

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120920\NOT REVIEWED DATA\
 Data File : VY003710.D
 Acq On : 09 Dec 2020 18:50
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

Quant Time: Dec 10 12:06:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 11:26:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	213748	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	208151	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	115273	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	68820	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.08%
7) Chloroethane-d5	2.77	69	55595	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.52%
10) 1,1-Dichloroethene-d2	3.87	63	133323	23.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.76%
20) 2-Butanone-d5	6.90	46	47759	44.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.64%
24) Chloroform-d	7.49	84	140555	25.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	8.15	65	79013	25.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.12%
29) Benzene-d6	8.12	84	299727	24.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.48%
33) 1,2-Dichloropropane-d6	9.12	67	88592	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.36%
37) Toluene-d8	10.18	98	277281	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.68%
38) trans-1,3-Dichloropropene-	10.44	79	43266	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.56%
39) 2-Hexanone-d5	10.79	63	41737	46.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.44%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	89286	28.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.40%
61) 1,2-Dichlorobenzene-d4	13.72	152	109975	26.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	61695	25.683	ug/L 100
3) Chloromethane	2.12	50	64788	24.852	ug/L 97
5) Vinyl chloride	2.26	62	70869	25.709	ug/L 99
6) Bromomethane	2.66	94	44536	24.987	ug/L 98
8) Chloroethane	2.80	64	45239	26.954	ug/L 99
9) Trichlorofluoromethane	3.14	101	111447	26.406	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	71308	26.283	ug/L 99
12) 1,1-Dichloroethene	3.89	96	68021	26.591	ug/L 88
13) Acetone	3.96	43	36273	45.919	ug/L 100
14) Carbon disulfide	4.21	76	216233	25.362	ug/L 99
15) Methyl Acetate	4.50	43	47810	24.054	ug/L 97
16) Methylene chloride	4.73	84	82792	22.059	ug/L 99
17) Methyl tert-butyl Ether	5.24	73	192768	26.585	ug/L 98
18) trans-1,2-Dichloroethene	5.23	96	75913	26.357	ug/L 95
19) 1,1-Dichloroethane	6.03	63	123233	25.486	ug/L 98
21) 2-Butanone	7.00	43	63814	45.750	ug/L 94
22) cis-1,2-Dichloroethene	7.00	96	82408	26.848	ug/L 92

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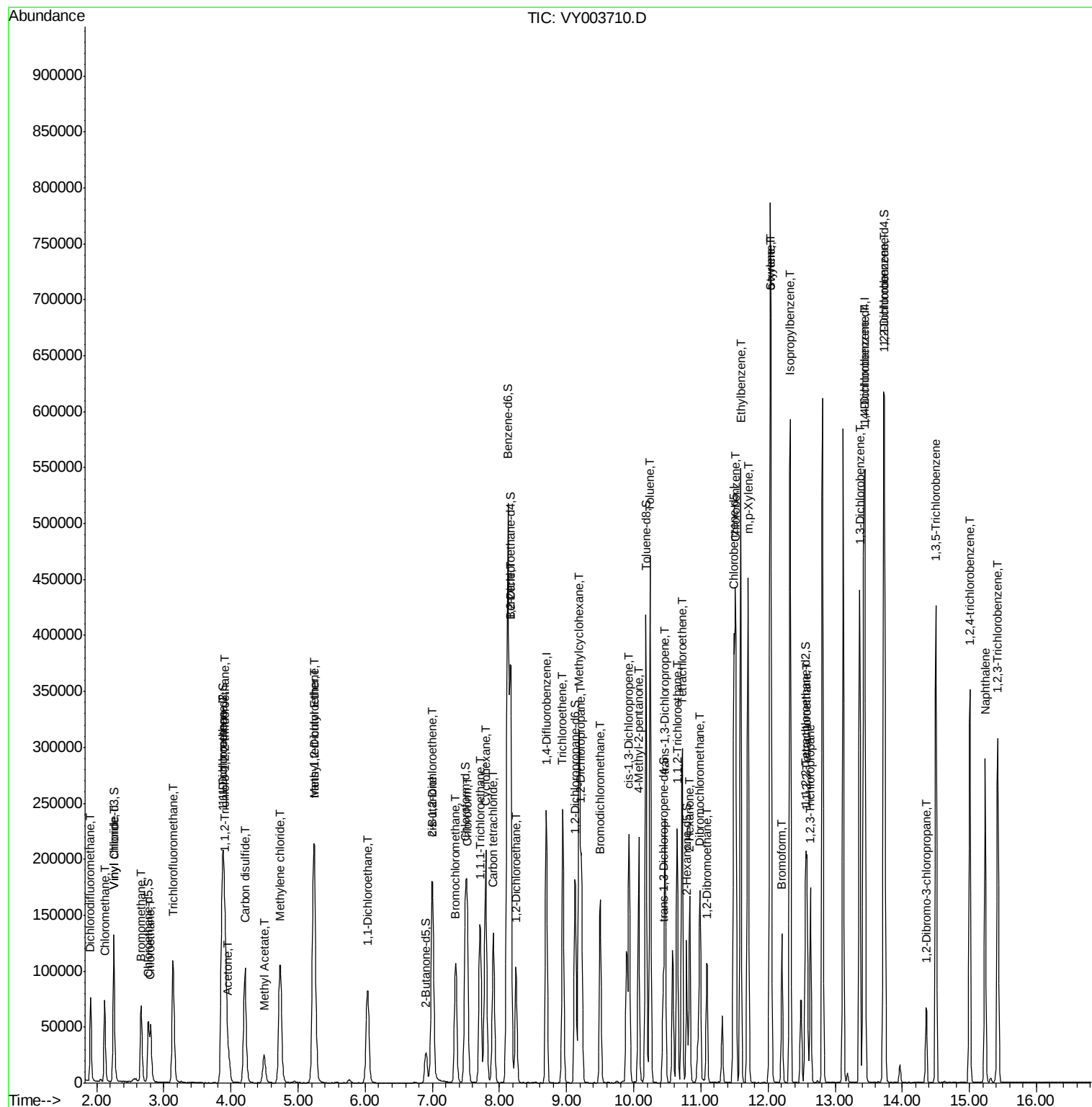
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	41948	27.376	ug/L	87
25) Chloroform	7.52	83	132609	27.092	ug/L	99
27) 1,2-Dichloroethane	8.25	62	89825	27.130	ug/L	96
30) Cyclohexane	7.79	56	111211	24.799	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	116576	26.274	ug/L	99
32) Carbon tetrachloride	7.91	117	105076	26.678	ug/L	99
34) Benzene	8.17	78	311731	26.180	ug/L	100
35) Trichloroethene	8.94	95	81090	24.805	ug/L	99
36) Methylcyclohexane	9.18	83	131347	26.217	ug/L	99
40) 1,2-Dichloropropane	9.22	63	75980	25.442	ug/L	100
41) Bromodichloromethane	9.50	83	101584	26.772	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	125354	26.667	ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	135725	48.384	ug/L	97
44) Toluene	10.25	91	341486	27.187	ug/L	99
45) trans-1,3-Dichloropropene	10.46	75	119249	27.523	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	69234	26.889	ug/L	97
47) Tetrachloroethene	10.72	164	68169	26.776	ug/L	96
49) 2-Hexanone	10.83	43	100389	50.922	ug/L	98
50) Dibromochloromethane	10.98	129	82864	27.500	ug/L	97
51) 1,2-Dibromoethane	11.09	107	66521	26.700	ug/L	99
52) Chlorobenzene	11.51	112	223910	27.088	ug/L	99
53) Ethylbenzene	11.59	91	373069	27.215	ug/L	98
54) m,p-Xylene	11.70	106	147594	27.910	ug/L	99
55) o-xylene	12.03	106	140500	27.693	ug/L	98
56) Styrene	12.04	104	245622	28.287	ug/L	98
57) Isopropylbenzene	12.33	105	369368	27.847	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	82198	29.777	ug/L	98
59) 1,2,3-Trichloropropane	12.64	75	68071	27.581	ug/L	98
62) Bromoform	12.21	173	57693	26.513	ug/L	100
63) 1,3-Dichlorobenzene	13.37	146	182819	26.669	ug/L	98
64) 1,4-Dichlorobenzene	13.45	146	184272	26.442	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	172406	27.413	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	14670	25.040	ug/L	98
67) 1,3,5-Trichlorobenzene	14.50	180	129825	26.788	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	109782	26.553	ug/L	100
69) Naphthalene	15.23	128	236576	27.282	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	102495	27.139	ug/L	99

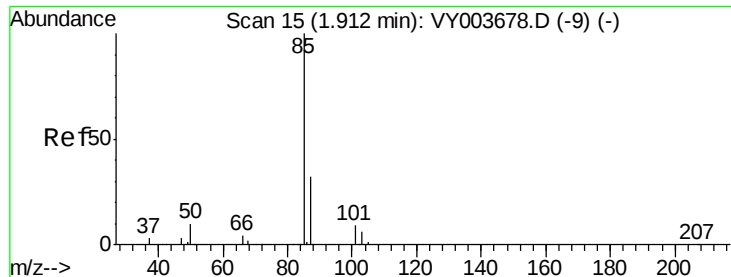
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.683 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

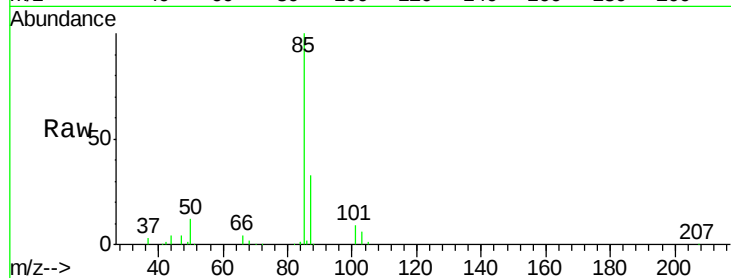
VSTD02591

Tgt Ion: 85 Resp: 61695

Ion Ratio Lower Upper

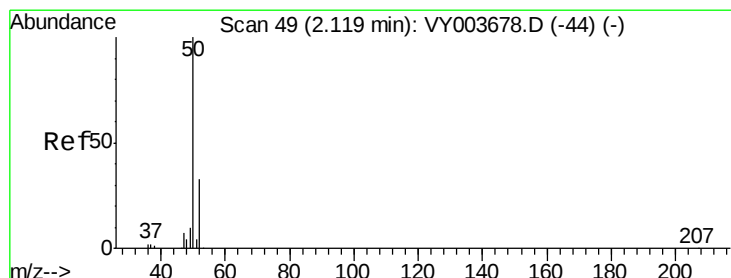
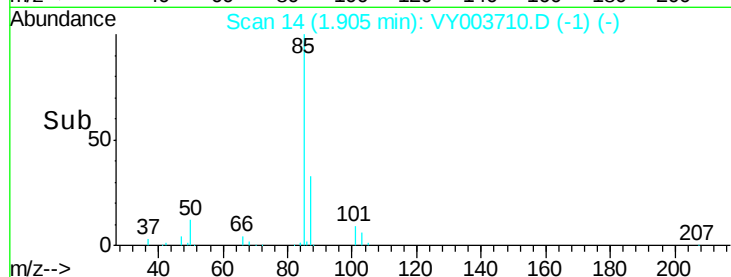
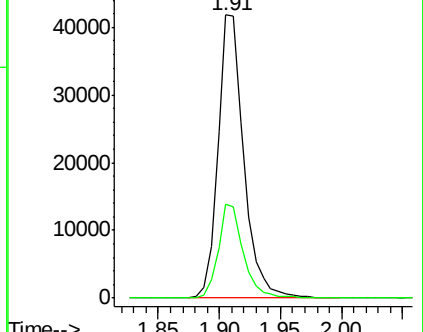
85 100

87 32.2 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VY003710.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VY003710.D (-1) (-)



#3

Chloromethane

Concen: 24.852 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003710.D

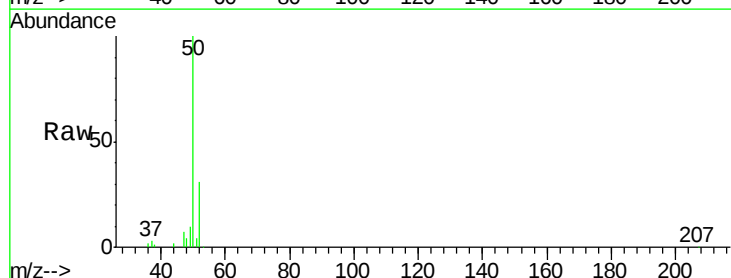
Acq: 09 Dec 2020 18:50

Tgt Ion: 50 Resp: 64788

Ion Ratio Lower Upper

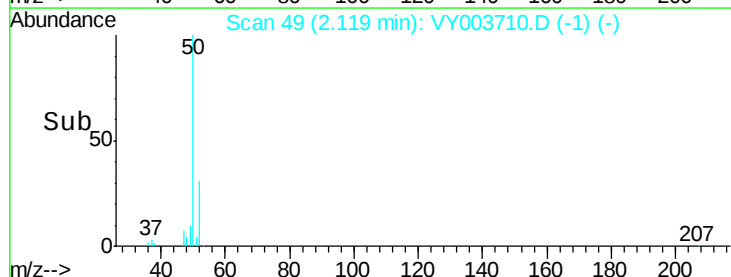
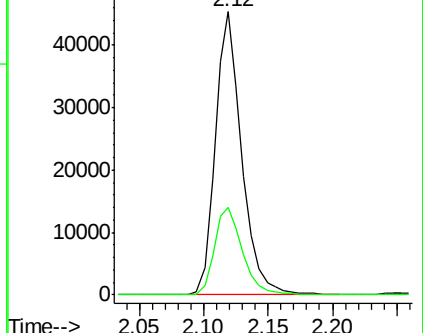
50 100

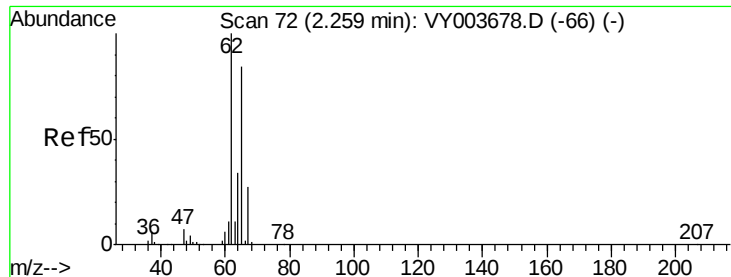
52 31.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY003710.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VY003710.D (-1) (-)





#5

Vinyl chloride

Concen: 25.709 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

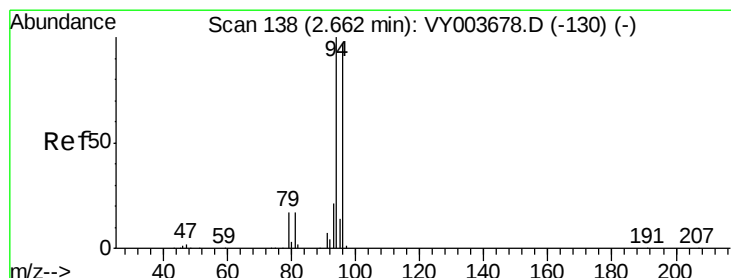
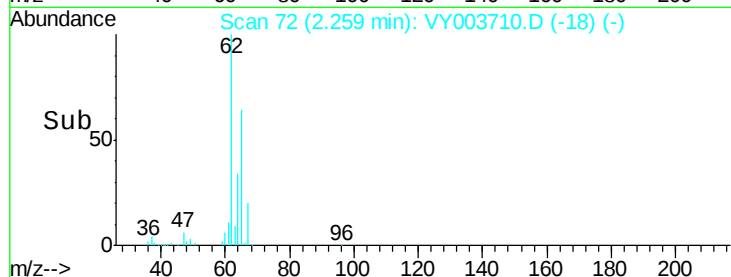
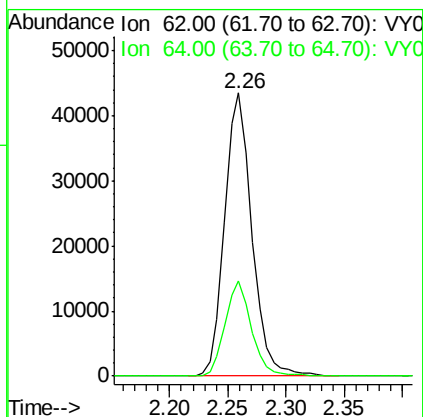
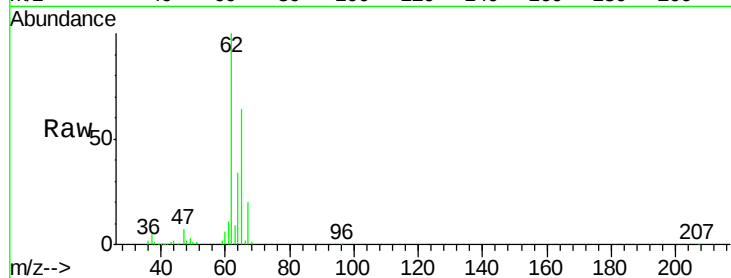
VSTD02591

Tgt Ion: 62 Resp: 70869

Ion Ratio Lower Upper

62 100

64 33.6 23.8 44.2



#6

Bromomethane

Concen: 24.987 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003710.D

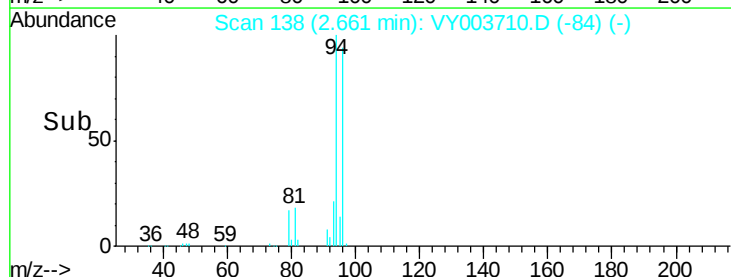
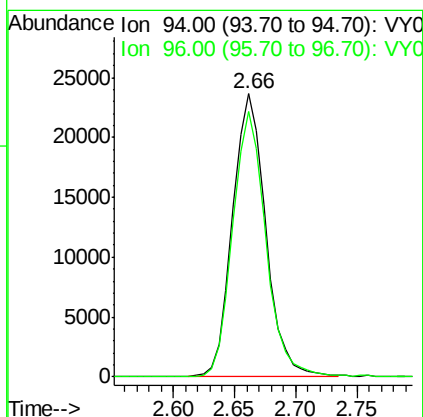
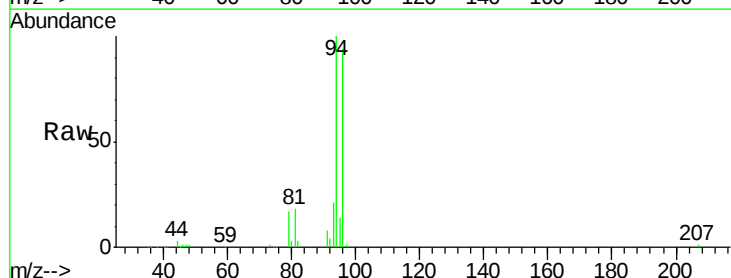
Acq: 09 Dec 2020 18:50

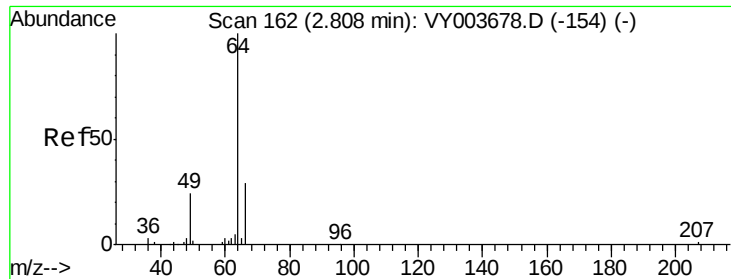
Tgt Ion: 94 Resp: 44536

Ion Ratio Lower Upper

94 100

96 93.3 9.2 174.6

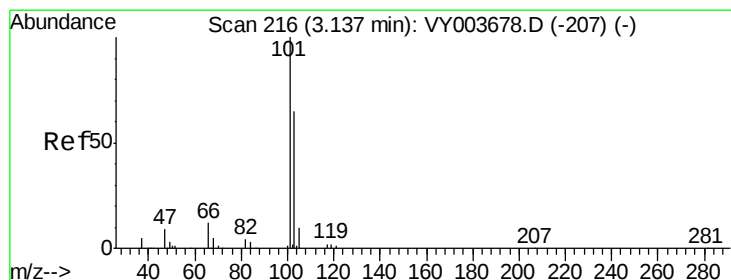
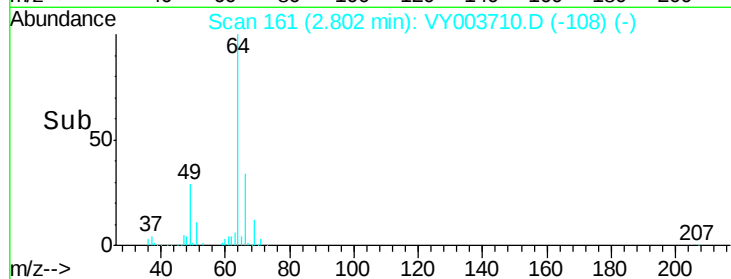
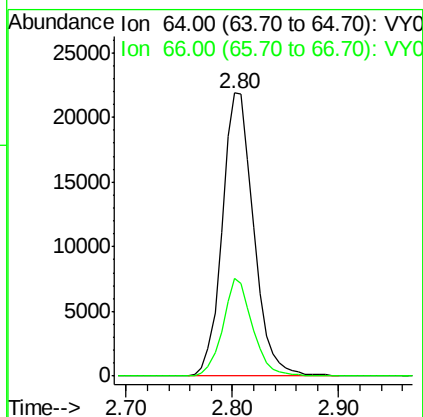
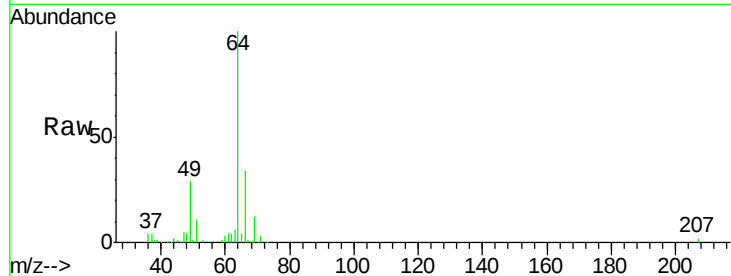




#8
Chloroethane
Concen: 26.954 ug/L
RT: 2.80 min Scan# 161
Delta R.T. -0.01 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

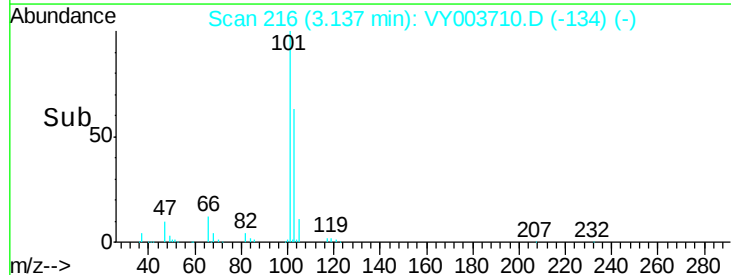
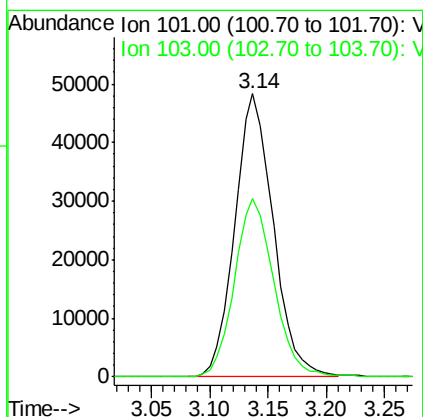
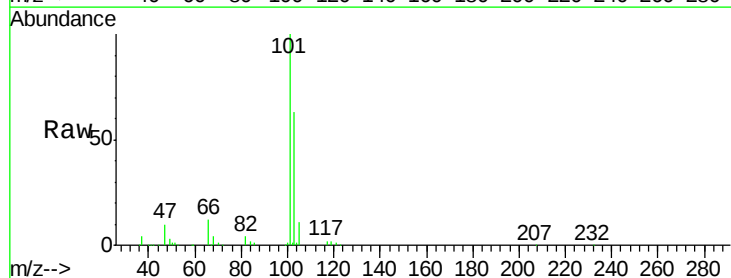
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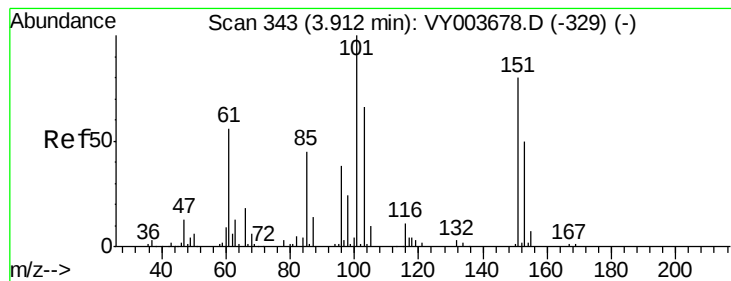
Tgt Ion: 64 Resp: 45239
Ion Ratio Lower Upper
64 100
66 34.4 23.8 44.2



#9
Trichlorofluoromethane
Concen: 26.406 ug/L
RT: 3.14 min Scan# 216
Delta R.T. 0.00 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

Tgt Ion: 101 Resp: 111447
Ion Ratio Lower Upper
101 100
103 64.8 45.1 83.7





#11

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

Concen: 26.283 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02591

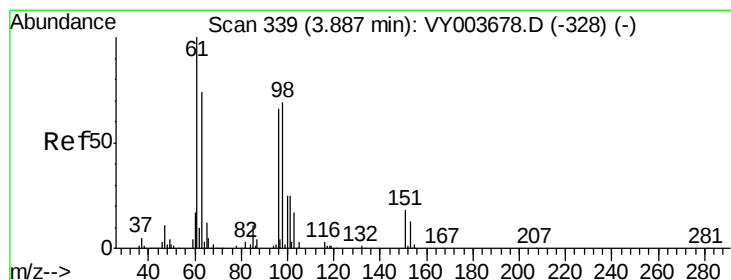
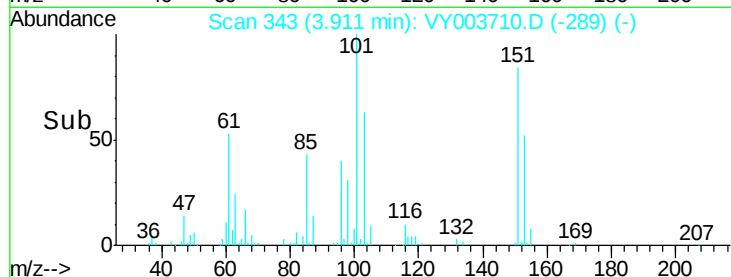
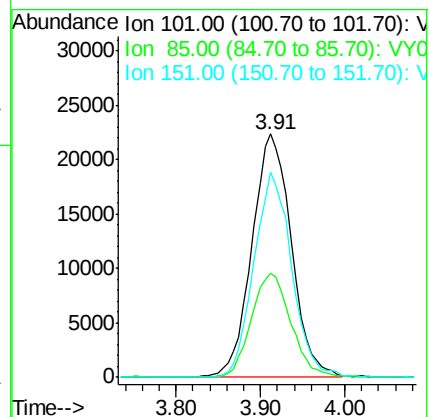
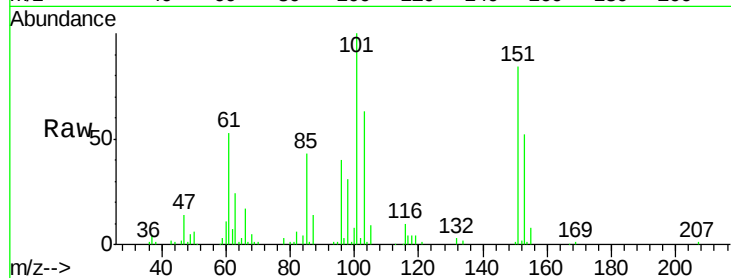
Tgt Ion: 101 Resp: 71308

Ion Ratio Lower Upper

101 100

85 42.7 33.9 50.9

151 80.1 65.0 97.4



#12

1,1-Dichloroethene

Concen: 26.591 ug/L

RT: 3.89 min Scan# 339

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

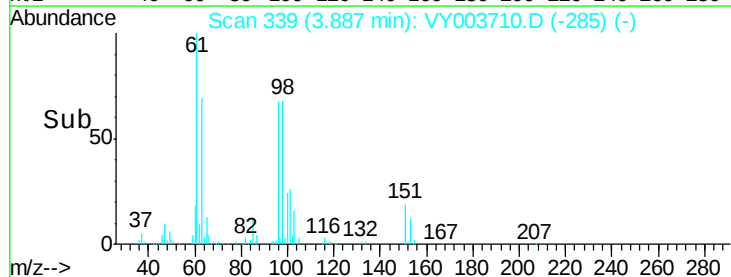
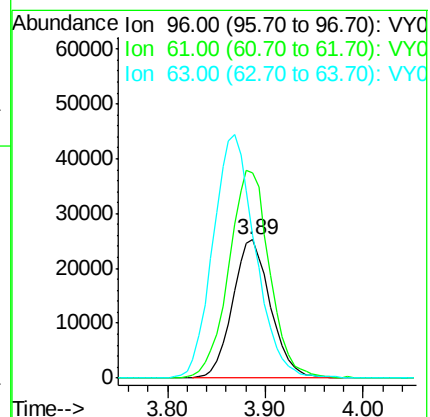
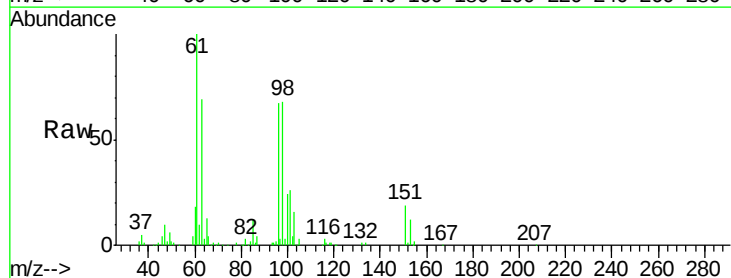
Tgt Ion: 96 Resp: 68021

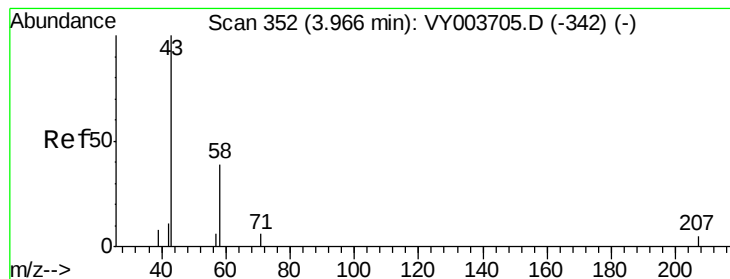
Ion Ratio Lower Upper

96 100

61 148.7 108.5 201.5

63 102.5 87.8 163.0





#13

Acetone

Concen: 45.919 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

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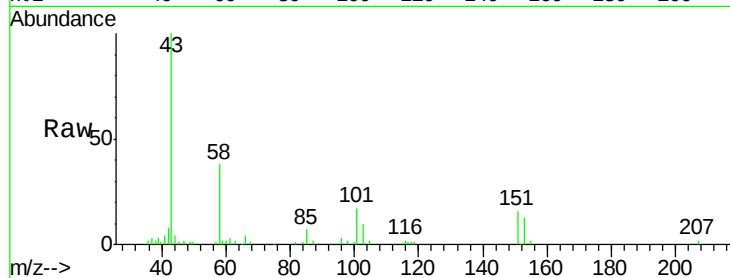
VSTD02591

Tgt Ion: 43 Resp: 36273

Ion Ratio Lower Upper

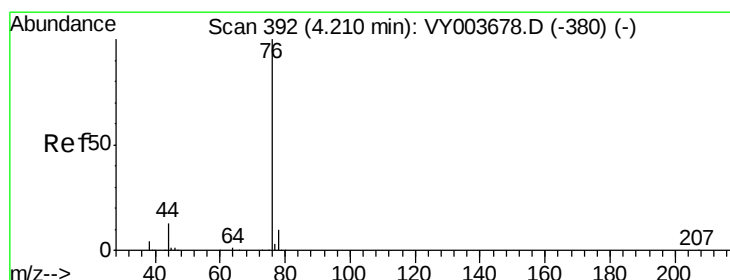
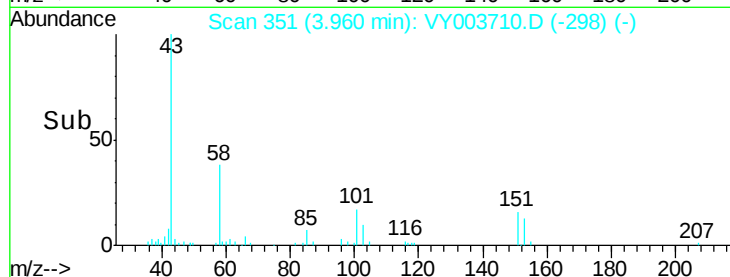
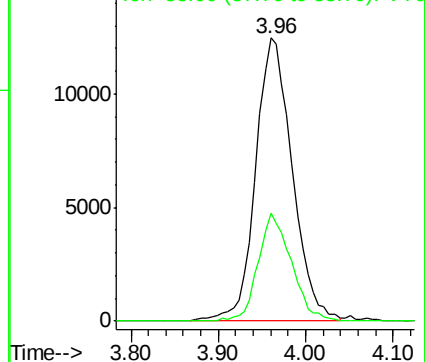
43 100

58 34.4 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 25.362 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003710.D

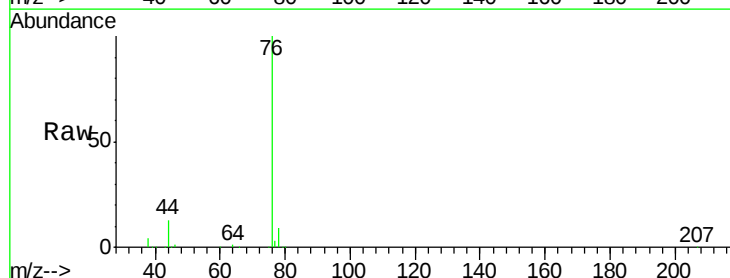
Acq: 09 Dec 2020 18:50

Tgt Ion: 76 Resp: 216233

Ion Ratio Lower Upper

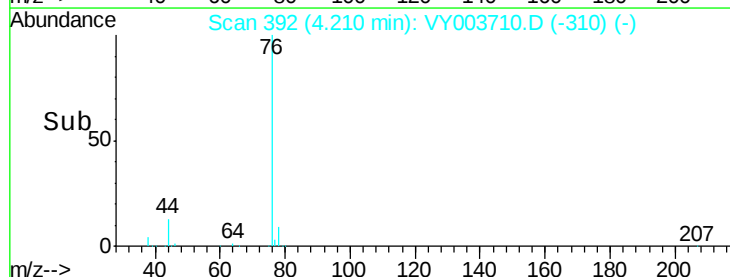
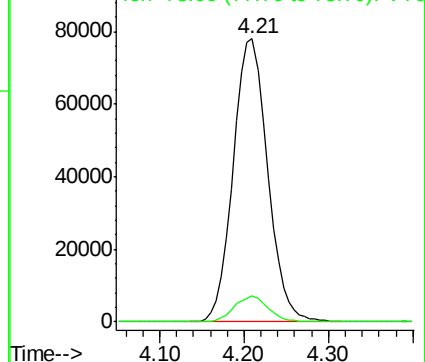
76 100

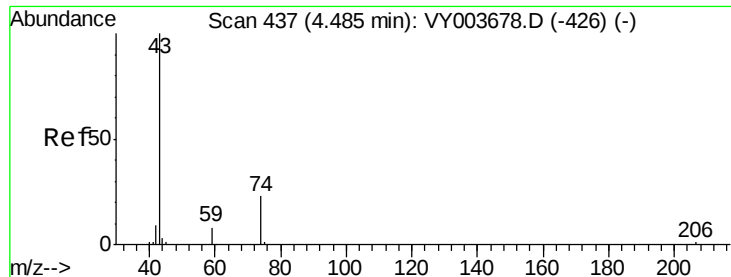
78 9.3 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

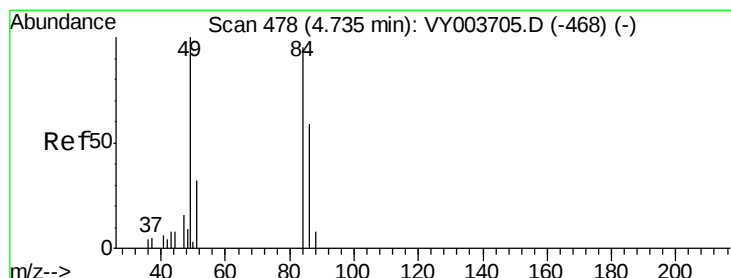
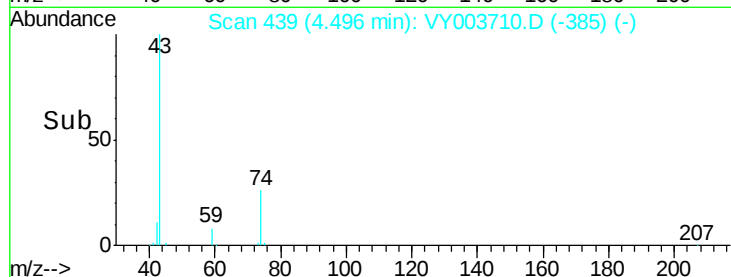
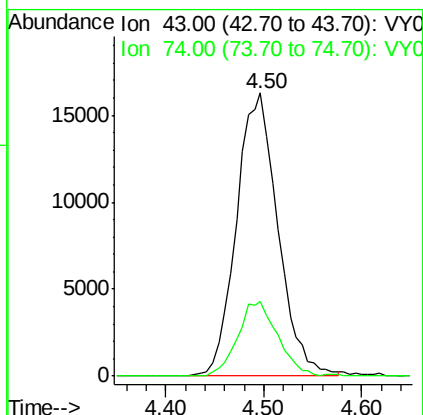
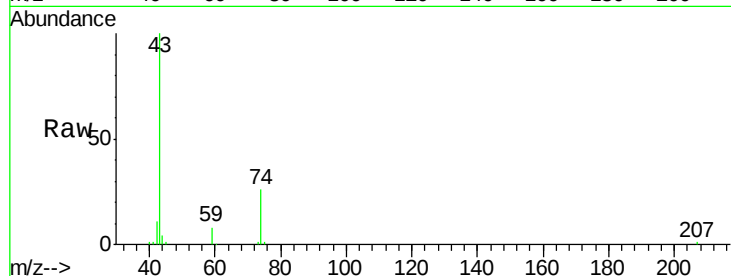




#15
Methyl Acetate
Concen: 24.054 ug/L
RT: 4.50 min Scan# 439
Delta R.T. 0.00 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

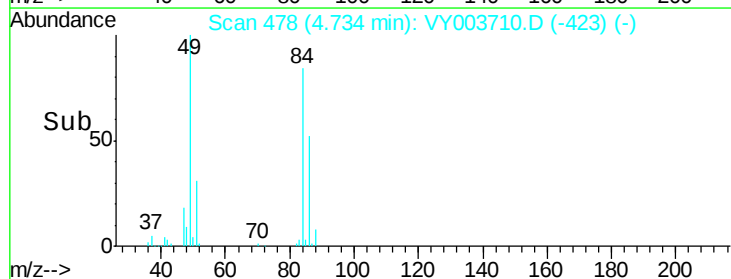
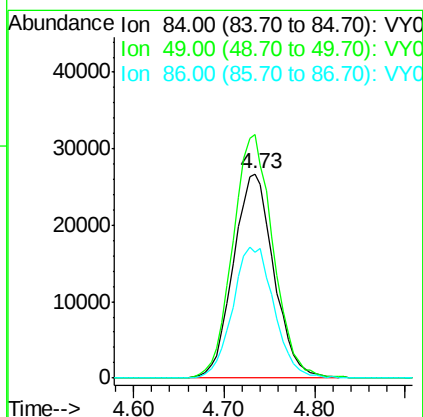
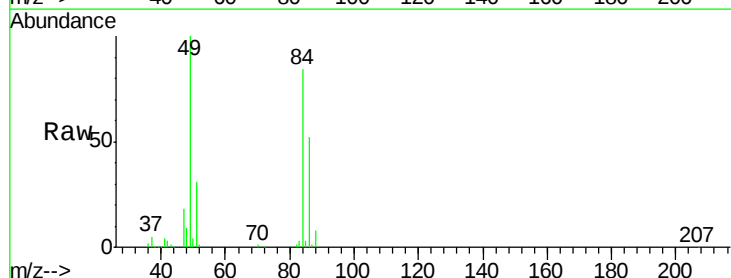
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02591

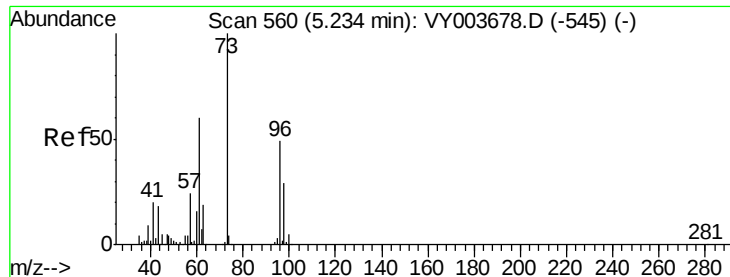
Tgt Ion: 43 Resp: 47810
Ion Ratio Lower Upper
43 100
74 25.3 19.2 28.8



#16
Methylene chloride
Concen: 22.059 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

Tgt Ion: 84 Resp: 82792
Ion Ratio Lower Upper
84 100
49 119.4 83.7 155.4
86 61.9 45.0 83.6

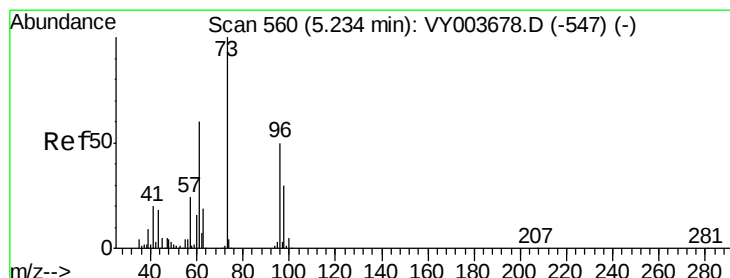
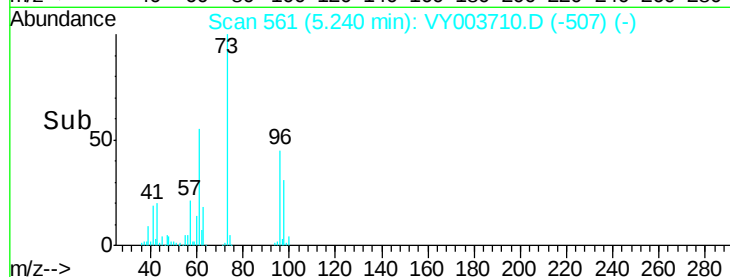
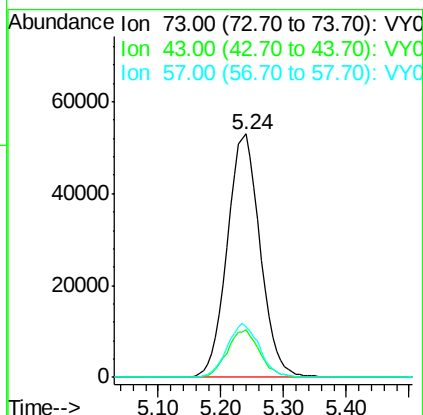
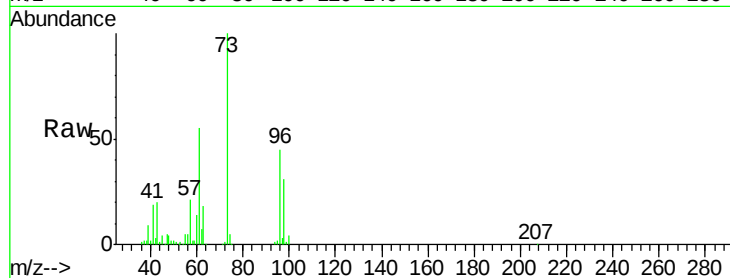




#17
Methyl tert-butyl Ether
Concen: 26.585 ug/L
RT: 5.24 min Scan# 561
Delta R.T. 0.00 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

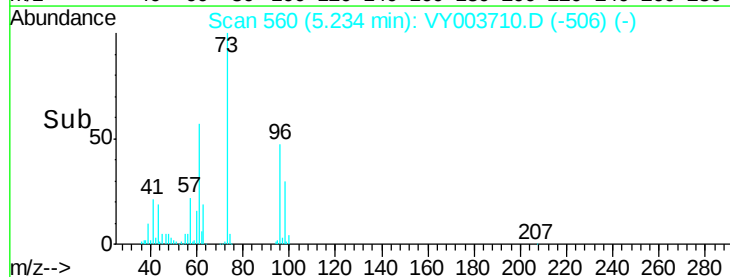
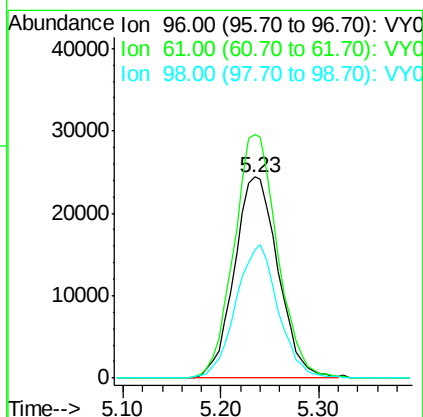
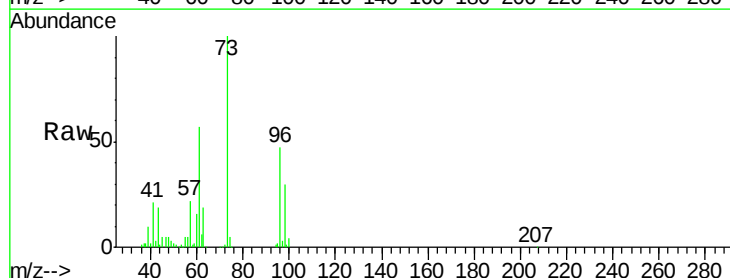
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02591

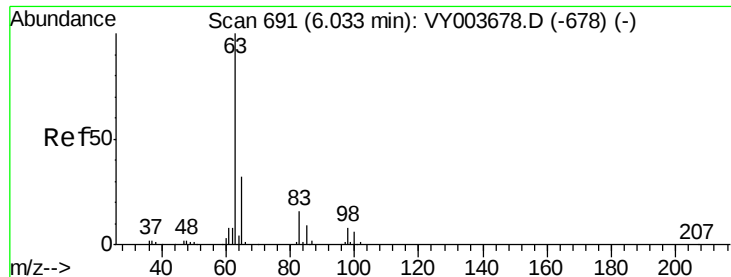
Tgt Ion: 73 Resp: 192768
Ion Ratio Lower Upper
73 100
43 19.2 14.9 22.3
57 21.6 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 26.357 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

Tgt Ion: 96 Resp: 75913
Ion Ratio Lower Upper
96 100
61 121.2 90.8 168.6
98 63.6 44.2 82.0

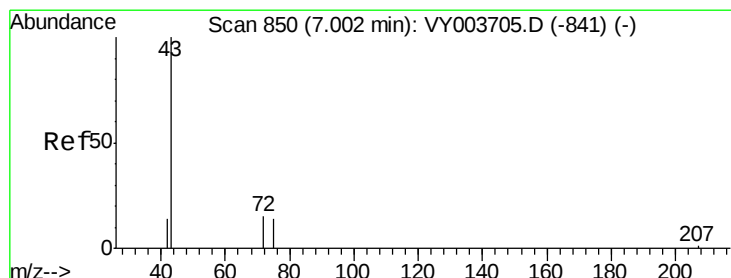
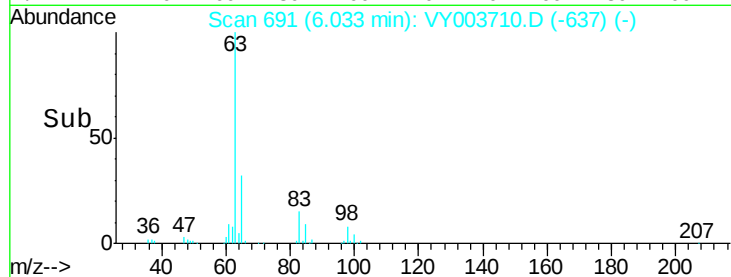
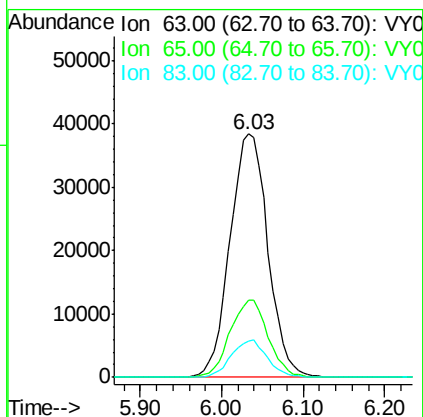
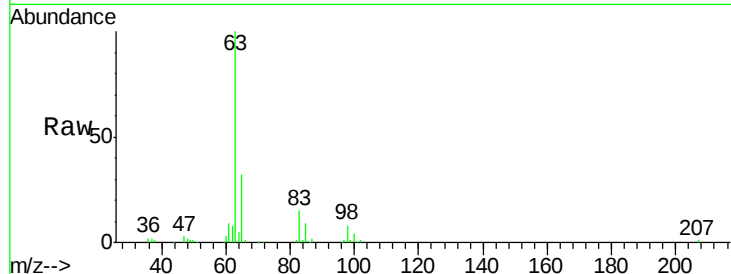




#19
 1,1-Dichloroethane
 Concen: 25.486 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

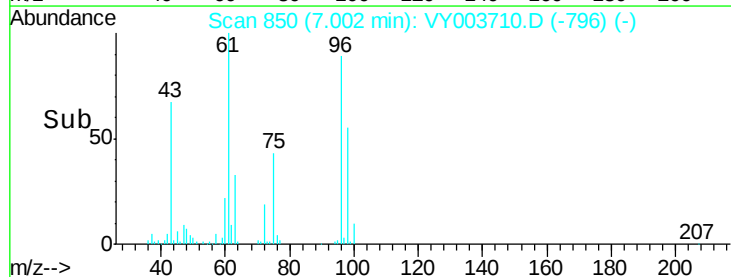
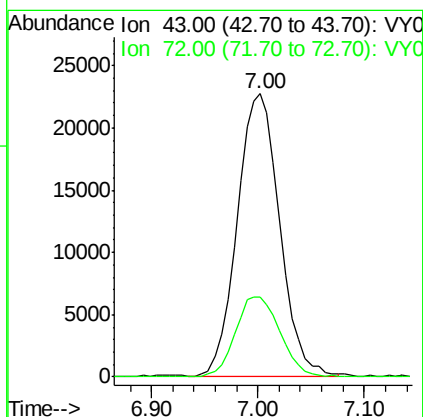
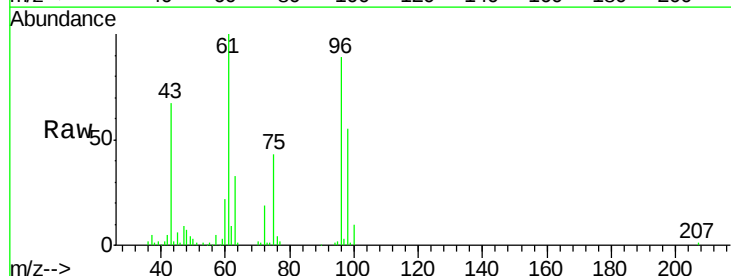
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

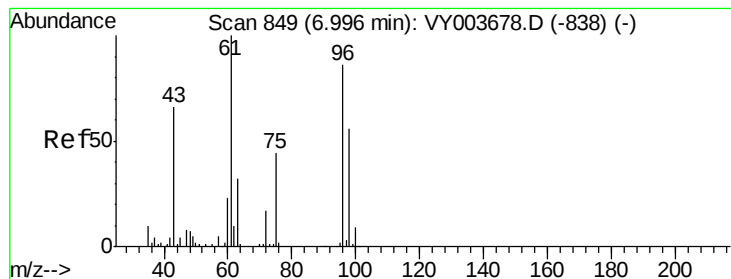
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.7	42.1
83	14.8	9.7	17.9



#21
 2-Butanone
 Concen: 45.750 ug/L
 RT: 7.00 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.6	13.3	39.9



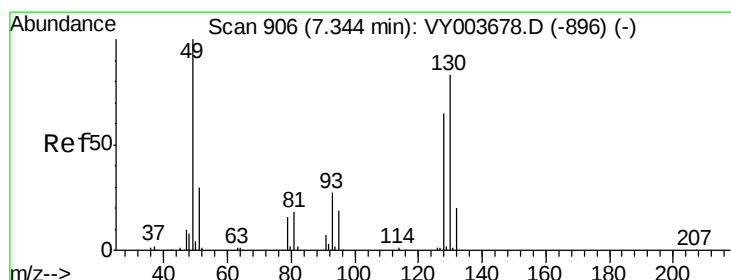
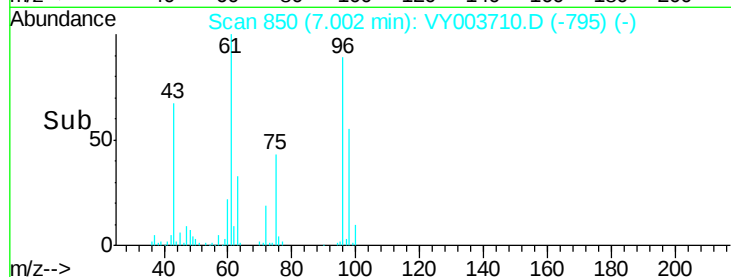
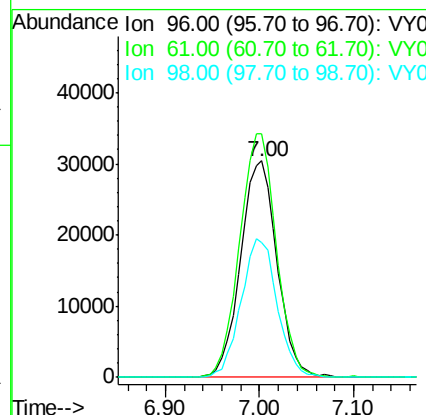
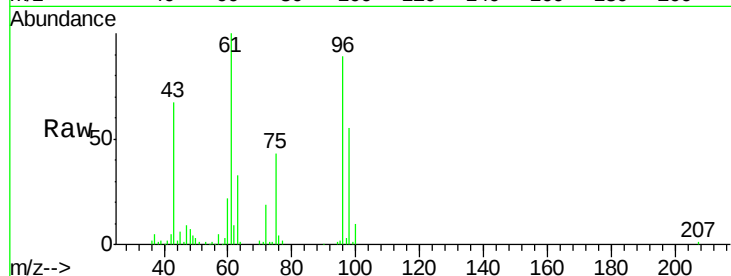


#22

cis-1,2-Dichloroethene
Concen: 26.848 ug/L
RT: 7.00 min Scan# 850
Delta R.T. 0.01 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02591

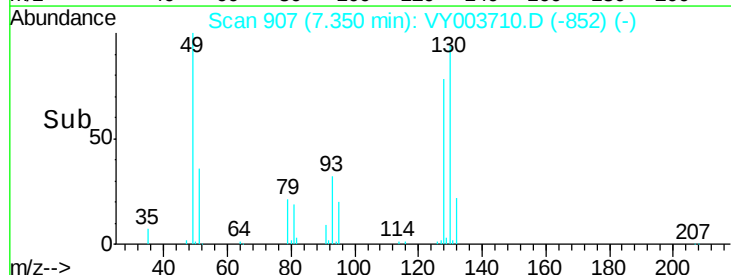
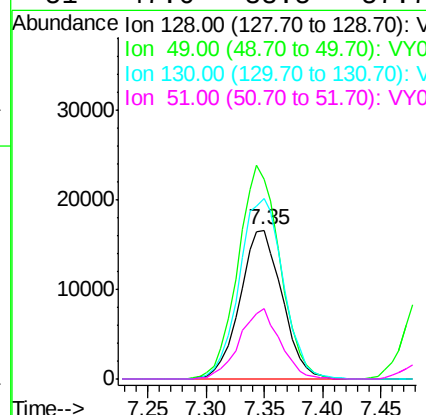
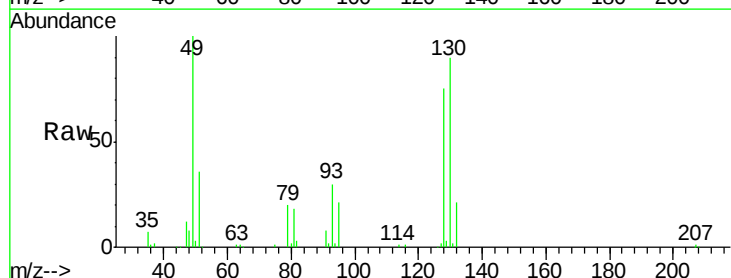
Tgt Ion: 96 Resp: 82408
Ion Ratio Lower Upper
96 100
61 112.5 85.8 159.4
98 62.1 46.5 86.3

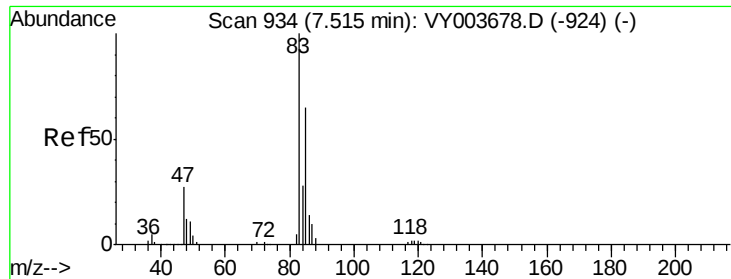


#23

Bromochloromethane
Concen: 27.376 ug/L
RT: 7.35 min Scan# 907
Delta R.T. 0.01 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

Tgt Ion: 128 Resp: 41948
Ion Ratio Lower Upper
128 100
49 134.0 113.8 211.3
130 120.9 89.7 166.5
51 47.6 38.5 57.7





#25

Chloroform

Concen: 27.092 ug/L

RT: 7.52 min Scan# 935

Delta R.T. 0.01 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

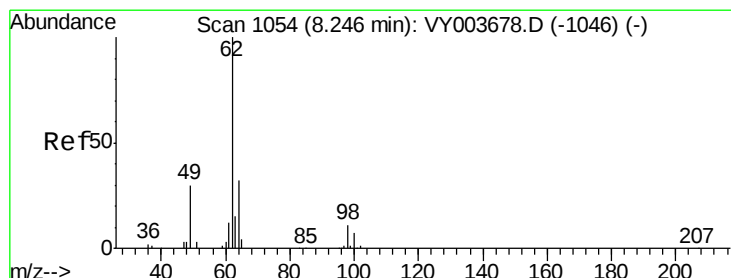
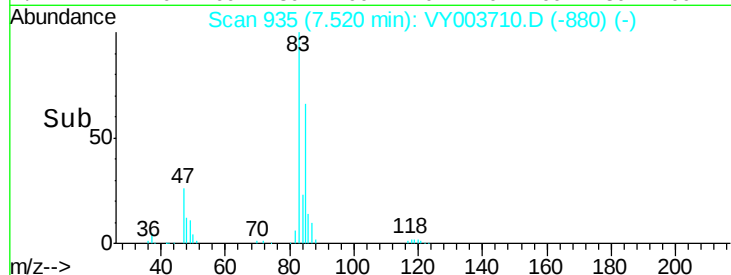
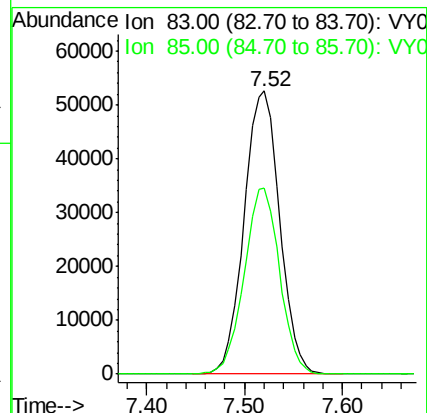
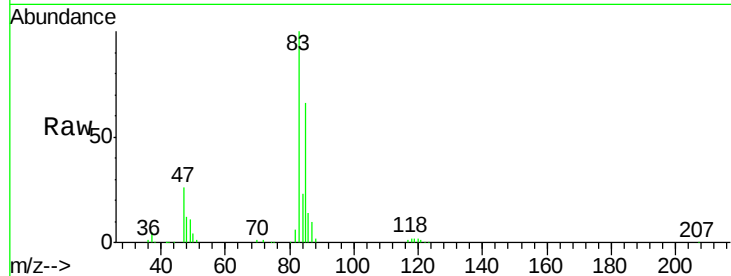
VSTD02591

Tgt Ion: 83 Resp: 132609

Ion Ratio Lower Upper

83 100

85 65.7 46.5 86.5



#27

1,2-Dichloroethane

Concen: 27.130 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY003710.D

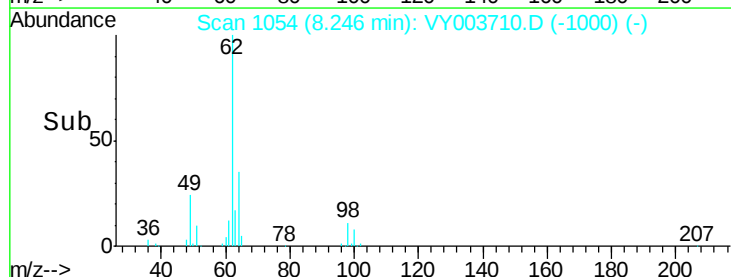
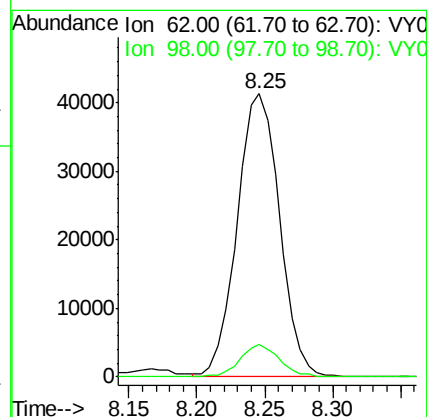
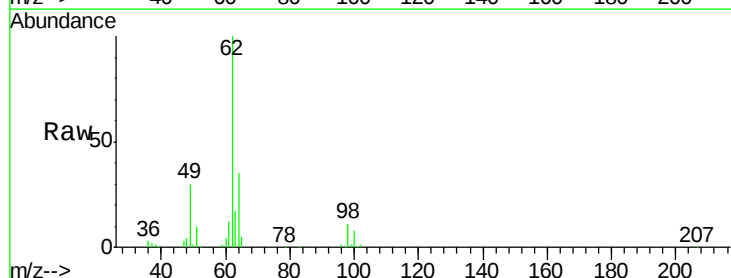
Acq: 09 Dec 2020 18:50

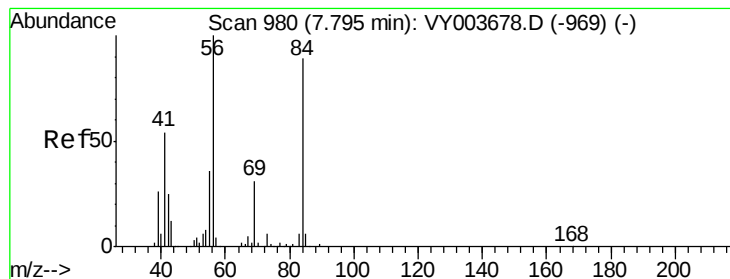
Tgt Ion: 62 Resp: 89825

Ion Ratio Lower Upper

62 100

98 11.3 8.0 12.0





#30

Cyclohexane

Concen: 24.799 ug/L

RT: 7.79 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02591

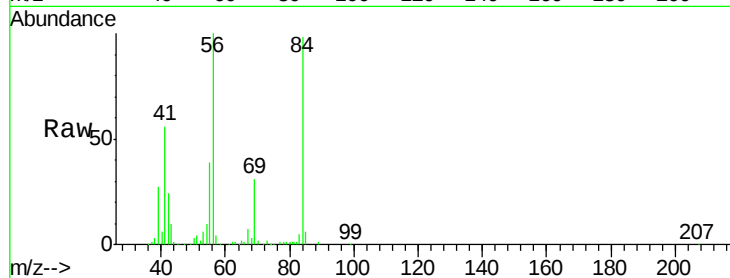
Tgt Ion: 56 Resp: 111211

Ion Ratio Lower Upper

56 100

69 30.6 23.8 35.8

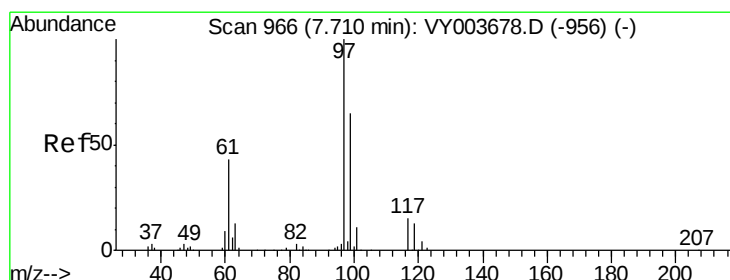
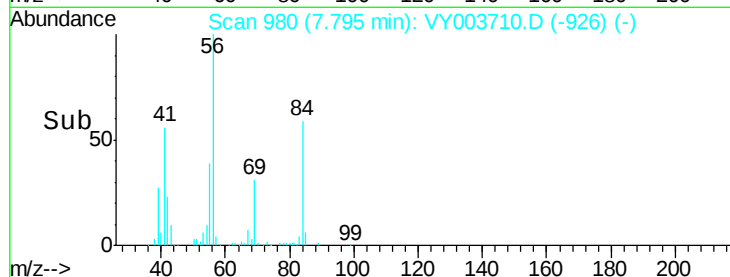
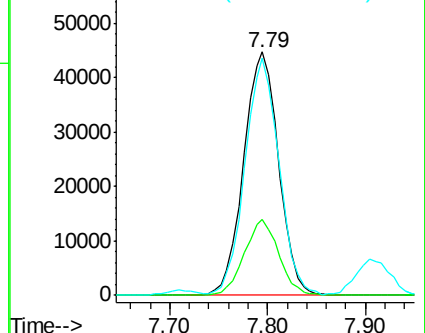
84 95.1 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VY003710.D (-926) (-)

Ion 69.00 (68.70 to 69.70): VY003710.D (-926) (-)

Ion 84.00 (83.70 to 84.70): VY003710.D (-926) (-)



#31

1,1,1-Trichloroethane

Concen: 26.274 ug/L

RT: 7.71 min Scan# 966

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

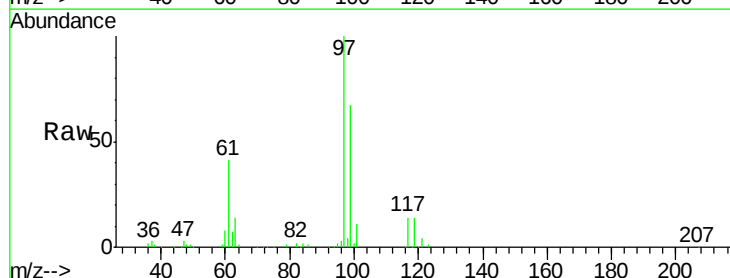
Tgt Ion: 97 Resp: 116576

Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.0

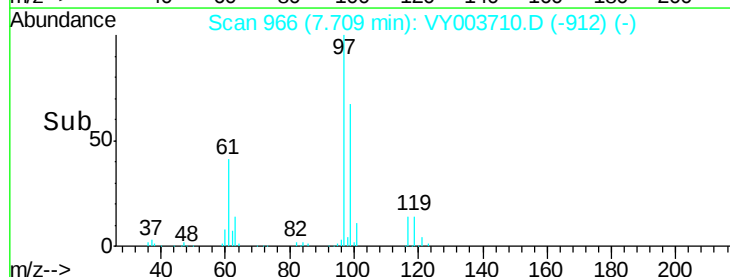
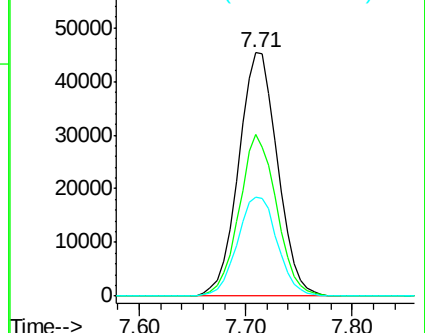
61 41.8 34.0 51.0

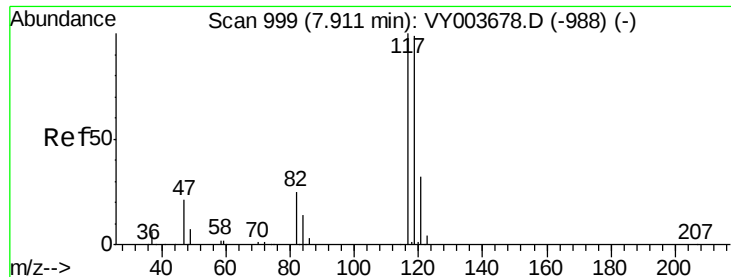


Abundance Ion 97.00 (96.70 to 97.70): VY003710.D (-912) (-)

Ion 99.00 (98.70 to 99.70): VY003710.D (-912) (-)

Ion 61.00 (60.70 to 61.70): VY003710.D (-912) (-)





#32

Carbon tetrachloride

Concen: 26.678 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

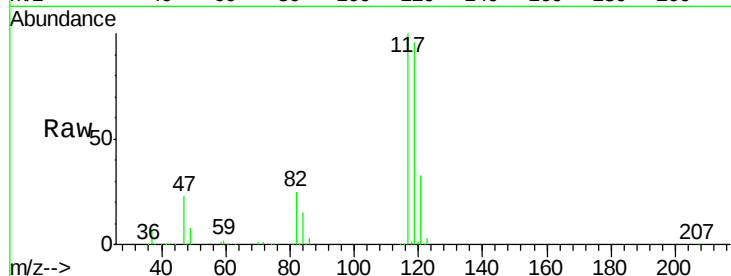
VSTD02591

Tgt Ion:117 Resp: 105076

Ion Ratio Lower Upper

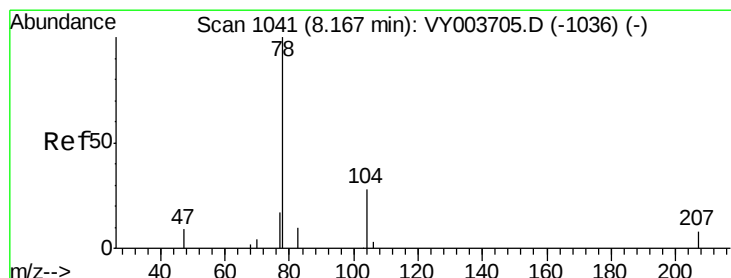
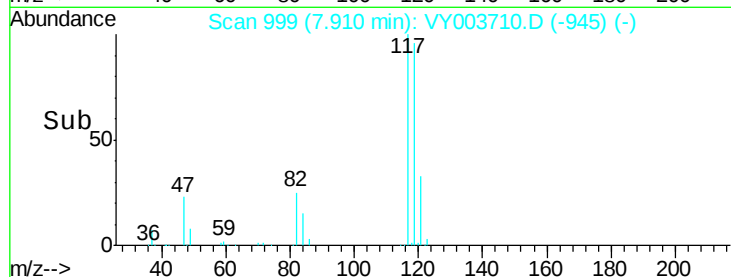
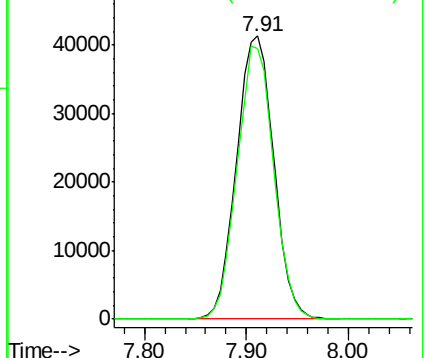
117 100

119 95.0 75.4 113.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.180 ug/L

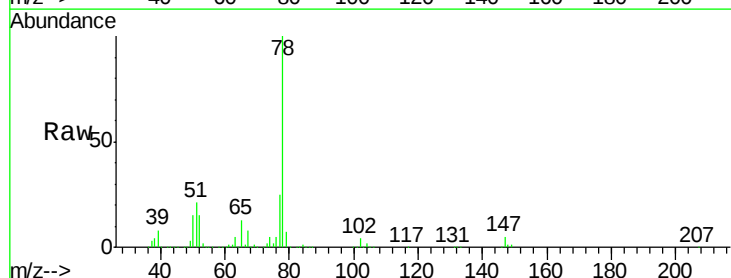
RT: 8.17 min Scan# 1041

Delta R.T. -0.01 min

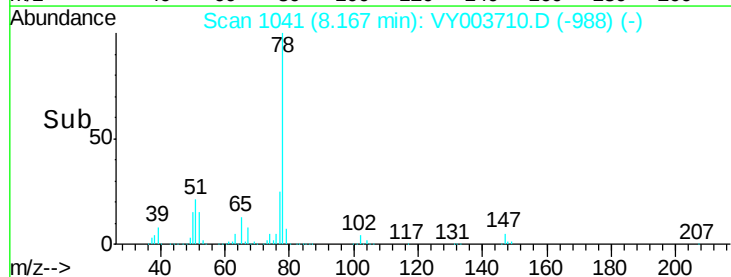
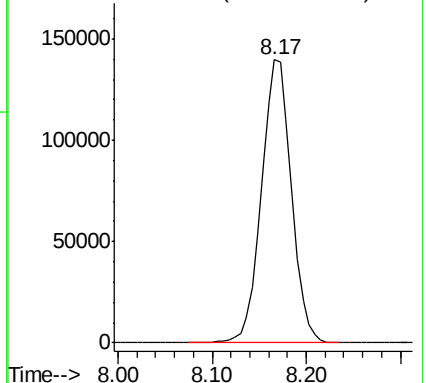
Lab File: VY003710.D

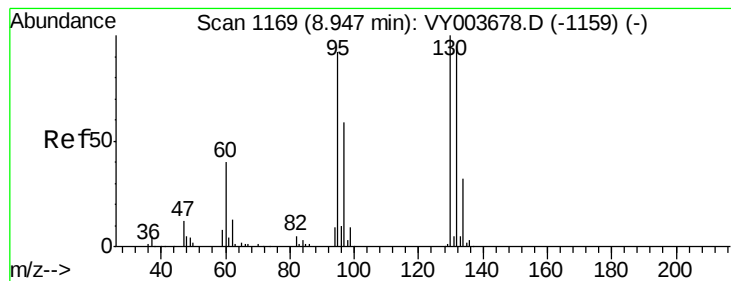
Acq: 09 Dec 2020 18:50

Tgt Ion: 78 Resp: 311731



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 24.805 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02591

Tgt Ion: 95 Resp: 81090

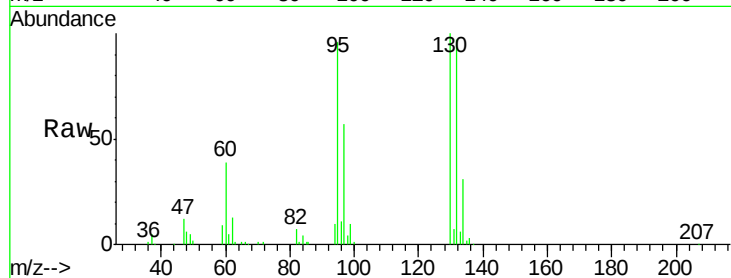
Ion Ratio Lower Upper

95 100

97 63.4 45.8 85.0

132 105.0 74.2 137.8

130 110.2 76.2 141.6

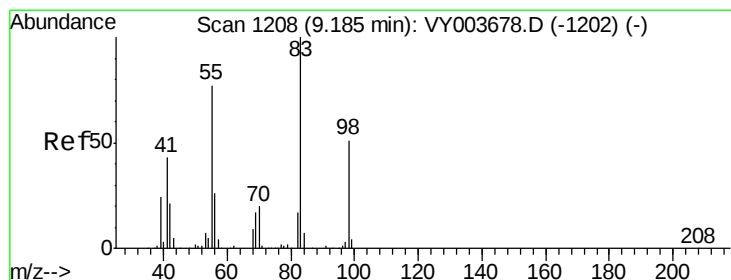
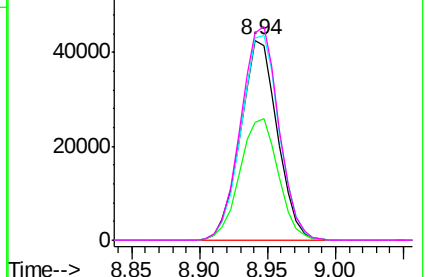
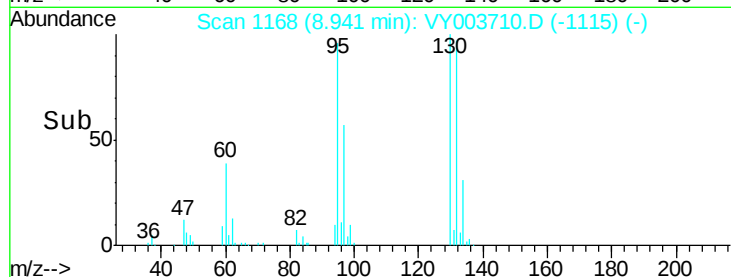


Abundance Ion 95.00 (94.70 to 95.70): VY0

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: 26.217 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

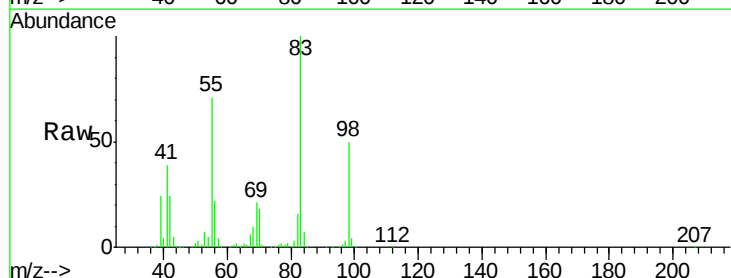
Tgt Ion: 83 Resp: 131347

Ion Ratio Lower Upper

83 100

55 70.6 56.4 84.6

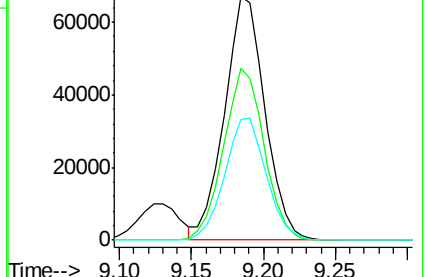
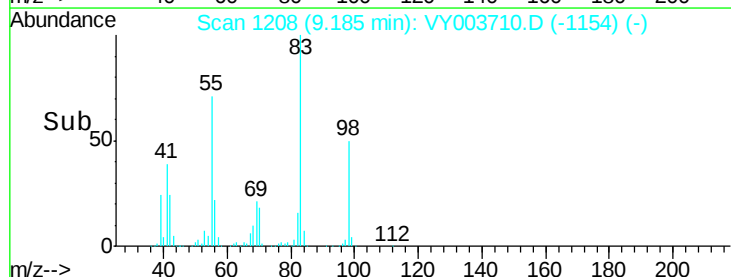
98 51.2 40.3 60.5

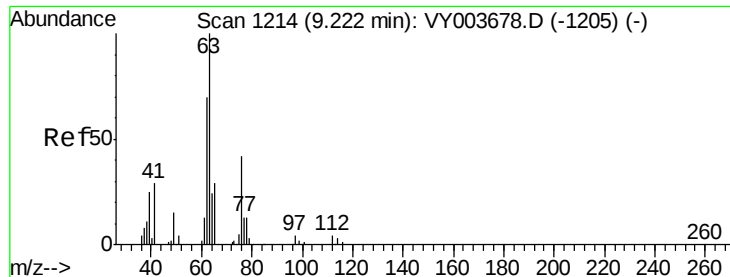


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

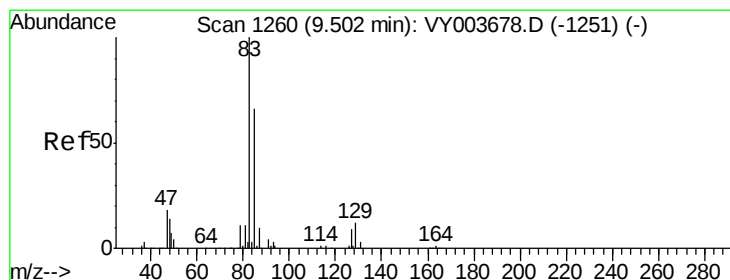
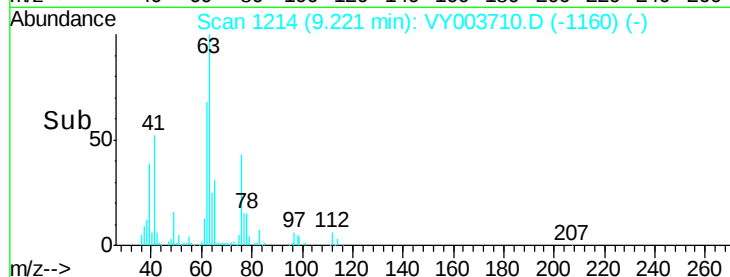
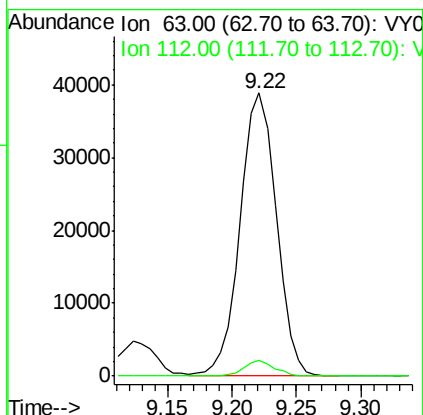
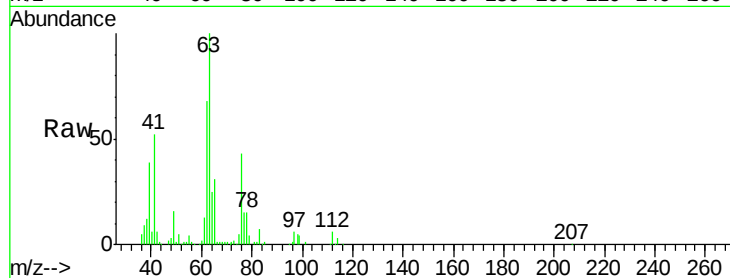




#40
 1,2-Dichloropropane
 Concen: 25.442 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

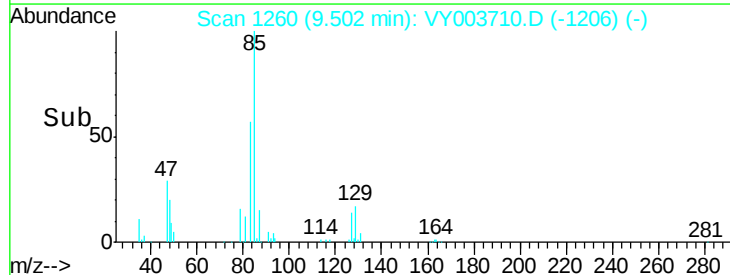
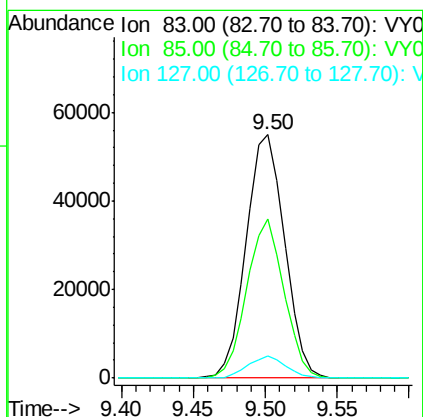
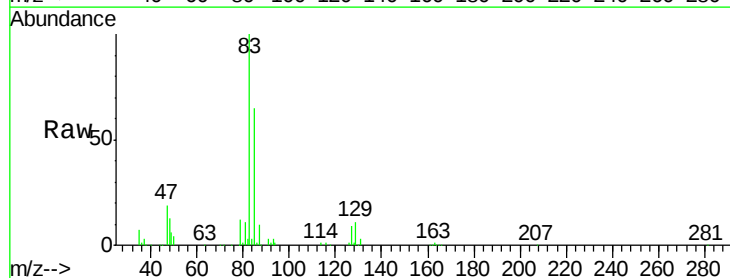
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

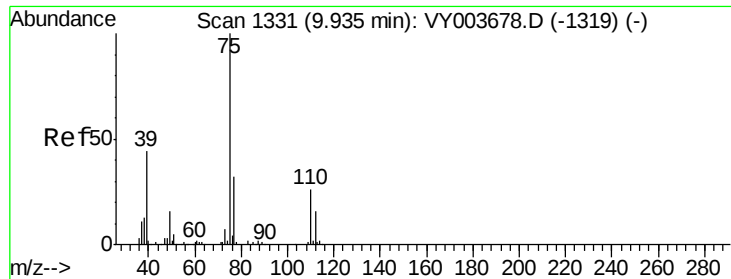
Tgt Ion: 63 Resp: 75980
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.7 5.5



#41
 Bromodichloromethane
 Concen: 26.772 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

Tgt Ion: 83 Resp: 101584
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.0 81.6
 127 9.0 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 26.667 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

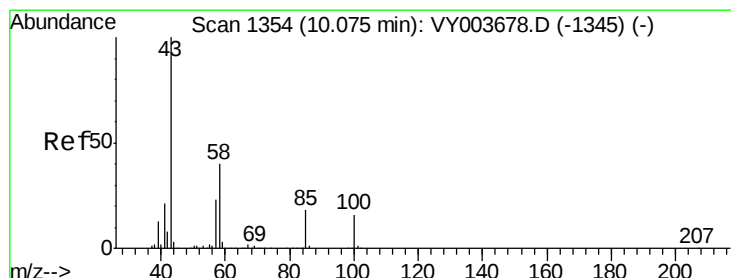
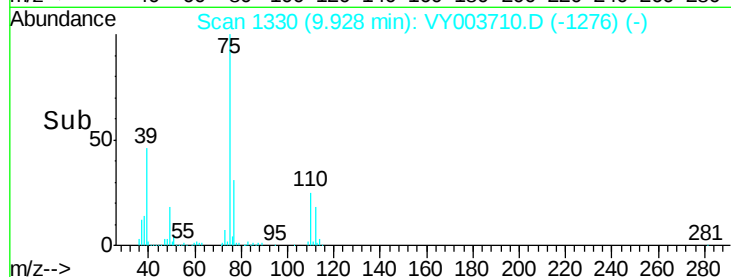
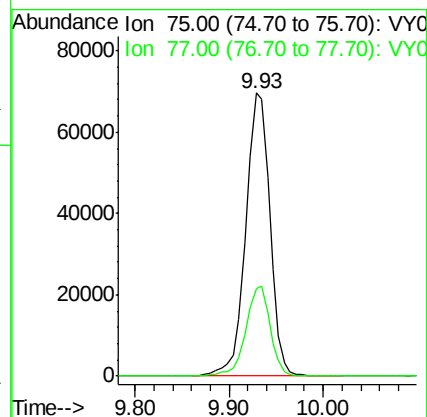
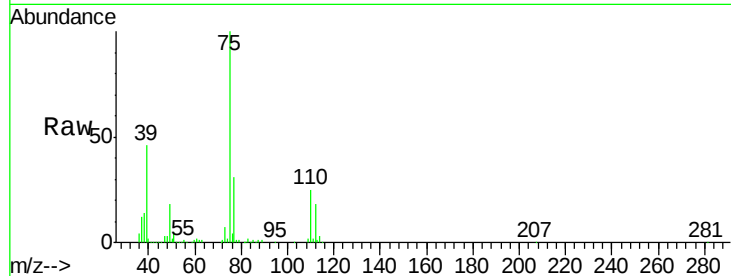
VSTD02591

Tgt Ion: 75 Resp: 125354

Ion Ratio Lower Upper

75 100

77 30.9 21.3 39.6



#43

4-Methyl-2-pentanone

Concen: 48.384 ug/L

RT: 10.07 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

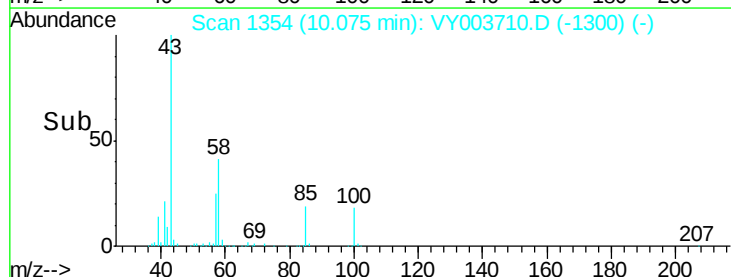
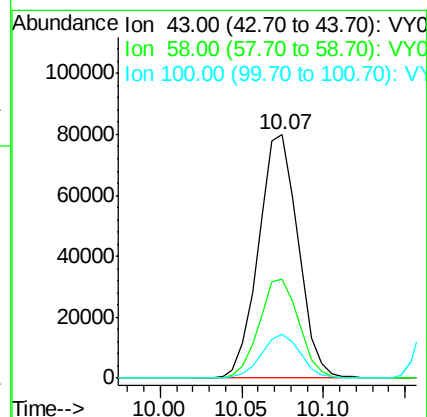
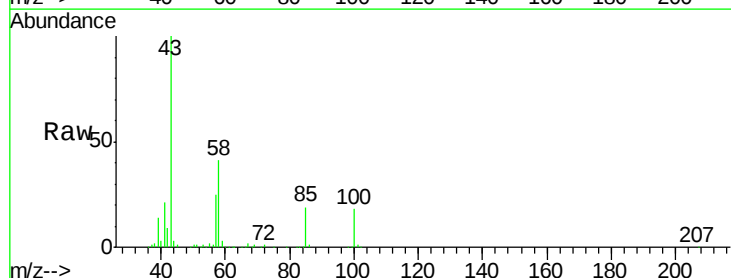
Tgt Ion: 43 Resp: 135725

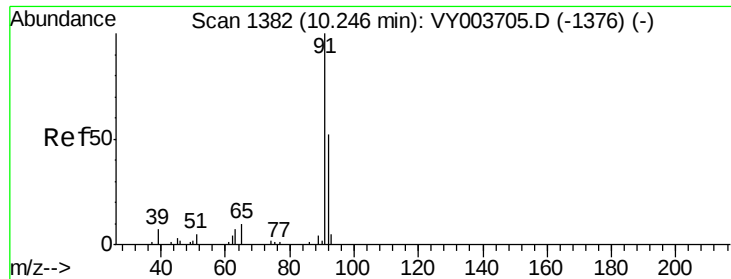
Ion Ratio Lower Upper

43 100

58 40.9 31.5 47.3

100 17.7 12.7 19.1





#44

Toluene

Concen: 27.187 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

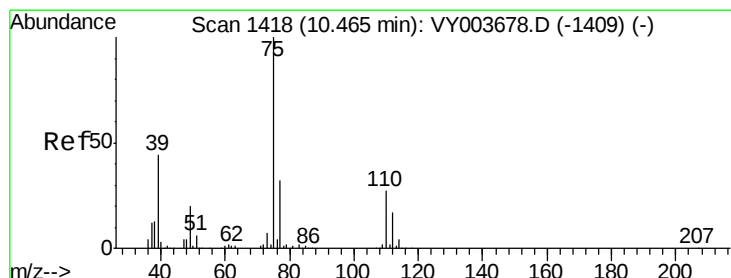
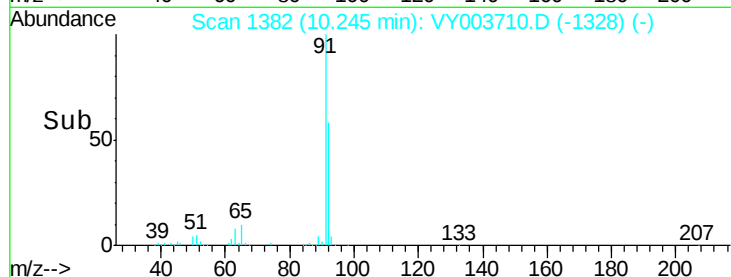
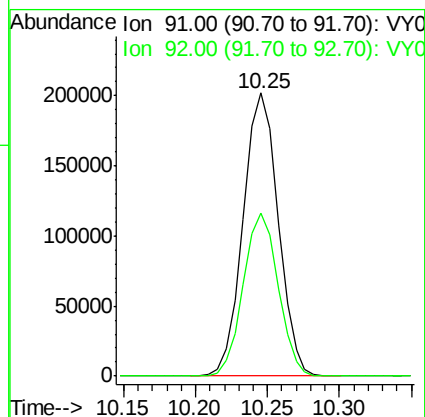
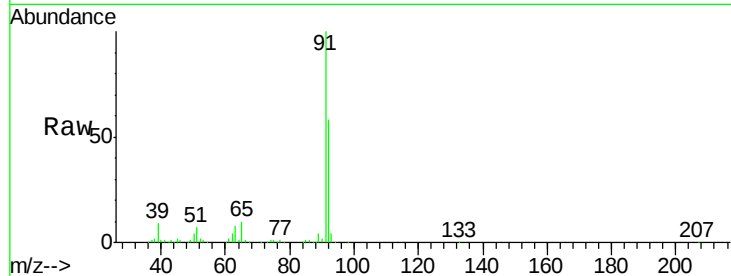
VSTD02591

Tgt Ion: 91 Resp: 341486

Ion Ratio Lower Upper

91 100

92 57.7 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 27.523 ug/L

RT: 10.46 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003710.D

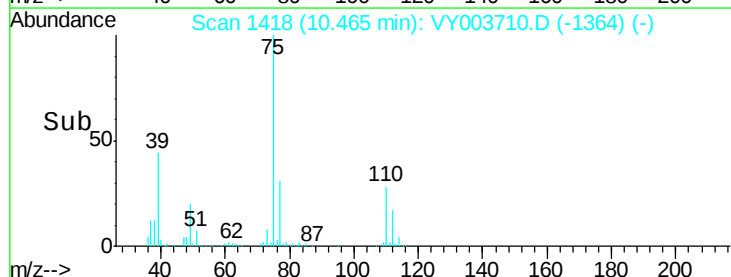
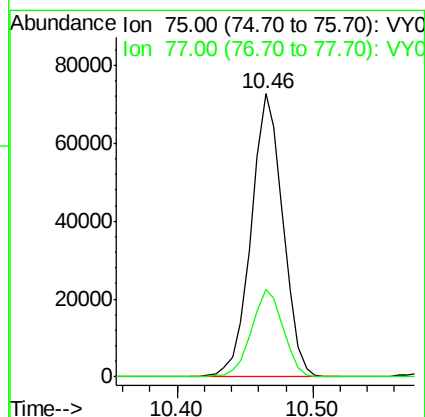
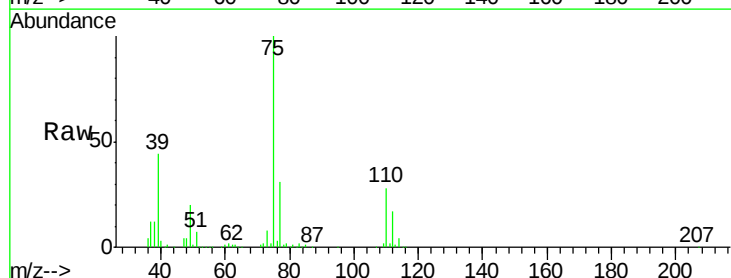
Acq: 09 Dec 2020 18:50

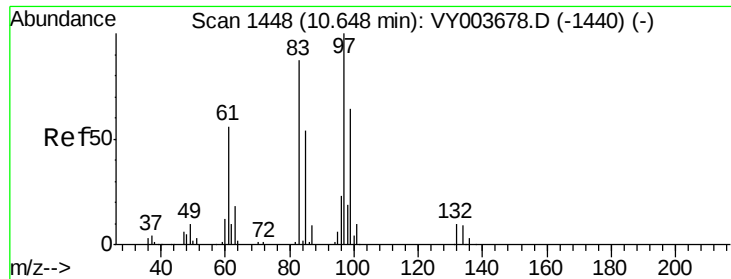
Tgt Ion: 75 Resp: 119249

Ion Ratio Lower Upper

75 100

77 31.1 22.0 40.8

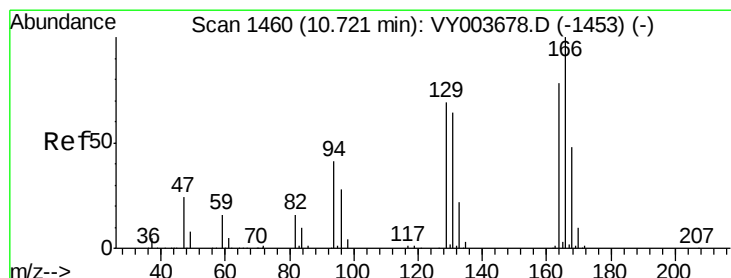
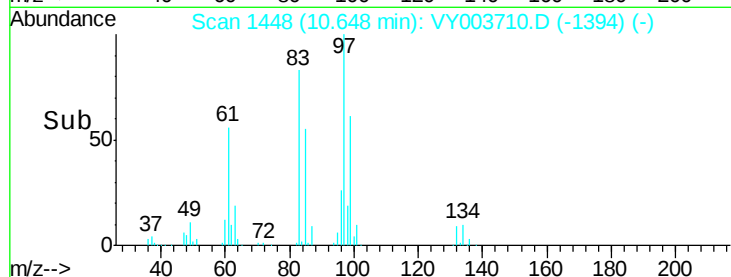
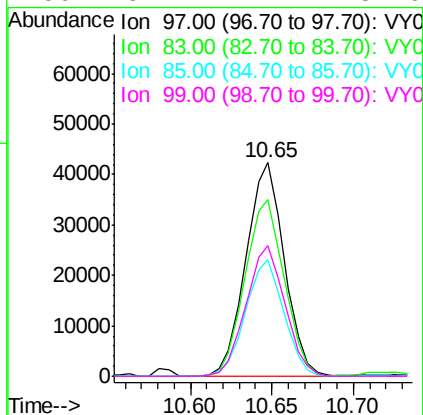
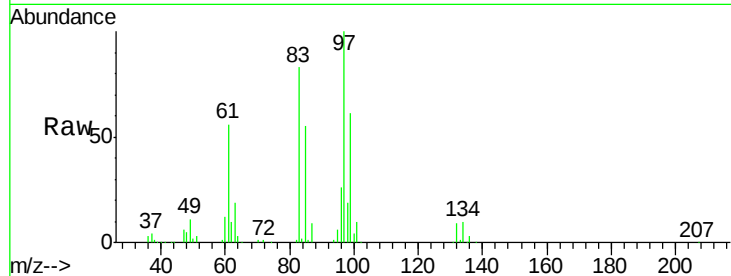




#46
 1,1,2-Trichloroethane
 Concen: 26.889 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

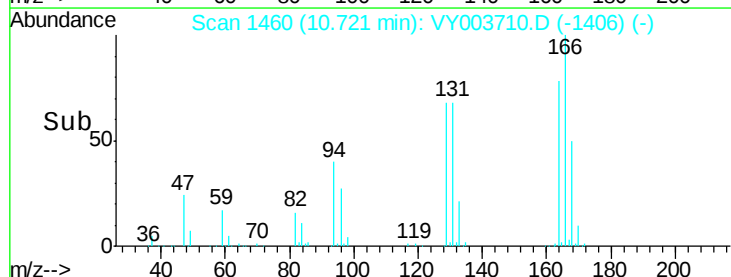
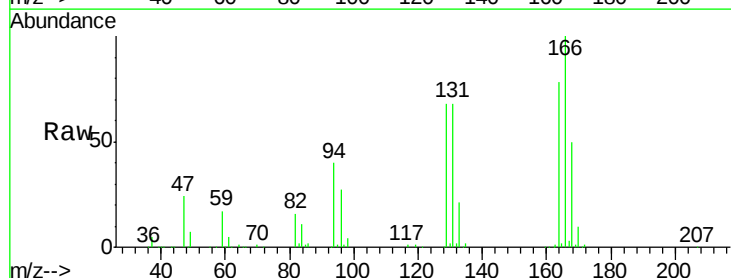
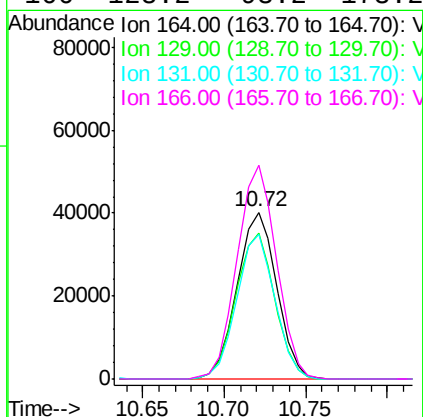
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

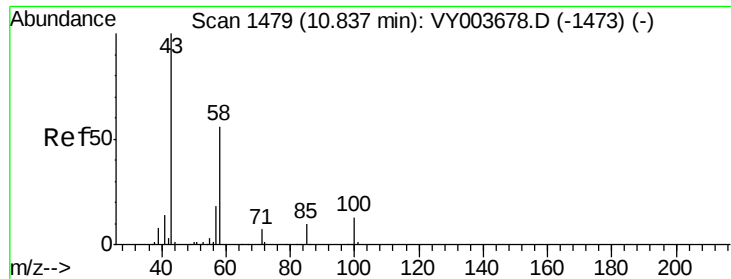
Tgt Ion: 97 Resp: 69234
 Ion Ratio Lower Upper
 97 100
 83 82.6 59.6 110.8
 85 54.6 40.2 74.6
 99 61.1 44.7 82.9



#47
 Tetrachloroethene
 Concen: 26.776 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

Tgt Ion: 164 Resp: 68169
 Ion Ratio Lower Upper
 164 100
 129 87.7 59.6 110.6
 131 86.7 57.9 107.5
 166 128.2 93.2 173.2

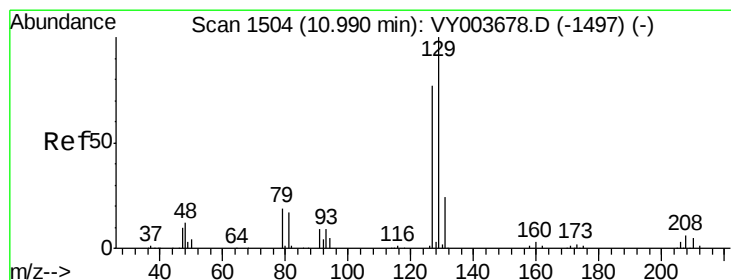
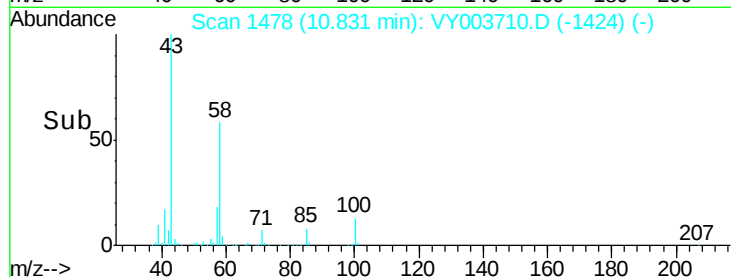
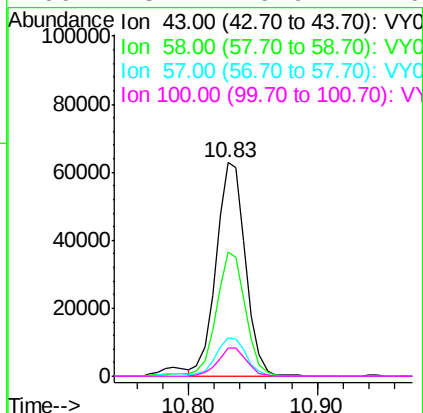
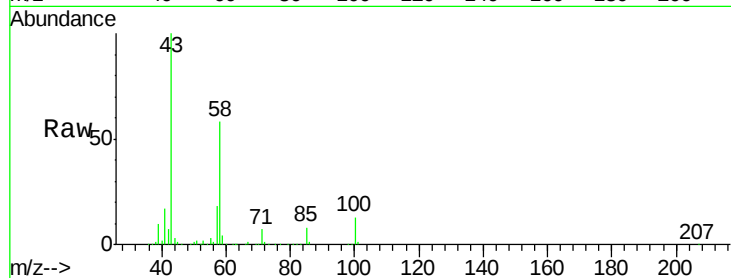




#49
2-Hexanone
Concen: 50.922 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

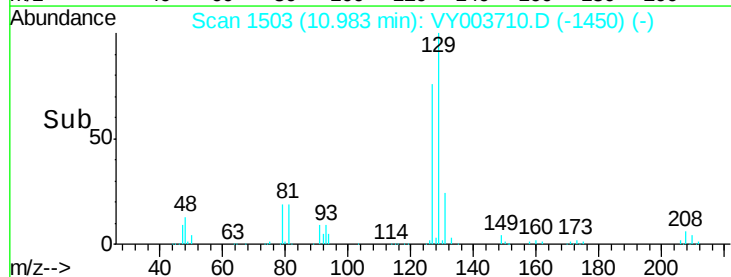
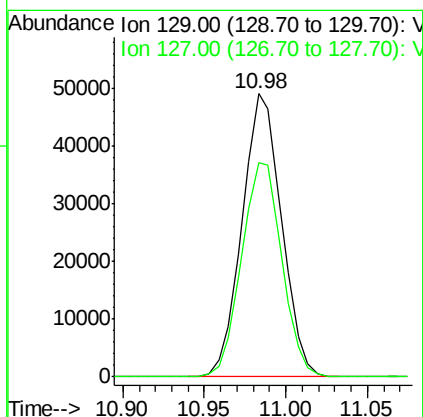
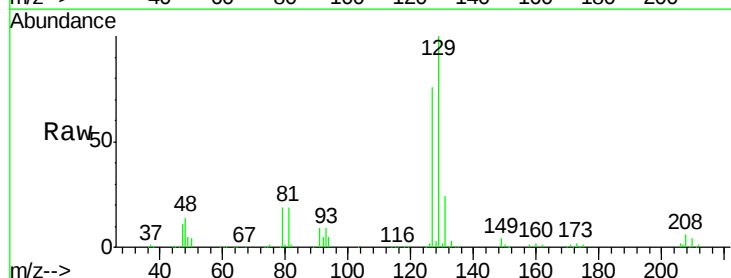
Instrument :
MSVOA_Y
ClientSampleId :
VSTD02591

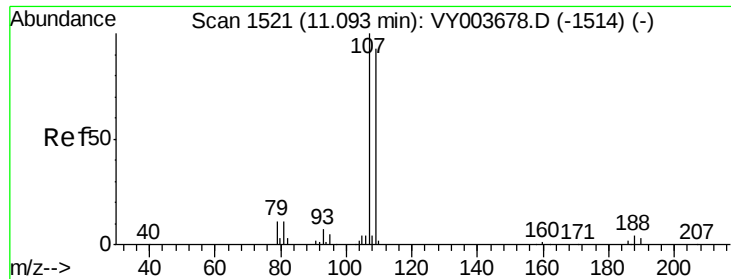
Tgt Ion: 43 Resp: 100389
Ion Ratio Lower Upper
43 100
58 58.2 44.8 67.2
57 18.5 14.8 22.2
100 13.1 9.9 14.9



#50
Dibromochloromethane
Concen: 27.500 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

Tgt Ion: 129 Resp: 82864
Ion Ratio Lower Upper
129 100
127 75.7 54.8 101.8

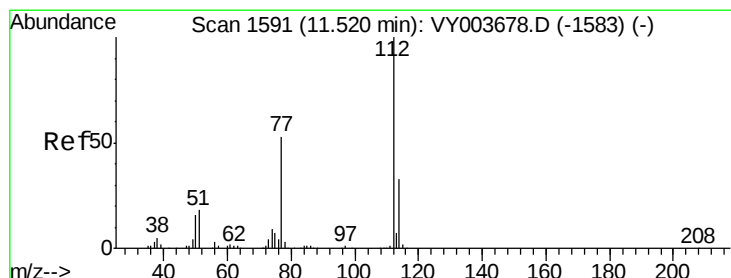
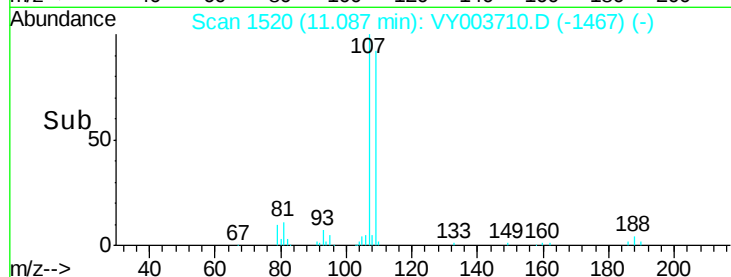
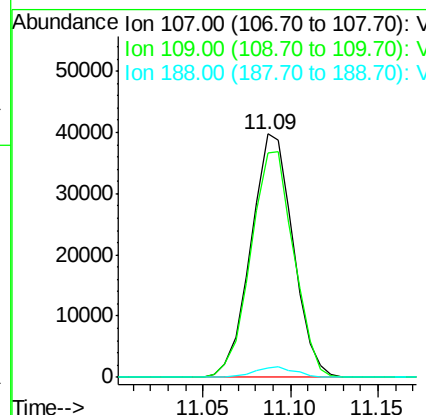
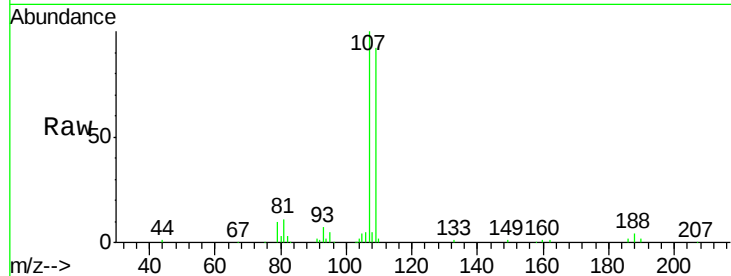




#51
1,2-Dibromoethane
Concen: 26.700 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.01 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

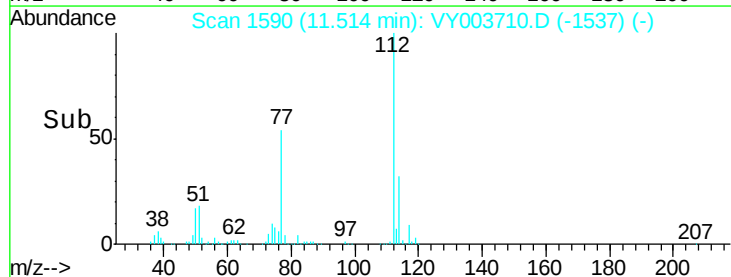
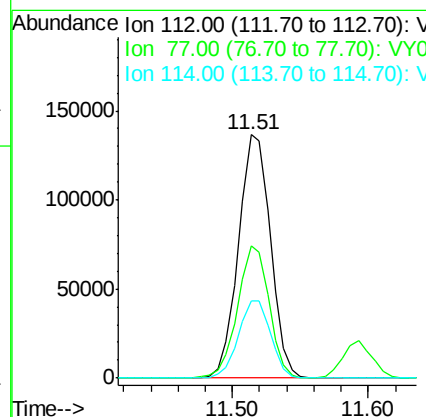
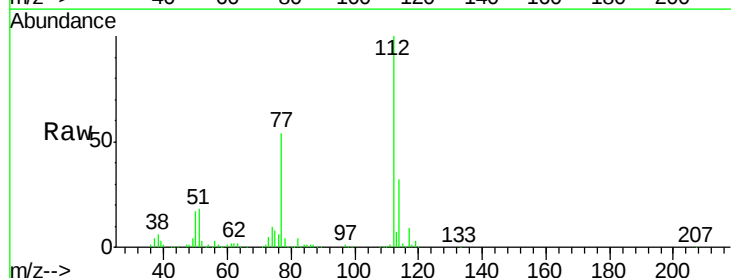
Instrument :
MSVOA_Y
ClientSampled :
VSTD02591

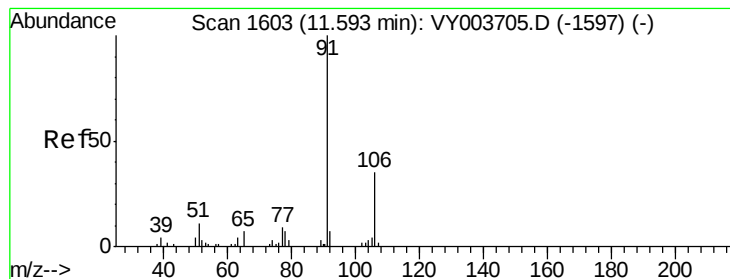
Tgt Ion:107 Resp: 66521
Ion Ratio Lower Upper
107 100
109 92.4 65.2 121.0
188 3.9 3.0 4.6



#52
Chlorobenzene
Concen: 27.088 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

Tgt Ion:112 Resp: 223910
Ion Ratio Lower Upper
112 100
77 54.1 44.4 66.6
114 32.0 22.4 41.6





#53

Ethylbenzene

Concen: 27.215 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampled :

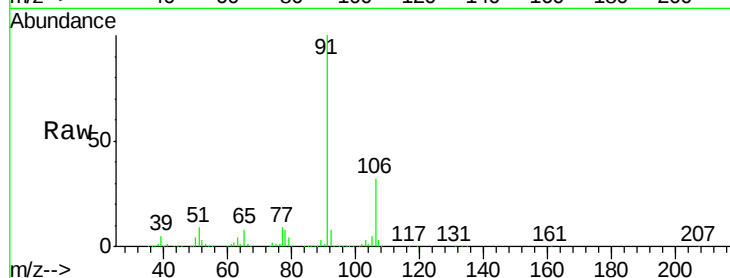
VSTD02591

Tgt Ion: 91 Resp: 373069

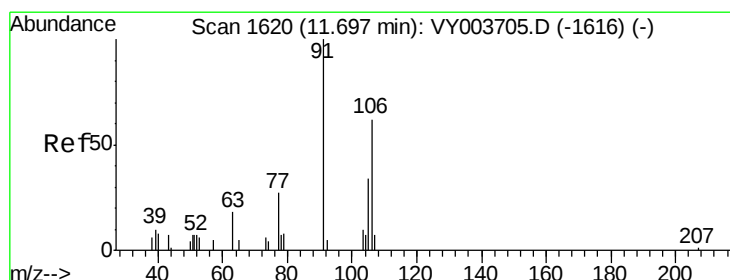
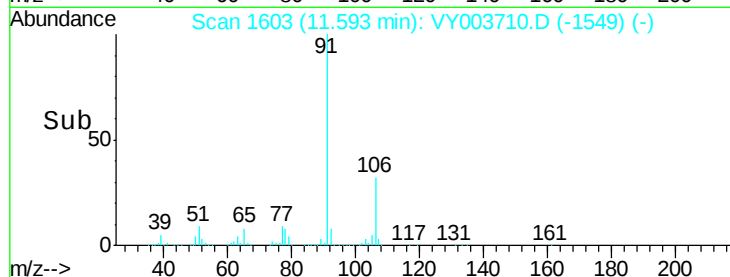
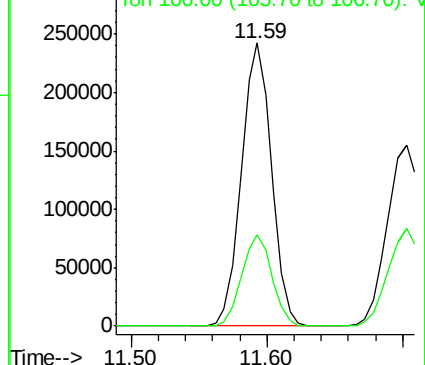
Ion Ratio Lower Upper

91 100

106 32.3 23.3 43.3



Abundance Ion 91.00 (90.70 to 91.70): VY003710.D (-1549) (-)



#54

m,p-Xylene

Concen: 27.910 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003710.D

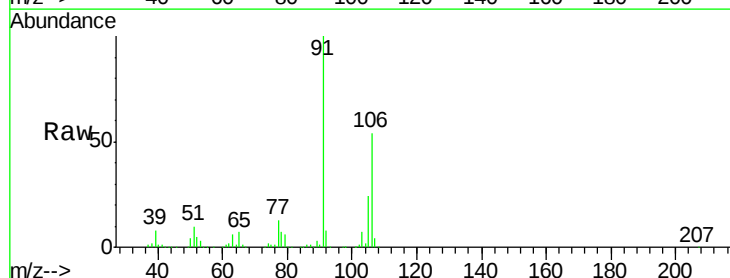
Acq: 09 Dec 2020 18:50

Tgt Ion: 106 Resp: 147594

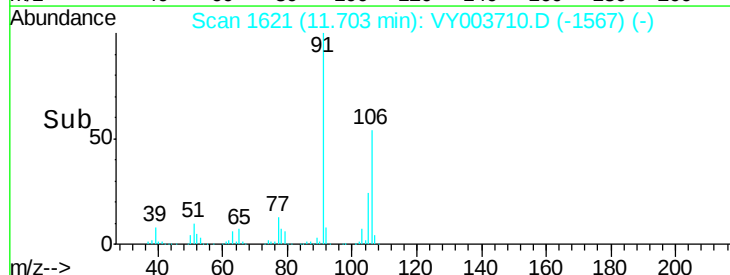
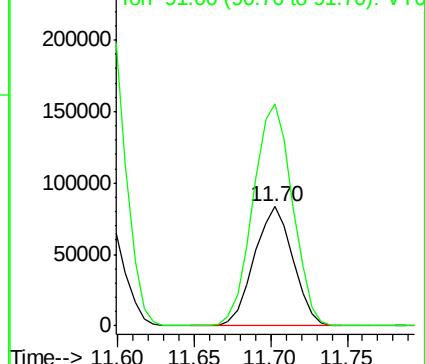
Ion Ratio Lower Upper

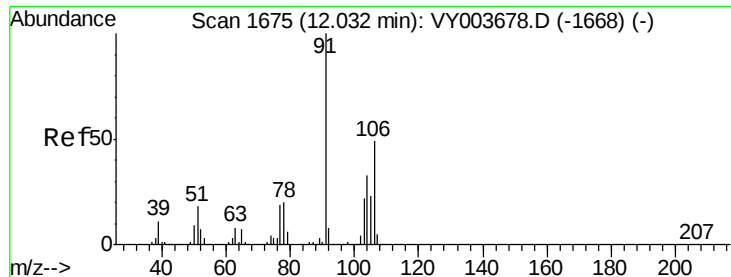
106 100

91 186.5 131.3 243.9



Abundance Ion 106.00 (105.70 to 106.70): VY003710.D (-1567) (-)





#55

o-xylene

Concen: 27.693 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

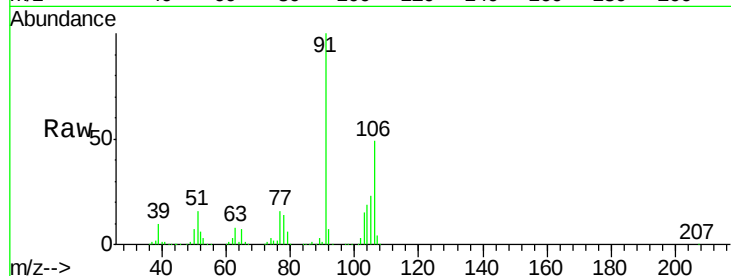
VSTD02591

Tgt Ion:106 Resp: 140500

Ion Ratio Lower Upper

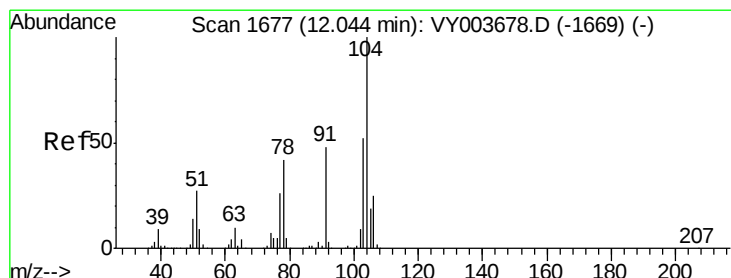
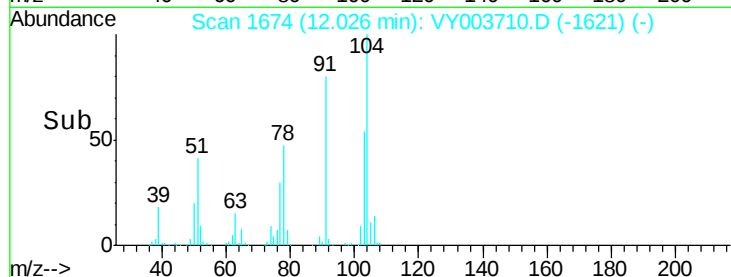
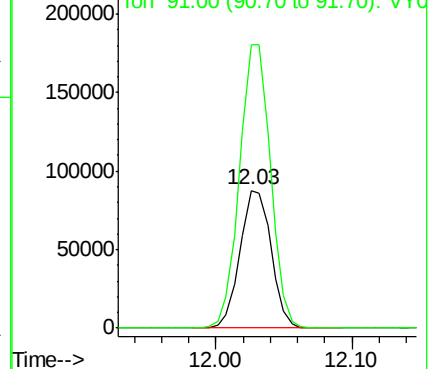
106 100

91 205.6 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 28.287 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003710.D

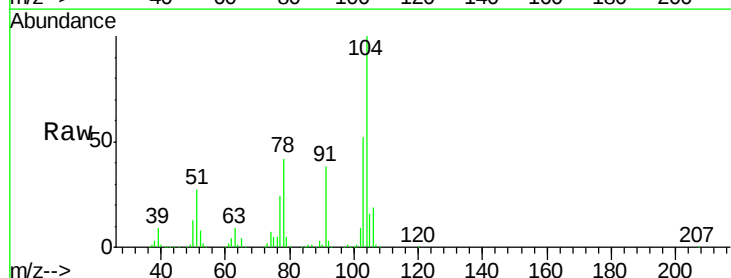
Acq: 09 Dec 2020 18:50

Tgt Ion:104 Resp: 245622

Ion Ratio Lower Upper

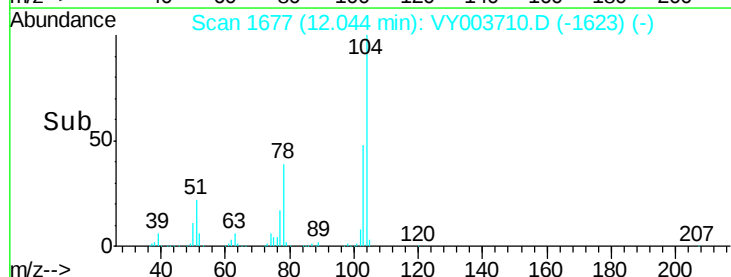
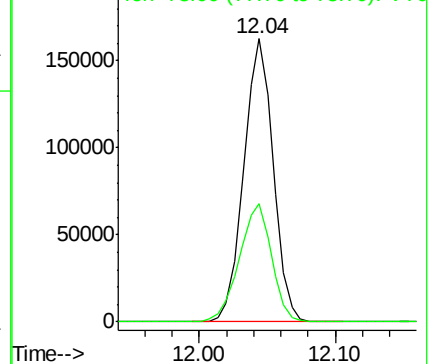
104 100

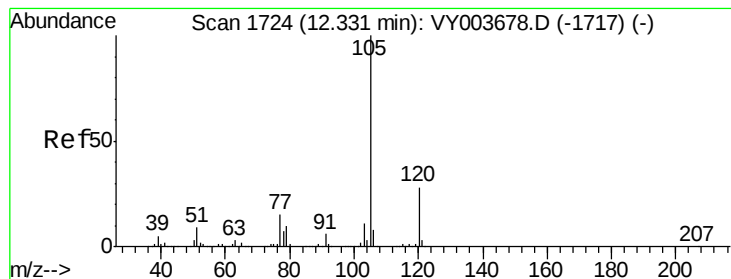
78 41.6 28.1 52.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 27.847 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTD02591

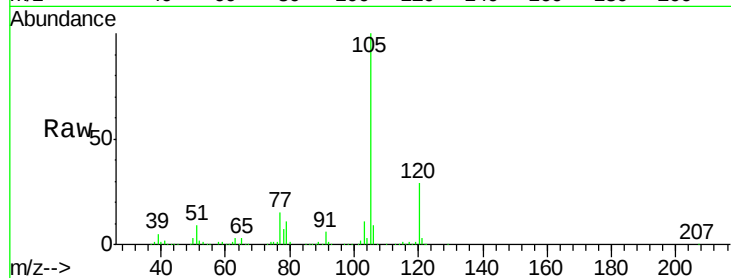
Tgt Ion: 105 Resp: 369368

Ion Ratio Lower Upper

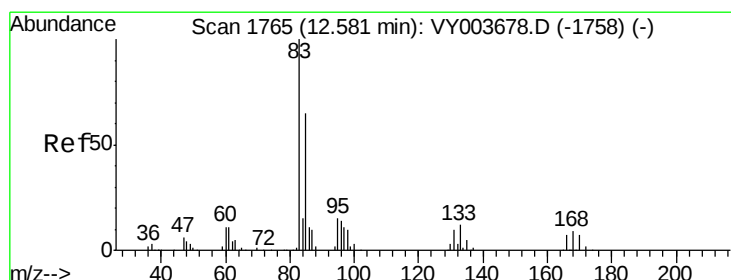
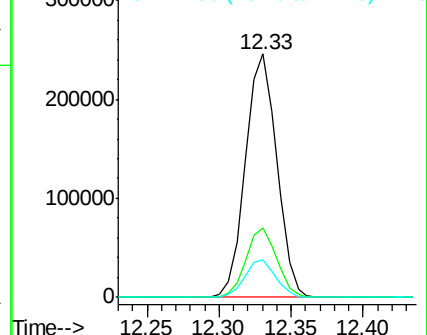
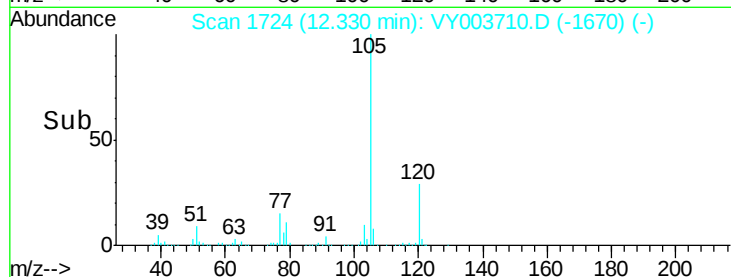
105 100

120 28.0 22.3 33.5

77 15.1 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): VY003710.D (-1712) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 29.777 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.01 min

Lab File: VY003710.D

Acq: 09 Dec 2020 18:50

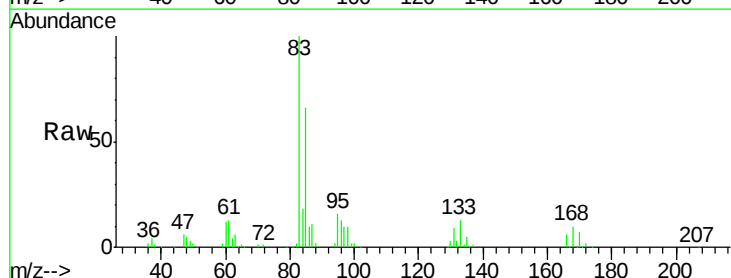
Tgt Ion: 83 Resp: 82198

Ion Ratio Lower Upper

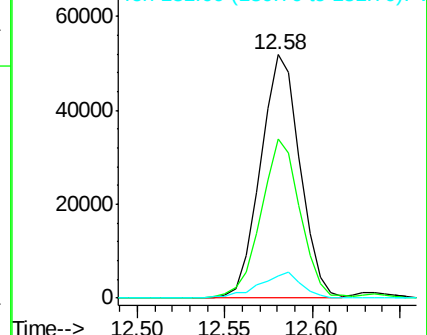
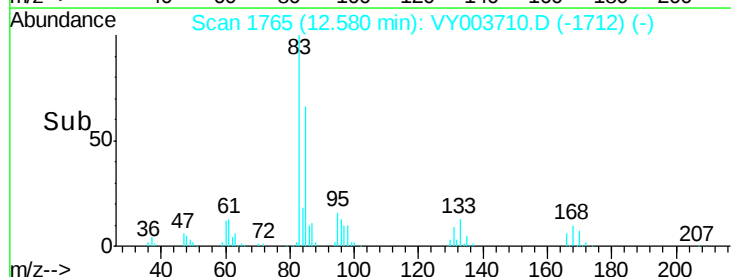
83 100

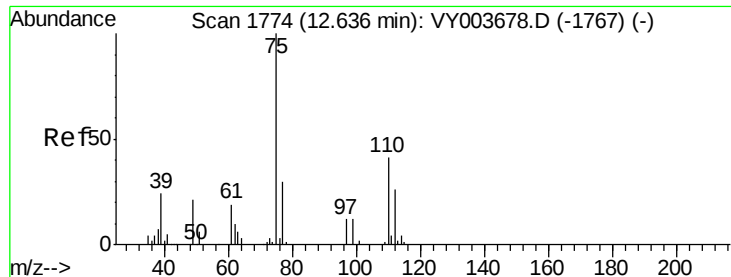
85 65.6 47.2 87.6

131 9.3 8.4 12.6



Abundance Ion 83.00 (82.70 to 83.70): VY003710.D (-1712) (-)

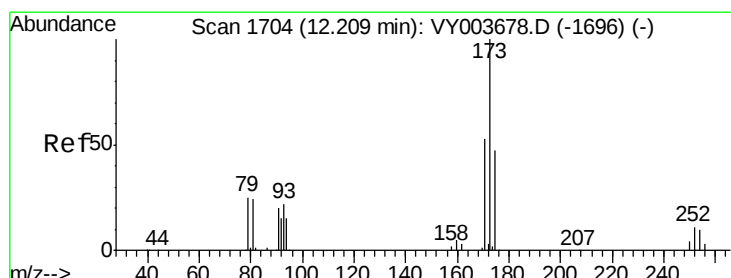
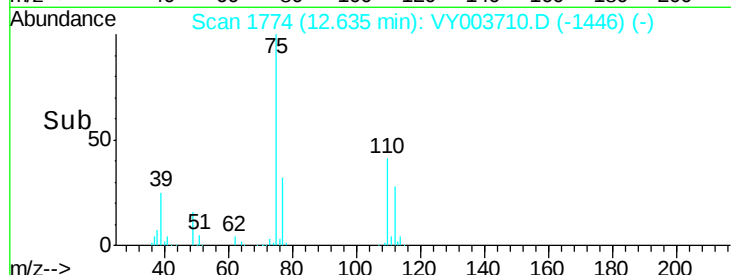
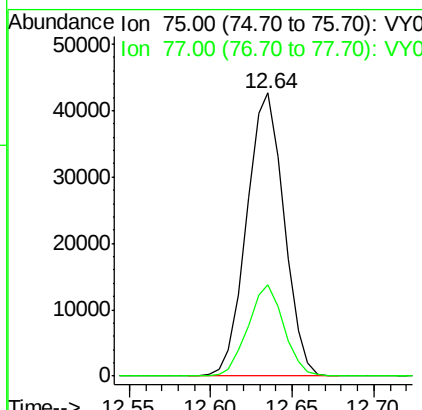
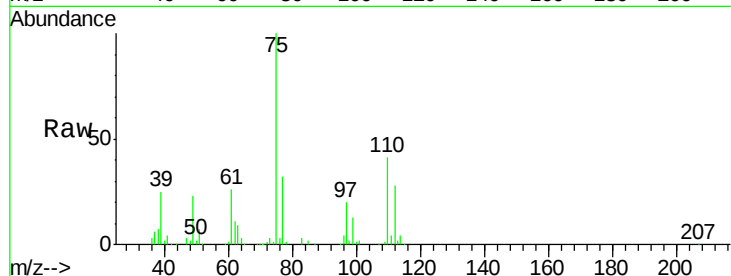




#59
 1,2,3-Trichloropropane
 Concen: 27.581 ug/L
 RT: 12.64 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

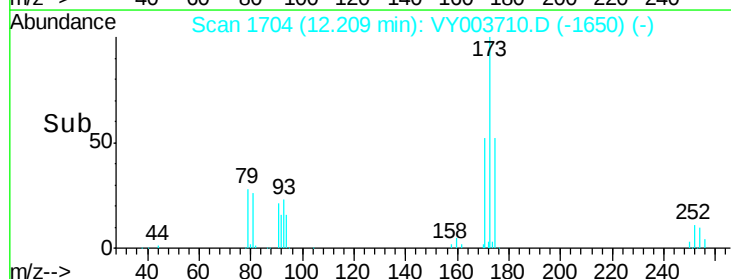
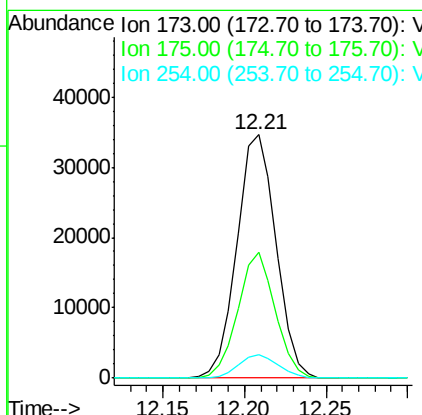
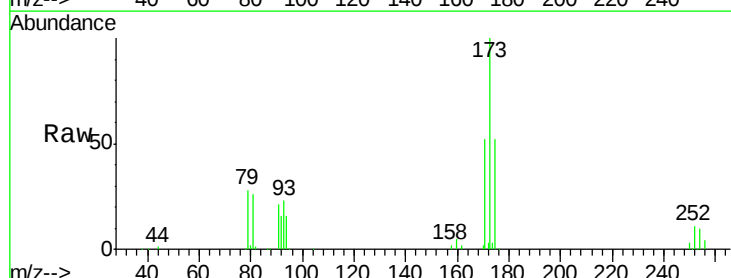
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

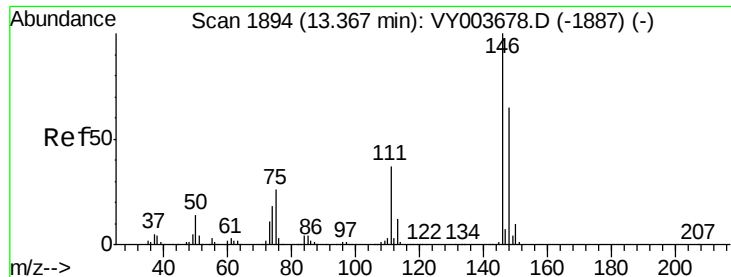
Tgt Ion: 75 Resp: 68071
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.9 38.9



#62
 Bromoform
 Concen: 26.513 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

Tgt Ion: 173 Resp: 57693
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.1 58.7
 254 9.8 7.7 11.5

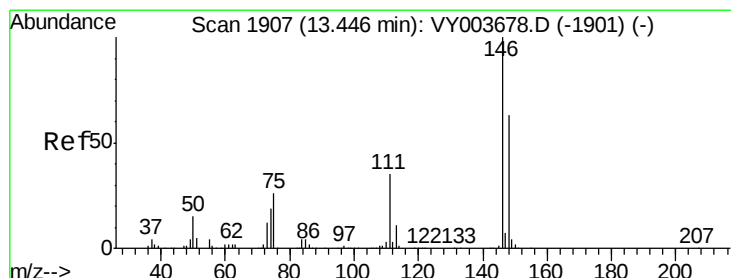
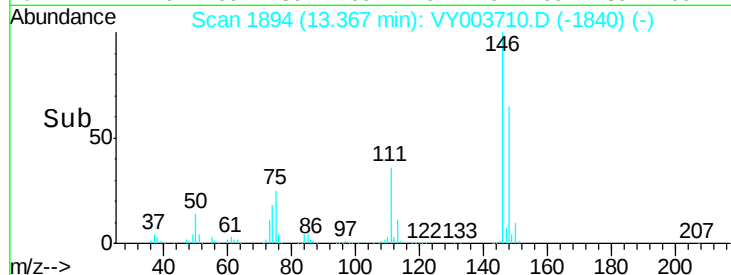
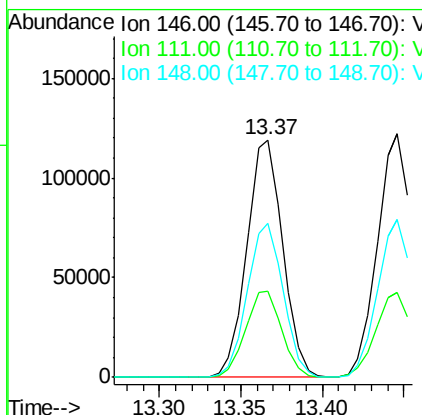
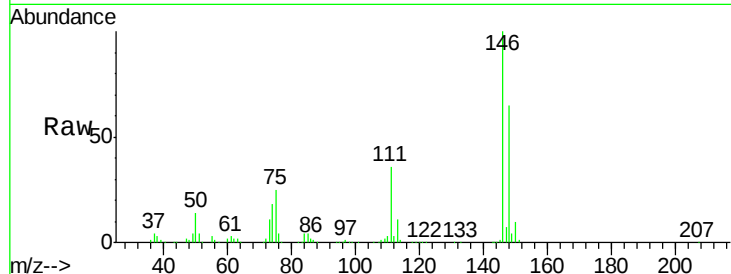




#63
 1,3-Dichlorobenzene
 Concen: 26.669 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

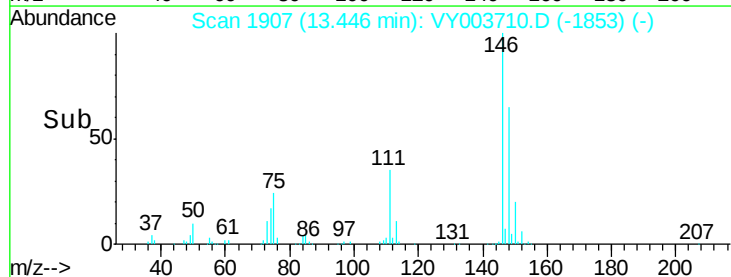
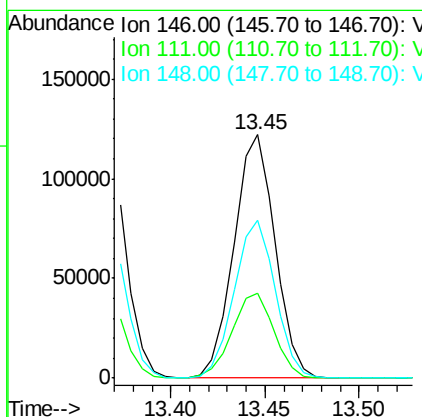
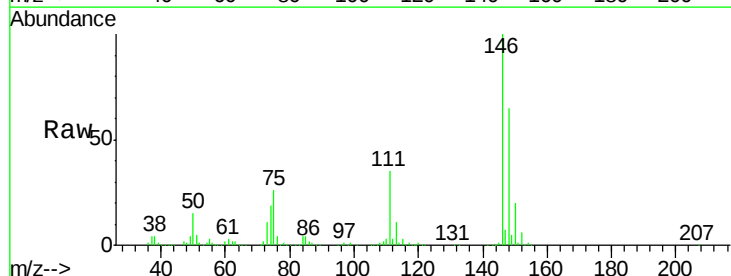
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

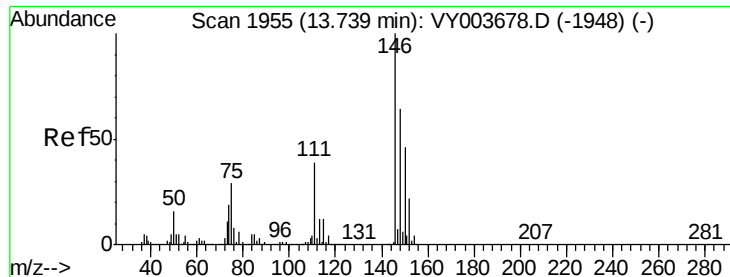
Tgt Ion:146 Resp: 182819
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.0 48.4
 148 64.8 43.7 81.1



#64
 1,4-Dichlorobenzene
 Concen: 26.442 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

Tgt Ion:146 Resp: 184272
 Ion Ratio Lower Upper
 146 100
 111 34.8 23.2 43.0
 148 64.9 43.8 81.4

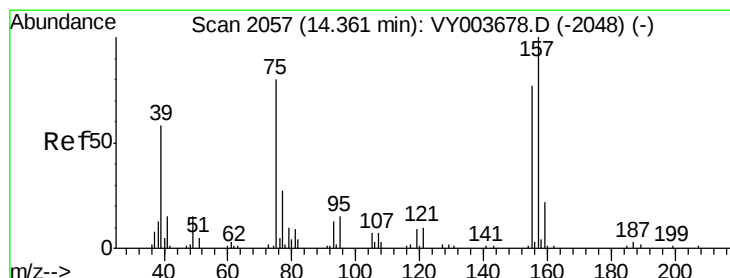
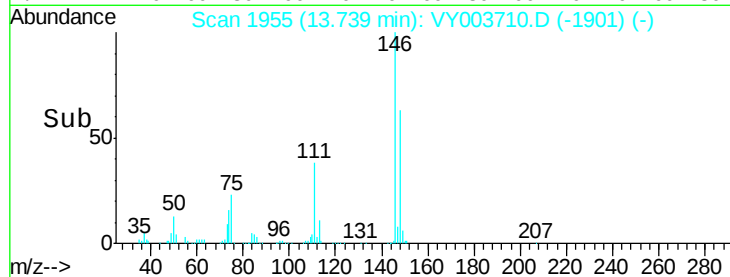
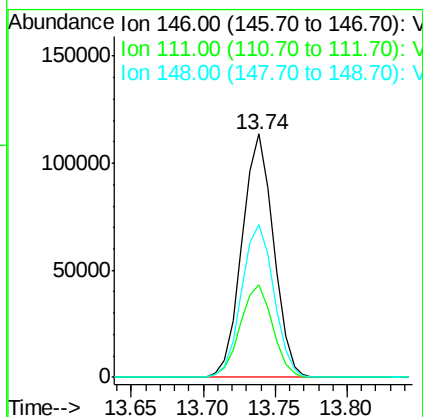
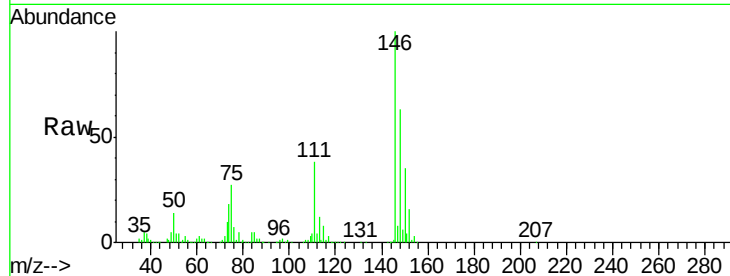




#65
 1,2-Dichlorobenzene
 Concen: 27.413 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

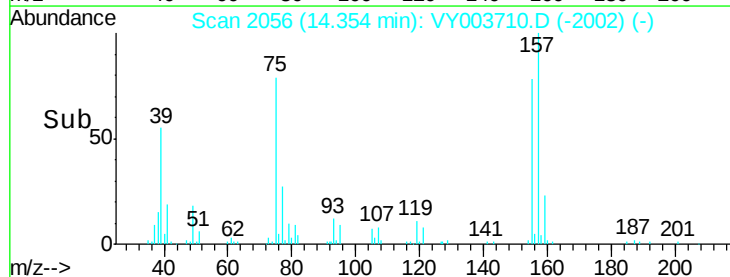
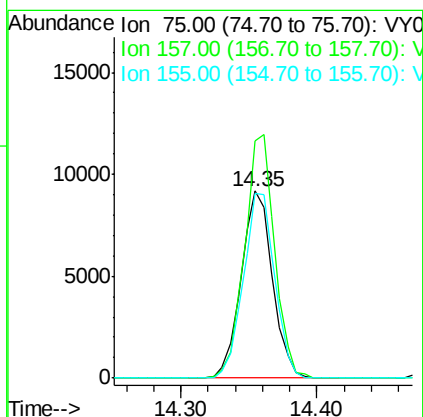
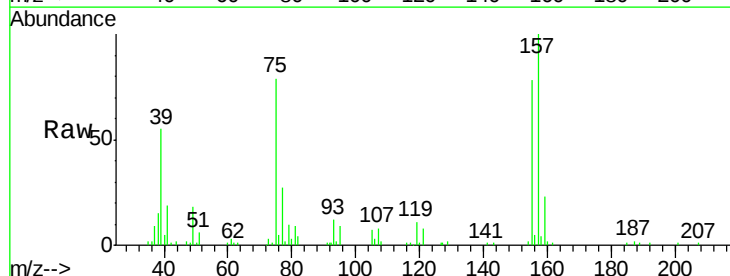
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTD02591

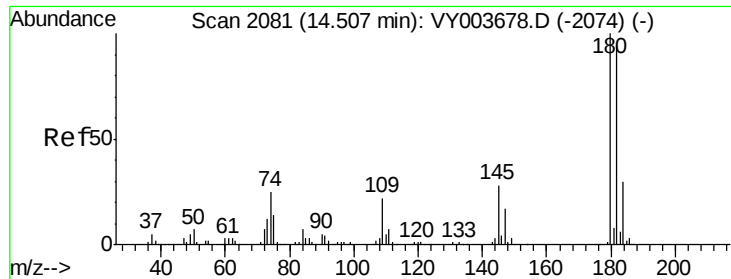
Tgt Ion: 146 Resp: 172406
 Ion Ratio Lower Upper
 146 100
 111 38.1 30.0 45.0
 148 62.8 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.040 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

Tgt Ion: 75 Resp: 14670
 Ion Ratio Lower Upper
 75 100
 157 126.9 101.3 151.9
 155 98.7 76.2 114.4

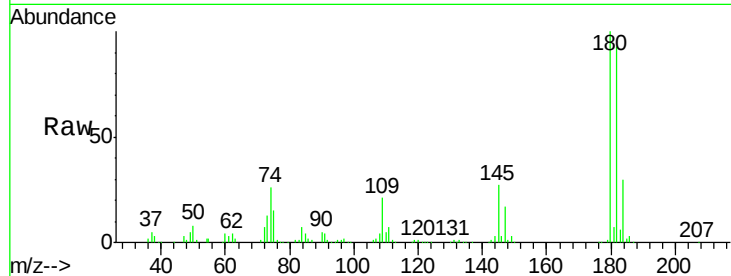




#67
 1,3,5-Trichlorobenzene
 Concen: 26.788 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	129825		
182	94.4	76.0	114.0	
184	30.4	24.2	36.2	
145	27.9	22.2	33.2	

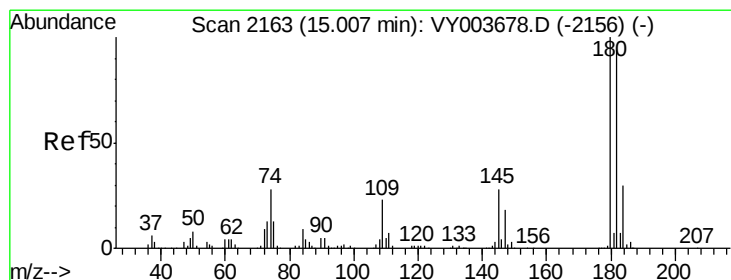
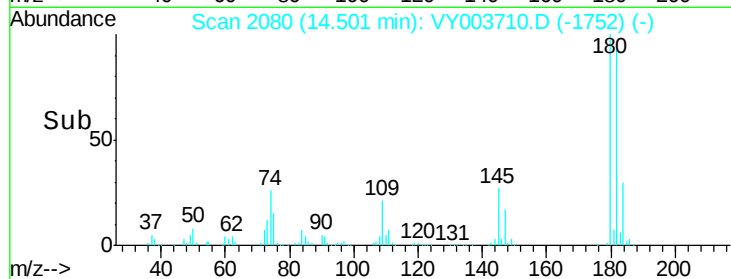
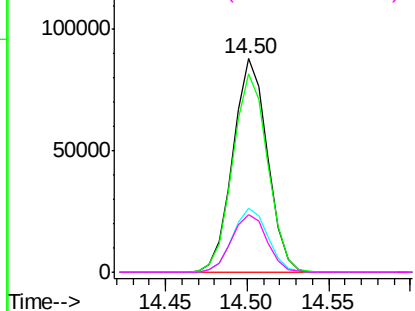


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

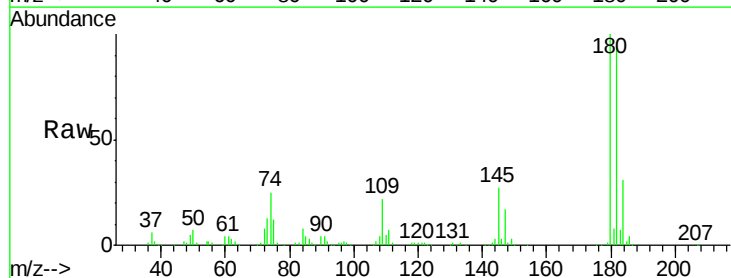
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.553 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003710.D
 Acq: 09 Dec 2020 18:50

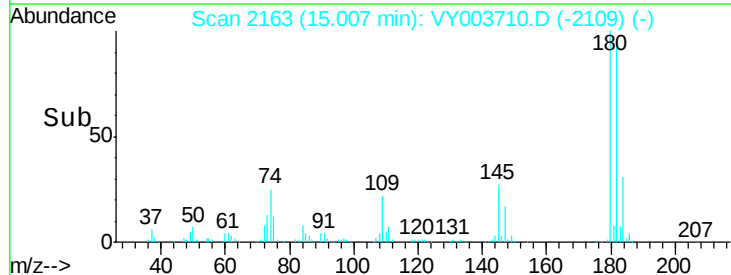
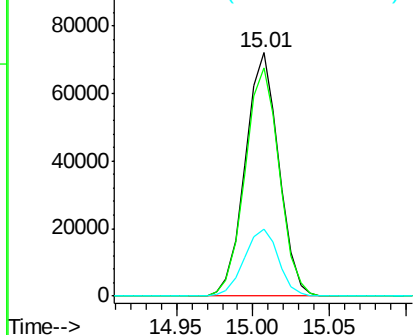
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	109782		
182	95.2	76.5	114.7	
145	28.2	22.2	33.4	

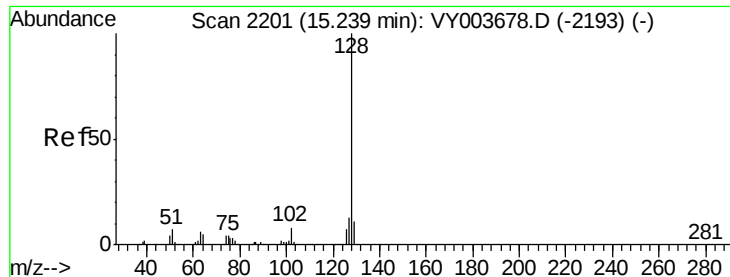


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

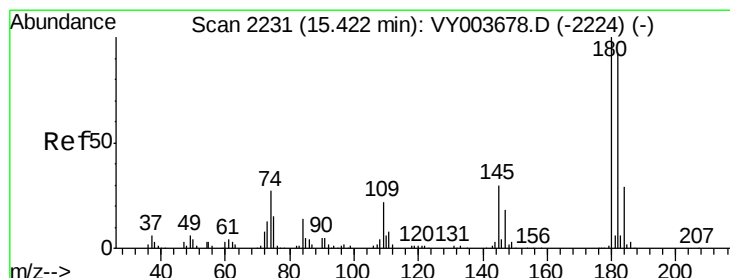
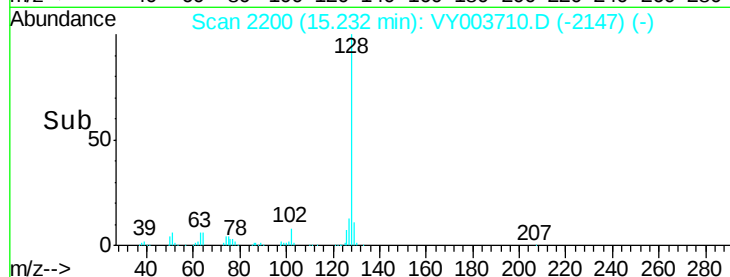
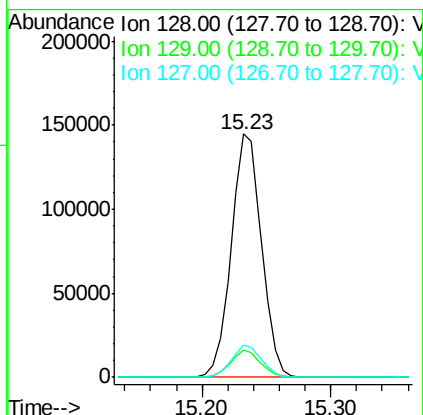
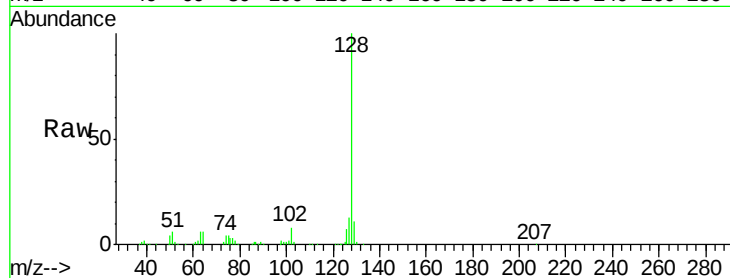




#69
Naphthalene
Concen: 27.282 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.01 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTD02591

Tgt Ion:128 Resp: 236576
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.1 10.2 15.4



#70
1,2,3-Trichlorobenzene
Concen: 27.139 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VY003710.D
Acq: 09 Dec 2020 18:50

Tgt Ion:180 Resp: 102495
Ion Ratio Lower Upper
180 100
182 95.2 76.9 115.3
145 29.7 24.2 36.4

