
 Concen: 55.977 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003746.D
 Acq: 14 Dec 2020 13:09

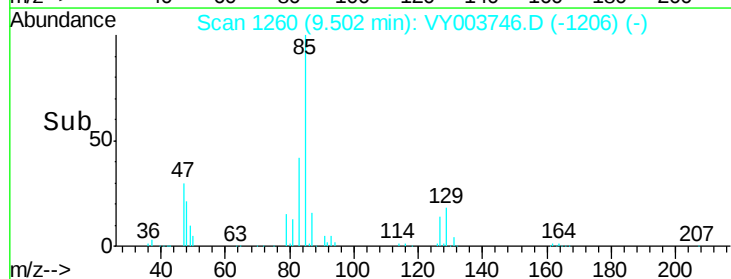
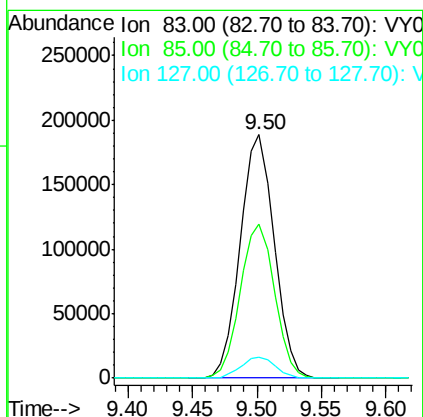
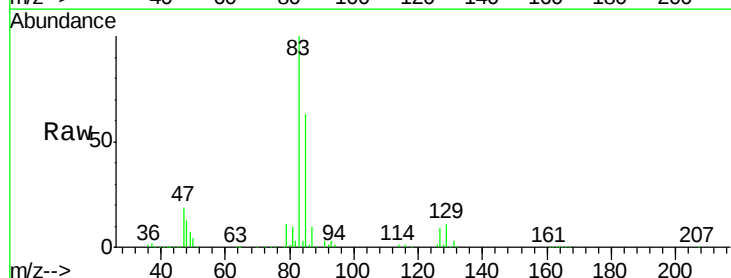
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05081

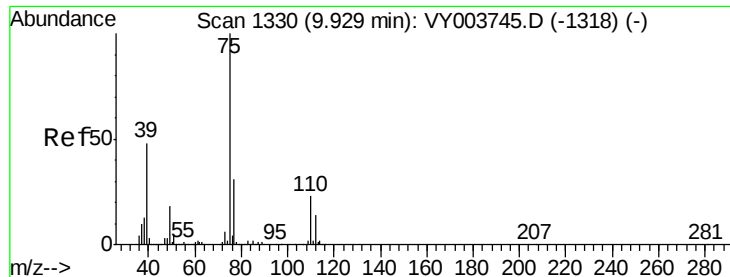
Tgt Ion: 63 Resp: 271253
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#41
 Bromodichloromethane
 Concen: 56.278 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VY003746.D
 Acq: 14 Dec 2020 13:09

Tgt Ion: 83 Resp: 344892
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.2 82.2
 127 8.6 6.6 10.0



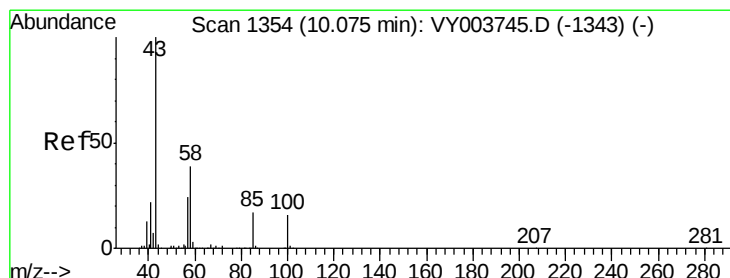
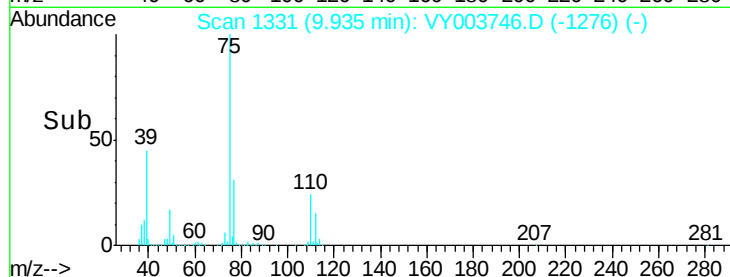
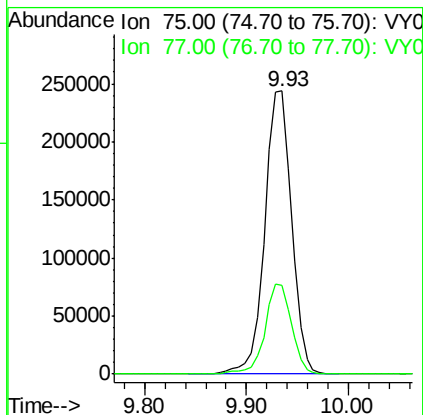
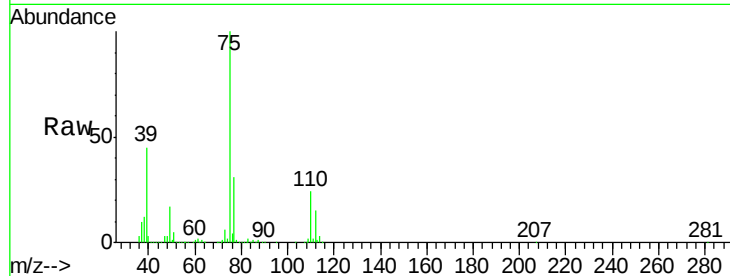


#42

cis-1,3-Dichloropropene
Concen: 58.266 ug/L
RT: 9.93 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Instrument :
MSVOA_Y
ClientSampled :
VSTD05081

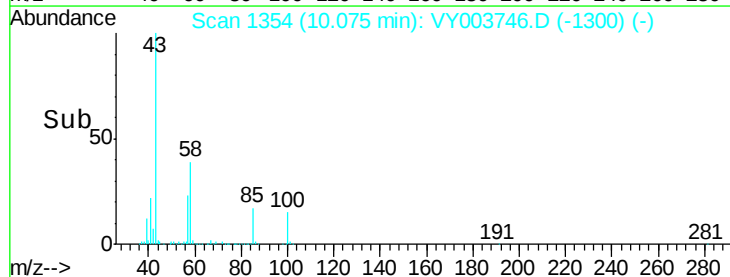
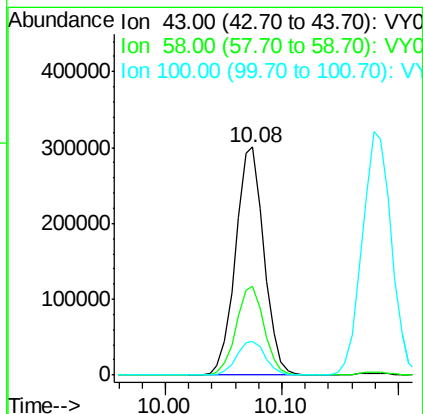
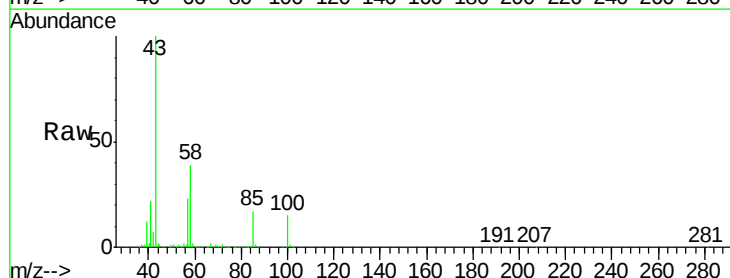
Tgt Ion: 75 Resp: 444619
Ion Ratio Lower Upper
75 100
77 31.4 21.3 39.6

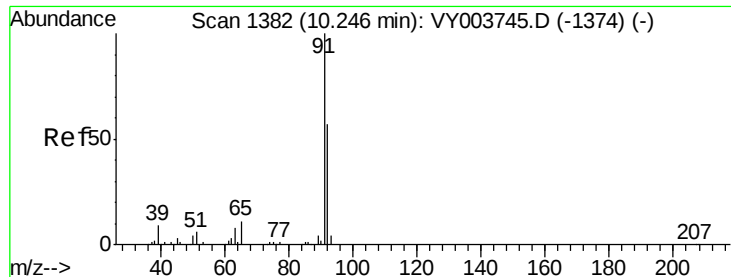


#43

4-Methyl-2-pentanone
Concen: 110.830 ug/L
RT: 10.08 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Tgt Ion: 43 Resp: 509507
Ion Ratio Lower Upper
43 100
58 38.6 30.8 46.2
100 14.9 11.8 17.8





#44

Toluene

Concen: 56.109 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

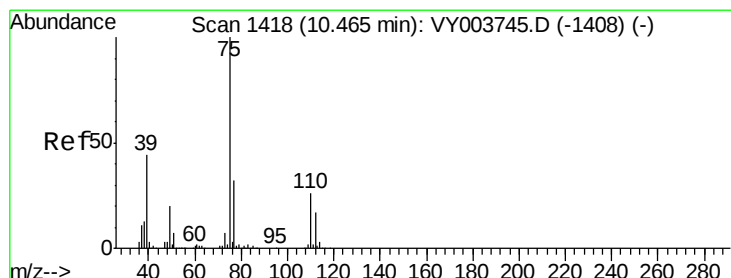
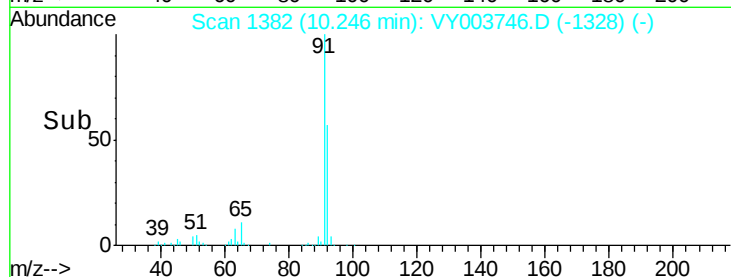
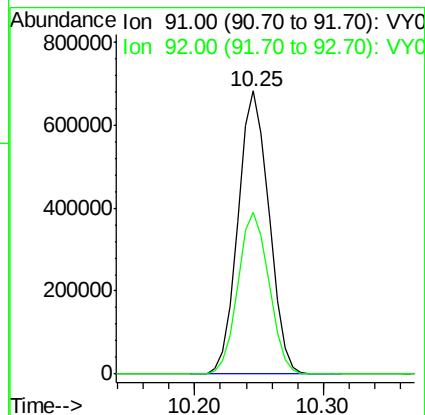
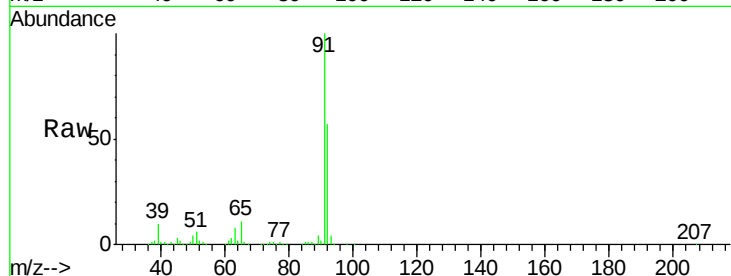
VSTD05081

Tgt Ion: 91 Resp: 1134434

Ion Ratio Lower Upper

91 100

92 57.3 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 57.495 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003746.D

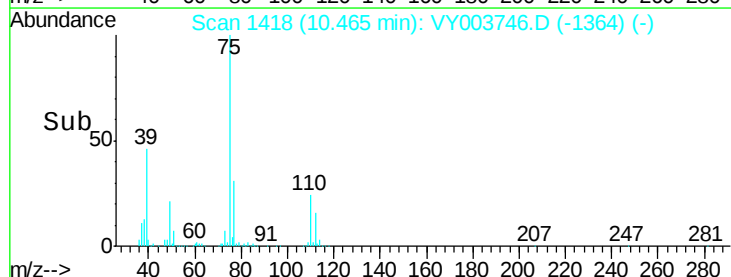
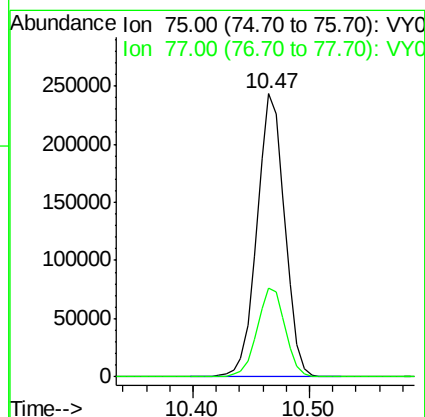
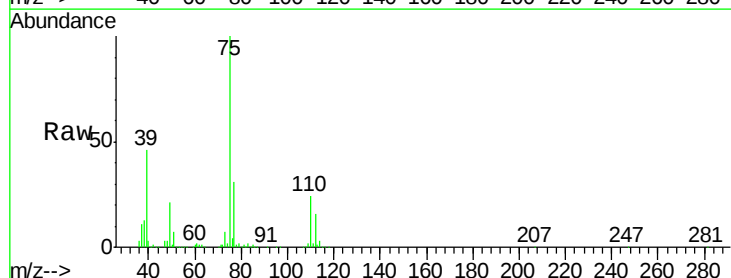
Acq: 14 Dec 2020 13:09

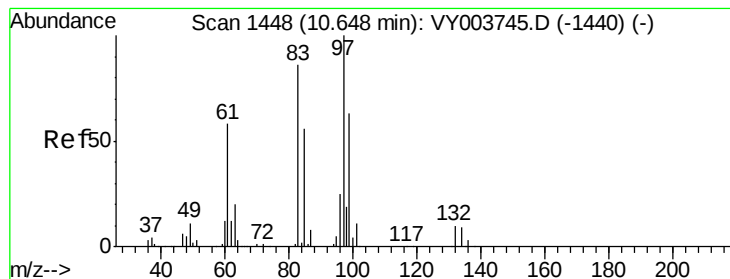
Tgt Ion: 75 Resp: 404550

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 53.089 ug/L

RT: 10.65 min Scan# 1448

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

Tgt Ion: 97 Resp: 219667

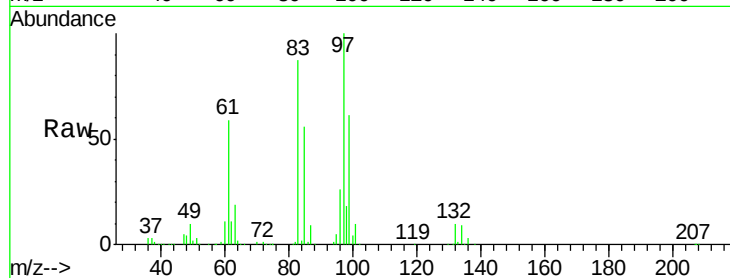
Ion Ratio Lower Upper

97 100

83 86.8 60.0 111.4

85 55.6 38.9 72.2

99 61.1 44.4 82.4

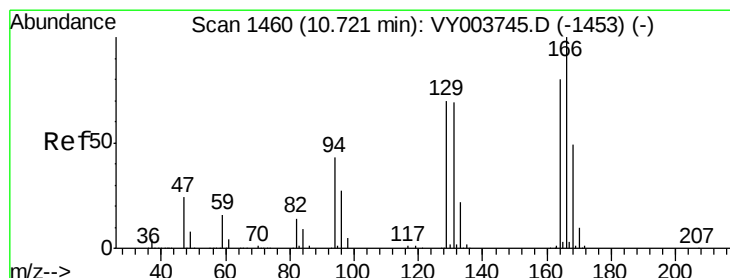
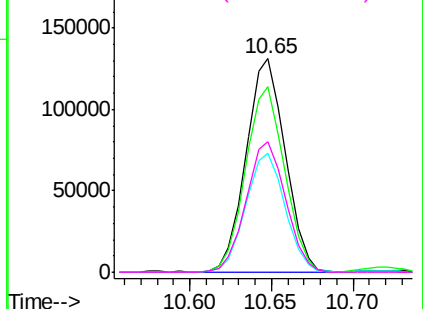
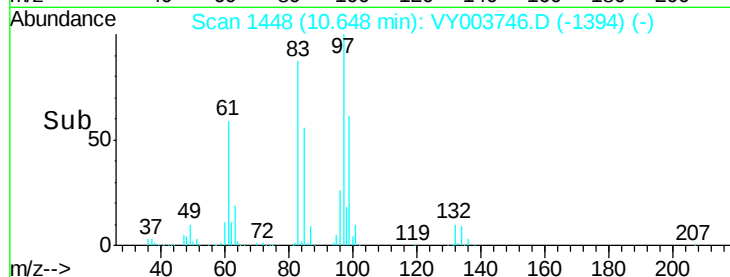


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47

Tetrachloroethene

Concen: 54.552 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Tgt Ion: 164 Resp: 222687

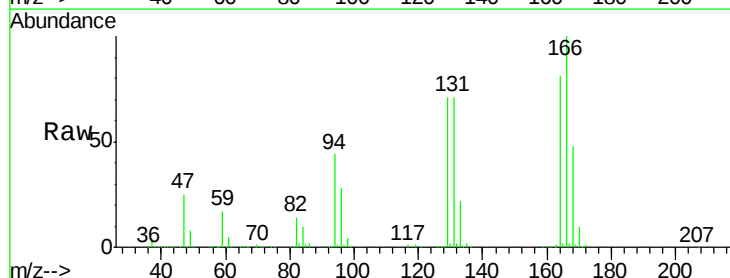
Ion Ratio Lower Upper

164 100

129 88.3 61.3 113.9

131 87.8 60.4 112.2

166 124.1 87.8 163.0

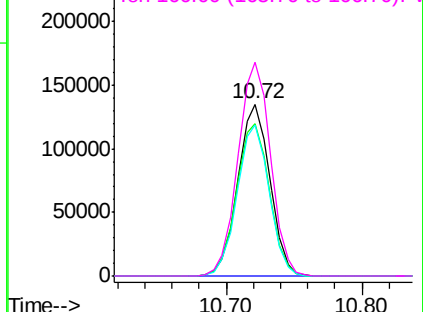
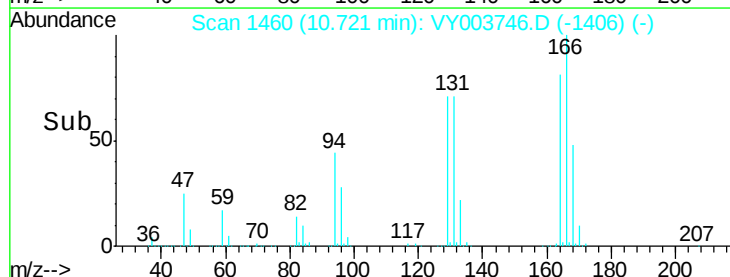


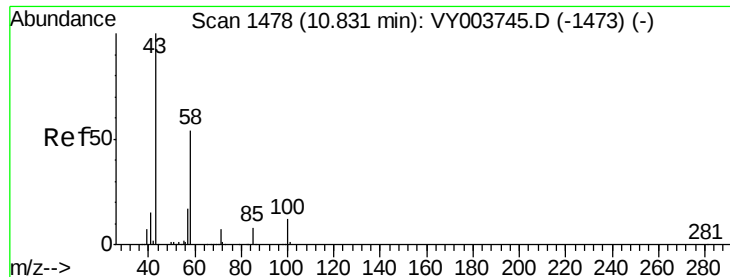
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

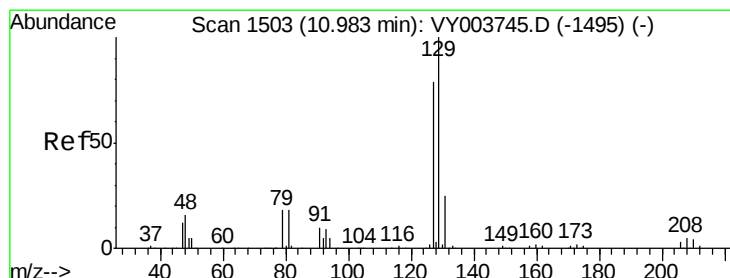
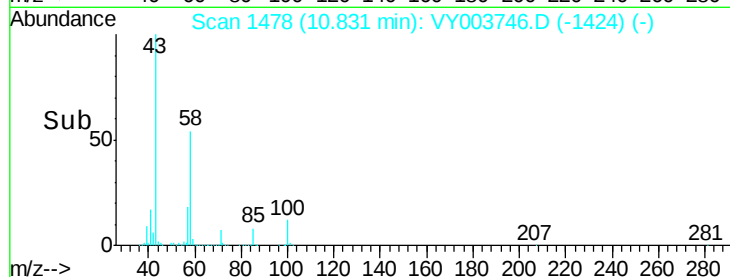
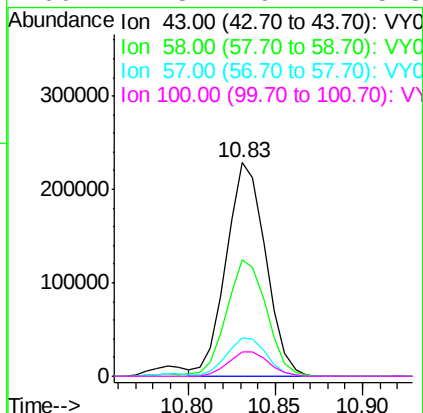
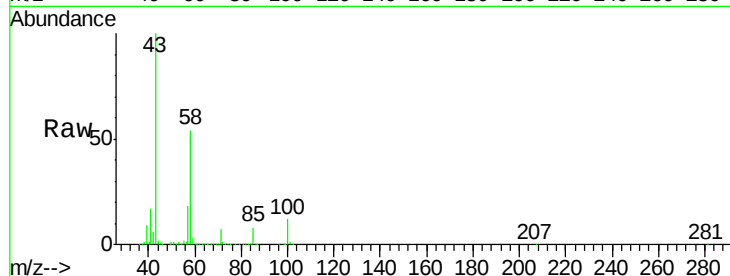




#49
2-Hexanone
Concen: 110.755 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

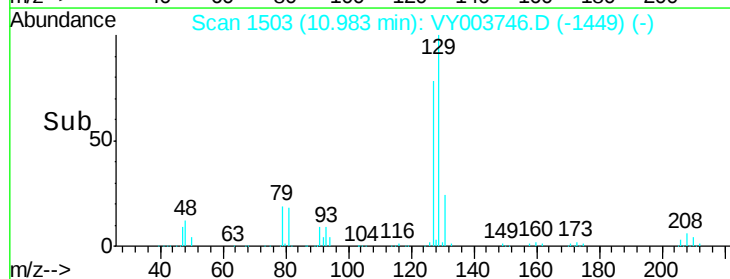
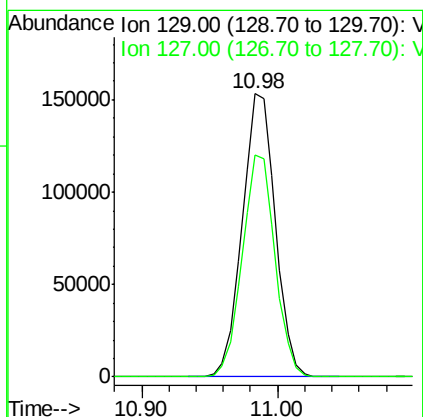
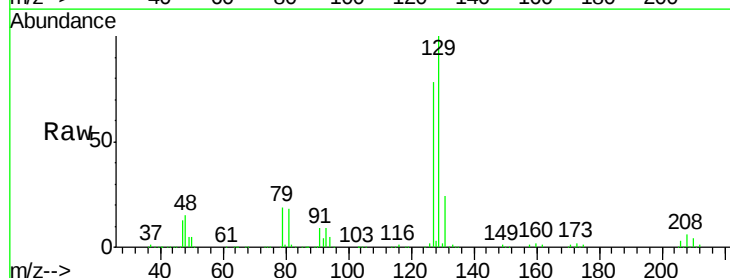
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

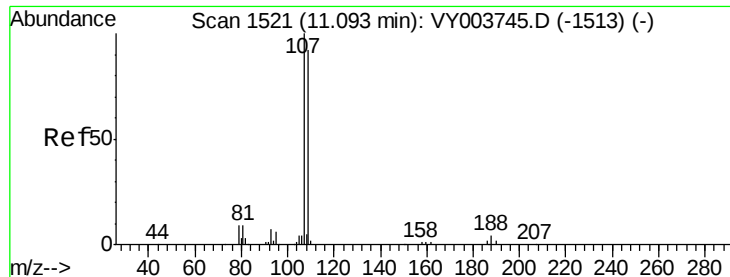
Tgt Ion:	43	Resp:	358481
Ion	Ratio	Lower	Upper
43	100		
58	55.0	43.0	64.4
57	18.2	14.1	21.1
100	11.8	9.2	13.8



#50
Dibromochloromethane
Concen: 53.871 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Tgt Ion:	129	Resp:	260511
Ion	Ratio	Lower	Upper
129	100		
127	78.4	55.2	102.4

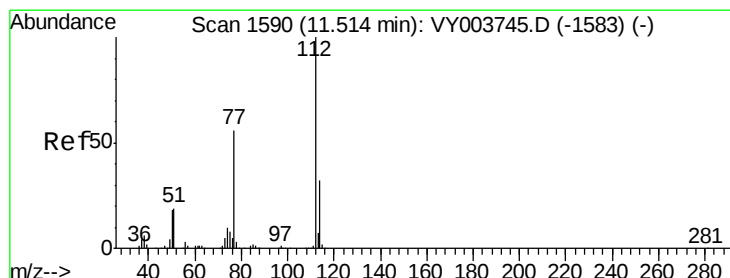
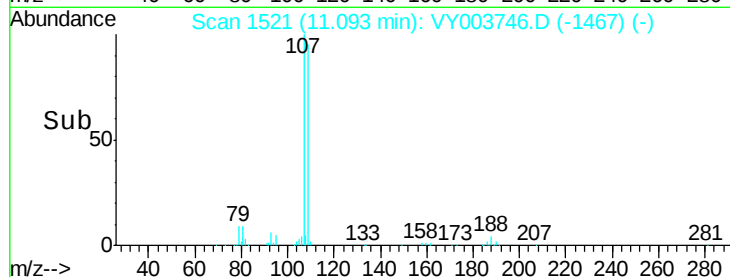
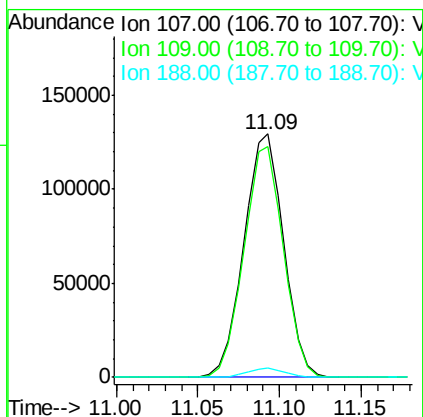
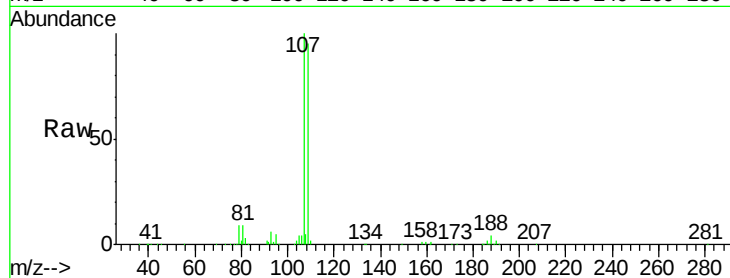




#51
1,2-Dibromoethane
Concen: 54.406 ug/L
RT: 11.09 min Scan# 1521
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

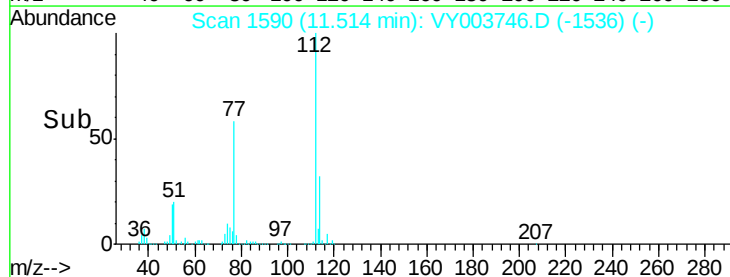
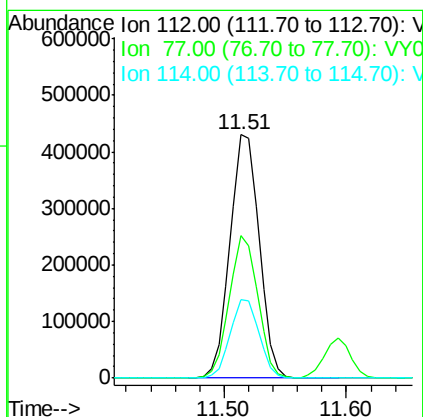
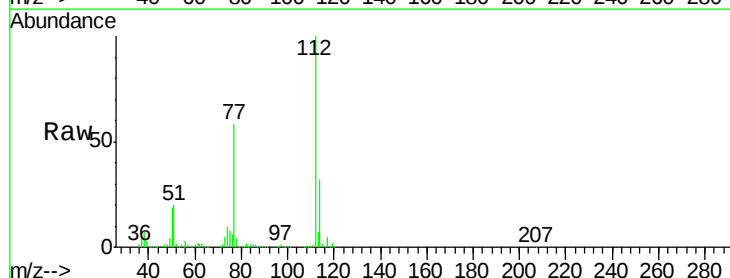
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

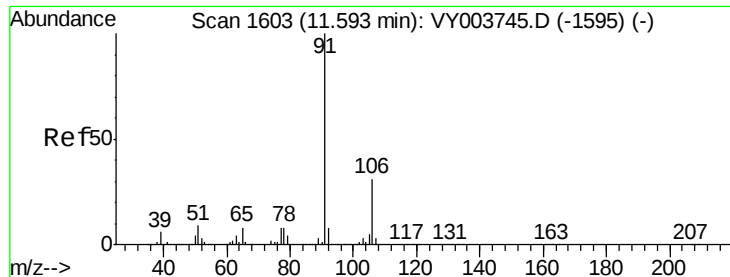
Tgt Ion:107 Resp: 218838
Ion Ratio Lower Upper
107 100
109 94.7 64.6 120.0
188 3.9 2.9 4.3



#52
Chlorobenzene
Concen: 53.596 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Tgt Ion:112 Resp: 709749
Ion Ratio Lower Upper
112 100
77 58.4 45.1 67.7
114 32.0 22.6 42.0





#53

Ethylbenzene

Concen: 56.187 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

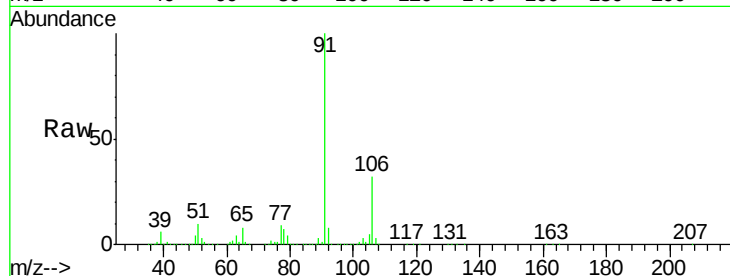
VSTD05081

Tgt Ion: 91 Resp: 1243329

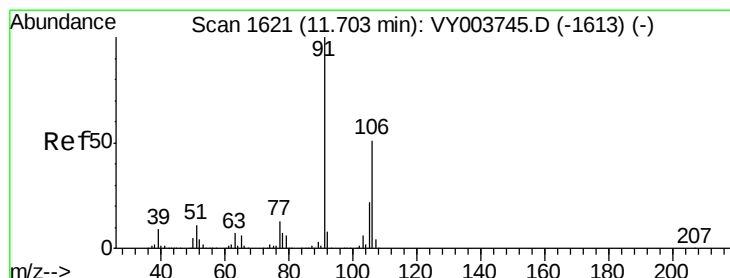
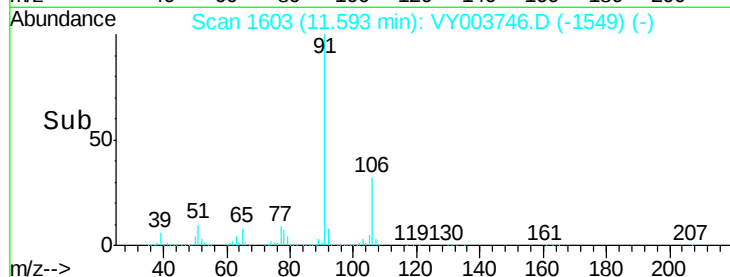
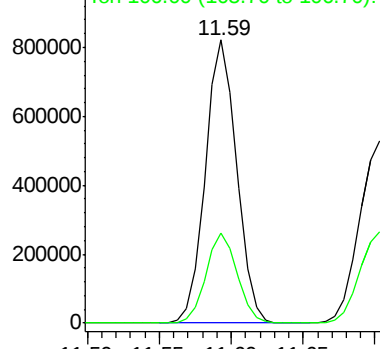
Ion Ratio Lower Upper

91 100

106 31.6 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VY003746.D (-1549) (-)



#54

m,p-Xylene

Concen: 56.195 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003746.D

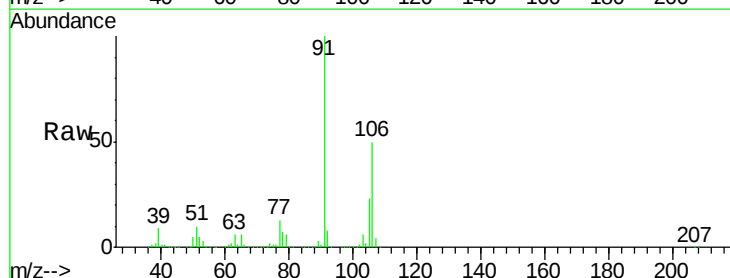
Acq: 14 Dec 2020 13:09

Tgt Ion: 106 Resp: 477754

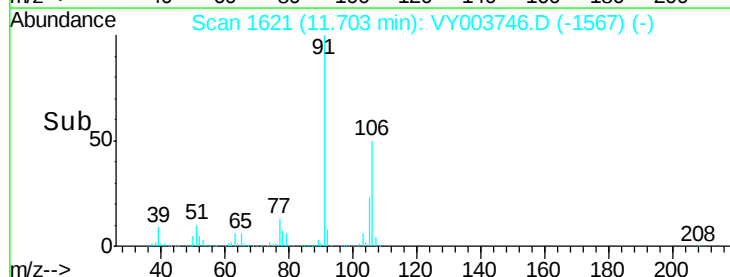
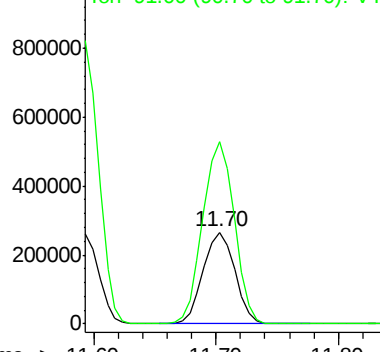
Ion Ratio Lower Upper

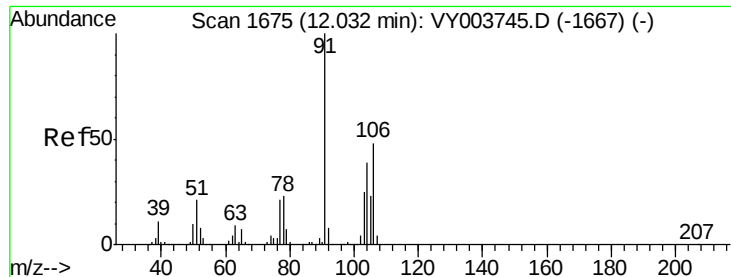
106 100

91 198.5 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): VY003746.D (-1567) (-)





#55

o-xylene

Concen: 55.915 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

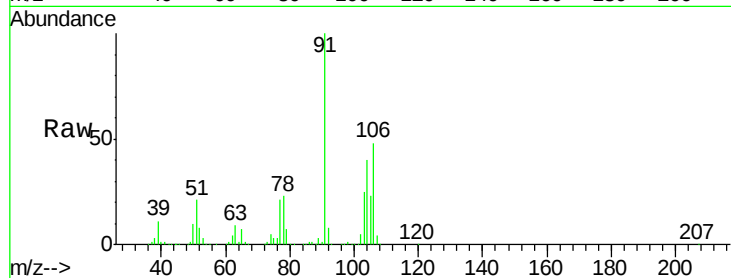
VSTD05081

Tgt Ion:106 Resp: 456166

Ion Ratio Lower Upper

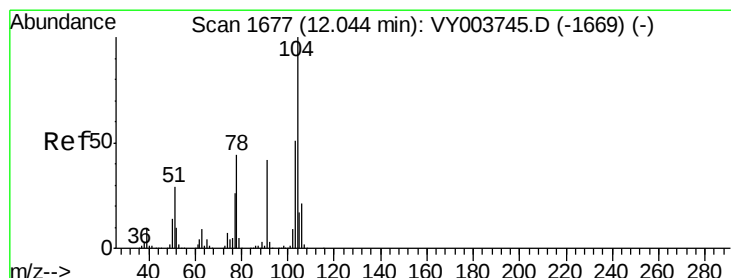
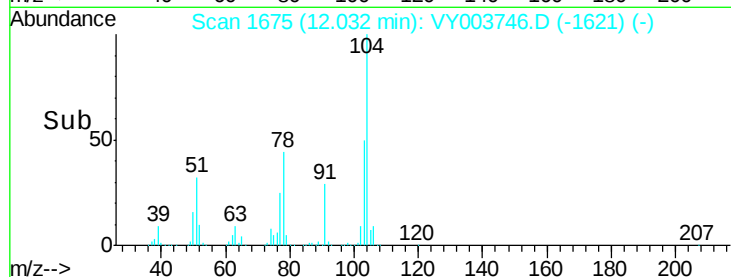
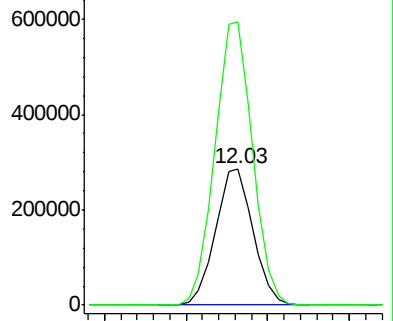
106 100

91 207.6 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 57.026 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003746.D

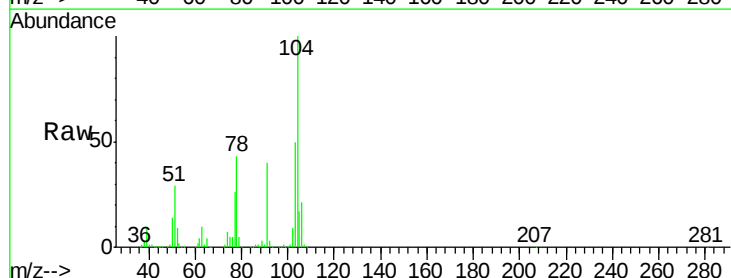
Acq: 14 Dec 2020 13:09

Tgt Ion:104 Resp: 794393

Ion Ratio Lower Upper

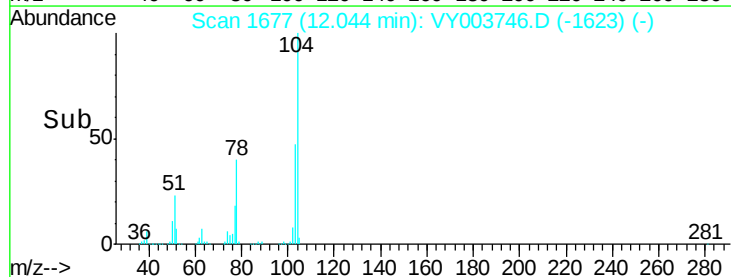
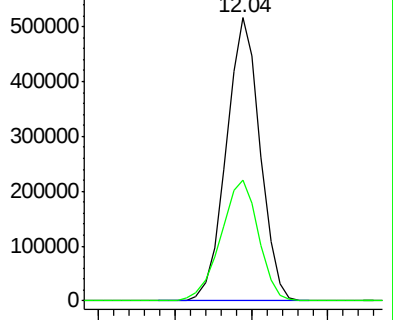
104 100

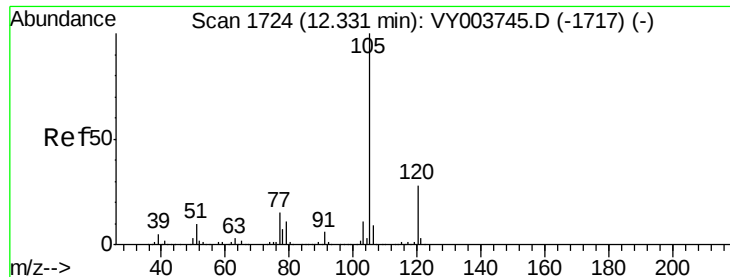
78 42.7 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 57.147 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

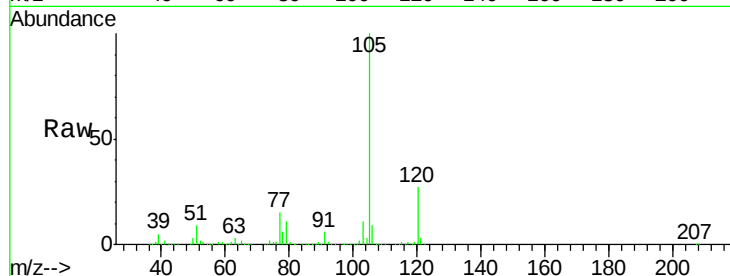
Tgt Ion: 105 Resp: 1220424

Ion Ratio Lower Upper

105 100

120 27.1 22.1 33.1

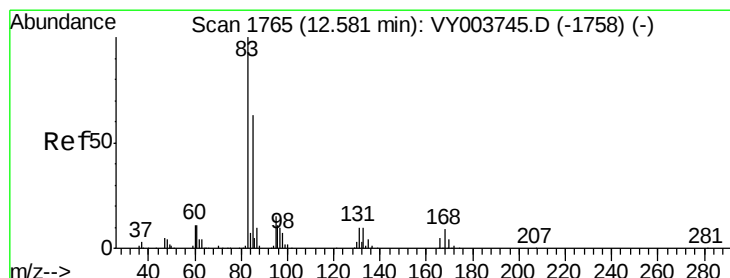
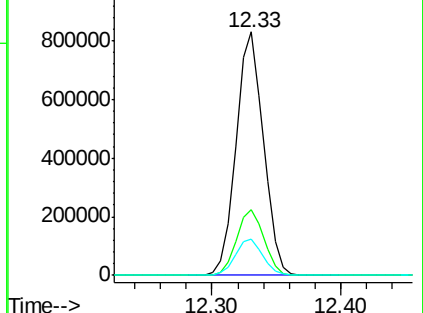
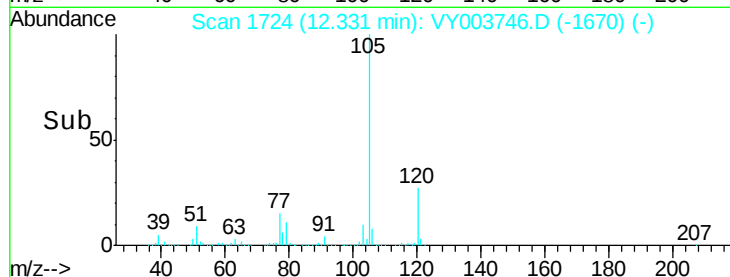
77 15.2 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 55.576 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

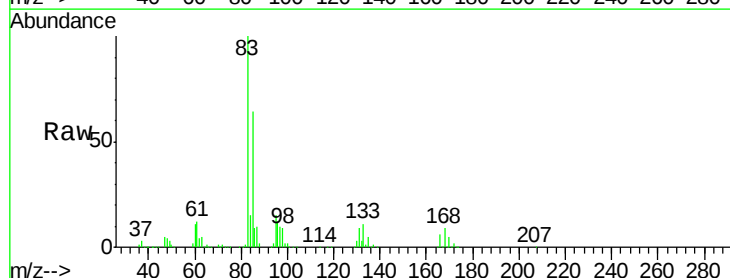
Tgt Ion: 83 Resp: 251523

Ion Ratio Lower Upper

83 100

85 64.2 43.9 81.5

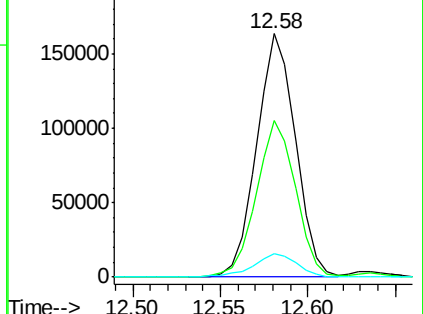
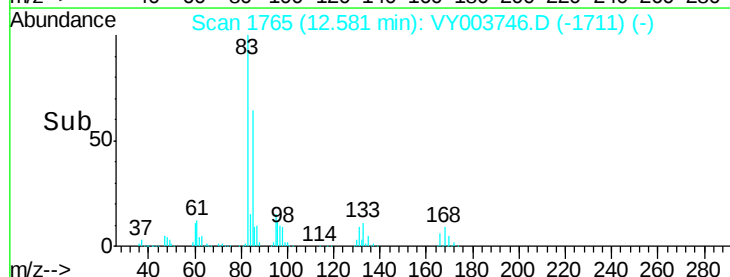
131 9.4 7.8 11.8

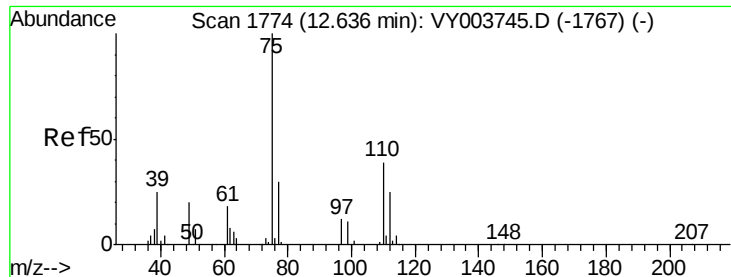


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.525 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

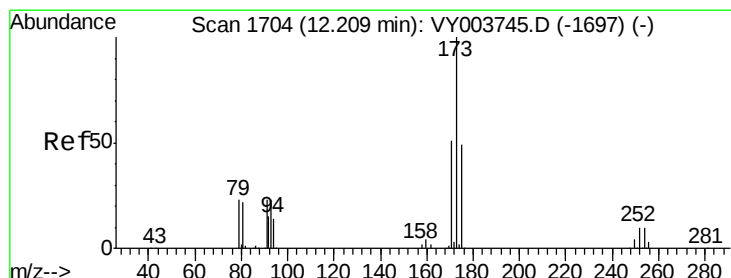
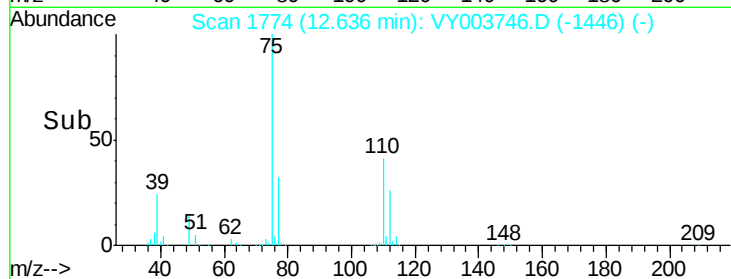
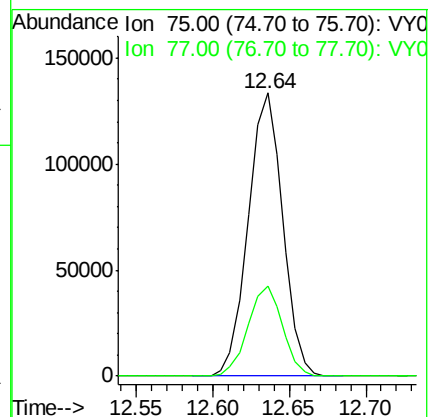
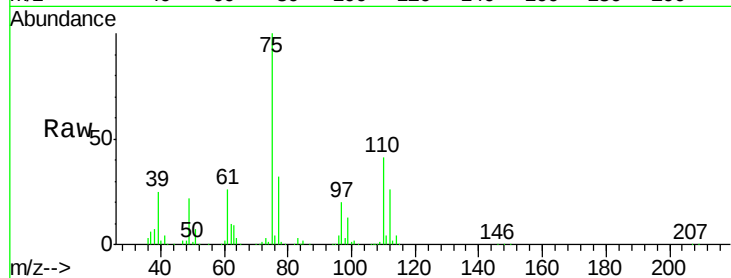
VSTD05081

Tgt Ion: 75 Resp: 209236

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



#62

Bromoform

Concen: 54.850 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

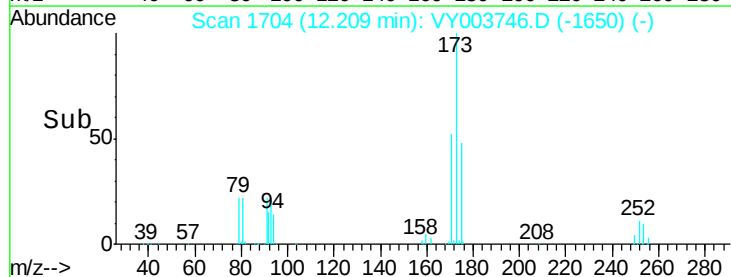
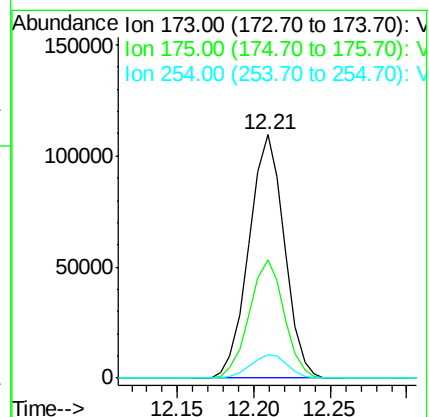
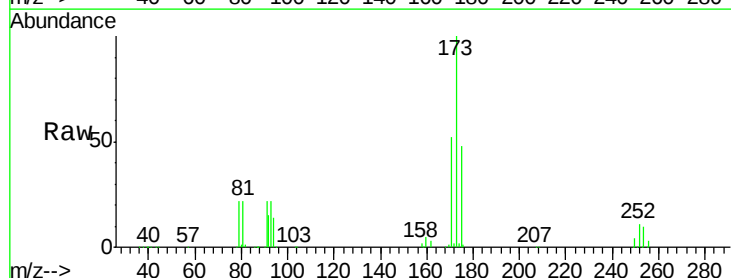
Tgt Ion: 173 Resp: 176463

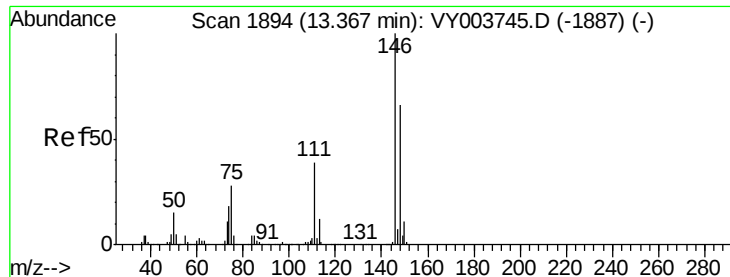
Ion Ratio Lower Upper

173 100

175 47.9 38.8 58.2

254 10.0 7.8 11.6





#63

1,3-Dichlorobenzene

Concen: 53.948 ug/L

RT: 13.37 min Scan# 1894

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

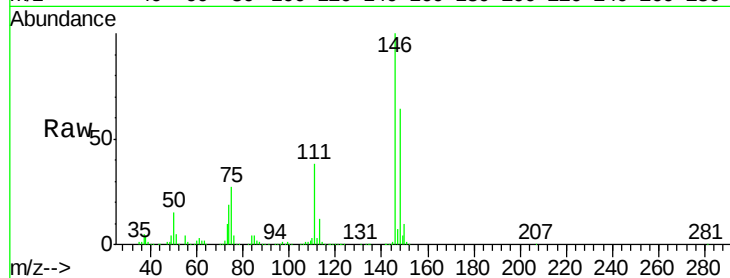
Tgt Ion:146 Resp: 545778

Ion Ratio Lower Upper

146 100

111 38.4 26.9 50.1

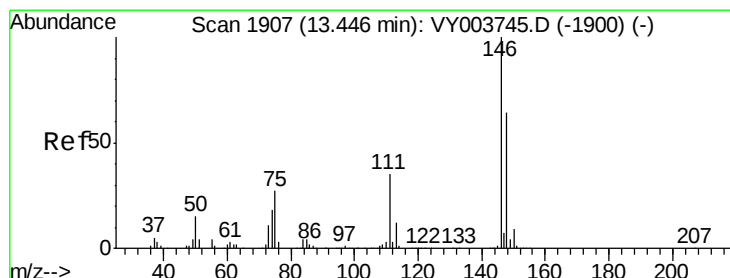
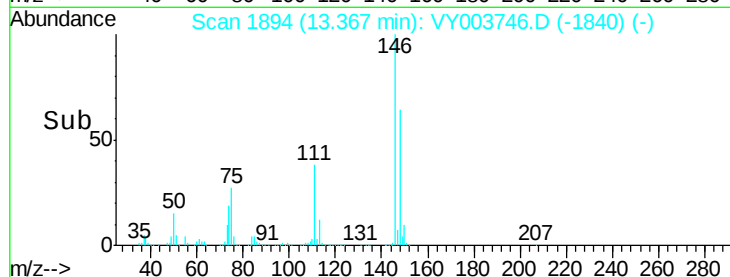
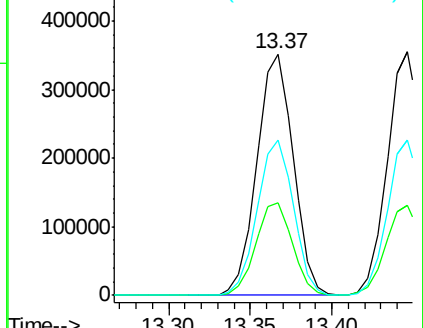
148 64.3 46.0 85.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 53.204 ug/L

RT: 13.45 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

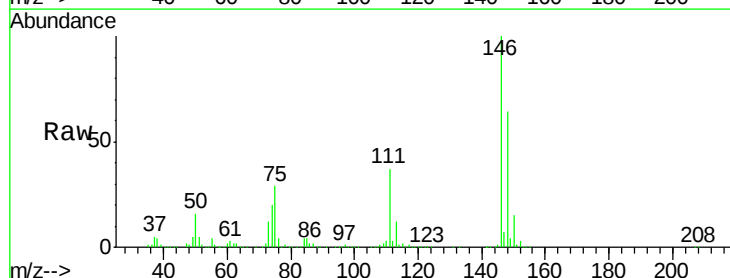
Tgt Ion:146 Resp: 545107

Ion Ratio Lower Upper

146 100

111 37.0 24.8 46.0

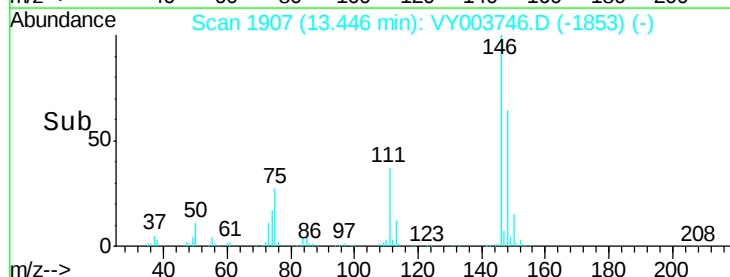
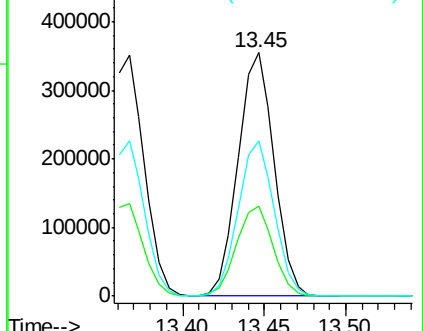
148 64.0 44.4 82.5

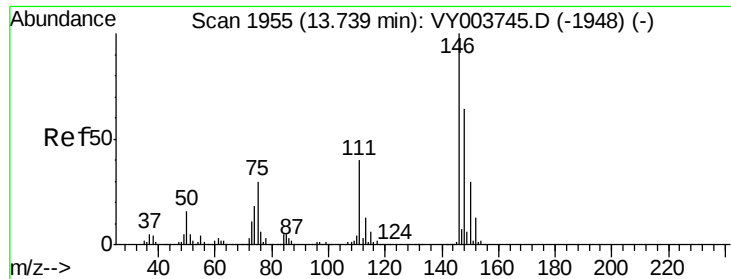


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 54.339 ug/L

RT: 13.74 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05081

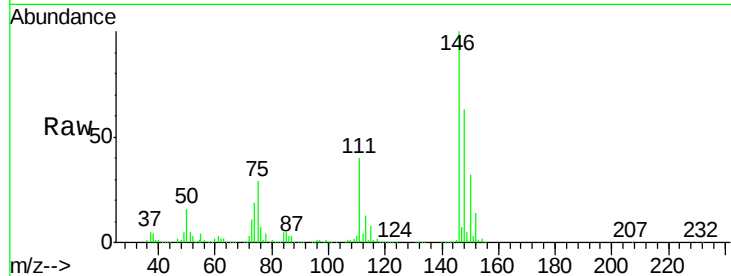
Tgt Ion:146 Resp: 503579

Ion Ratio Lower Upper

146 100

111 39.5 31.8 47.8

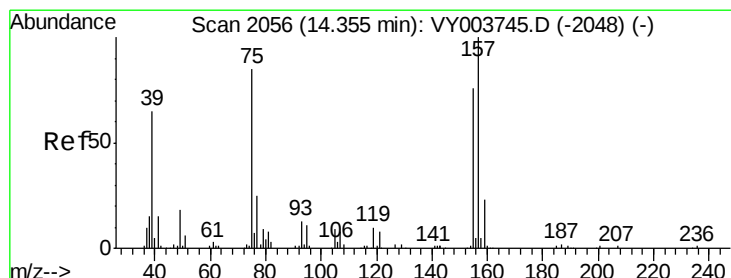
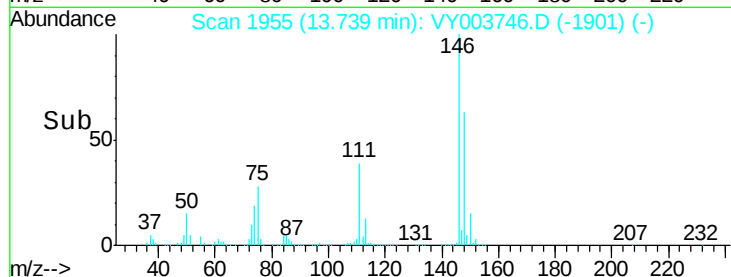
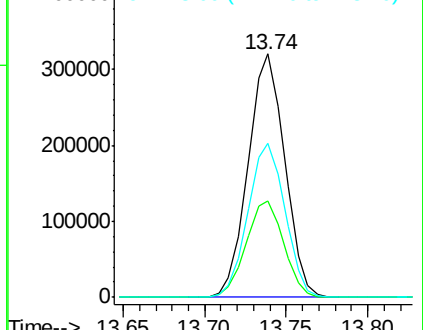
148 63.3 51.3 76.9



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: 53.285 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VY003746.D

Acq: 14 Dec 2020 13:09

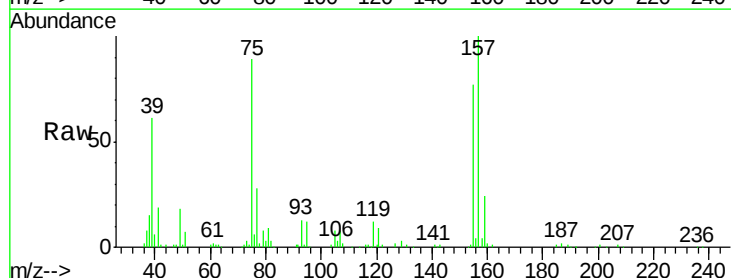
Tgt Ion: 75 Resp: 46217

Ion Ratio Lower Upper

75 100

157 112.8 93.8 140.8

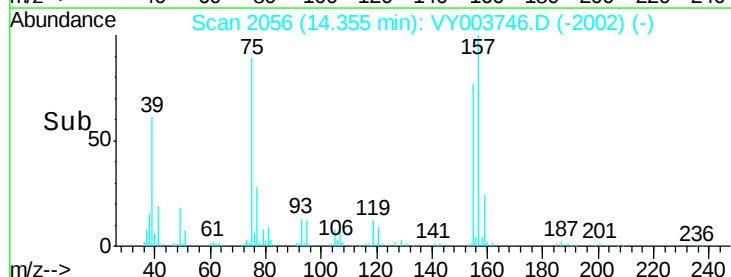
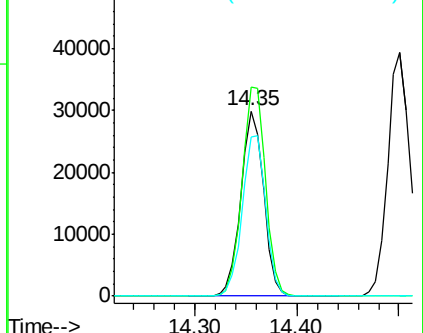
155 86.3 70.9 106.3

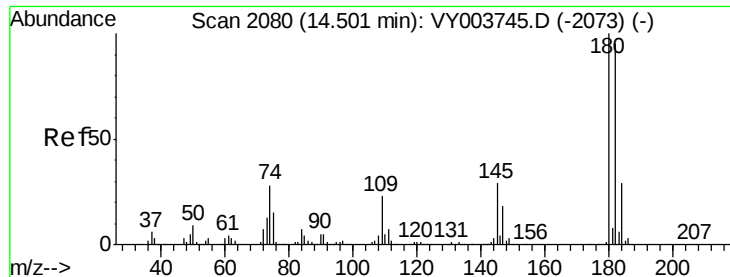


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

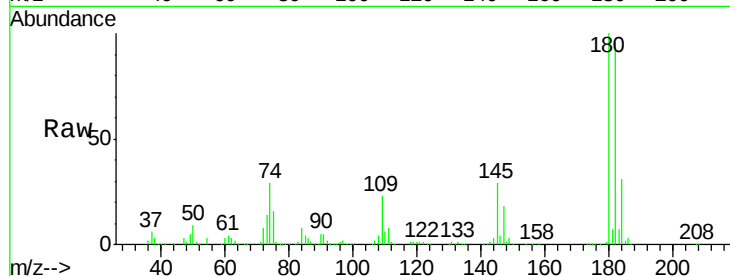




#67
 1,3,5-Trichlorobenzene
 Concen: 53.107 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003746.D
 Acq: 14 Dec 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05081

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.7	113.5
184	30.1	24.2	36.4
145	28.7	22.9	34.3

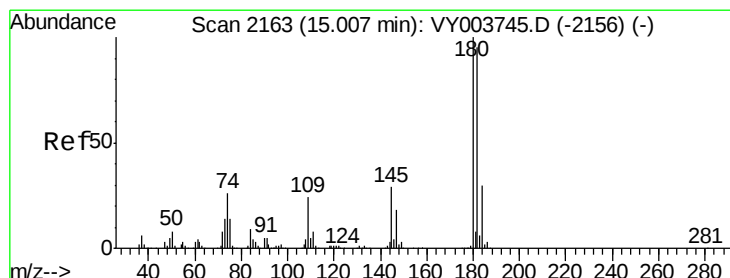
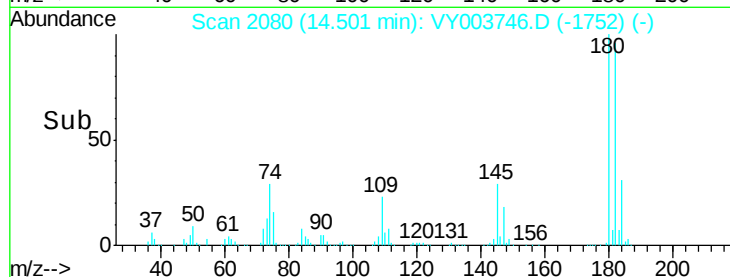
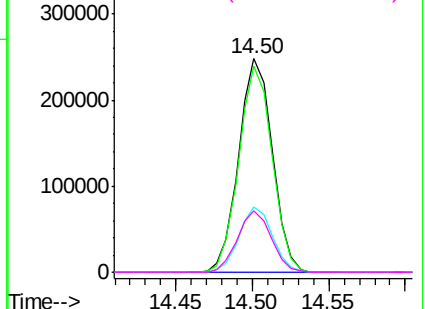


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

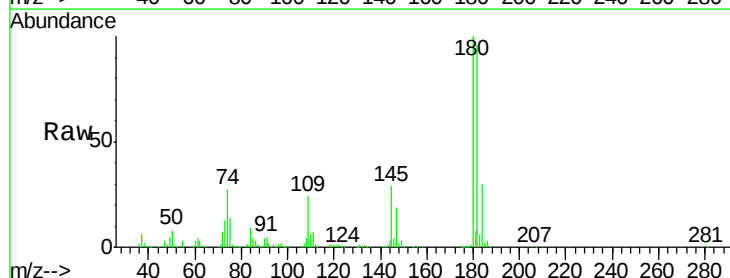
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.056 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003746.D
 Acq: 14 Dec 2020 13:09

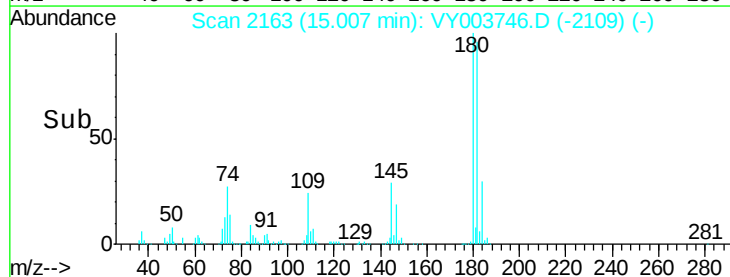
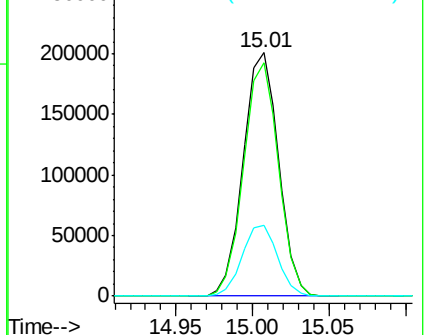
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.8	115.2
145	29.2	23.7	35.5

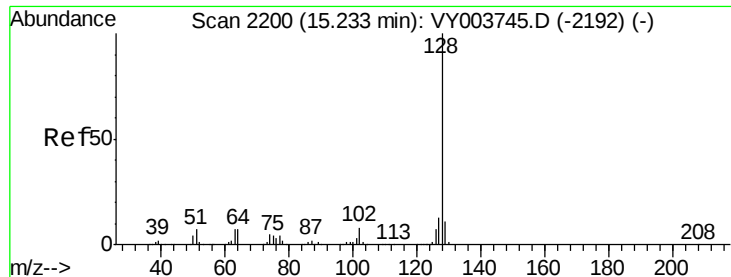


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

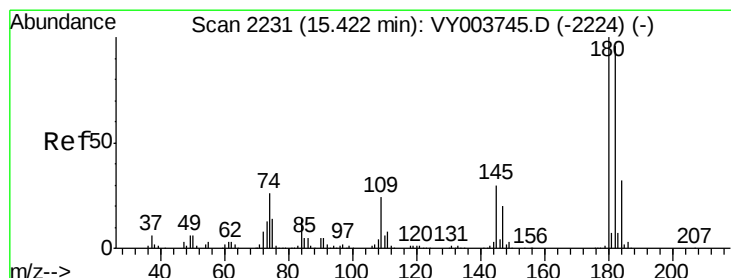
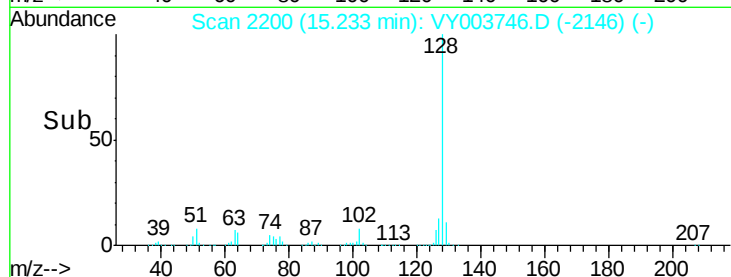
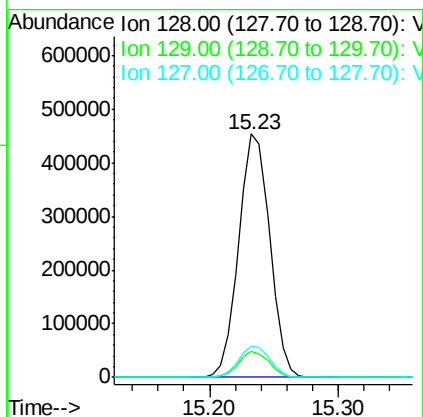
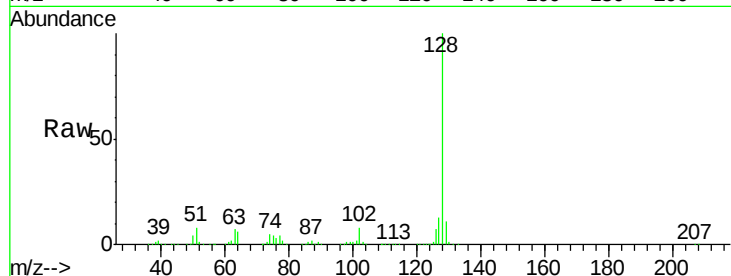




#69
Naphthalene
Concen: 58.184 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05081

Tgt Ion:128 Resp: 757040
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 12.8 10.2 15.4



#70
1,2,3-Trichlorobenzene
Concen: 52.349 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003746.D
Acq: 14 Dec 2020 13:09

Tgt Ion:180 Resp: 289498
Ion Ratio Lower Upper
180 100
182 95.4 77.0 115.6
145 30.8 25.0 37.6

