

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112320\
 Data File : VY003584.D
 Acq On : 23 Nov 2020 10:45
 Operator : SY/MD
 Sample : VSTD00533
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

Quant Time: Nov 23 11:41:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112320SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 23 11:38:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	223591	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	205596	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	102718	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	16296	5.04	ug/L	0.00
7) Chloroethane-d5	2.77	69	13538	5.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	35582	6.01	ug/L	0.00
21) 2-Butanone-d5	6.90	46	12790	11.18	ug/L	0.00
24) Chloroform-d	7.48	84	32677	6.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	17572	5.34	ug/L	0.00
32) Benzene-d6	8.11	84	66700	5.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	20213	5.73	ug/L	0.00
41) Toluene-d8	10.17	98	58374	5.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	9191	5.45	ug/L	0.00
47) 2-Hexanone-d5	10.78	63	8805	10.35	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	16946	5.42	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	17915	4.69	ug/L	0.00

Target Compounds

					Qvalue
3) Chloromethane	2.11	50	11611	2.870 ug/L	99
5) Vinyl chloride	2.26	62	16424	3.572 ug/L	97
6) Bromomethane	2.66	94	11857	4.306 ug/L	97
8) Chloroethane	2.80	64	10133	3.964 ug/L	95
9) Trichlorofluoromethane	3.13	101	11188	2.260 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	15174	4.701 ug/L	94
12) 1,1-Dichloroethene	3.87	96	16654	5.392 ug/L	94
13) Acetone	3.96	43	9330	11.769 ug/L	98
14) Carbon disulfide	4.20	76	52239	4.826 ug/L	97
15) Methyl Acetate	4.49	43	12703	6.573 ug/L #	57
16) Methylene chloride	4.72	84	25657	6.622 ug/L	90
17) trans-1,2-Dichloroethene	5.22	96	17288	5.192 ug/L	97
18) Methyl tert-butyl Ether	5.22	73	25340	3.378 ug/L #	81
19) 1,1-Dichloroethane	6.02	63	29239	5.029 ug/L	96
20) cis-1,2-Dichloroethene	6.99	96	18137	5.201 ug/L	99
22) 2-Butanone	7.00	43	14762	11.509 ug/L	99
23) Bromochloromethane	7.33	128	8494	5.048 ug/L	92
25) Chloroform	7.51	83	28782	4.351 ug/L	96
27) 1,2-Dichloroethane	8.24	62	18746	4.664 ug/L	99
29) Cyclohexane	7.78	56	23709	4.405 ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	22271	4.325 ug/L	99
31) Carbon tetrachloride	7.90	117	21749	4.661 ug/L	97
33) Benzene	8.16	78	68051	5.249 ug/L	100
34) Trichloroethene	8.94	95	16718	4.856 ug/L	94
35) Methylcyclohexane	9.18	83	25136	4.400 ug/L	98
37) 1,2-Dichloropropane	9.21	63	17407	5.322 ug/L	97
38) Bromodichloromethane	9.50	83	21629	5.042 ug/L #	99
39) cis-1,3-Dichloropropene	9.92	75	25522	4.914 ug/L	98
40) 4-Methyl-2-pentanone	10.07	43	26147	9.854 ug/L	100
42) Toluene	10.24	91	70526	5.035 ug/L	98

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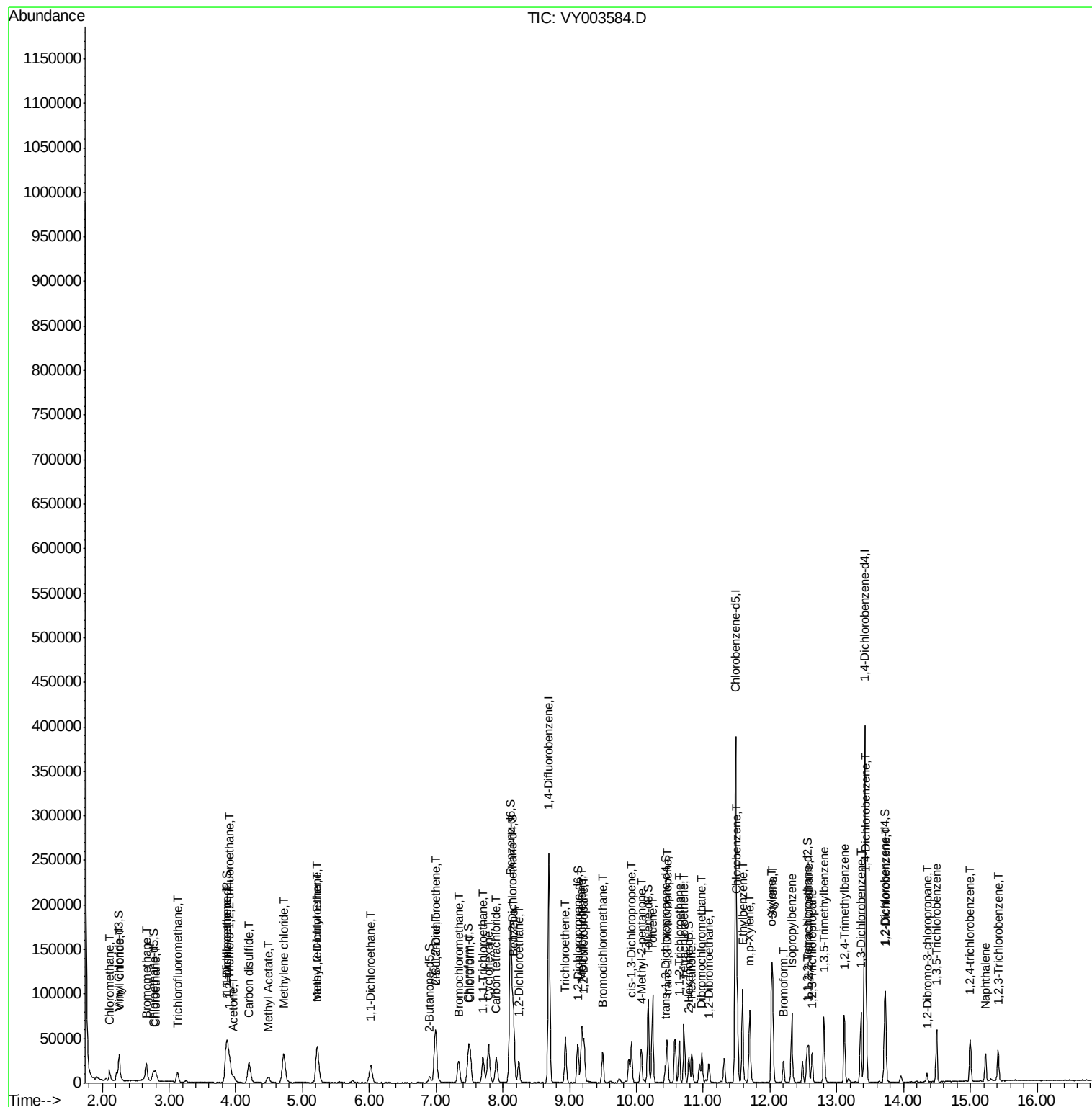
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.46	75	23412	4.922	ug/L	96
45) 1,1,2-Trichloroethane	10.64	97	13976	5.393	ug/L	97
46) Tetrachloroethene	10.72	164	14547	4.734	ug/L	95
48) 2-Hexanone	10.83	43	21273	11.109	ug/L	95
49) Dibromochloromethane	10.98	129	16115	5.079	ug/L	91
50) 1,2-Dibromoethane	11.08	107	13599	5.466	ug/L	94
51) Chlorobenzene	11.51	112	45463	4.984	ug/L	98
52) Ethylbenzene	11.59	91	70609	4.596	ug/L	100
53) m,p-Xylene	11.70	106	26877	4.575	ug/L	93
54) o-Xylene	12.02	106	23458	4.217	ug/L	96
55) Styrene	12.04	104	44191	4.520	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.58	83	16658	5.430	ug/L #	96
59) Bromoform	12.20	173	10638	5.154	ug/L	99
60) Isopropylbenzene	12.33	105	50392	3.717	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	12791	5.646	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	36632	3.330	ug/L	100
63) 1,2,4-Trimethylbenzene	13.11	105	38586	3.659	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	32502	4.702	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	35350	5.046	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	27993	4.485	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.36	75	2104	3.989	ug/L	92
69) 1,3,5-Trichlorobenzene	14.50	180	17688	3.588	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	14198	3.438	ug/L	97
71) Naphthalene	15.23	128	25085	3.367	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	11560	3.303	ug/L	97

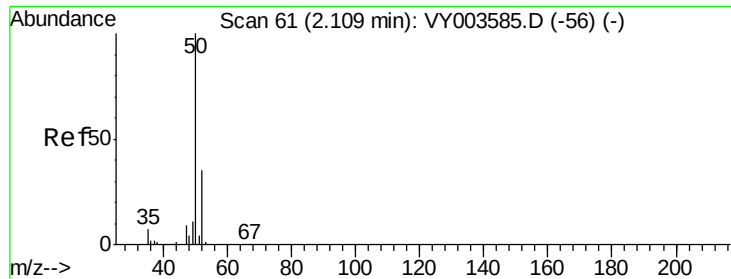
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.870 ug/L

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

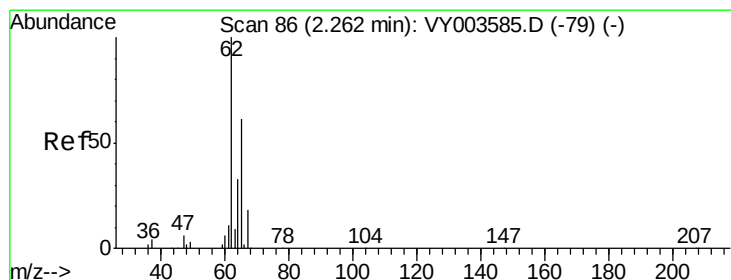
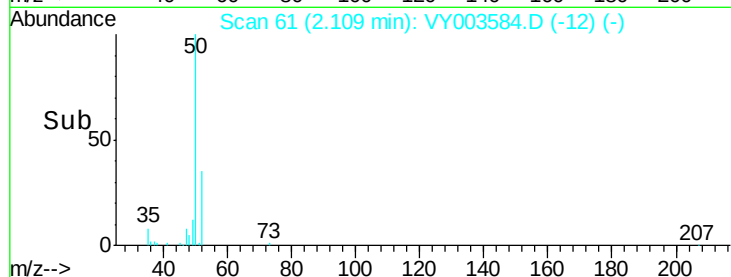
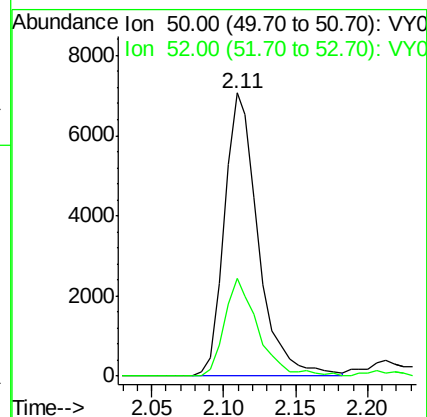
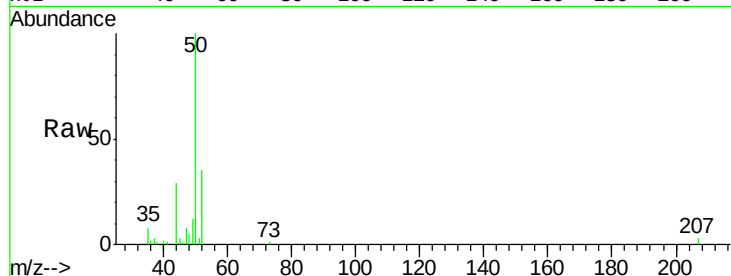
VSTD005403

Tgt Ion: 50 Resp: 11611

Ion Ratio Lower Upper

50 100

52 34.5 24.4 45.4



#5

Vinyl chloride

Concen: 3.572 ug/L

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY003584.D

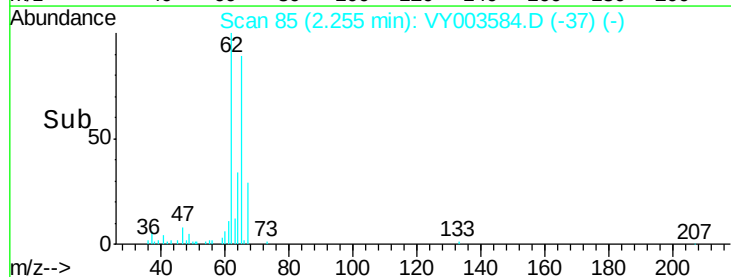
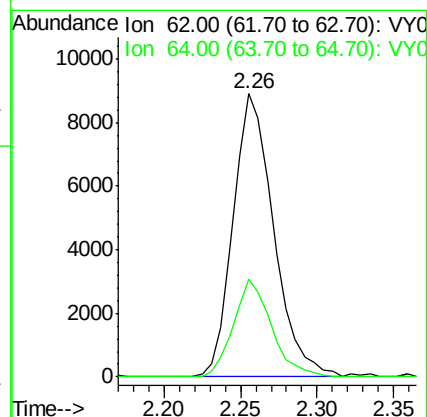
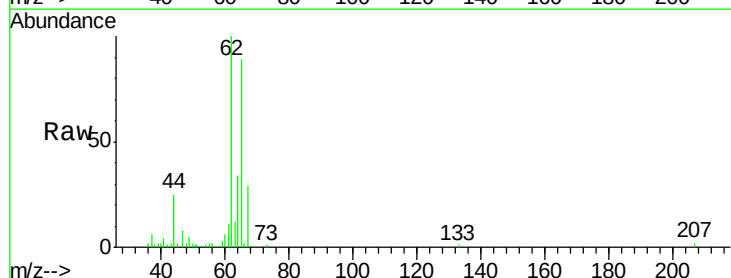
Acq: 23 Nov 2020 10:45

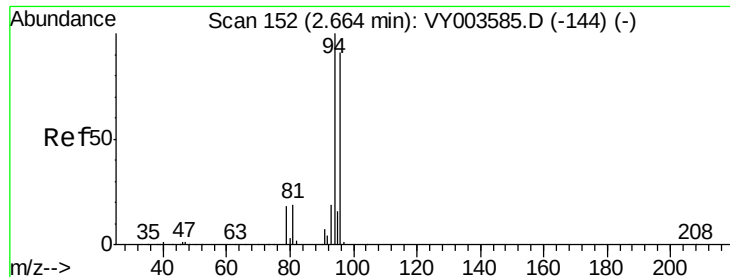
Tgt Ion: 62 Resp: 16424

Ion Ratio Lower Upper

62 100

64 34.3 23.0 42.6





#6

Bromomethane

Concen: 4.306 ug/L

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

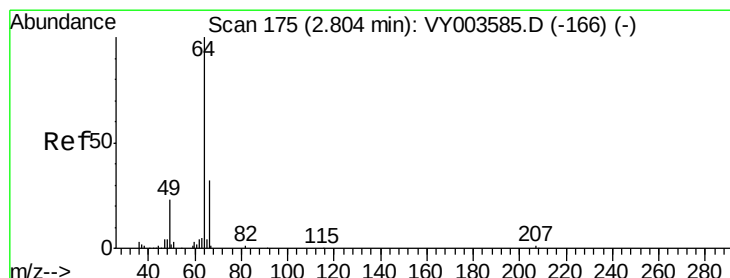
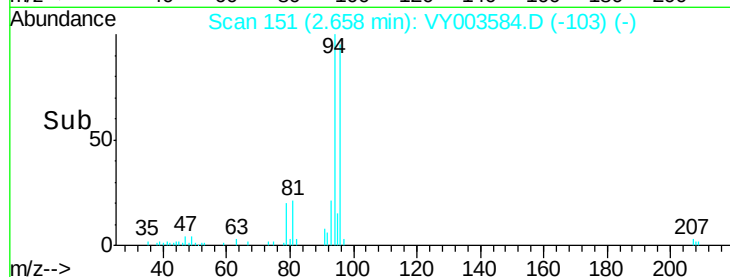
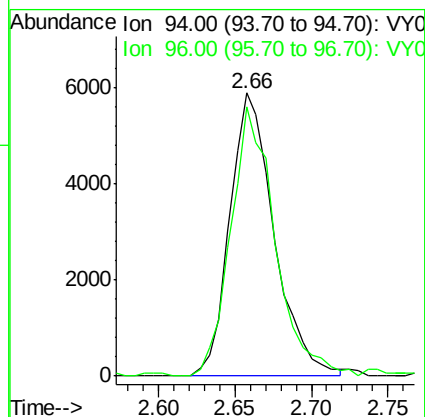
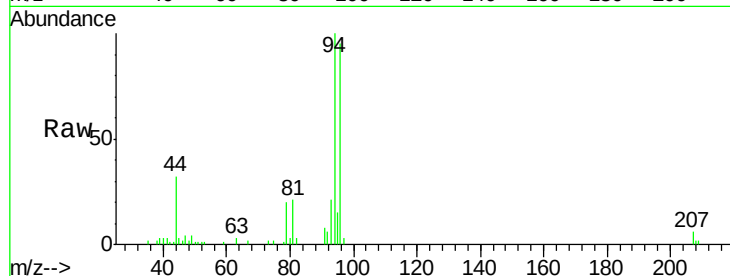
VSTD005403

Tgt Ion: 94 Resp: 11857

Ion Ratio Lower Upper

94 100

96 94.9 64.5 119.7



#8

Chloroethane

Concen: 3.964 ug/L

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY003584.D

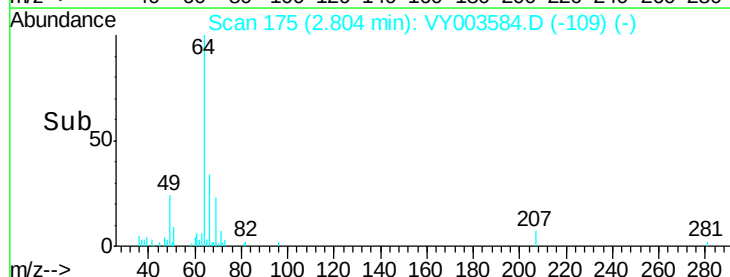
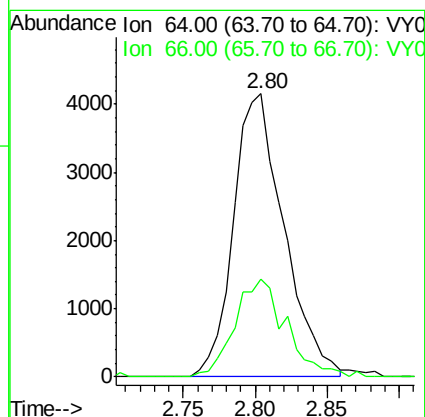
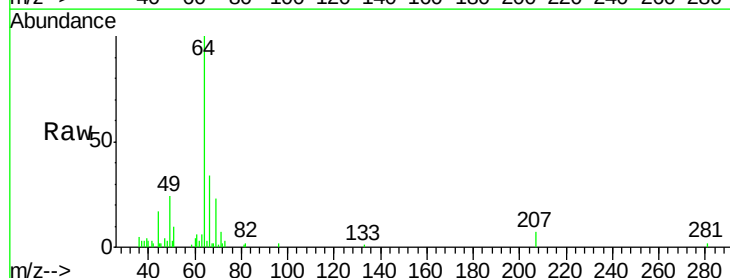
Acq: 23 Nov 2020 10:45

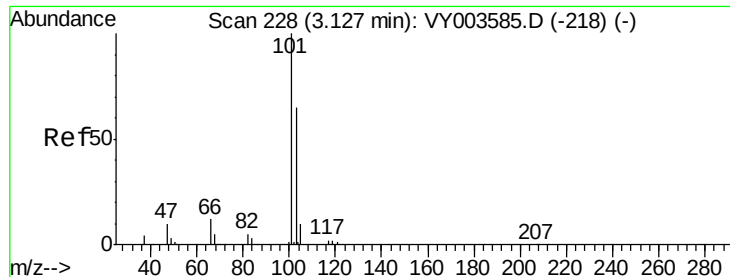
Tgt Ion: 64 Resp: 10133

Ion Ratio Lower Upper

64 100

66 34.3 22.2 41.2



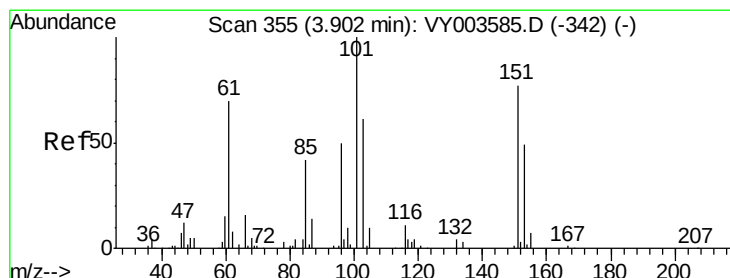
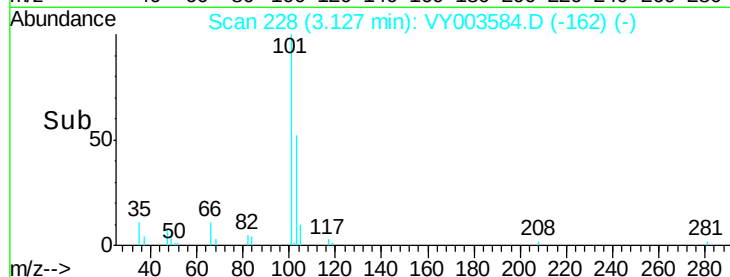
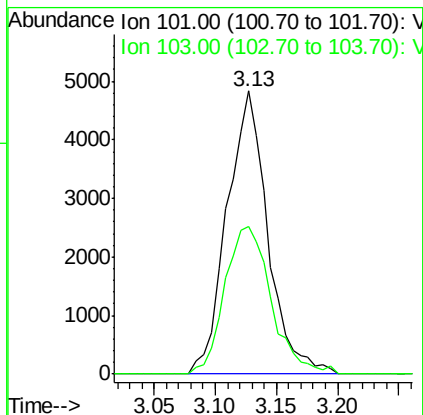
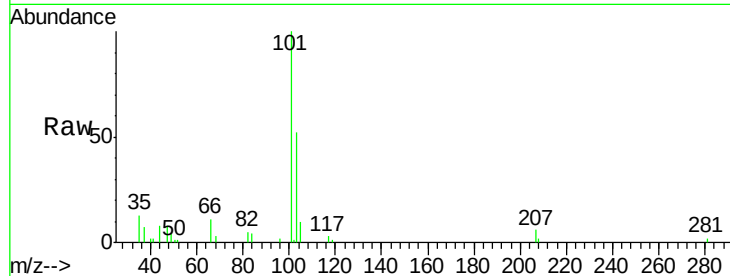


#9

Trichlorofluoromethane
Concen: 2.260 ug/L
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY003584.D
Acq: 23 Nov 2020 10:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTD005403

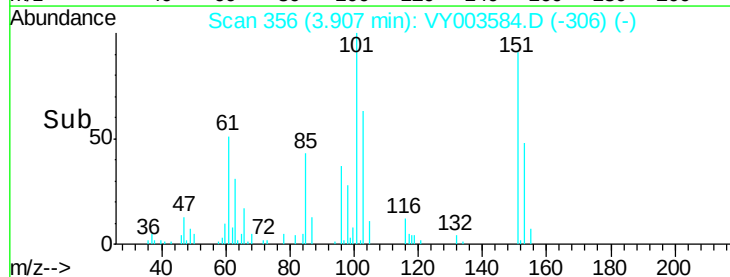
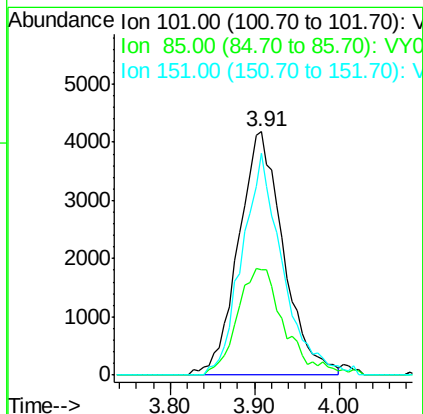
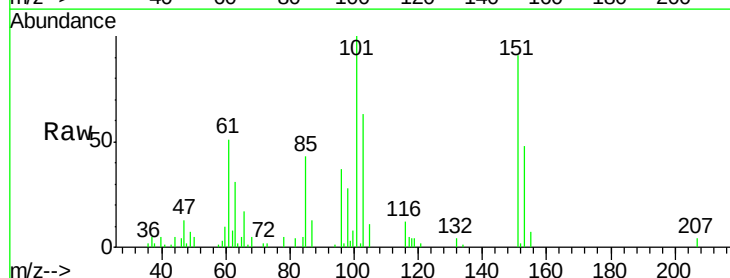
Tgt Ion:101 Resp: 11188
Ion Ratio Lower Upper
101 100
103 59.2 54.0 81.0

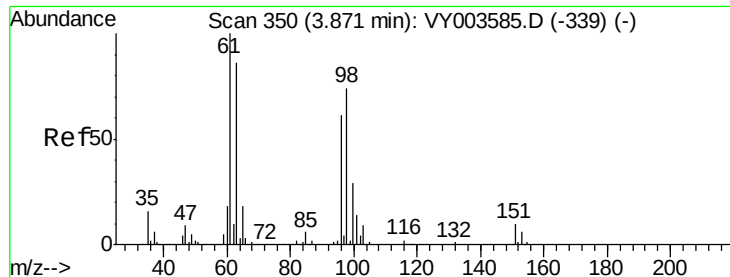


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.701 ug/L
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY003584.D
Acq: 23 Nov 2020 10:45

Tgt Ion:101 Resp: 15174
Ion Ratio Lower Upper
101 100
85 39.2 34.1 51.1
151 81.5 60.6 90.8





#12

1,1-Dichloroethene

Concen: 5.392 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005403

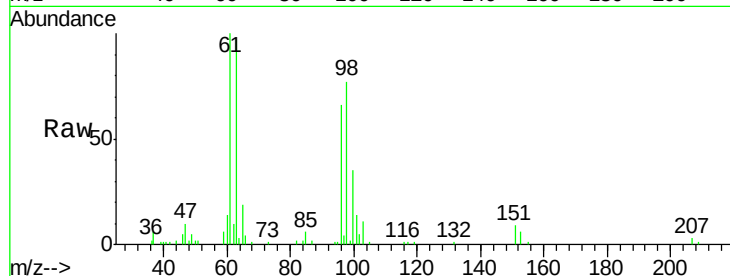
Tgt Ion: 96 Resp: 16654

Ion Ratio Lower Upper

96 100

61 150.9 114.5 212.7

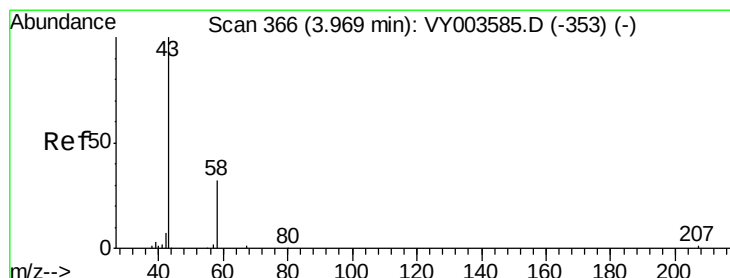
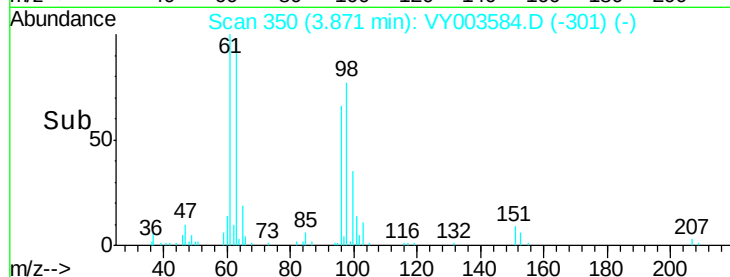
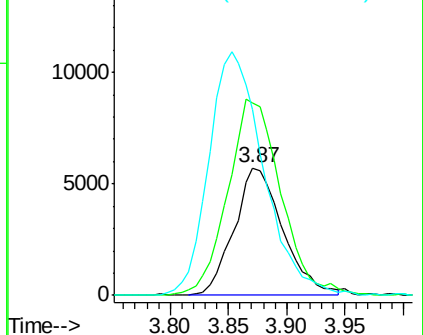
63 146.4 100.8 187.2



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): VY0



#13

Acetone

Concen: 11.769 ug/L

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY003584.D

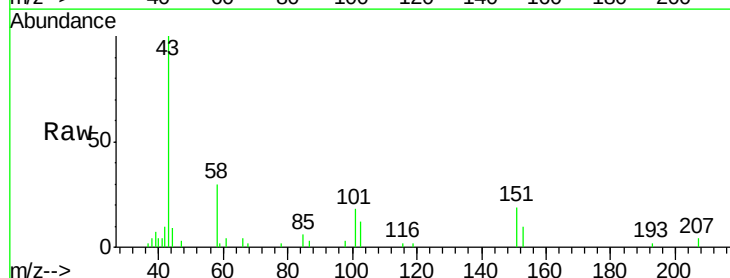
Acq: 23 Nov 2020 10:45

Tgt Ion: 43 Resp: 9330

Ion Ratio Lower Upper

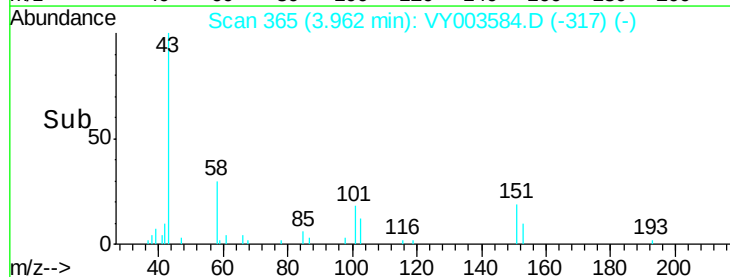
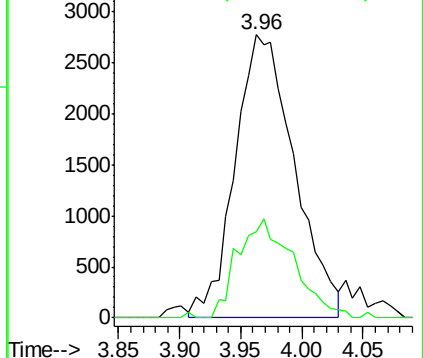
43 100

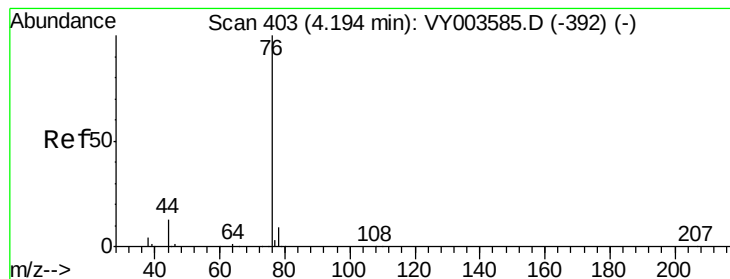
58 32.8 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#14

Carbon disulfide

Concen: 4.826 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

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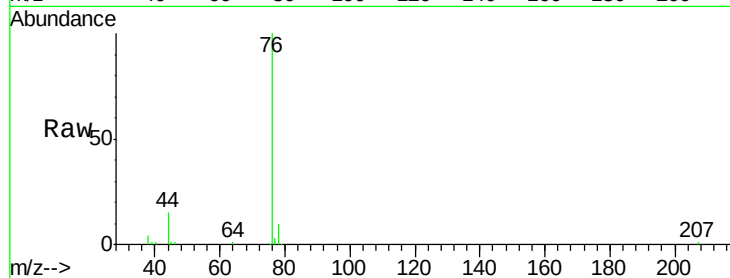
VSTD005403

Tgt Ion: 76 Resp: 52239

Ion Ratio Lower Upper

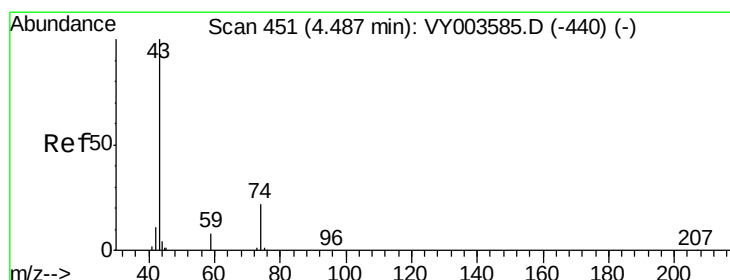
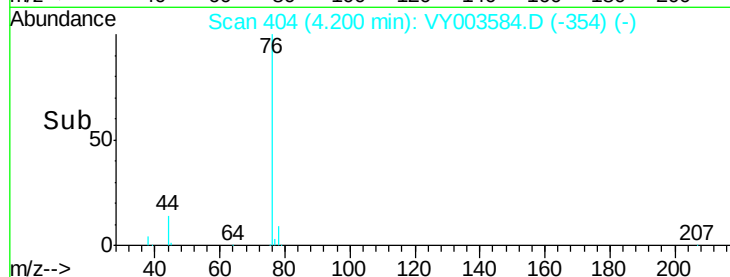
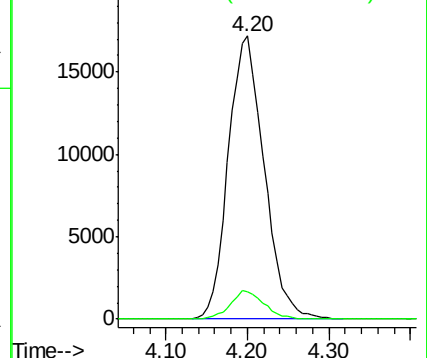
76 100

78 9.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0



#15

Methyl Acetate

Concen: 6.573 ug/L

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003584.D

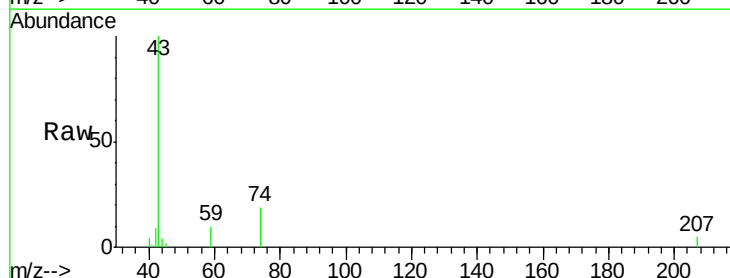
Acq: 23 Nov 2020 10:45

Tgt Ion: 43 Resp: 12703

Ion Ratio Lower Upper

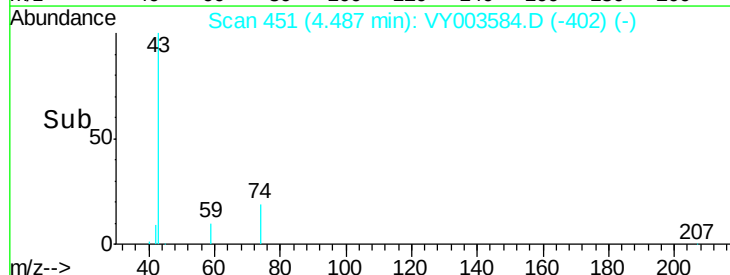
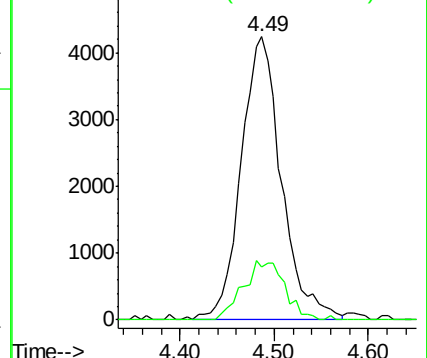
43 100

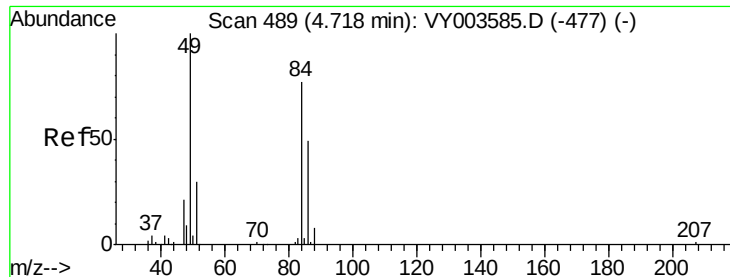
74 1.9 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

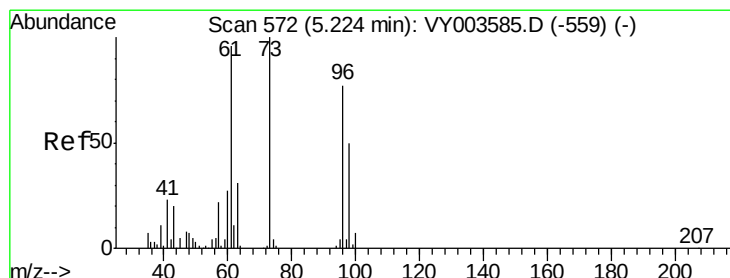
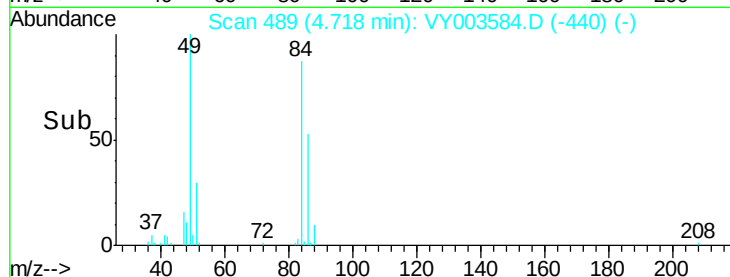
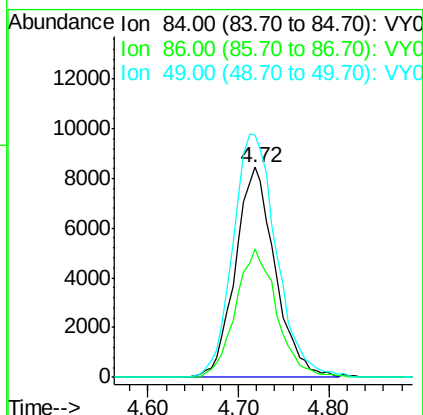
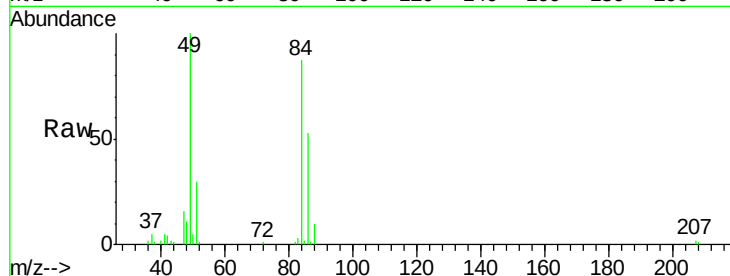




#16
Methylene chloride
Concen: 6.622 ug/L
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY003584.D
Acq: 23 Nov 2020 10:45

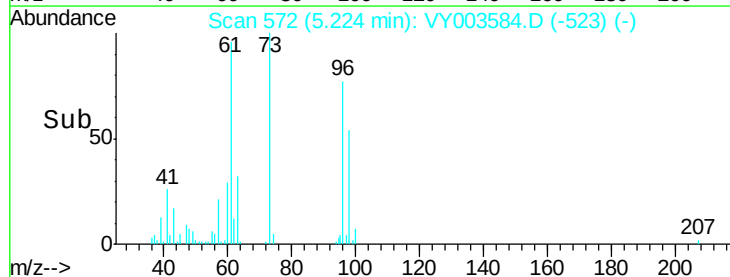
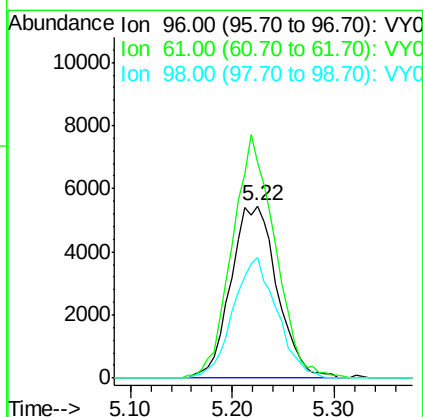
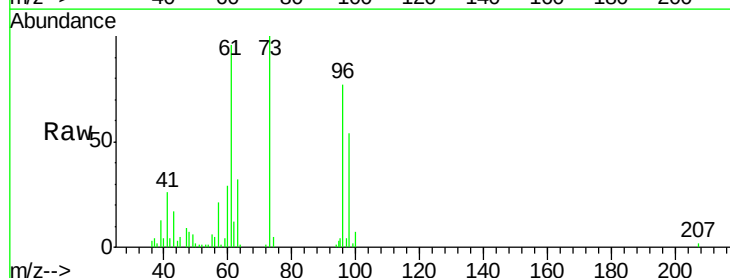
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005403

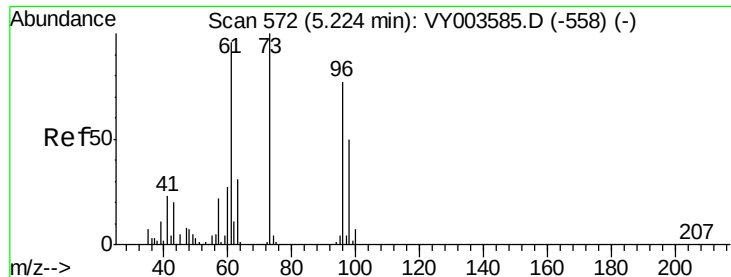
Tgt Ion: 84 Resp: 25657
Ion Ratio Lower Upper
84 100
86 60.9 45.2 84.0
49 115.3 91.5 169.9



#17
trans-1,2-Dichloroethene
Concen: 5.192 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003584.D
Acq: 23 Nov 2020 10:45

Tgt Ion: 96 Resp: 17288
Ion Ratio Lower Upper
96 100
61 125.0 87.2 161.9
98 70.1 45.2 84.0

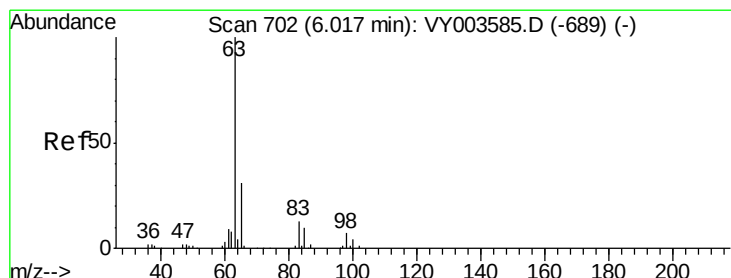
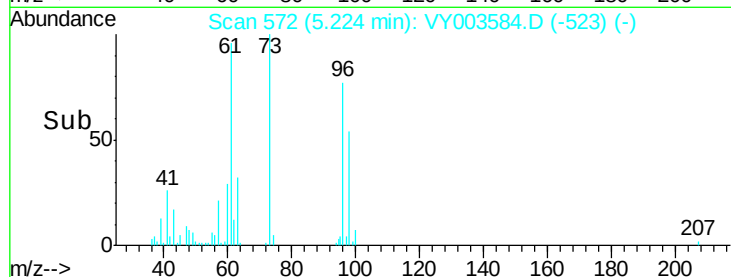
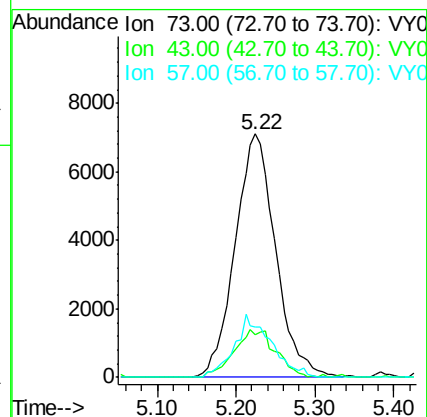
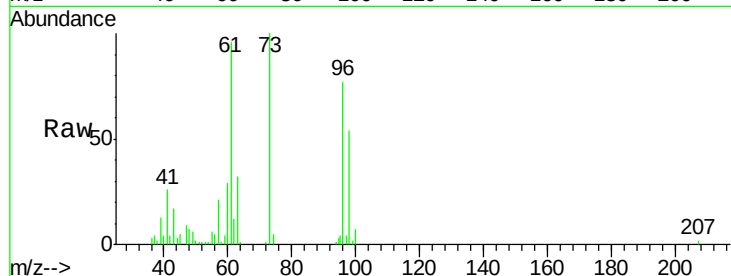




#18
Methyl tert-butyl Ether
Concen: 3.378 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003584.D
Acq: 23 Nov 2020 10:45

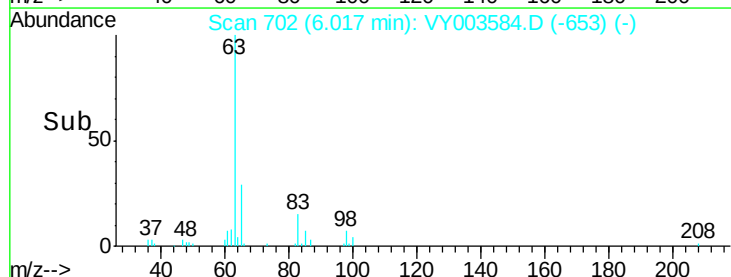
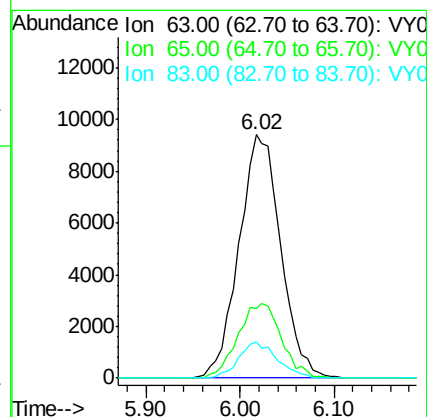
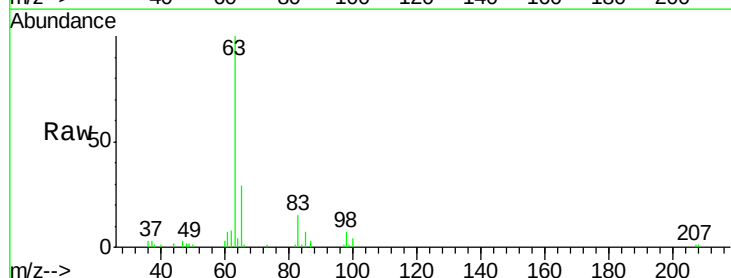
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005403

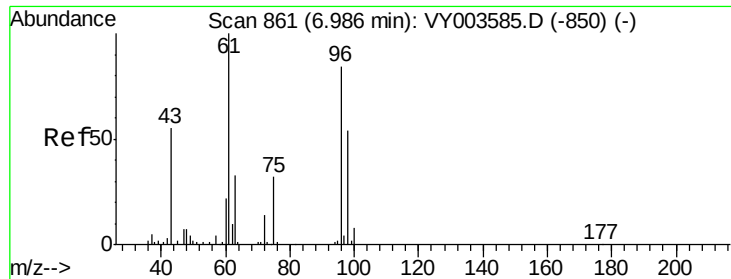
Tgt Ion: 73 Resp: 25340
Ion Ratio Lower Upper
73 100
43 11.1 15.5 23.3#
57 13.2 18.2 27.4#



#19
1,1-Dichloroethane
Concen: 5.029 ug/L
RT: 6.02 min Scan# 702
Delta R.T. -0.00 min
Lab File: VY003584.D
Acq: 23 Nov 2020 10:45

Tgt Ion: 63 Resp: 29239
Ion Ratio Lower Upper
63 100
65 28.8 21.7 40.3
83 14.9 8.9 16.5

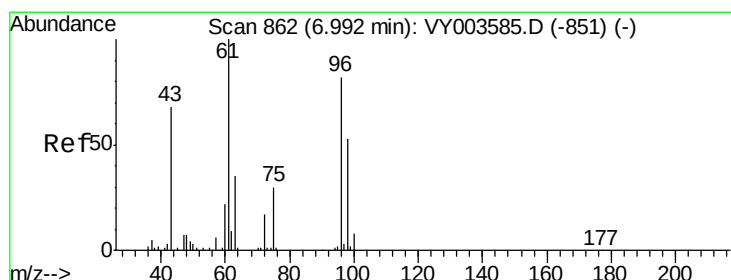
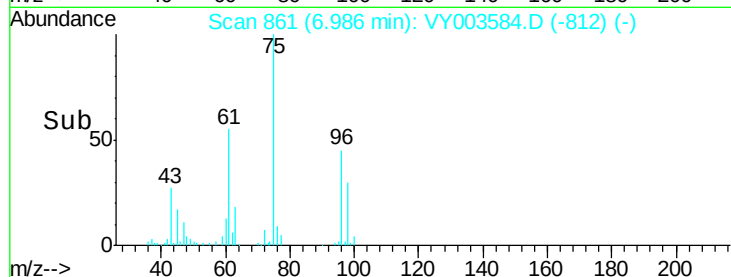
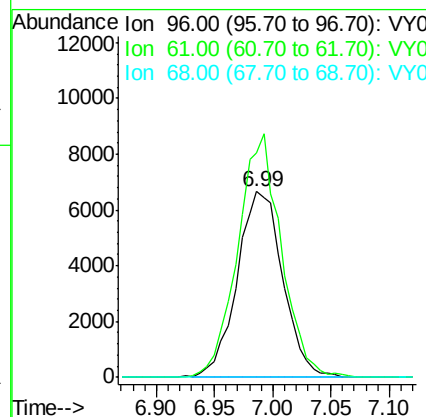
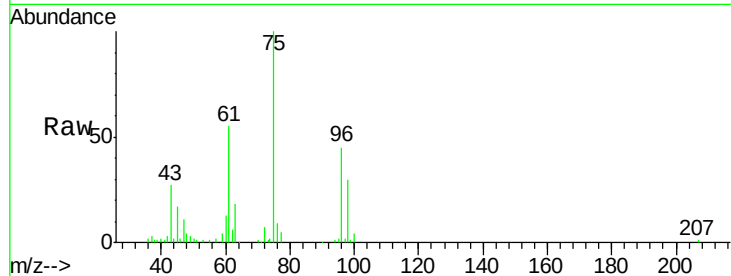




#20
 cis-1,2-Dichloroethene
 Concen: 5.201 ug/L
 RT: 6.99 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

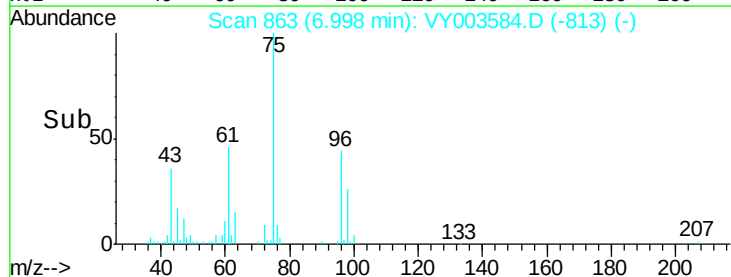
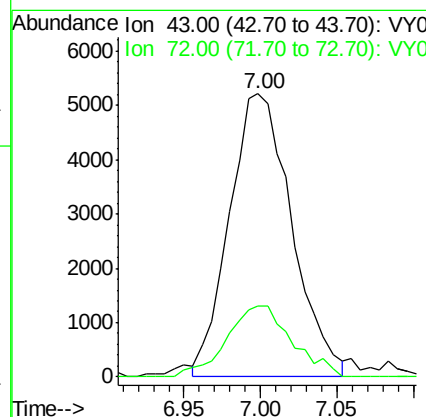
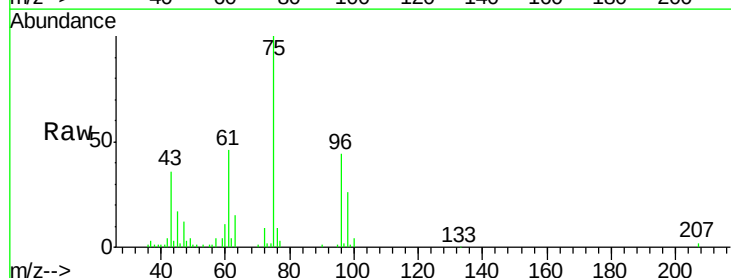
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

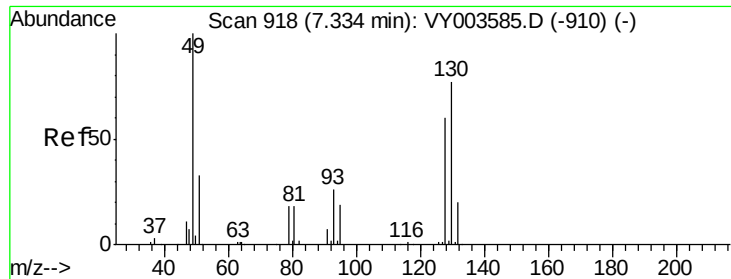
Tgt Ion: 96 Resp: 18137
 Ion Ratio Lower Upper
 96 100
 61 121.1 83.7 155.4
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 11.509 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Tgt Ion: 43 Resp: 14762
 Ion Ratio Lower Upper
 43 100
 72 26.4 13.0 38.9





#23

Bromochloromethane

Concen: 5.048 ug/L

RT: 7.33 min Scan# 918

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005403

Tgt Ion:128 Resp: 8494

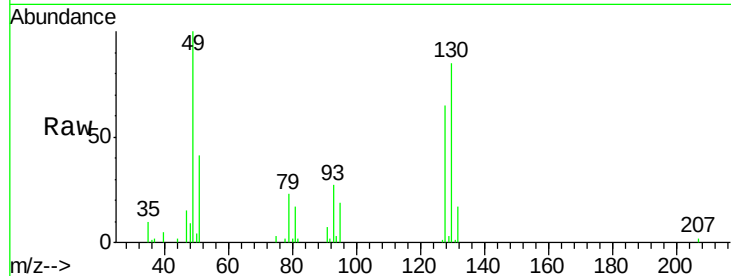
Ion Ratio Lower Upper

128 100

49 154.0 117.1 217.5

130 130.6 89.4 166.0

51 63.4 43.3 64.9

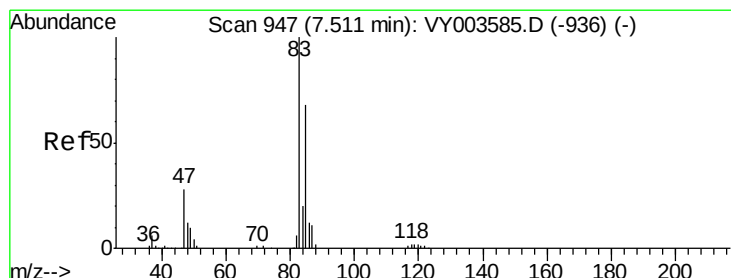
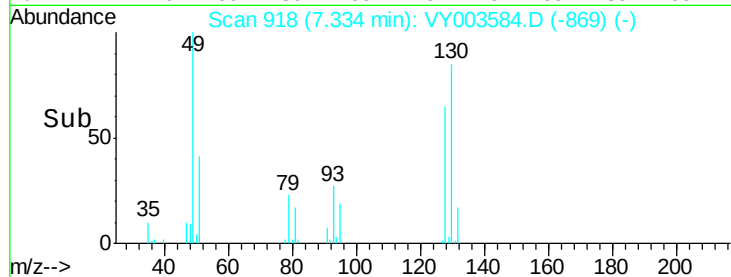
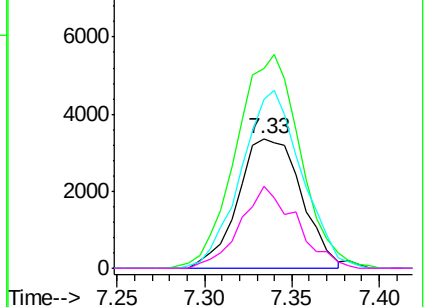


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0



#25

Chloroform

Concen: 4.351 ug/L

RT: 7.51 min Scan# 947

Delta R.T. -0.00 min

Lab File: VY003584.D

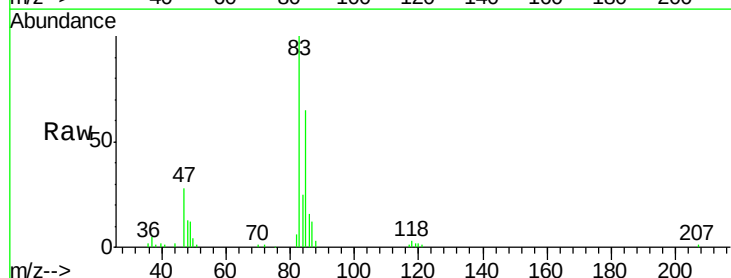
Acq: 23 Nov 2020 10:45

Tgt Ion: 83 Resp: 28782

Ion Ratio Lower Upper

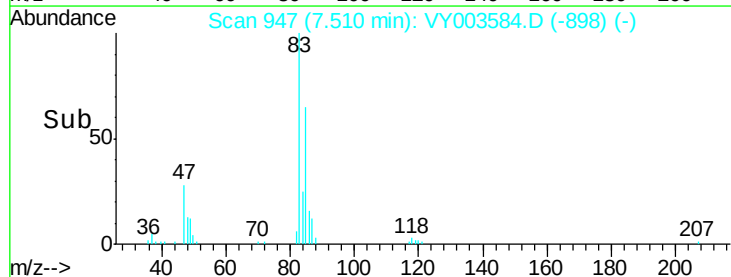
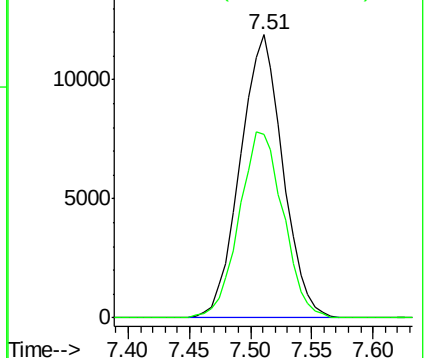
83 100

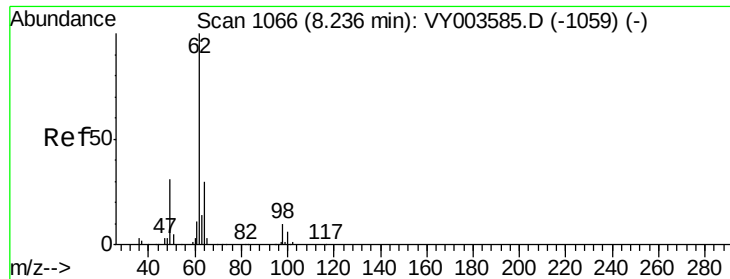
85 64.7 47.4 88.0



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

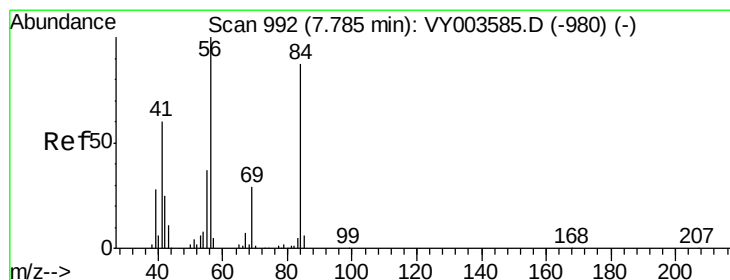
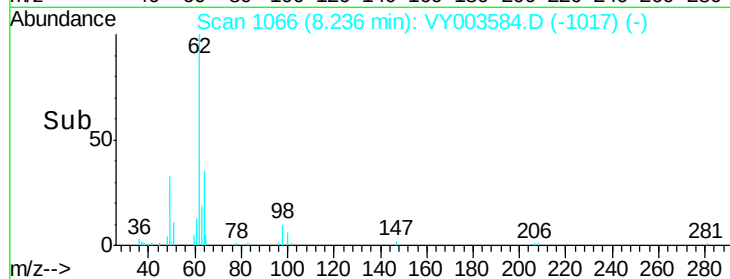
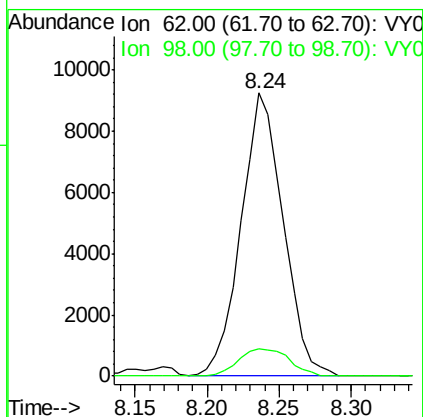
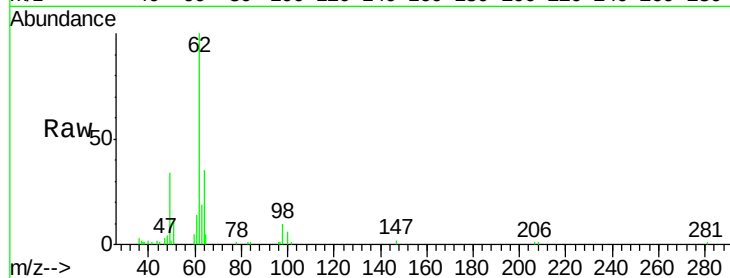




#27
 1,2-Dichloroethane
 Concen: 4.664 ug/L
 RT: 8.24 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

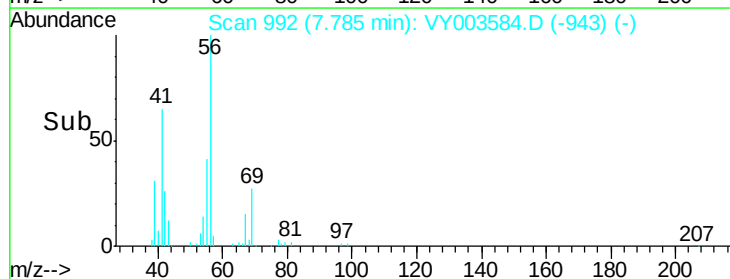
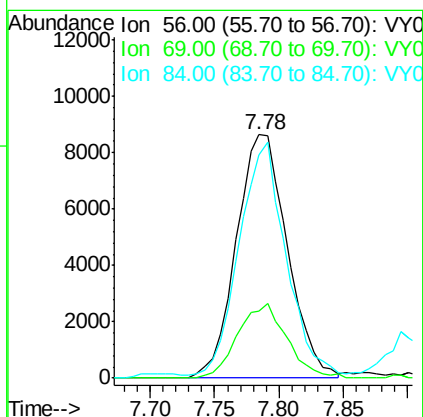
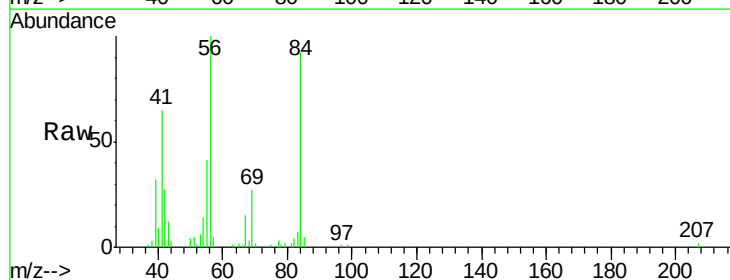
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

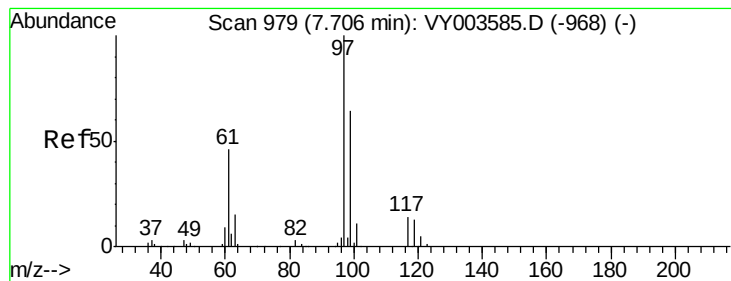
Tgt Ion: 62 Resp: 18746
 Ion Ratio Lower Upper
 62 100
 98 9.5 7.9 11.9



#29
 Cyclohexane
 Concen: 4.405 ug/L
 RT: 7.78 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Tgt Ion: 56 Resp: 23709
 Ion Ratio Lower Upper
 56 100
 69 29.4 23.3 34.9
 84 90.3 70.6 105.8





#30

1,1,1-Trichloroethane

Concen: 4.325 ug/L

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005403

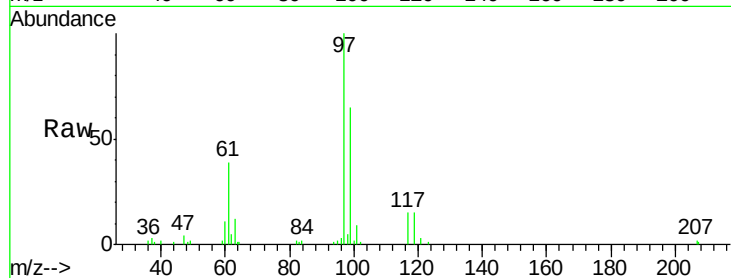
Tgt Ion: 97 Resp: 22271

Ion Ratio Lower Upper

97 100

99 65.6 51.6 77.4

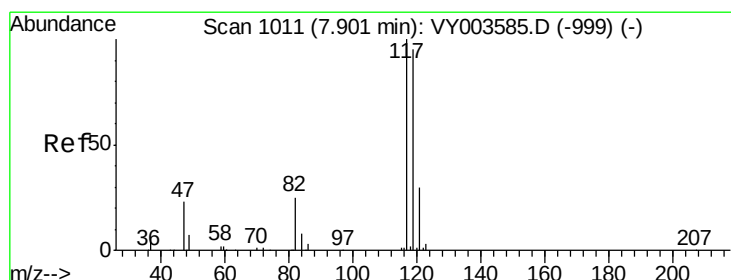
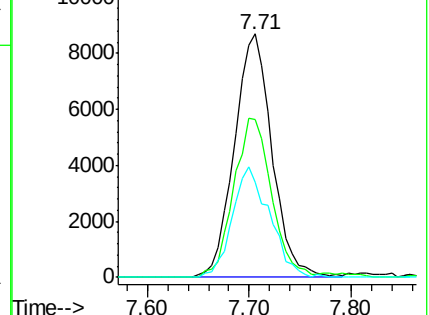
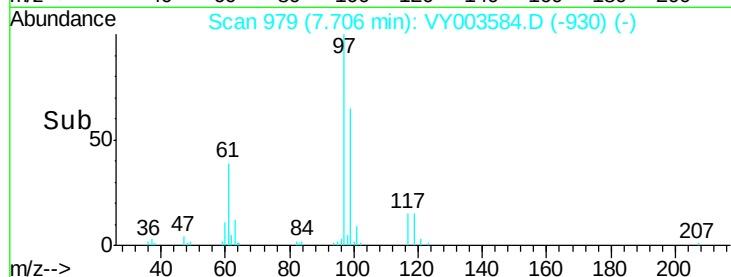
61 44.7 35.1 52.7



Abundance Ion 97.00 (96.70 to 97.70): VY003584.D (-930) (-)

Ion 99.00 (98.70 to 99.70): VY003584.D (-930) (-)

Ion 61.05 (60.75 to 61.75): VY003584.D (-930) (-)



#31

Carbon tetrachloride

Concen: 4.661 ug/L

RT: 7.90 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VY003584.D

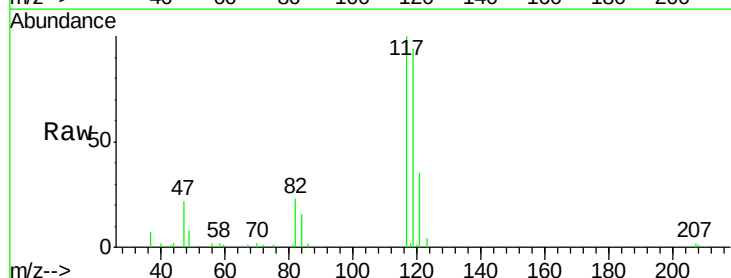
Acq: 23 Nov 2020 10:45

Tgt Ion: 117 Resp: 21749

Ion Ratio Lower Upper

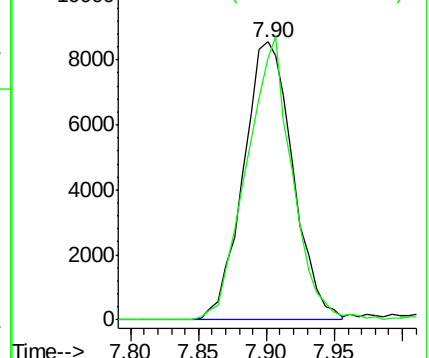
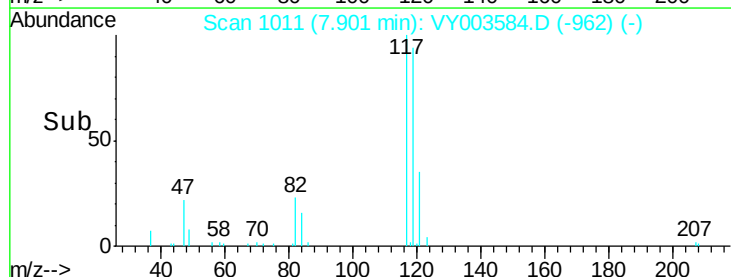
117 100

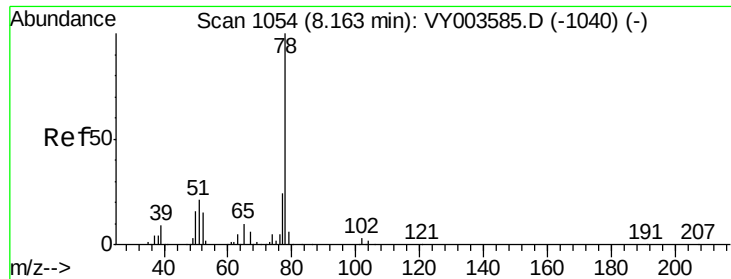
119 93.0 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): VY003584.D (-962) (-)

Ion 119.00 (118.70 to 119.70): VY003584.D (-962) (-)





#33

Benzene

Concen: 5.249 ug/L

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

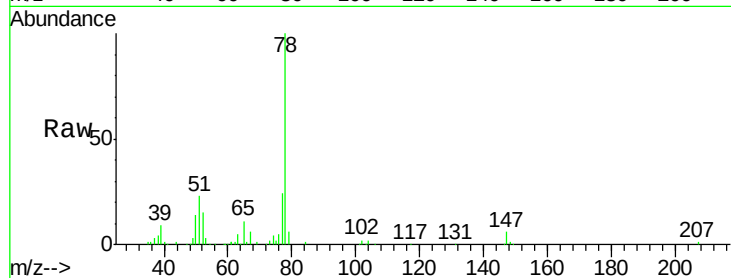
Instrument :

MSVOA_Y

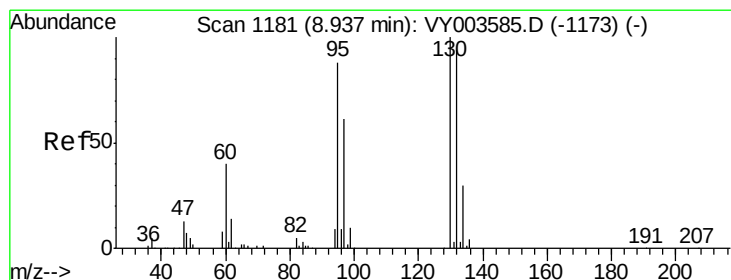
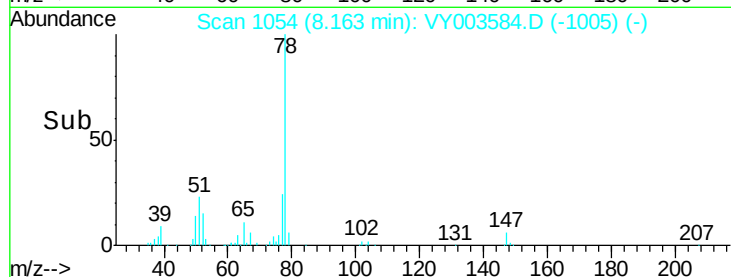
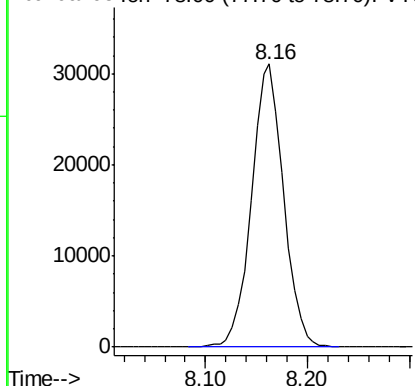
ClientSampleId :

VSTD005403

Tgt Ion: 78 Resp: 68051



Abundance Ion 78.00 (77.70 to 78.70): VY0



#34

Trichloroethene

Concen: 4.856 ug/L

RT: 8.94 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Tgt Ion: 95 Resp: 16718

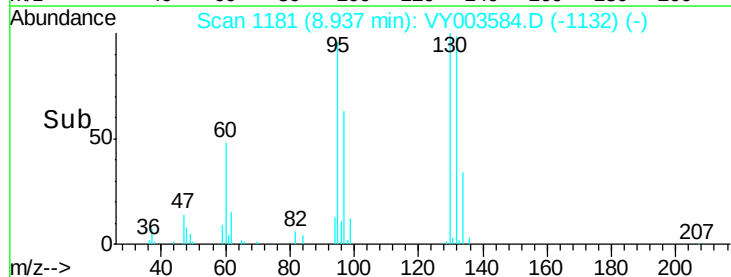
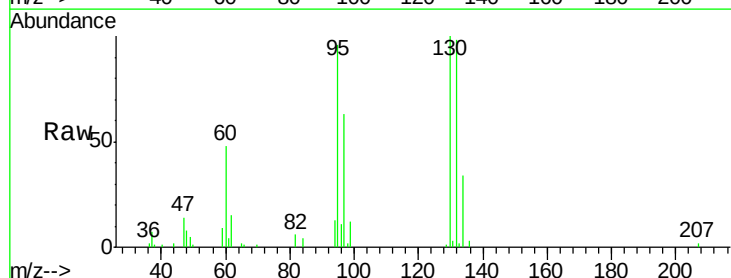
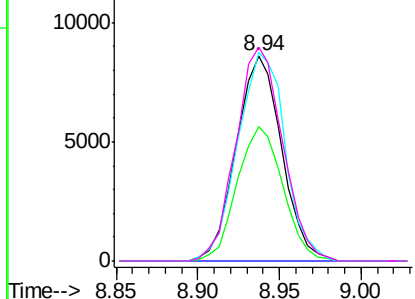
Ion	Ratio	Lower	Upper
95	100		
97	65.8	48.8	90.6
132	101.9	74.9	139.1
130	104.0	79.4	147.4

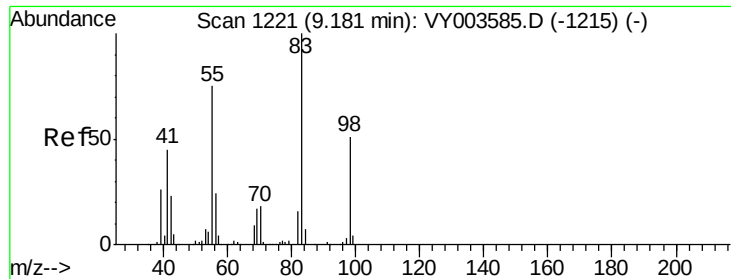
Abundance Ion 95.00 (94.70 to 95.70): VY0

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

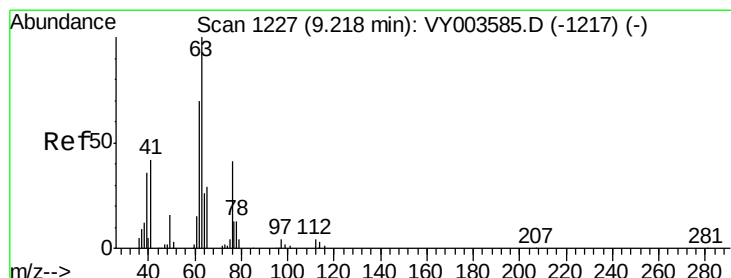
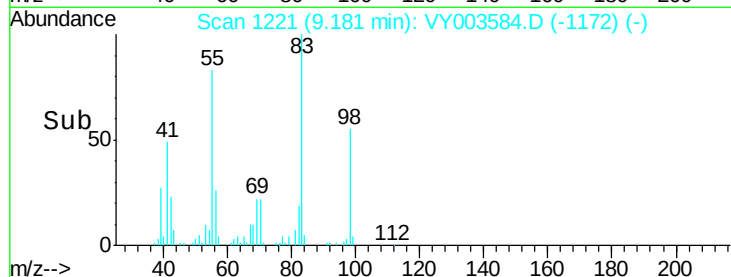
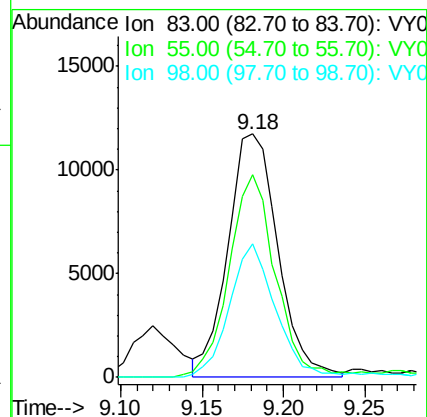
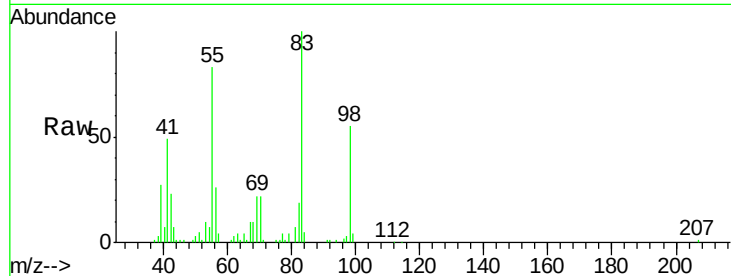




#35
Methylcyclohexane
Concen: 4.400 ug/L
RT: 9.18 min Scan# 1221
Delta R.T. -0.00 min
Lab File: VY003584.D
Acq: 23 Nov 2020 10:45

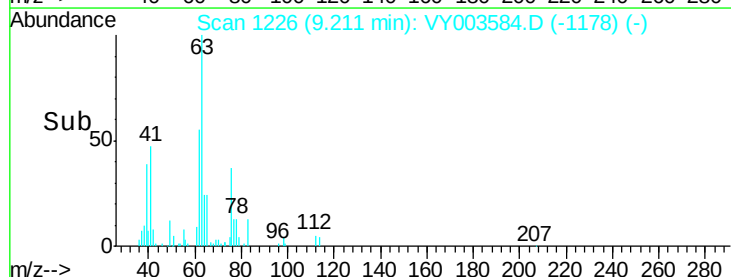
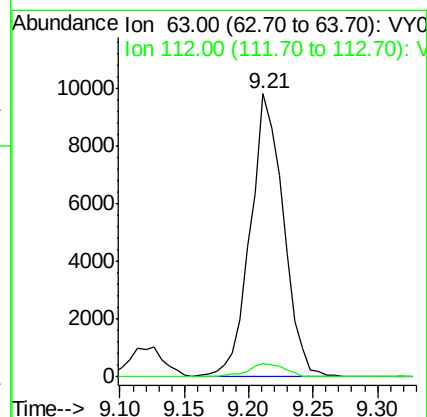
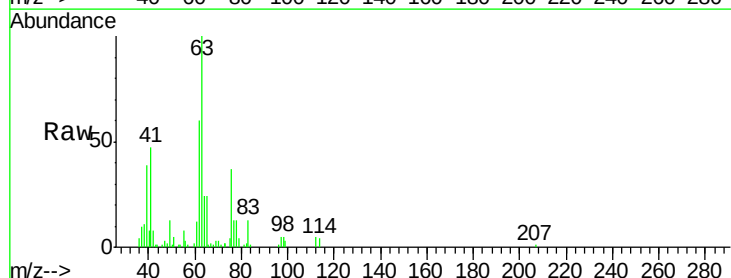
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005403

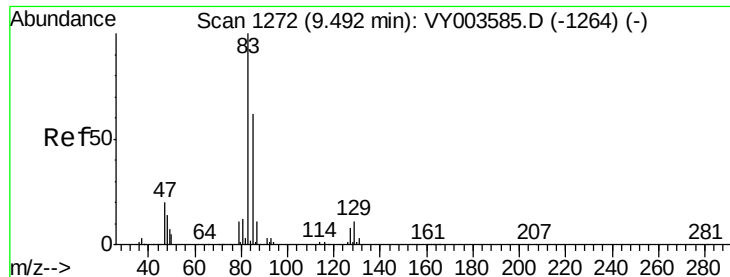
Tgt Ion: 83 Resp: 25136
Ion Ratio Lower Upper
83 100
55 76.9 59.0 88.6
98 50.0 40.2 60.4



#37
1,2-Dichloropropane
Concen: 5.322 ug/L
RT: 9.21 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VY003584.D
Acq: 23 Nov 2020 10:45

Tgt Ion: 63 Resp: 17407
Ion Ratio Lower Upper
63 100
112 5.2 3.4 5.2





#38

Bromodichloromethane

Concen: 5.042 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005403

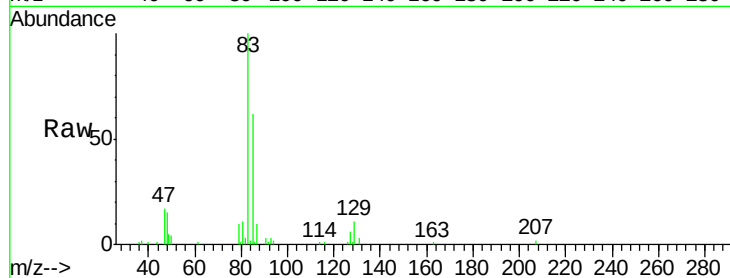
Tgt Ion: 83 Resp: 21629

Ion Ratio Lower Upper

83 100

85 61.5 43.5 80.9

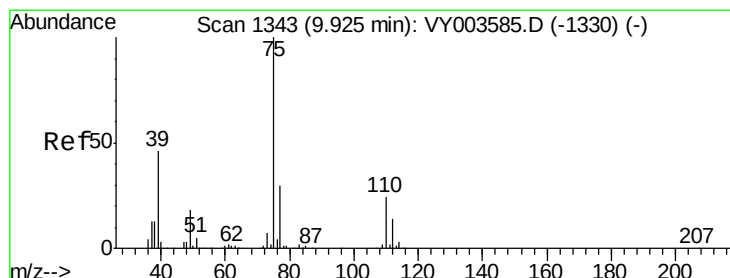
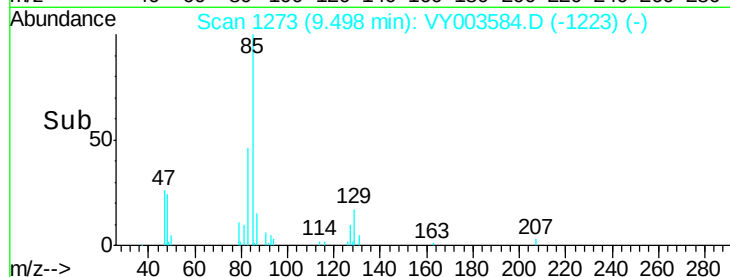
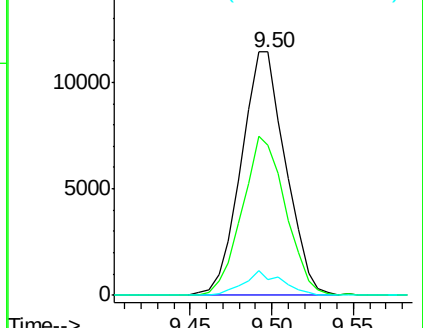
127 6.4 6.5 9.7#



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V



#39

cis-1,3-Dichloropropene

Concen: 4.914 ug/L

RT: 9.92 min Scan# 1343

Delta R.T. -0.00 min

Lab File: VY003584.D

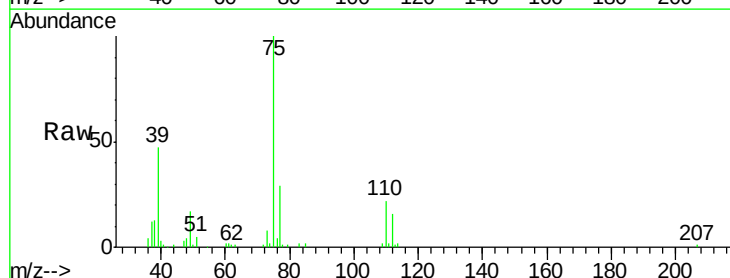
Acq: 23 Nov 2020 10:45

Tgt Ion: 75 Resp: 25522

Ion Ratio Lower Upper

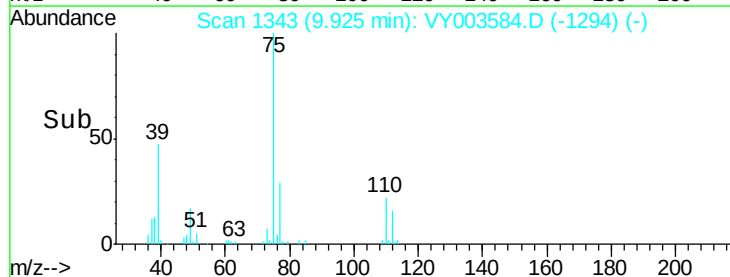
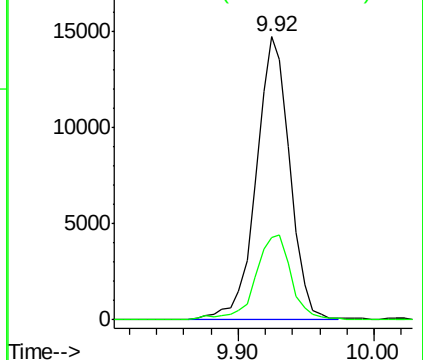
75 100

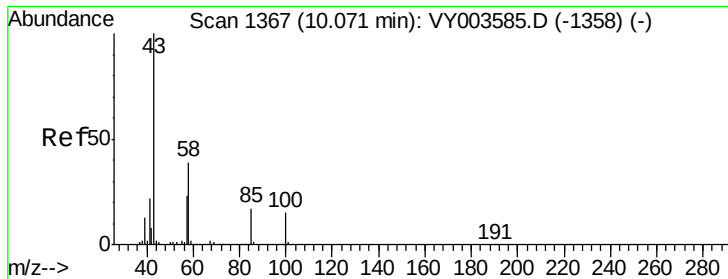
77 29.0 20.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

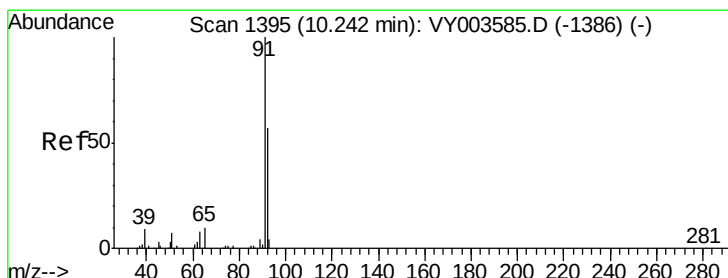
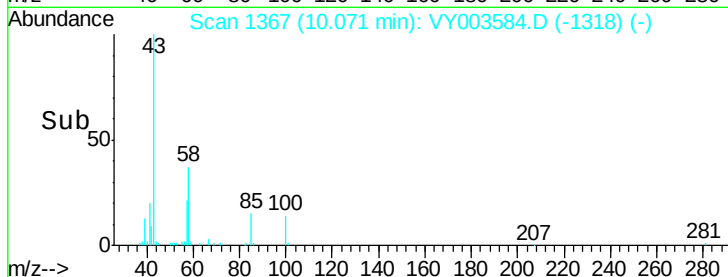
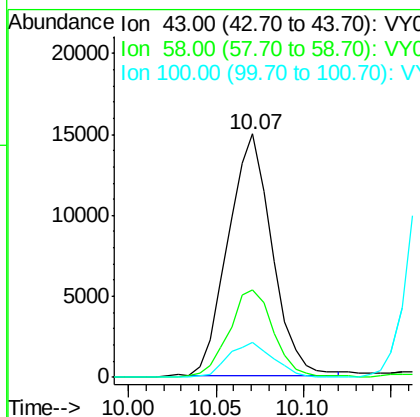
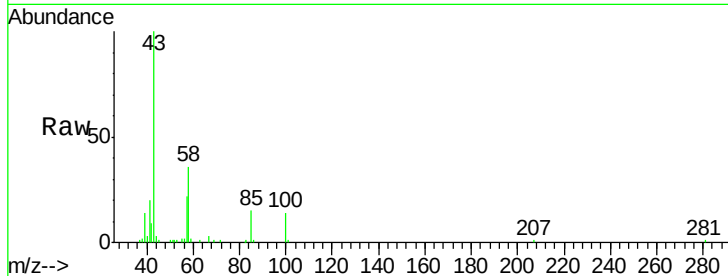




#40
 4-Methyl-2-pentanone
 Concen: 9.854 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

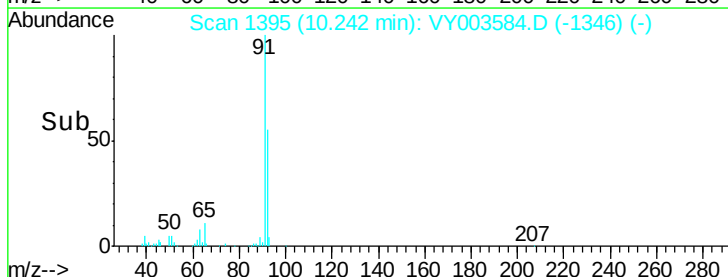
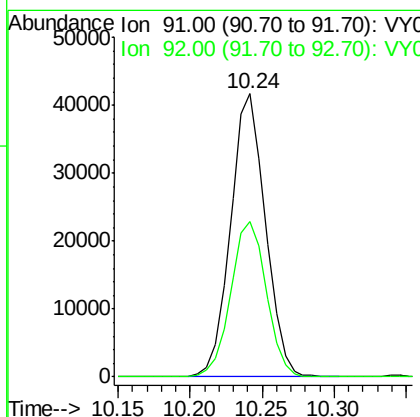
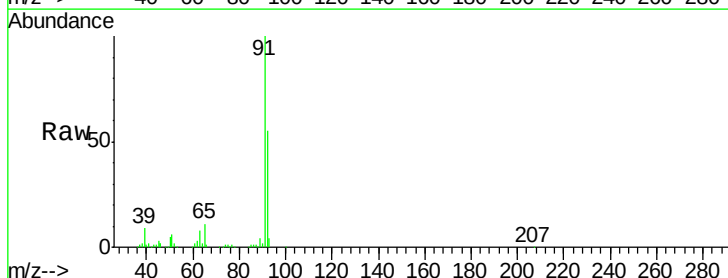
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

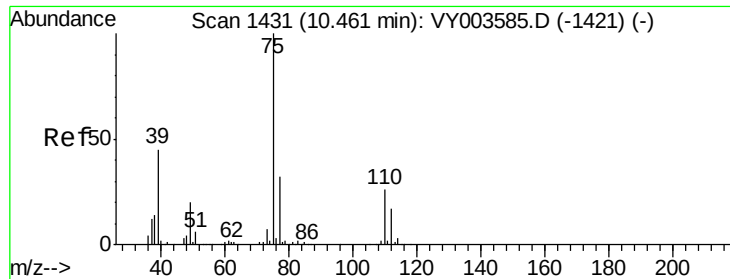
Tgt Ion: 43 Resp: 26147
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.8 44.6
 100 14.9 12.0 18.0



#42
 Toluene
 Concen: 5.035 ug/L
 RT: 10.24 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Tgt Ion: 91 Resp: 70526
 Ion Ratio Lower Upper
 91 100
 92 54.9 39.6 73.6





#44

trans-1,3-Dichloropropene

Concen: 4.922 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

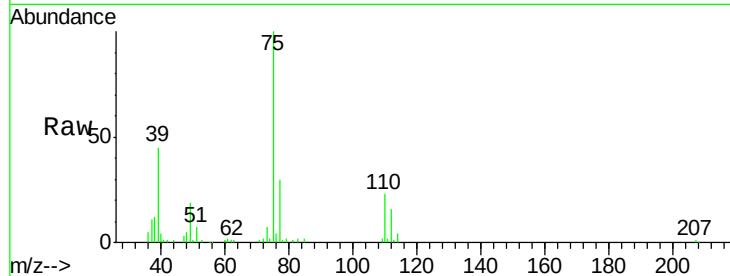
VSTD005403

Tgt Ion: 75 Resp: 23412

Ion Ratio Lower Upper

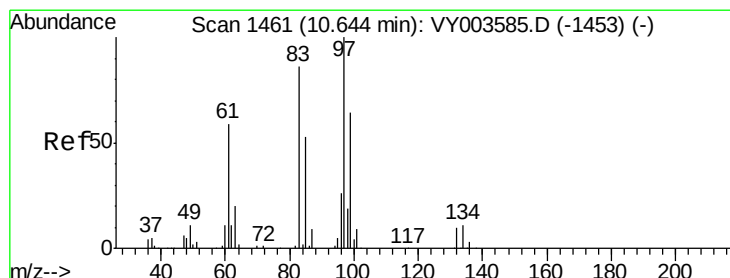
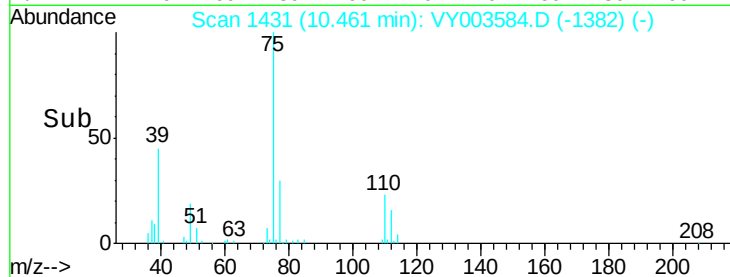
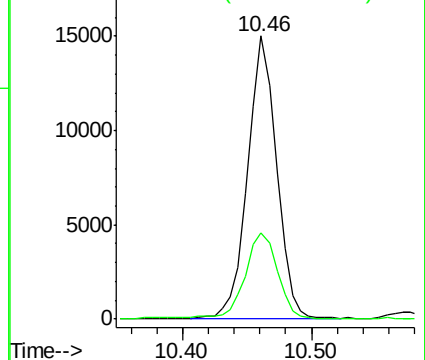
75 100

77 30.5 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#45

1,1,2-Trichloroethane

Concen: 5.393 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Tgt Ion: 97 Resp: 13976

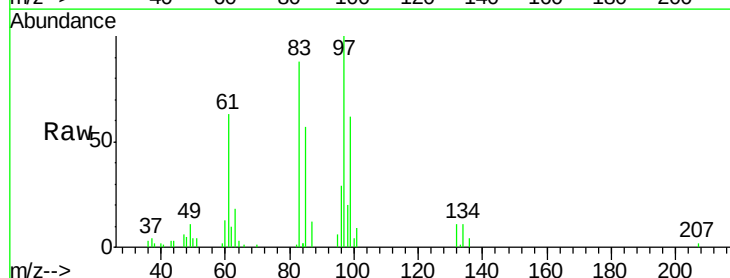
Ion Ratio Lower Upper

97 100

99 62.2 44.9 83.5

83 87.7 59.8 111.1

85 56.6 37.2 69.0

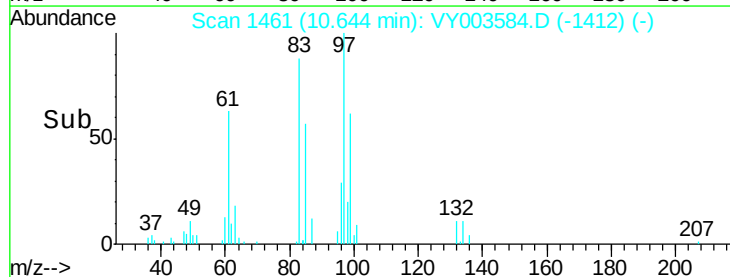
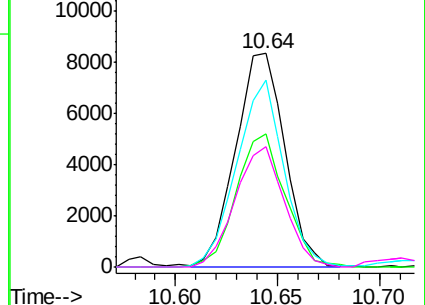


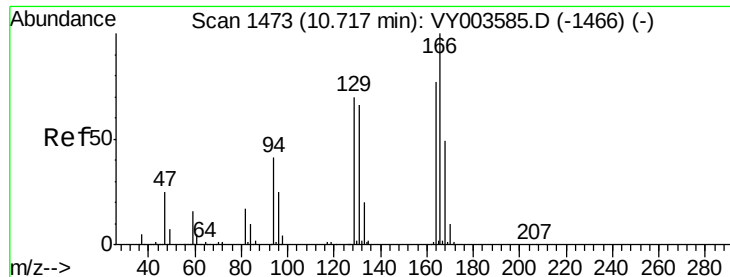
Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0





#46

Tetrachloroethene

Concen: 4.734 ug/L

RT: 10.72 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005403

Tgt Ion:164 Resp: 14547

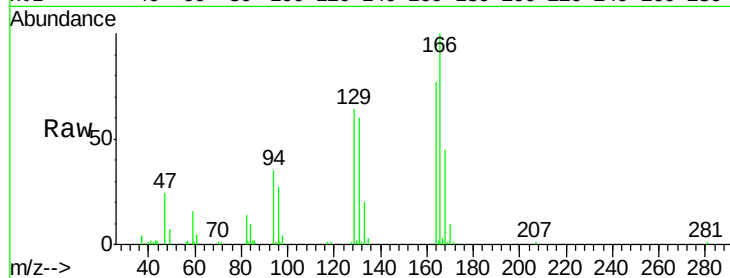
Ion Ratio Lower Upper

164 100

129 83.0 63.5 117.9

131 77.9 59.6 110.6

166 130.0 90.6 168.2

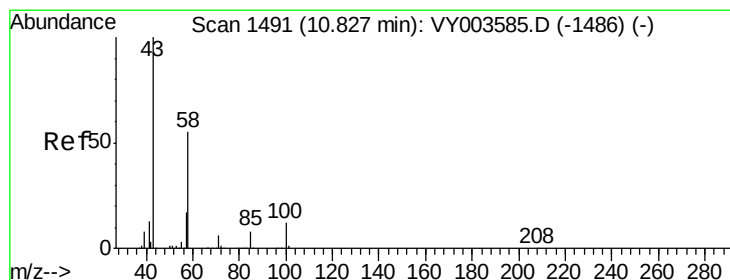
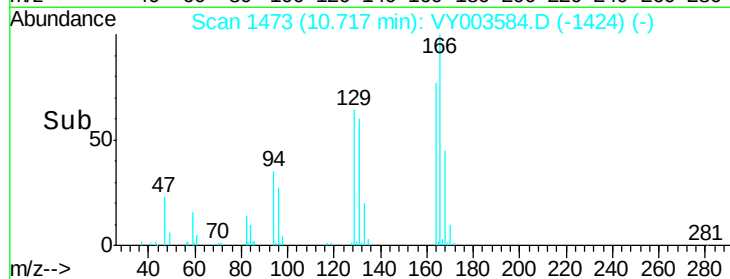
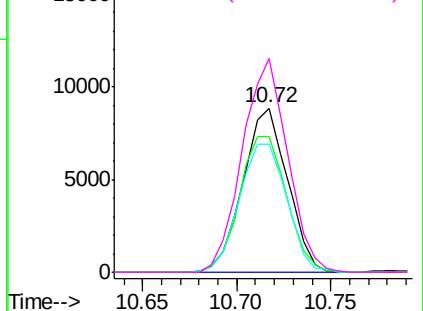


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 11.109 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. 0.01 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Tgt Ion: 43 Resp: 21273

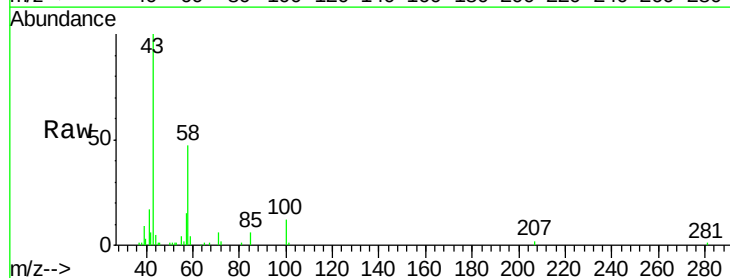
Ion Ratio Lower Upper

43 100

58 50.0 43.9 65.9

57 16.2 14.1 21.1

100 11.6 9.6 14.4

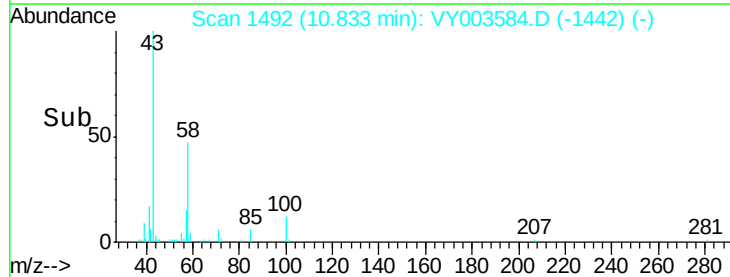
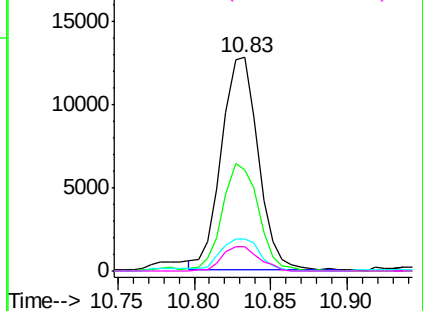


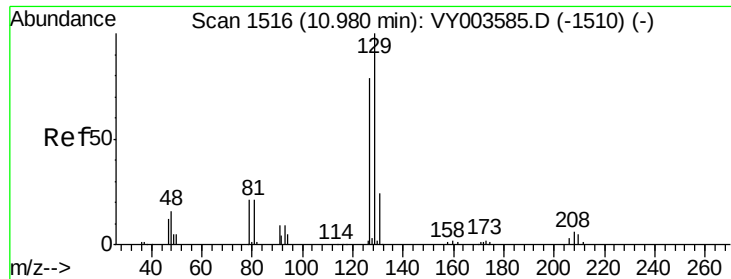
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

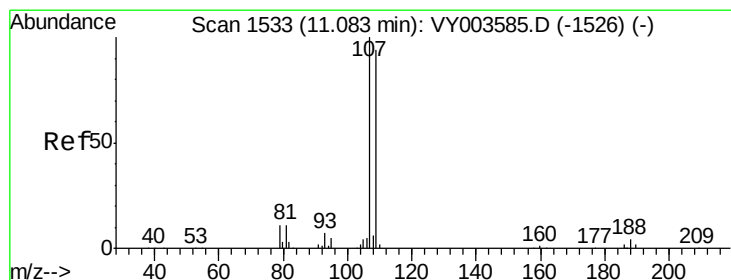
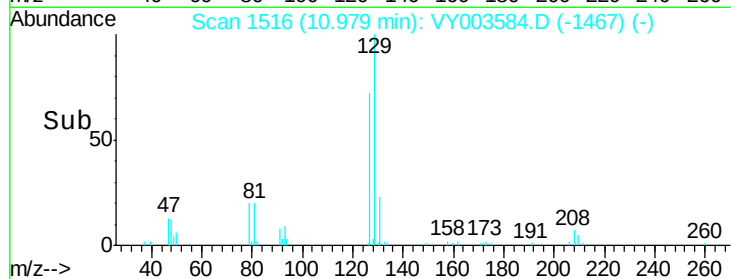
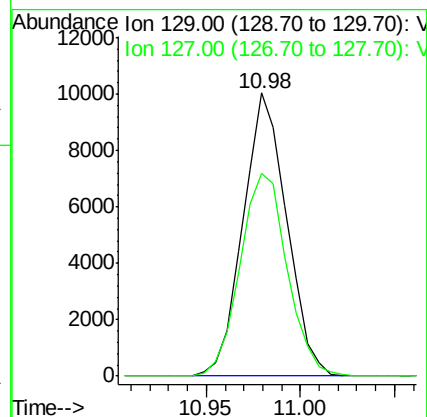
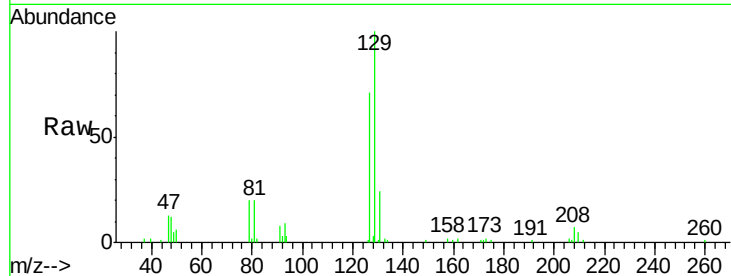




#49
 Dibromochloromethane
 Concen: 5.079 ug/L
 RT: 10.98 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

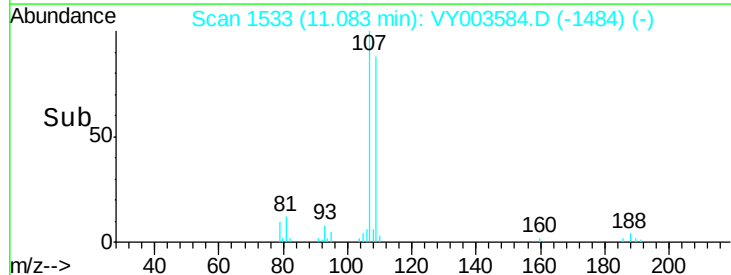
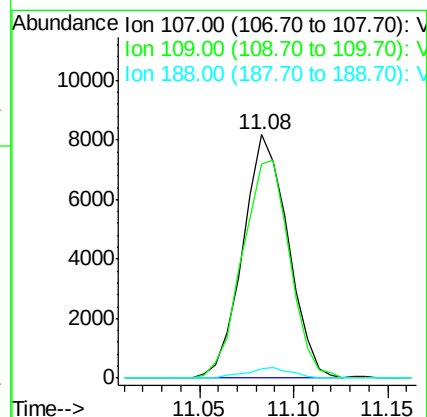
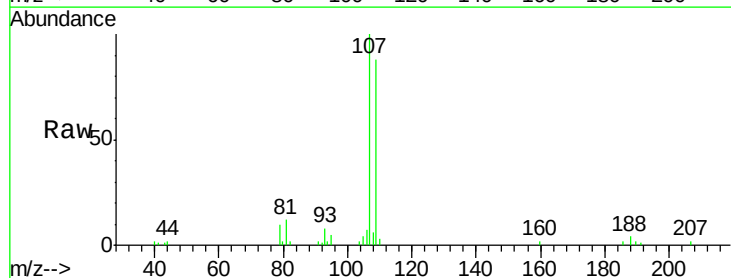
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

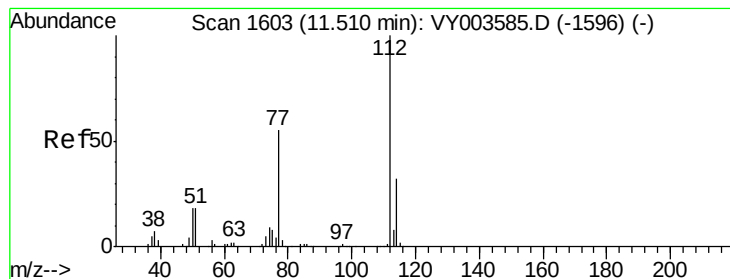
Tgt Ion:129 Resp: 16115
 Ion Ratio Lower Upper
 129 100
 127 71.4 55.7 103.5



#50
 1,2-Dibromoethane
 Concen: 5.466 ug/L
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Tgt Ion:107 Resp: 13599
 Ion Ratio Lower Upper
 107 100
 109 88.2 65.8 122.2
 188 3.7 2.9 4.3





#51

Chlorobenzene

Concen: 4.984 ug/L

RT: 11.51 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005403

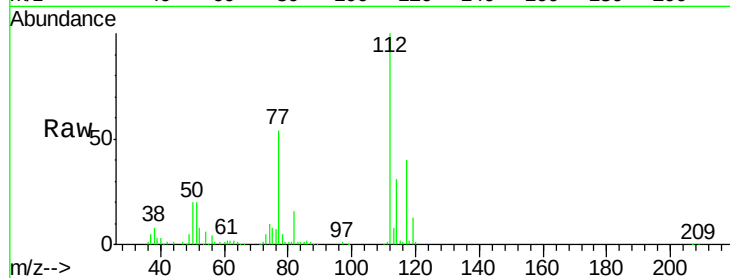
Tgt Ion: 112 Resp: 45463

Ion Ratio Lower Upper

112 100

114 30.8 22.4 41.6

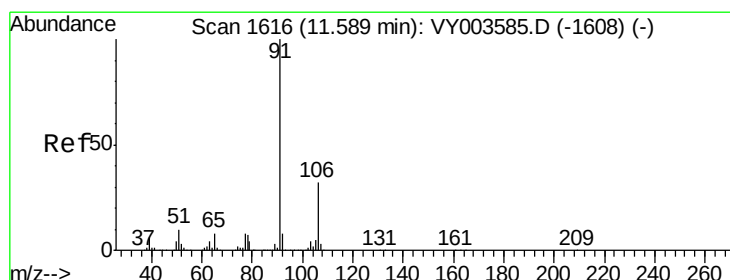
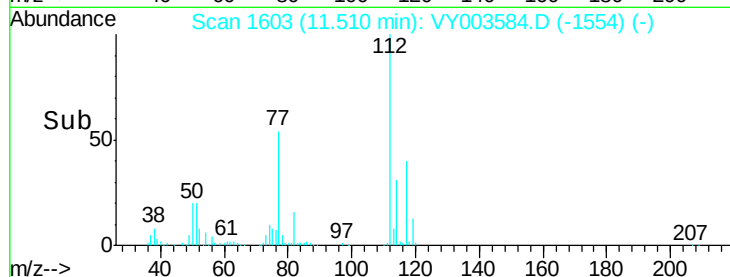
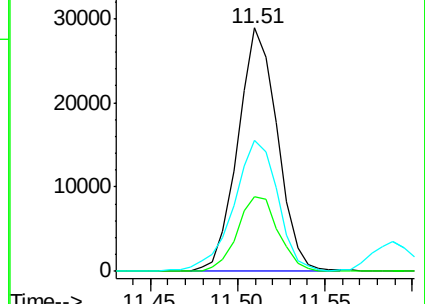
77 54.0 44.2 66.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 4.596 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003584.D

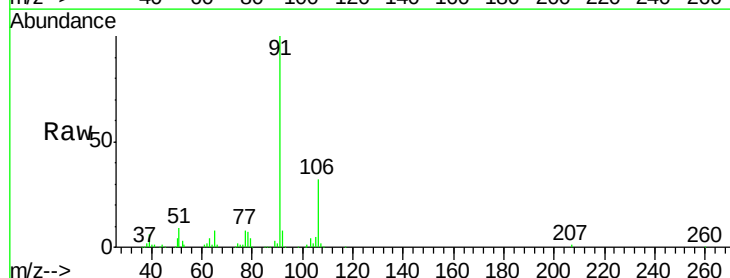
Acq: 23 Nov 2020 10:45

Tgt Ion: 91 Resp: 70609

Ion Ratio Lower Upper

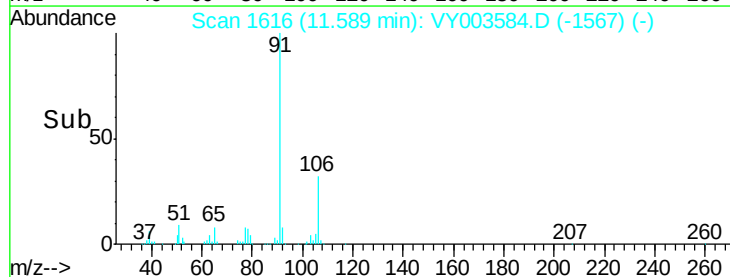
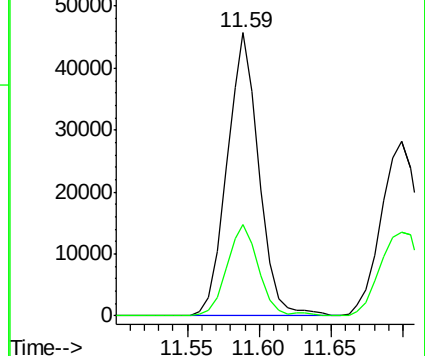
91 100

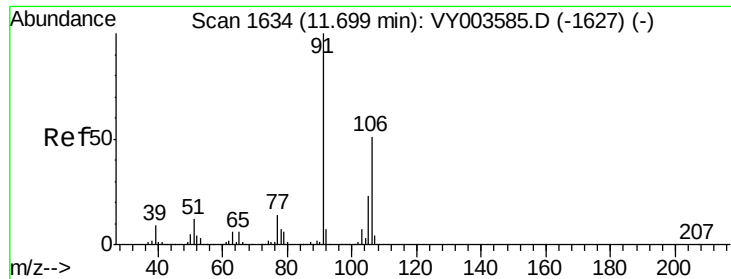
106 32.4 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 4.575 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

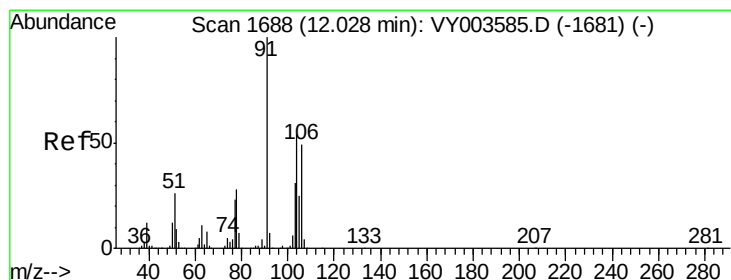
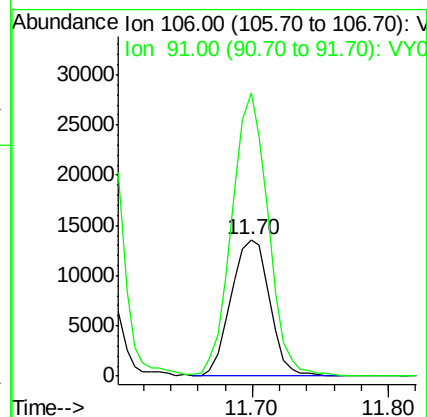
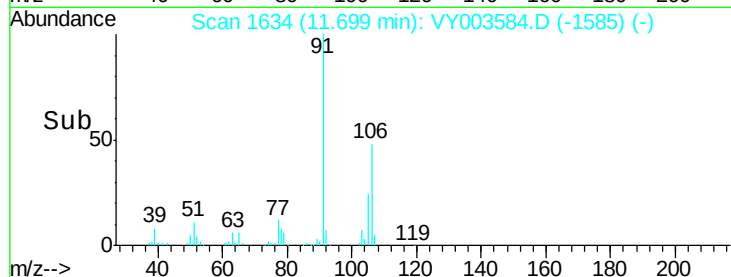
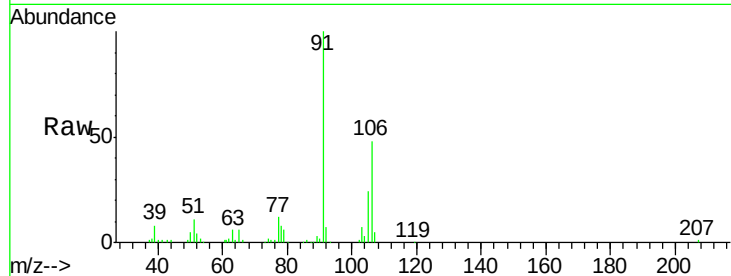
VSTD005403

Tgt Ion:106 Resp: 26877

Ion Ratio Lower Upper

106 100

91 207.3 138.2 256.6



#54

o-Xylene

Concen: 4.217 ug/L

RT: 12.02 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VY003584.D

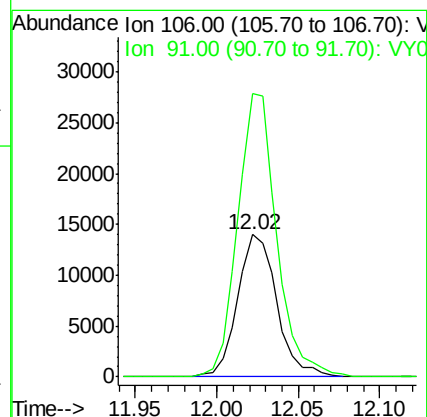
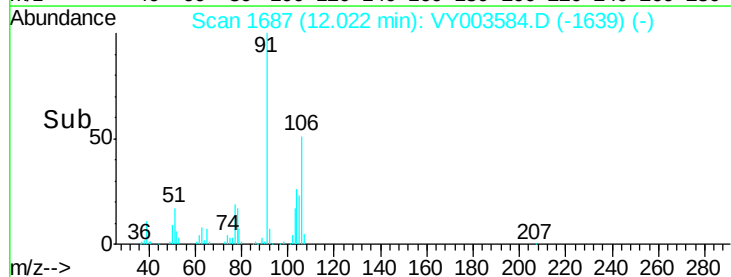
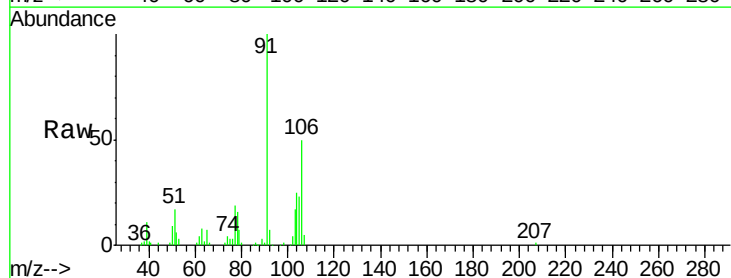
Acq: 23 Nov 2020 10:45

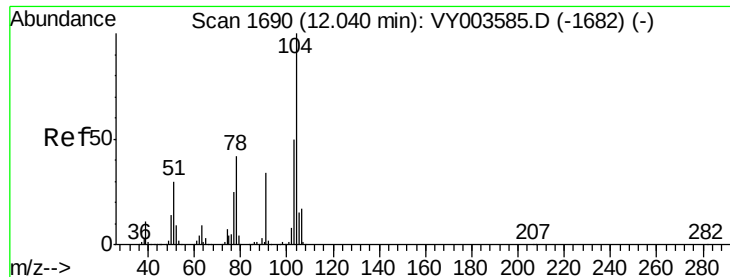
Tgt Ion:106 Resp: 23458

Ion Ratio Lower Upper

106 100

91 198.9 143.2 266.0





#55

Styrene

Concen: 4.520 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

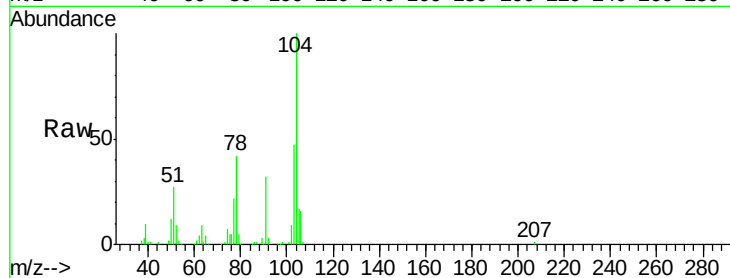
VSTD005403

Tgt Ion:104 Resp: 44191

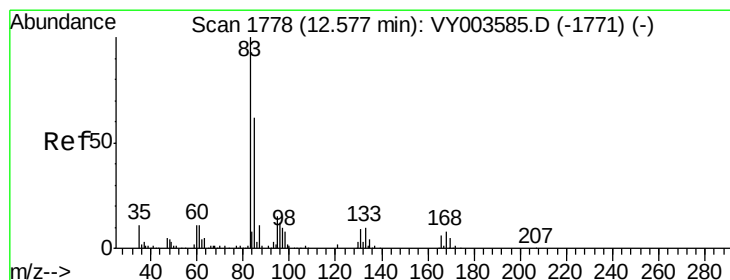
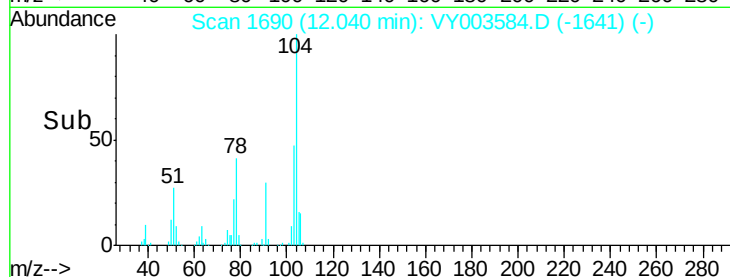
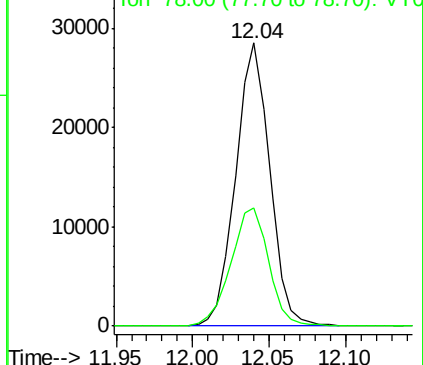
Ion Ratio Lower Upper

104 100

78 41.6 29.5 54.7



Abundance Ion 104.00 (103.70 to 104.70): VY003585.D (-1682) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 5.430 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

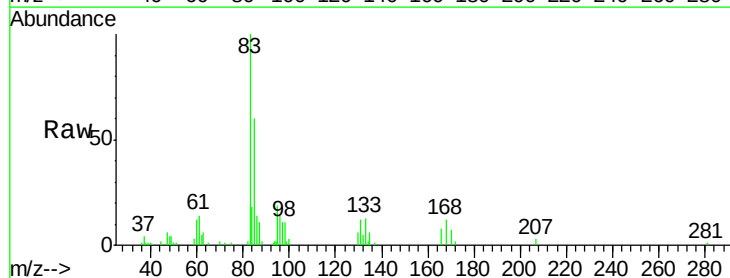
Tgt Ion: 83 Resp: 16658

Ion Ratio Lower Upper

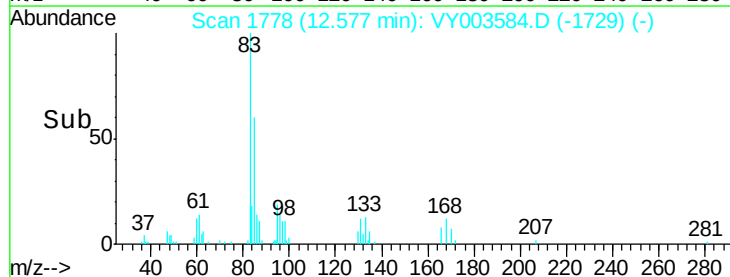
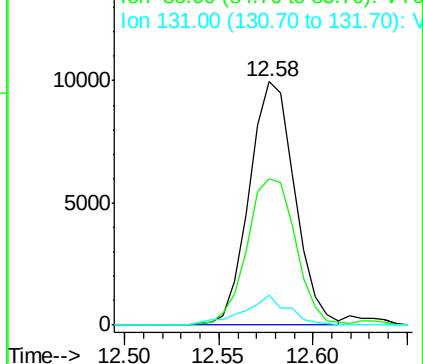
83 100

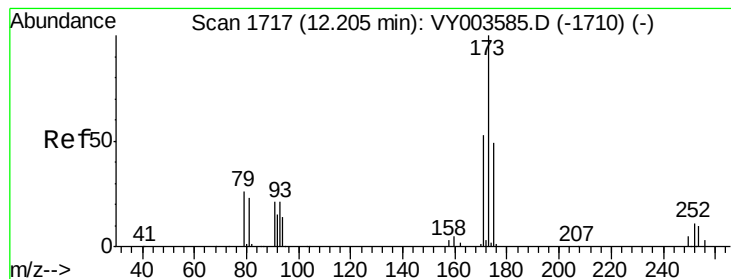
85 60.0 43.5 80.9

131 12.1 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VY003585.D (-1771) (-)





#59

Bromoform

Concen: 5.154 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005403

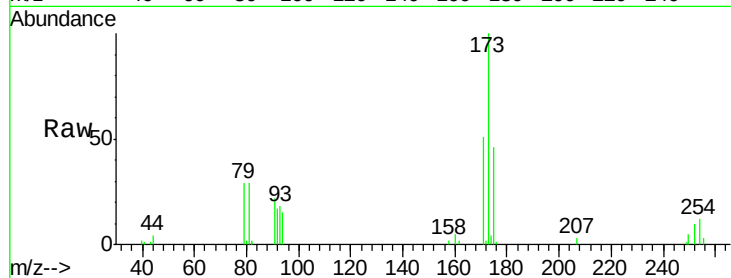
Tgt Ion:173 Resp: 10638

Ion Ratio Lower Upper

173 100

175 48.3 38.9 58.3

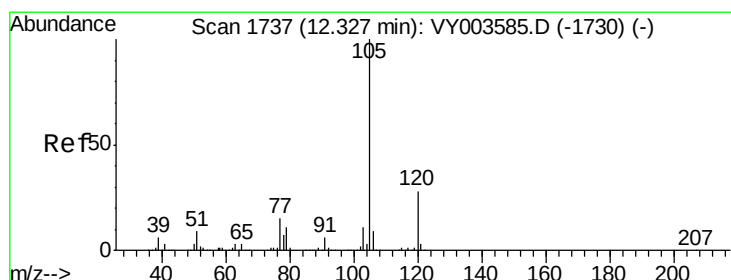
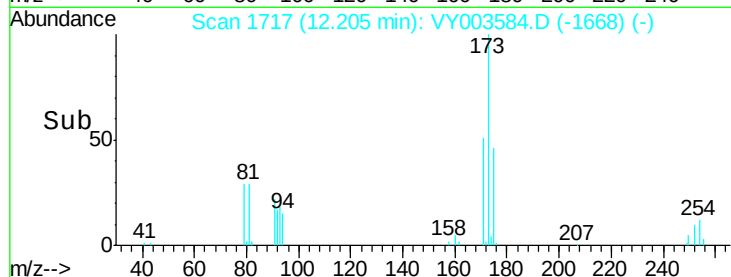
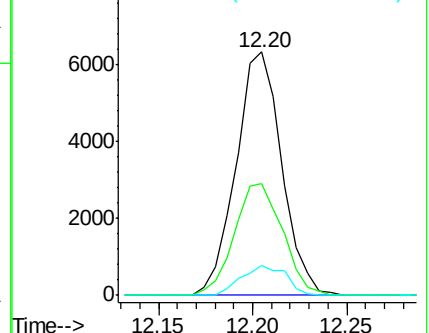
254 12.0 8.5 12.7



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



#60

Isopropylbenzene

Concen: 3.717 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003584.D

Acq: 23 Nov 2020 10:45

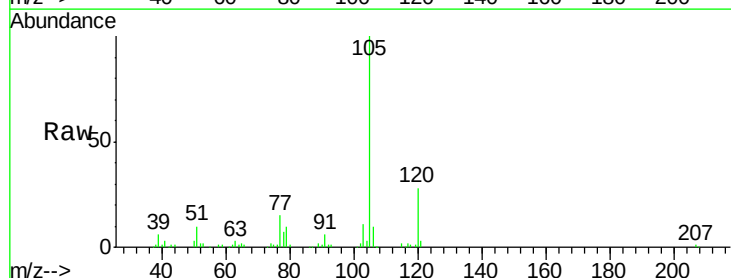
Tgt Ion:105 Resp: 50392

Ion Ratio Lower Upper

105 100

120 27.6 21.8 32.6

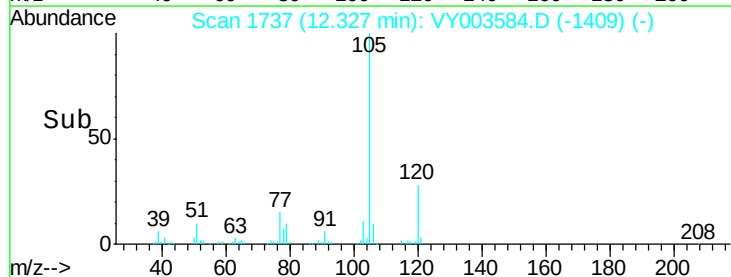
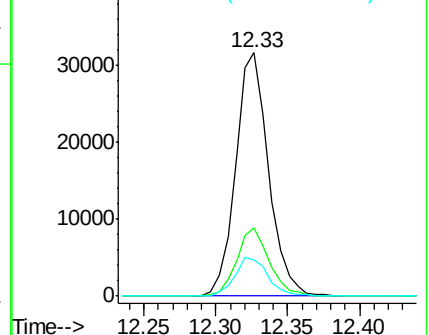
77 16.1 12.0 18.0

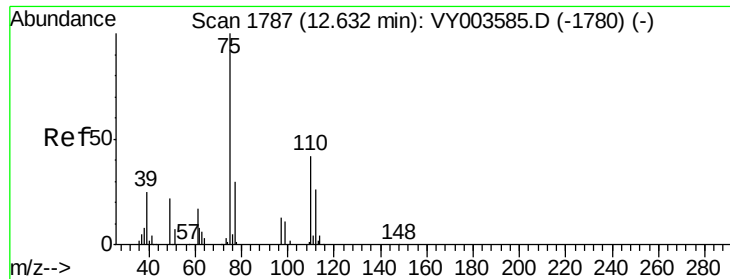


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

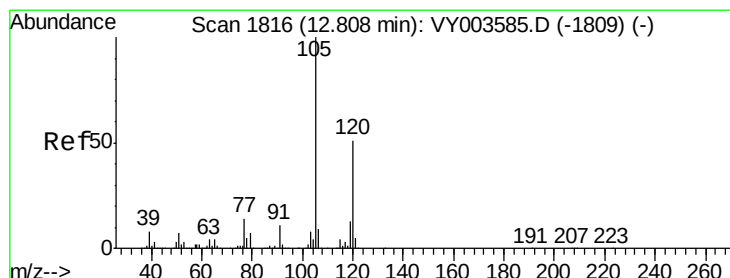
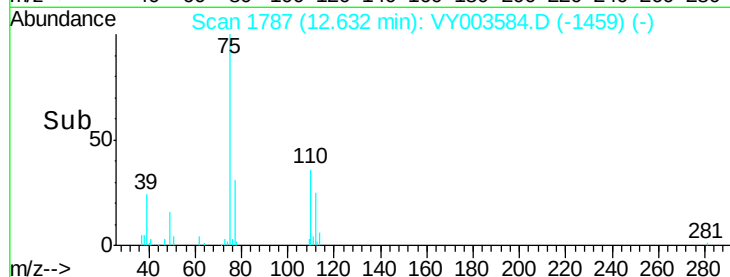
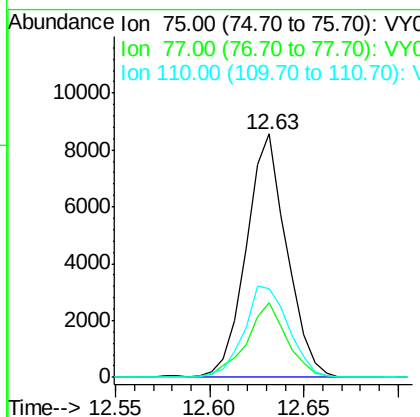
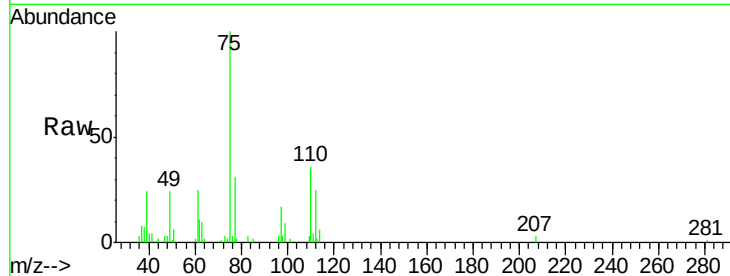




#61
 1,2,3-Trichloropropane
 Concen: 5.646 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

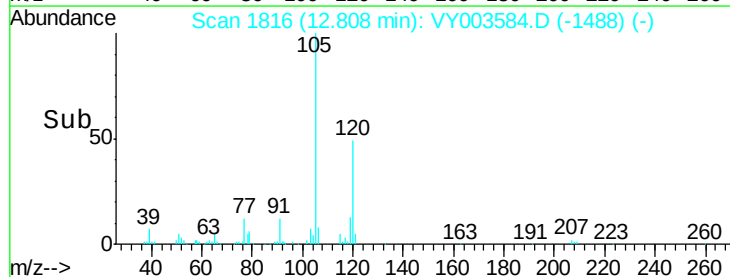
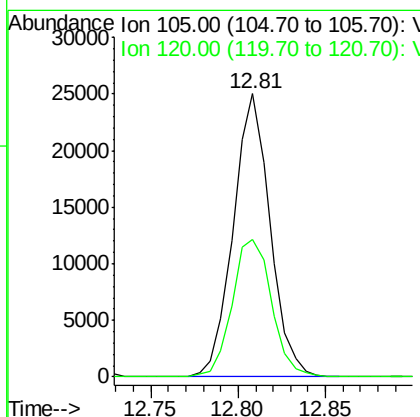
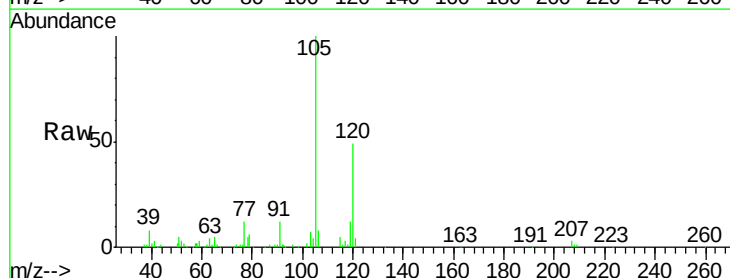
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

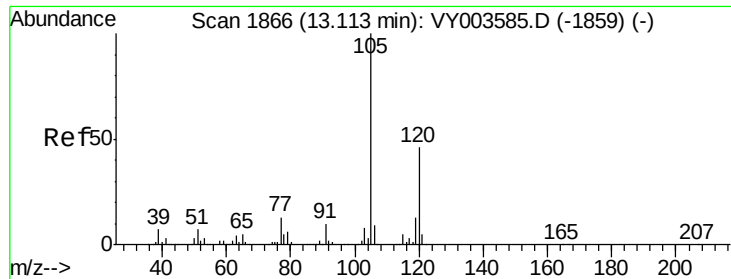
Tgt Ion: 75 Resp: 12791
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.1 39.1
 110 41.1 33.4 50.0



#62
 1,3,5-Trimethylbenzene
 Concen: 3.330 ug/L
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Tgt Ion: 105 Resp: 36632
 Ion Ratio Lower Upper
 105 100
 120 52.0 41.8 62.6

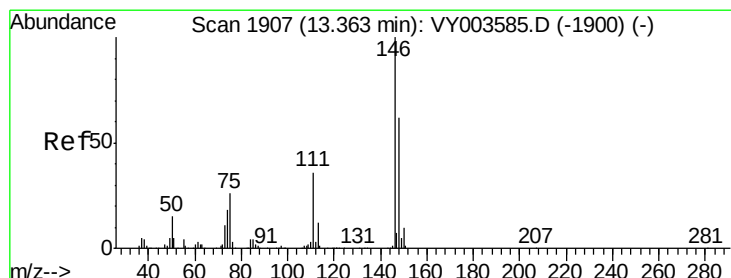
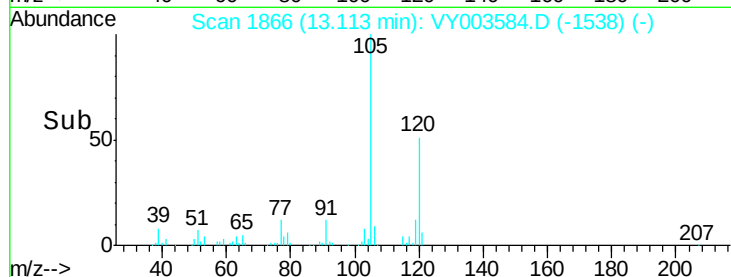
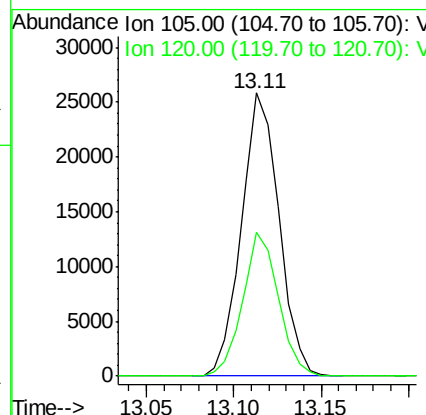
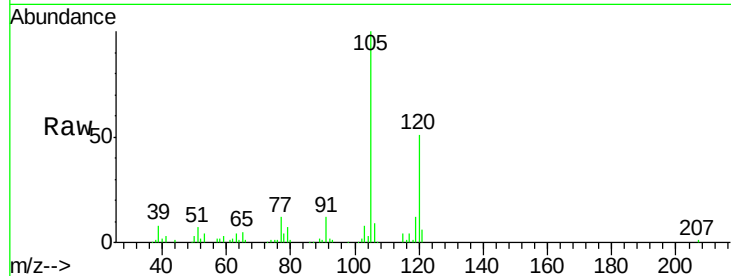




#63
 1,2,4-Trimethylbenzene
 Concen: 3.659 ug/L
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

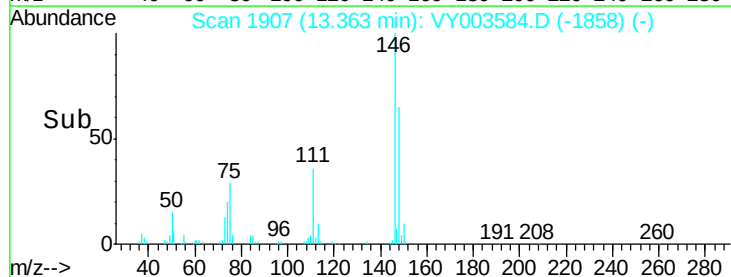
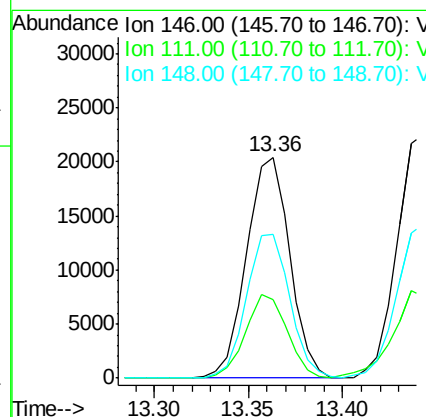
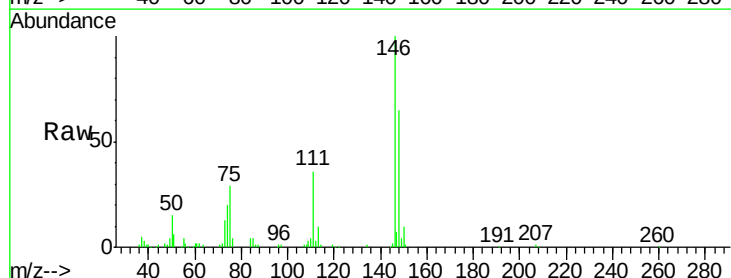
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

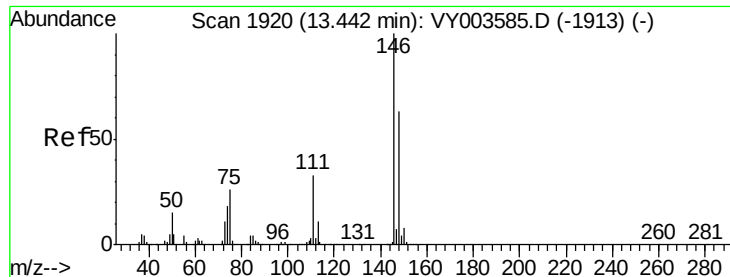
Tgt Ion:105 Resp: 38586
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.2 57.4



#64
 1,3-Dichlorobenzene
 Concen: 4.702 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Tgt Ion:146 Resp: 32502
 Ion Ratio Lower Upper
 146 100
 111 35.6 25.5 47.3
 148 65.1 43.3 80.5

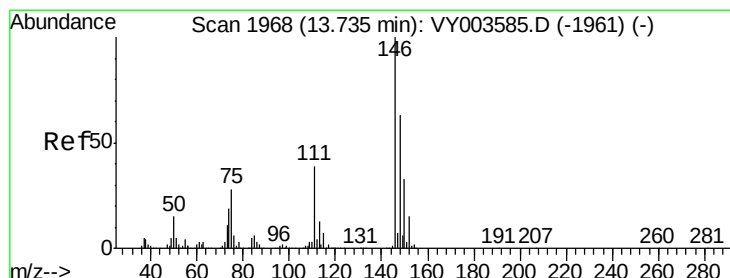
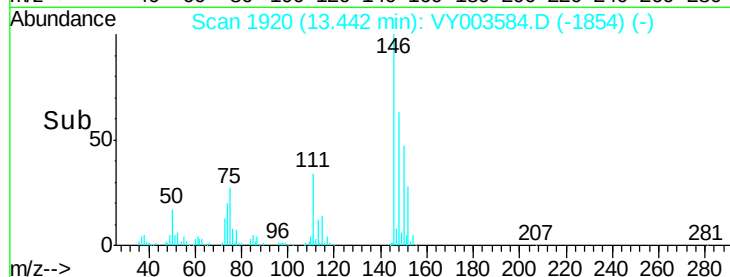
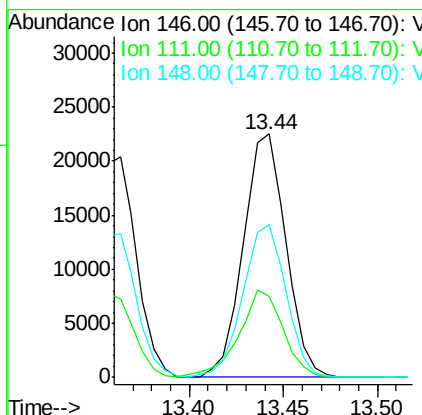
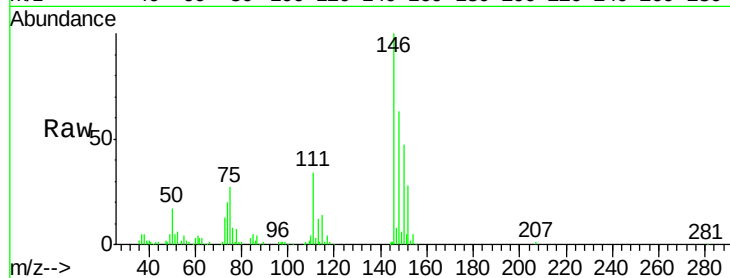




#65
 1,4-Dichlorobenzene
 Concen: 5.046 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

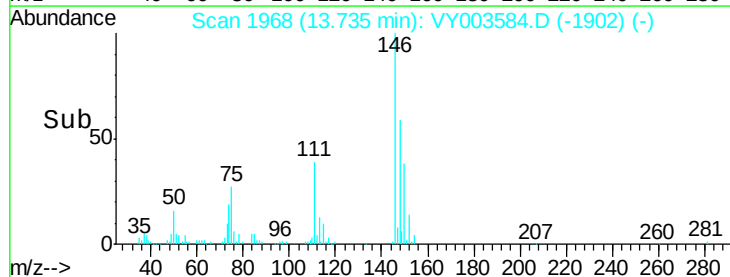
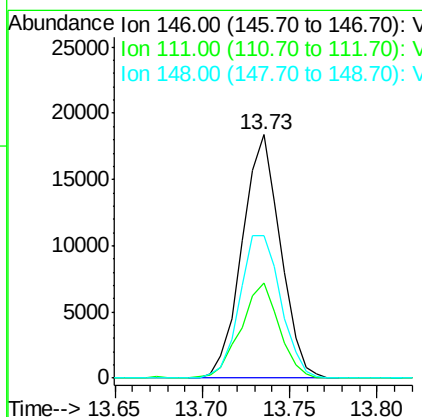
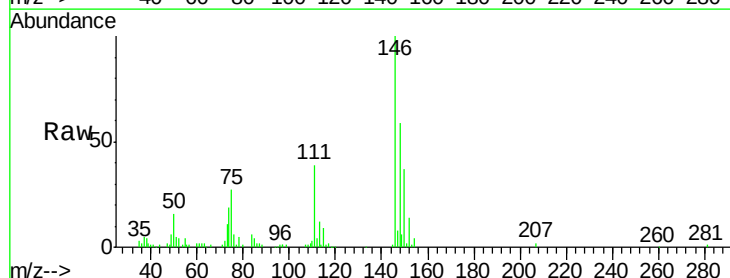
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

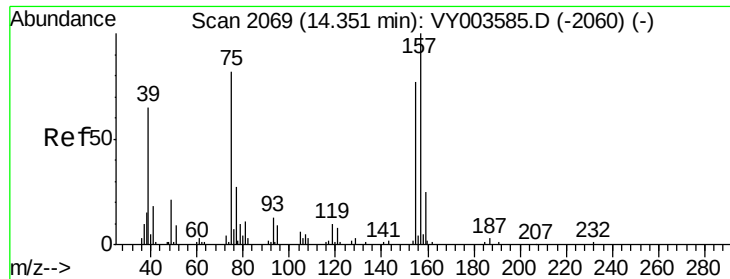
Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.5	23.4	43.6
148	62.5	44.2	82.2



#67
 1,2-Dichlorobenzene
 Concen: 4.485 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	31.4	47.2
148	58.8	50.2	75.4

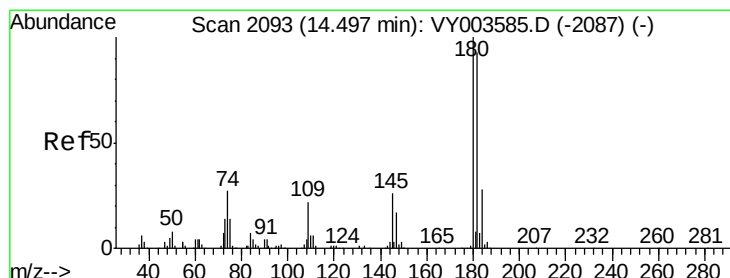
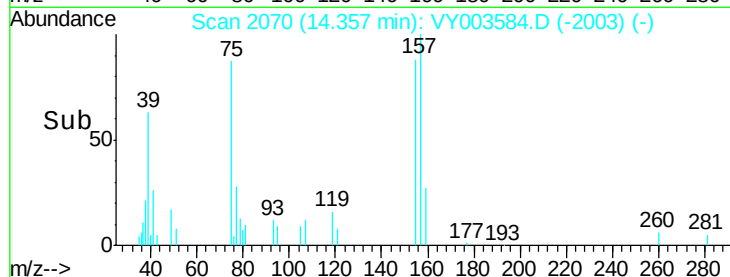
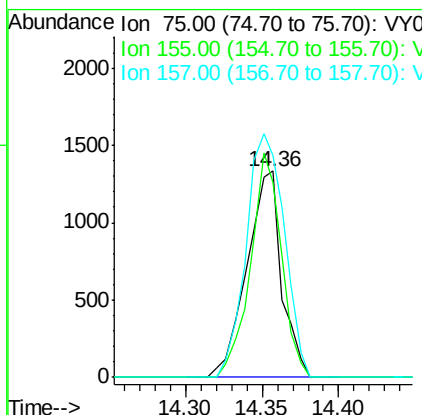
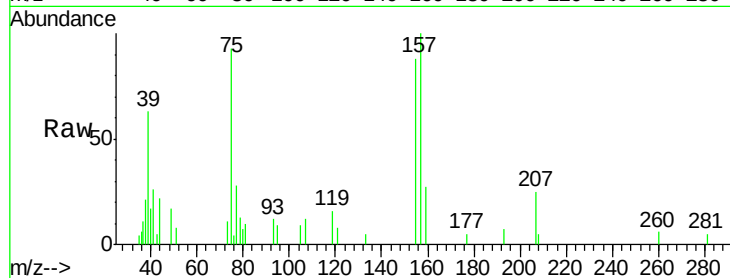




#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.989 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

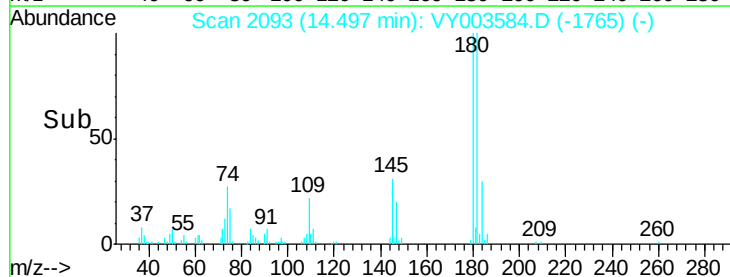
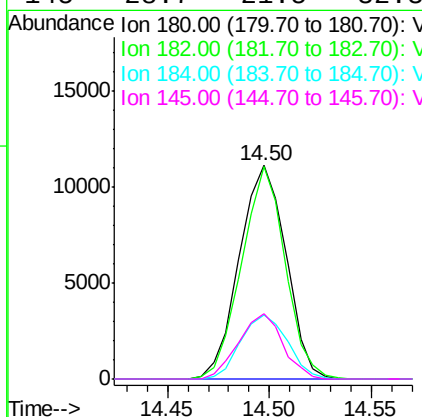
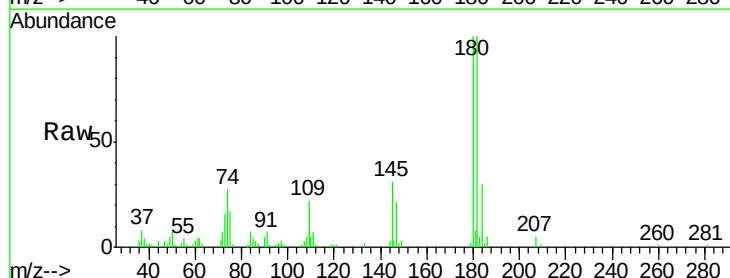
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

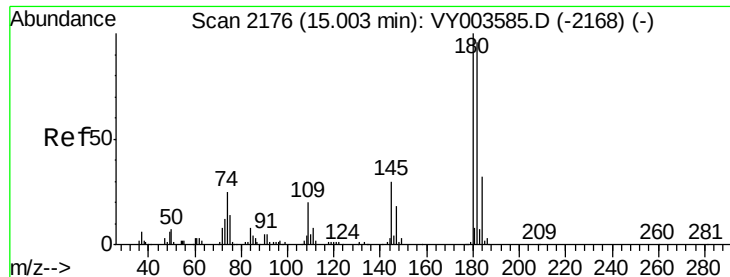
Tgt Ion: 75 Resp: 2104
 Ion Ratio Lower Upper
 75 100
 155 94.5 74.5 111.7
 157 107.5 97.0 145.6



#69
 1,3,5-Trichlorobenzene
 Concen: 3.588 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Tgt Ion: 180 Resp: 17688
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.6 115.0
 184 29.9 23.5 35.3
 145 28.7 21.5 32.3

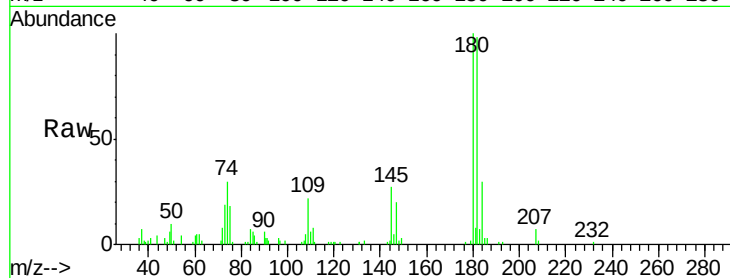




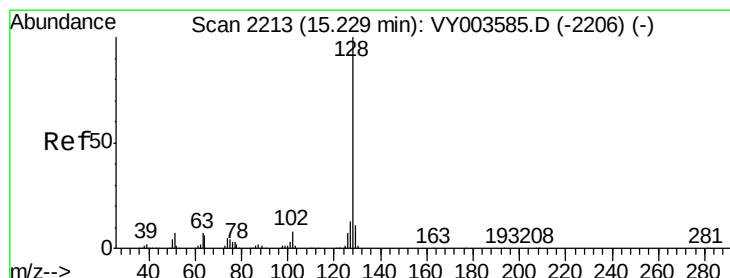
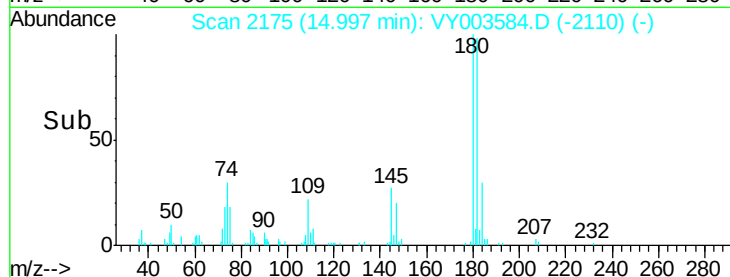
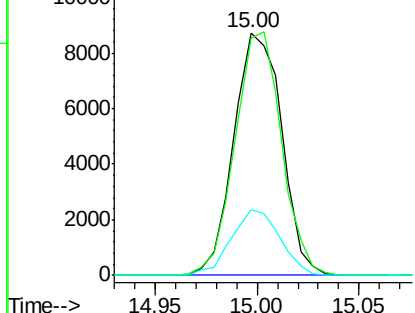
#70
 1,2,4-trichlorobenzene
 Concen: 3.438 ug/L
 RT: 15.00 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

Tgt Ion:180 Resp: 14198
 Ion Ratio Lower Upper
 180 100
 182 97.8 75.7 113.5
 145 27.6 22.5 33.7

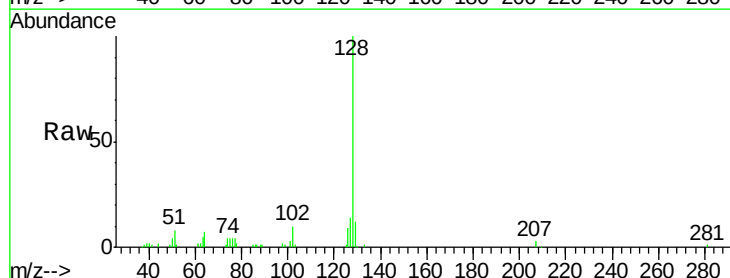


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

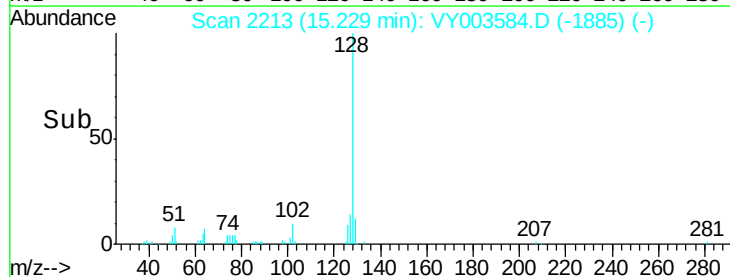
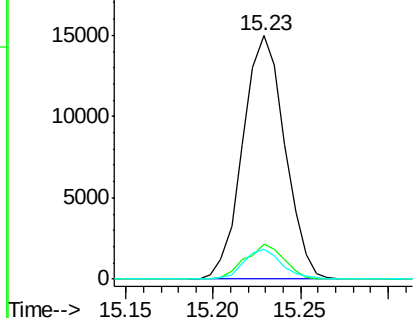


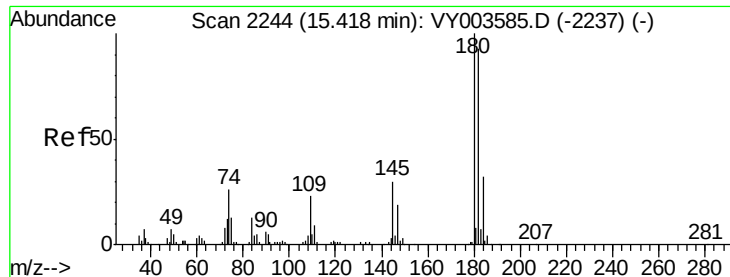
#71
 Naphthalene
 Concen: 3.367 ug/L
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Tgt Ion:128 Resp: 25085
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.6 15.8
 129 11.1 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

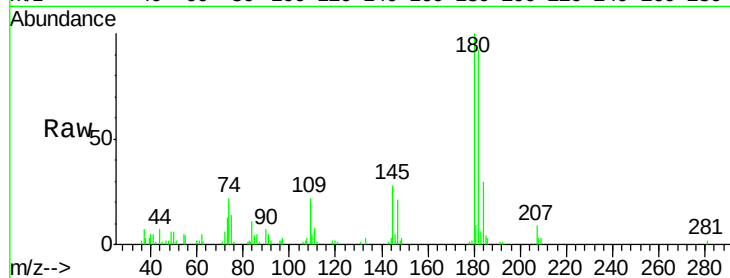




#72
 1,2,3-Trichlorobenzene
 Concen: 3.303 ug/L
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VY003584.D
 Acq: 23 Nov 2020 10:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005403

Tgt Ion	Resp	Lower	Upper
180	11560		
182	89.9	75.0	112.4
145	29.5	23.6	35.4



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

