

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003766.D
 Acq On : 14 Dec 2020 22:36
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02597

Quant Time: Dec 15 03:43:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 03:40:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	333407	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	311871	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	162614	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	113283	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.60%
7) Chloroethane-d5	2.77	69	87960	25.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.72%
10) 1,1-Dichloroethene-d2	3.86	63	229624	24.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.08%
20) 2-Butanone-d5	6.90	46	98999	49.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.86%
24) Chloroform-d	7.49	84	219646	25.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.48%
26) 1,2-Dichloroethane-d4	8.15	65	127578	26.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.24%
29) Benzene-d6	8.12	84	439272	24.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.32%
33) 1,2-Dichloropropane-d6	9.12	67	134562	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.76%
37) Toluene-d8	10.18	98	407448	24.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.76%
38) trans-1,3-Dichloropropene-	10.44	79	70683	25.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.20%
39) 2-Hexanone-d5	10.79	63	77747	50.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.32%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	126442	25.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.92%
61) 1,2-Dichlorobenzene-d4	13.72	152	150418	25.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	132736	23.328	ug/L	100
3) Chloromethane	2.12	50	124609	23.973	ug/L	100
5) Vinyl chloride	2.26	62	132080	25.294	ug/L	97
6) Bromomethane	2.66	94	84204	26.375	ug/L	100
8) Chloroethane	2.80	64	79584	26.083	ug/L	99
9) Trichlorofluoromethane	3.14	101	195588	24.517	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	116107	23.951	ug/L	98
12) 1,1-Dichloroethene	3.88	96	111095	24.109	ug/L	96
13) Acetone	3.96	43	64659	47.296	ug/L	95
14) Carbon disulfide	4.20	76	379032	23.376	ug/L	100
15) Methyl Acetate	4.49	43	84397	23.702	ug/L	100
16) Methylene chloride	4.73	84	130500	21.803	ug/L	96
17) Methyl tert-butyl Ether	5.23	73	333672	25.808	ug/L	98
18) trans-1,2-Dichloroethene	5.23	96	122981	24.636	ug/L	97
19) 1,1-Dichloroethane	6.03	63	215918	25.010	ug/L	98
21) 2-Butanone	7.00	43	111065	46.739	ug/L	100
22) cis-1,2-Dichloroethene	7.00	96	133089	25.143	ug/L	99

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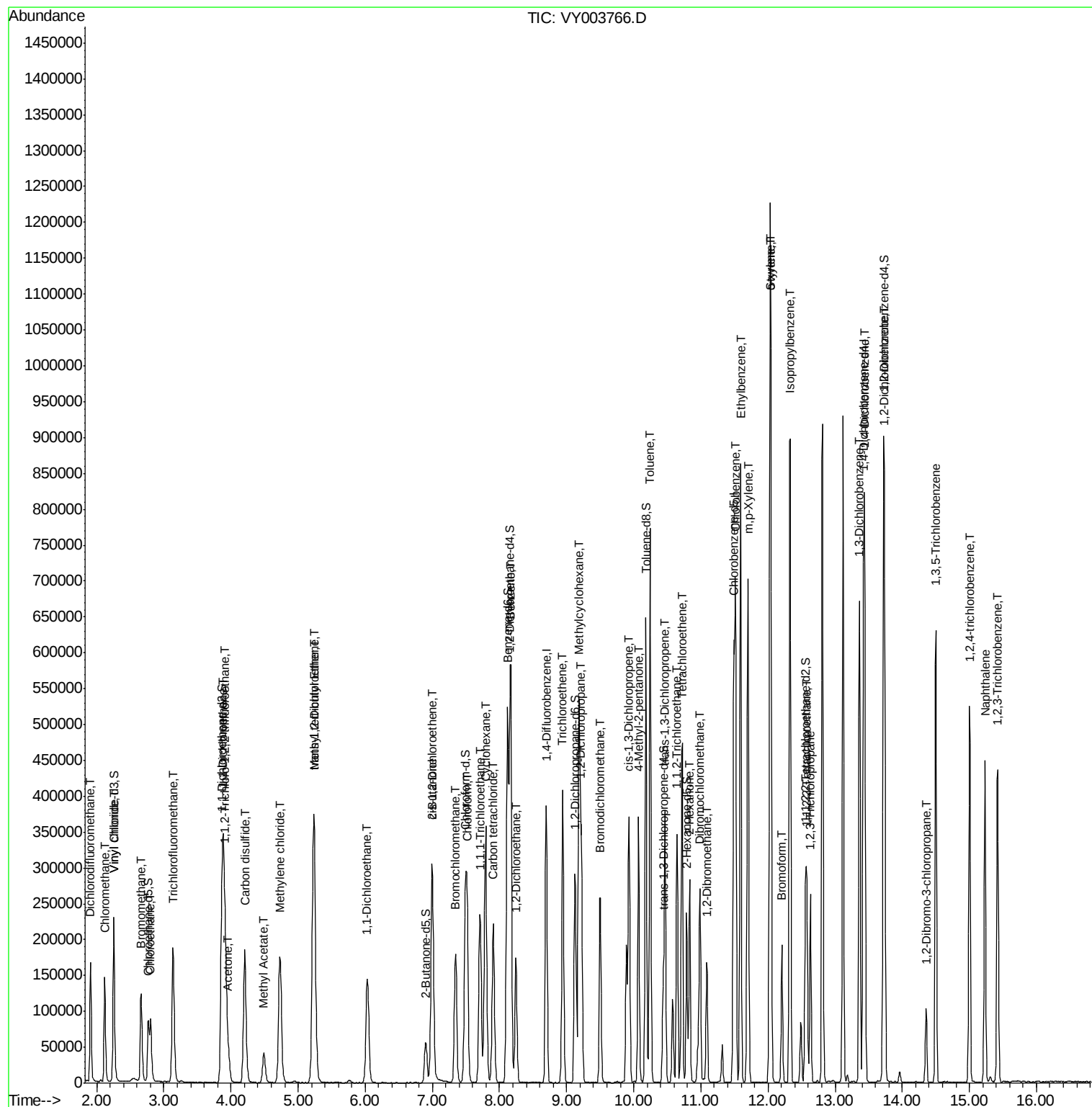
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	65467	25.728	ug/L	99
25) Chloroform	7.52	83	216326	25.481	ug/L	99
27) 1,2-Dichloroethane	8.25	62	156500	26.598	ug/L	97
30) Cyclohexane	7.79	56	203815	23.808	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	194526	25.507	ug/L	99
32) Carbon tetrachloride	7.90	117	169775	25.211	ug/L	100
34) Benzene	8.17	78	495359	24.964	ug/L	100
35) Trichloroethene	8.94	95	131756	24.738	ug/L	99
36) Methylcyclohexane	9.18	83	216432	23.989	ug/L	100
40) 1,2-Dichloropropane	9.22	63	127290	24.750	ug/L	99
41) Bromodichloromethane	9.50	83	166148	25.803	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	205791	25.182	ug/L	96
43) 4-Methyl-2-pentanone	10.07	43	243867	48.901	ug/L	98
44) Toluene	10.25	91	537208	25.487	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	193298	25.849	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	106347	25.533	ug/L	97
47) Tetrachloroethene	10.72	164	104328	24.635	ug/L	97
49) 2-Hexanone	10.83	43	174710	51.051	ug/L	99
50) Dibromochloromethane	10.98	129	126801	25.987	ug/L	97
51) 1,2-Dibromoethane	11.09	107	104912	25.424	ug/L	96
52) Chlorobenzene	11.51	112	345378	25.602	ug/L	99
53) Ethylbenzene	11.59	91	590469	25.640	ug/L	100
54) m,p-Xylene	11.70	106	226060	25.449	ug/L	97
55) o-xylene	12.03	106	220683	26.474	ug/L	99
56) Styrene	12.04	104	381246	26.790	ug/L	98
57) Isopropylbenzene	12.33	105	577452	25.943	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	122575	25.190	ug/L	98
59) 1,2,3-Trichloropropane	12.64	75	103039	25.100	ug/L	99
62) Bromoform	12.21	173	85917	25.661	ug/L	100
63) 1,3-Dichlorobenzene	13.36	146	267967	25.487	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	266695	24.956	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	249846	25.751	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	23052	24.165	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	186386	25.462	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	156434	25.055	ug/L	100
69) Naphthalene	15.23	128	364654	25.597	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	143315	25.238	ug/L	99

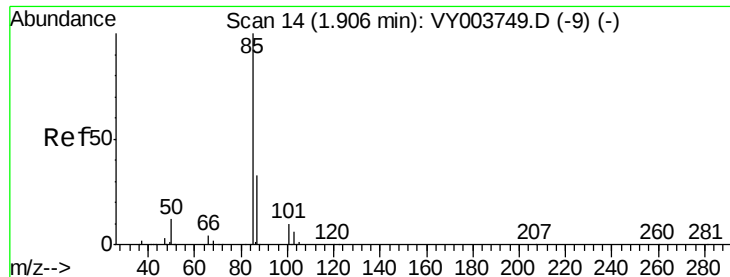
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.328 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

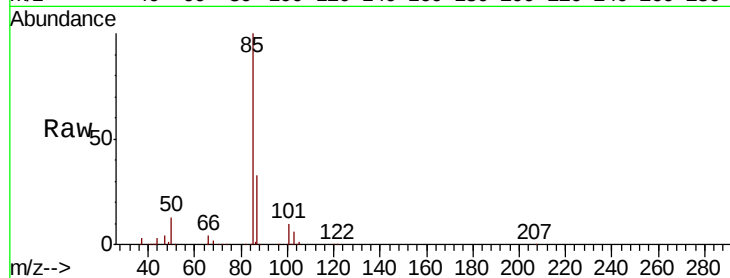
VSTD02597

Tot Ion: 85 Resp: 132736

Ion Ratio Lower Upper

85 100

87 32.3 22.7 42.3



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

100000

80000

60000

40000

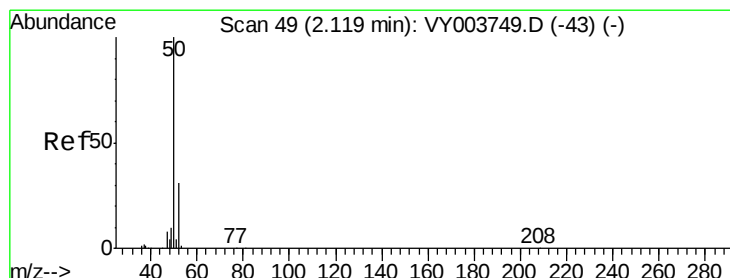
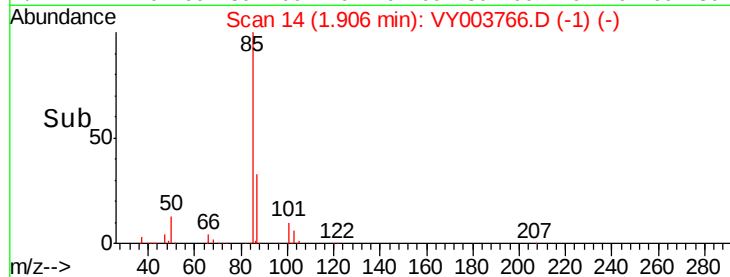
20000

0

1.91

1.85 1.90 1.95 2.00

Time-->



#3

Chloromethane

Concen: 23.973 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003766.D

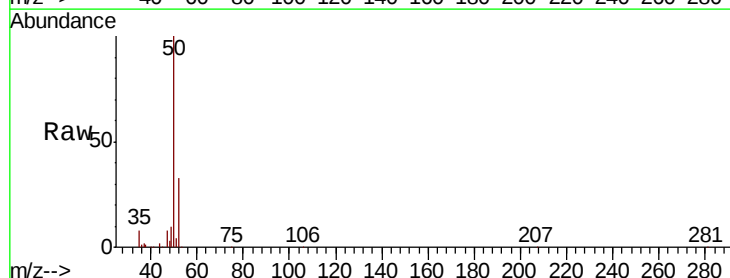
Acq: 14 Dec 2020 22:36

Tgt Ion: 50 Resp: 124609

Ion Ratio Lower Upper

50 100

52 32.5 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

100000

80000

60000

40000

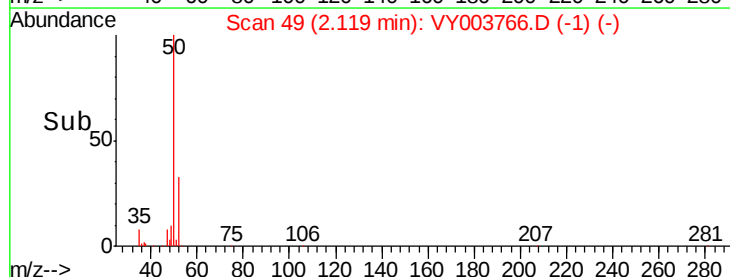
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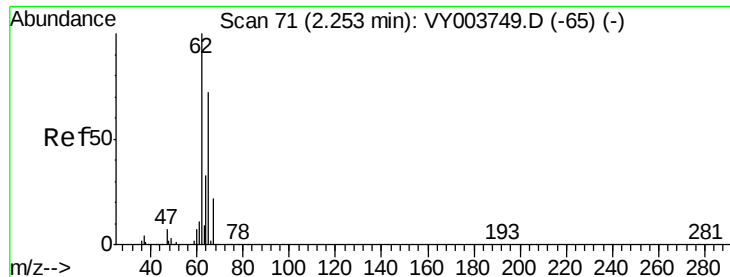
0

2.12

2.05 2.10 2.15 2.20

Time-->





#5

Vinyl chloride

Concen: 25.294 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.01 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

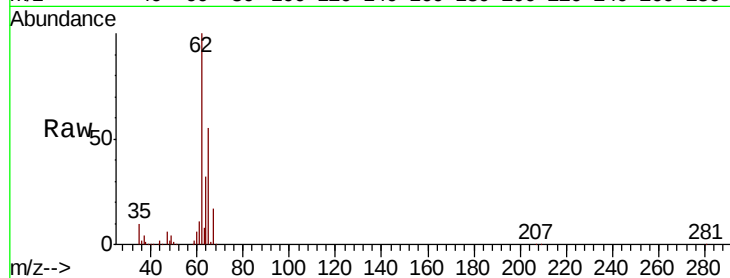
VSTD02597

Tot Ion: 62 Resp: 132080

Ion Ratio Lower Upper

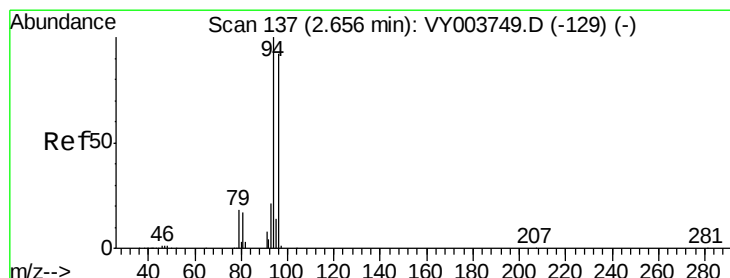
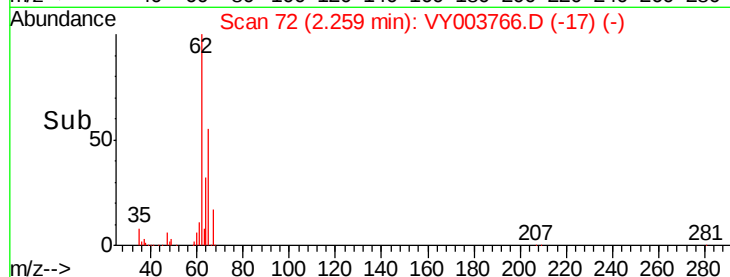
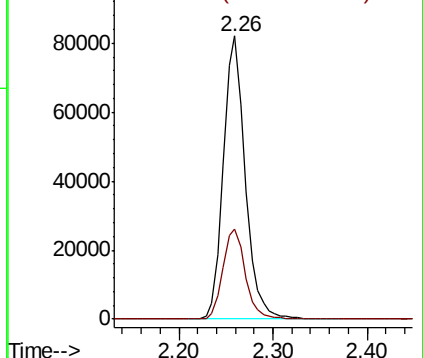
62 100

64 31.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 26.375 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.01 min

Lab File: VY003766.D

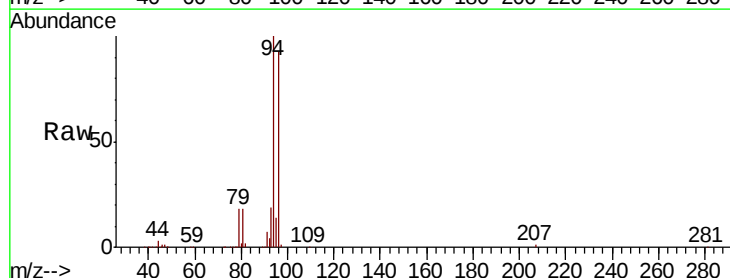
Acq: 14 Dec 2020 22:36

Tgt Ion: 94 Resp: 84204

Ion Ratio Lower Upper

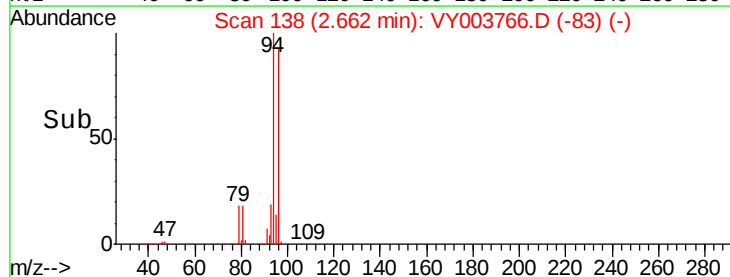
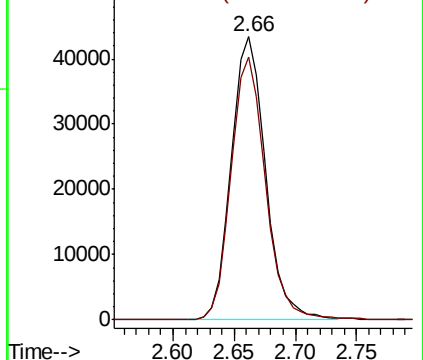
94 100

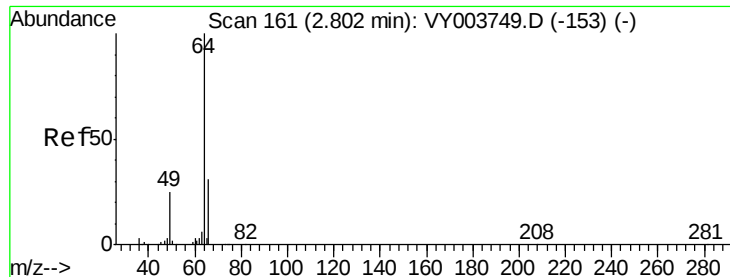
96 93.3 9.3 177.5



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

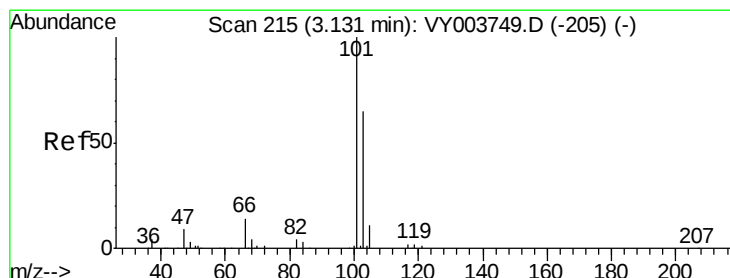
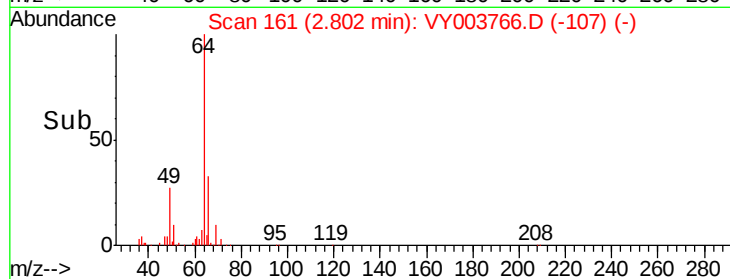
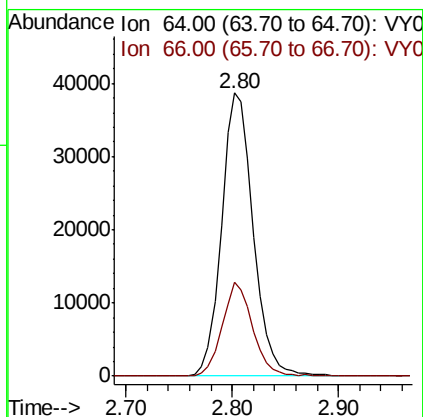
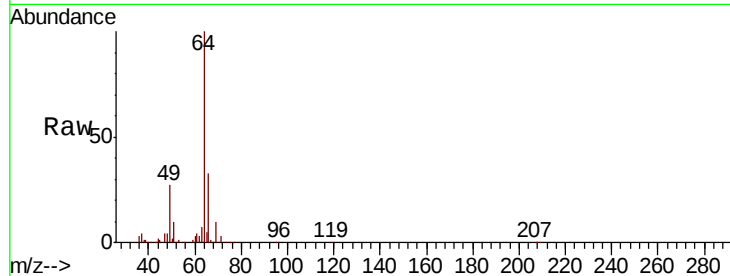




#8
Chloroethane
Concen: 26.083 ug/L
RT: 2.80 min Scan# 161
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

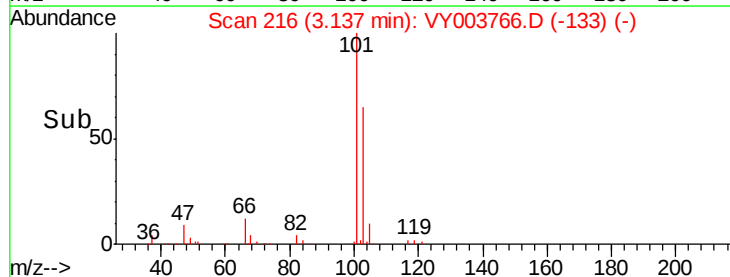
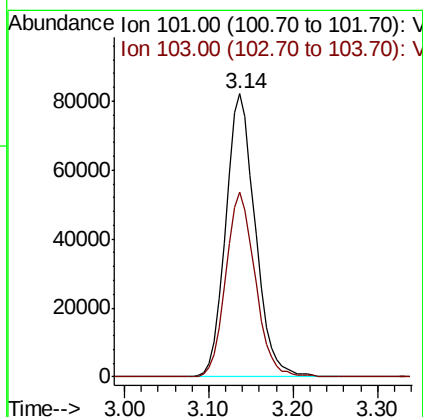
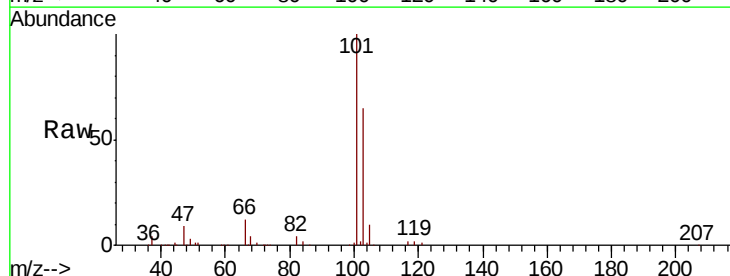
Instrument :
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VSTD02597

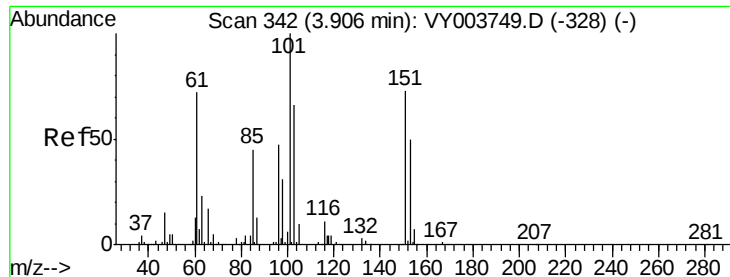
Tot Ion: 64 Resp: 79584
Ion Ratio Lower Upper
64 100
66 33.3 23.1 42.9



#9
Trichlorofluoromethane
Concen: 24.517 ug/L
RT: 3.14 min Scan# 216
Delta R.T. 0.01 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Tgt Ion: 101 Resp: 195588
Ion Ratio Lower Upper
101 100
103 64.9 45.3 84.1





#11

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

Concen: 23.951 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02597

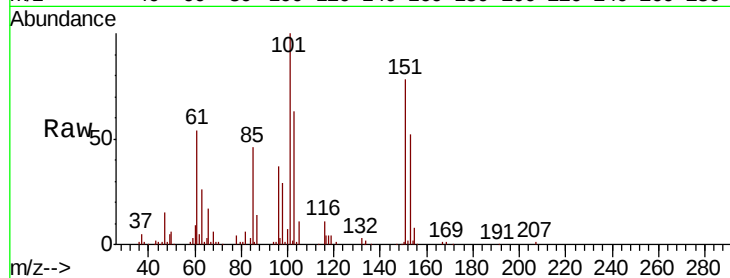
Tot Ion:101 Resp: 116107

Ion Ratio Lower Upper

101 100

85 44.0 33.8 50.6

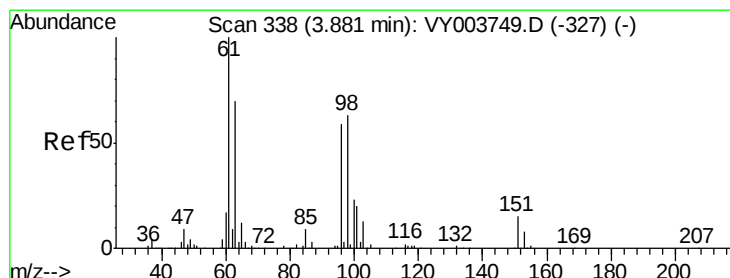
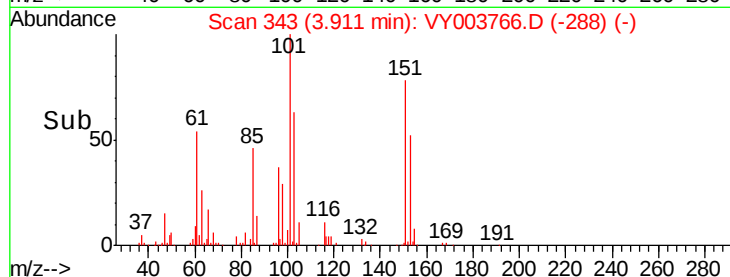
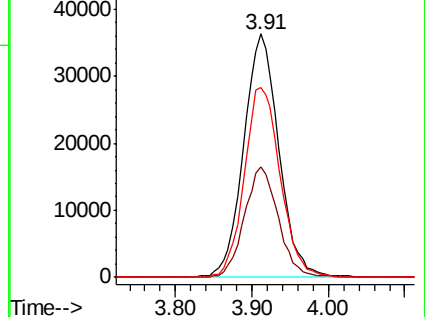
151 79.5 62.1 93.1



Abundance Ion 101.00 (100.70 to 101.70): VY003749.D (-328) (-)

Ion 85.00 (84.70 to 85.70): VY003749.D (-328) (-)

Ion 151.00 (150.70 to 151.70): VY003749.D (-328) (-)



#12

1,1-Dichloroethene

Concen: 24.109 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

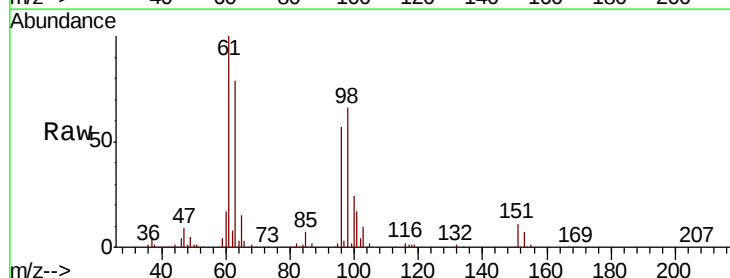
Tgt Ion: 96 Resp: 111095

Ion Ratio Lower Upper

96 100

61 174.3 117.3 217.9

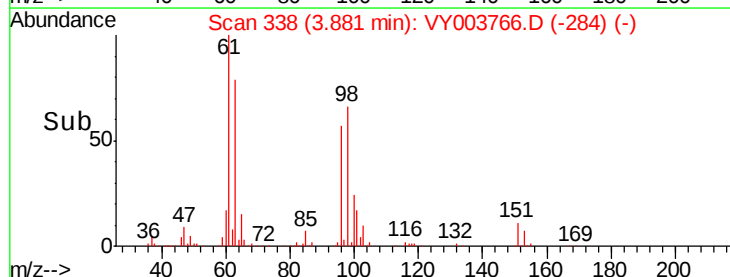
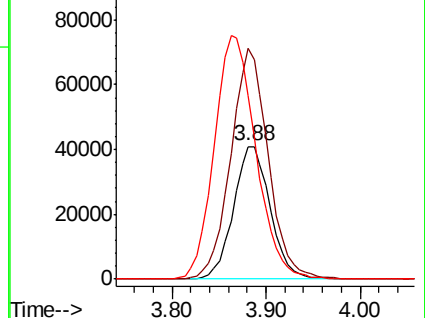
63 138.3 99.5 184.7

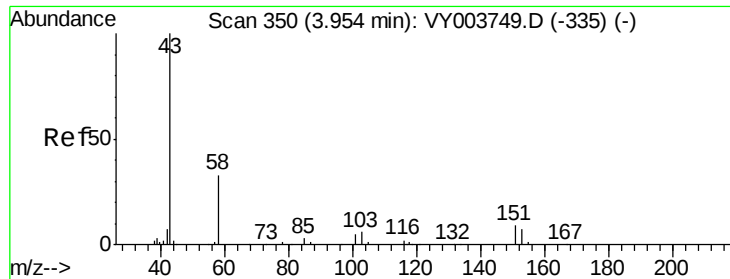


Abundance Ion 96.00 (95.70 to 96.70): VY003749.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VY003749.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VY003749.D (-327) (-)





#13

Acetone

Concen: 47.296 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.01 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

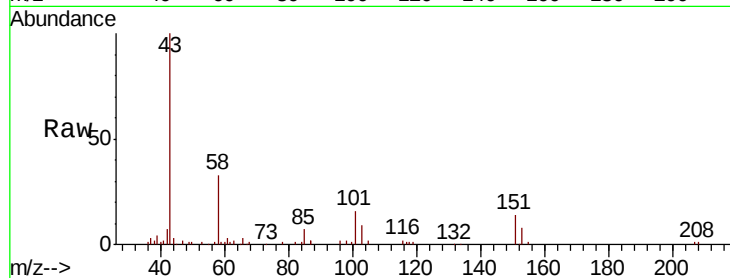
VSTD02597

Tot Ion: 43 Resp: 64659

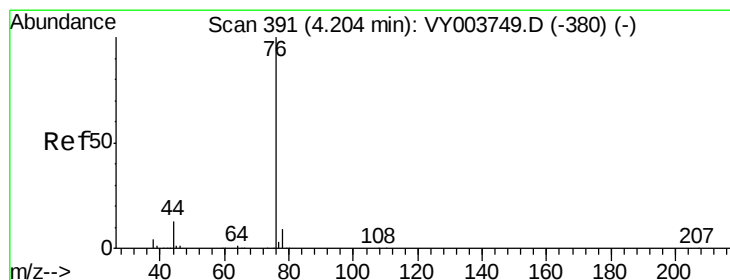
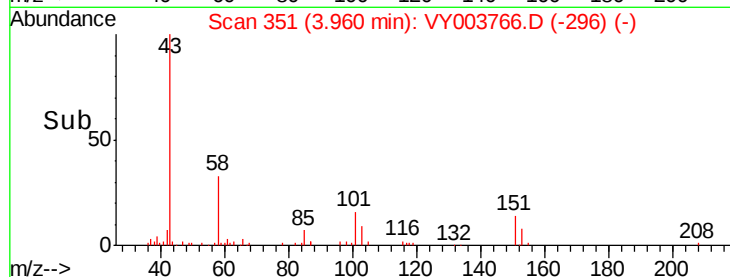
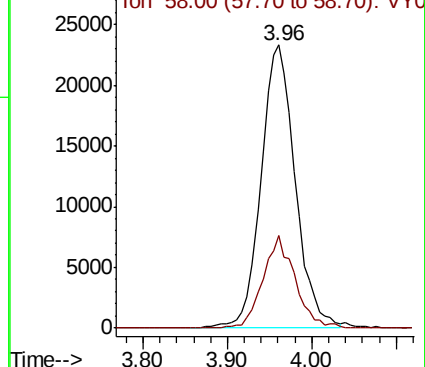
Ion Ratio Lower Upper

43 100

58 30.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VY003749.D (-335) (-)



#14

Carbon disulfide

Concen: 23.376 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.00 min

Lab File: VY003766.D

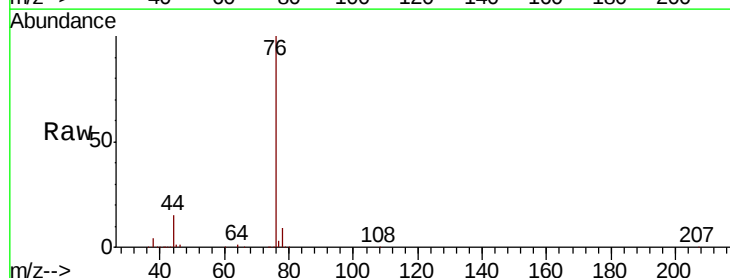
Acq: 14 Dec 2020 22:36

Tgt Ion: 76 Resp: 379032

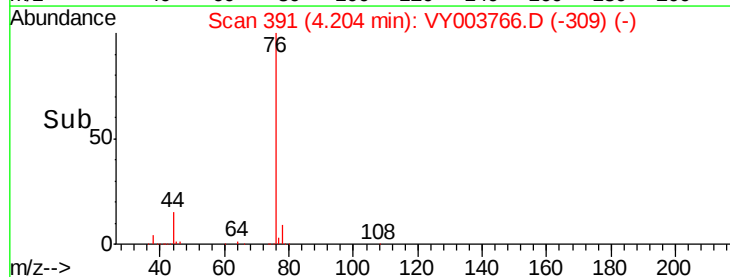
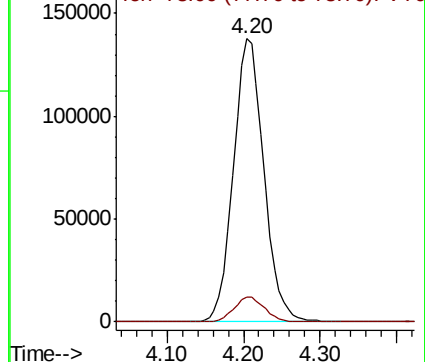
Ion Ratio Lower Upper

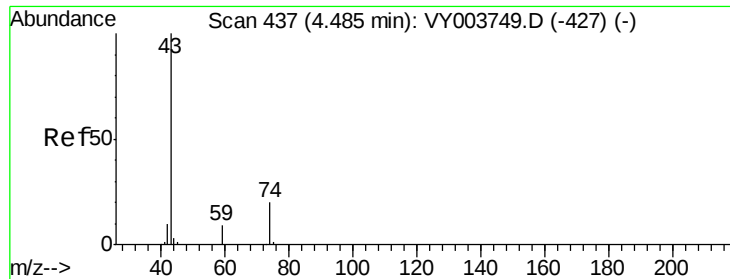
76 100

78 8.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY003749.D (-380) (-)

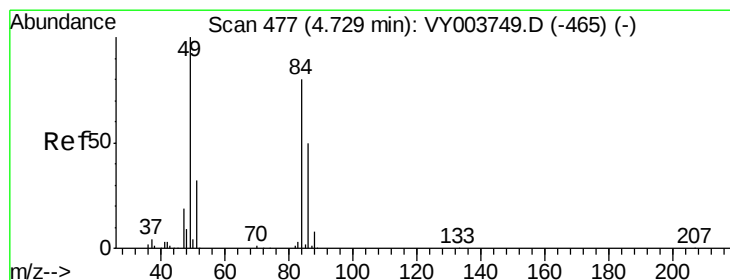
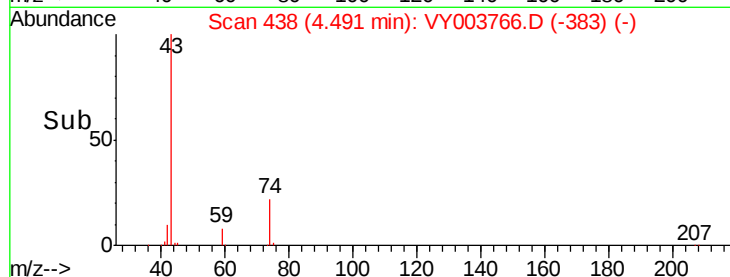
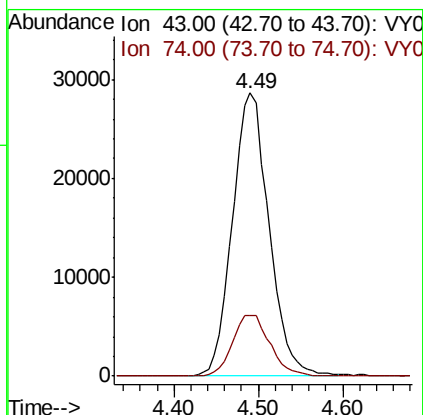
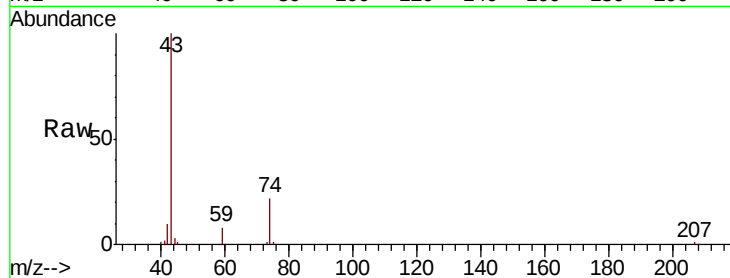




#15
Methyl Acetate
Concen: 23.702 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.01 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

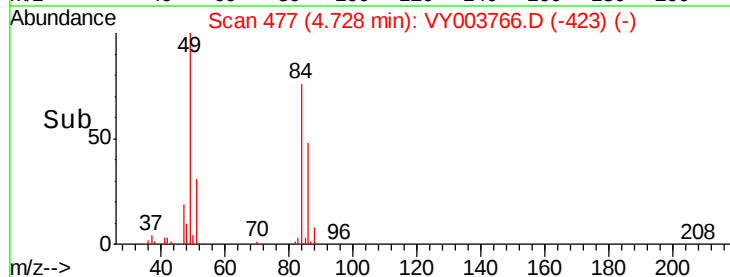
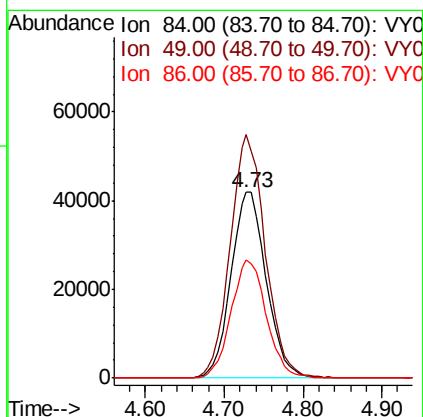
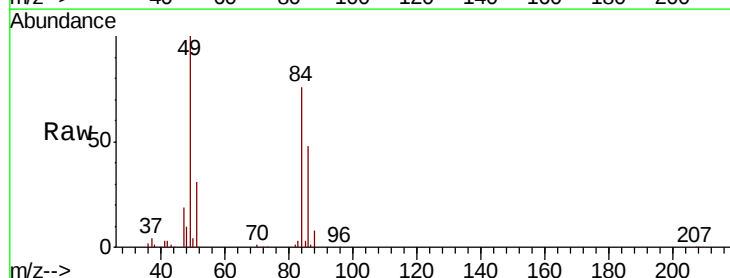
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02597

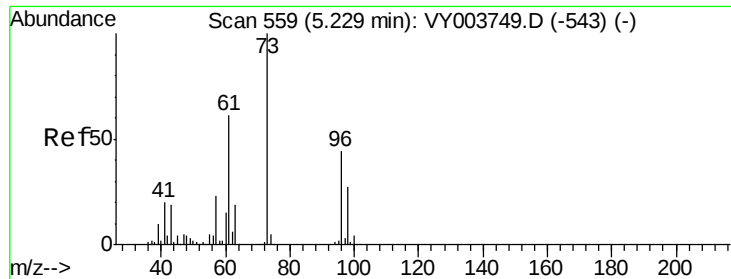
Tot Ion: 43 Resp: 84397
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5



#16
Methylene chloride
Concen: 21.803 ug/L
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Tgt Ion: 84 Resp: 130500
Ion Ratio Lower Upper
84 100
49 131.1 88.2 163.8
86 63.5 43.0 79.8

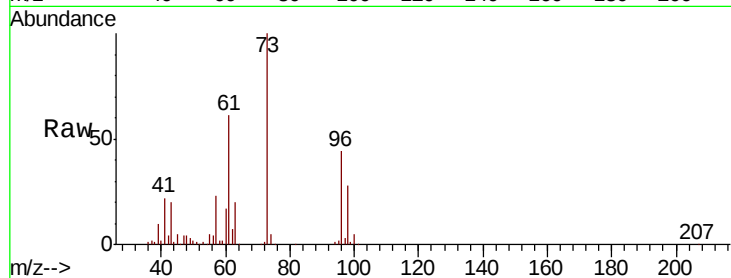




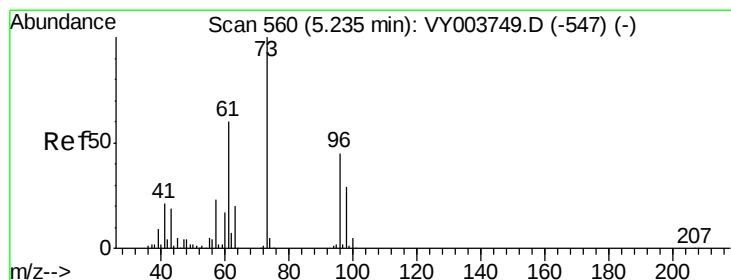
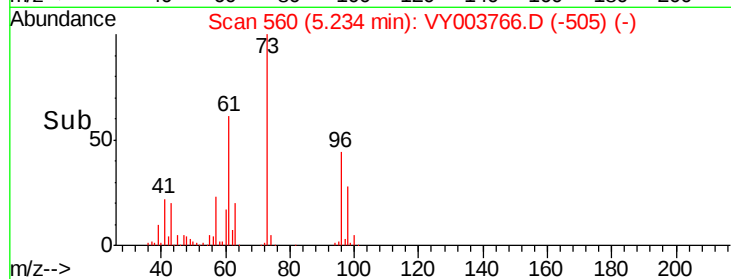
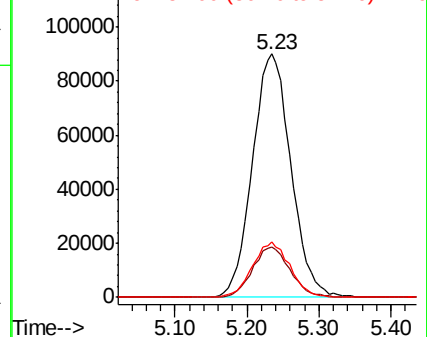
#17
Methvl tert-butvl Ether
Concen: 25.808 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.01 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02597

Tot Ion: 73 Resp: 333672
Ion Ratio Lower Upper
73 100
43 20.1 15.5 23.3
57 22.1 18.6 27.8

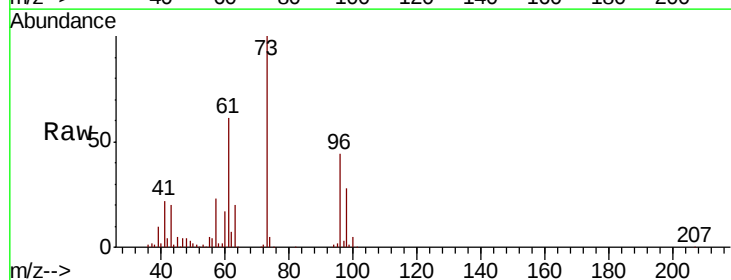


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

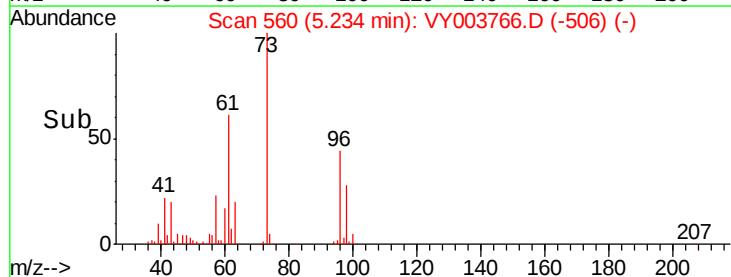
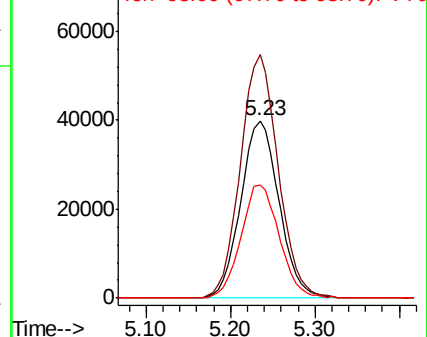


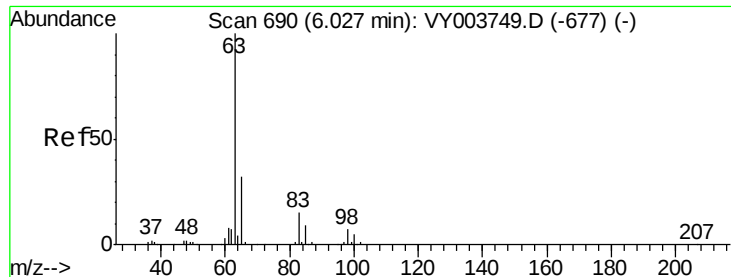
#18
trans-1,2-Dichloroethene
Concen: 24.636 ug/L
RT: 5.23 min Scan# 560
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Tgt Ion: 96 Resp: 122981
Ion Ratio Lower Upper
96 100
61 137.3 93.9 174.5
98 63.9 43.5 80.7



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

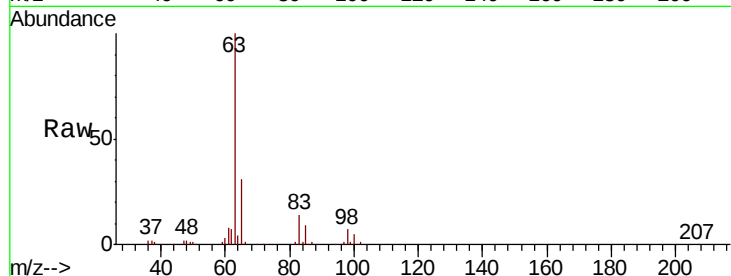




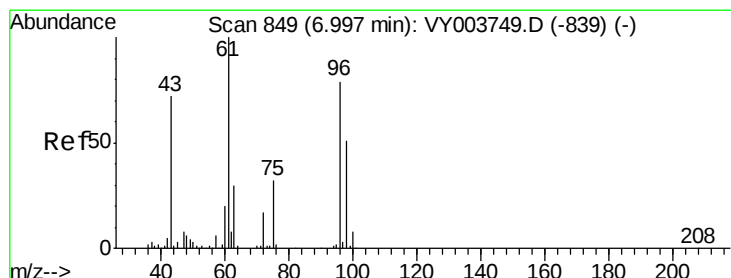
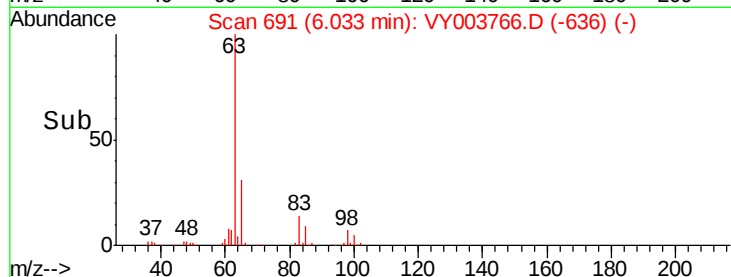
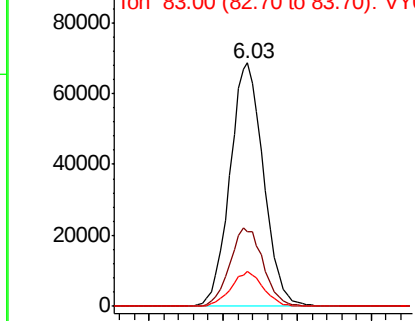
#19
 1,1-Dichloroethane
 Concen: 25.010 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VY003766.D
 Acq: 14 Dec 2020 22:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02597

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.3	41.3
83	14.1	9.4	17.6

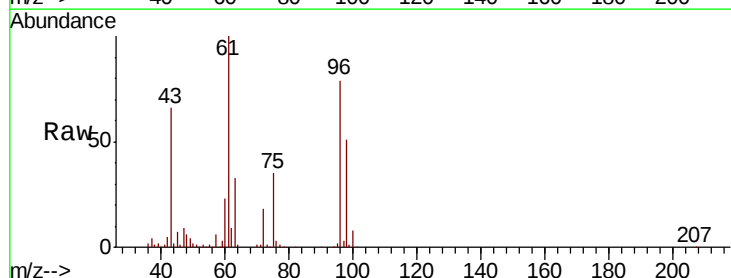


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

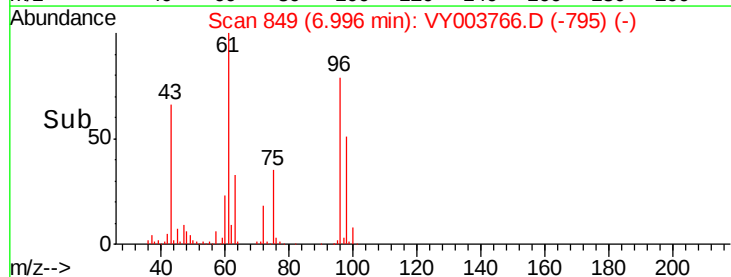
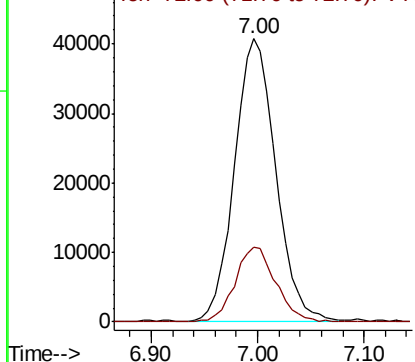


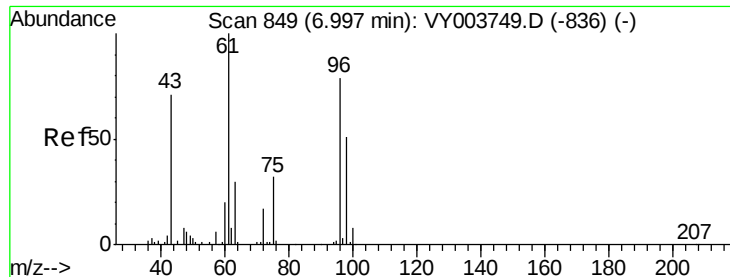
#21
 2-Butanone
 Concen: 46.739 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VY003766.D
 Acq: 14 Dec 2020 22:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.9	13.0	39.0



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 72.00 (71.70 to 72.70): VY0



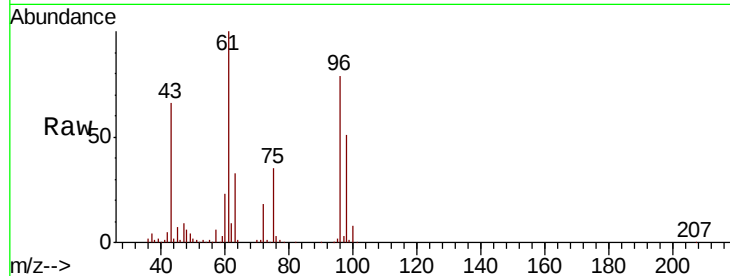


#22

cis-1,2-Dichloroethene
 Concen: 25.143 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VY003766.D
 Acq: 14 Dec 2020 22:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02597

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.2	88.0	163.4
98	64.9	45.4	84.4

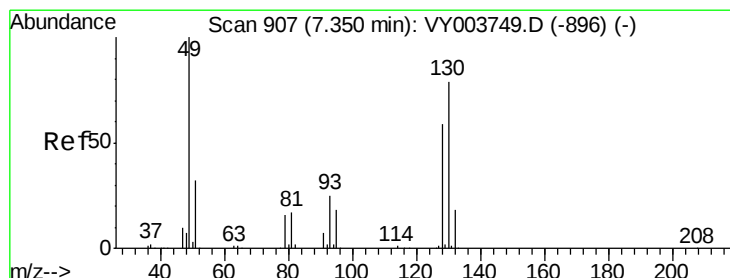
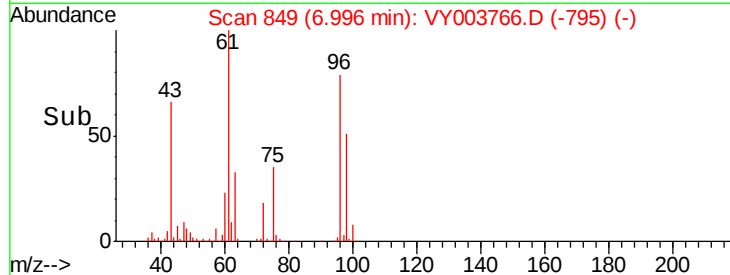
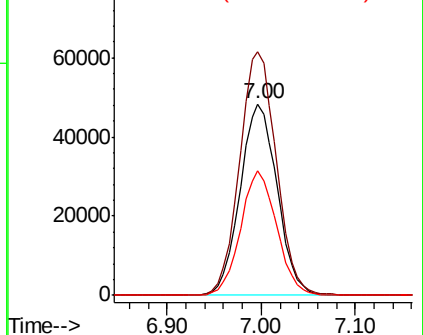


Abundance

Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

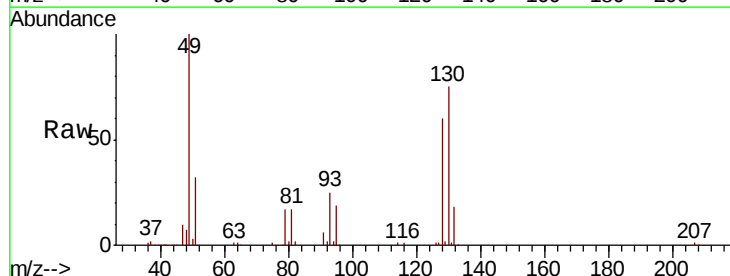
Ion 98.00 (97.70 to 98.70): VY0



#23

Bromochloromethane
 Concen: 25.728 ug/L
 RT: 7.34 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: VY003766.D
 Acq: 14 Dec 2020 22:36

Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.6	115.1	213.8
130	124.2	88.9	165.1
51	52.4	41.6	62.4



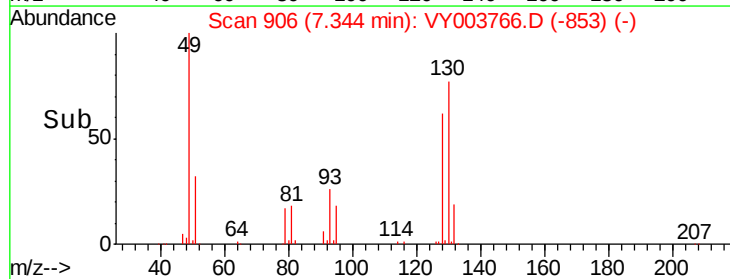
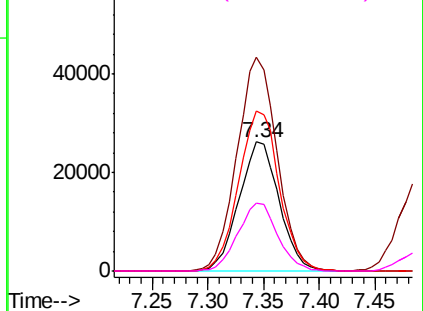
Abundance

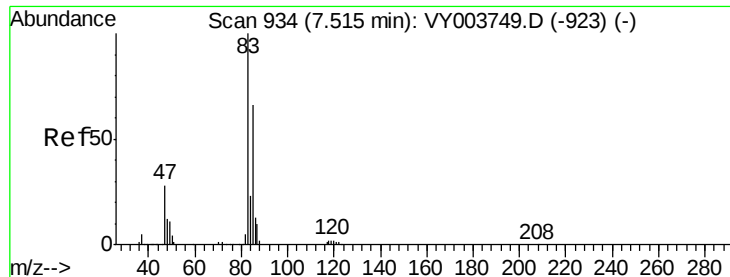
Ion 128.00 (127.70 to 128.70): V

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

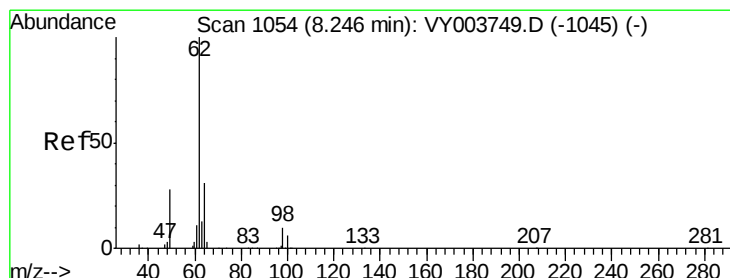
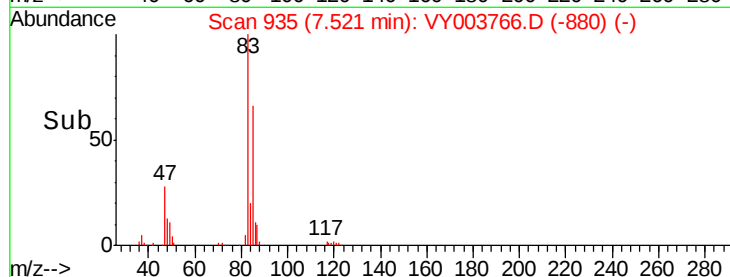
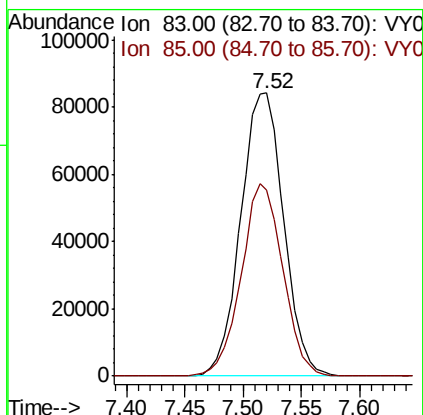
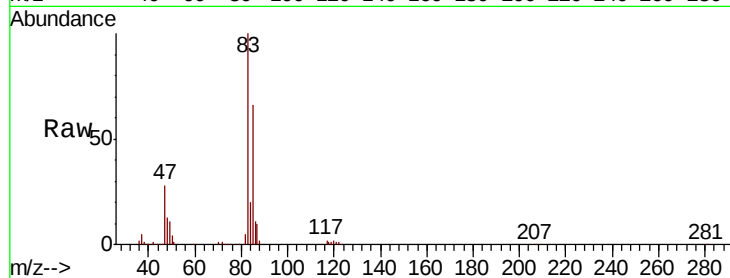




#25
Chloroform
Concen: 25.481 ug/L
RT: 7.52 min Scan# 935
Delta R.T. 0.01 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

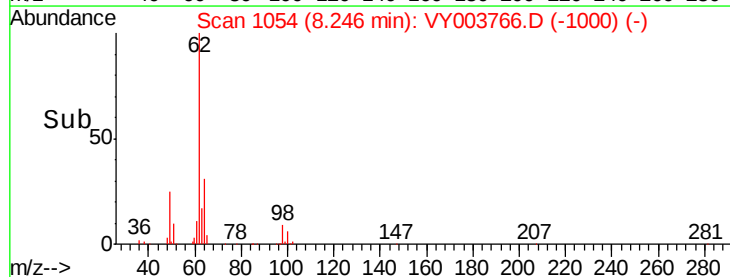
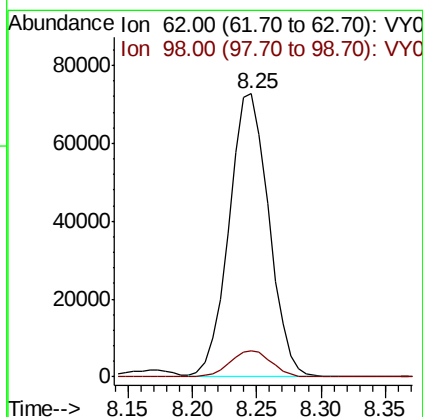
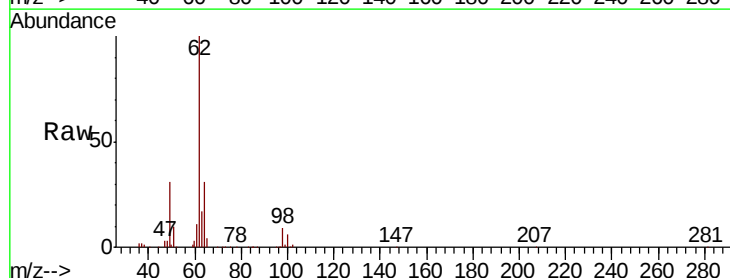
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02597

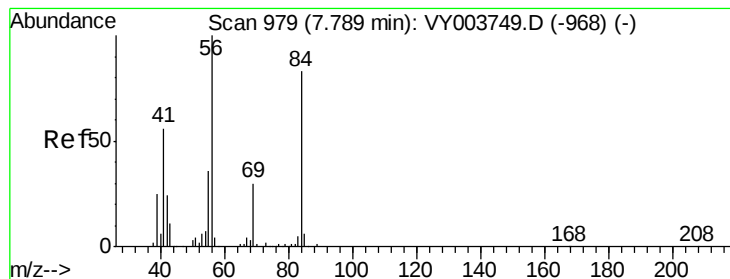
Tot Ion: 83 Resp: 216326
Ion Ratio Lower Upper
83 100
85 66.0 46.5 86.3



#27
1,2-Dichloroethane
Concen: 26.598 ug/L
RT: 8.25 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Tgt Ion: 62 Resp: 156500
Ion Ratio Lower Upper
62 100
98 9.4 8.3 12.5





#30

Cyclohexane

Concen: 23.808 ug/L

RT: 7.79 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02597

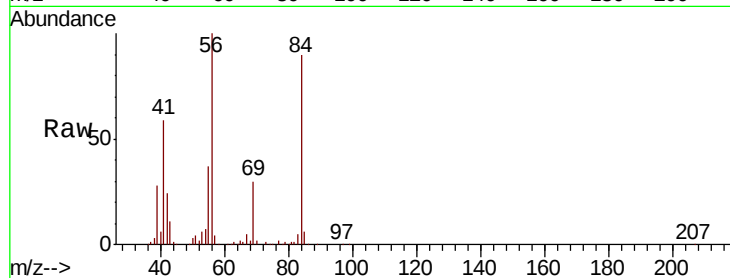
Tot Ion: 56 Resp: 203815

Ion Ratio Lower Upper

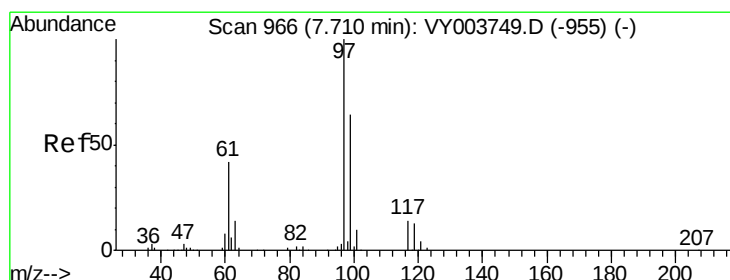
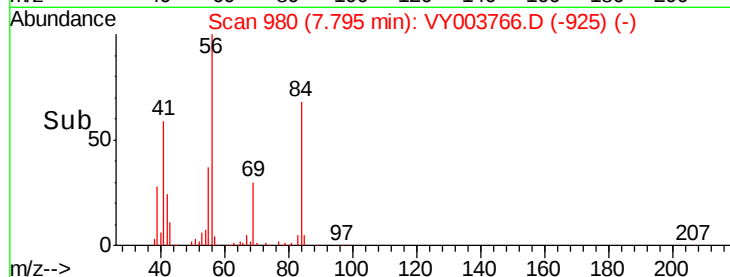
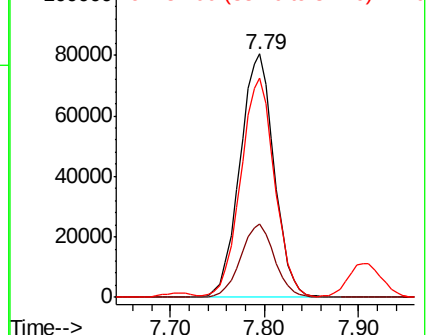
56 100

69 29.6 23.4 35.0

84 89.5 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#31

1,1,1-Trichloroethane

Concen: 25.507 ug/L

RT: 7.71 min Scan# 966

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

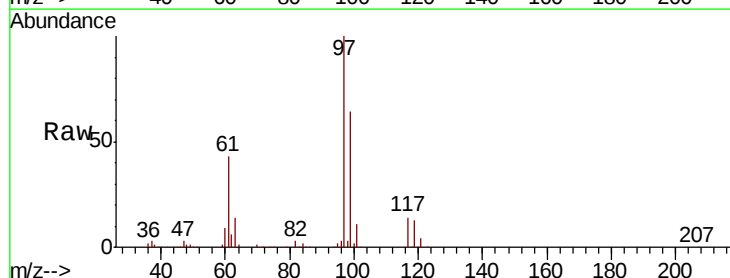
Tgt Ion: 97 Resp: 194526

Ion Ratio Lower Upper

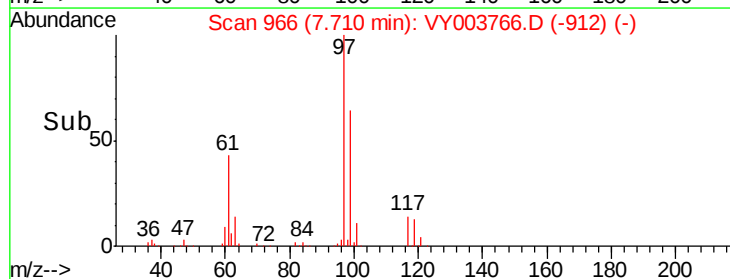
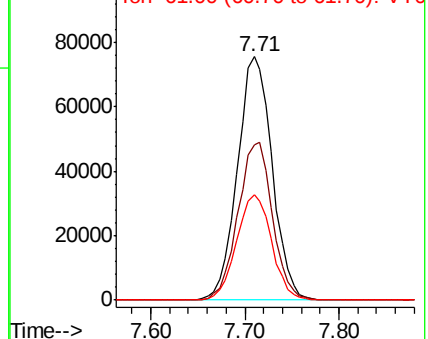
97 100

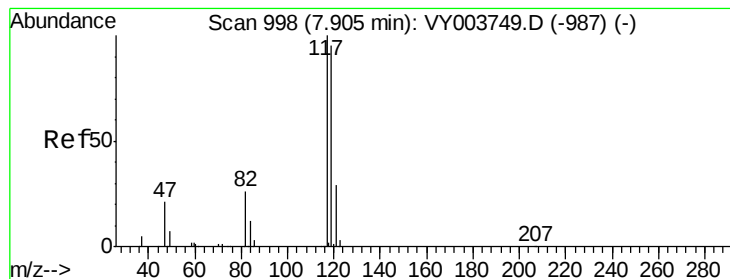
99 64.2 50.8 76.2

61 43.5 34.1 51.1



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 25.211 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

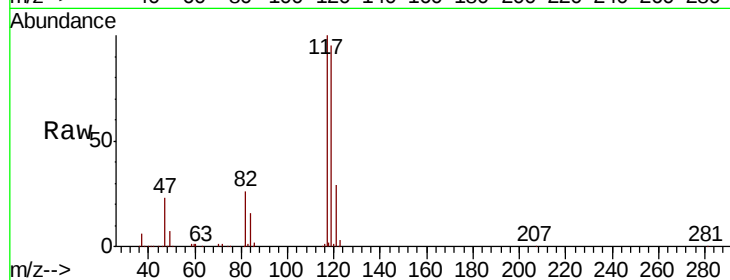
VSTD02597

Tot Ion:117 Resp: 169775

Ion Ratio Lower Upper

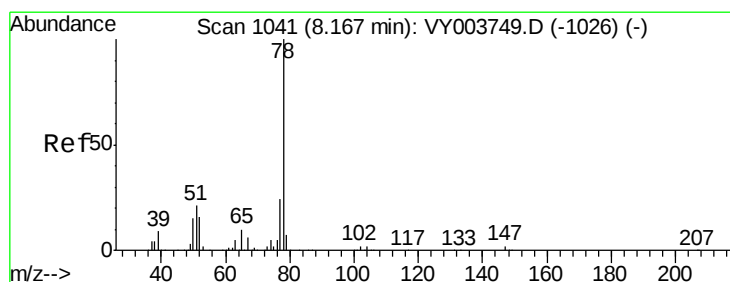
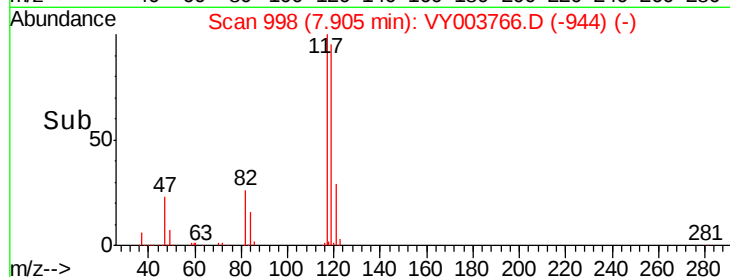
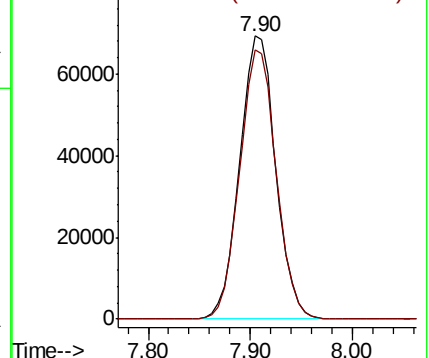
117 100

119 96.2 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.964 ug/L

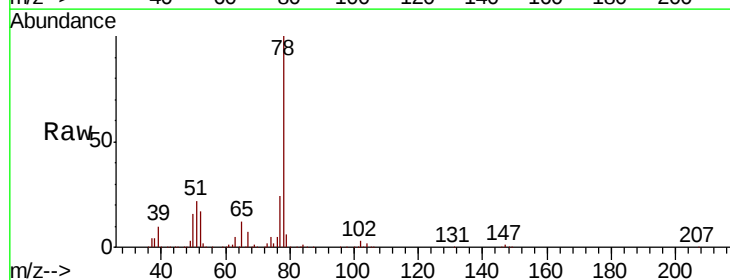
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

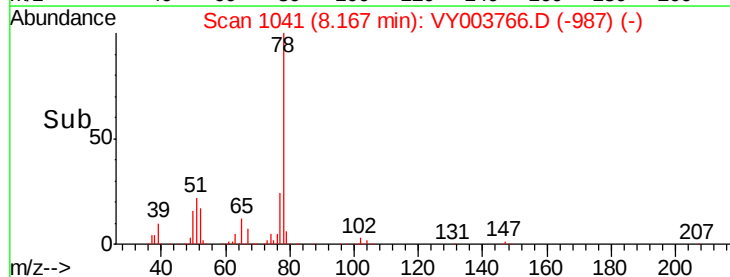
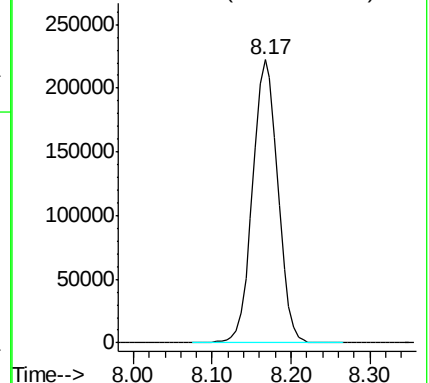
Lab File: VY003766.D

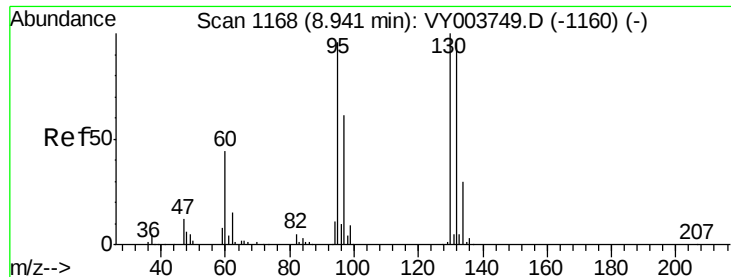
Acq: 14 Dec 2020 22:36

Tgt Ion: 78 Resp: 495359



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 24.738 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02597

Tot Ion: 95 Resp: 131756

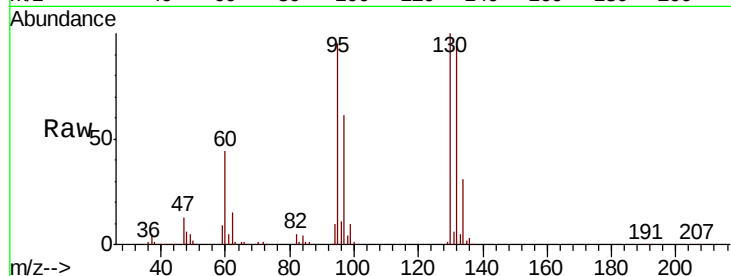
Ion Ratio Lower Upper

95 100

97 65.3 45.4 84.4

132 102.3 70.8 131.4

130 106.5 74.1 137.7

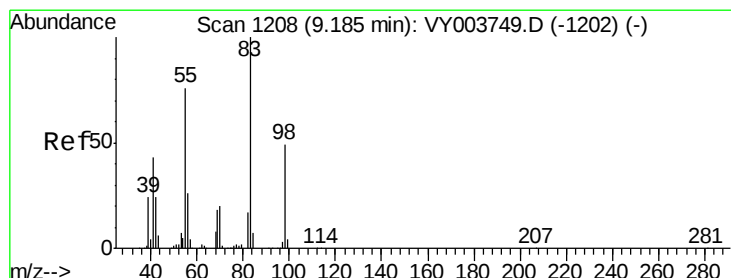
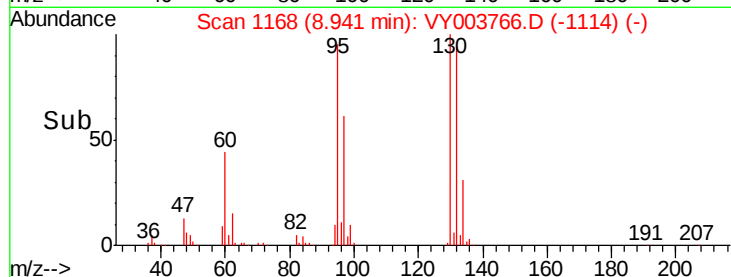
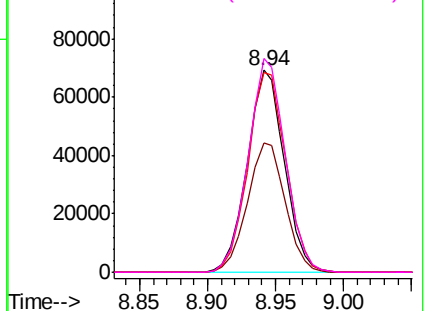


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#36

Methylcyclohexane

Concen: 23.989 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

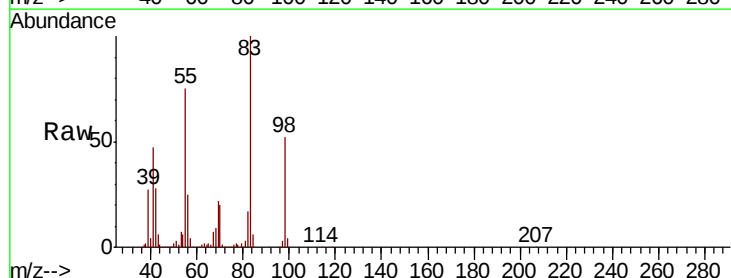
Tgt Ion: 83 Resp: 216432

Ion Ratio Lower Upper

83 100

55 75.4 60.3 90.5

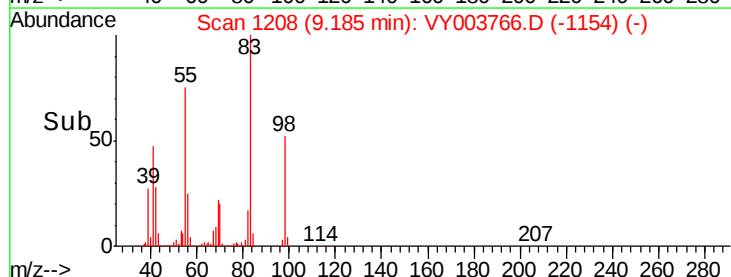
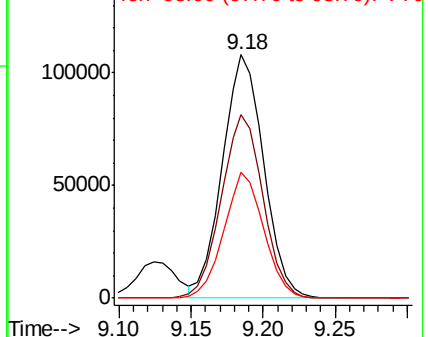
98 49.9 40.4 60.6

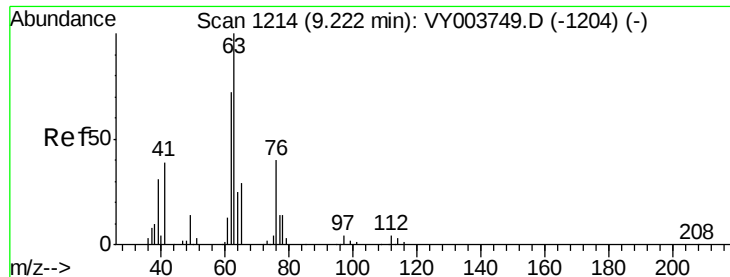


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

1,2-Dichloropropane

Concen: 24.750 ug/L

RT: 9.22 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

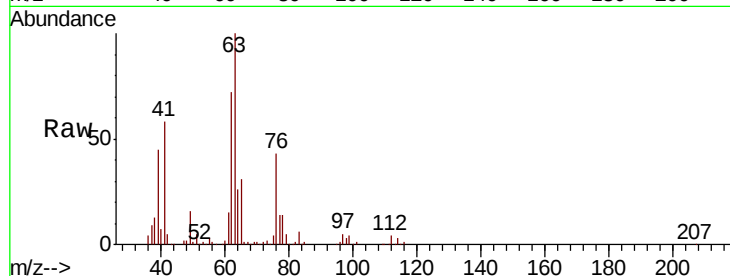
VSTD02597

Tot Ion: 63 Resp: 127290

Ion Ratio Lower Upper

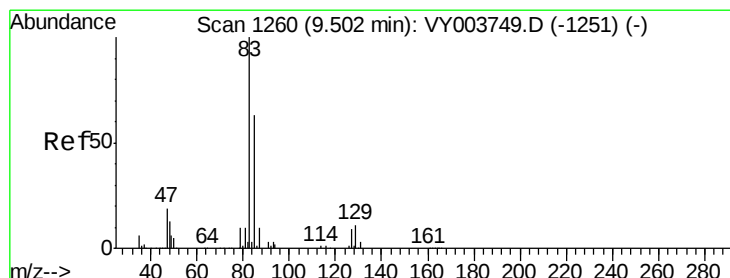
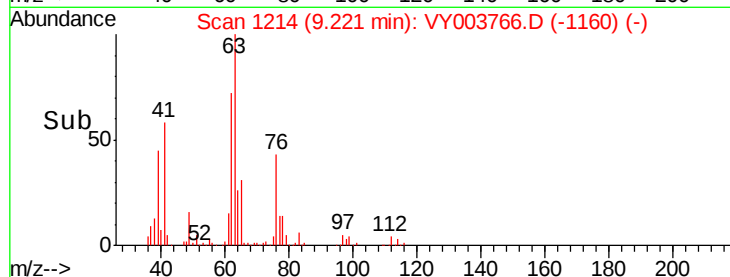
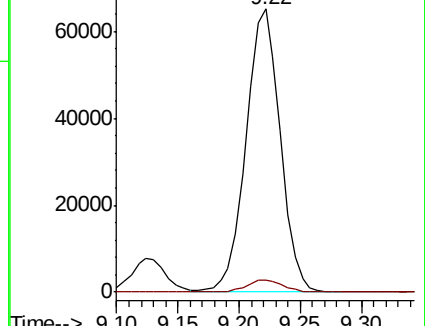
63 100

112 4.5 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VY003749.D (-1204) (-)

Ion 112.00 (111.70 to 112.70): VY003749.D (-1204) (-)



#41

Bromodichloromethane

Concen: 25.803 ug/L

RT: 9.50 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

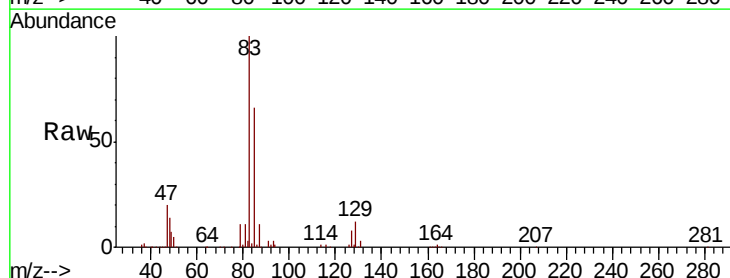
Tgt Ion: 83 Resp: 166148

Ion Ratio Lower Upper

83 100

85 66.1 44.2 82.2

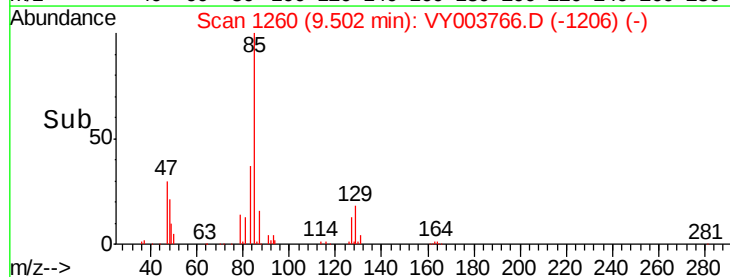
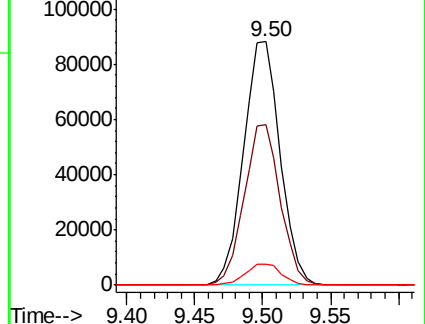
127 8.5 6.6 10.0

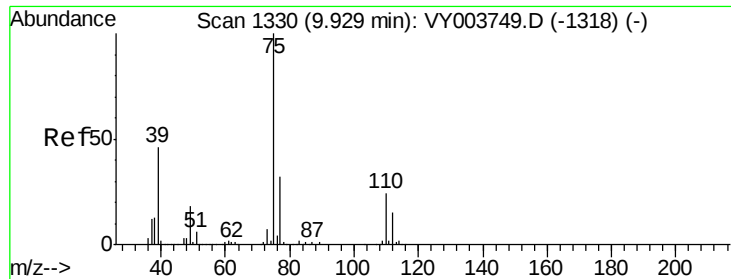


Abundance Ion 83.00 (82.70 to 83.70): VY003749.D (-1251) (-)

Ion 85.00 (84.70 to 85.70): VY003749.D (-1251) (-)

Ion 127.00 (126.70 to 127.70): VY003749.D (-1251) (-)



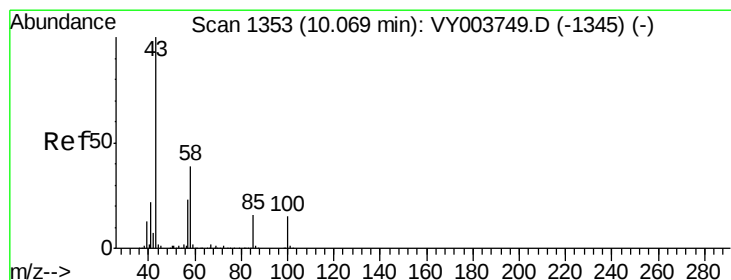
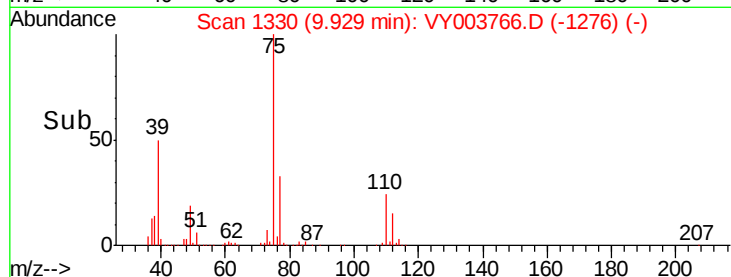
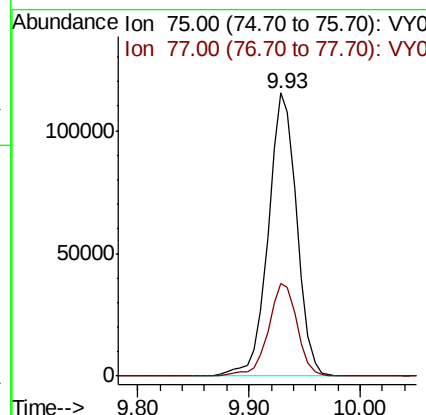
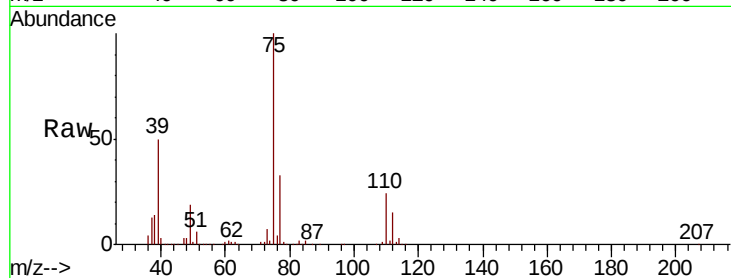


#42

cis-1,3-Dichloropropene
 Concen: 25.182 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003766.D
 Acq: 14 Dec 2020 22:36

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD02597

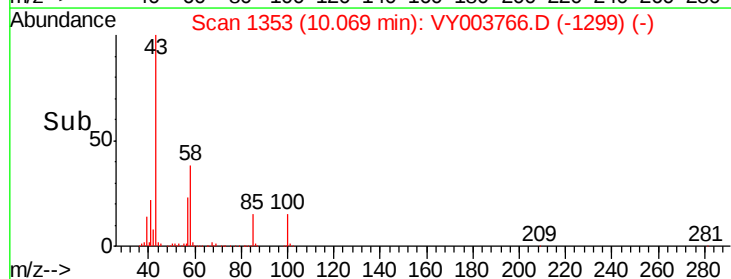
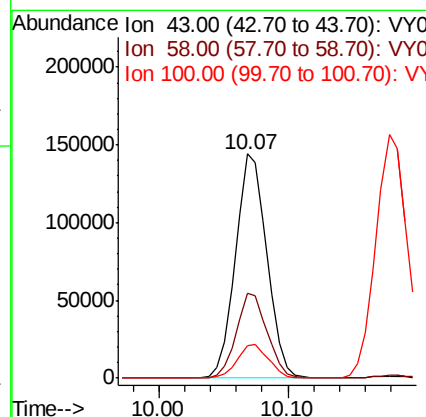
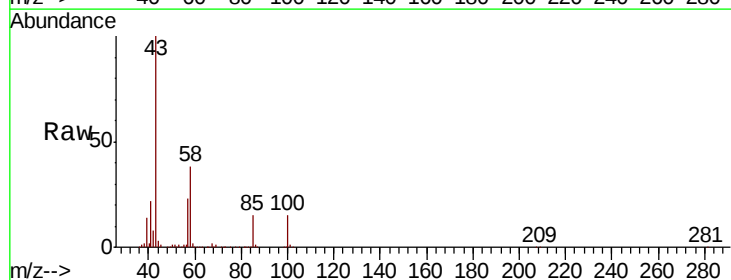
Tot Ion: 75 Resp: 205791
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.3 39.6

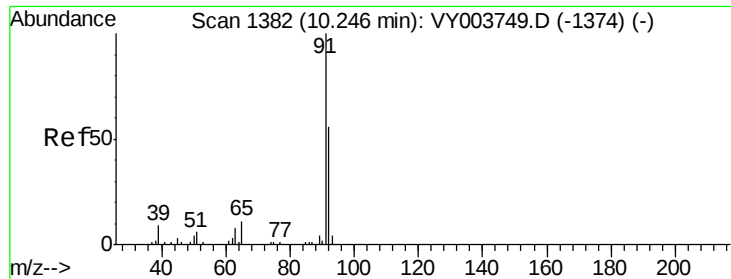


#43

4-Methyl-2-pentanone
 Concen: 48.901 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VY003766.D
 Acq: 14 Dec 2020 22:36

Tgt Ion: 43 Resp: 243867
 Ion Ratio Lower Upper
 43 100
 58 37.3 30.8 46.2
 100 15.1 11.8 17.8





#44

Toluene

Concen: 25.487 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

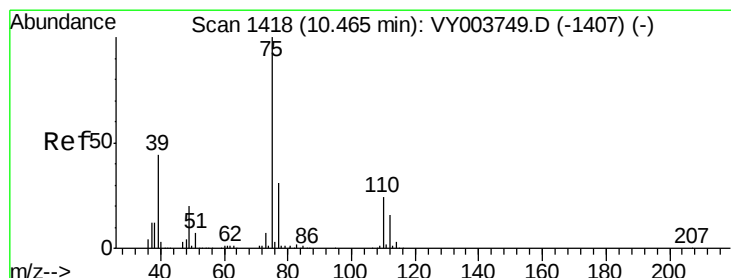
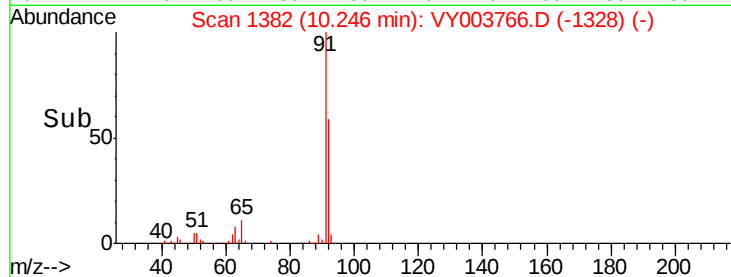
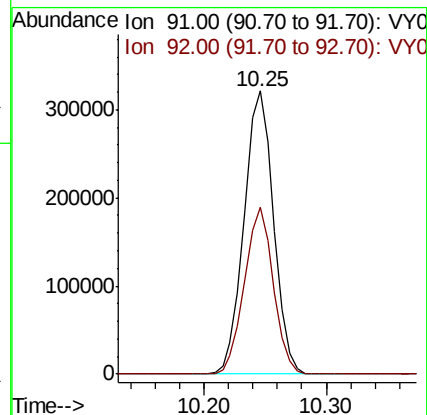
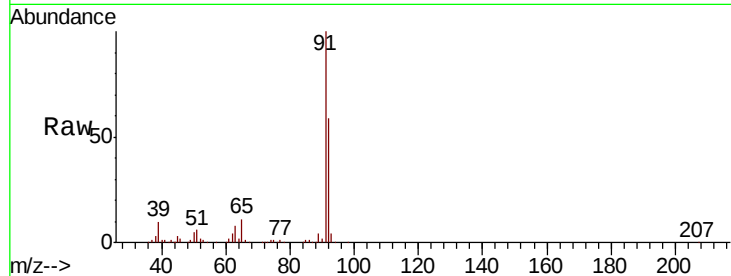
VSTD02597

Tot Ion: 91 Resp: 537208

Ion Ratio Lower Upper

91 100

92 58.8 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 25.849 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003766.D

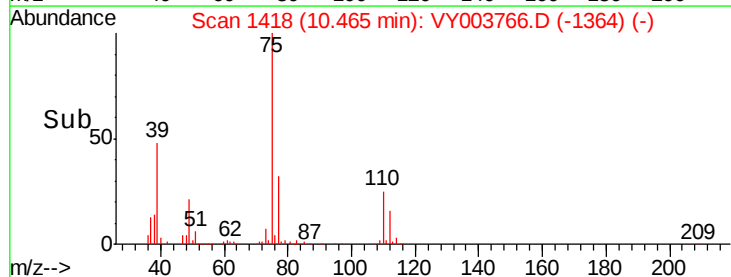
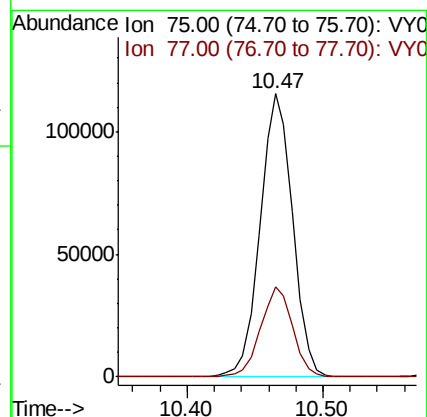
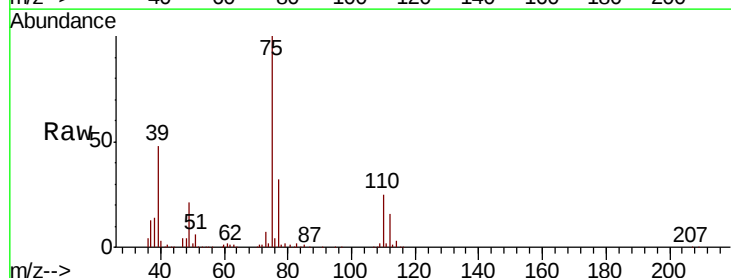
Acq: 14 Dec 2020 22:36

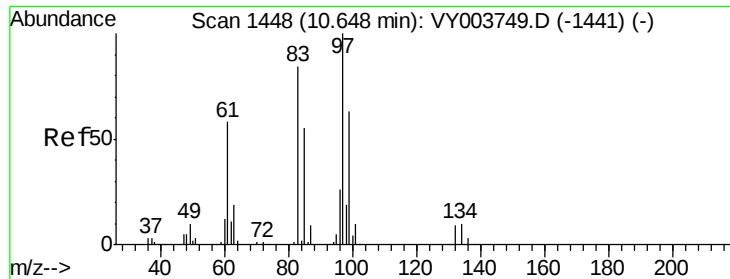
Tgt Ion: 75 Resp: 193298

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1

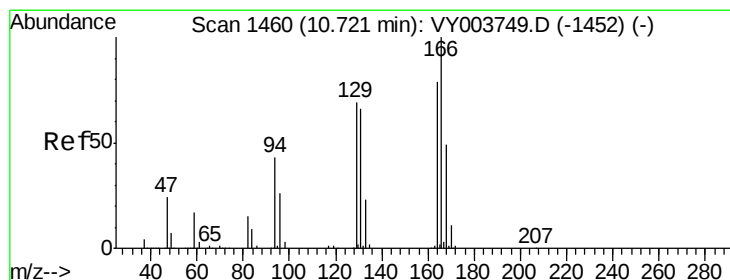
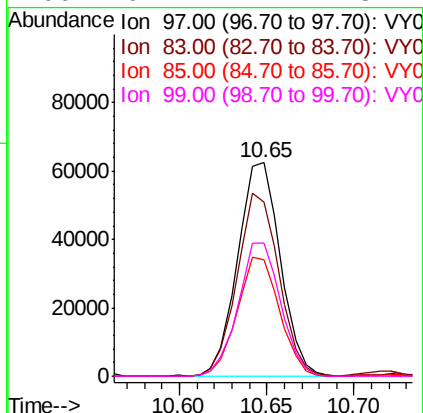
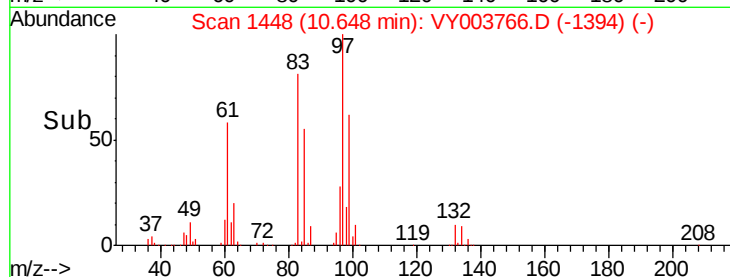
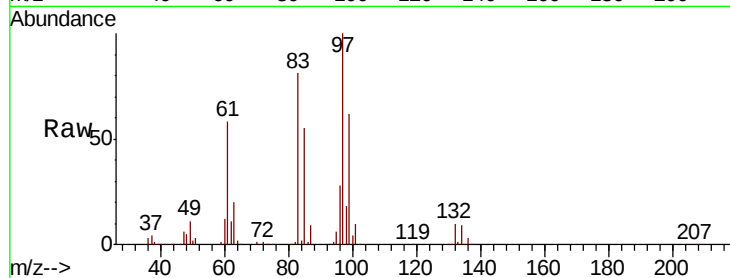




#46
1,1,2-Trichloroethane
Concen: 25.533 ug/L
RT: 10.65 min Scan# 1448
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

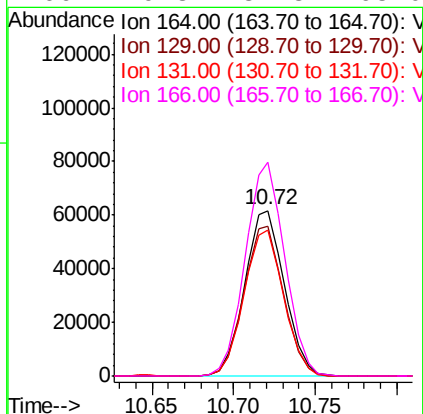
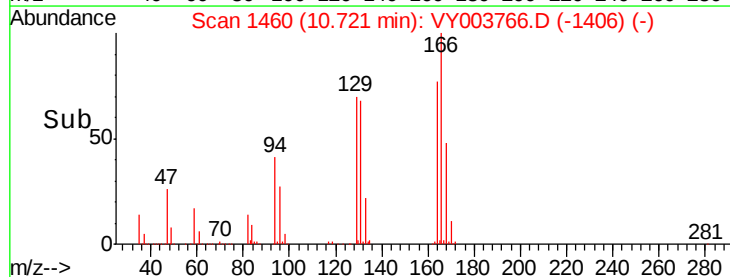
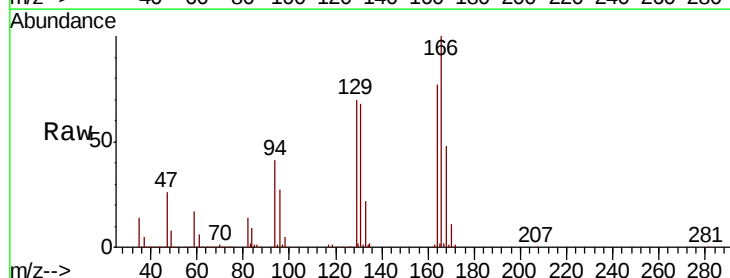
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02597

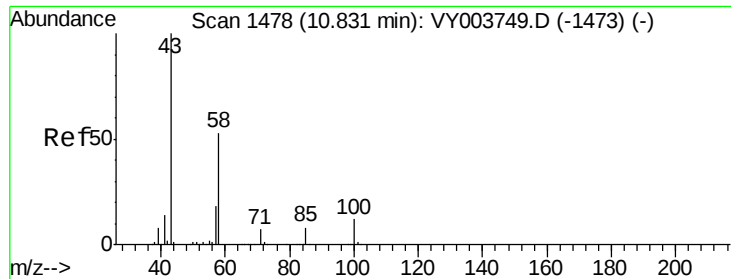
Tot Ion:	97	Resp:	106347
Ion	Ratio	Lower	Upper
97	100		
83	81.4	60.0	111.4
85	54.8	38.9	72.2
99	62.2	44.4	82.4



#47
Tetrachloroethene
Concen: 24.635 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Tgt Ion:	164	Resp:	104328
Ion	Ratio	Lower	Upper
164	100		
129	90.7	61.3	113.9
131	88.2	60.4	112.2
166	129.3	87.8	163.0

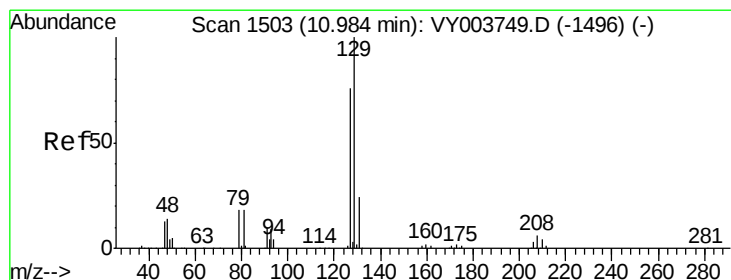
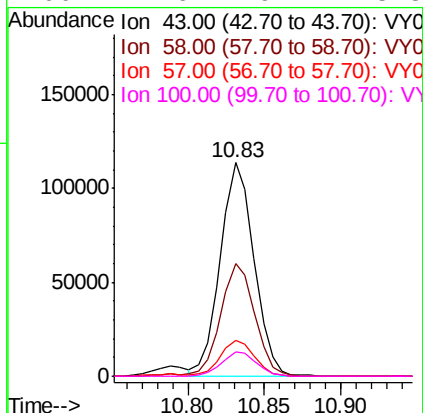
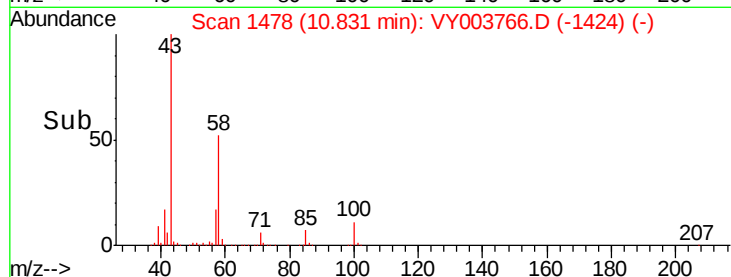
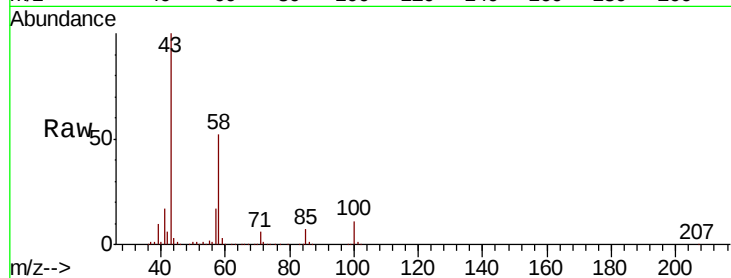




#49
2-Hexanone
Concen: 51.051 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

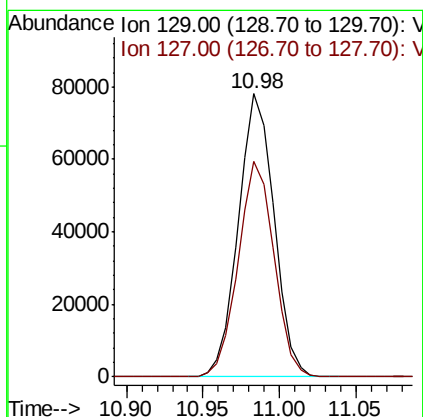
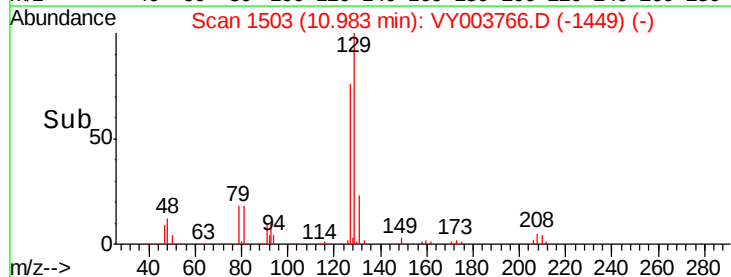
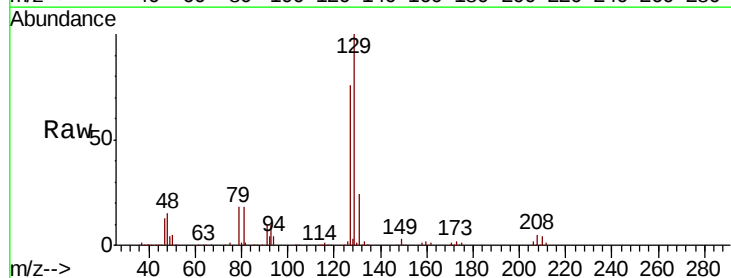
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02597

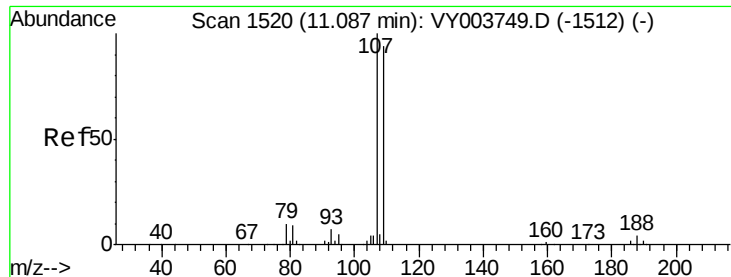
Tot Ion: 43 Resp: 174710
Ion Ratio Lower Upper
43 100
58 53.0 43.0 64.4
57 16.8 14.1 21.1
100 11.6 9.2 13.8



#50
Dibromochloromethane
Concen: 25.987 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Tgt Ion: 129 Resp: 126801
Ion Ratio Lower Upper
129 100
127 76.2 55.2 102.4

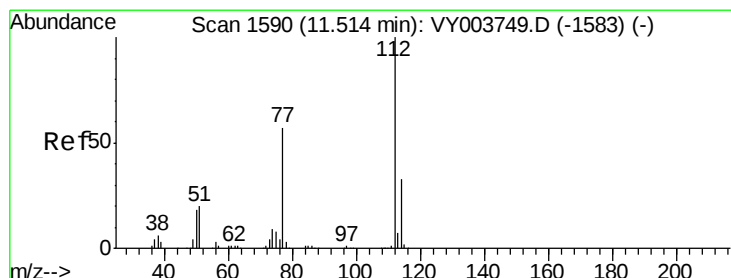
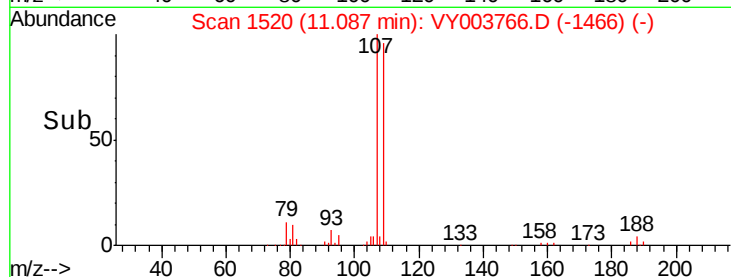
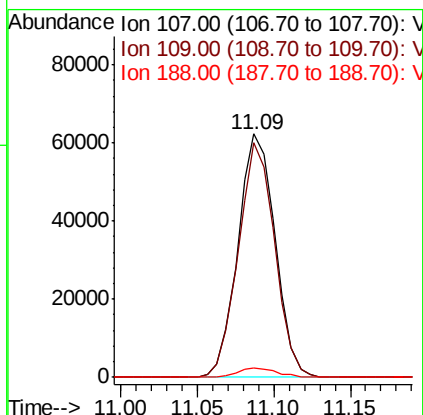
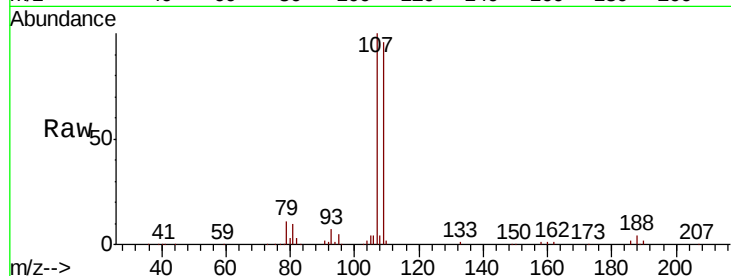




#51
1,2-Dibromoethane
Concen: 25.424 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

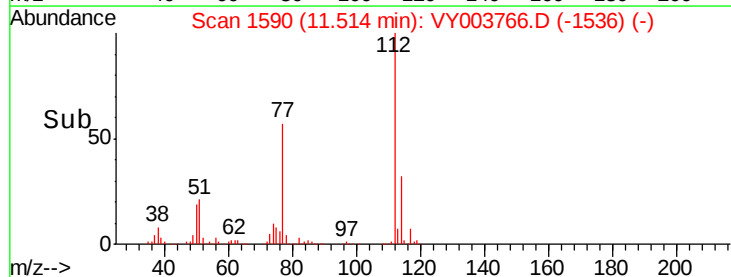
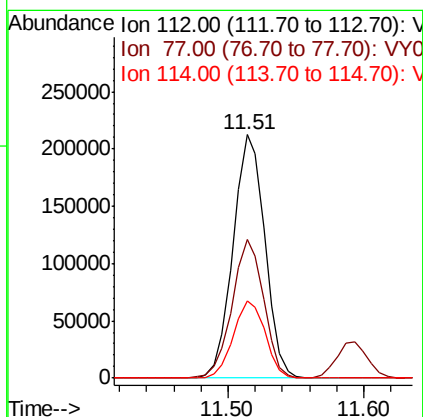
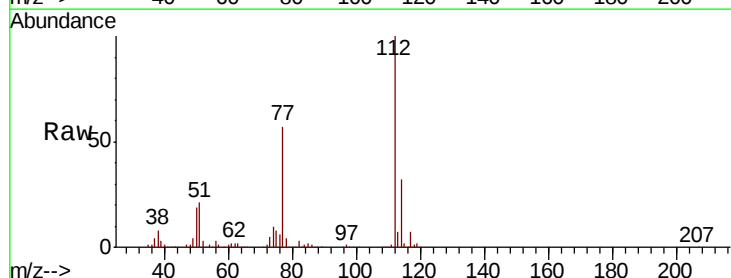
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02597

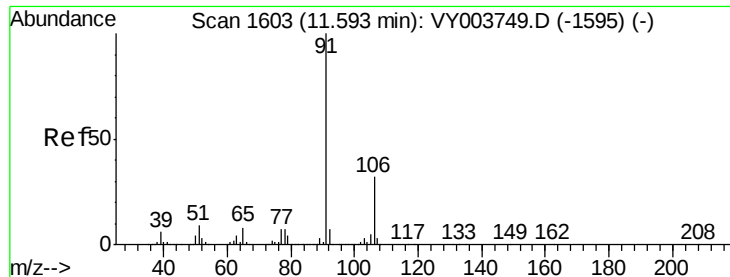
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	64.6	120.0
188	4.0	2.9	4.3



#52
Chlorobenzene
Concen: 25.602 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.9	45.1	67.7
114	31.7	22.6	42.0

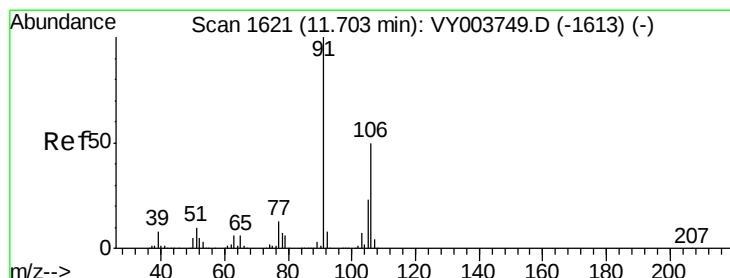
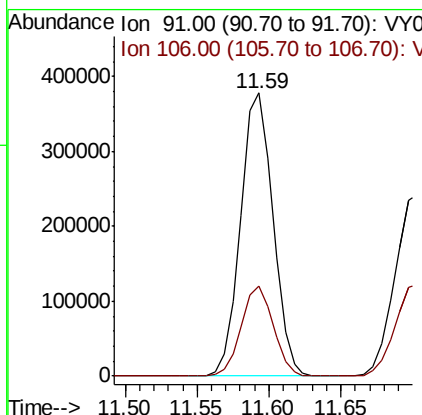
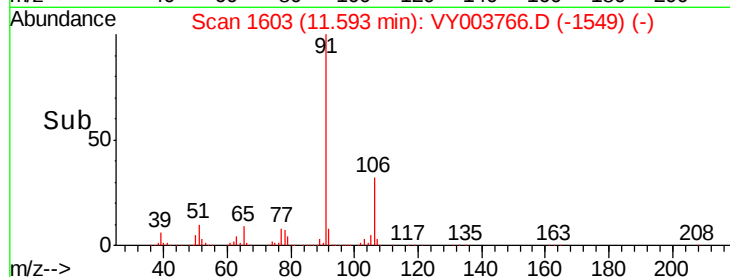
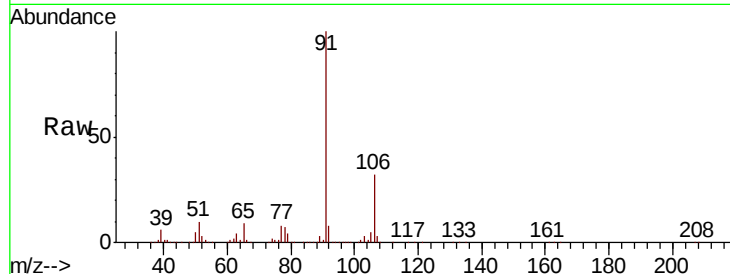




#53
Ethylbenzene
Concen: 25.640 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

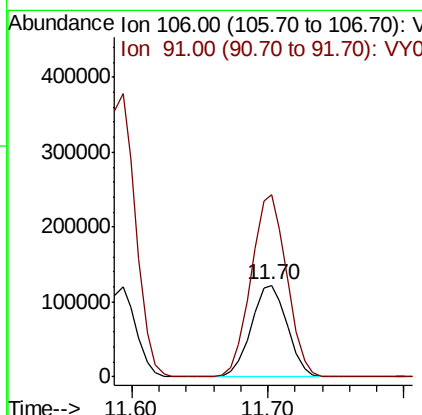
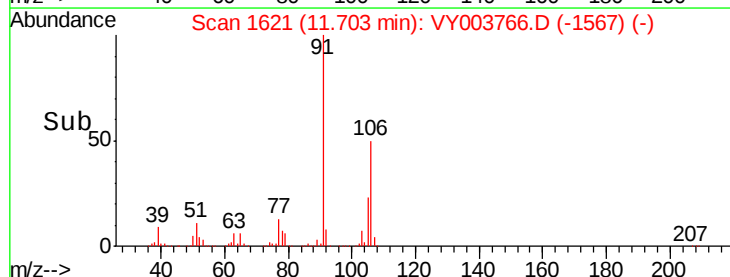
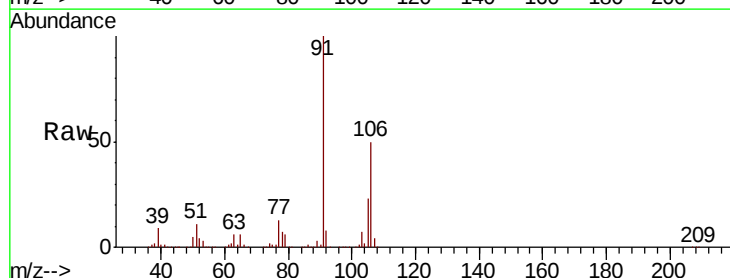
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02597

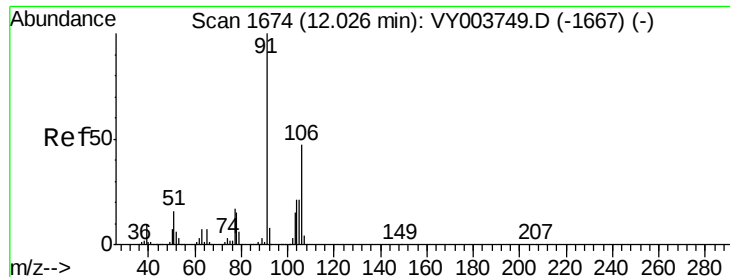
Tot Ion: 91 Resp: 590469
Ion Ratio Lower Upper
91 100
106 31.7 22.0 41.0



#54
m,p-Xylene
Concen: 25.449 ug/L
RT: 11.70 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Tgt Ion: 106 Resp: 226060
Ion Ratio Lower Upper
106 100
91 199.3 136.4 253.4





#55

o-xylene

Concen: 26.474 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

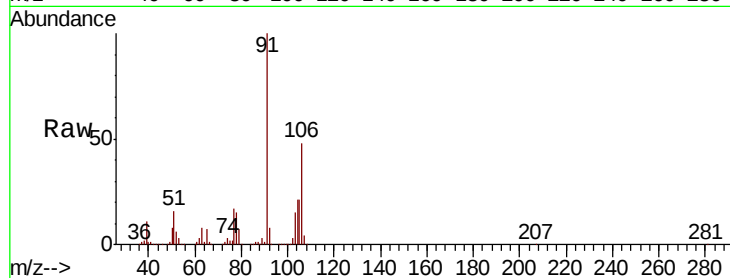
VSTD02597

Tot Ion:106 Resp: 220683

Ion Ratio Lower Upper

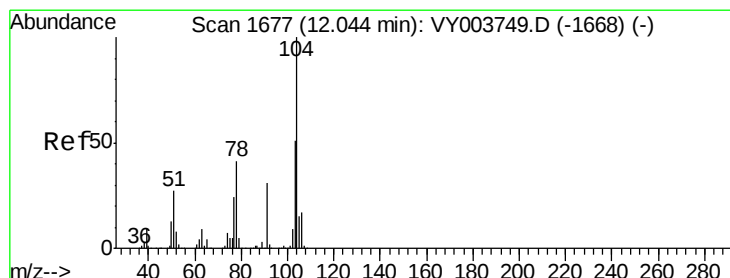
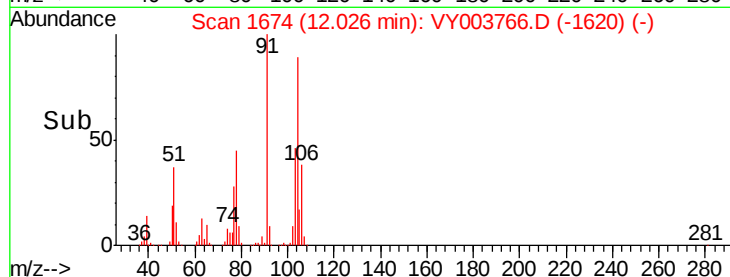
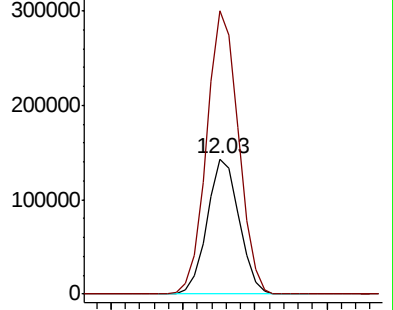
106 100

91 208.9 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 26.790 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003766.D

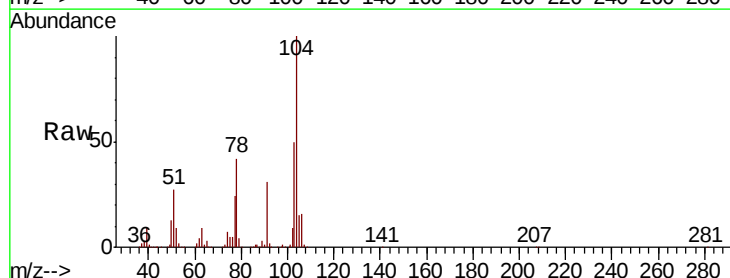
Acq: 14 Dec 2020 22:36

Tgt Ion:104 Resp: 381246

Ion Ratio Lower Upper

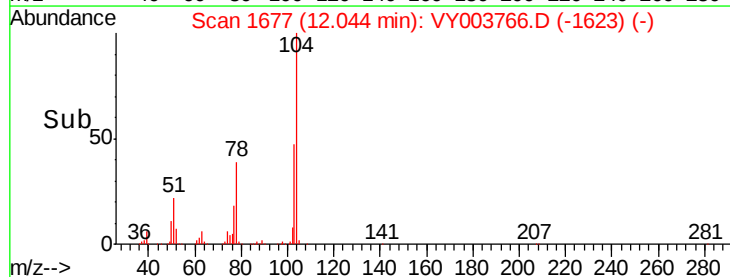
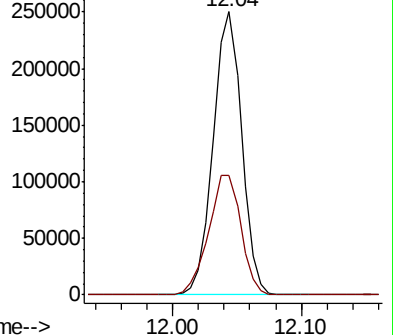
104 100

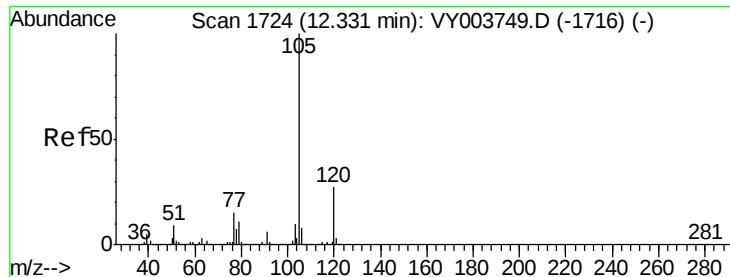
78 42.4 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 25.943 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02597

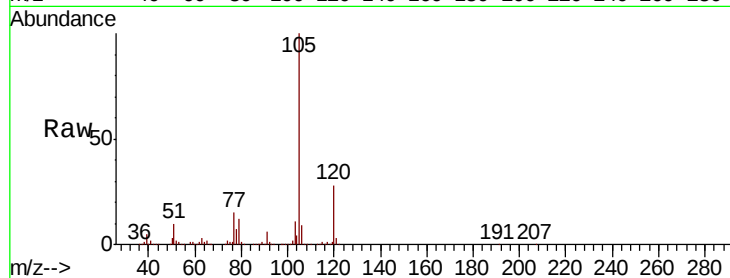
Tot Ion: 105 Resp: 577452

Ion Ratio Lower Upper

105 100

120 27.5 22.1 33.1

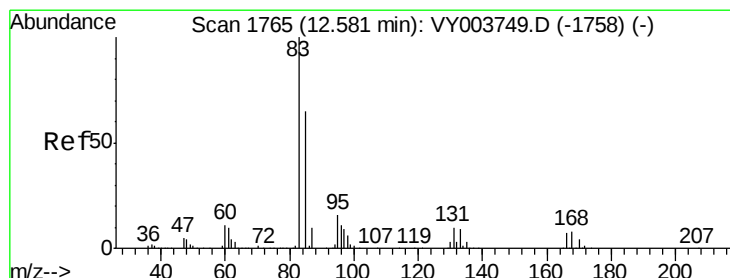
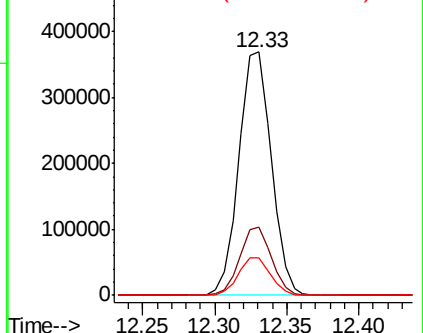
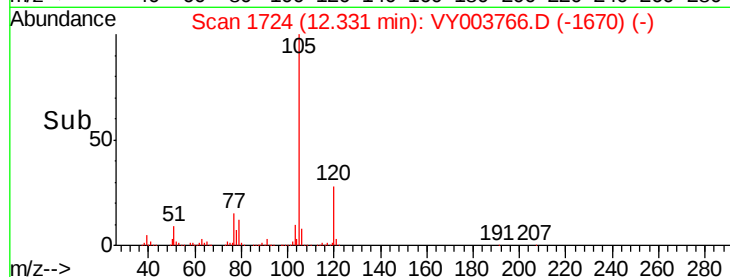
77 15.4 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.190 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

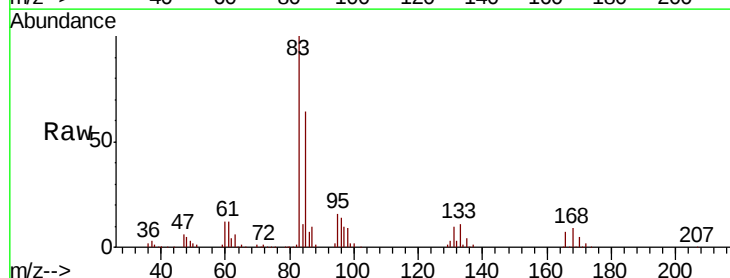
Tgt Ion: 83 Resp: 122575

Ion Ratio Lower Upper

83 100

85 64.3 43.9 81.5

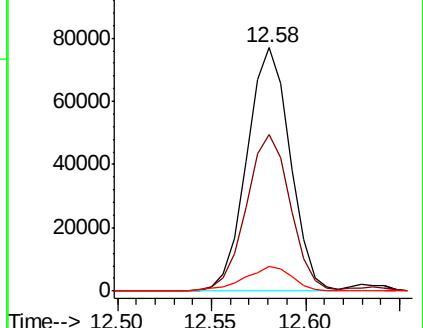
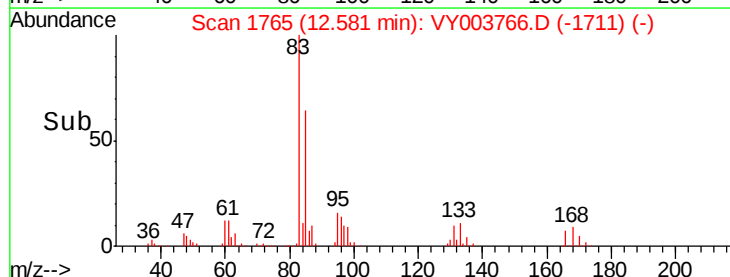
131 10.0 7.8 11.8

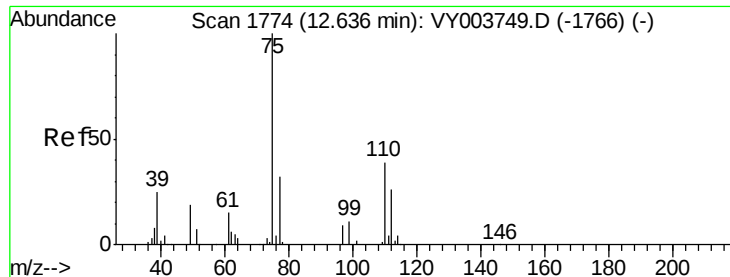


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.100 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

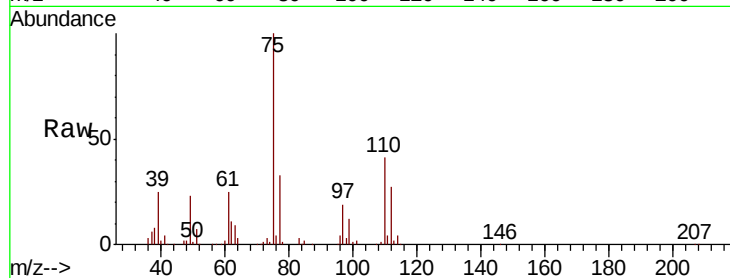
VSTD02597

Tot Ion: 75 Resp: 103039

Ion Ratio Lower Upper

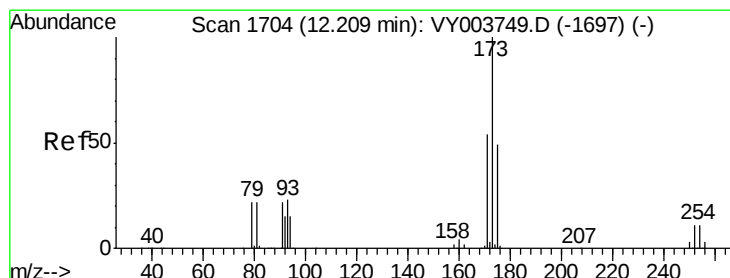
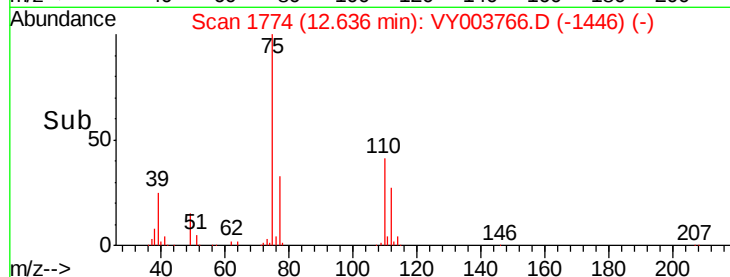
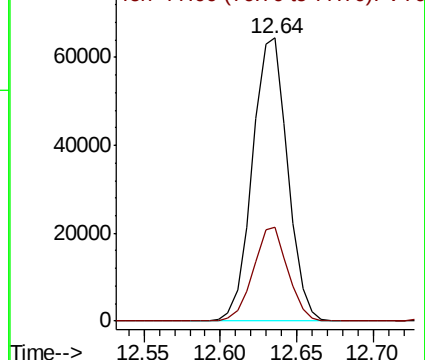
75 100

77 32.6 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VY003749.D (-1766) (-)

Ion 77.00 (76.70 to 77.70): VY003749.D (-1766) (-)



#62

Bromoform

Concen: 25.661 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

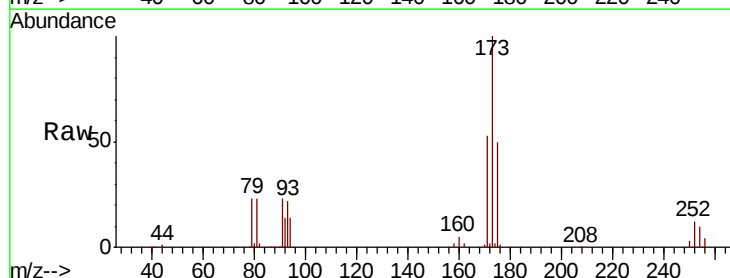
Tgt Ion: 173 Resp: 85917

Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

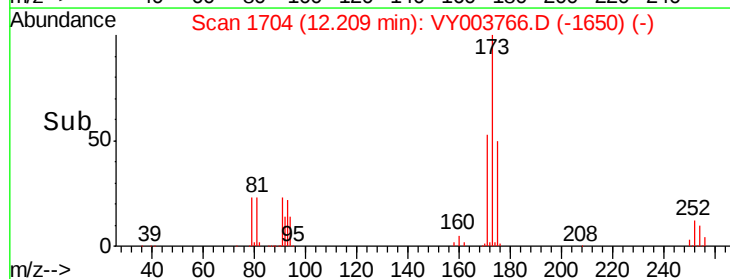
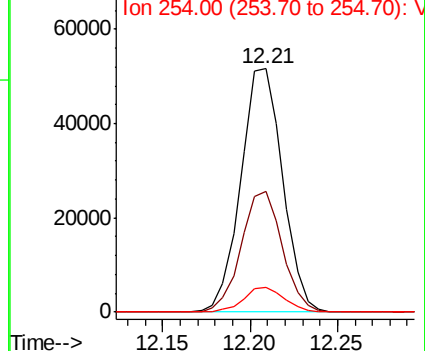
254 10.0 7.8 11.6

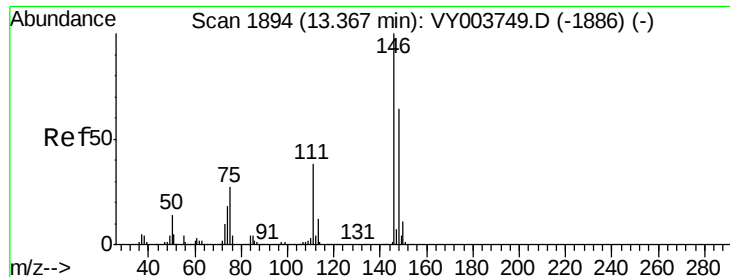


Abundance Ion 173.00 (172.70 to 173.70): VY003749.D (-1697) (-)

Ion 175.00 (174.70 to 175.70): VY003749.D (-1697) (-)

Ion 254.00 (253.70 to 254.70): VY003749.D (-1697) (-)





#63

1,3-Dichlorobenzene

Concen: 25.487 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.01 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02597

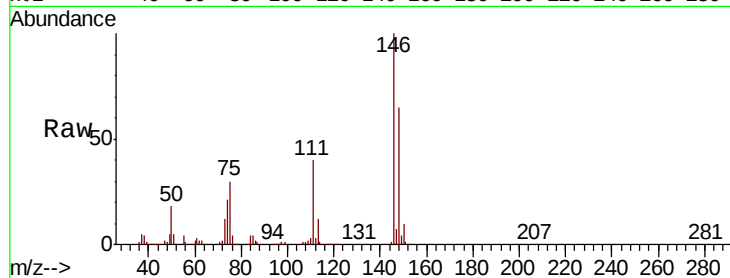
Tot Ion:146 Resp: 267967

Ion Ratio Lower Upper

146 100

111 39.6 26.9 50.1

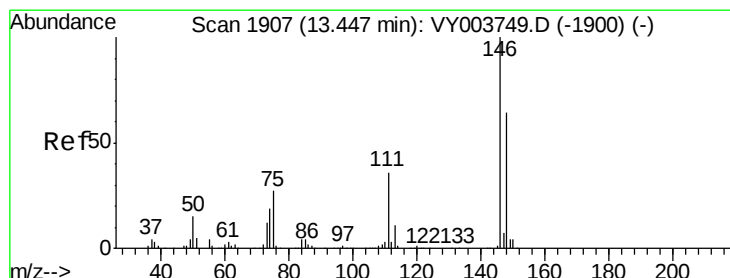
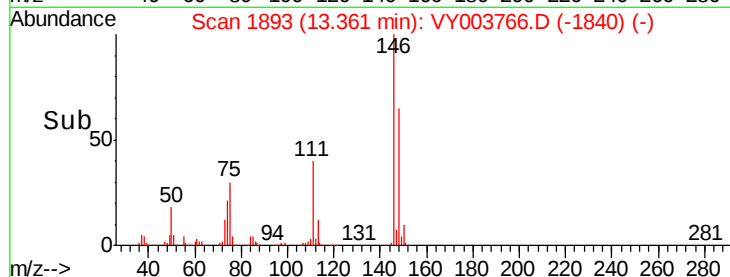
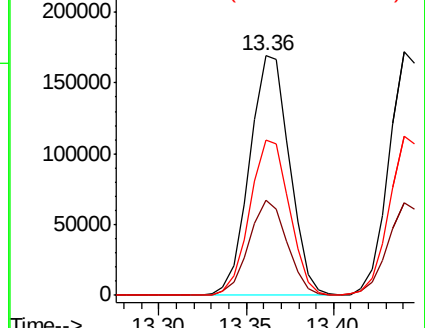
148 64.7 46.0 85.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.956 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. -0.01 min

Lab File: VY003766.D

Acq: 14 Dec 2020 22:36

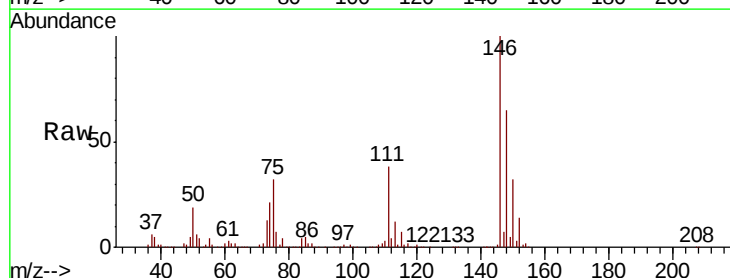
Tgt Ion:146 Resp: 266695

Ion Ratio Lower Upper

146 100

111 38.2 24.8 46.0

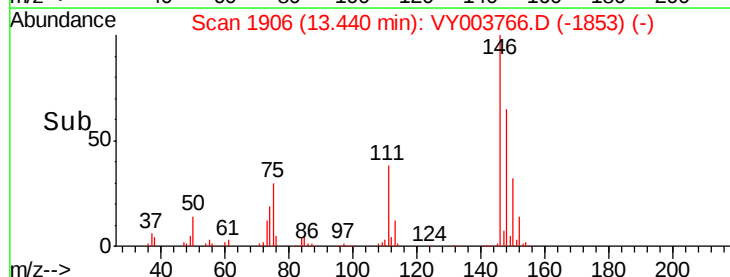
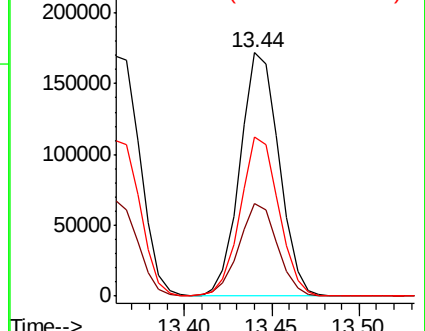
148 65.3 44.4 82.5

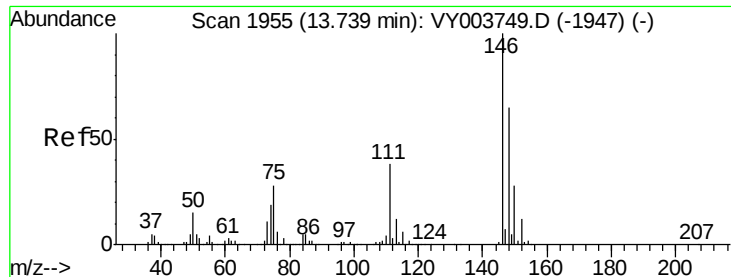


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

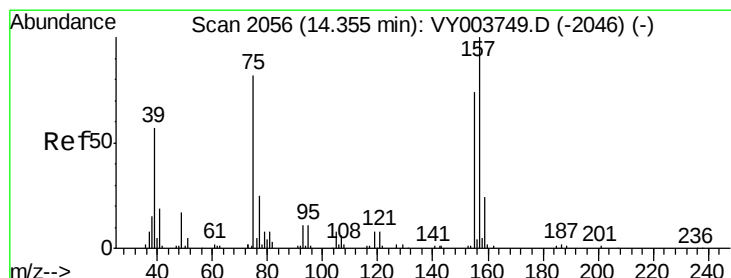
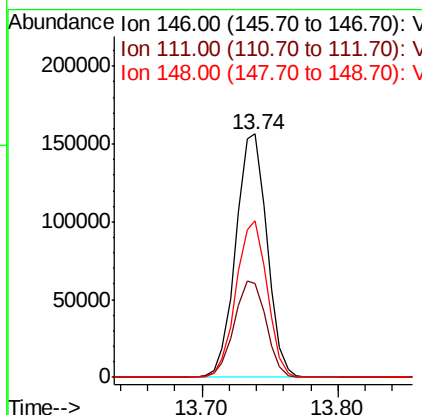
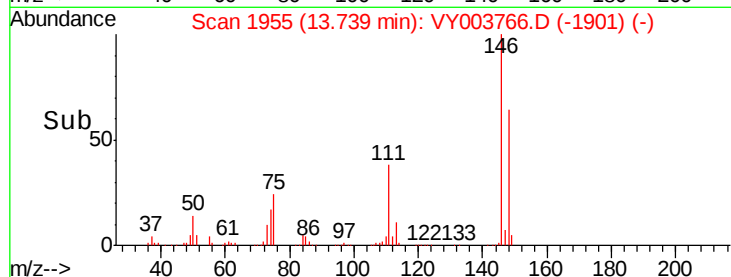
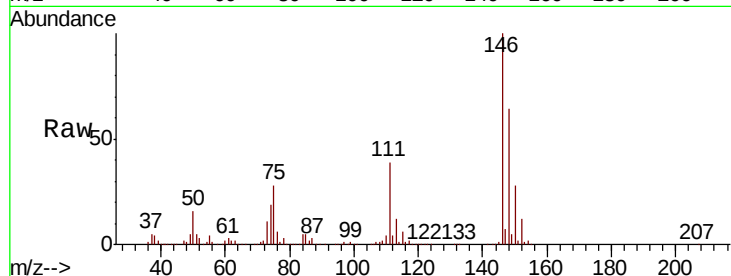




#65
 1,2-Dichlorobenzene
 Concen: 25.751 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003766.D
 Acq: 14 Dec 2020 22:36

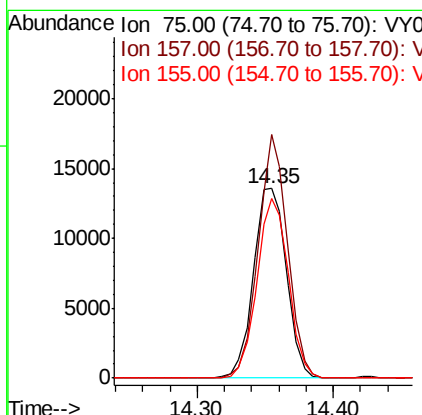
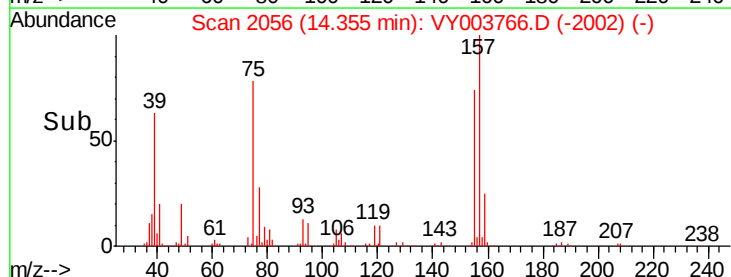
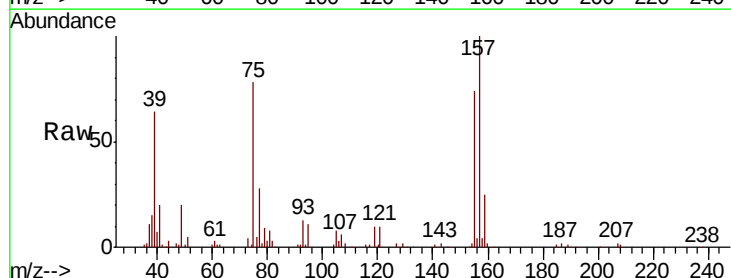
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02597

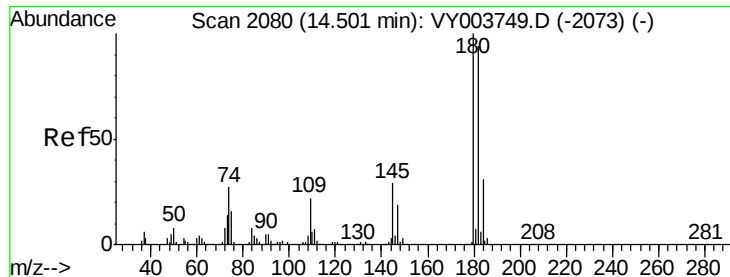
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	31.8	47.8
148	64.2	51.3	76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.165 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003766.D
 Acq: 14 Dec 2020 22:36

Tgt Ion	Ratio	Lower	Upper
75	100		
157	128.5	93.8	140.8
155	94.7	70.9	106.3

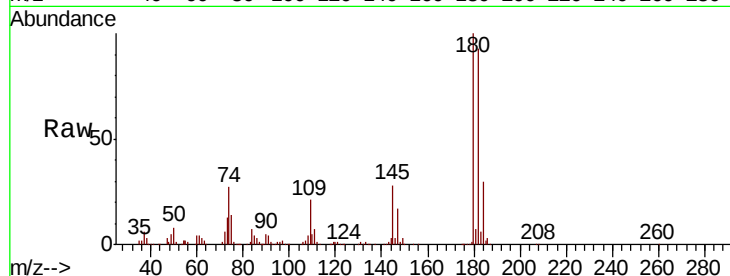




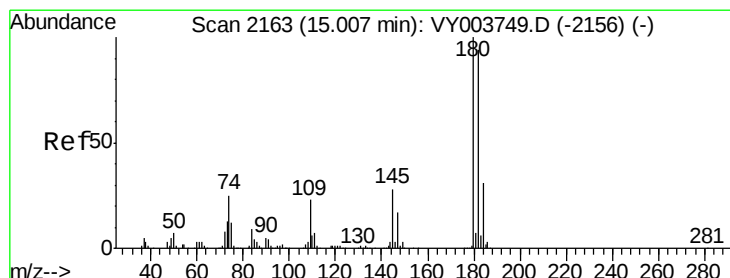
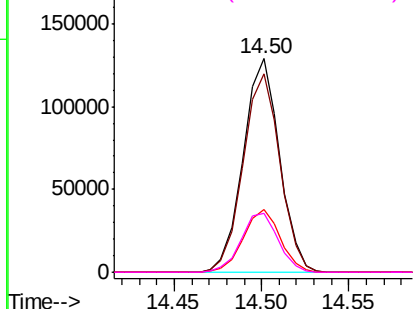
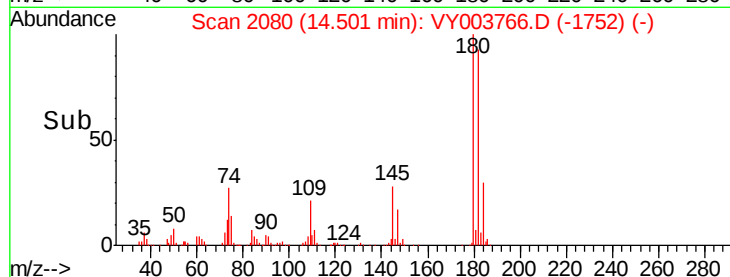
#67
 1,3,5-Trichlorobenzene
 Concen: 25.462 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003766.D
 Acq: 14 Dec 2020 22:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02597

Tot Ion:180	Resp:	186386
Ion Ratio	Lower	Upper
180	100	
182	94.1	75.7 113.5
184	29.7	24.2 36.4
145	28.5	22.9 34.3

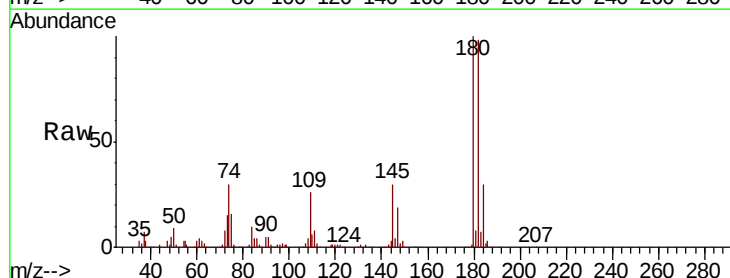


Abundance Ion 180.00 (179.70 to 180.70): V
 200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

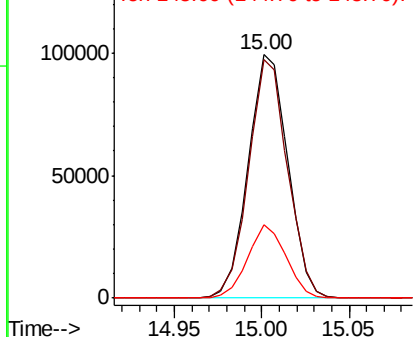
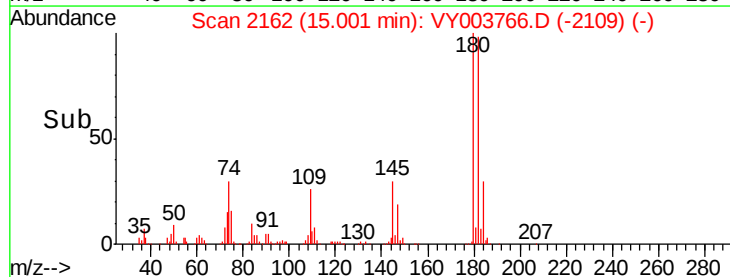


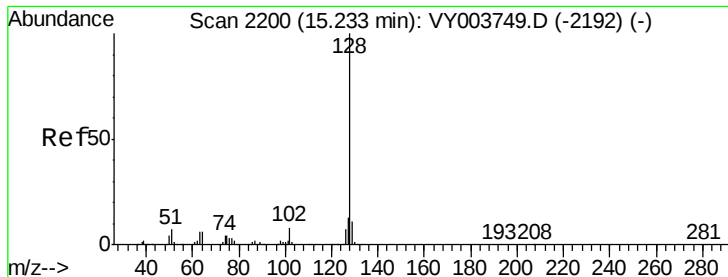
#68
 1,2,4-trichlorobenzene
 Concen: 25.055 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VY003766.D
 Acq: 14 Dec 2020 22:36

Tgt Ion:180	Resp:	156434
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.8 115.2
145	29.4	23.7 35.5



Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

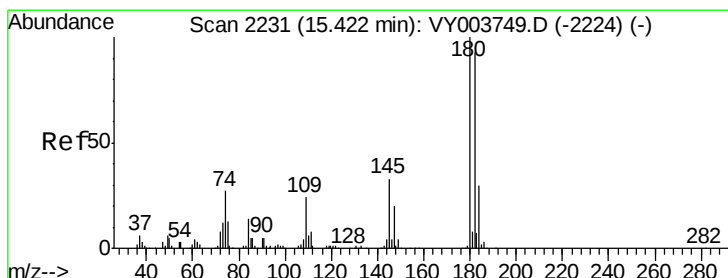
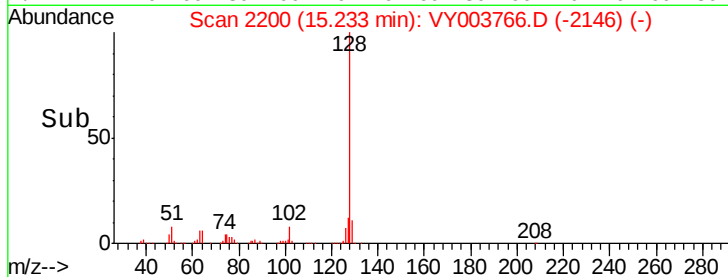
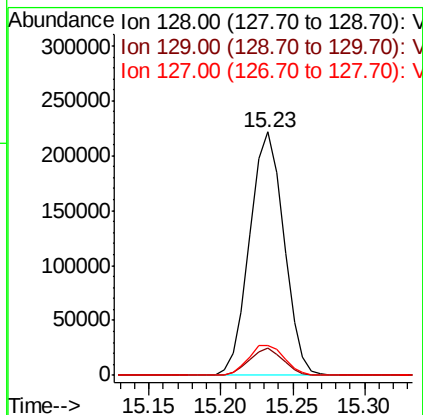
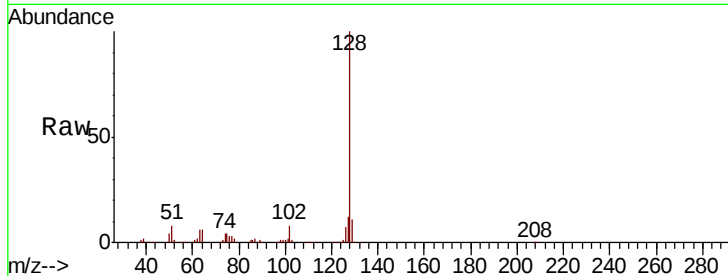




#69
Naphthalene
Concen: 25.597 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02597

Tot Ion:128 Resp: 364654
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.1 10.2 15.4



#70
1,2,3-Trichlorobenzene
Concen: 25.238 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VY003766.D
Acq: 14 Dec 2020 22:36

Tgt Ion:180 Resp: 143315
Ion Ratio Lower Upper
180 100
182 95.8 77.0 115.6
145 30.7 25.0 37.6

