

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112320\
 Data File : VY003585.D
 Acq On : 23 Nov 2020 11:06
 Operator : SY/MD
 Sample : VSTD02534
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025404

Quant Time: Nov 23 11:41:20 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	227280	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	210660	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	108759	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	76587	23.31	ug/L	0.00
7) Chloroethane-d5	2.77	69	61248	23.28	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	161028	26.75	ug/L	0.00
21) 2-Butanone-d5	6.90	46	68891	59.22	ug/L	0.00
24) Chloroform-d	7.48	84	155747	30.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	84745	25.32	ug/L	0.00
32) Benzene-d6	8.11	84	323985	28.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	99333	27.50	ug/L	0.00
41) Toluene-d8	10.17	98	295953	27.27	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	48220	27.90	ug/L	0.00
47) 2-Hexanone-d5	10.78	63	55081	63.20	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	89695	28.00	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	93676	23.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	25521	6.962 ug/L	100
3) Chloromethane	2.11	50	50213	12.209 ug/L	100
5) Vinyl chloride	2.26	62	77535	16.589 ug/L	100
6) Bromomethane	2.66	94	54080	19.322 ug/L	100
8) Chloroethane	2.80	64	49009	18.862 ug/L	100
9) Trichlorofluoromethane	3.13	101	55648	11.057 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	75970	23.153 ug/L	100
12) 1,1-Dichloroethene	3.87	96	78398	24.971 ug/L	100
13) Acetone	3.97	43	42346	52.550 ug/L	100
14) Carbon disulfide	4.19	76	250669	22.780 ug/L	100
15) Methyl Acetate	4.49	43	58175	29.615 ug/L	100
16) Methylene chloride	4.72	84	90096	22.875 ug/L	100
17) trans-1,2-Dichloroethene	5.22	96	82718	24.441 ug/L	100
18) Methyl tert-butyl Ether	5.22	73	126839	16.632 ug/L	100
19) 1,1-Dichloroethane	6.02	63	143375	24.258 ug/L	100
20) cis-1,2-Dichloroethene	6.99	96	86933	24.523 ug/L	100
22) 2-Butanone	6.99	43	75252	57.718 ug/L	100
23) Bromochloromethane	7.33	128	42351	24.760 ug/L	100
25) Chloroform	7.51	83	141180	20.994 ug/L	100
27) 1,2-Dichloroethane	8.24	62	96452	23.607 ug/L	100
29) Cyclohexane	7.78	56	126502	22.939 ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	108909	20.640 ug/L	100
31) Carbon tetrachloride	7.90	117	106838	22.344 ug/L	100
33) Benzene	8.16	78	330203	24.858 ug/L	100
34) Trichloroethene	8.94	95	81279	23.041 ug/L	100
35) Methylcyclohexane	9.18	83	131358	22.440 ug/L	100
37) 1,2-Dichloropropane	9.22	63	83106	24.797 ug/L	100
38) Bromodichloromethane	9.49	83	105806	24.071 ug/L	100
39) cis-1,3-Dichloropropene	9.92	75	134019	25.181 ug/L	100
40) 4-Methyl-2-pentanone	10.07	43	148945	54.783 ug/L	100

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

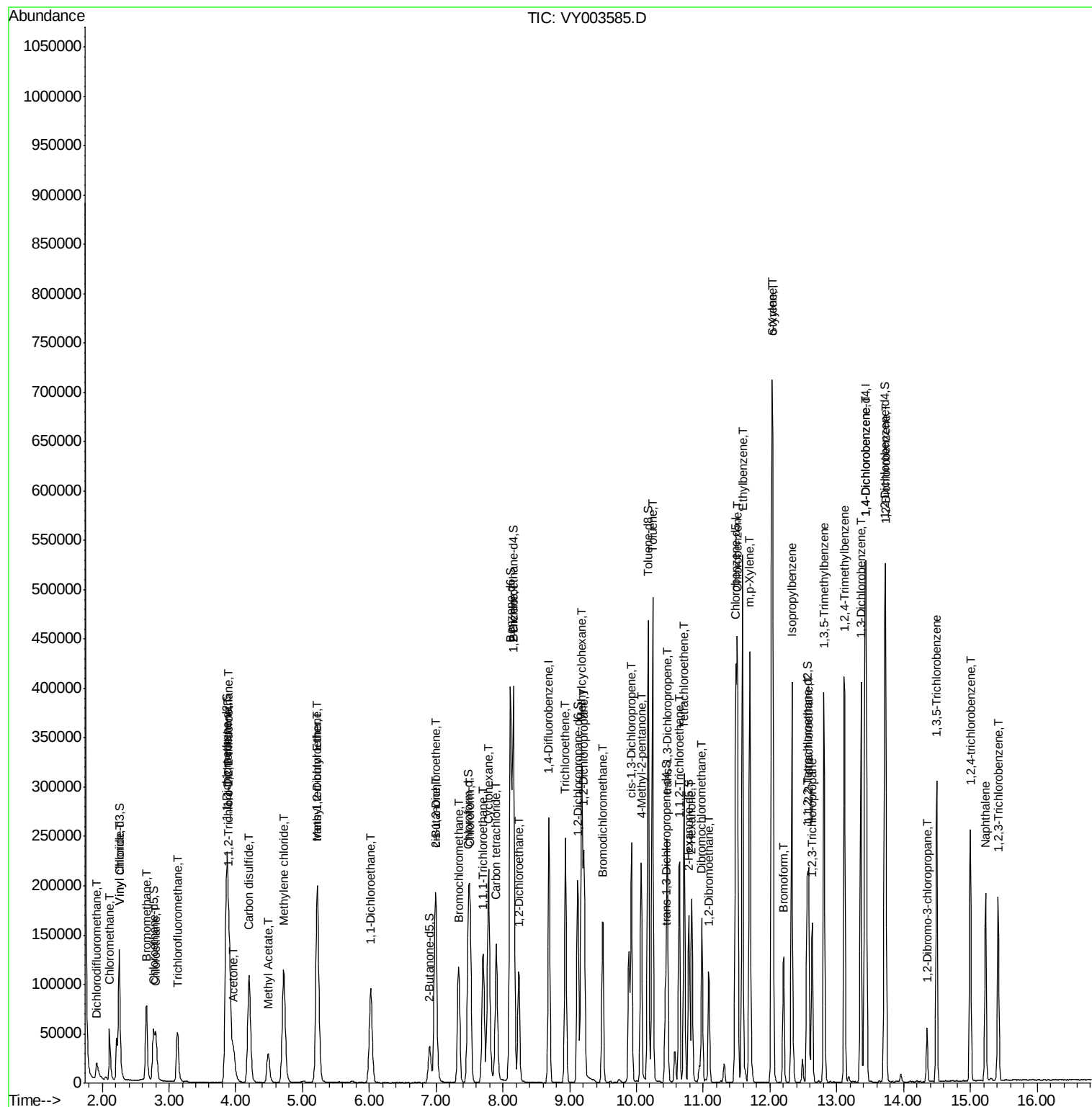
42) Toluene	10.24	91	355707	24.784	ug/L	100
44) trans-1,3-Dichloropropene	10.46	75	122694	25.175	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	69350	26.115	ug/L	100
46) Tetrachloroethene	10.72	164	71761	22.792	ug/L	100
48) 2-Hexanone	10.83	43	114686	58.453	ug/L	100
49) Dibromochloromethane	10.98	129	79460	24.440	ug/L	100
50) 1,2-Dibromoethane	11.08	107	68451	26.850	ug/L	100
51) Chlorobenzene	11.51	112	223896	23.954	ug/L	100
52) Ethylbenzene	11.59	91	365506	23.220	ug/L	100
53) m,p-Xylene	11.70	106	141041	23.432	ug/L	100
54) o-Xylene	12.03	106	118926	20.866	ug/L	100
55) Styrene	12.04	104	238124	23.772	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	84799	26.977	ug/L	100
59) Bromoform	12.20	173	55027	25.178	ug/L	100
60) Isopropylbenzene	12.33	105	267122	18.609	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	63030	26.276	ug/L	100
62) 1,3,5-Trimethylbenzene	12.81	105	198557	17.048	ug/L	100
63) 1,2,4-Trimethylbenzene	13.11	105	215453	19.297	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	169540	23.163	ug/L	100
65) 1,4-Dichlorobenzene	13.44	146	170207	22.945	ug/L	100
67) 1,2-Dichlorobenzene	13.74	146	142247	21.525	ug/L	100
68) 1,2-Dibromo-3-chloropropan	14.35	75	11966	21.424	ug/L	100
69) 1,3,5-Trichlorobenzene	14.50	180	91126	17.459	ug/L	100
70) 1,2,4-trichlorobenzene	15.00	180	79807	18.254	ug/L	100
71) Naphthalene	15.23	128	148116	18.778	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	60543	16.339	ug/L	100

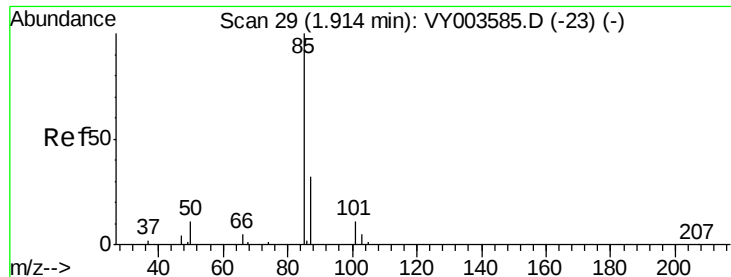
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.962 ug/L

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

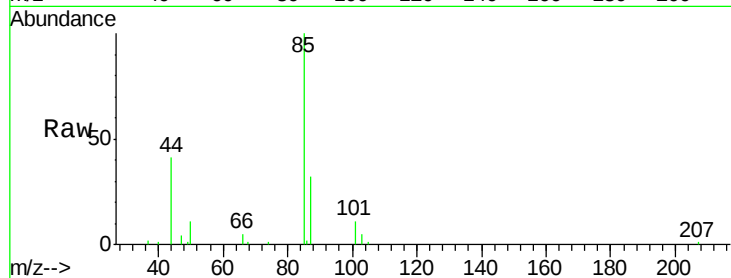
VSTD025404

Tgt Ion: 85 Resp: 25521

Ion Ratio Lower Upper

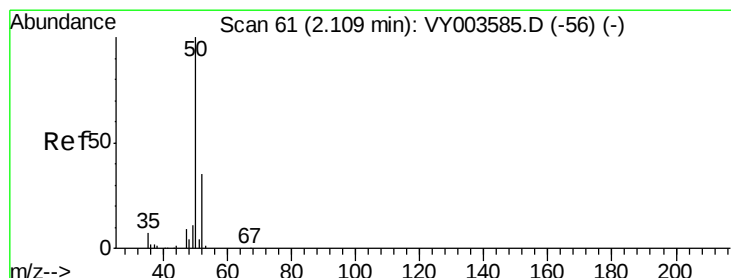
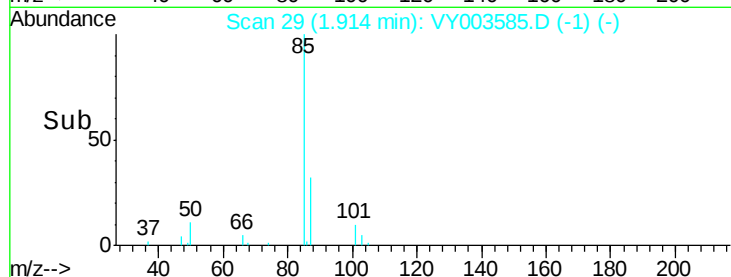
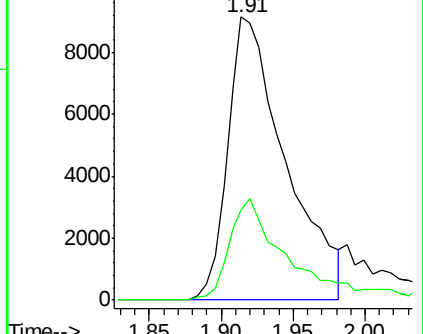
85 100

87 34.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 12.209 ug/L

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY003585.D

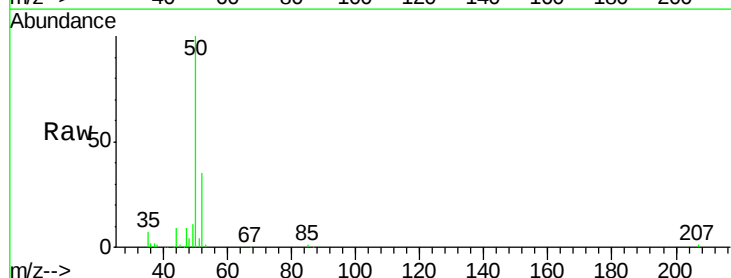
Acq: 23 Nov 2020 11:06

Tgt Ion: 50 Resp: 50213

Ion Ratio Lower Upper

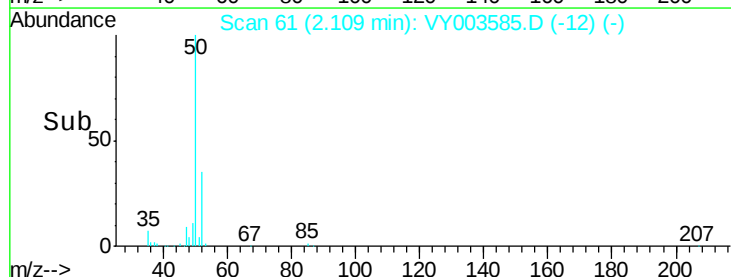
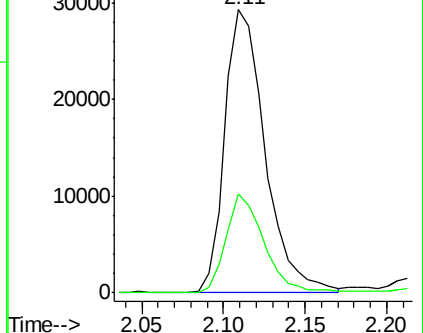
50 100

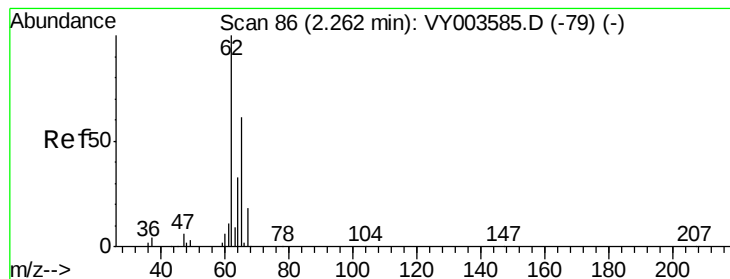
52 34.9 24.4 45.4



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 16.589 ug/L

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

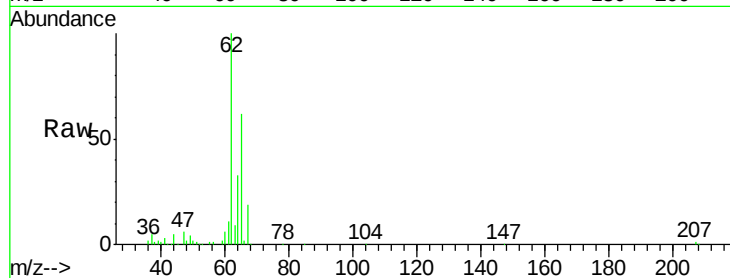
VSTD025404

Tgt Ion: 62 Resp: 77535

Ion Ratio Lower Upper

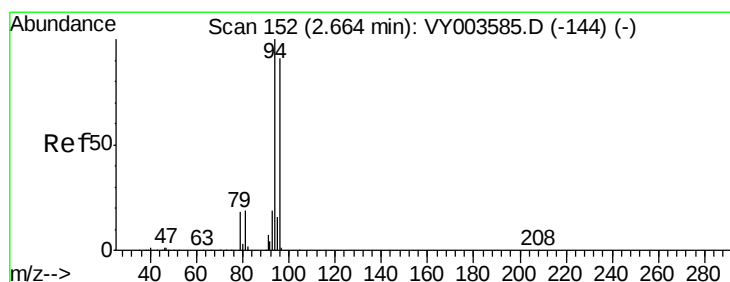
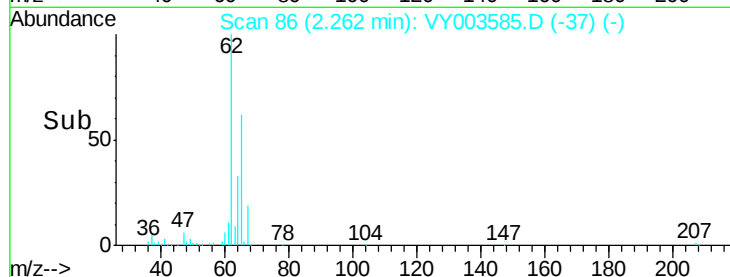
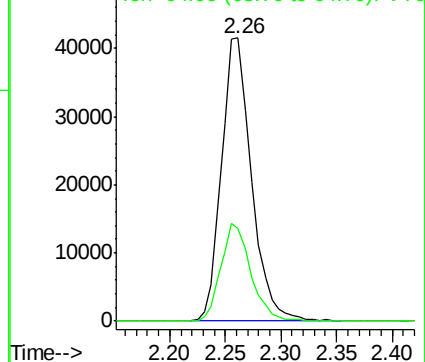
62 100

64 32.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 19.322 ug/L

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY003585.D

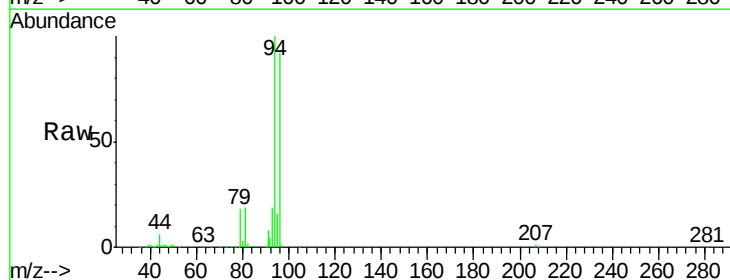
Acq: 23 Nov 2020 11:06

Tgt Ion: 94 Resp: 54080

Ion Ratio Lower Upper

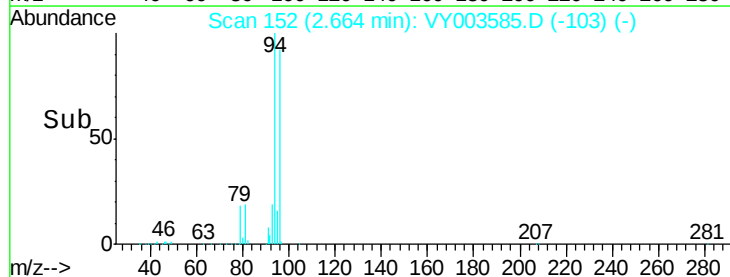
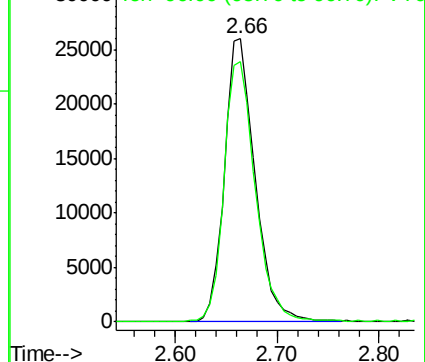
94 100

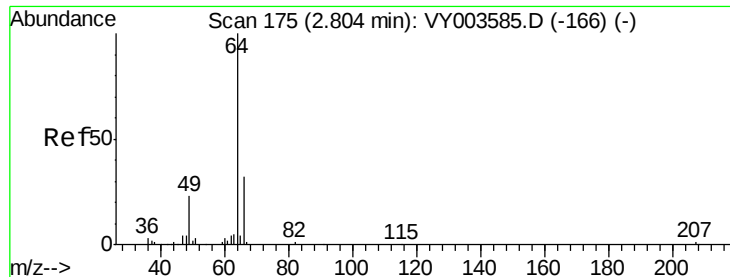
96 92.1 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

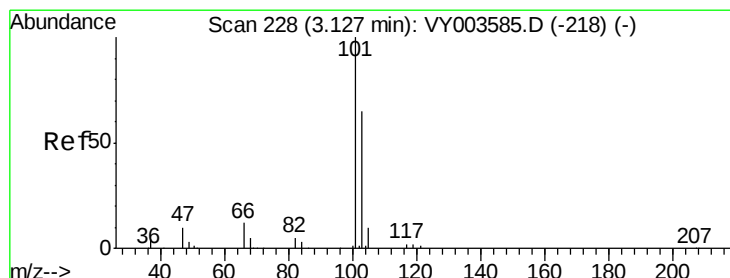
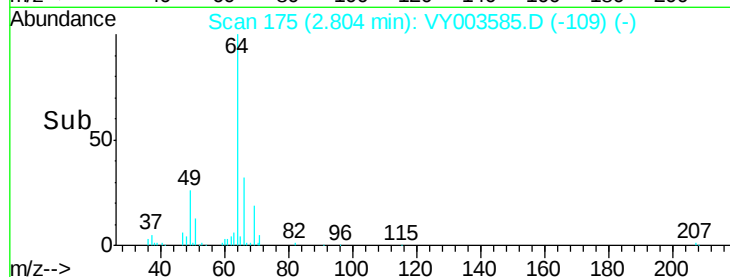
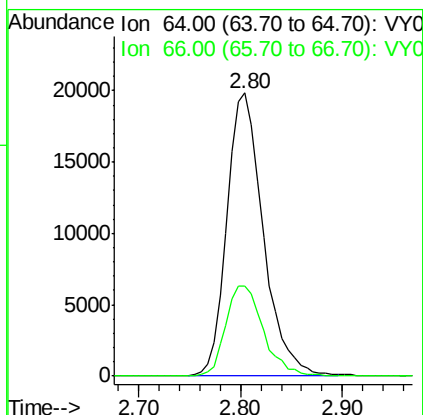
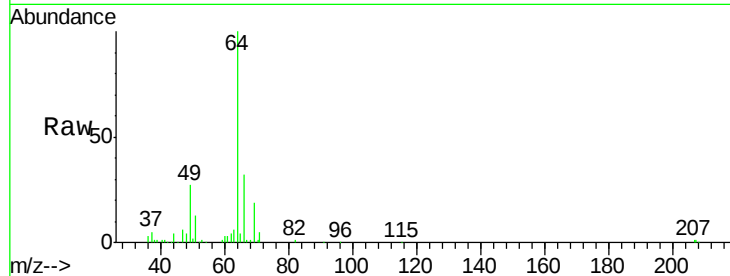




#8
Chloroethane
Concen: 18.862 ug/L
RT: 2.80 min Scan# 175
Delta R.T. 0.00 min
Lab File: VY003585.D
Acq: 23 Nov 2020 11:06

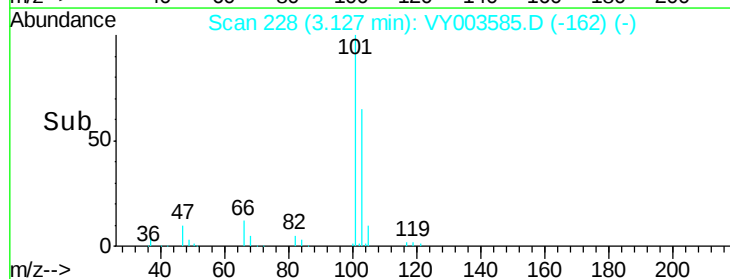
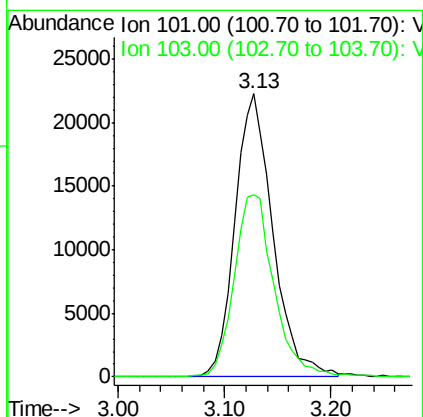
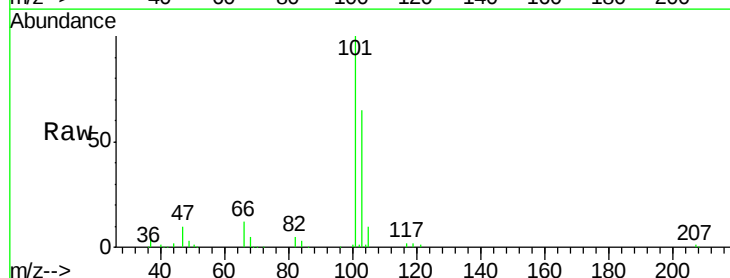
Instrument :
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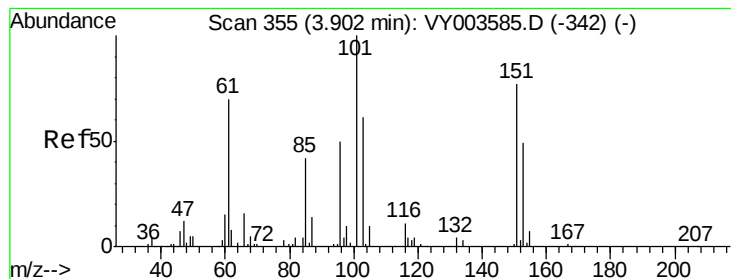
Tgt Ion: 64 Resp: 49009
Ion Ratio Lower Upper
64 100
66 31.7 22.2 41.2



#9
Trichlorofluoromethane
Concen: 11.057 ug/L
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY003585.D
Acq: 23 Nov 2020 11:06

Tgt Ion: 101 Resp: 55648
Ion Ratio Lower Upper
101 100
103 67.5 54.0 81.0





#10

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

Concen: 23.153 ug/L

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025404

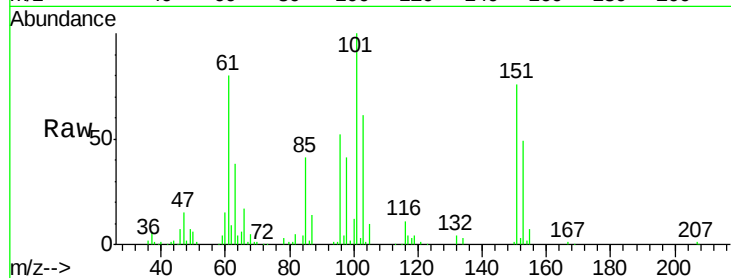
Tgt Ion:101 Resp: 75970

Ion Ratio Lower Upper

101 100

85 42.6 34.1 51.1

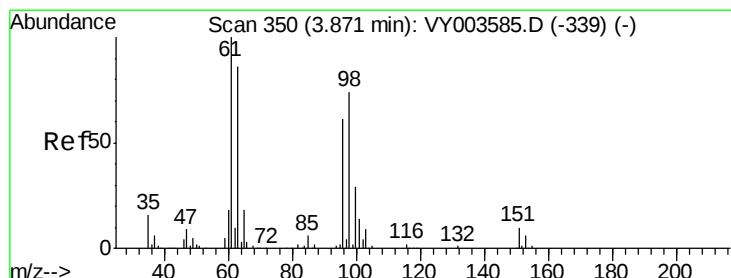
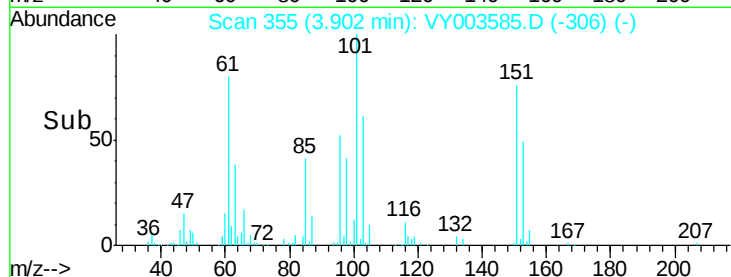
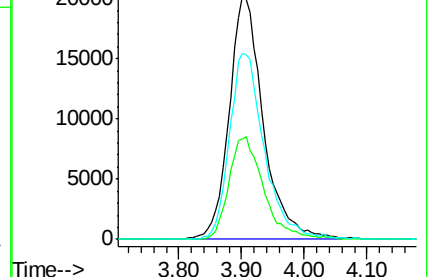
151 75.7 60.6 90.8



Abundance Ion 101.00 (100.70 to 101.70): VY003585.D (-342) (-)

Ion 85.00 (84.70 to 85.70): VY003585.D (-342) (-)

Ion 151.00 (150.70 to 151.70): VY003585.D (-342) (-)



#12

1,1-Dichloroethene

Concen: 24.971 ug/L

RT: 3.87 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

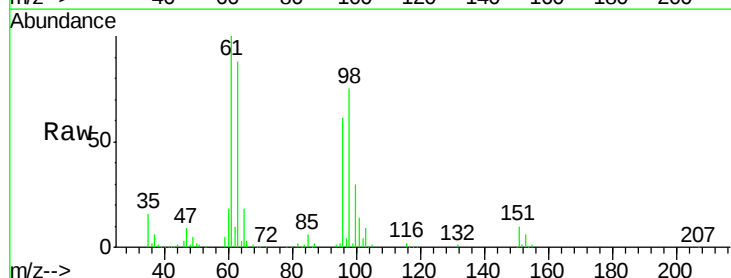
Tgt Ion: 96 Resp: 78398

Ion Ratio Lower Upper

96 100

61 163.6 114.5 212.7

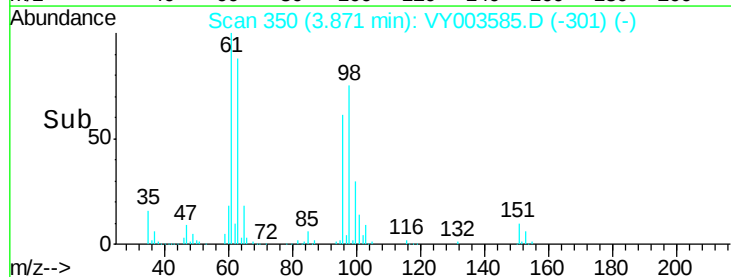
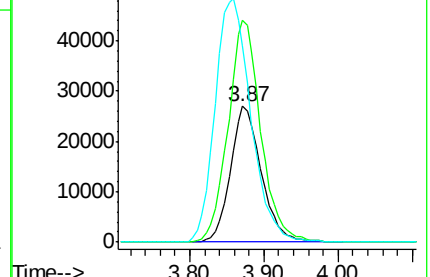
63 144.0 100.8 187.2

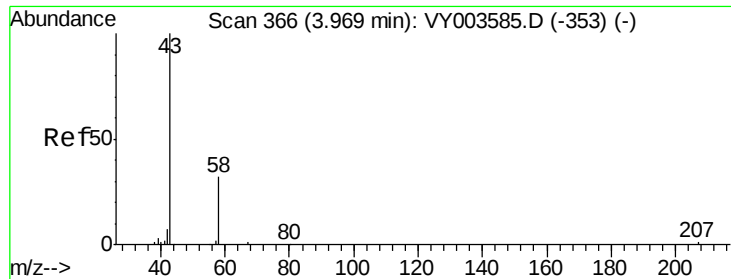


Abundance Ion 96.00 (95.70 to 96.70): VY003585.D (-339) (-)

Ion 61.00 (60.70 to 61.70): VY003585.D (-339) (-)

Ion 63.00 (62.70 to 63.70): VY003585.D (-339) (-)





#13

Acetone

Concen: 52.550 ug/L

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampled :

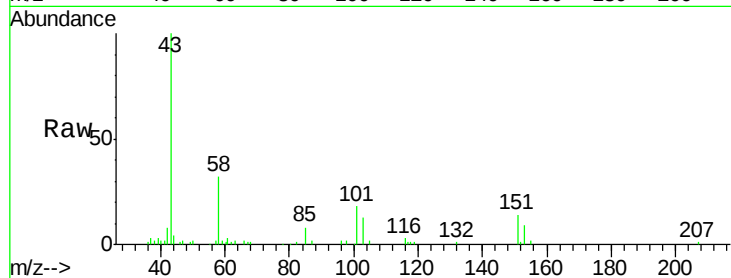
VSTD025404

Tgt Ion: 43 Resp: 42346

Ion Ratio Lower Upper

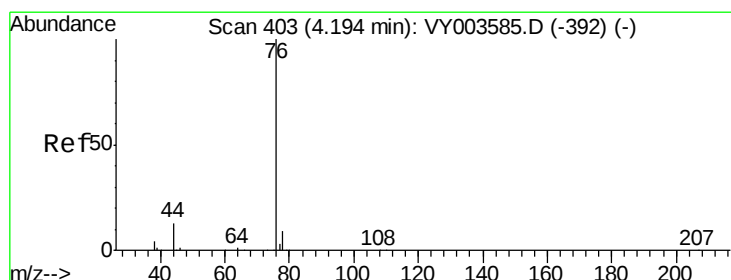
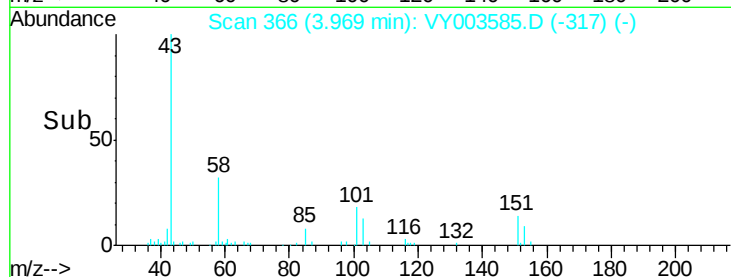
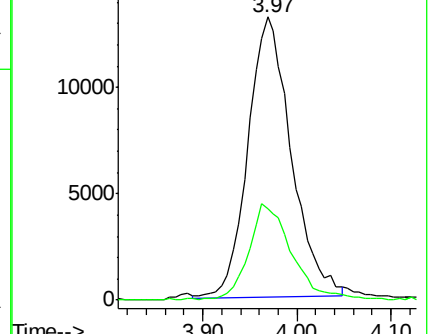
43 100

58 34.2 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: 22.780 ug/L

RT: 4.19 min Scan# 403

Delta R.T. 0.00 min

Lab File: VY003585.D

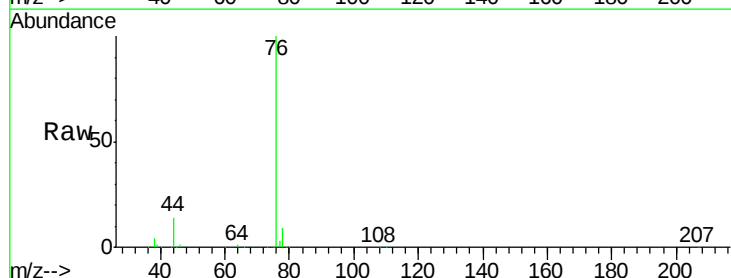
Acq: 23 Nov 2020 11:06

Tgt Ion: 76 Resp: 250669

Ion Ratio Lower Upper

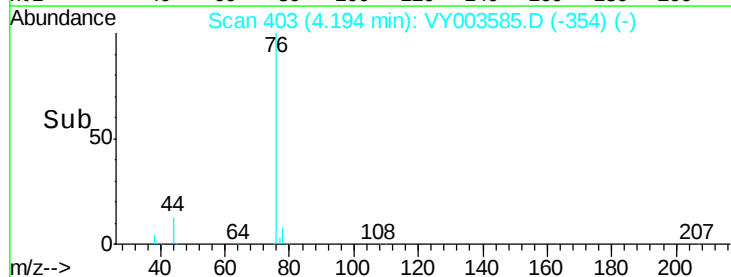
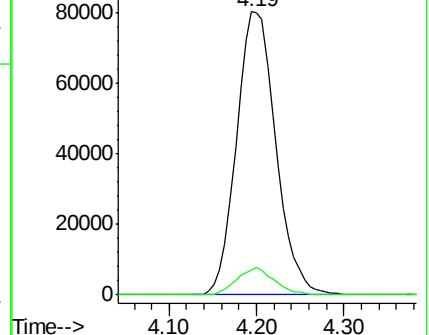
76 100

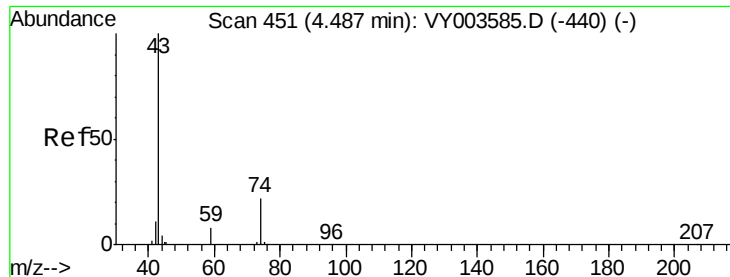
78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





#15

Methyl Acetate

Concen: 29.615 ug/L

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

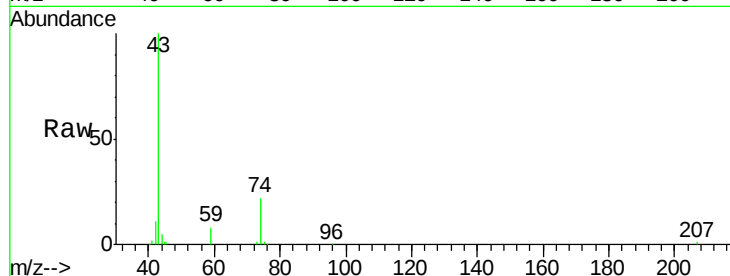
VSTD025404

Tgt Ion: 43 Resp: 58175

Ion Ratio Lower Upper

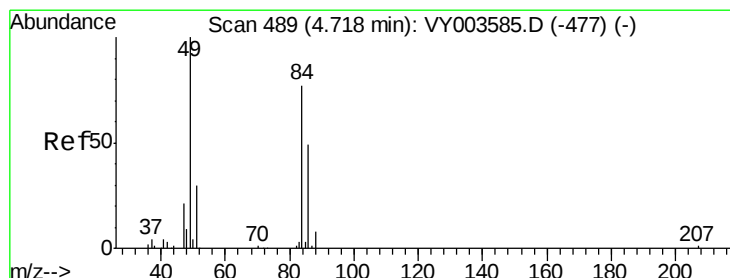
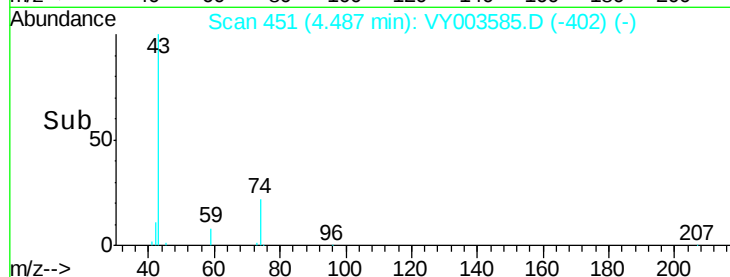
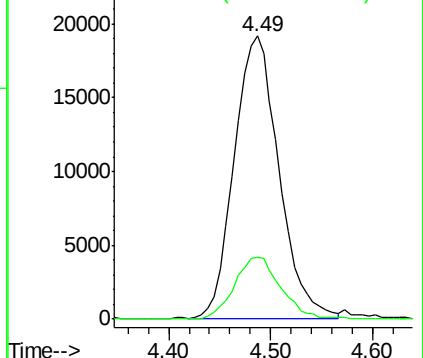
43 100

74 22.5 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: 22.875 ug/L

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

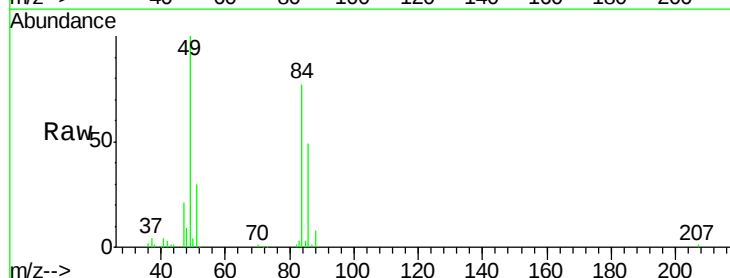
Tgt Ion: 84 Resp: 90096

Ion Ratio Lower Upper

84 100

86 64.6 45.2 84.0

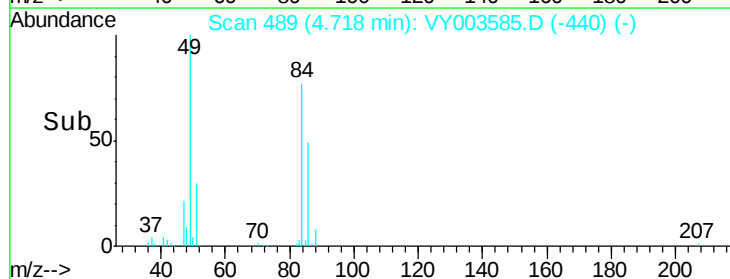
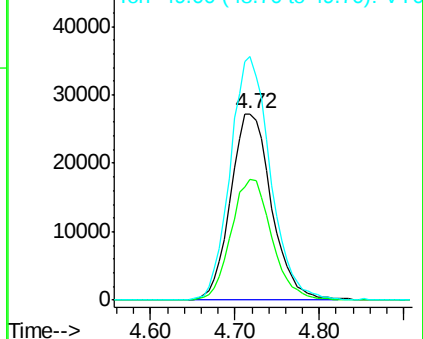
49 130.7 91.5 169.9

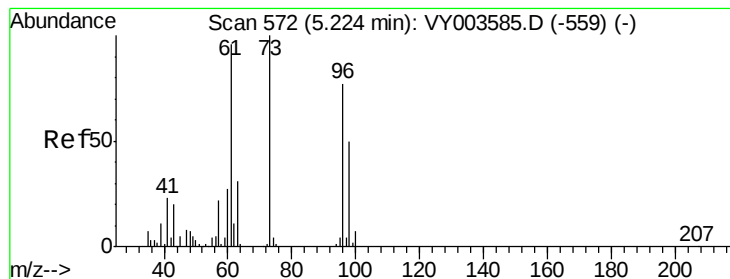


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

Ion 49.00 (48.70 to 49.70): VY0





#17

trans-1,2-Dichloroethene

Concen: 24.441 ug/L

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025404

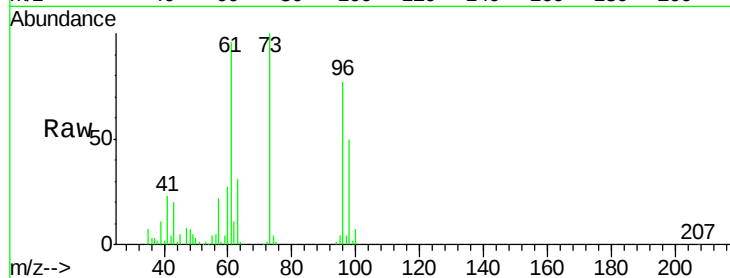
Tgt Ion: 96 Resp: 82718

Ion Ratio Lower Upper

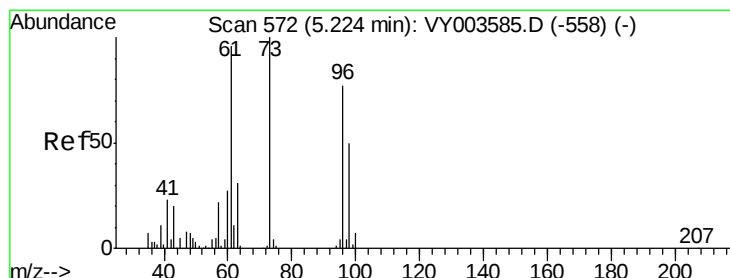
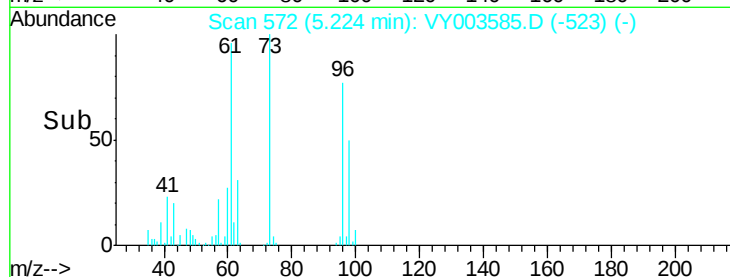
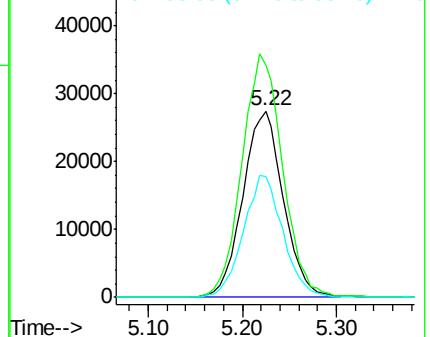
96 100

61 124.5 87.2 161.9

98 64.6 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



#18

Methyl tert-butyl Ether

Concen: 16.632 ug/L

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

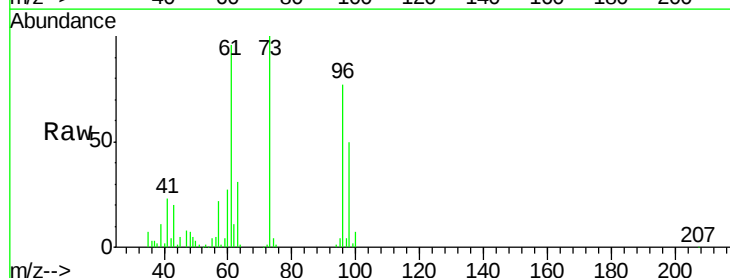
Tgt Ion: 73 Resp: 126839

Ion Ratio Lower Upper

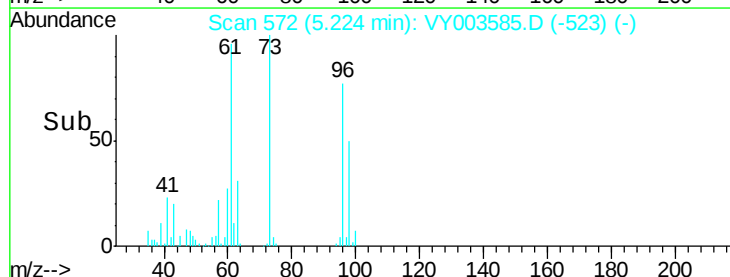
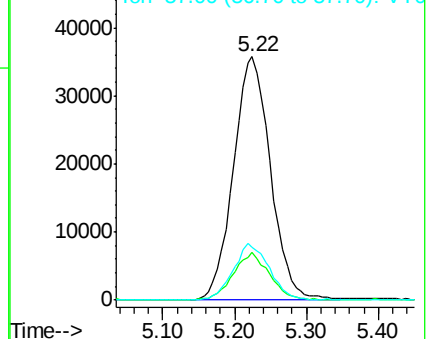
73 100

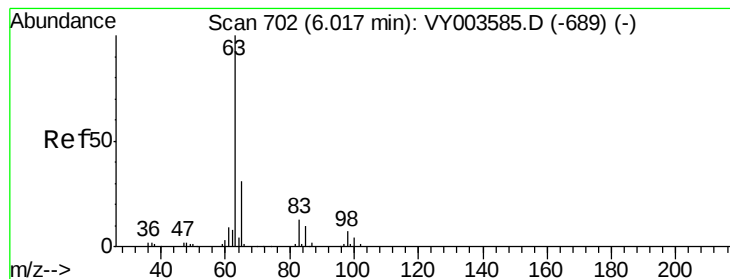
43 19.4 15.5 23.3

57 22.8 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0





#19

1,1-Dichloroethane

Concen: 24.258 ug/L

RT: 6.02 min Scan# 702

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025404

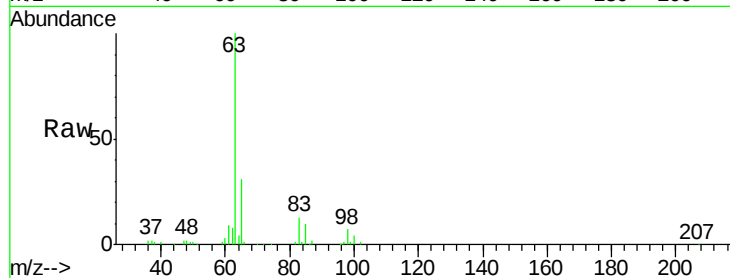
Tgt Ion: 63 Resp: 143375

Ion Ratio Lower Upper

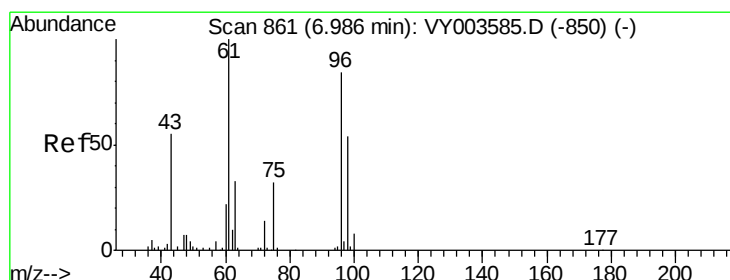
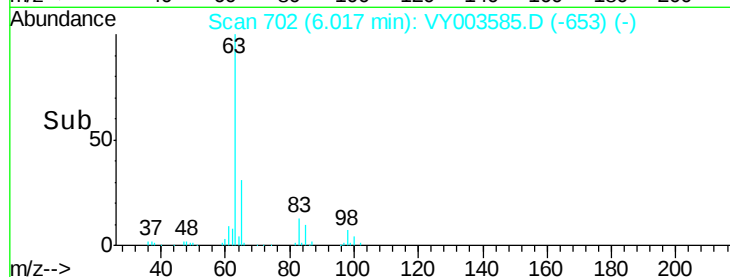
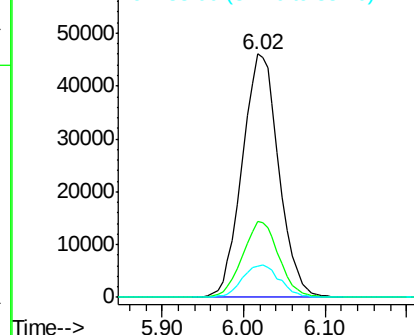
63 100

65 31.0 21.7 40.3

83 12.7 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 65.00 (64.70 to 65.70): VY0
Ion 83.00 (82.70 to 83.70): VY0



#20

cis-1,2-Dichloroethene

Concen: 24.523 ug/L

RT: 6.99 min Scan# 861

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

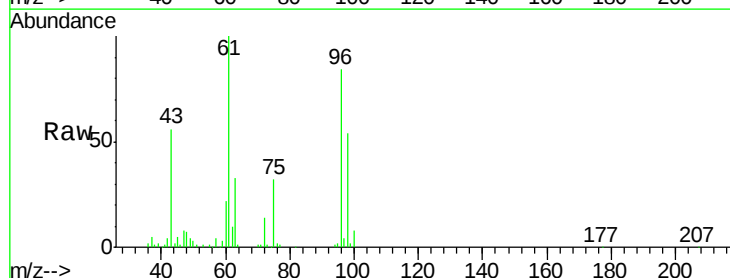
Tgt Ion: 96 Resp: 86933

Ion Ratio Lower Upper

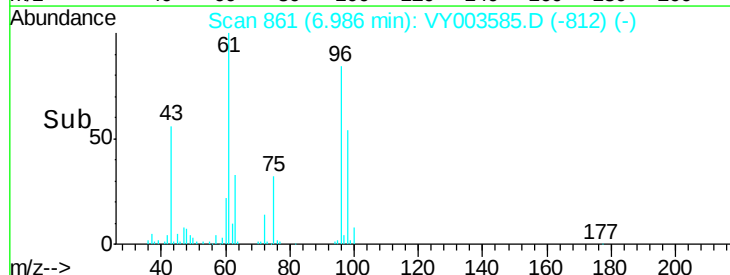
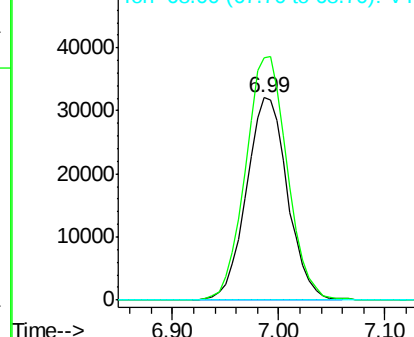
96 100

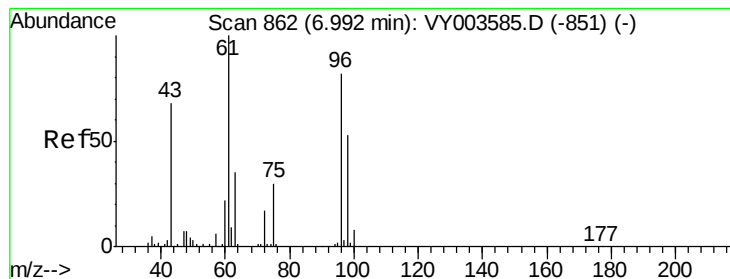
61 119.5 83.7 155.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 68.00 (67.70 to 68.70): VY0





#22

2-Butanone

Concen: 57.718 ug/L

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

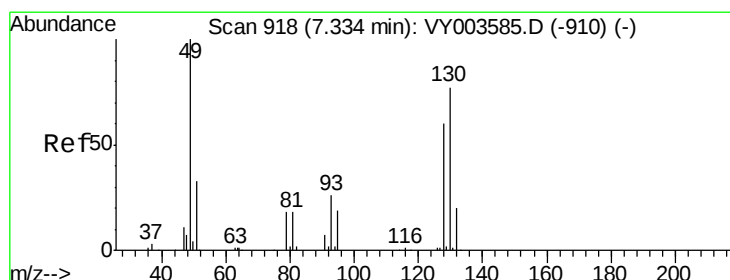
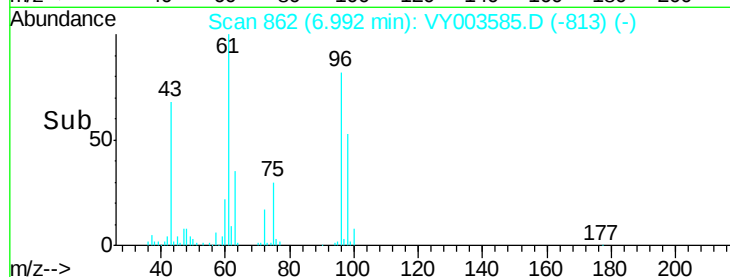
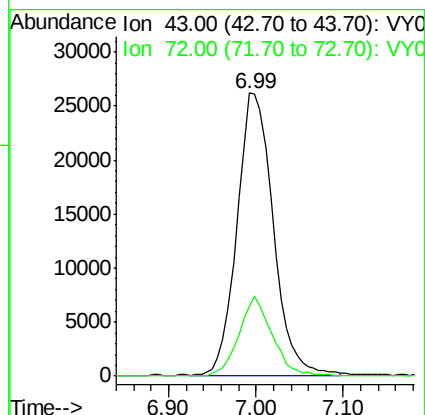
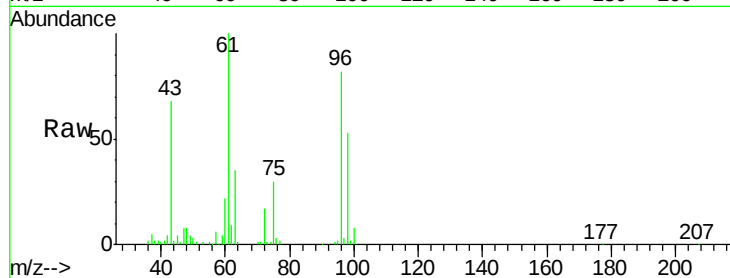
VSTD025404

Tgt Ion: 43 Resp: 75252

Ion Ratio Lower Upper

43 100

72 25.9 13.0 38.9



#23

Bromochloromethane

Concen: 24.760 ug/L

RT: 7.33 min Scan# 918

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Tgt Ion: 128 Resp: 42351

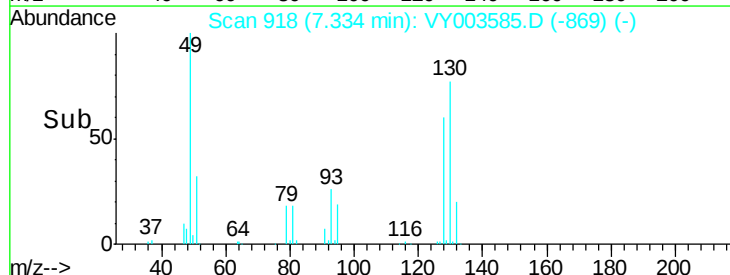
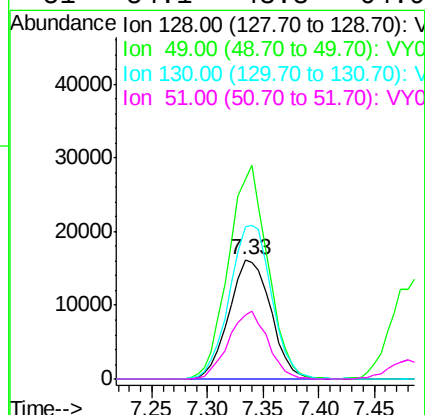
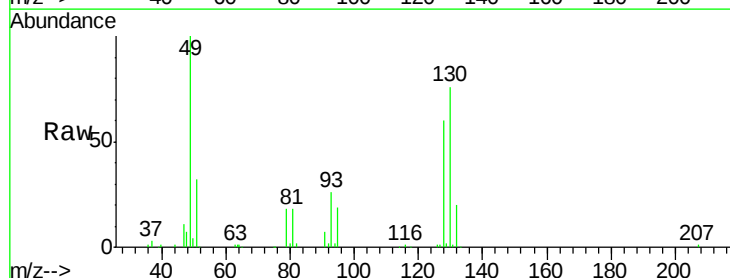
Ion Ratio Lower Upper

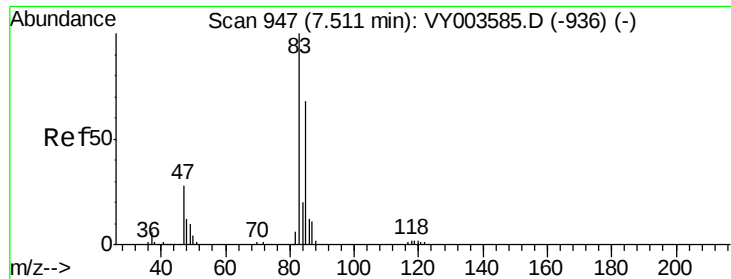
128 100

49 167.3 117.1 217.5

130 127.7 89.4 166.0

51 54.1 43.3 64.9





#25

Chloroform

Concen: 20.994 ug/L

RT: 7.51 min Scan# 947

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

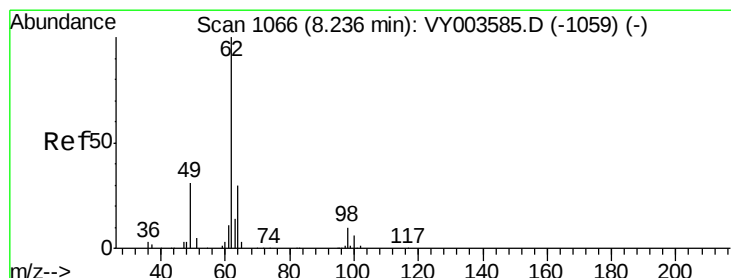
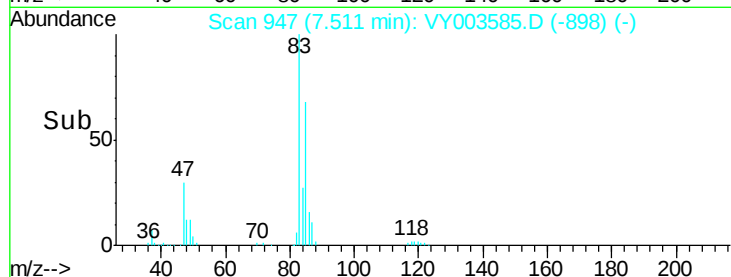
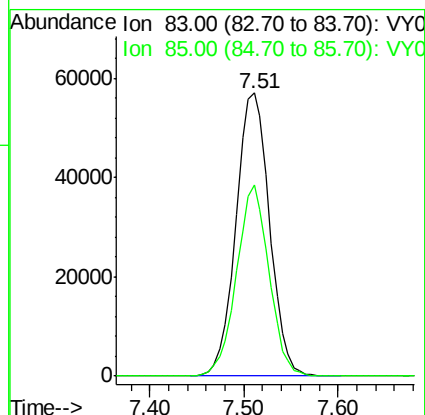
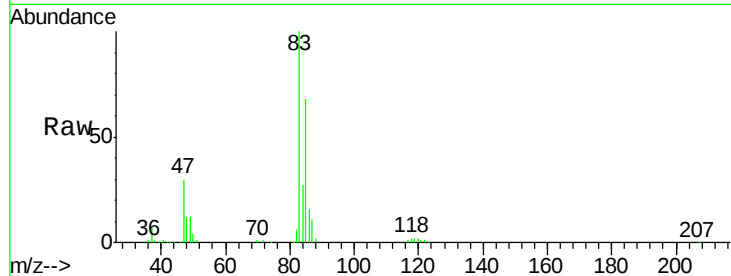
VSTD025404

Tgt Ion: 83 Resp: 141180

Ion Ratio Lower Upper

83 100

85 67.7 47.4 88.0



#27

1,2-Dichloroethane

Concen: 23.607 ug/L

RT: 8.24 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VY003585.D

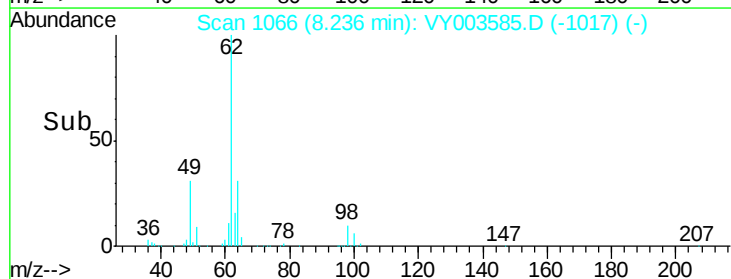
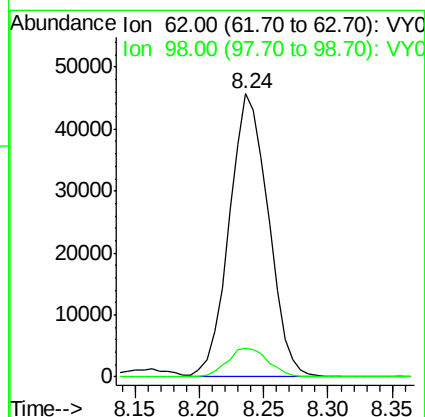
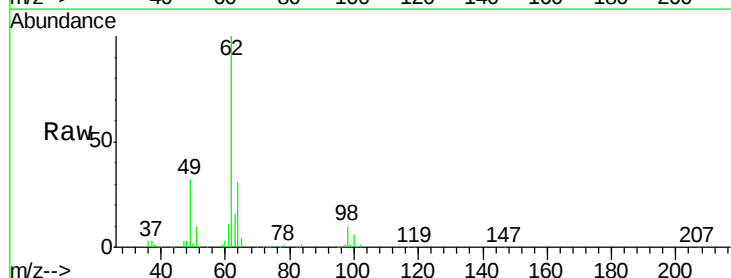
Acq: 23 Nov 2020 11:06

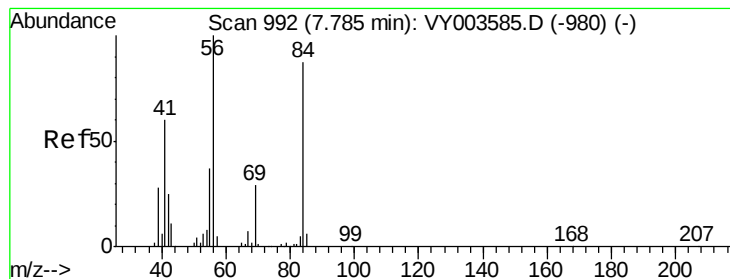
Tgt Ion: 62 Resp: 96452

Ion Ratio Lower Upper

62 100

98 9.9 7.9 11.9





#29

Cyclohexane

Concen: 22.939 ug/L

RT: 7.78 min Scan# 992

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025404

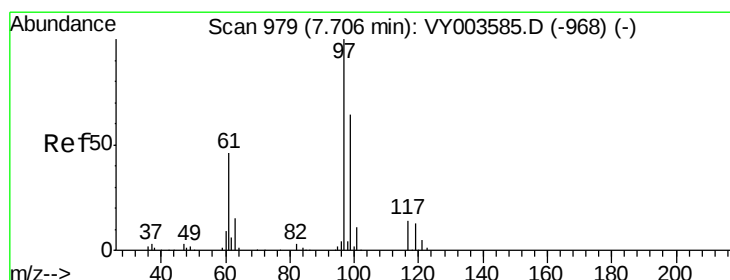
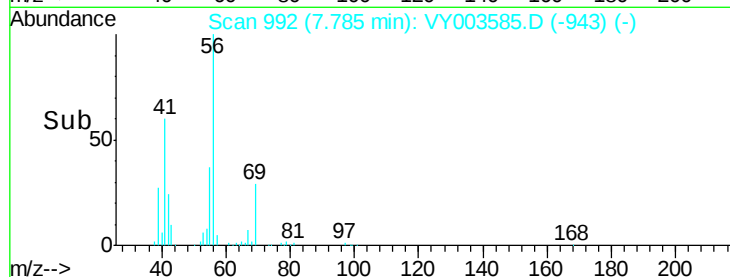
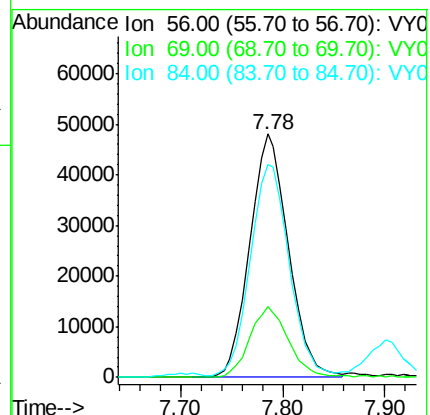
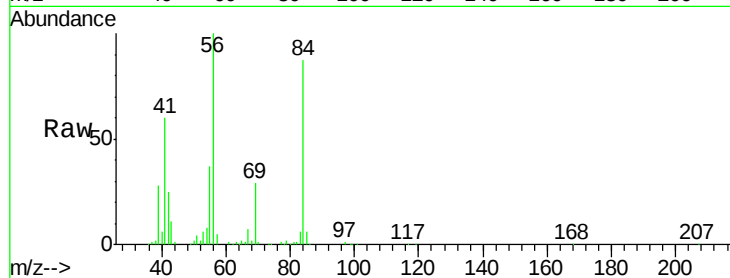
Tgt Ion: 56 Resp: 126502

Ion Ratio Lower Upper

56 100

69 29.1 23.3 34.9

84 88.2 70.6 105.8



#30

1,1,1-Trichloroethane

Concen: 20.640 ug/L

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

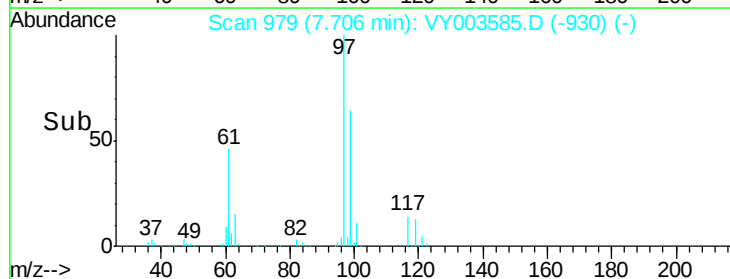
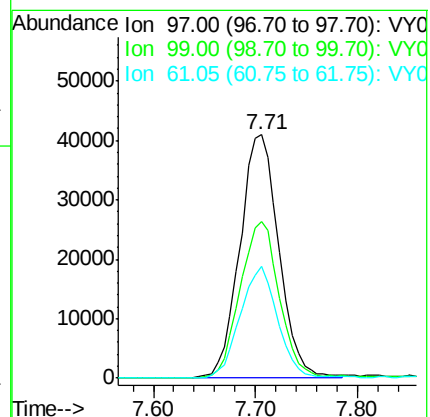
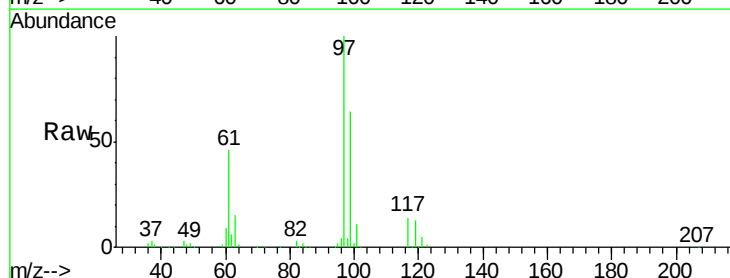
Tgt Ion: 97 Resp: 108909

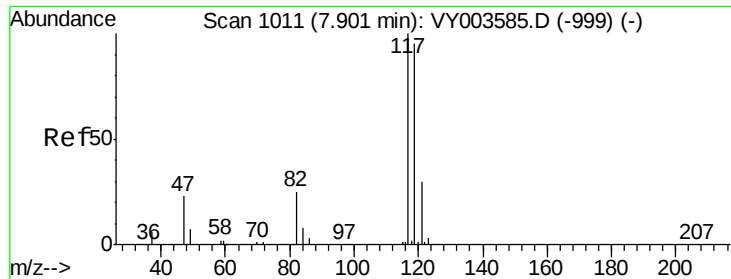
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 43.9 35.1 52.7

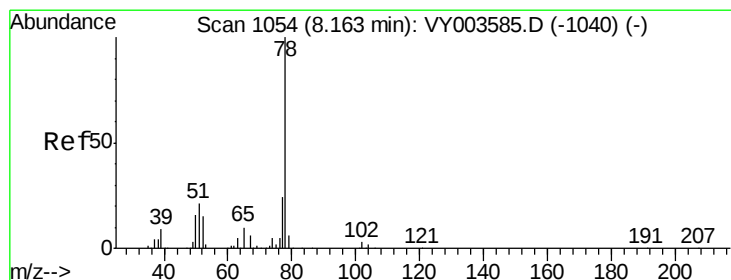
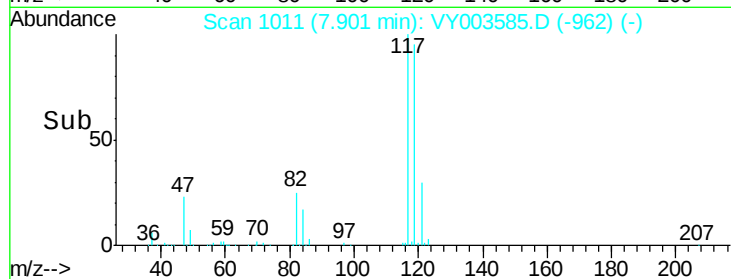
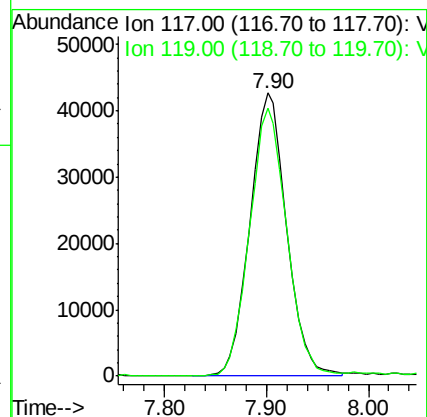
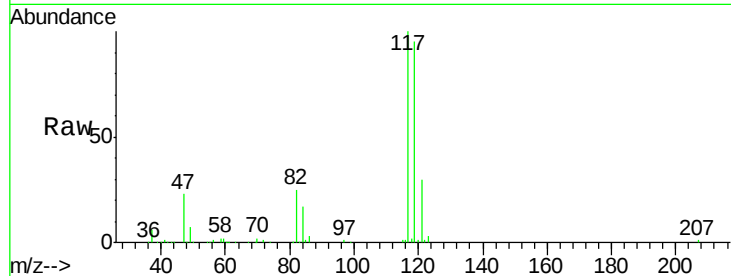




#31
Carbon tetrachloride
Concen: 22.344 ug/L
RT: 7.90 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VY003585.D
Acq: 23 Nov 2020 11:06

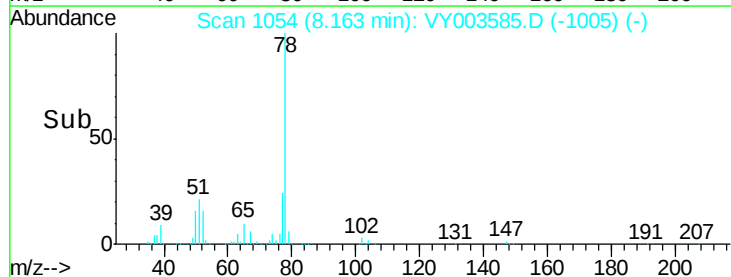
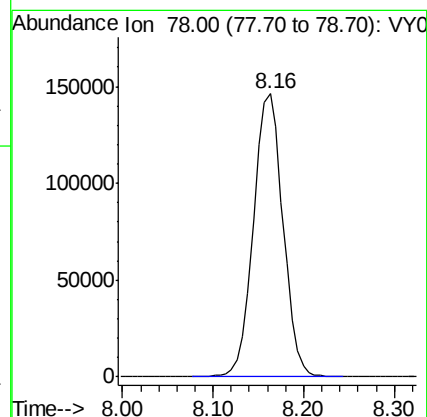
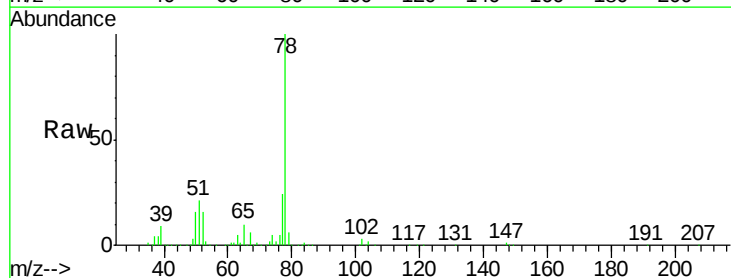
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025404

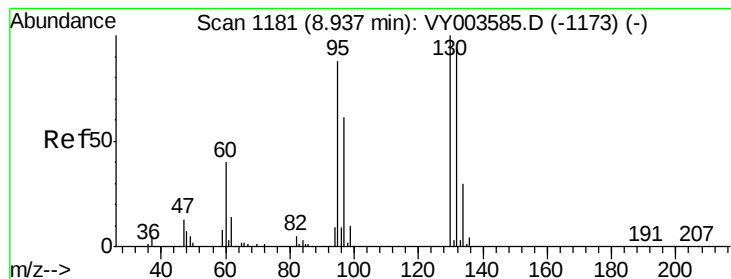
Tgt Ion:117 Resp: 106838
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



#33
Benzene
Concen: 24.858 ug/L
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003585.D
Acq: 23 Nov 2020 11:06

Tgt Ion: 78 Resp: 330203





#34

Trichloroethene

Concen: 23.041 ug/L

RT: 8.94 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025404

Tgt Ion: 95 Resp: 81279

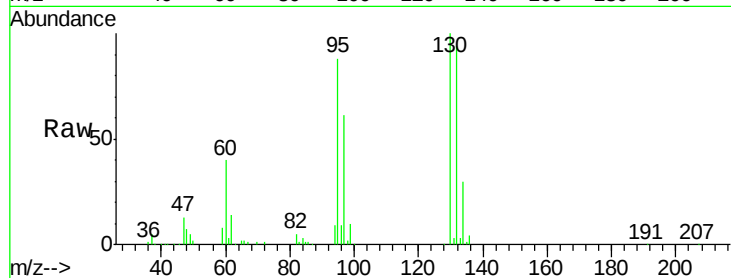
Ion Ratio Lower Upper

95 100

97 69.7 48.8 90.6

132 107.0 74.9 139.1

130 113.4 79.4 147.4

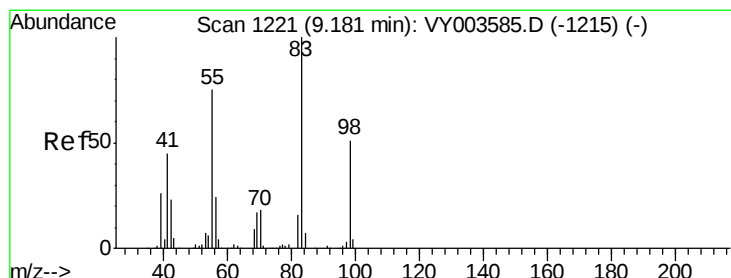
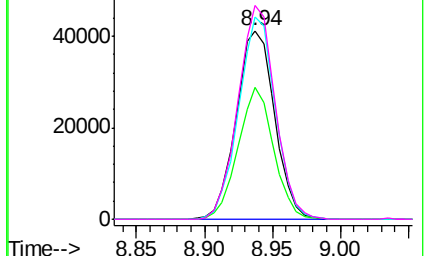
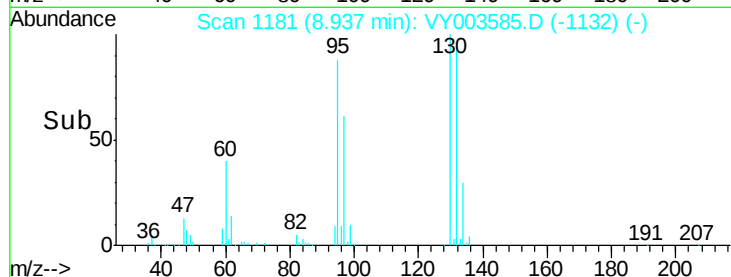


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 22.440 ug/L

RT: 9.18 min Scan# 1221

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

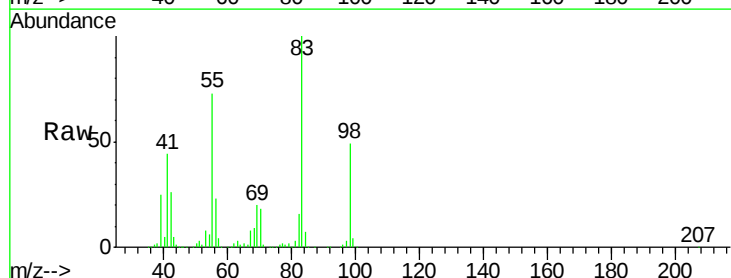
Tgt Ion: 83 Resp: 131358

Ion Ratio Lower Upper

83 100

55 73.8 59.0 88.6

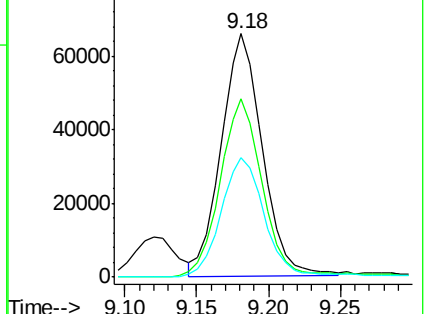
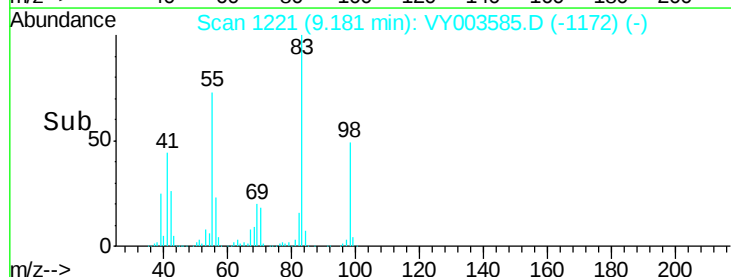
98 50.3 40.2 60.4

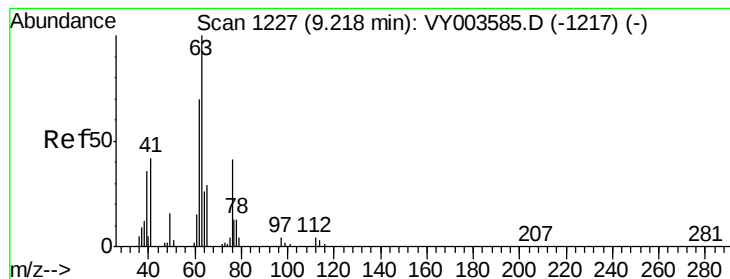


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#37

1,2-Dichloropropane

Concen: 24.797 ug/L

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

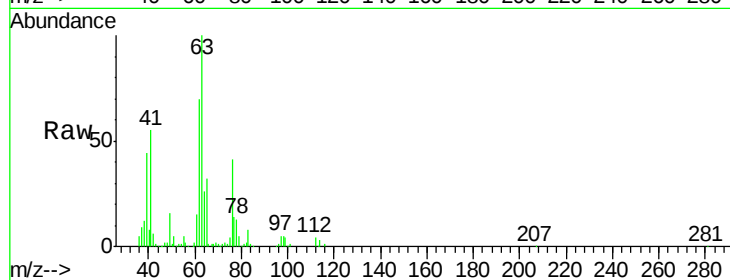
VSTD025404

Tgt Ion: 63 Resp: 83106

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2

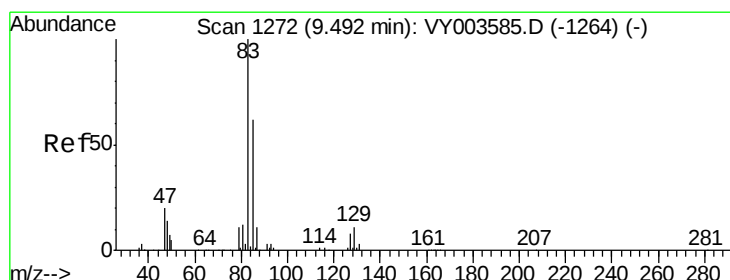
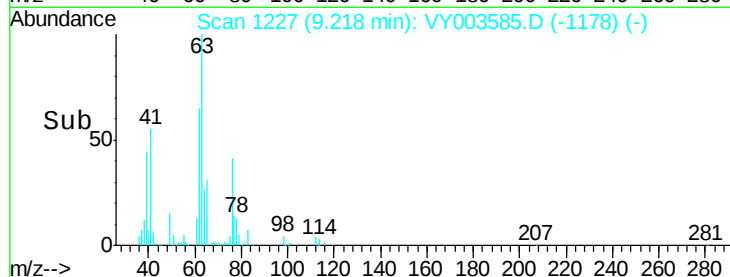


Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V

9.22

Time--> 9.10 9.15 9.20 9.25 9.30



#38

Bromodichloromethane

Concen: 24.071 ug/L

RT: 9.49 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

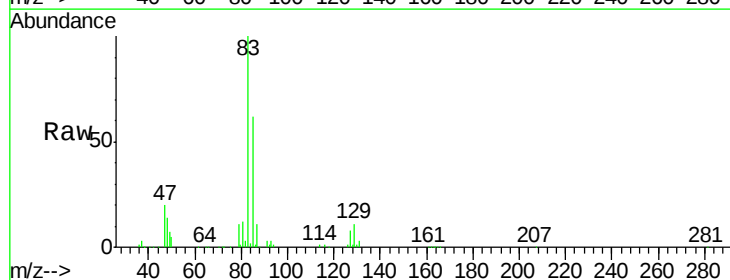
Tgt Ion: 83 Resp: 105806

Ion Ratio Lower Upper

83 100

85 62.2 43.5 80.9

127 8.1 6.5 9.7



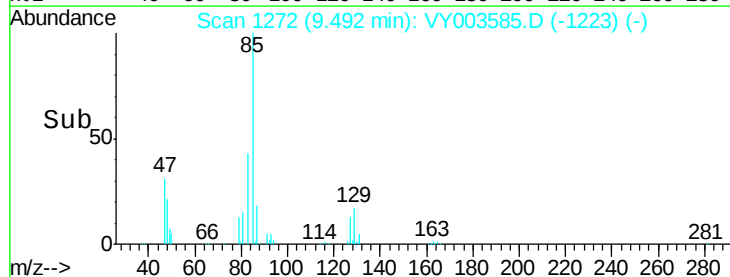
Abundance Ion 83.00 (82.70 to 83.70): VY0

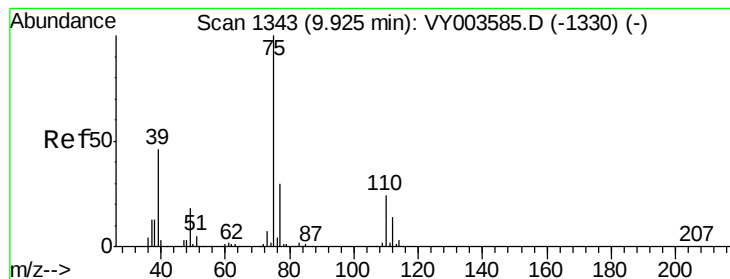
Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V

9.49

Time--> 9.40 9.45 9.50 9.55





#39

cis-1,3-Dichloropropene

Concen: 25.181 ug/L

RT: 9.92 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

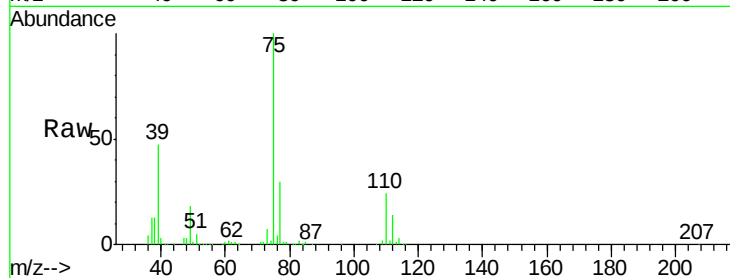
VSTD025404

Tgt Ion: 75 Resp: 134019

Ion Ratio Lower Upper

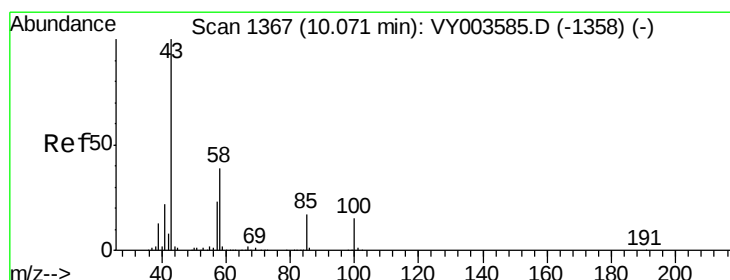
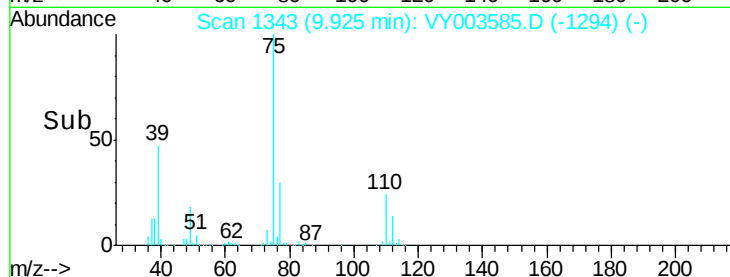
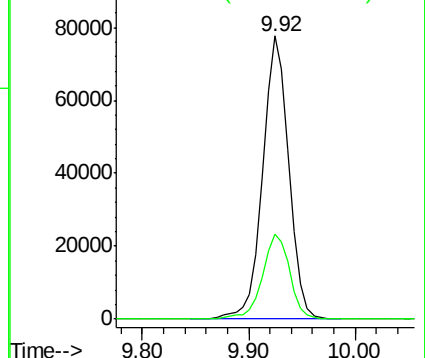
75 100

77 29.9 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: 54.783 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

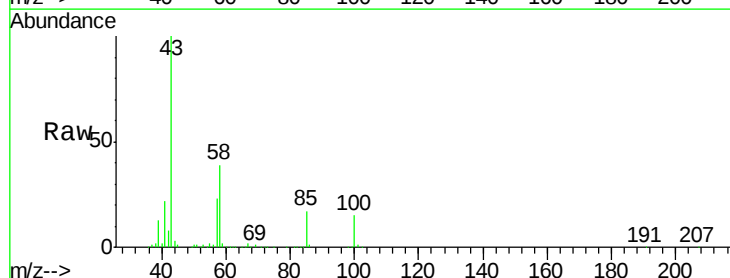
Tgt Ion: 43 Resp: 148945

Ion Ratio Lower Upper

43 100

58 37.2 29.8 44.6

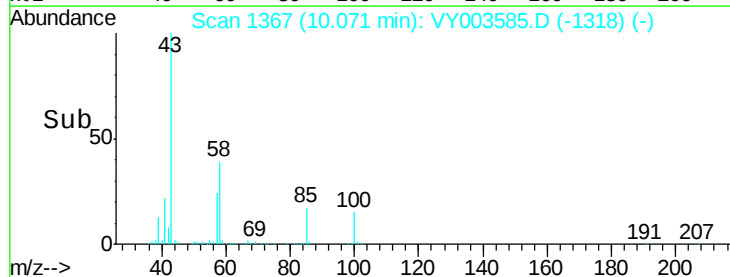
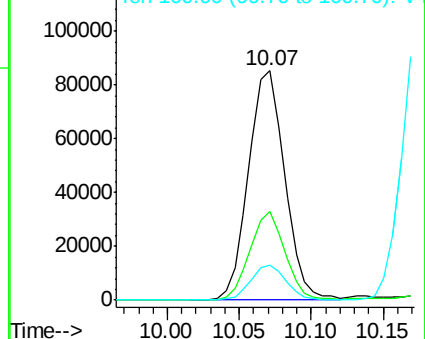
100 15.0 12.0 18.0

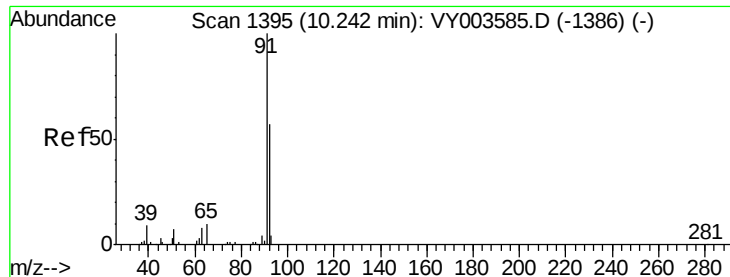


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 24.784 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

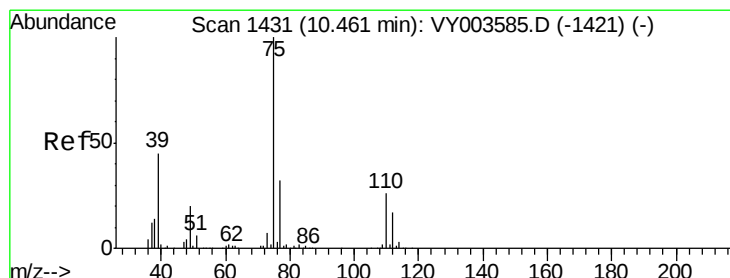
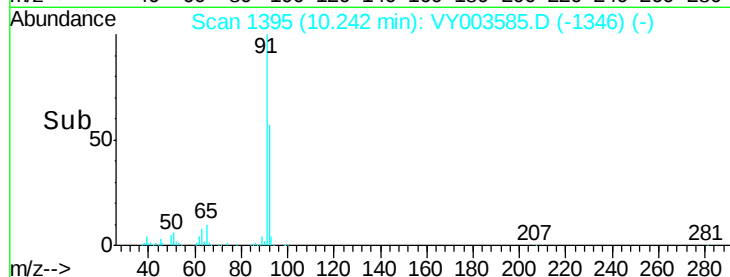
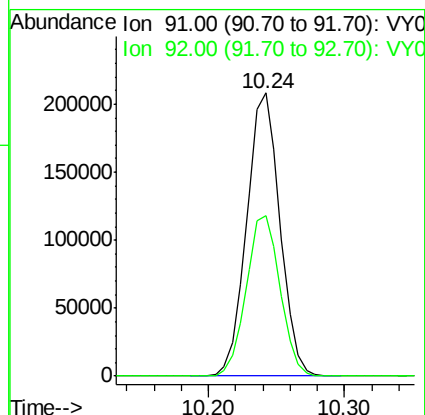
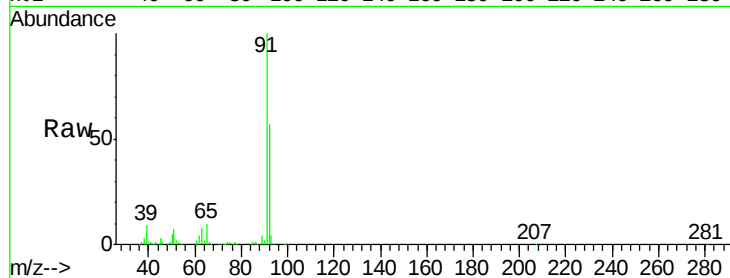
VSTD025404

Tgt Ion: 91 Resp: 355707

Ion Ratio Lower Upper

91 100

92 56.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 25.175 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VY003585.D

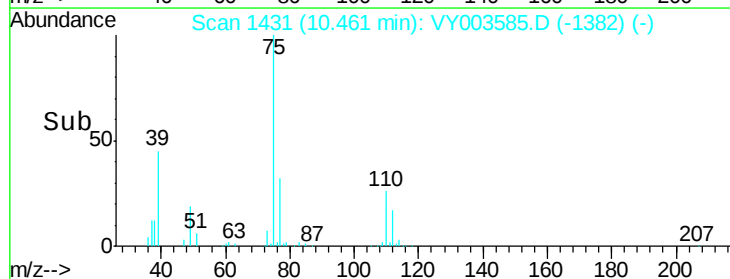
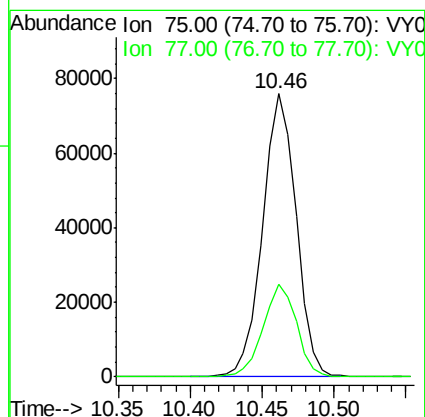
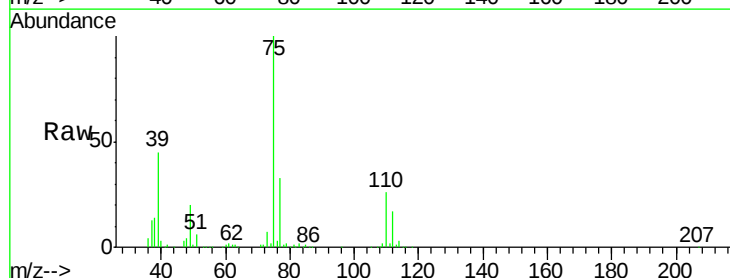
Acq: 23 Nov 2020 11:06

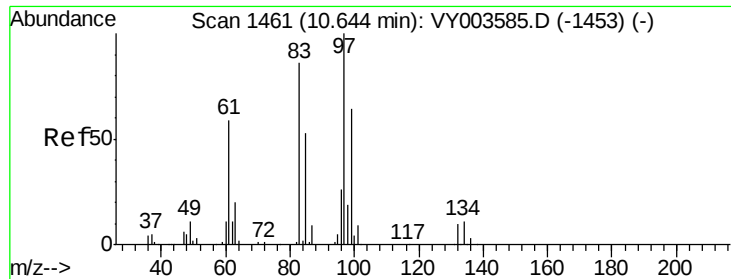
Tgt Ion: 75 Resp: 122694

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5

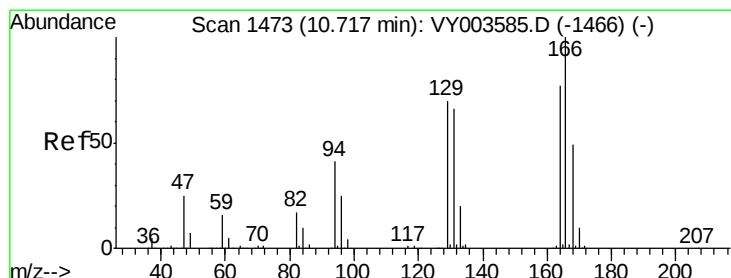
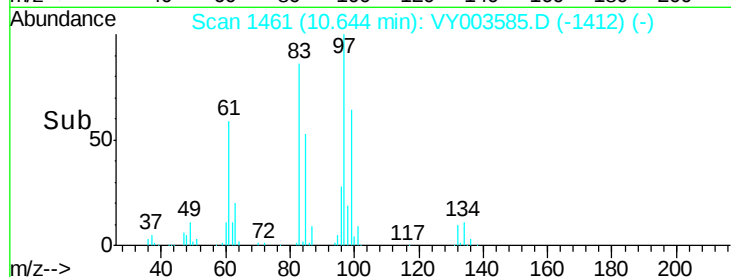
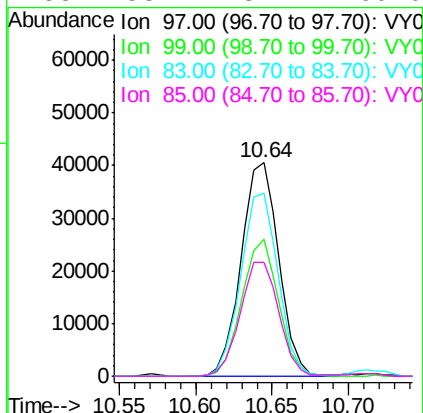
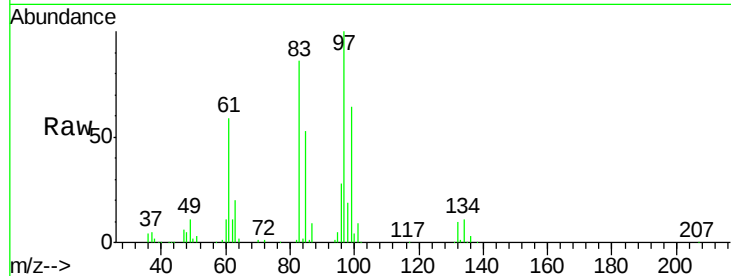




#45
 1,1,2-Trichloroethane
 Concen: 26.115 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003585.D
 Acq: 23 Nov 2020 11:06

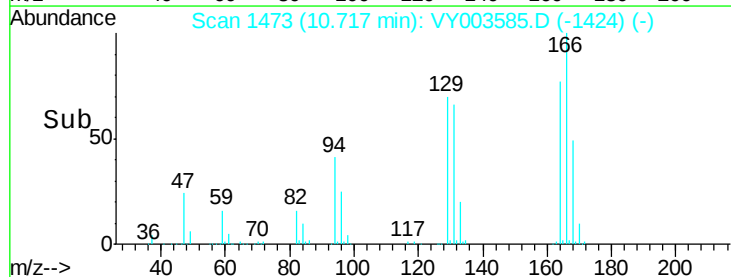
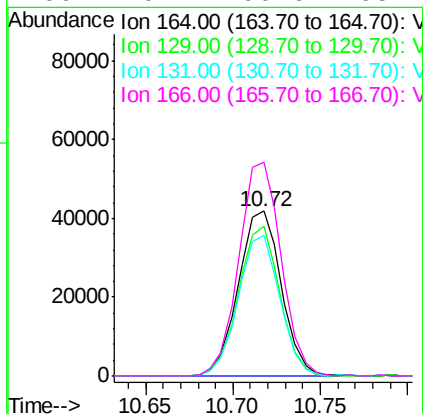
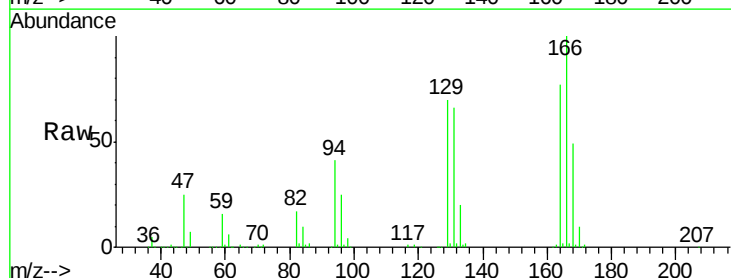
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025404

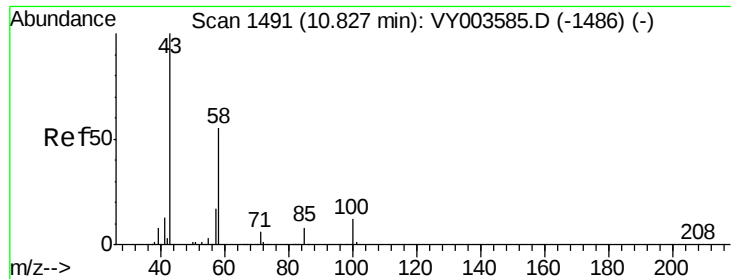
Tgt Ion:	97	Resp:	69350
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.9	83.5
83	85.5	59.8	111.1
85	53.1	37.2	69.0



#46
 Tetrachloroethene
 Concen: 22.792 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: VY003585.D
 Acq: 23 Nov 2020 11:06

Tgt Ion:	164	Resp:	71761
Ion	Ratio	Lower	Upper
164	100		
129	90.7	63.5	117.9
131	85.1	59.6	110.6
166	129.4	90.6	168.2

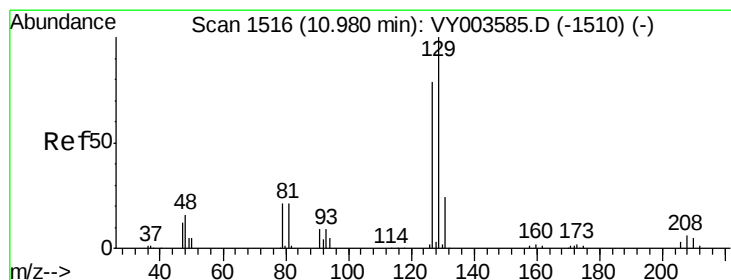
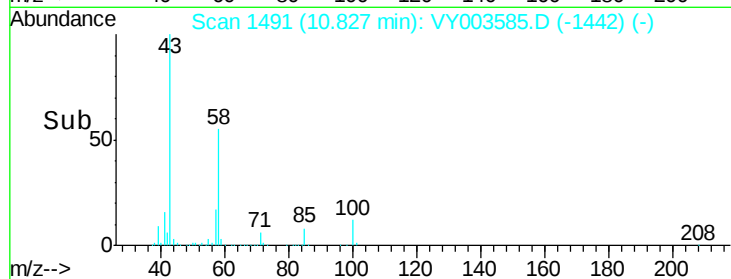
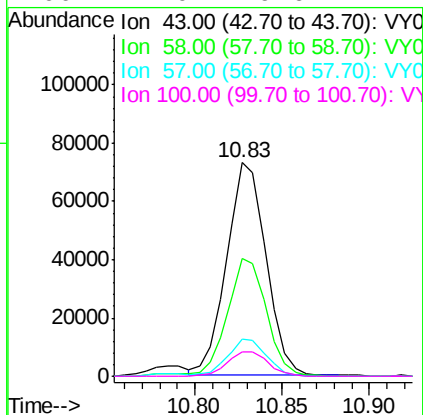
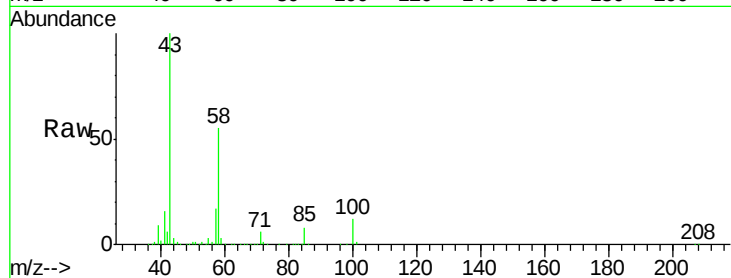




#48
2-Hexanone
Concen: 58.453 ug/L
RT: 10.83 min Scan# 1491
Delta R.T. 0.00 min
Lab File: VY003585.D
Acq: 23 Nov 2020 11:06

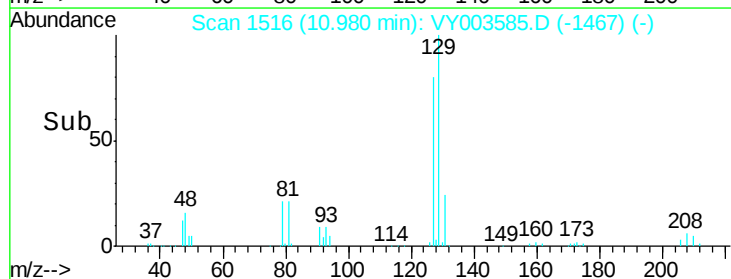
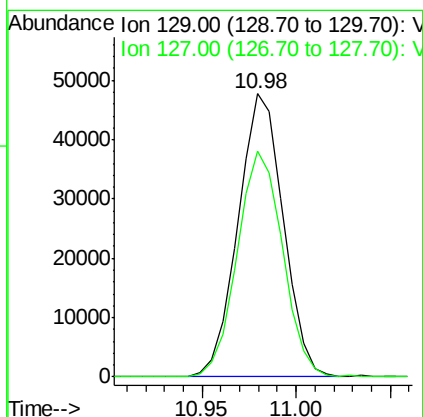
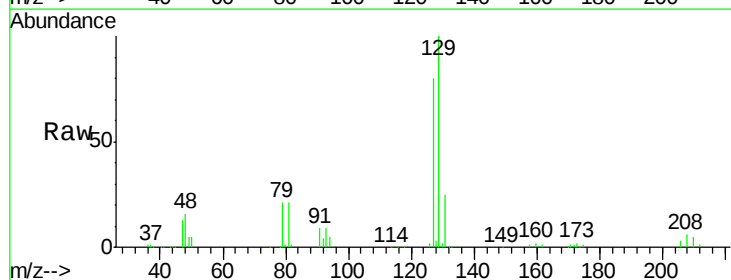
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025404

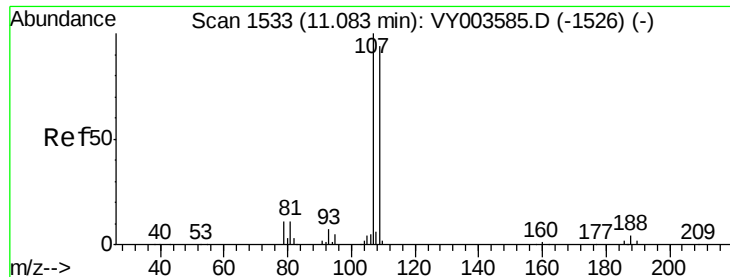
Tgt Ion:	43	Resp:	114686
Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.9	65.9
57	17.6	14.1	21.1
100	12.0	9.6	14.4



#49
Dibromochloromethane
Concen: 24.440 ug/L
RT: 10.98 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VY003585.D
Acq: 23 Nov 2020 11:06

Tgt Ion:	129	Resp:	79460
Ion	Ratio	Lower	Upper
129	100		
127	79.6	55.7	103.5

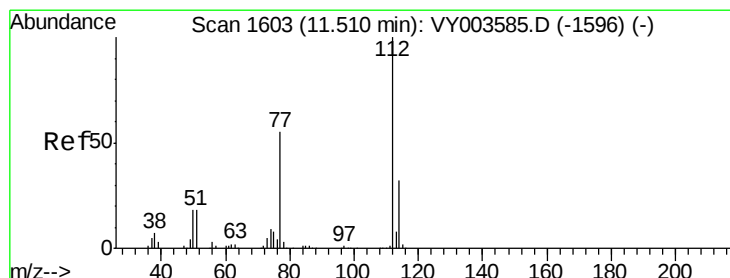
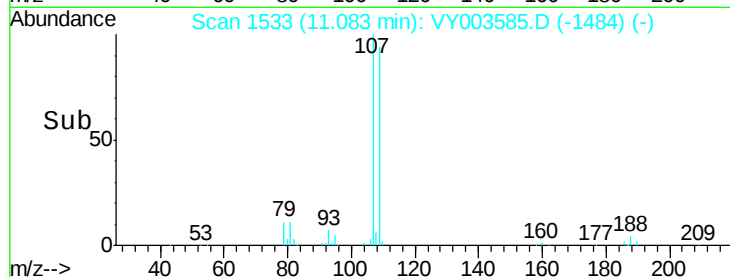
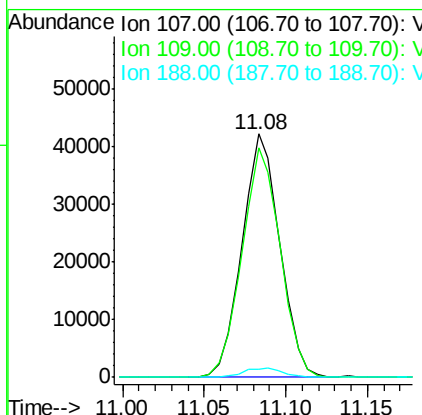
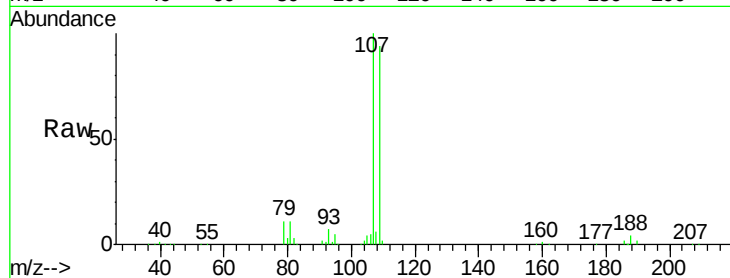




#50
1,2-Dibromoethane
Concen: 26.850 ug/L
RT: 11.08 min Scan# 1533
Delta R.T. 0.00 min
Lab File: VY003585.D
Acq: 23 Nov 2020 11:06

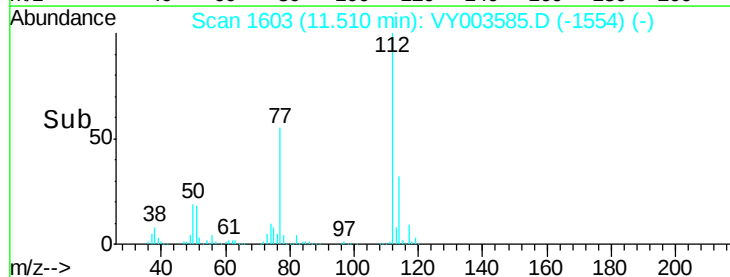
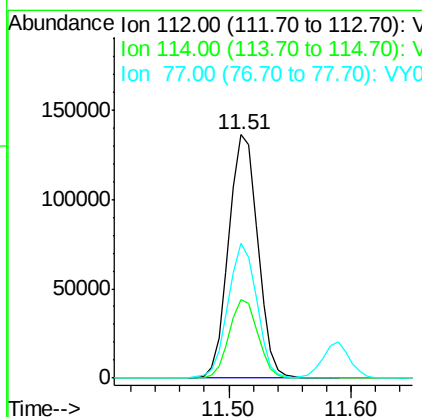
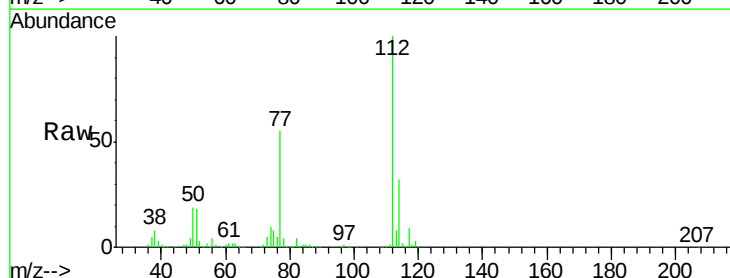
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025404

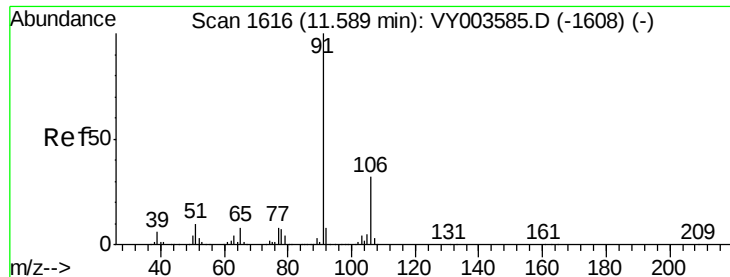
Tgt Ion:107 Resp: 68451
Ion Ratio Lower Upper
107 100
109 94.0 65.8 122.2
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 23.954 ug/L
RT: 11.51 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003585.D
Acq: 23 Nov 2020 11:06

Tgt Ion:112 Resp: 223896
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 55.2 44.2 66.2





#52

Ethylbenzene

Concen: 23.220 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

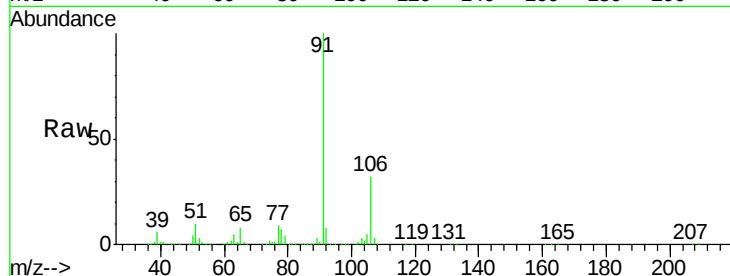
VSTD025404

Tgt Ion: 91 Resp: 365506

Ion Ratio Lower Upper

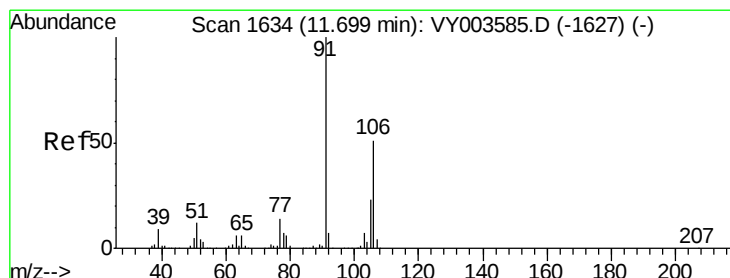
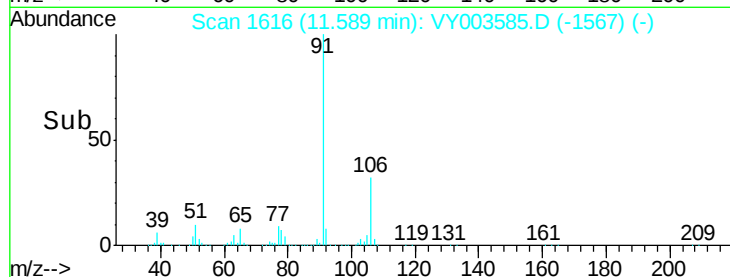
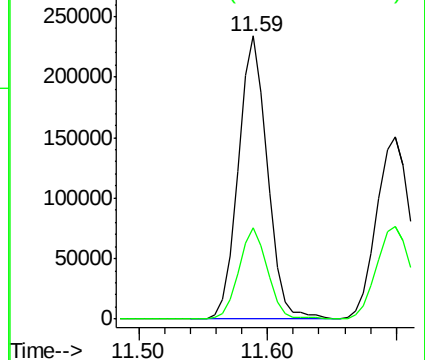
91 100

106 32.4 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 23.432 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003585.D

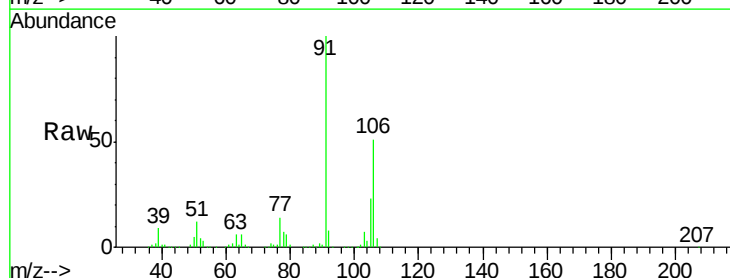
Acq: 23 Nov 2020 11:06

Tgt Ion: 106 Resp: 141041

Ion Ratio Lower Upper

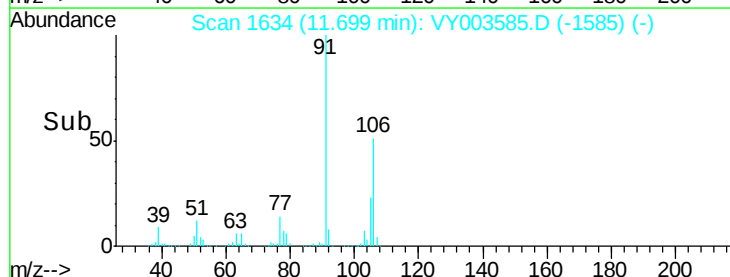
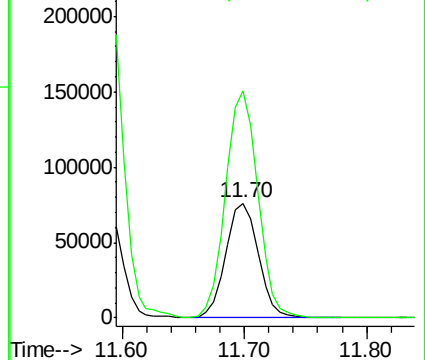
106 100

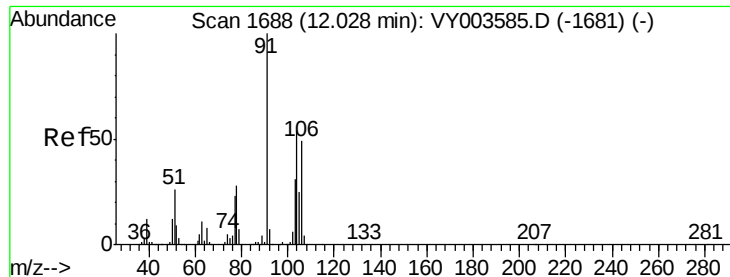
91 197.4 138.2 256.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

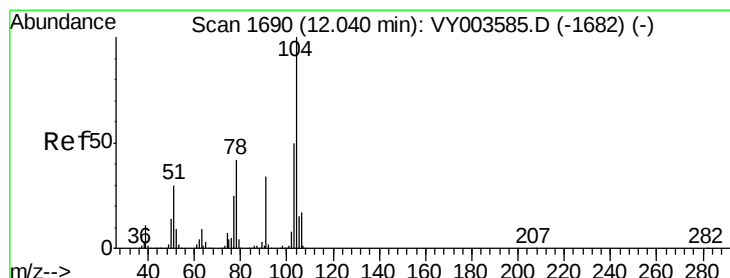
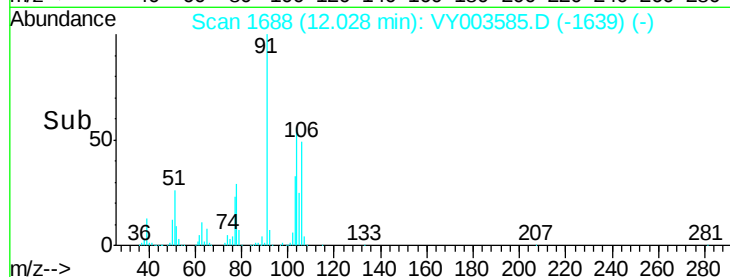
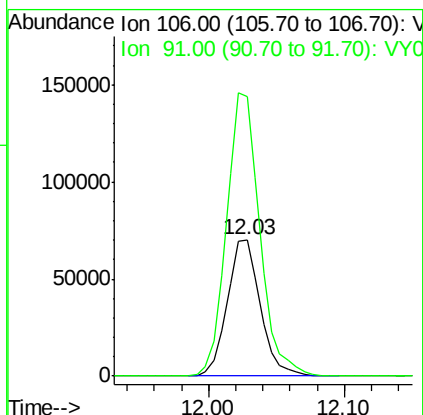
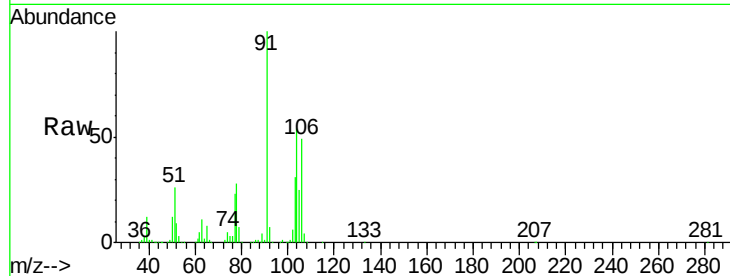




#54
o-Xylene
Concen: 20.866 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003585.D
Acq: 23 Nov 2020 11:06

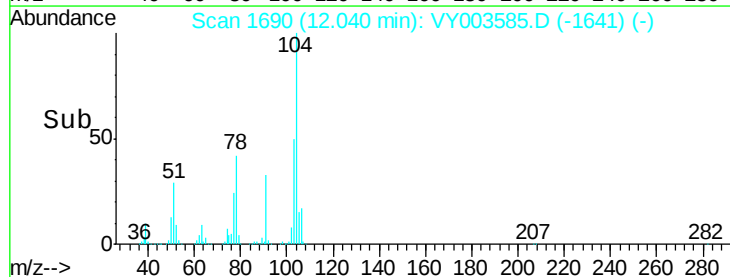
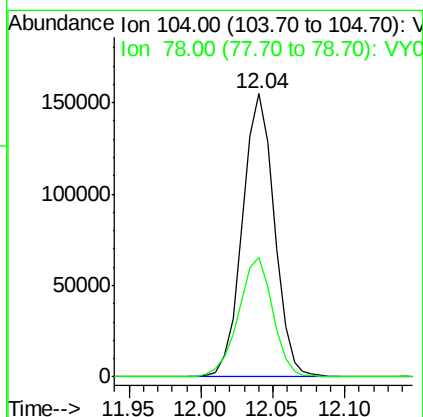
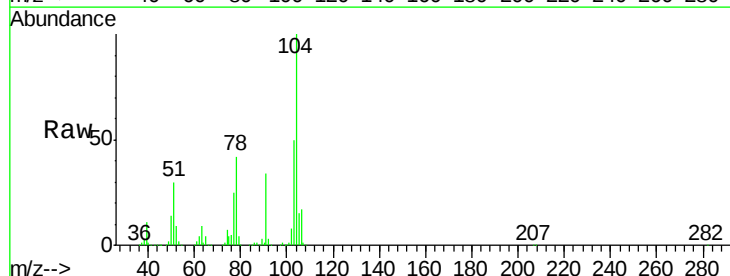
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025404

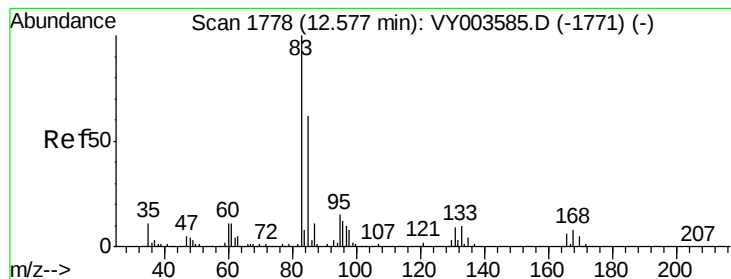
Tgt Ion:106 Resp: 118926
Ion Ratio Lower Upper
106 100
91 204.6 143.2 266.0



#55
Styrene
Concen: 23.772 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003585.D
Acq: 23 Nov 2020 11:06

Tgt Ion:104 Resp: 238124
Ion Ratio Lower Upper
104 100
78 42.1 29.5 54.7





#57

1,1,2,2-Tetrachloroethane

Concen: 26.977 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025404

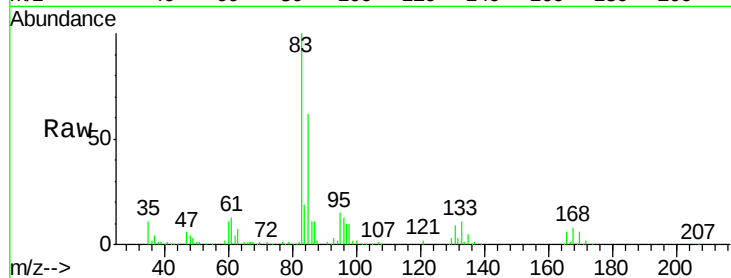
Tgt Ion: 83 Resp: 84799

Ion Ratio Lower Upper

83 100

85 62.2 43.5 80.9

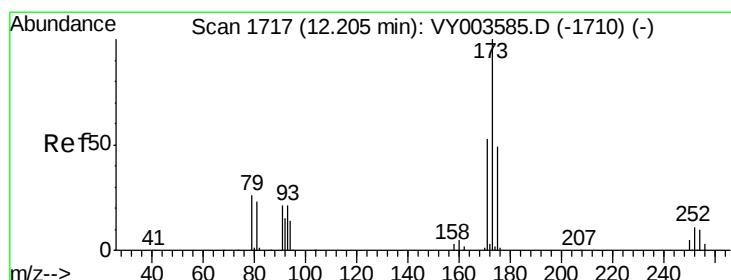
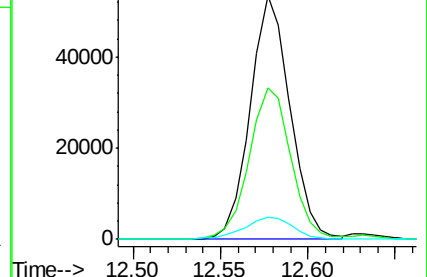
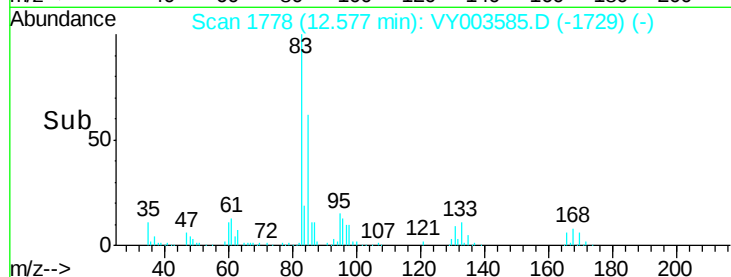
131 9.1 7.3 10.9



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

Ion 85.00 (84.70 to 85.70): VY003585.D (-1771) (-)

Ion 131.00 (130.70 to 131.70): VY003585.D (-1771) (-)



#59

Bromoform

Concen: 25.178 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

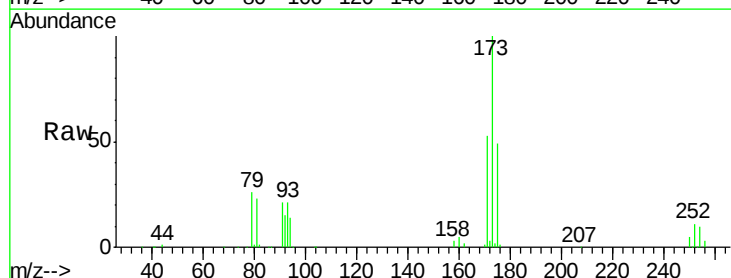
Tgt Ion: 173 Resp: 55027

Ion Ratio Lower Upper

173 100

175 48.6 38.9 58.3

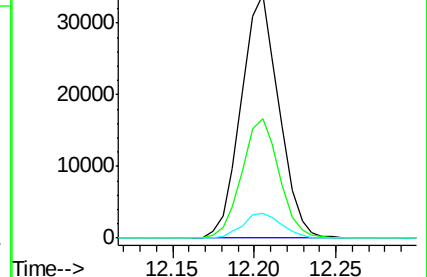
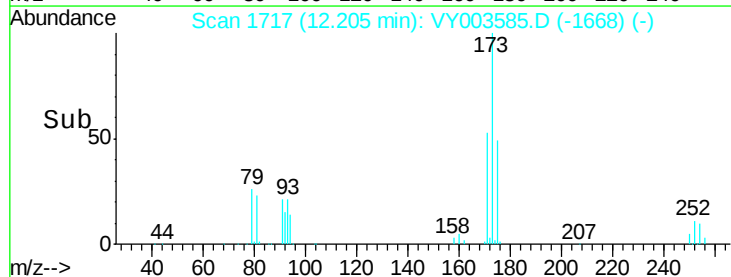
254 10.6 8.5 12.7

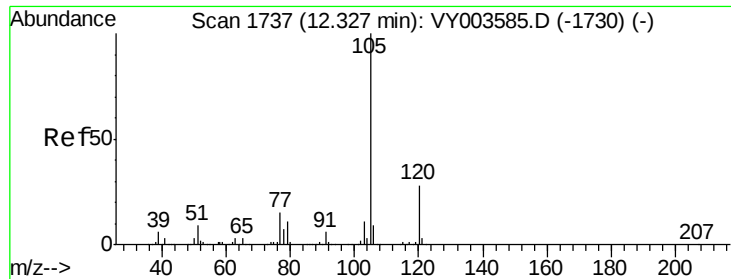


Abundance Ion 173.00 (172.70 to 173.70): VY003585.D (-1710) (-)

Ion 175.00 (174.70 to 175.70): VY003585.D (-1710) (-)

Ion 254.00 (253.70 to 254.70): VY003585.D (-1710) (-)





#60

Isopropylbenzene

Concen: 18.609 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025404

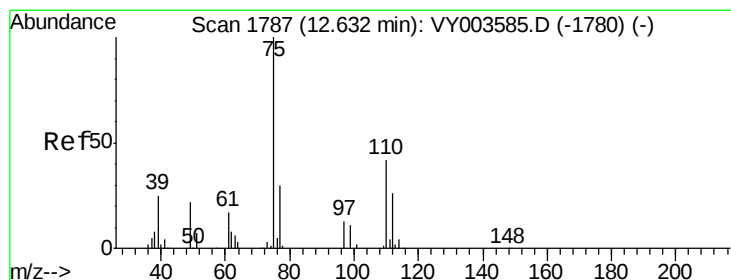
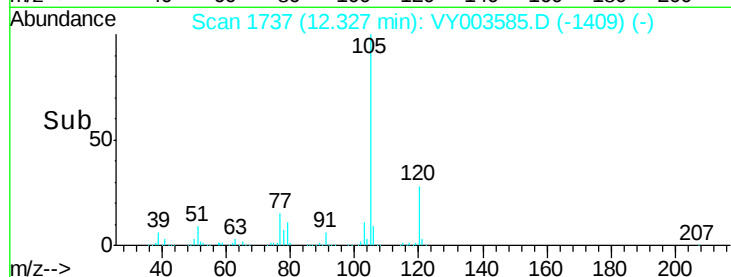
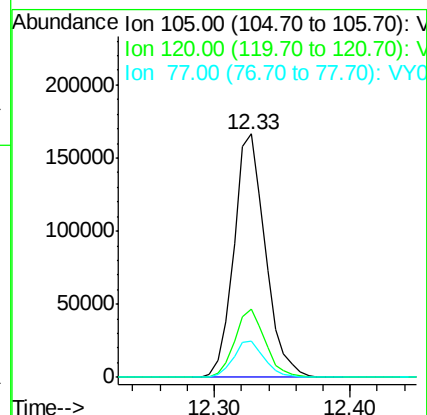
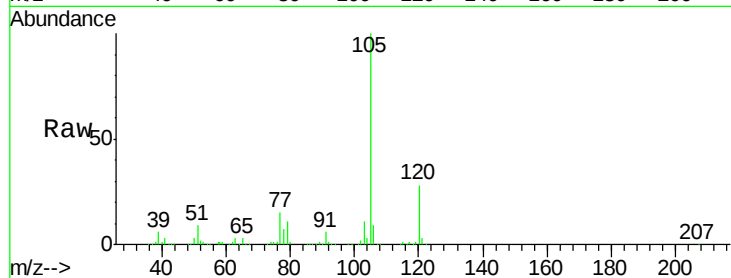
Tgt Ion: 105 Resp: 267122

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.6

77 15.0 12.0 18.0



#61

1,2,3-Trichloropropane

Concen: 26.276 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

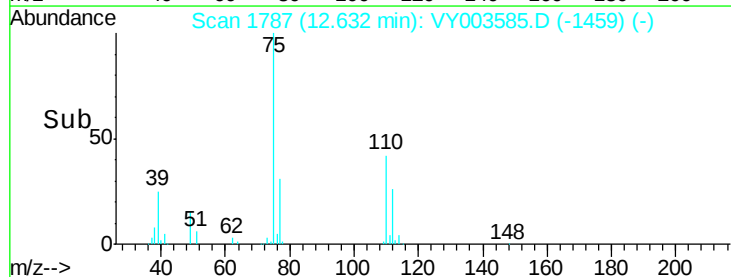
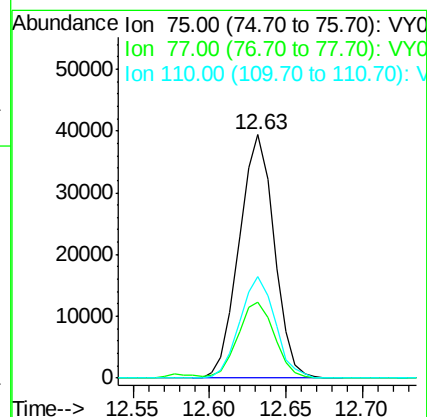
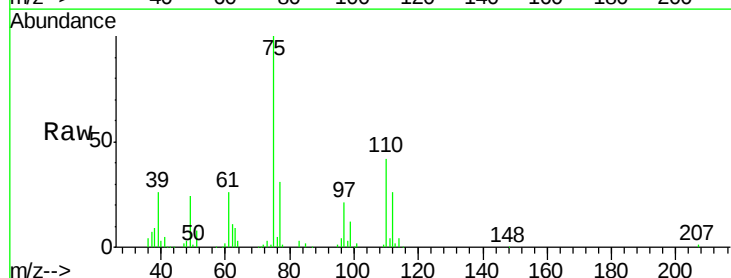
Tgt Ion: 75 Resp: 63030

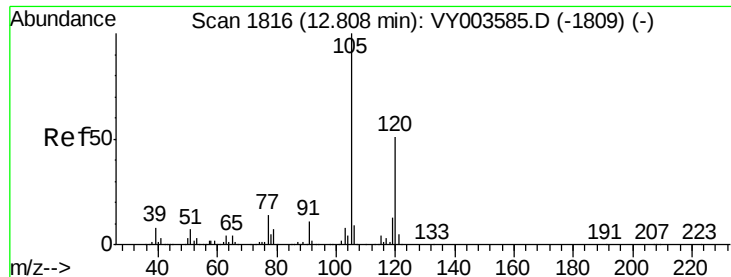
Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

110 41.7 33.4 50.0





#62

1,3,5-Trimethylbenzene

Concen: 17.048 ug/L

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

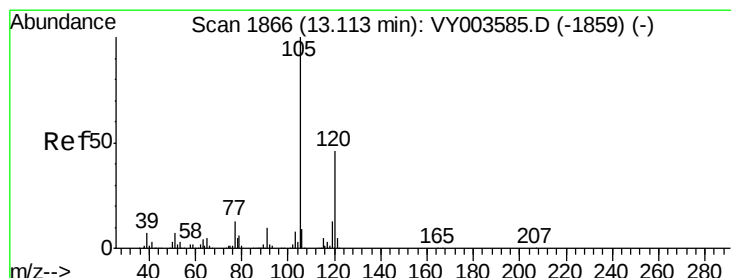
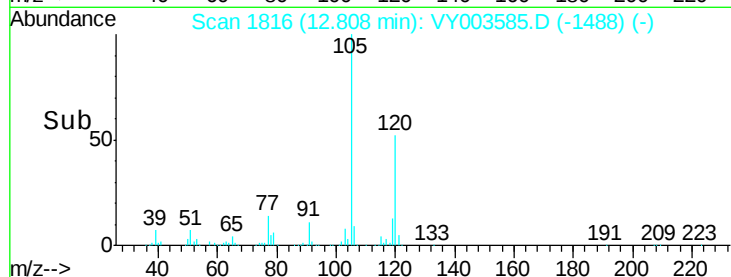
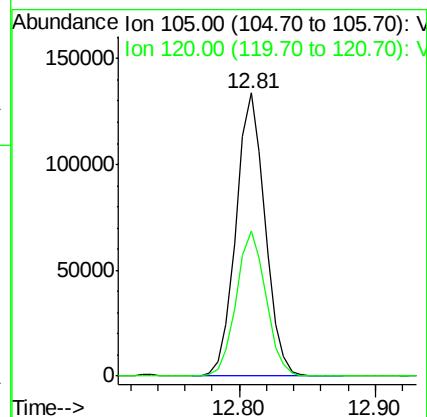
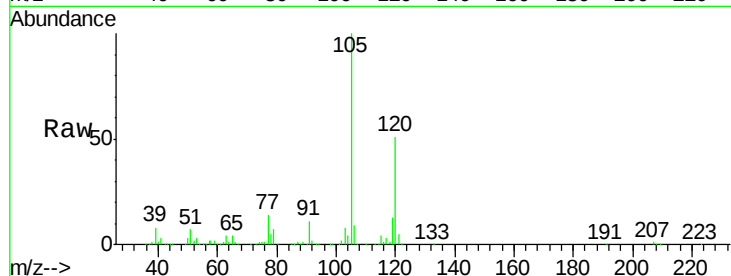
VSTD025404

Tgt Ion:105 Resp: 198557

Ion Ratio Lower Upper

105 100

120 52.2 41.8 62.6



#63

1,2,4-Trimethylbenzene

Concen: 19.297 ug/L

RT: 13.11 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VY003585.D

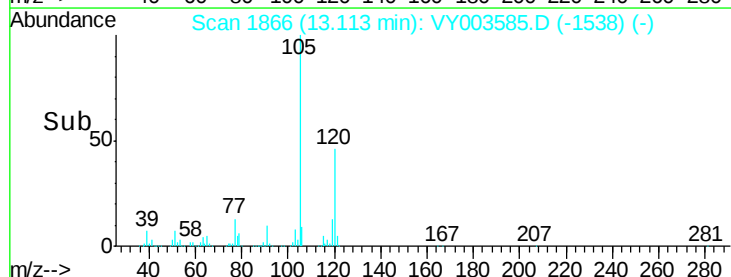
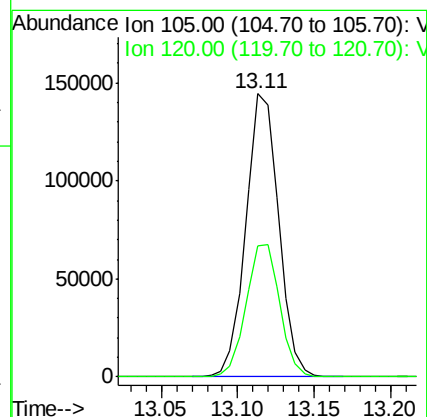
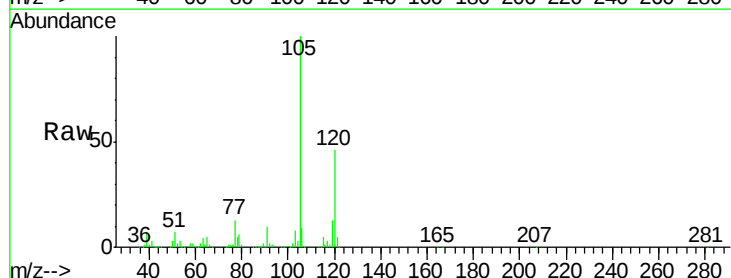
Acq: 23 Nov 2020 11:06

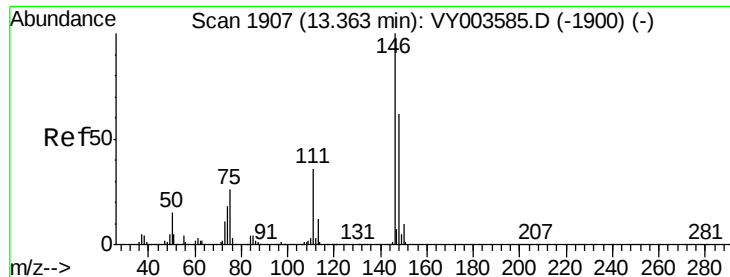
Tgt Ion:105 Resp: 215453

Ion Ratio Lower Upper

105 100

120 47.8 38.2 57.4

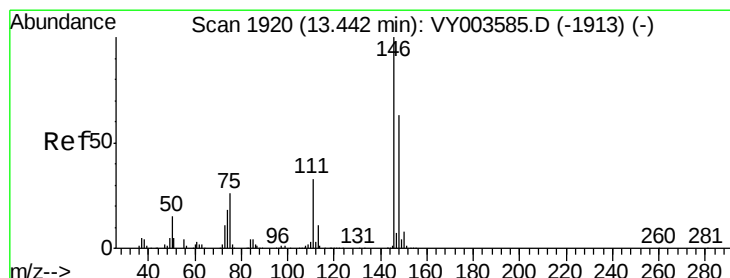
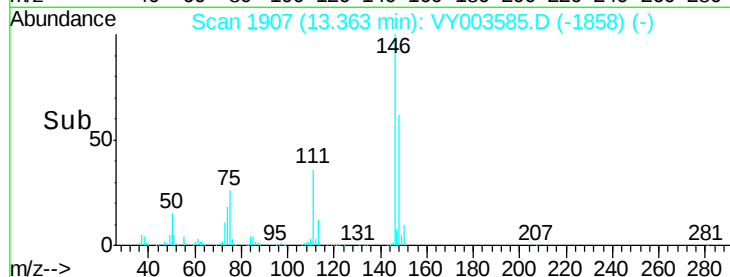
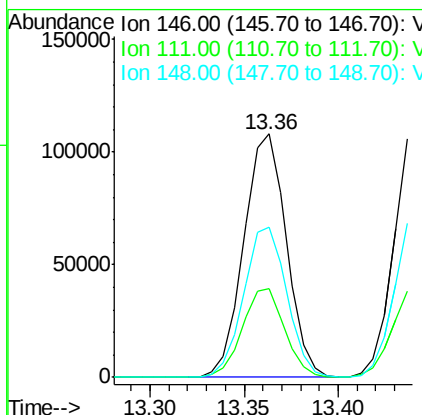
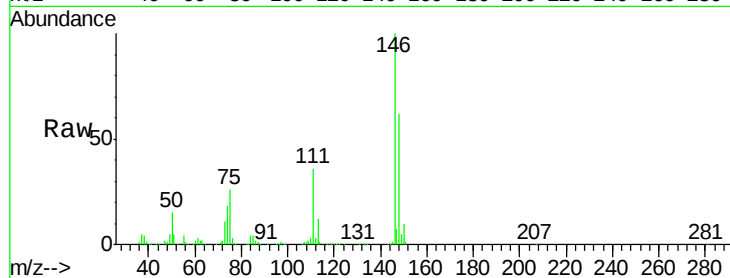




#64
 1,3-Dichlorobenzene
 Concen: 23.163 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003585.D
 Acq: 23 Nov 2020 11:06

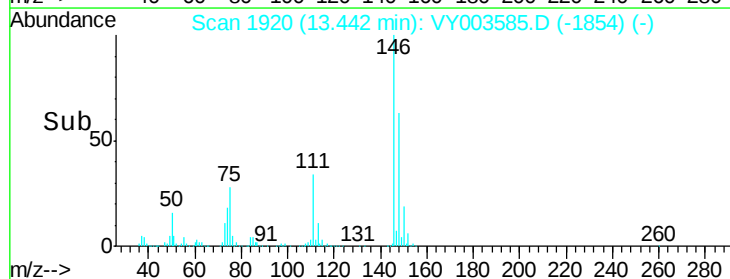
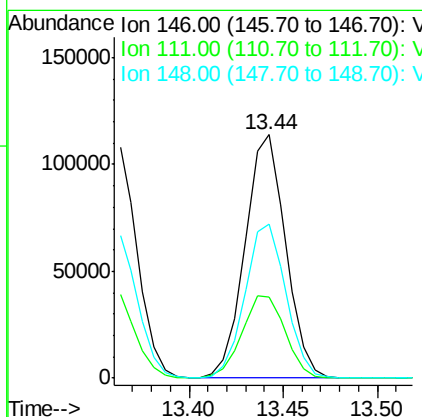
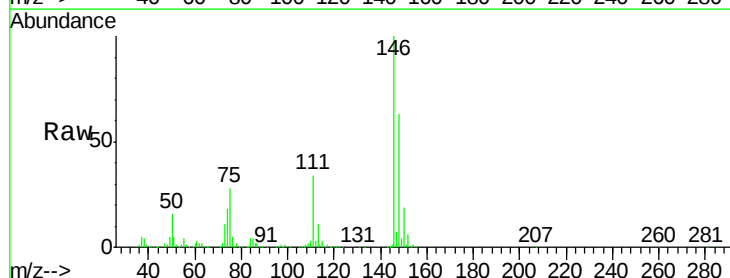
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025404

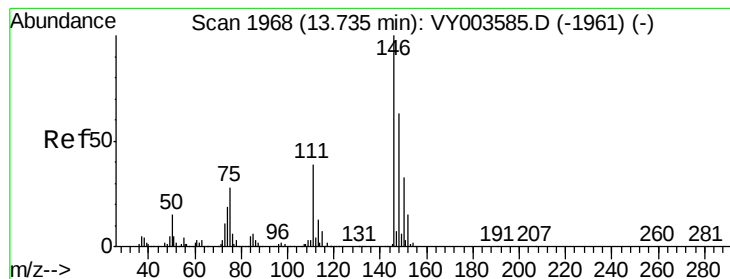
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	25.5	47.3
148	61.9	43.3	80.5



#65
 1,4-Dichlorobenzene
 Concen: 22.945 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003585.D
 Acq: 23 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.5	23.4	43.6
148	63.2	44.2	82.2





#67

1,2-Dichlorobenzene

Concen: 21.525 ug/L

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025404

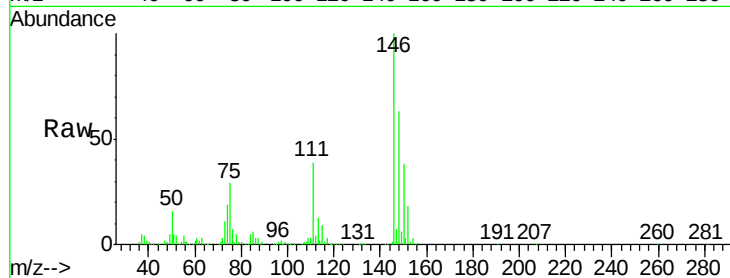
Tgt Ion: 146 Resp: 142247

Ion Ratio Lower Upper

146 100

111 39.3 31.4 47.2

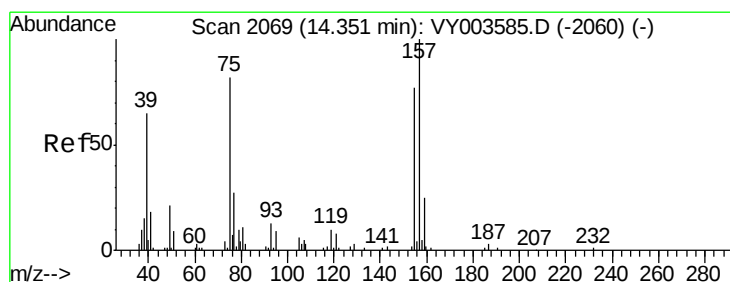
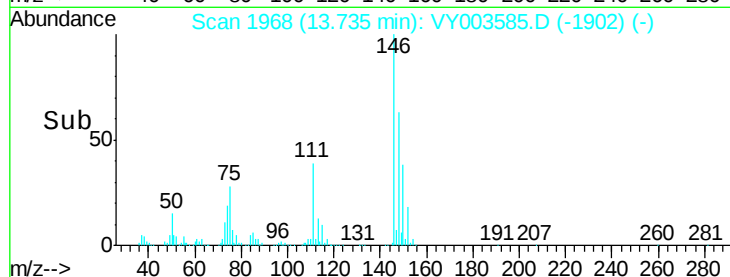
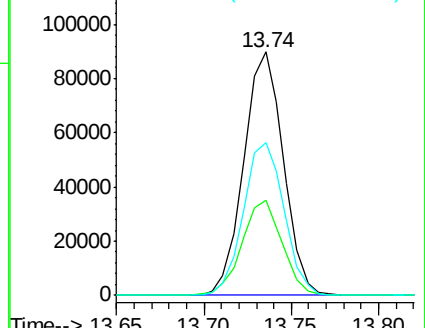
148 62.8 50.2 75.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 21.424 ug/L

RT: 14.35 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

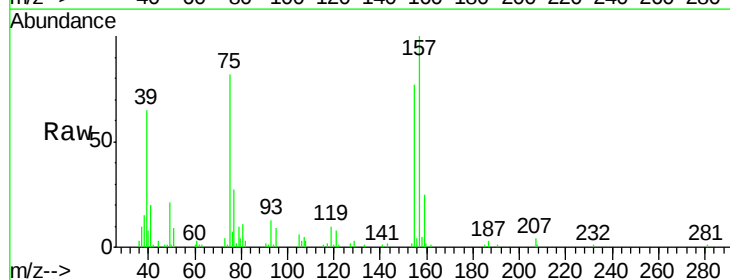
Tgt Ion: 75 Resp: 11966

Ion Ratio Lower Upper

75 100

155 93.1 74.5 111.7

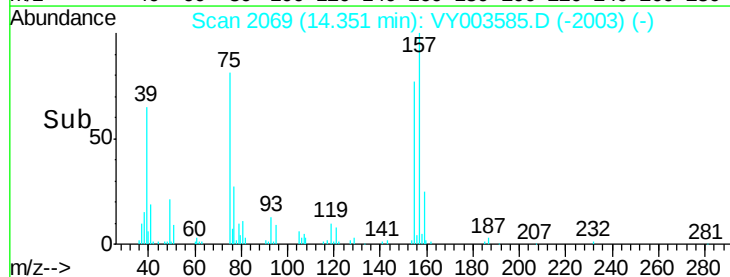
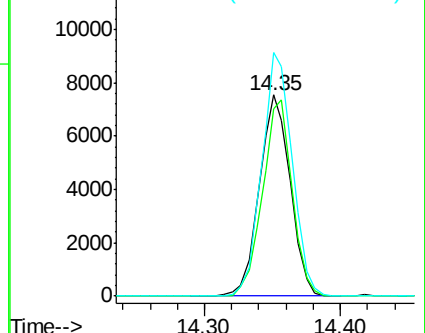
157 121.3 97.0 145.6

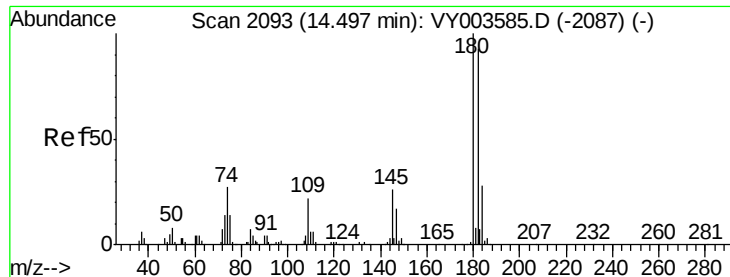


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

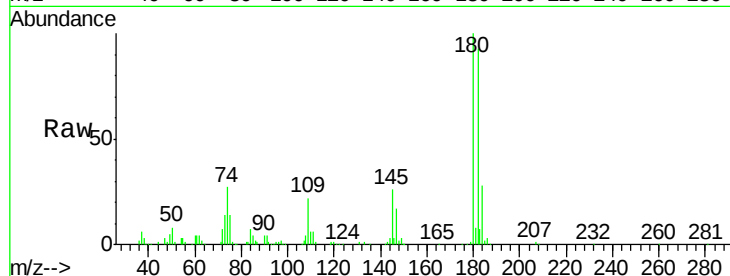




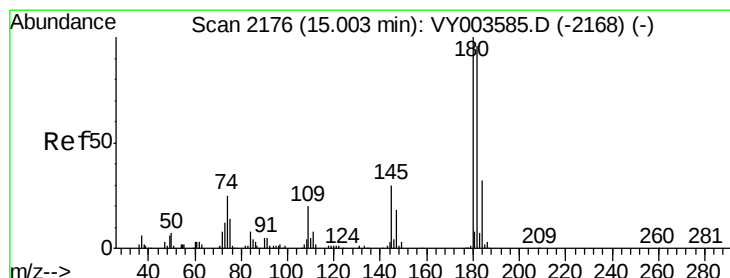
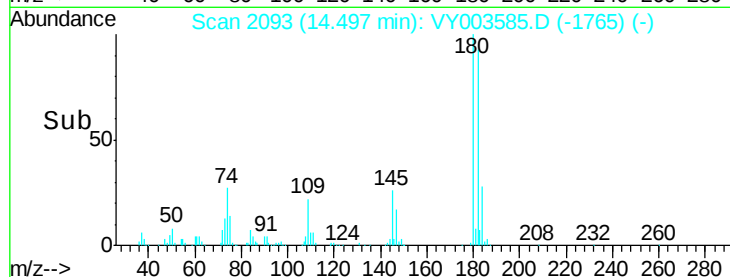
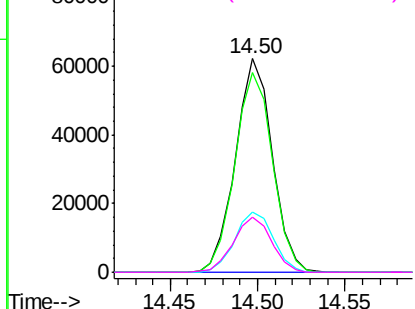
#69
 1,3,5-Trichlorobenzene
 Concen: 17.459 ug/L
 RT: 14.50 min Scan# 2093
 Delta R.T. 0.00 min
 Lab File: VY003585.D
 Acq: 23 Nov 2020 11:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025404

Tgt Ion:180 Resp: 91126
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 184 29.4 23.5 35.3
 145 26.9 21.5 32.3

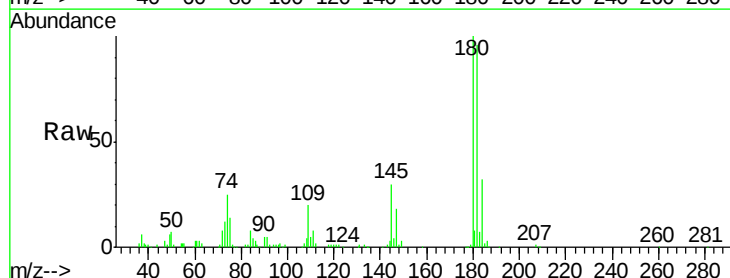


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

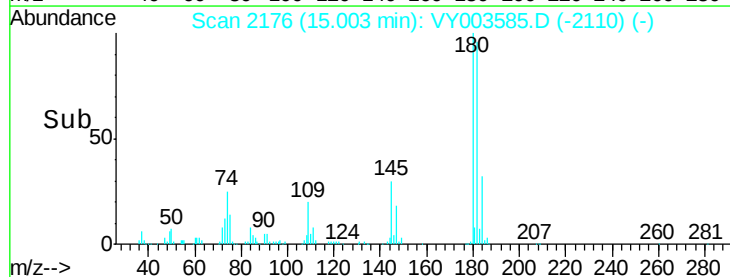
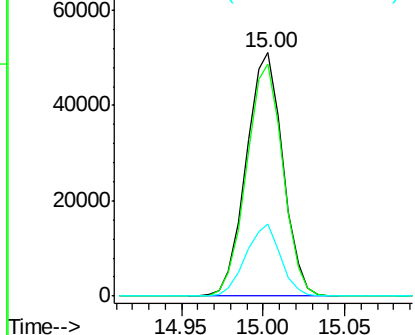


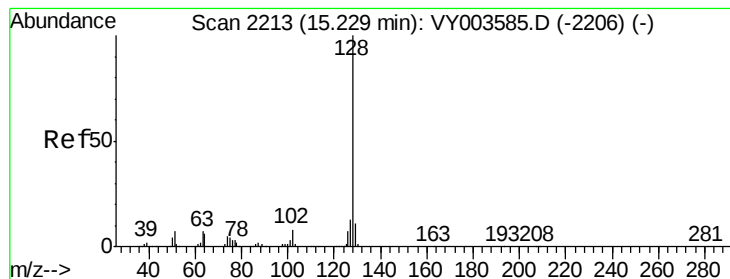
#70
 1,2,4-trichlorobenzene
 Concen: 18.254 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003585.D
 Acq: 23 Nov 2020 11:06

Tgt Ion:180 Resp: 79807
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.7 113.5
 145 28.1 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: 18.778 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025404

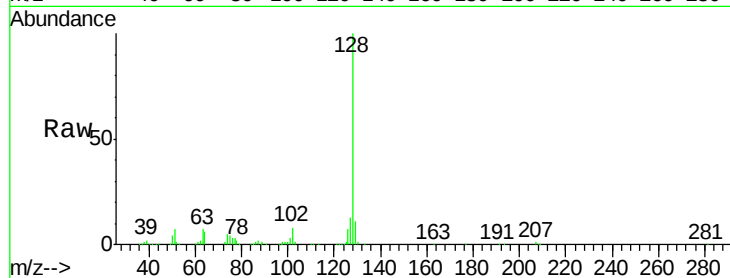
Tgt Ion:128 Resp: 148116

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

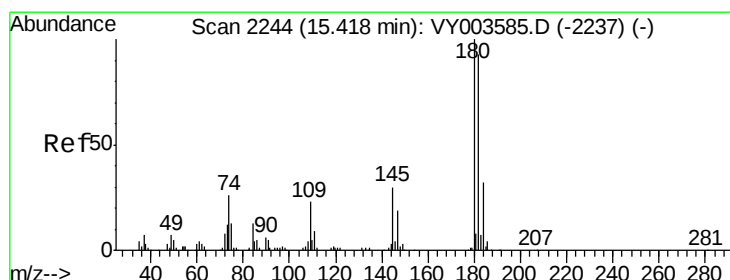
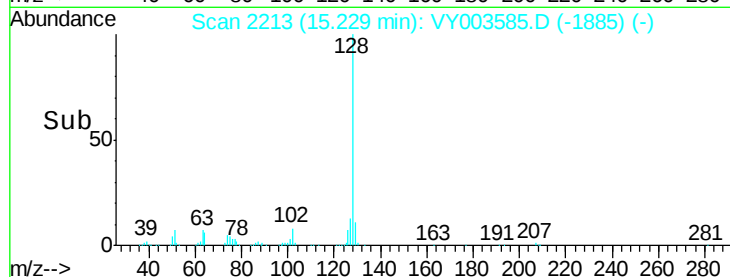
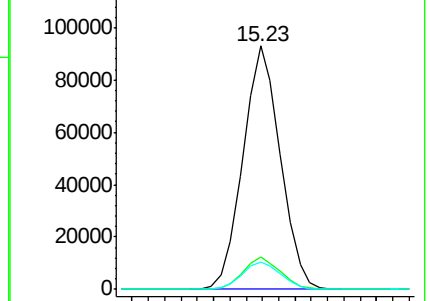
129 11.6 9.3 13.9



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: 16.339 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY003585.D

Acq: 23 Nov 2020 11:06

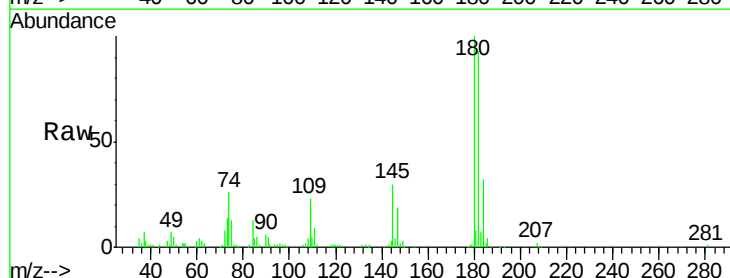
Tgt Ion:180 Resp: 60543

Ion Ratio Lower Upper

180 100

182 93.7 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

