

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111920\
 Data File : VY003544.D
 Acq On : 19 Nov 2020 12:30
 Operator : SY/MD
 Sample : VSTD05079
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05079

Quant Time: Nov 19 12:43:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 12:23:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	245646	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	222317	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	113805	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	109756	52.58	ug/L	0.00
7) Chloroethane-d5	2.77	69	104126	43.03	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	285911	44.43	ug/L	0.00
20) 2-Butanone-d5	6.91	46	129110	99.80	ug/L	0.00
24) Chloroform-d	7.49	84	277016	44.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	152430	43.72	ug/L	0.00
29) Benzene-d6	8.11	84	571777	44.40	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	171250	44.73	ug/L	0.00
37) Toluene-d8	10.18	98	525936	45.89	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	86563	46.26	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	98688	103.94	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	156206	48.92	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	164037	45.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	66860	48.914 ug/L	97
3) Chloromethane	2.12	50	129008	46.436 ug/L	100
5) Vinyl chloride	2.26	62	168086	62.854 ug/L	98
6) Bromomethane	2.66	94	125461	51.133 ug/L	98
8) Chloroethane	2.80	64	107282	50.221 ug/L	98
9) Trichlorofluoromethane	3.13	101	157326	51.483 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	156615	49.761 ug/L	99
12) 1,1-Dichloroethene	3.88	96	168295	49.760 ug/L	99
13) Acetone	3.97	43	88446	89.690 ug/L	96
14) Carbon disulfide	4.20	76	547838	50.228 ug/L	100
15) Methyl Acetate	4.49	43	118091	49.337 ug/L	99
16) Methylene chloride	4.72	84	173653	36.783 ug/L	98
17) Methyl tert-butyl Ether	5.23	73	262510	49.127 ug/L	# 97
18) trans-1,2-Dichloroethene	5.22	96	175390	48.518 ug/L	97
19) 1,1-Dichloroethane	6.03	63	296008	47.893 ug/L	98
21) 2-Butanone	7.00	43	153884	95.921 ug/L	99
22) cis-1,2-Dichloroethene	6.99	96	180386	47.708 ug/L	99
23) Bromochloromethane	7.35	128	86186	47.355 ug/L	97
25) Chloroform	7.51	83	289346	47.784 ug/L	100
27) 1,2-Dichloroethane	8.24	62	196988	48.106 ug/L	99
30) Cyclohexane	7.79	56	278264	52.670 ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	239082	51.329 ug/L	98
32) Carbon tetrachloride	7.91	117	225925	51.264 ug/L	100
34) Benzene	8.16	78	679680	48.054 ug/L	100
35) Trichloroethene	8.94	95	171716	48.457 ug/L	99
36) Methylcyclohexane	9.19	83	277099	50.512 ug/L	99
40) 1,2-Dichloropropane	9.22	63	168395	48.043 ug/L	100
41) Bromodichloromethane	9.50	83	216140	48.134 ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	273156	49.568 ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	297404	99.872 ug/L	99

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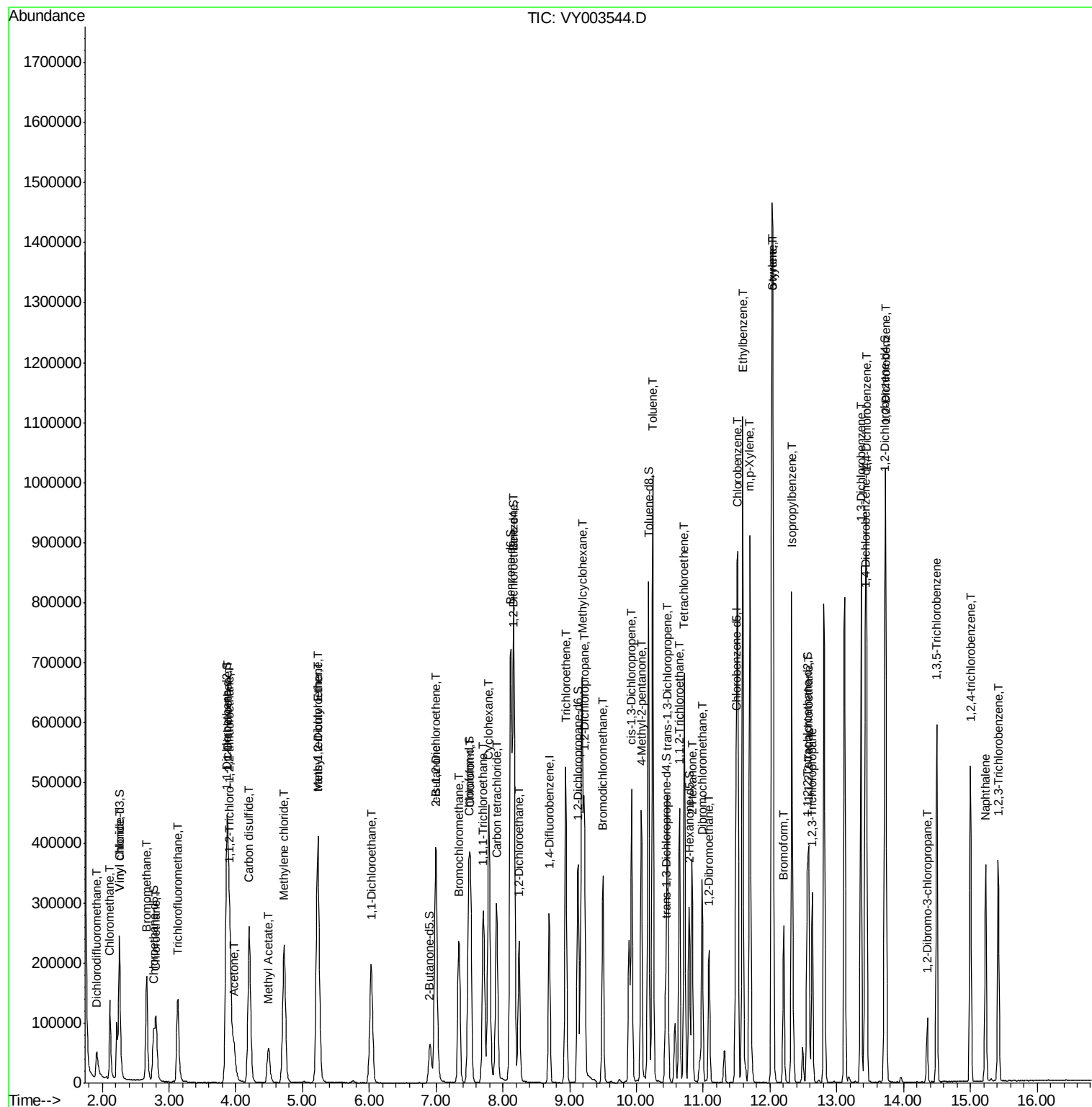
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.24	91	727582	49.564	ug/L	97
45) trans-1,3-Dichloropropene	10.47	75	251546	50.044	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	135660	48.206	ug/L	99
47) Tetrachloroethene	10.72	164	150517	48.173	ug/L	98
49) 2-Hexanone	10.83	43	228160	103.428	ug/L	99
50) Dibromochloromethane	10.99	129	165221	49.871	ug/L	95
51) 1,2-Dibromoethane	11.09	107	136135	48.722	ug/L	98
52) Chlorobenzene	11.52	112	458656	48.696	ug/L	100
53) Ethylbenzene	11.59	91	761671	51.071	ug/L	99
54) m,p-Xylene	11.70	106	296933	51.080	ug/L	100
55) o-xylene	12.03	106	249473	51.031	ug/L	93
56) Styrene	12.04	104	492720	51.907	ug/L	98
57) Isopropylbenzene	12.33	105	558098	51.799	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	161829	51.506	ug/L	99
59) 1,2,3-Trichloropropane	12.63	75	124123	50.705	ug/L	99
62) Bromoform	12.20	173	111612	47.654	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	339064	47.246	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	344317	46.625	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	284372	48.243	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	24110	52.101	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	184270	49.087	ug/L	98
68) 1,2,4-trichlorobenzene	15.00	180	164254	50.434	ug/L	99
69) Naphthalene	15.23	128	298761	51.774	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	120817	48.980	ug/L	98

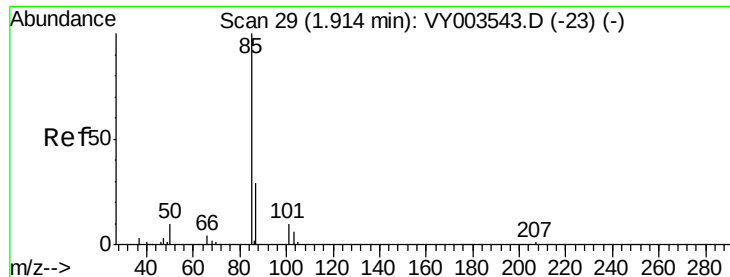
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.914 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

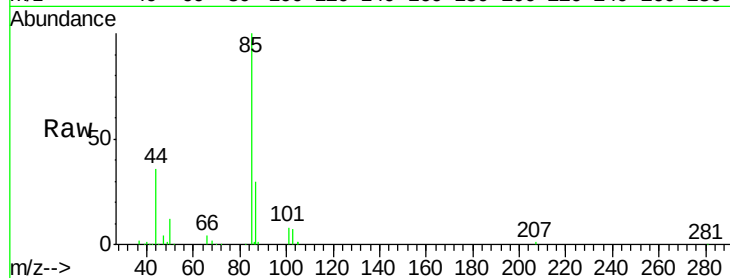
VSTD05079

Tgt Ion: 85 Resp: 66860

Ion Ratio Lower Upper

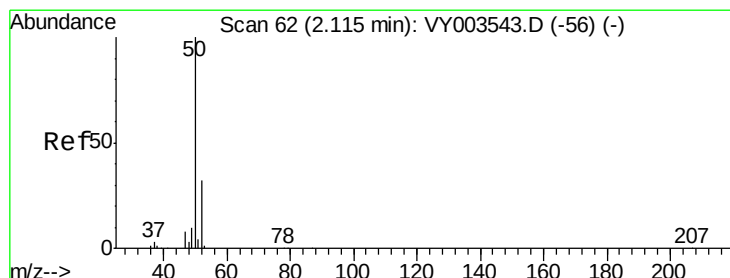
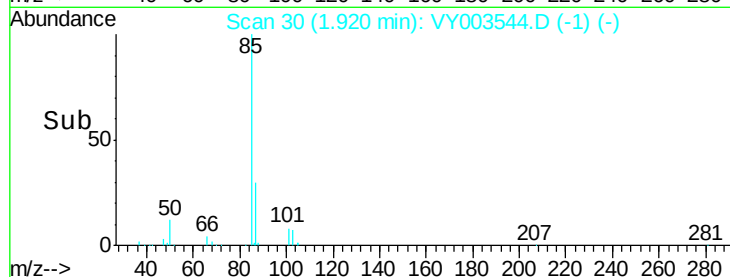
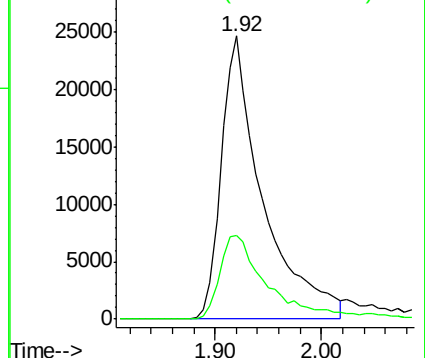
85 100

87 31.8 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 46.436 ug/L

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003544.D

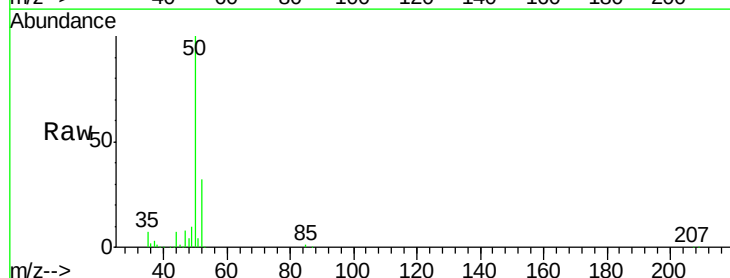
Acq: 19 Nov 2020 12:30

Tgt Ion: 50 Resp: 129008

Ion Ratio Lower Upper

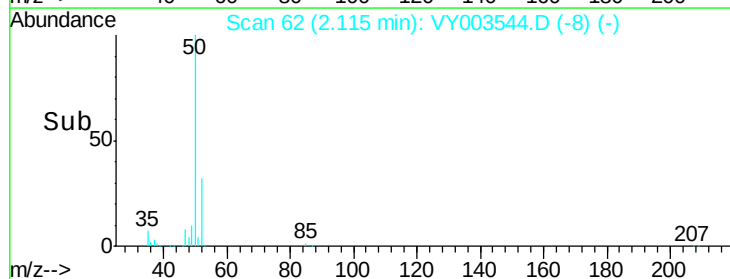
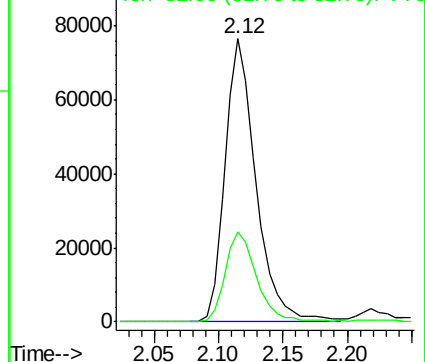
50 100

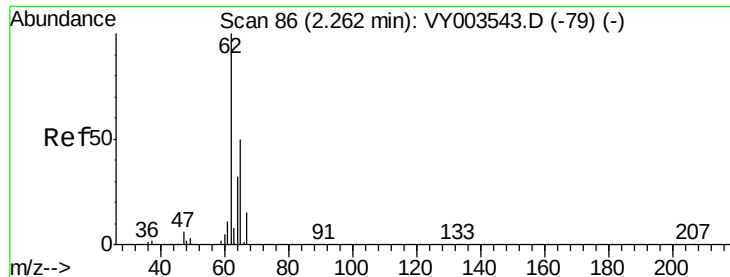
52 32.0 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 62.854 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

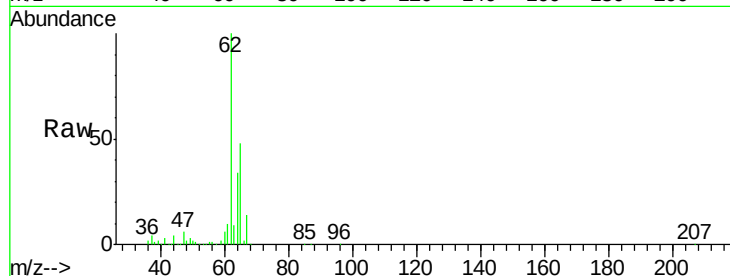
VSTD05079

Tgt Ion: 62 Resp: 168086

Ion Ratio Lower Upper

62 100

64 33.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

2.26

100000

80000

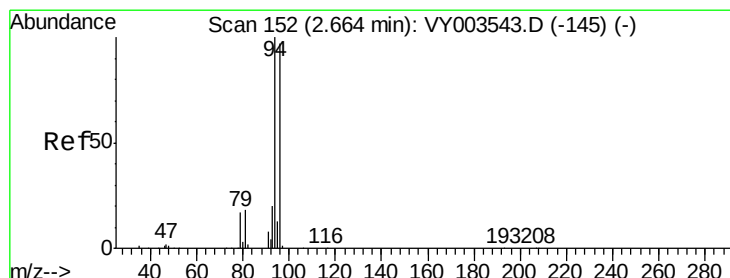
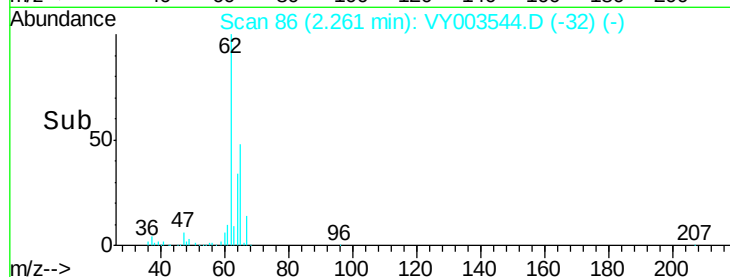
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 51.133 ug/L

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY003544.D

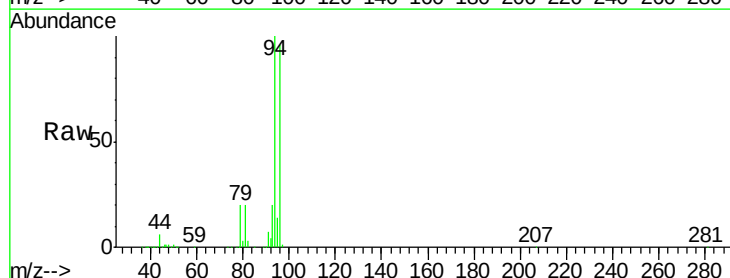
Acq: 19 Nov 2020 12:30

Tgt Ion: 94 Resp: 125461

Ion Ratio Lower Upper

94 100

96 92.4 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

2.66

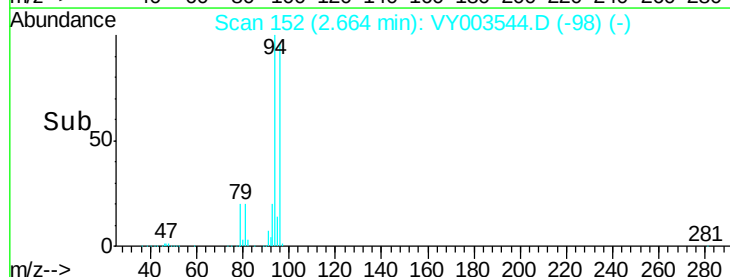
60000

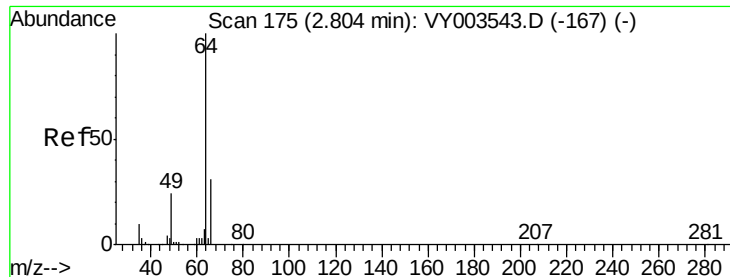
40000

20000

0

Time-->





#8

Chloroethane

Concen: 50.221 ug/L

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

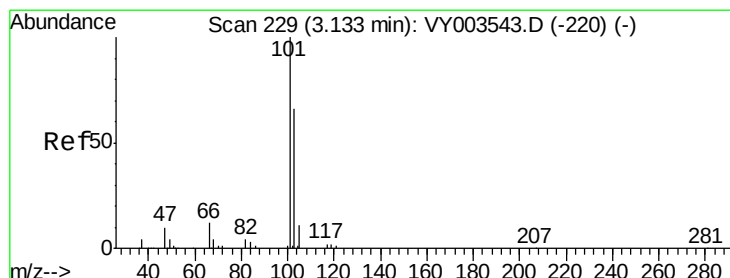
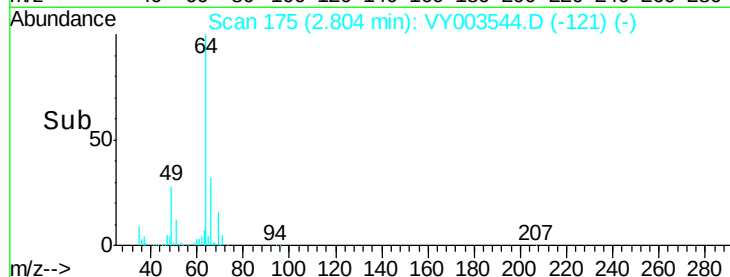
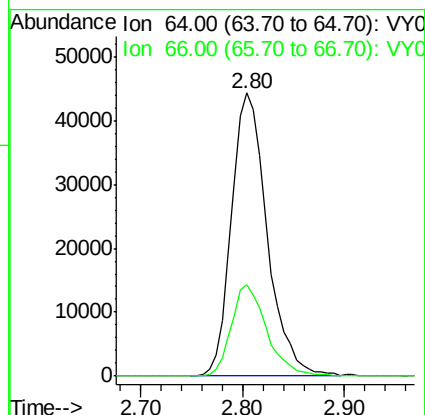
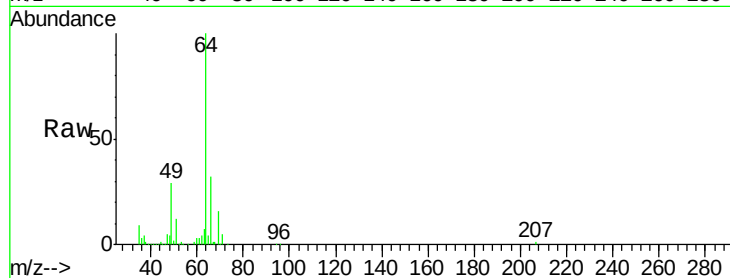
VSTD05079

Tgt Ion: 64 Resp: 107282

Ion Ratio Lower Upper

64 100

66 32.4 21.8 40.6



#9

Trichlorofluoromethane

Concen: 51.483 ug/L

RT: 3.13 min Scan# 229

Delta R.T. -0.00 min

Lab File: VY003544.D

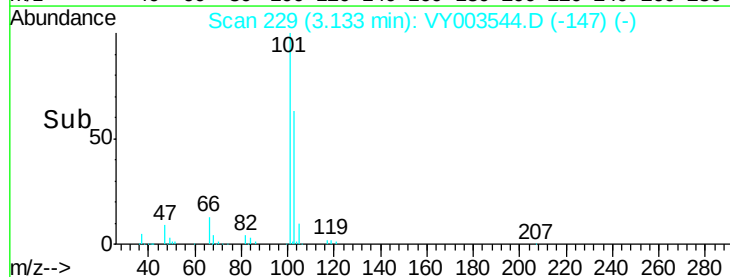
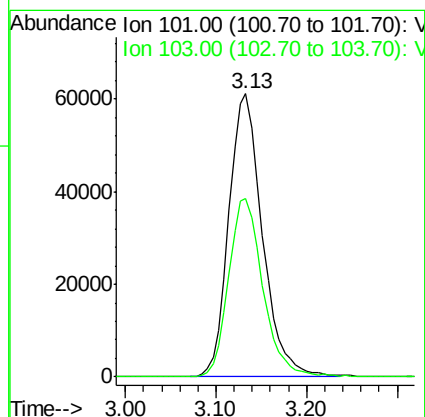
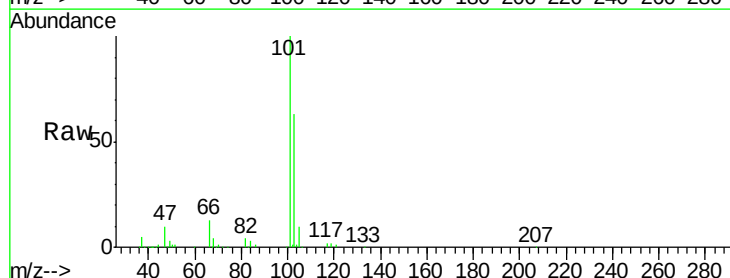
Acq: 19 Nov 2020 12:30

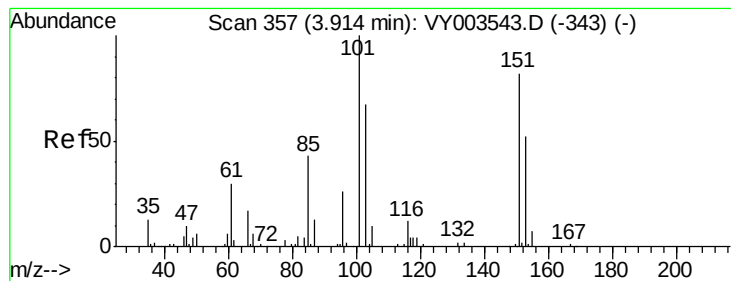
Tgt Ion: 101 Resp: 157326

Ion Ratio Lower Upper

101 100

103 64.2 45.6 84.6





#11

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

Concen: 49.761 ug/L

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05079

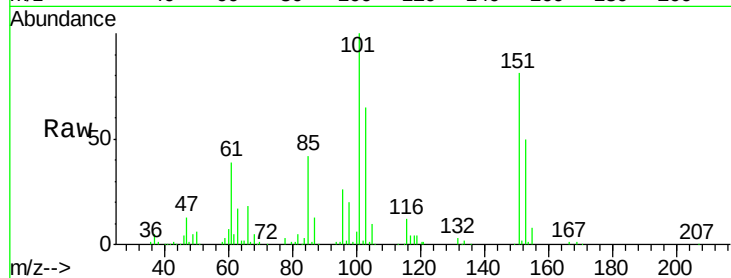
Tgt Ion: 101 Resp: 156615

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.4

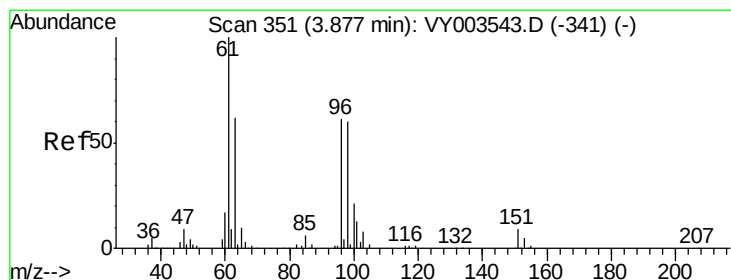
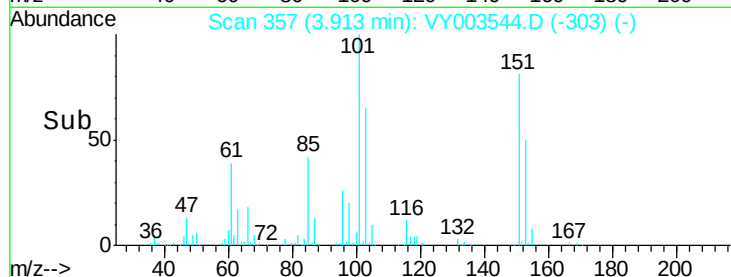
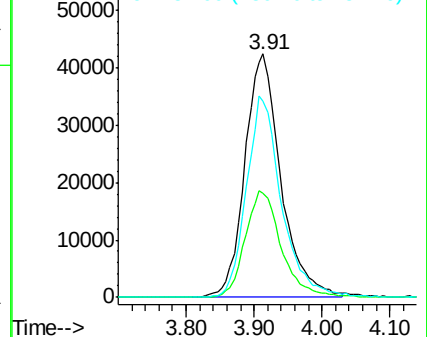
151 80.2 65.4 98.0



Abundance Ion 101.00 (100.70 to 101.70): VY003543.D (-343) (-)

Ion 85.00 (84.70 to 85.70): VY003543.D (-343) (-)

Ion 151.00 (150.70 to 151.70): VY003543.D (-343) (-)



#12

1,1-Dichloroethene

Concen: 49.760 ug/L

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

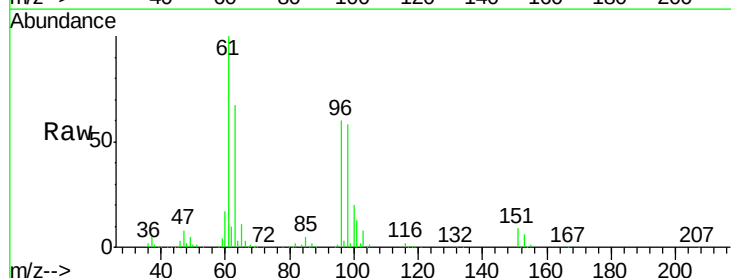
Tgt Ion: 96 Resp: 168295

Ion Ratio Lower Upper

96 100

61 165.4 116.6 216.6

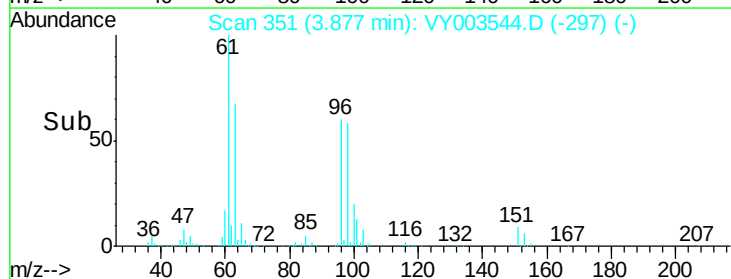
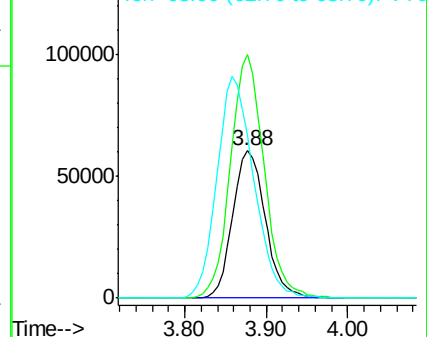
63 110.8 77.5 143.9

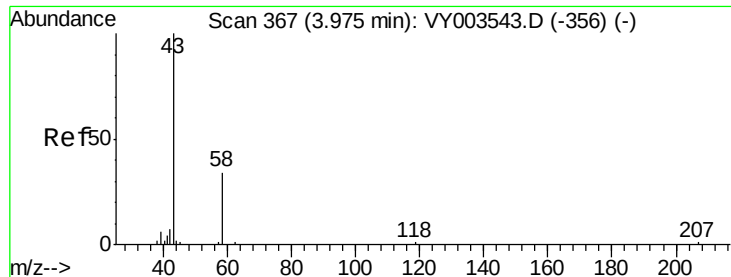


Abundance Ion 96.00 (95.70 to 96.70): VY003544.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VY003544.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VY003544.D (-297) (-)





#13

Acetone

Concen: 89.690 ug/L

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

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MSVOA_Y

ClientSampleId :

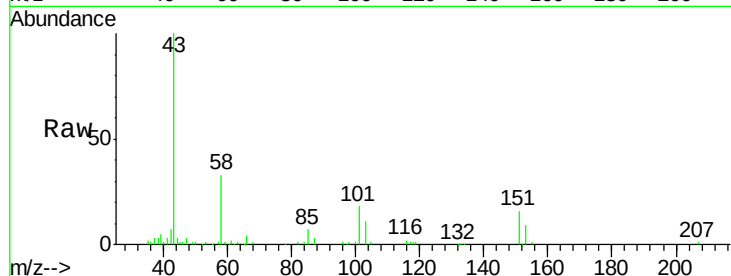
VSTD05079

Tgt Ion: 43 Resp: 88446

Ion Ratio Lower Upper

43 100

58 31.1 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VY003544.D (-313) (-)

Ion 58.00 (57.70 to 58.70): VY003544.D (-313) (-)

3.97

25000

20000

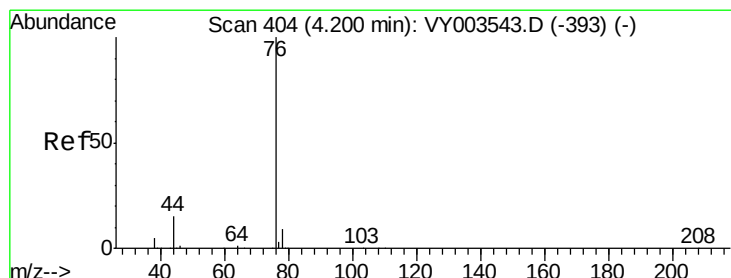
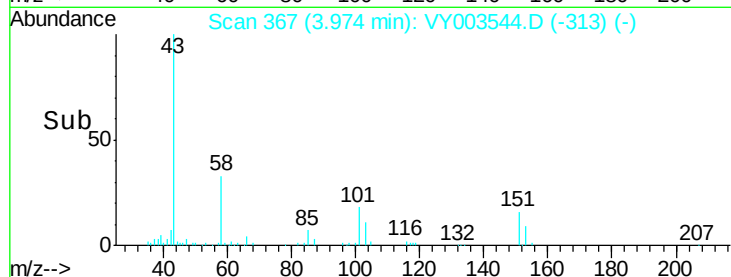
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 50.228 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003544.D

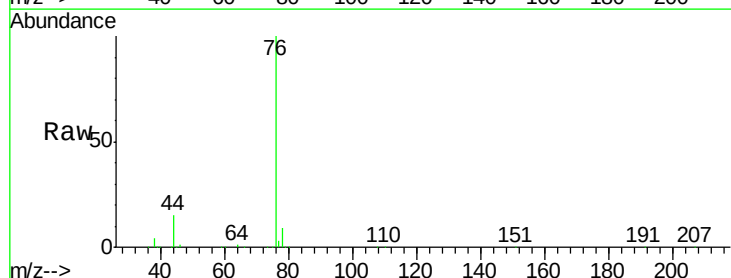
Acq: 19 Nov 2020 12:30

Tgt Ion: 76 Resp: 547838

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY003544.D (-322) (-)

Ion 78.00 (77.70 to 78.70): VY003544.D (-322) (-)

4.20

200000

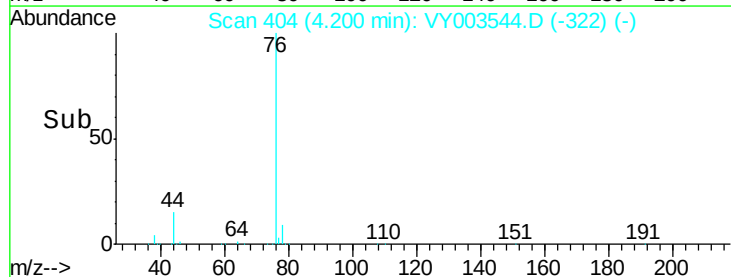
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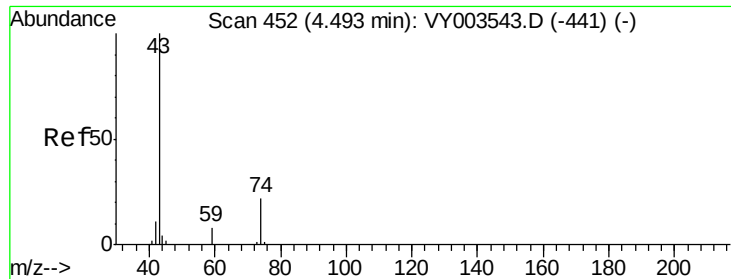
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50000

0

Time-->

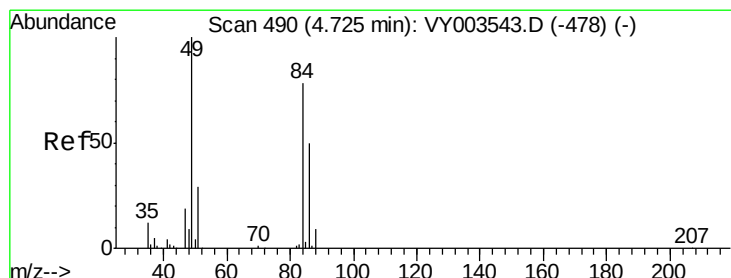
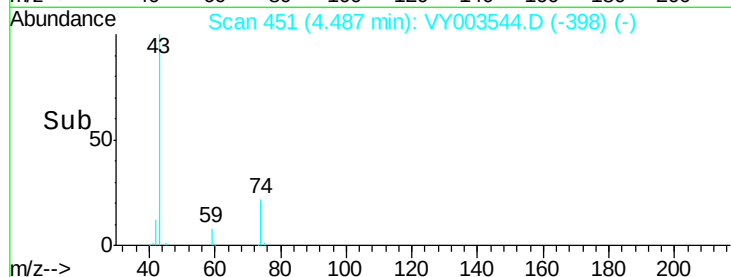
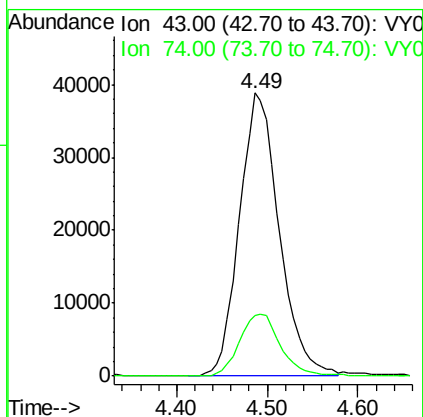
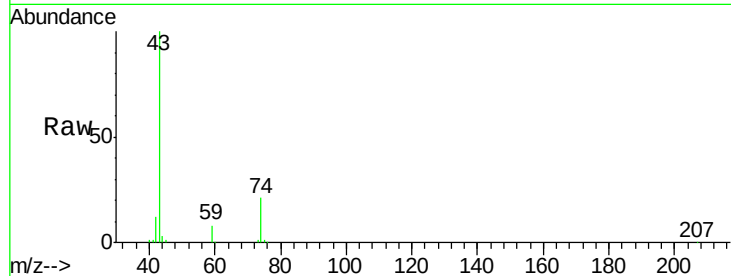




#15
Methyl Acetate
Concen: 49.337 ug/L
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

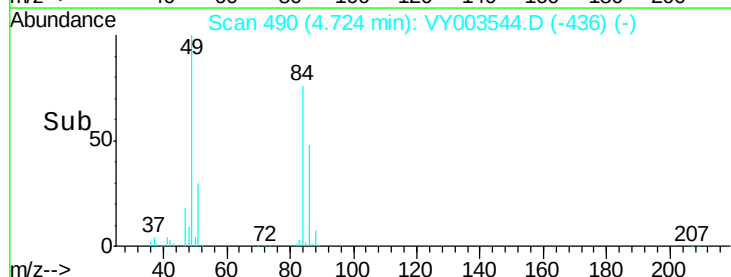
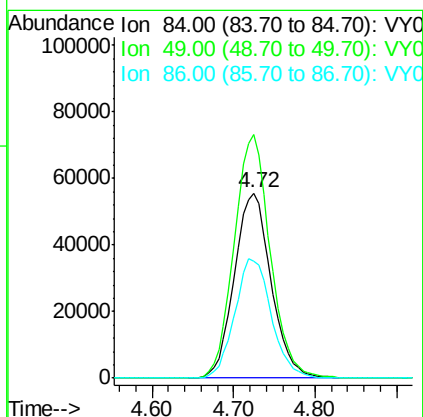
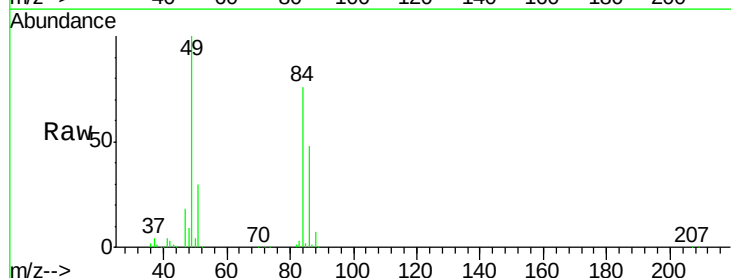
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05079

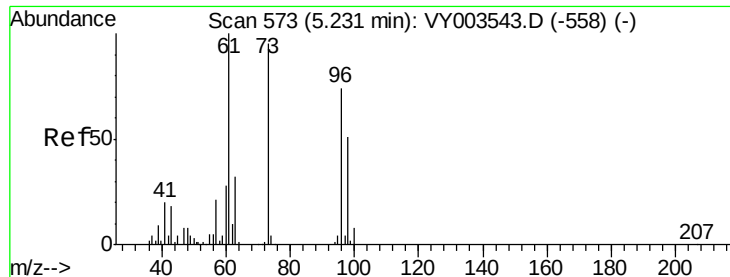
Tgt Ion: 43 Resp: 118091
Ion Ratio Lower Upper
43 100
74 22.2 18.2 27.2



#16
Methylene chloride
Concen: 36.783 ug/L
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

Tgt Ion: 84 Resp: 173653
Ion Ratio Lower Upper
84 100
49 131.6 90.3 167.7
86 63.4 44.7 83.1

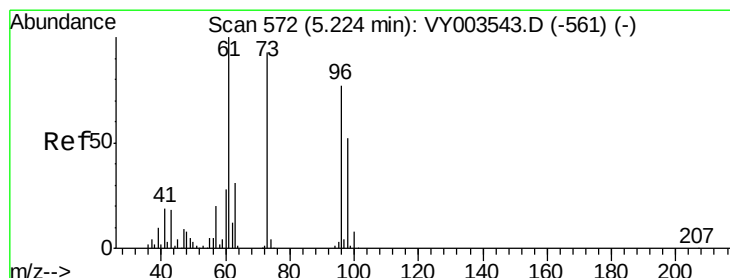
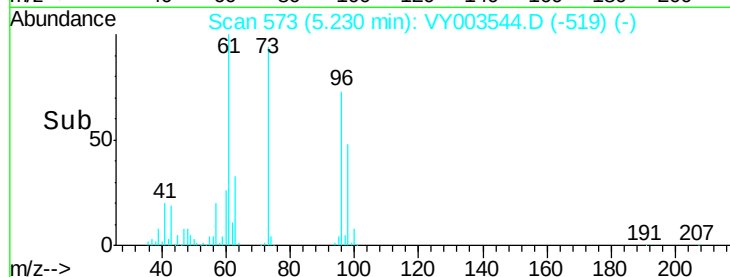
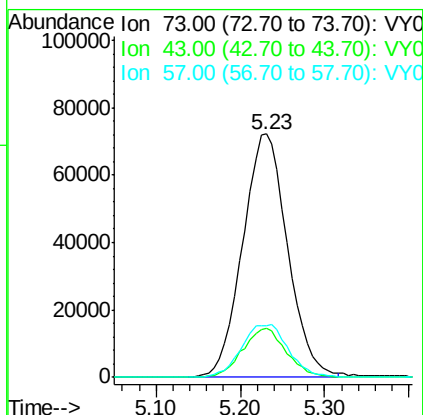
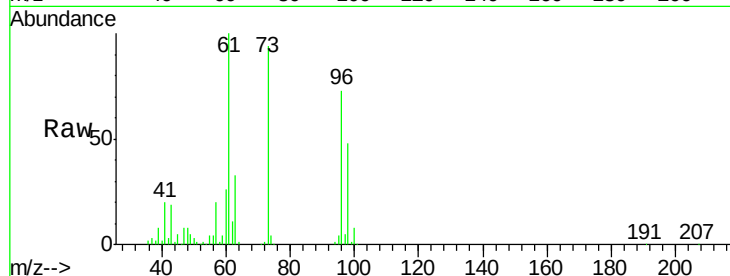




#17
Methyl tert-butyl Ether
Concen: 49.127 ug/L
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

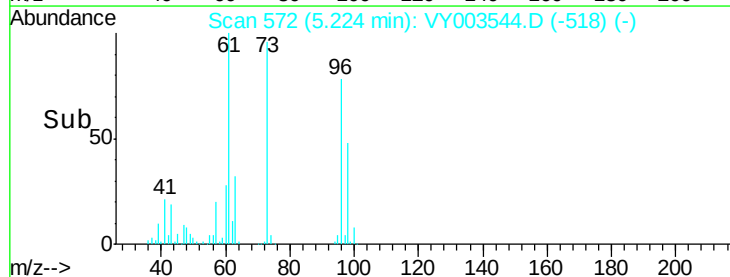
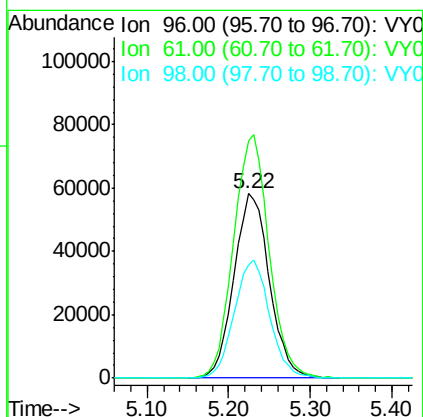
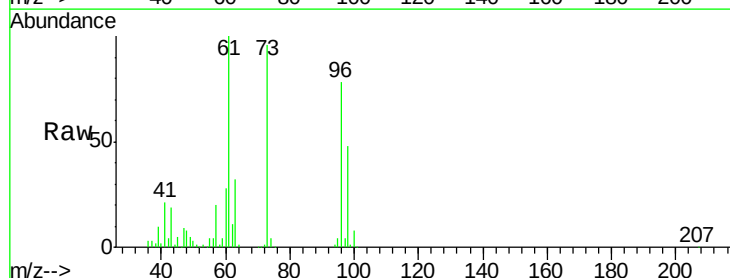
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05079

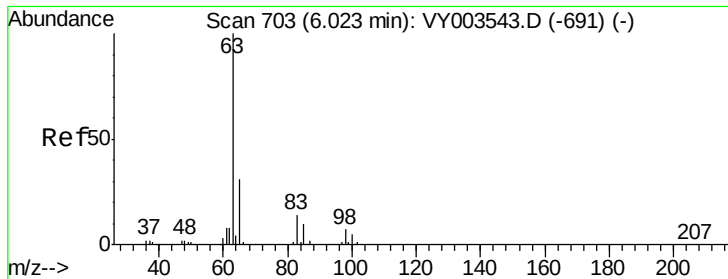
Tgt Ion: 73 Resp: 262510
Ion Ratio Lower Upper
73 100
43 19.5 15.9 23.9
57 10.3 10.5 15.7#



#18
trans-1,2-Dichloroethene
Concen: 48.518 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

Tgt Ion: 96 Resp: 175390
Ion Ratio Lower Upper
96 100
61 128.7 90.8 168.6
98 61.4 46.8 87.0

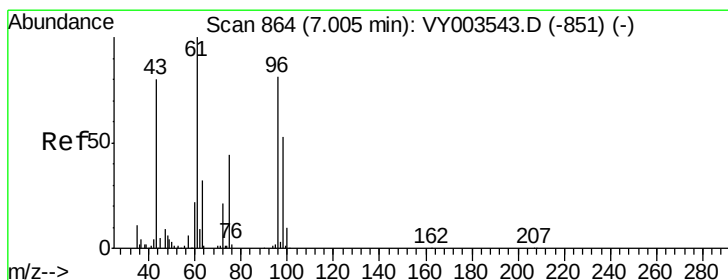
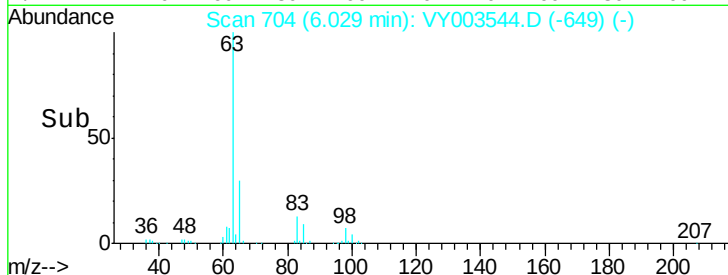
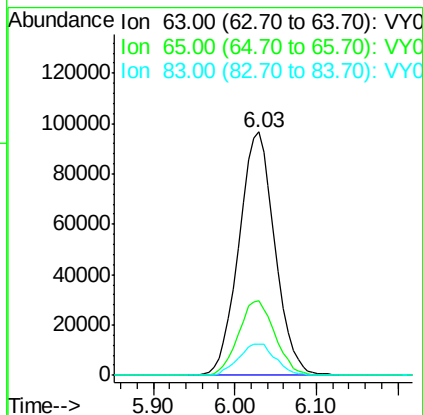
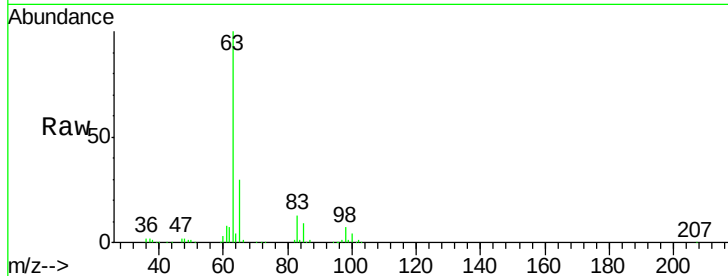




#19
 1,1-Dichloroethane
 Concen: 47.893 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VY003544.D
 Acq: 19 Nov 2020 12:30

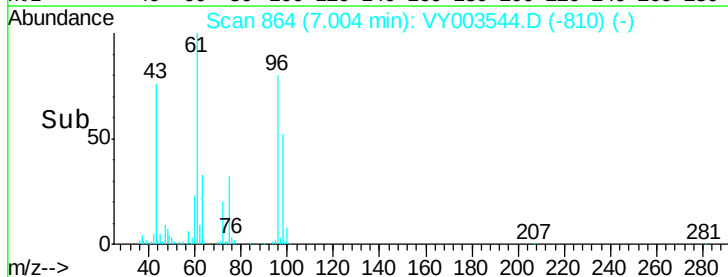
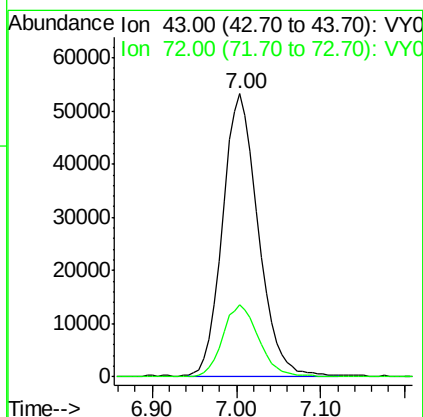
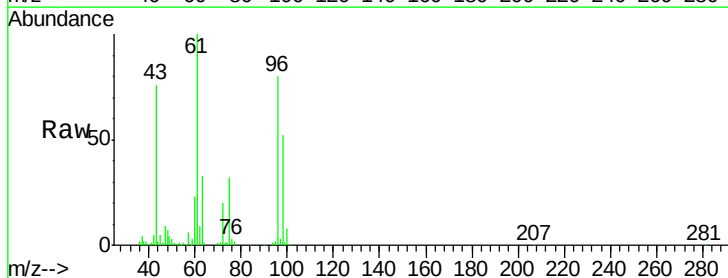
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05079

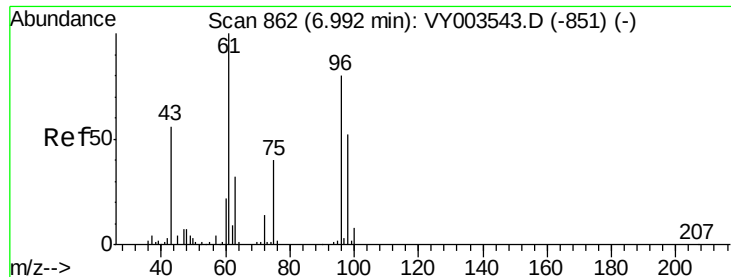
Tgt Ion: 63 Resp: 296008
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.0 40.8
 83 13.0 9.9 18.5



#21
 2-Butanone
 Concen: 95.921 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VY003544.D
 Acq: 19 Nov 2020 12:30

Tgt Ion: 43 Resp: 153884
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.2 39.6



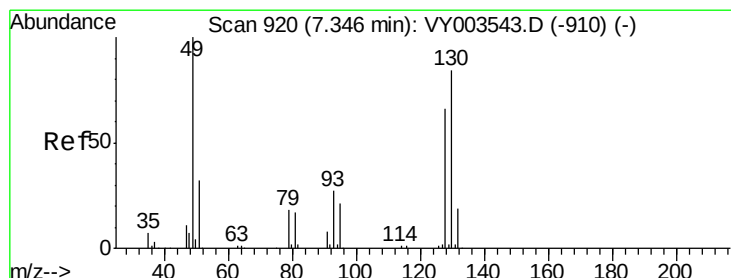
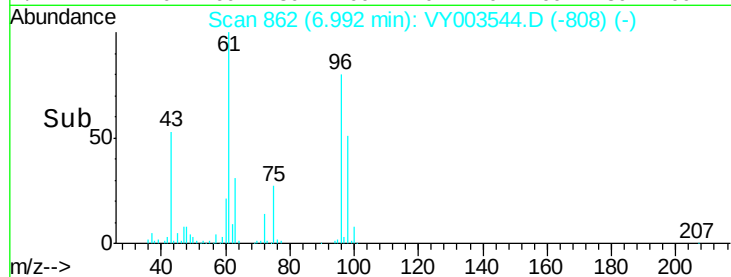
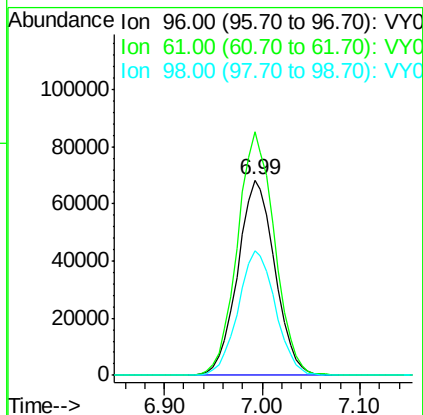
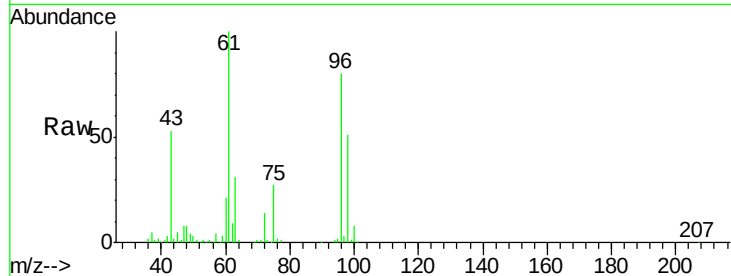


#22

cis-1,2-Dichloroethene
Concen: 47.708 ug/L
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05079

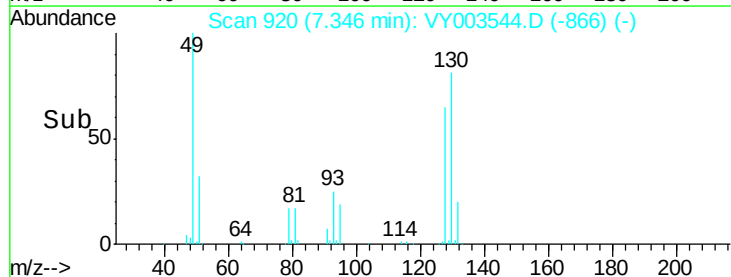
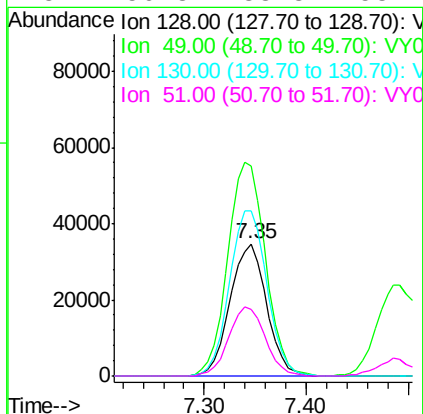
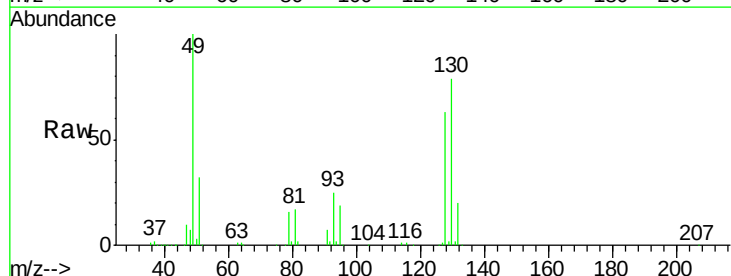
Tgt Ion: 96 Resp: 180386
Ion Ratio Lower Upper
96 100
61 124.6 88.1 163.5
98 63.7 45.6 84.6

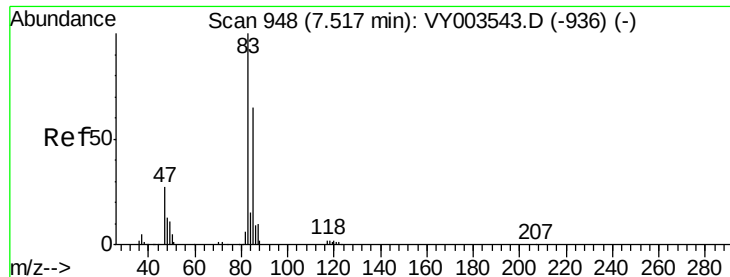


#23

Bromochloromethane
Concen: 47.355 ug/L
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

Tgt Ion: 128 Resp: 86186
Ion Ratio Lower Upper
128 100
49 159.3 107.3 199.3
130 125.2 89.3 165.9
51 50.8 38.8 58.2





#25

Chloroform

Concen: 47.784 ug/L

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

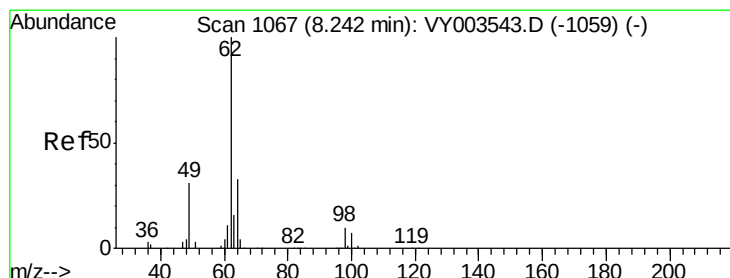
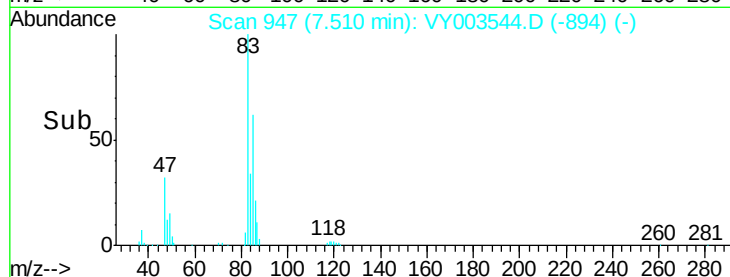
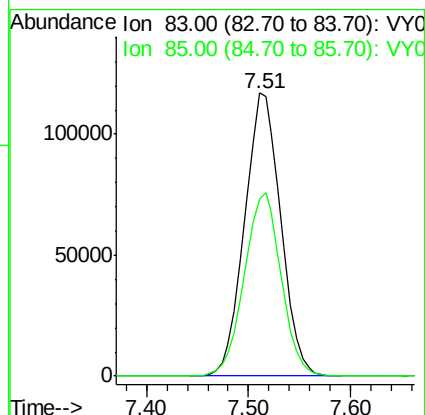
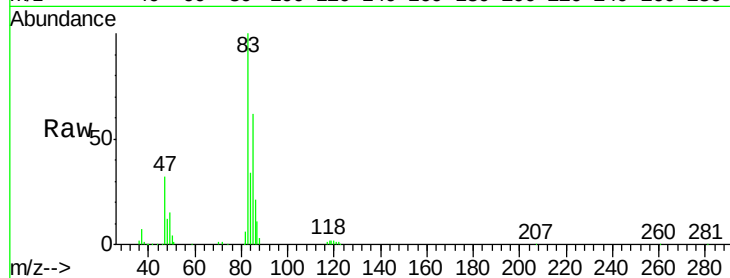
VSTD05079

Tgt Ion: 83 Resp: 289346

Ion Ratio Lower Upper

83 100

85 65.9 46.2 85.8



#27

1,2-Dichloroethane

Concen: 48.106 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003544.D

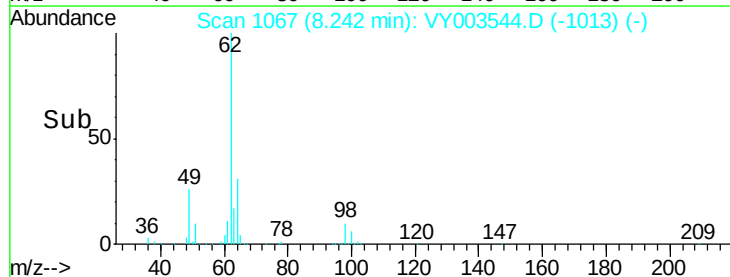
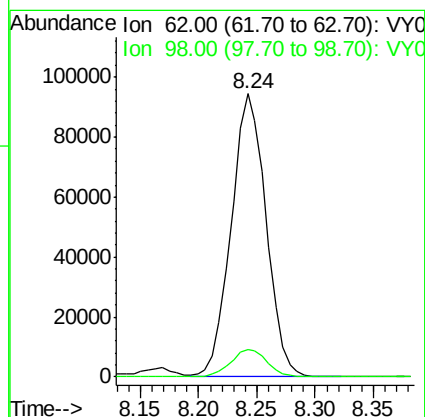
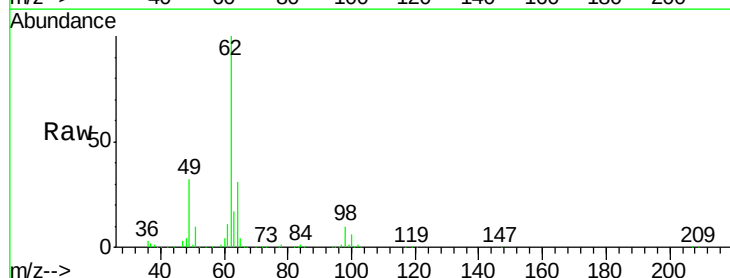
Acq: 19 Nov 2020 12:30

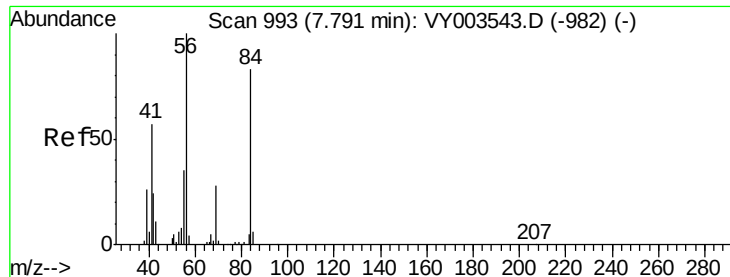
Tgt Ion: 62 Resp: 196988

Ion Ratio Lower Upper

62 100

98 9.8 7.7 11.5

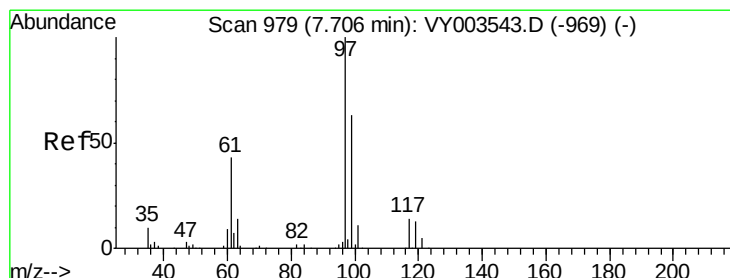
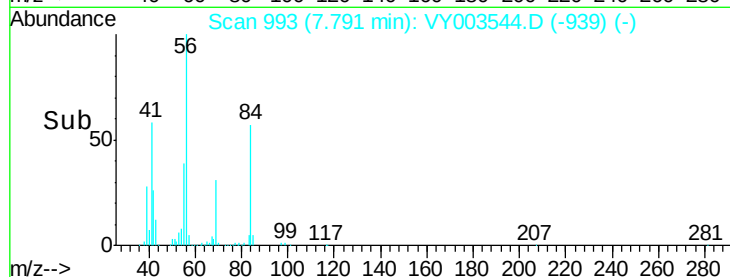
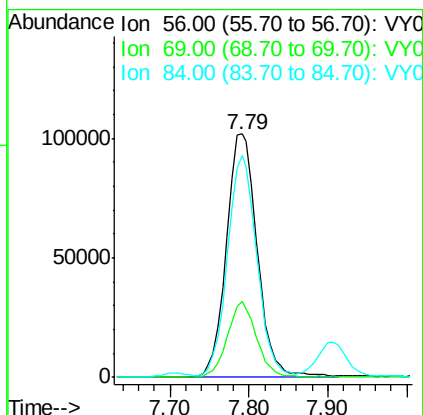
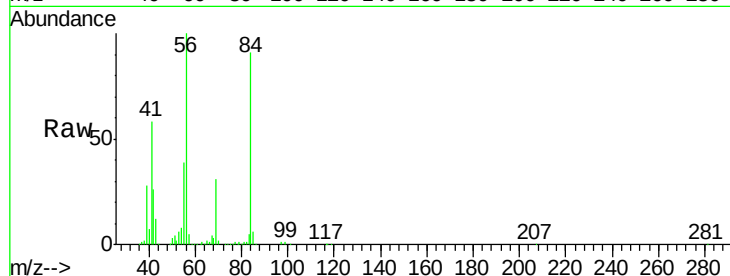




#30
Cyclohexane
Concen: 52.670 ug/L
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

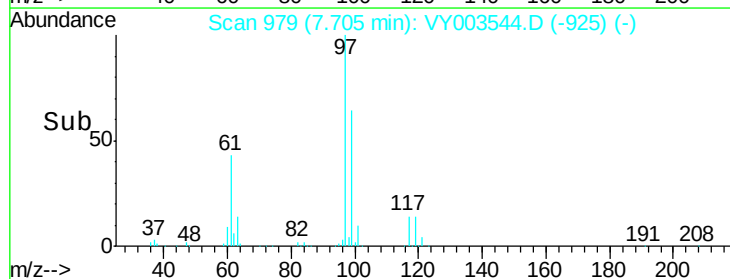
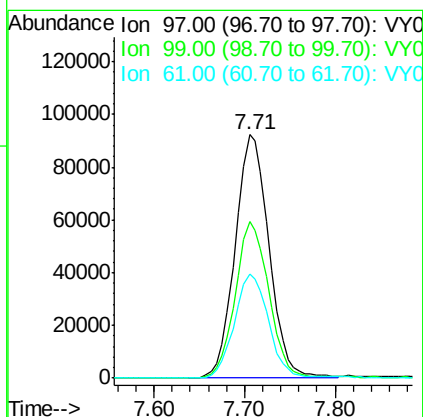
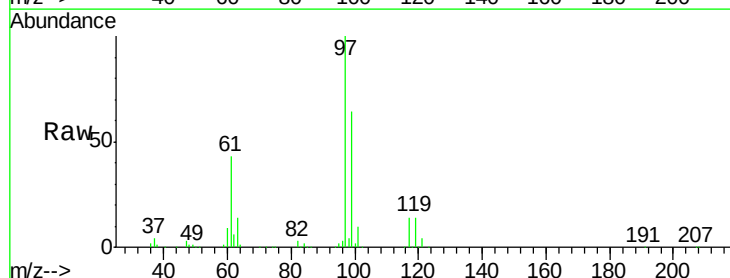
Instrument :
MSVOA_Y
ClientSampled :
VSTD05079

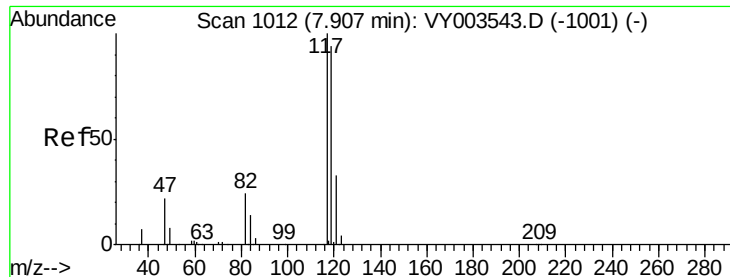
Tgt Ion: 56 Resp: 278264
Ion Ratio Lower Upper
56 100
69 29.2 23.3 34.9
84 85.6 69.9 104.9



#31
1,1,1-Trichloroethane
Concen: 51.329 ug/L
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

Tgt Ion: 97 Resp: 239082
Ion Ratio Lower Upper
97 100
99 63.6 52.1 78.1
61 42.8 34.9 52.3





#32

Carbon tetrachloride

Concen: 51.264 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

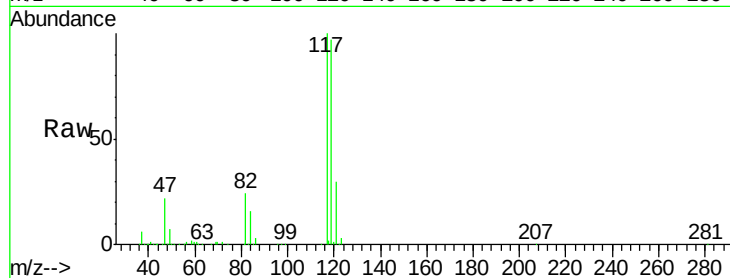
VSTD05079

Tgt Ion:117 Resp: 225925

Ion Ratio Lower Upper

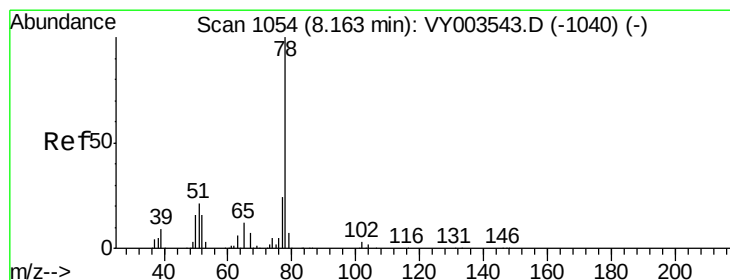
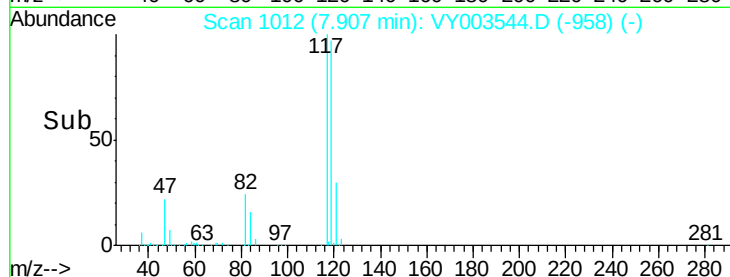
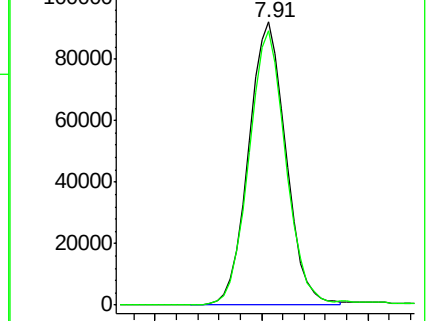
117 100

119 95.4 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 48.054 ug/L

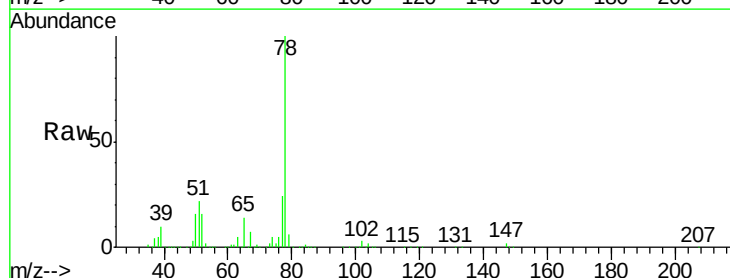
RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

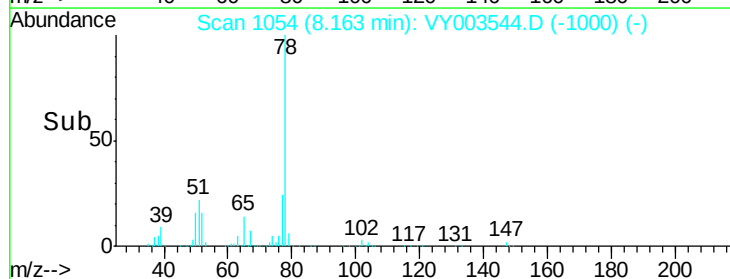
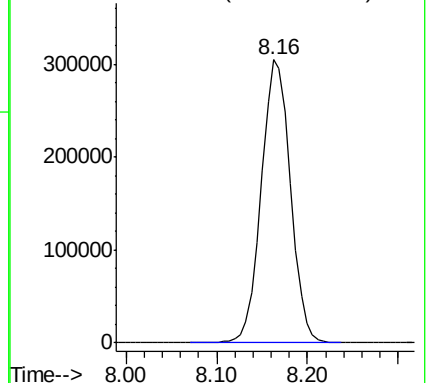
Lab File: VY003544.D

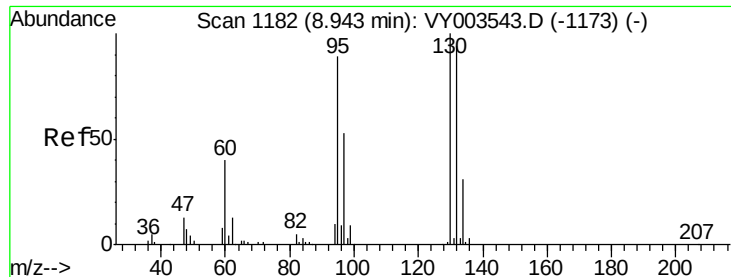
Acq: 19 Nov 2020 12:30

Tgt Ion: 78 Resp: 679680



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 48.457 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05079

Tgt Ion: 95 Resp: 171716

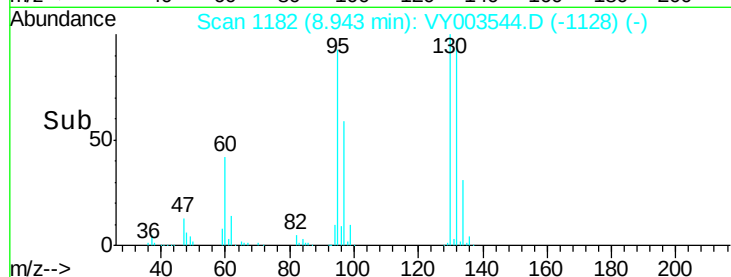
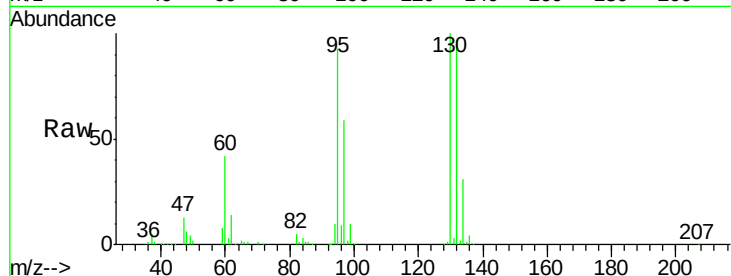
Ion Ratio Lower Upper

95 100

97 64.7 44.5 82.7

132 103.9 73.1 135.7

130 107.7 76.1 141.3

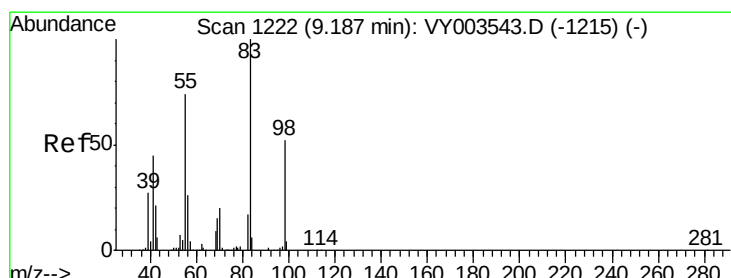
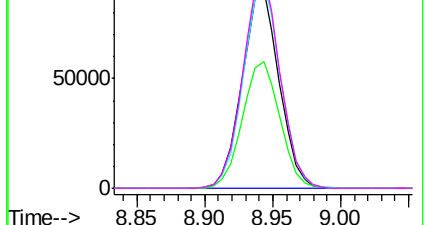


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 50.512 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

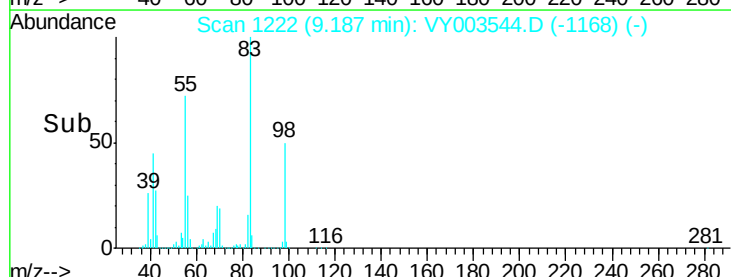
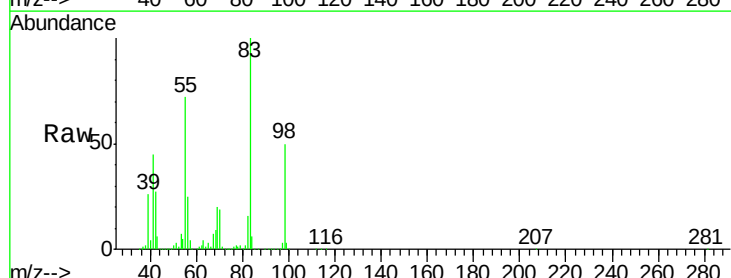
Tgt Ion: 83 Resp: 277099

Ion Ratio Lower Upper

83 100

55 75.5 60.8 91.2

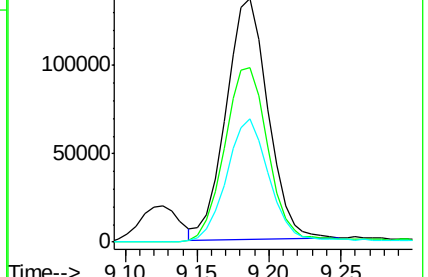
98 52.5 40.6 61.0

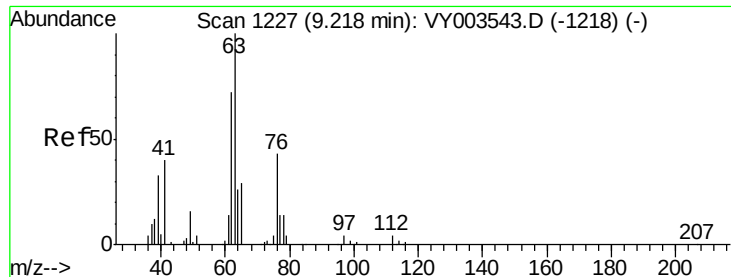


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

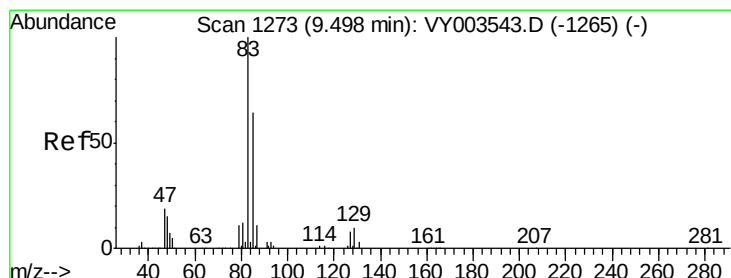
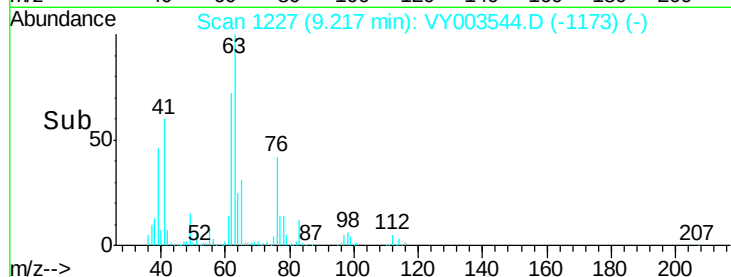
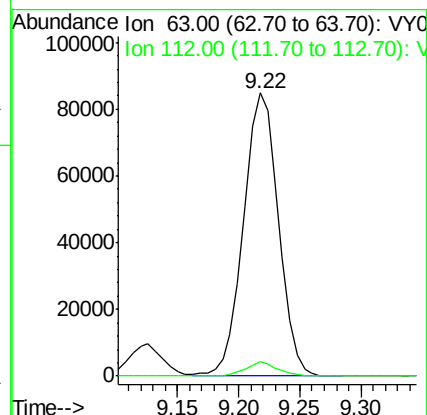
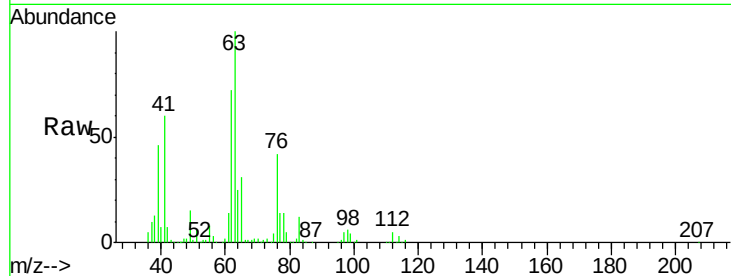




#40
 1,2-Dichloropropane
 Concen: 48.043 ug/L
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003544.D
 Acq: 19 Nov 2020 12:30

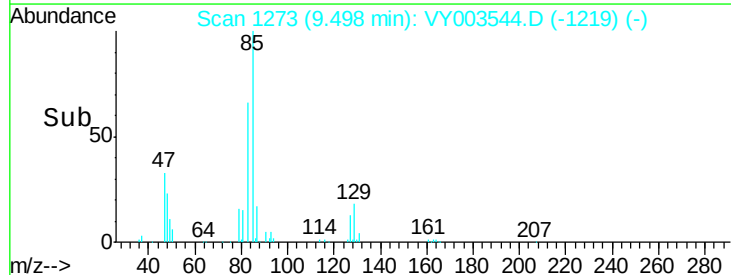
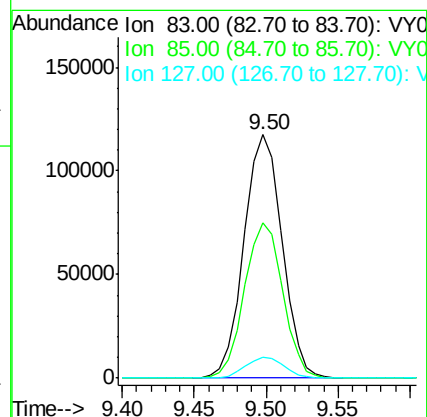
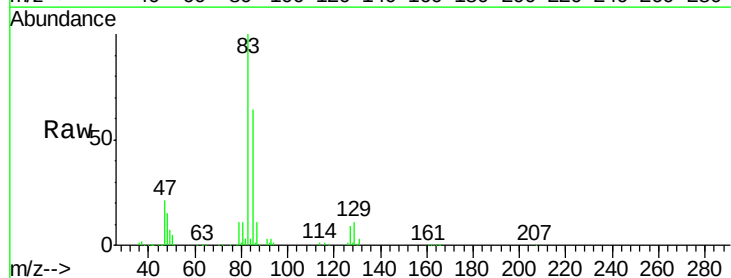
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05079

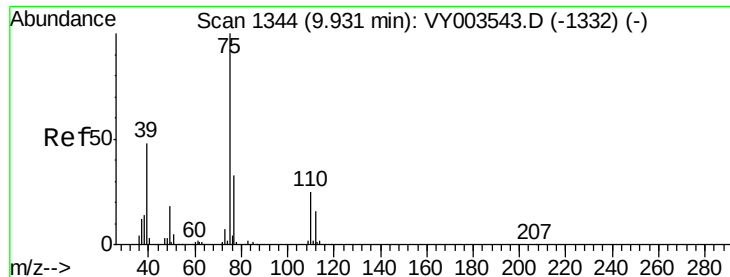
Tgt Ion: 63 Resp: 168395
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#41
 Bromodichloromethane
 Concen: 48.134 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY003544.D
 Acq: 19 Nov 2020 12:30

Tgt Ion: 83 Resp: 216140
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.1 83.7
 127 8.5 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 49.568 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

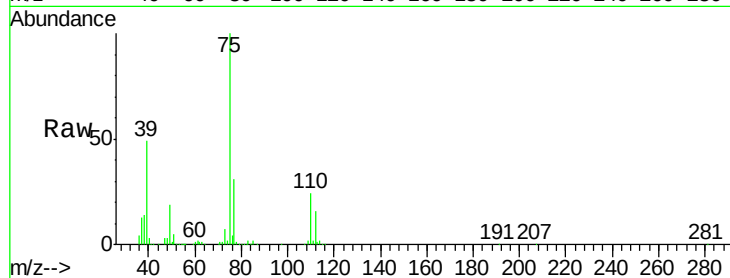
VSTD05079

Tgt Ion: 75 Resp: 273156

Ion Ratio Lower Upper

75 100

77 31.3 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

9.93

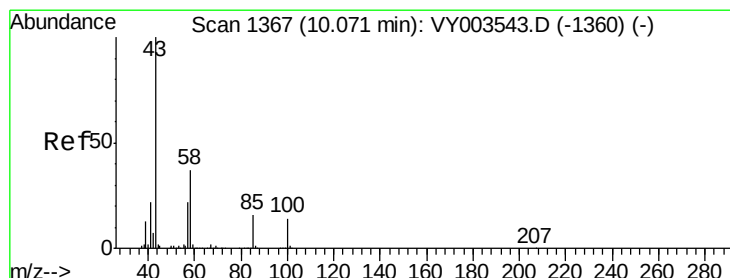
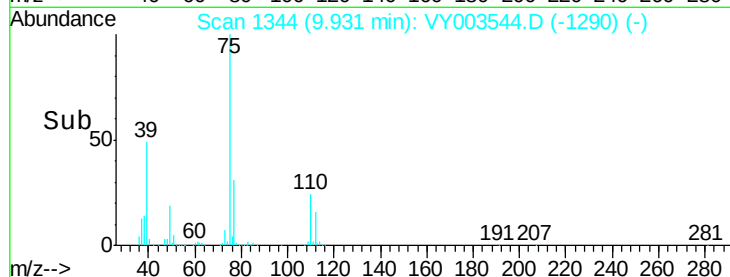
150000

100000

50000

0

Time--> 9.80 9.90 10.00



#43

4-Methyl-2-pentanone

Concen: 99.872 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

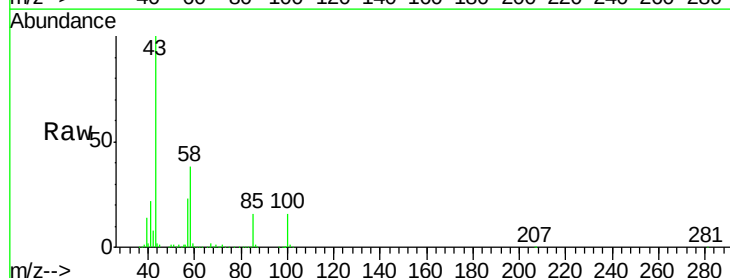
Tgt Ion: 43 Resp: 297404

Ion Ratio Lower Upper

43 100

58 37.4 30.2 45.2

100 15.0 11.7 17.5



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

10.07

200000

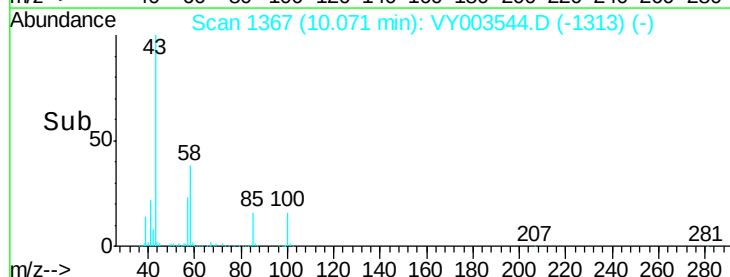
150000

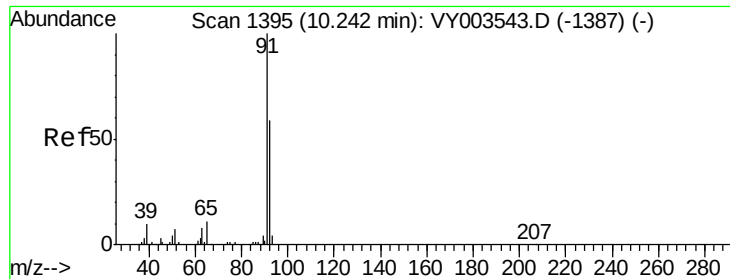
100000

50000

0

Time--> 10.00 10.05 10.10





#44

Toluene

Concen: 49.564 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

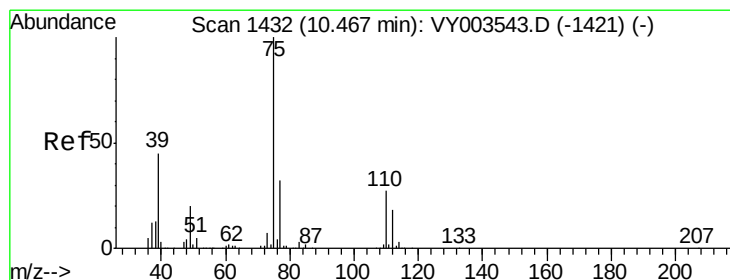
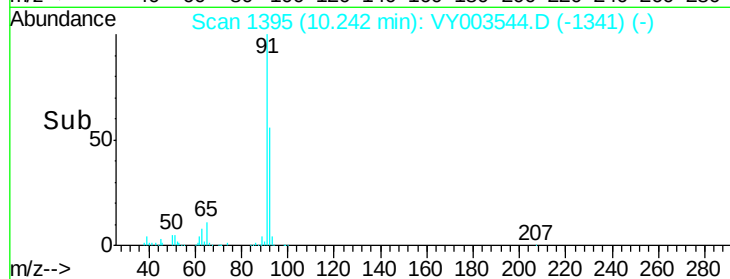
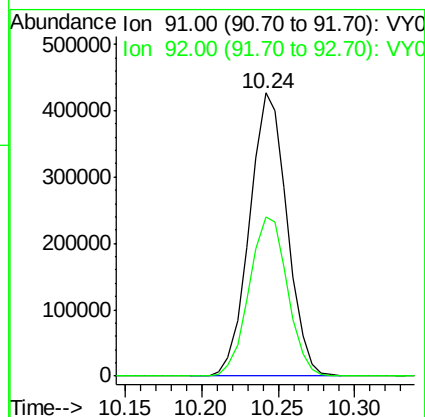
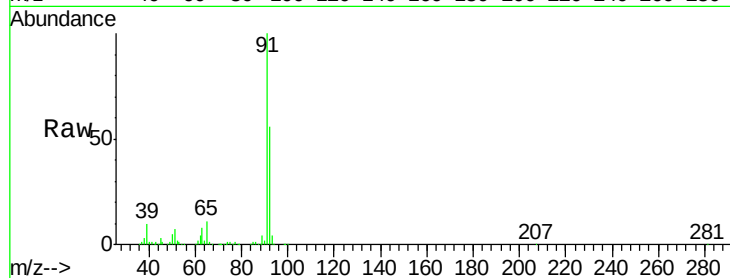
VSTD05079

Tgt Ion: 91 Resp: 727582

Ion Ratio Lower Upper

91 100

92 56.4 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 50.044 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003544.D

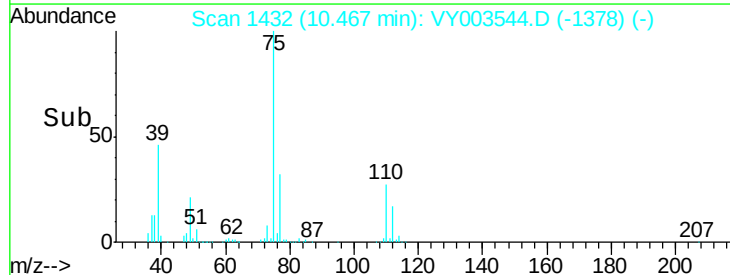
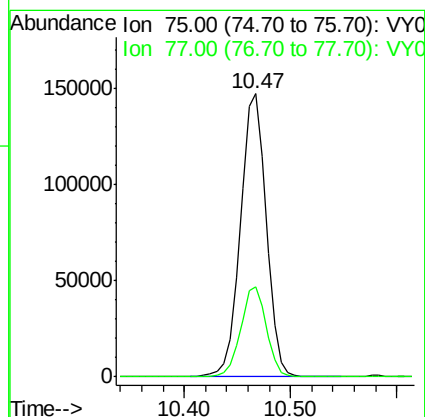
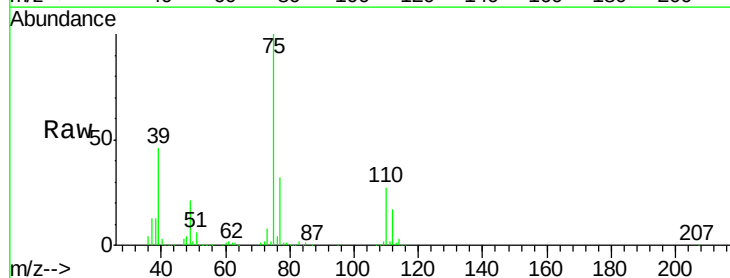
Acq: 19 Nov 2020 12:30

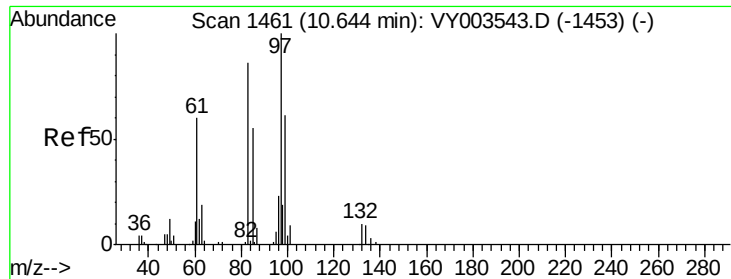
Tgt Ion: 75 Resp: 251546

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1

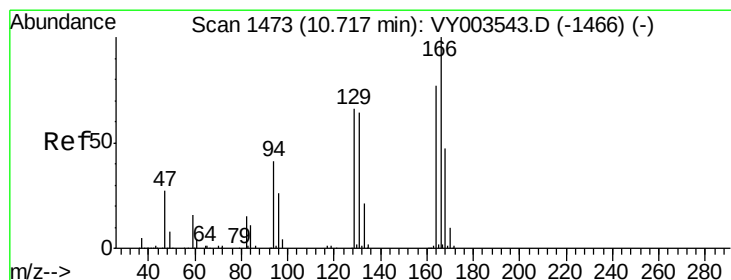
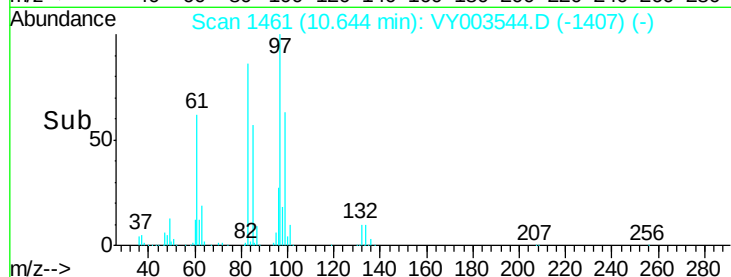
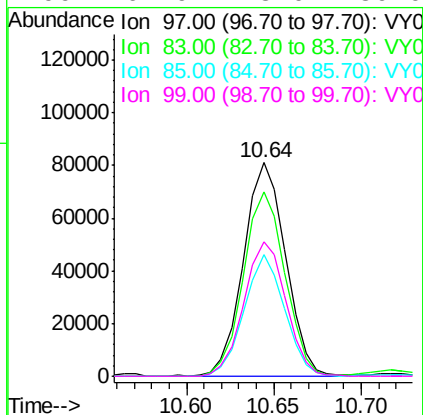
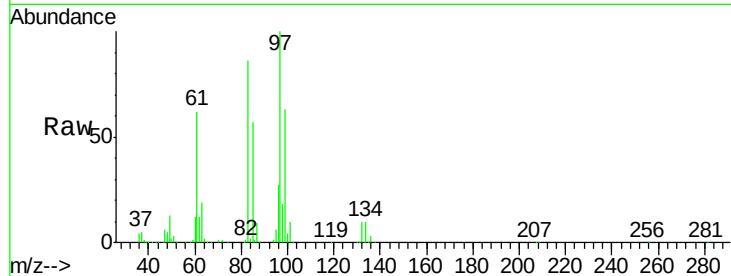




#46
 1,1,2-Trichloroethane
 Concen: 48.206 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003544.D
 Acq: 19 Nov 2020 12:30

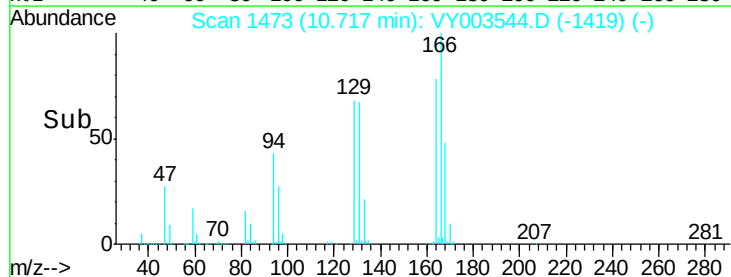
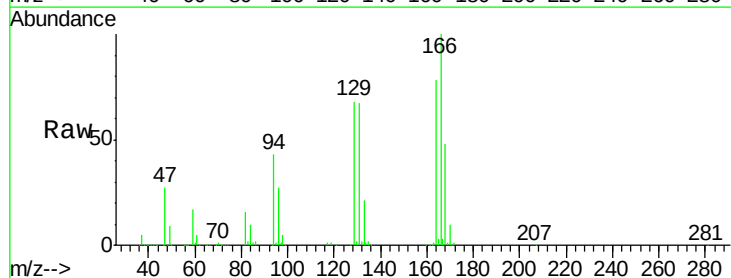
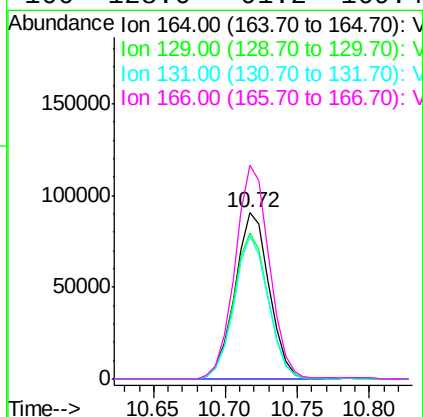
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05079

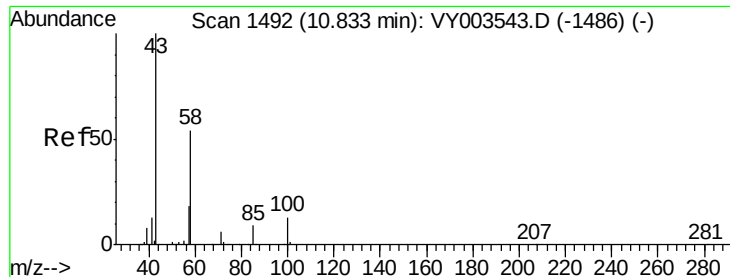
Tgt Ion: 97 Resp: 135660
 Ion Ratio Lower Upper
 97 100
 83 86.3 60.1 111.5
 85 56.8 38.9 72.2
 99 62.9 43.0 80.0



#47
 Tetrachloroethene
 Concen: 48.173 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: VY003544.D
 Acq: 19 Nov 2020 12:30

Tgt Ion: 164 Resp: 150517
 Ion Ratio Lower Upper
 164 100
 129 87.7 60.6 112.6
 131 86.5 58.7 109.1
 166 128.6 91.2 169.4

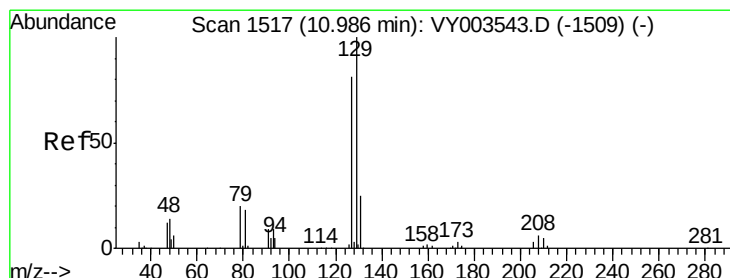
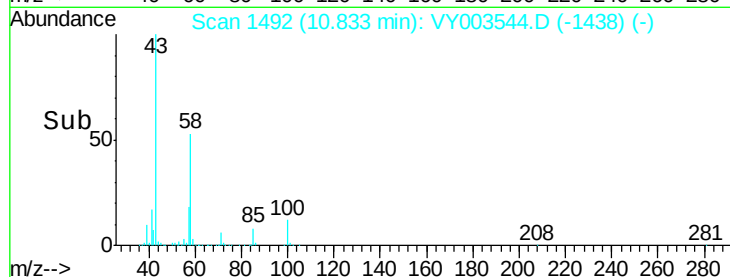
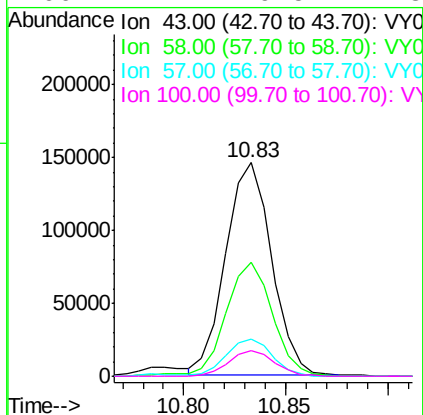
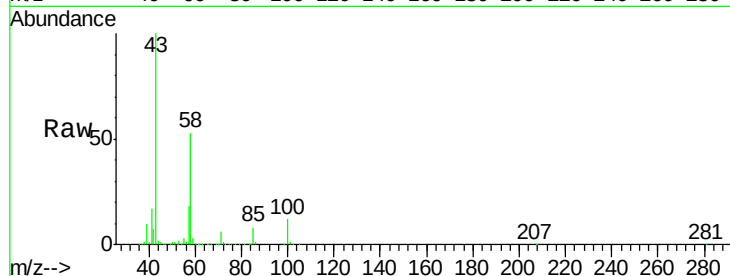




#49
2-Hexanone
Concen: 103.428 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

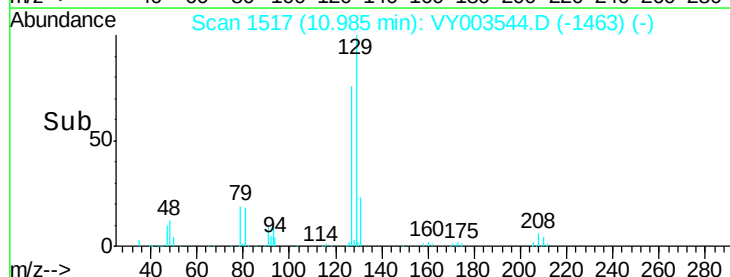
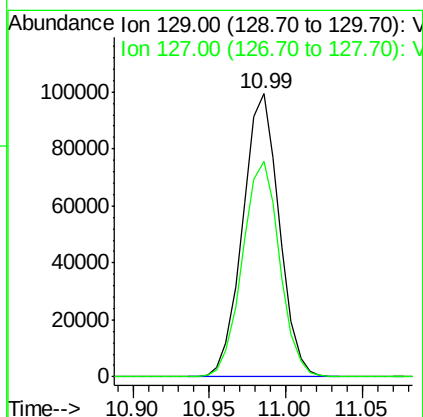
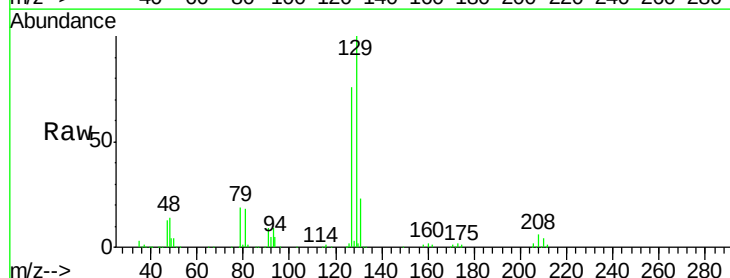
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05079

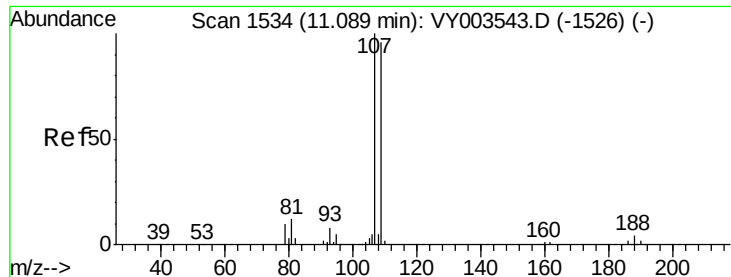
Tgt Ion:	43	Resp:	228160
Ion	Ratio	Lower	Upper
43	100		
58	53.1	42.1	63.1
57	17.9	14.2	21.2
100	12.1	9.5	14.3



#50
Dibromochloromethane
Concen: 49.871 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

Tgt Ion:	129	Resp:	165221
Ion	Ratio	Lower	Upper
129	100		
127	76.2	56.6	105.0

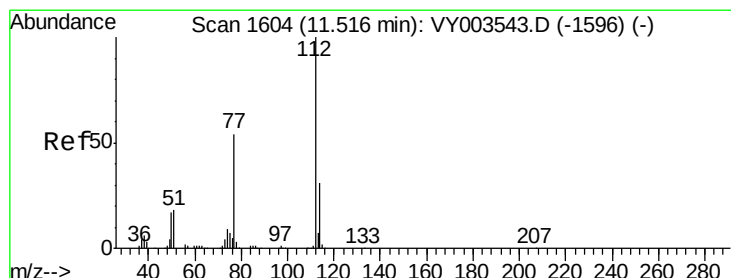
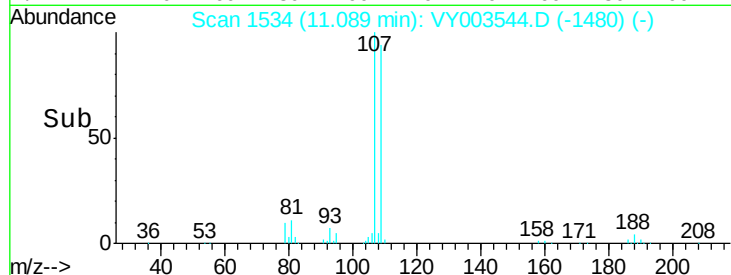
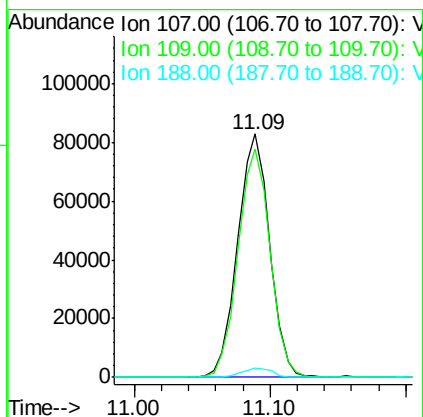
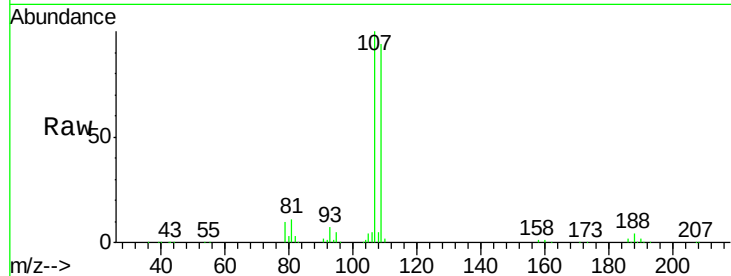




#51
1,2-Dibromoethane
Concen: 48.722 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

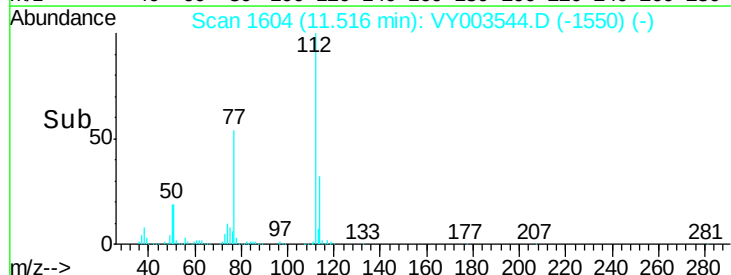
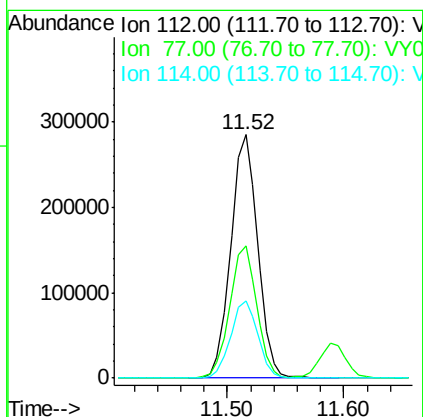
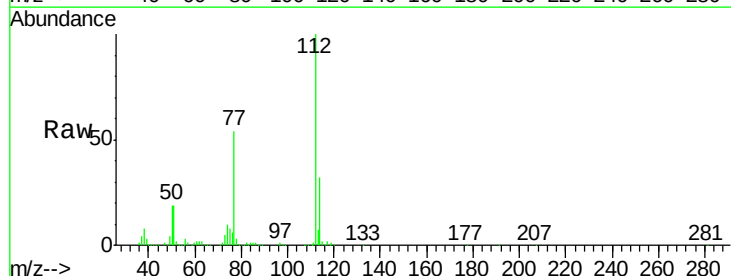
Instrument :
MSVOA_Y
ClientSampled :
VSTD05079

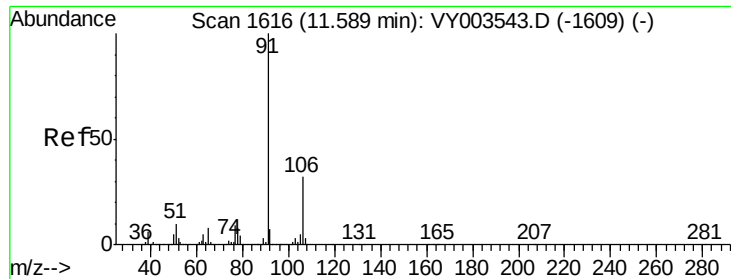
Tgt Ion:107 Resp: 136135
Ion Ratio Lower Upper
107 100
109 93.9 66.8 124.2
188 4.1 3.3 4.9



#52
Chlorobenzene
Concen: 48.696 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003544.D
Acq: 19 Nov 2020 12:30

Tgt Ion:112 Resp: 458656
Ion Ratio Lower Upper
112 100
77 54.2 43.3 64.9
114 31.6 21.9 40.7





#53

Ethylbenzene

Concen: 51.071 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

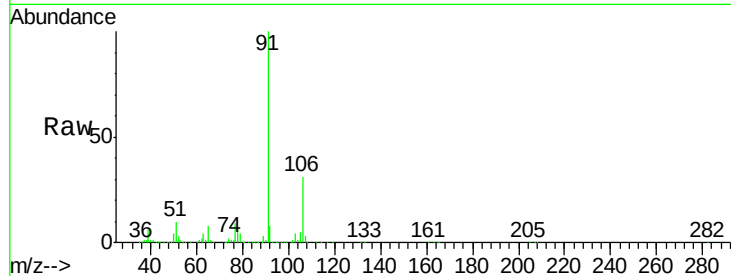
VSTD05079

Tgt Ion: 91 Resp: 761671

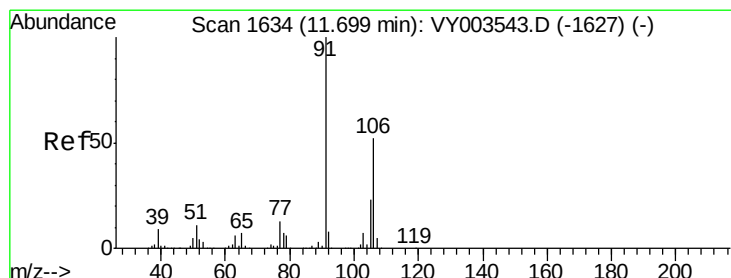
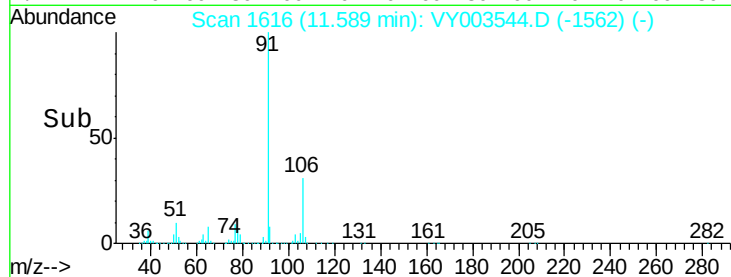
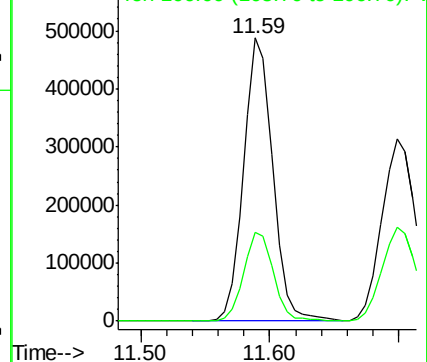
Ion Ratio Lower Upper

91 100

106 31.4 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY003543.D (-1609) (-)



#54

m,p-Xylene

Concen: 51.080 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003544.D

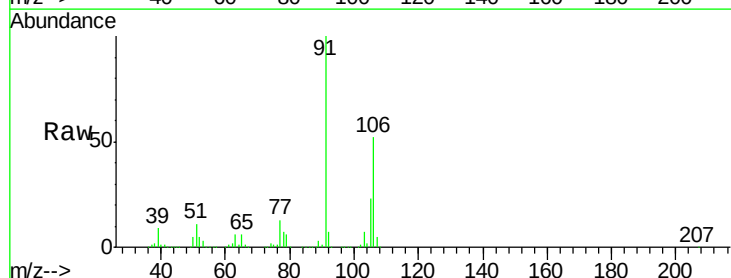
Acq: 19 Nov 2020 12:30

Tgt Ion: 106 Resp: 296933

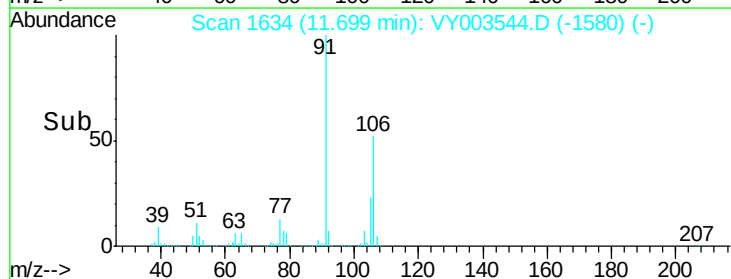
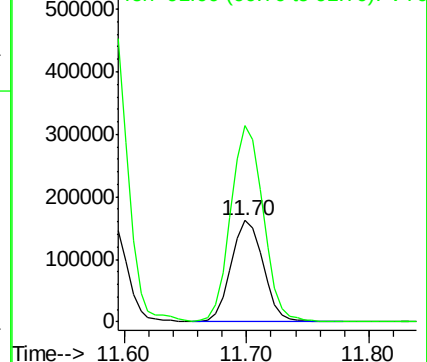
Ion Ratio Lower Upper

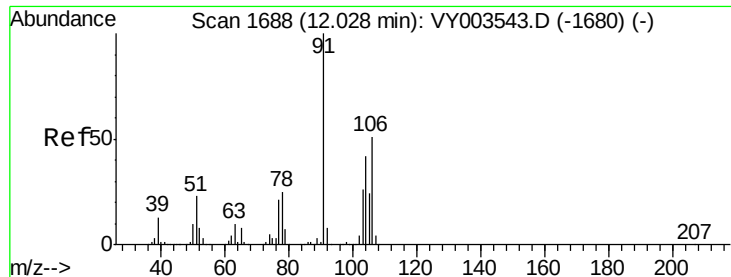
106 100

91 193.2 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): VY003543.D (-1627) (-)





#55

o-xylene

Concen: 51.031 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

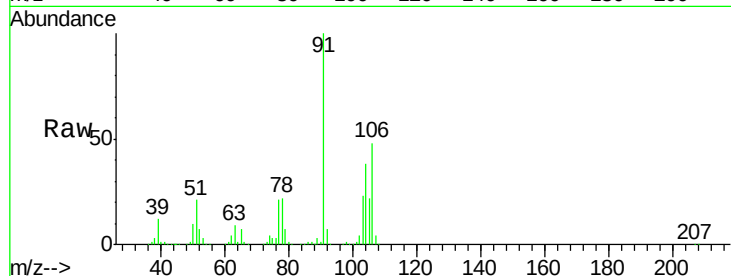
VSTD05079

Tgt Ion:106 Resp: 249473

Ion Ratio Lower Upper

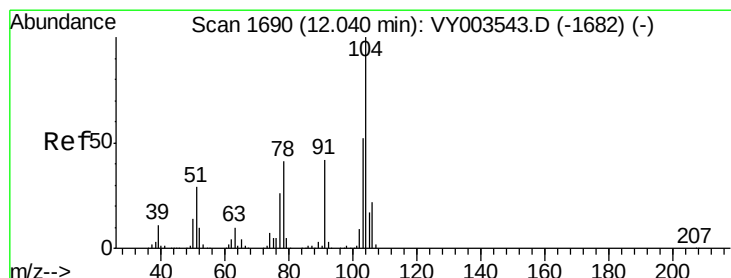
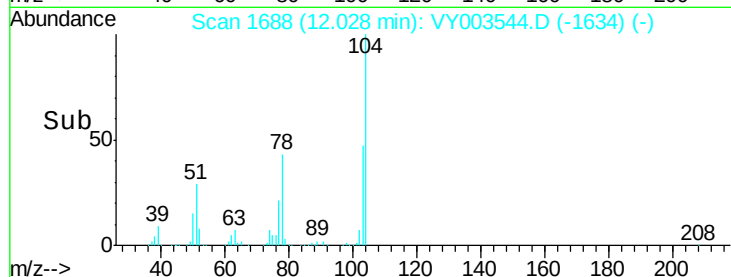
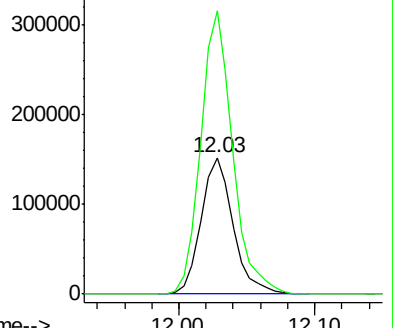
106 100

91 207.7 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 51.907 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003544.D

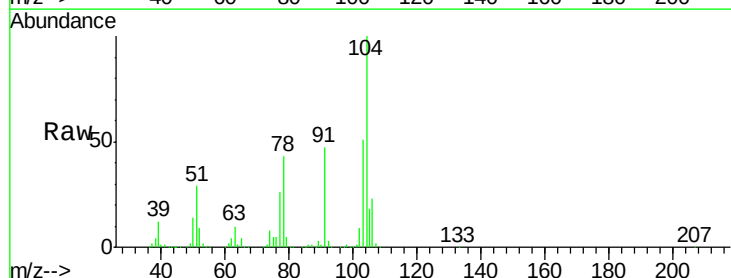
Acq: 19 Nov 2020 12:30

Tgt Ion:104 Resp: 492720

Ion Ratio Lower Upper

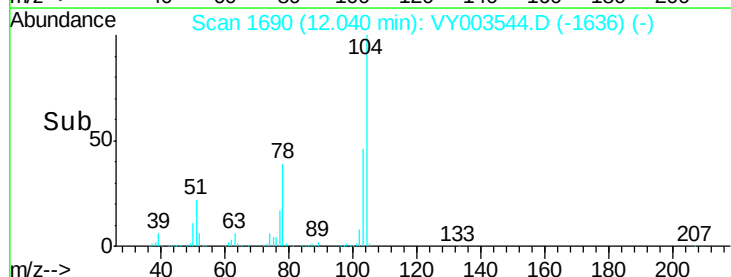
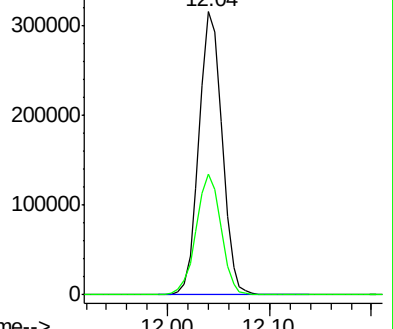
104 100

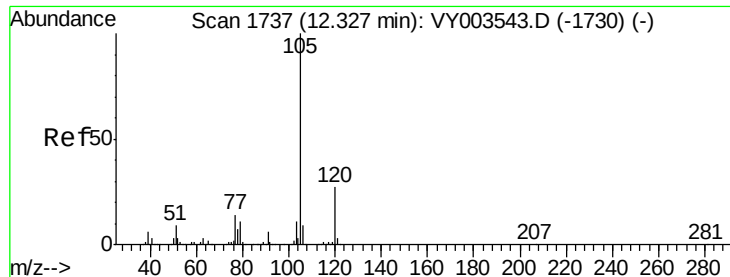
78 42.5 28.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 51.799 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05079

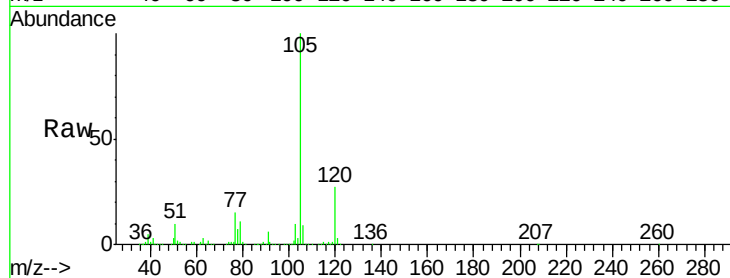
Tgt Ion: 105 Resp: 558098

Ion Ratio Lower Upper

105 100

120 27.6 21.7 32.5

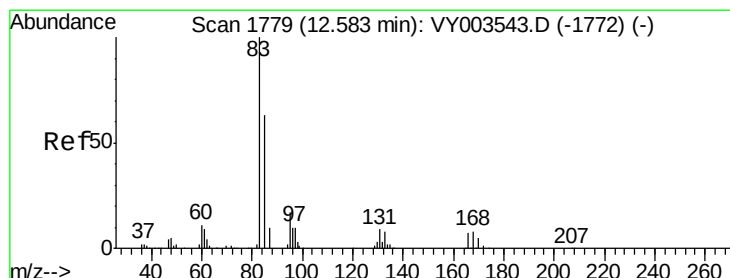
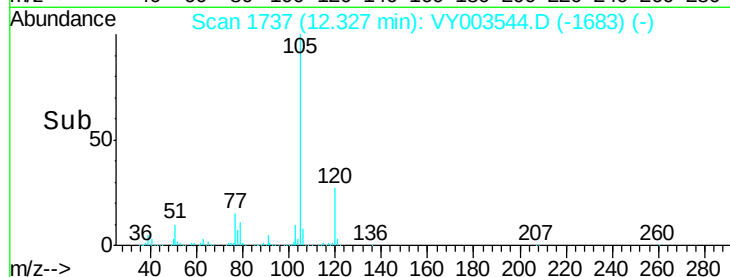
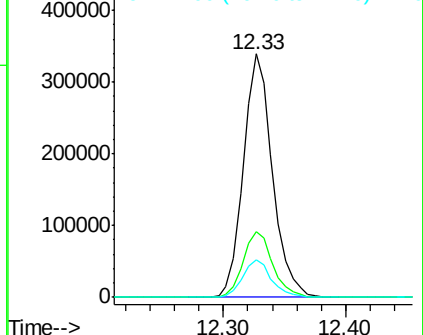
77 15.1 12.1 18.1



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: 51.506 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

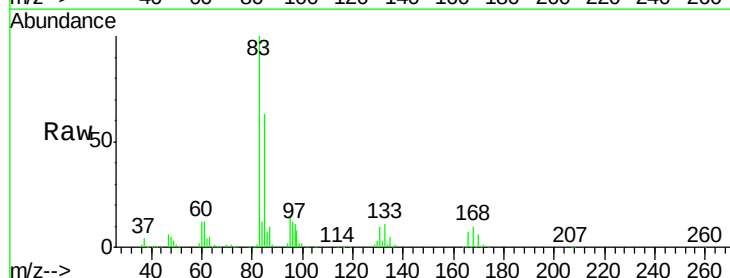
Tgt Ion: 83 Resp: 161829

Ion Ratio Lower Upper

83 100

85 63.2 44.8 83.2

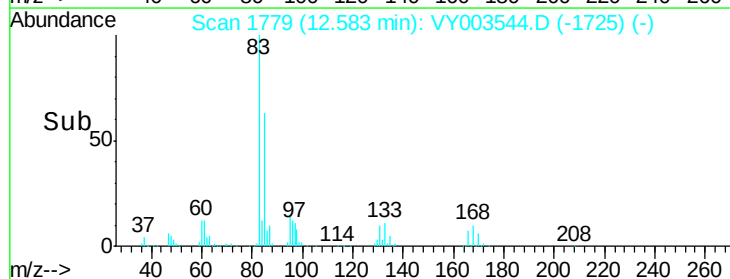
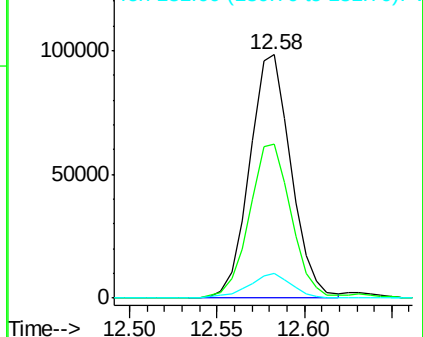
131 10.0 7.3 10.9

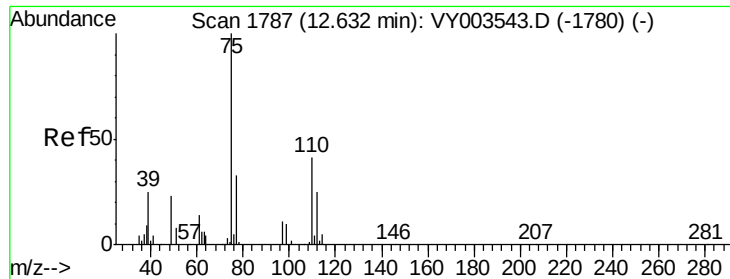


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.705 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

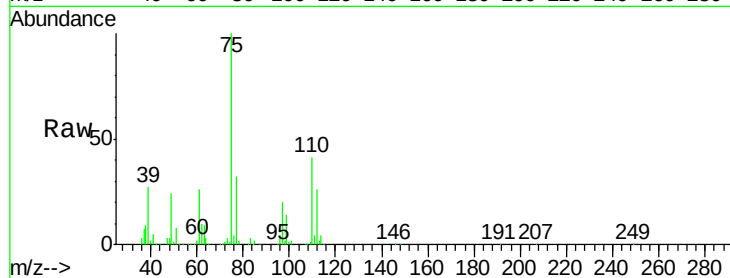
VSTD05079

Tgt Ion: 75 Resp: 124123

Ion Ratio Lower Upper

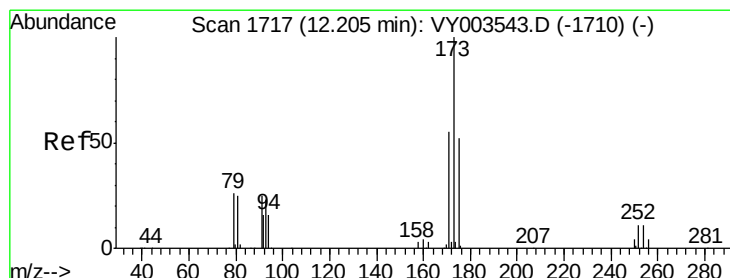
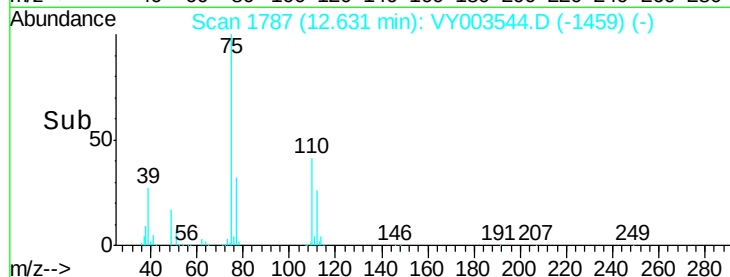
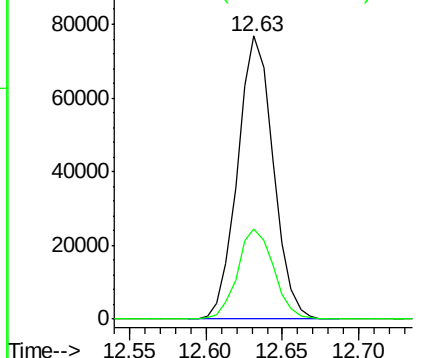
75 100

77 32.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#62

Bromoform

Concen: 47.654 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

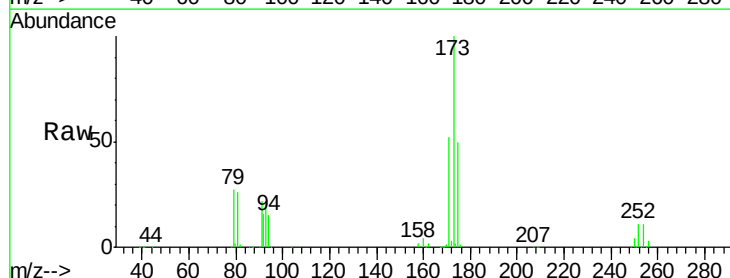
Tgt Ion: 173 Resp: 111612

Ion Ratio Lower Upper

173 100

175 49.2 39.5 59.3

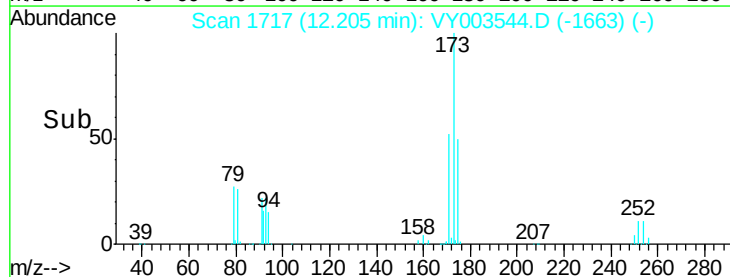
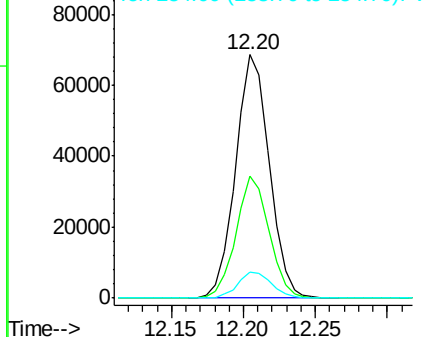
254 10.8 8.6 12.8

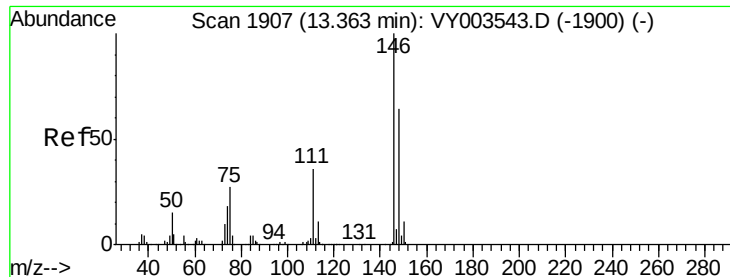


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

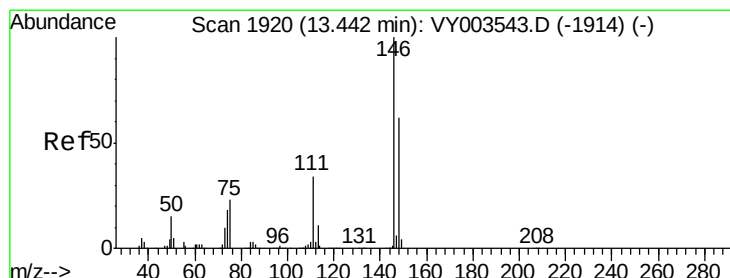
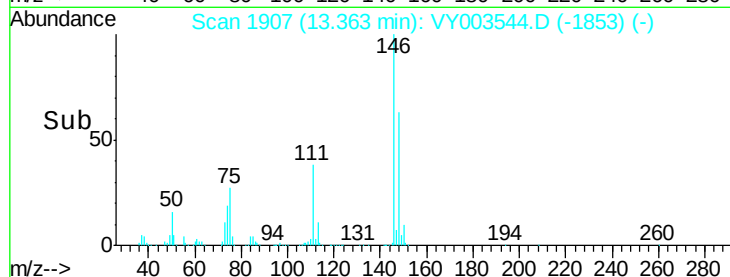
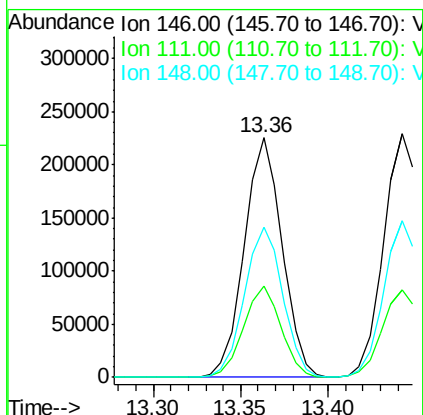
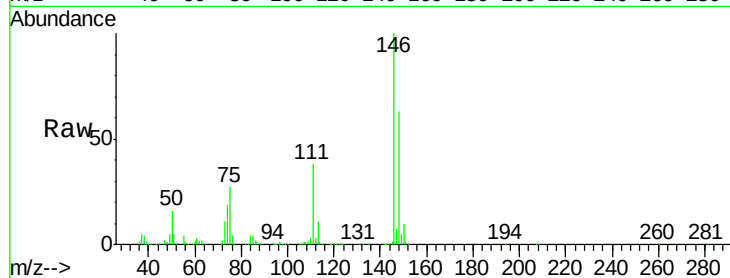




#63
 1,3-Dichlorobenzene
 Concen: 47.246 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003544.D
 Acq: 19 Nov 2020 12:30

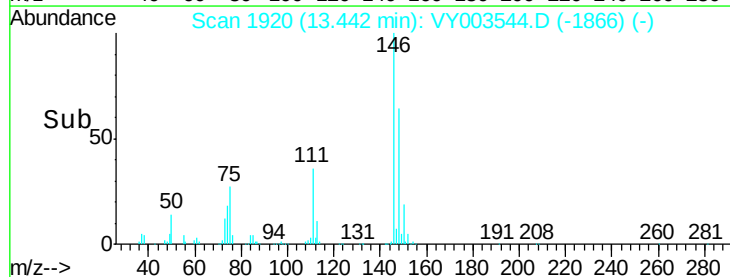
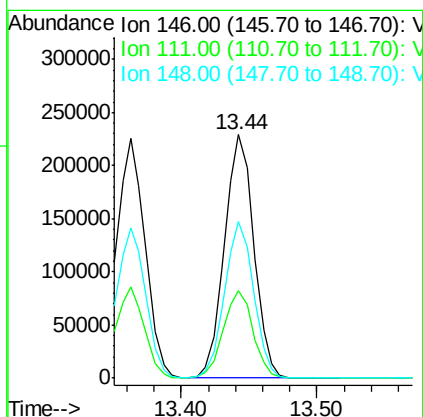
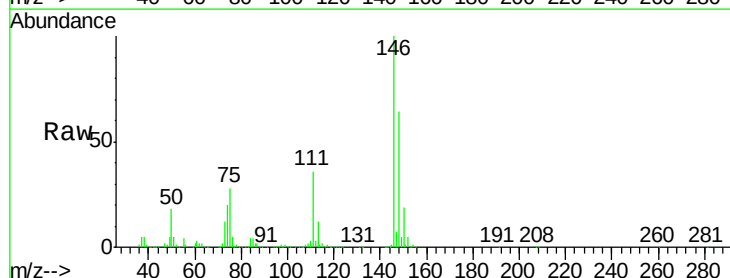
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05079

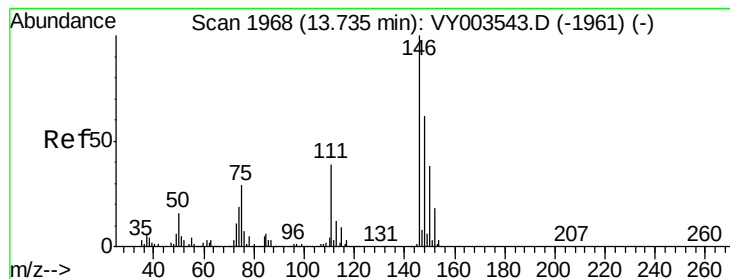
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	25.1	46.5
148	62.7	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 46.625 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003544.D
 Acq: 19 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	24.1	44.8
148	64.1	43.6	81.0





#65

1,2-Dichlorobenzene

Concen: 48.243 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05079

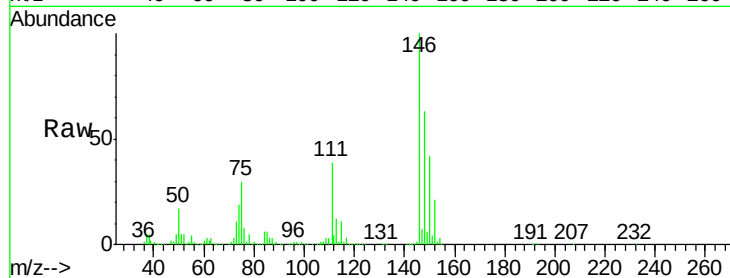
Tgt Ion:146 Resp: 284372

Ion Ratio Lower Upper

146 100

111 39.2 31.0 46.6

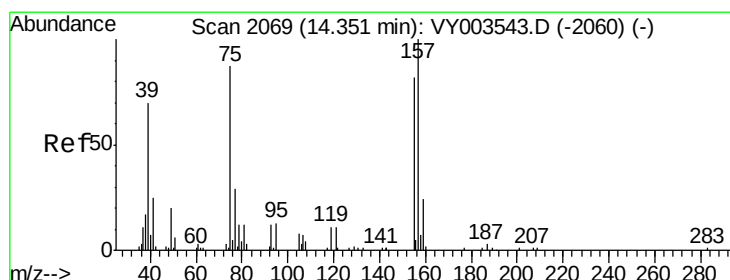
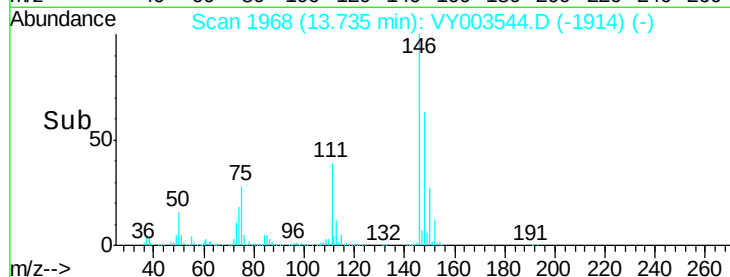
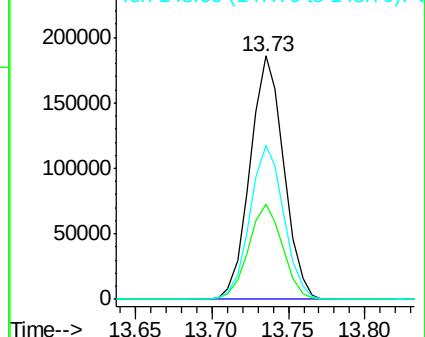
148 63.1 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 52.101 ug/L

RT: 14.35 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

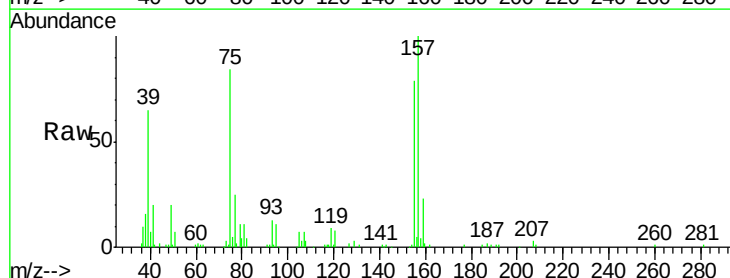
Tgt Ion: 75 Resp: 24110

Ion Ratio Lower Upper

75 100

157 118.9 91.8 137.6

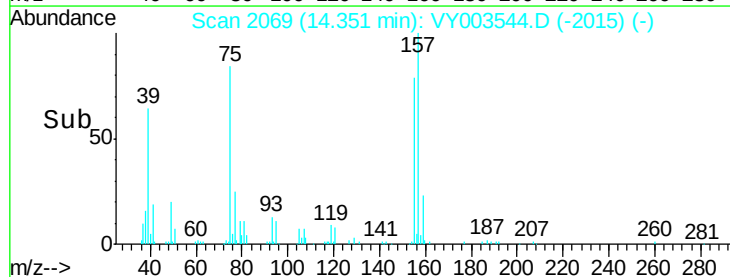
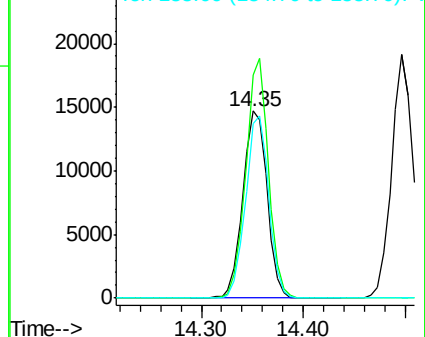
155 93.4 75.7 113.5

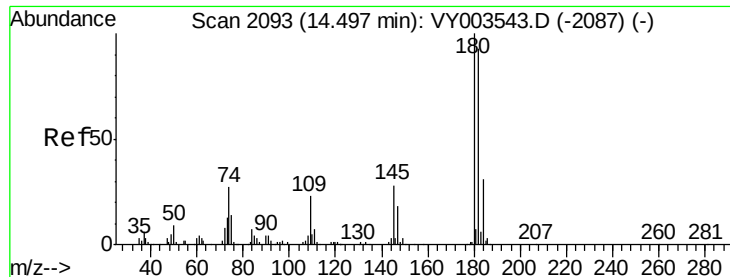


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

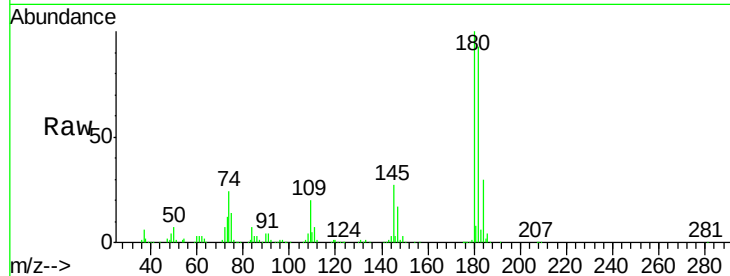




#67
 1,3,5-Trichlorobenzene
 Concen: 49.087 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY003544.D
 Acq: 19 Nov 2020 12:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05079

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.3	115.9
184	29.6	24.4	36.6
145	27.5	22.4	33.6

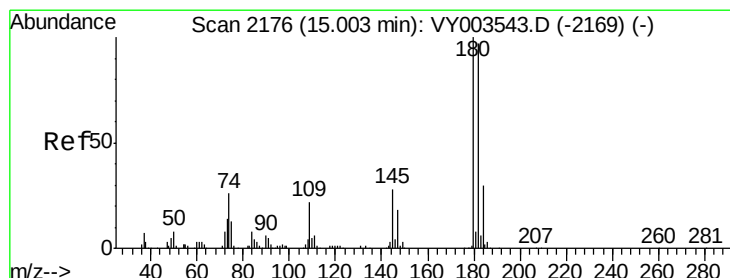
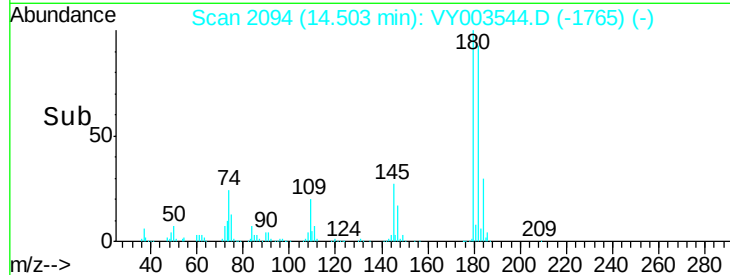
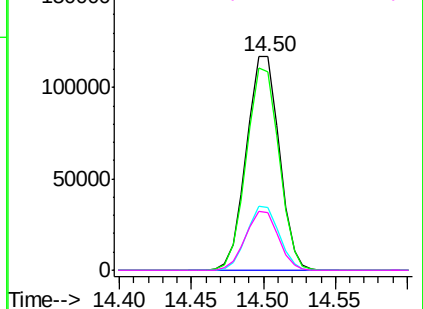


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

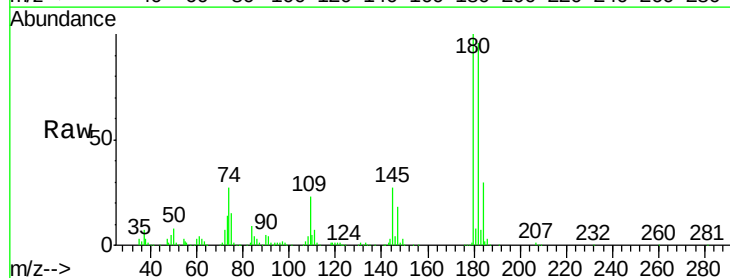
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.434 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003544.D
 Acq: 19 Nov 2020 12:30

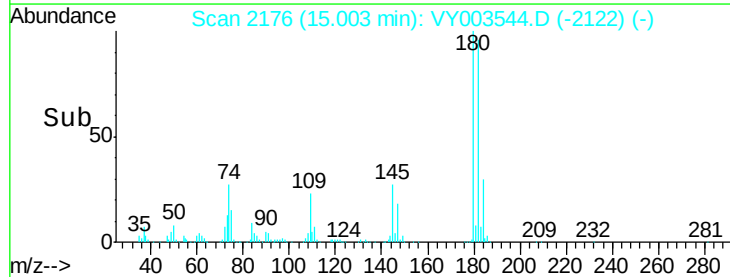
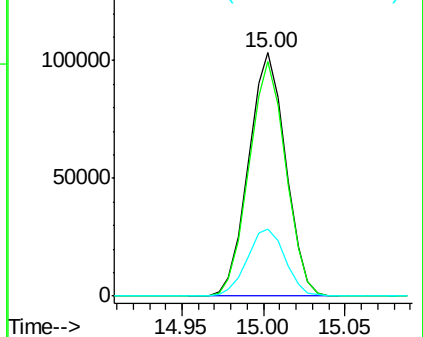
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
145	28.2	22.8	34.2

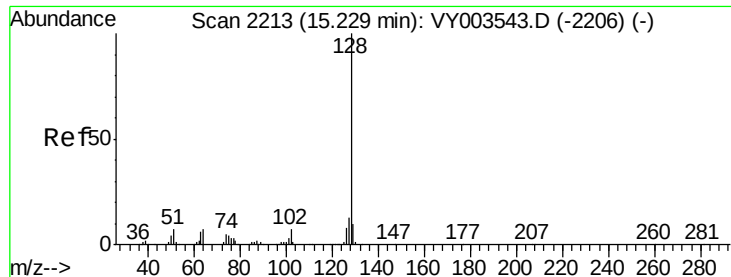


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.774 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05079

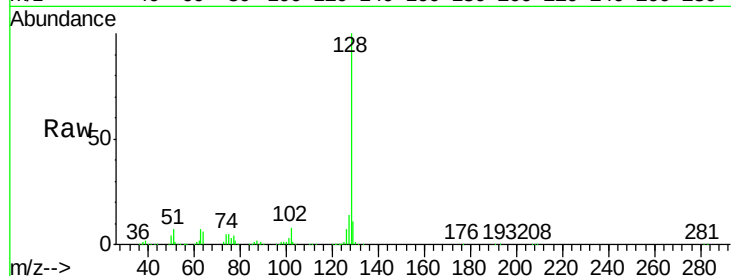
Tgt Ion:128 Resp: 298761

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

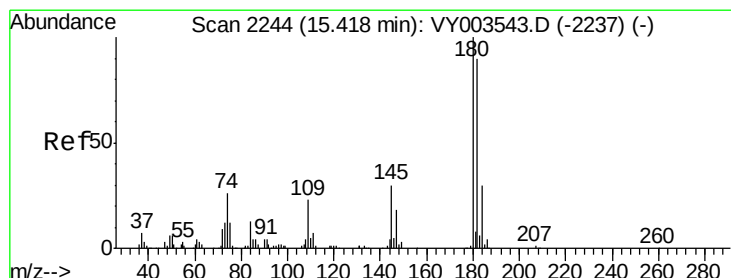
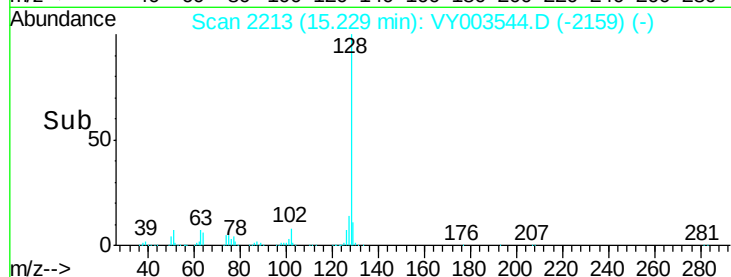
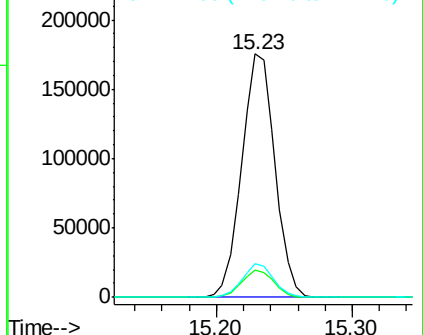
127 13.0 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.980 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY003544.D

Acq: 19 Nov 2020 12:30

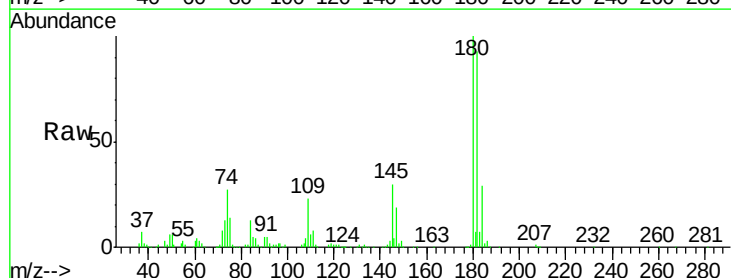
Tgt Ion:180 Resp: 120817

Ion Ratio Lower Upper

180 100

182 94.3 76.5 114.7

145 29.6 25.2 37.8



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

