

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121420\
 Data File : VY003744.D
 Acq On : 14 Dec 2020 12:24
 Operator : SY/MD
 Sample : VSTD00579
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

Quant Time: Dec 14 13:21:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 13:19:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	361817	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	335822	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	171920	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	25167	5.02	ug/L	0.00
7) Chloroethane-d5	2.77	69	19026	5.01	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	53488	5.52	ug/L	0.00
20) 2-Butanone-d5	6.90	46	21462	11.18	ug/L	0.00
24) Chloroform-d	7.49	84	48388	5.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	26980	5.16	ug/L	0.00
29) Benzene-d6	8.12	84	98983	5.13	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	30584	5.29	ug/L	0.00
37) Toluene-d8	10.18	98	89418	5.17	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	14301	5.19	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	15806	10.49	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	27193	5.29	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	31085	5.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	32199	7.345 ug/L	99
3) Chloromethane	2.12	50	28967	6.278 ug/L	99
5) Vinyl chloride	2.26	62	28769	5.957 ug/L	94
6) Bromomethane	2.66	94	17078	5.591 ug/L	95
8) Chloroethane	2.80	64	16866	5.768 ug/L	96
9) Trichlorofluoromethane	3.14	101	44044	5.974 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	26804	5.704 ug/L	100
12) 1,1-Dichloroethene	3.88	96	25020	5.680 ug/L	97
13) Acetone	3.96	43	15074	10.940 ug/L	99
14) Carbon disulfide	4.21	76	88093	5.899 ug/L	98
15) Methyl Acetate	4.49	43	18932	5.441 ug/L	99
16) Methylene chloride	4.73	84	35709	5.541 ug/L	95
17) Methyl tert-butyl Ether	5.23	73	68391	5.457 ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	14875	2.999 ug/L	99
19) 1,1-Dichloroethane	6.03	63	46711	5.557 ug/L	99
21) 2-Butanone	7.00	43	26345	10.863 ug/L	97
22) cis-1,2-Dichloroethene	7.00	96	28888	5.482 ug/L	95
23) Bromochloromethane	7.34	128	13499	5.137 ug/L	91
25) Chloroform	7.51	83	46274	5.479 ug/L	98
27) 1,2-Dichloroethane	8.25	62	32701	5.715 ug/L	97
30) Cyclohexane	7.80	56	44384	5.848 ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	40671	5.526 ug/L	99
32) Carbon tetrachloride	7.91	117	36018	5.548 ug/L	97
34) Benzene	8.17	78	108549	5.540 ug/L	100
35) Trichloroethene	8.94	95	28510	5.311 ug/L	99
36) Methylcyclohexane	9.19	83	48189	5.779 ug/L	99
40) 1,2-Dichloropropane	9.22	63	27460	5.552 ug/L	100
41) Bromodichloromethane	9.50	83	33885	5.417 ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	42469	5.453 ug/L	97
43) 4-Methyl-2-pentanone	10.08	43	53200	11.338 ug/L	99

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

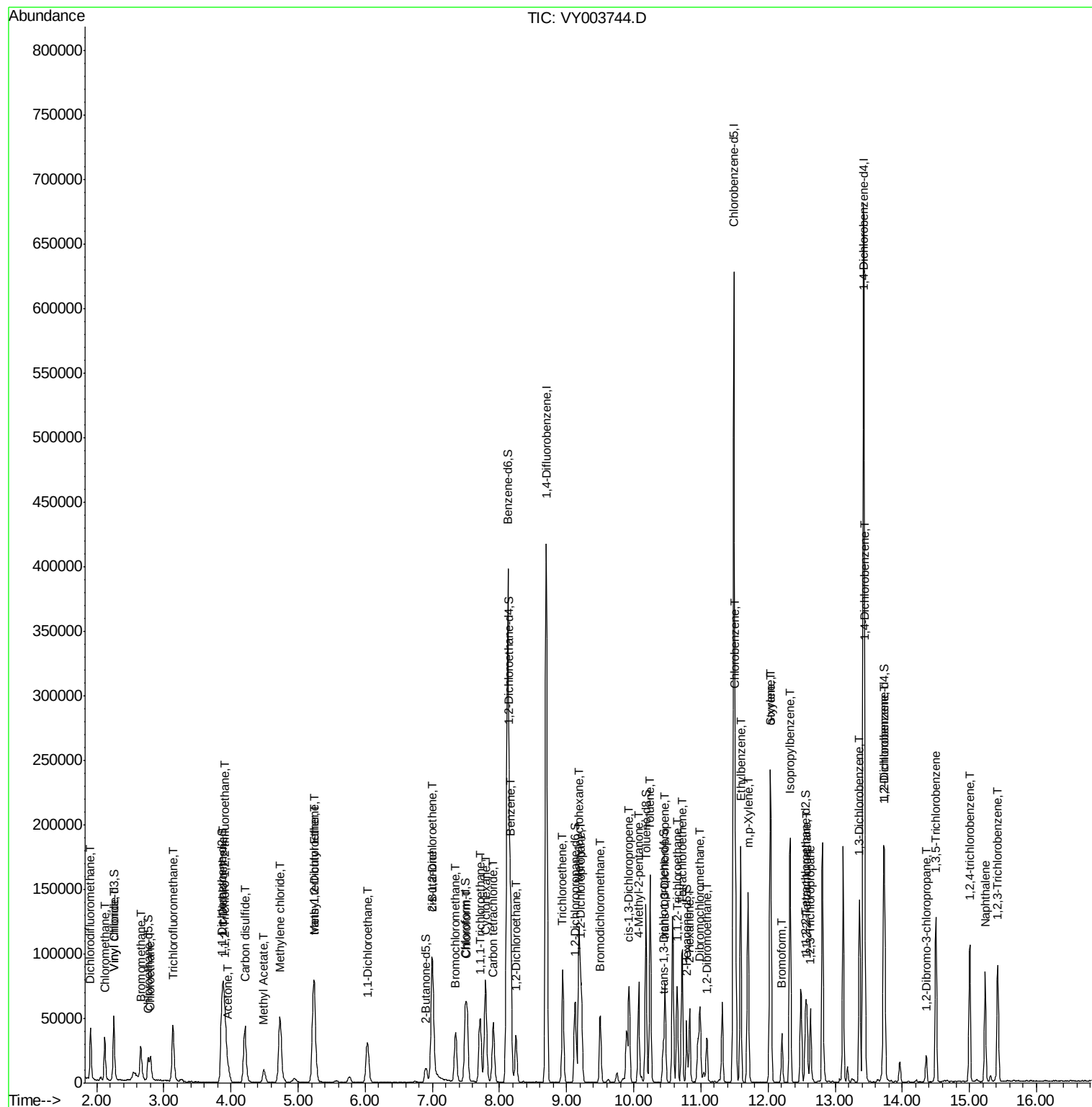
44) Toluene	10.25	91	114934	5.569	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	38357	5.341	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	22259	5.270	ug/L	98
47) Tetrachloroethene	10.72	164	22649	5.436	ug/L	94
49) 2-Hexanone	10.83	43	35323	10.692	ug/L	99
50) Dibromochloromethane	10.98	129	25495	5.165	ug/L	95
51) 1,2-Dibromoethane	11.09	107	22238	5.417	ug/L #	96
52) Chlorobenzene	11.51	112	72896	5.393	ug/L	99
53) Ethylbenzene	11.59	91	123551	5.470	ug/L	97
54) m,p-Xylene	11.70	106	45832	5.282	ug/L	99
55) o-xylene	12.03	106	44659	5.363	ug/L	96
56) Styrene	12.04	104	73432	5.164	ug/L	98
57) Isopropylbenzene	12.33	105	117187	5.376	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	26342	5.702	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	22672	5.576	ug/L	96
62) Bromoform	12.21	173	17333	5.252	ug/L	97
63) 1,3-Dichlorobenzene	13.36	146	56041	5.400	ug/L	96
64) 1,4-Dichlorobenzene	13.45	146	57325	5.454	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	51610	5.429	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	4865	5.468	ug/L	90
67) 1,3,5-Trichlorobenzene	14.50	180	38845	5.301	ug/L	98
68) 1,2,4-trichlorobenzene	15.01	180	32372	5.198	ug/L	98
69) Naphthalene	15.23	128	68387	5.124	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	29138	5.136	ug/L	99

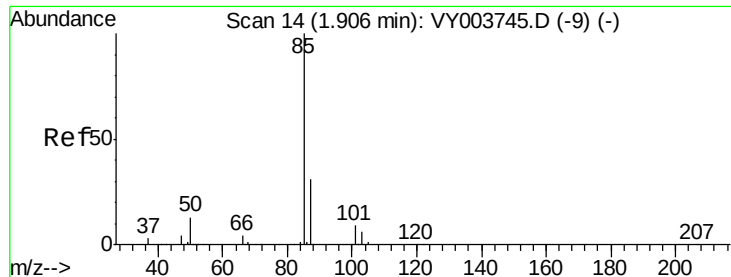
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 7.345 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

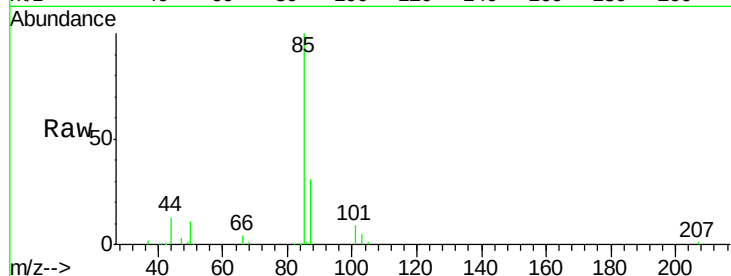
VSTD00579

Tgt Ion: 85 Resp: 32199

Ion Ratio Lower Upper

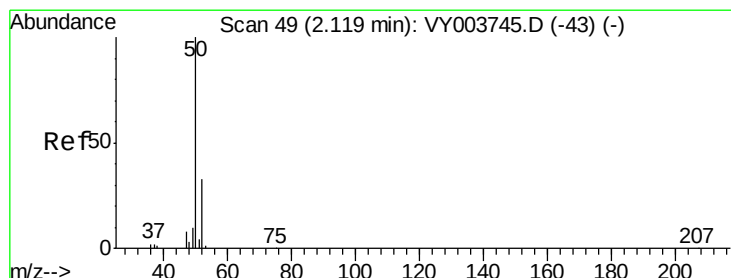
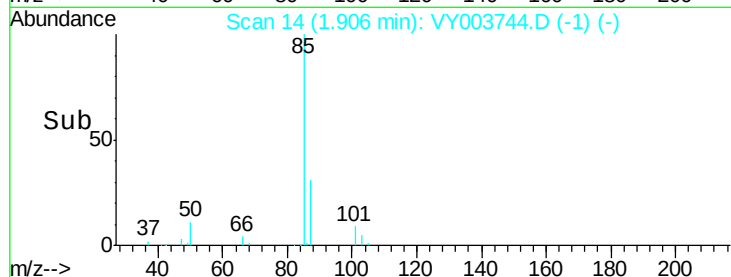
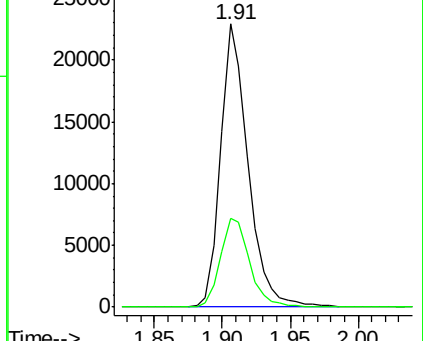
85 100

87 33.1 22.7 42.3



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 6.278 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003744.D

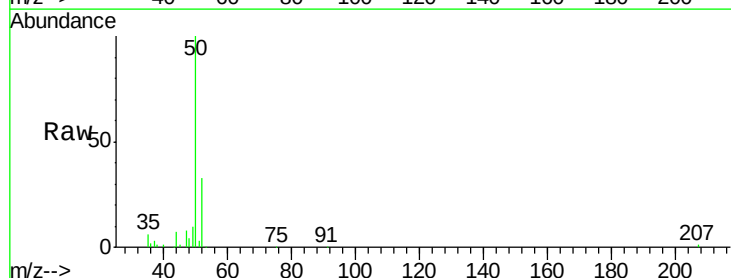
Acq: 14 Dec 2020 12:24

Tgt Ion: 50 Resp: 28967

Ion Ratio Lower Upper

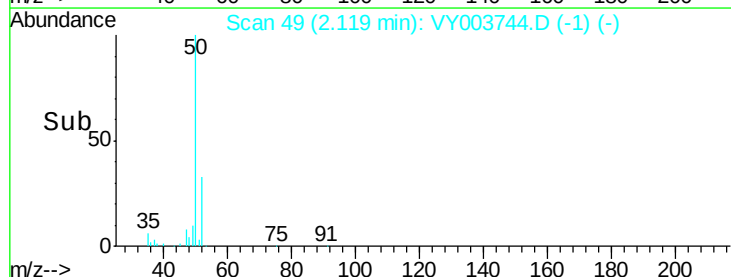
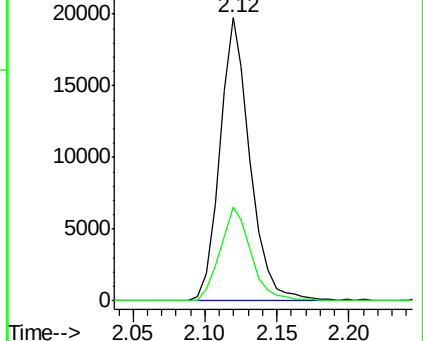
50 100

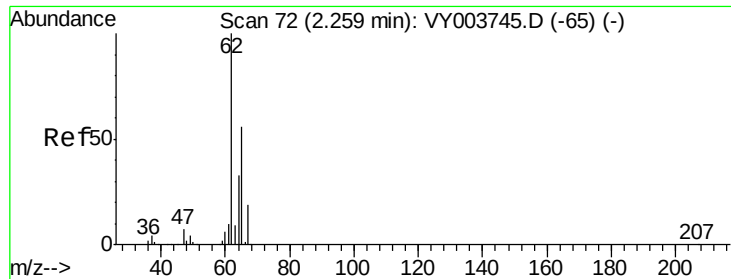
52 33.2 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 5.957 ug/L

RT: 2.26 min Scan# 72

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

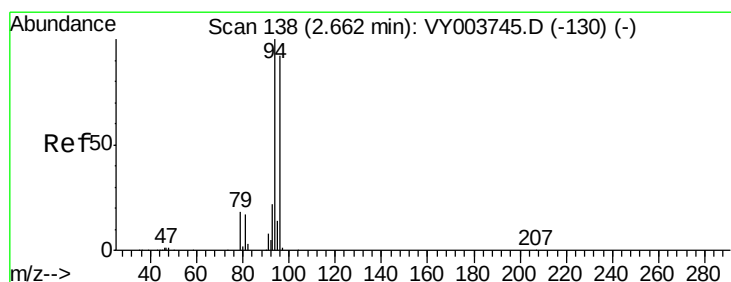
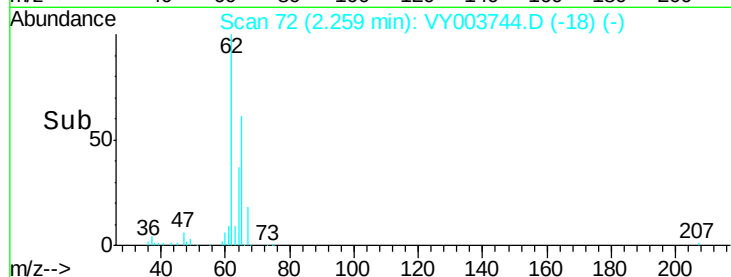
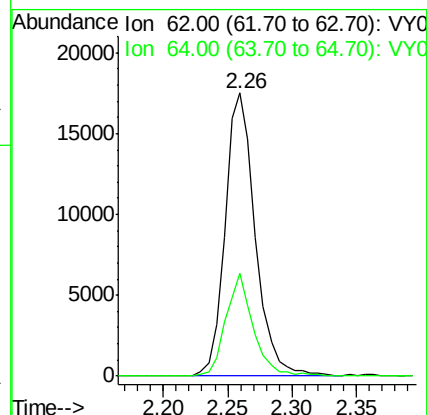
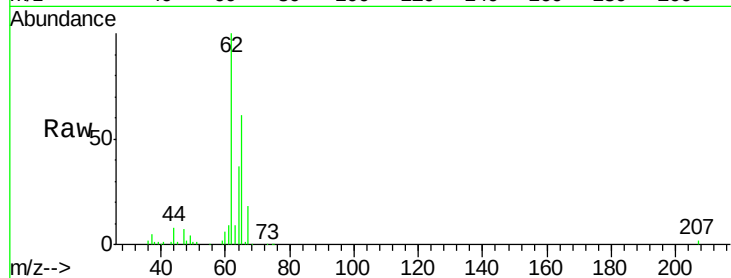
VSTD00579

Tgt Ion: 62 Resp: 28769

Ion Ratio Lower Upper

62 100

64 36.5 23.2 43.2



#6

Bromomethane

Concen: 5.591 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003744.D

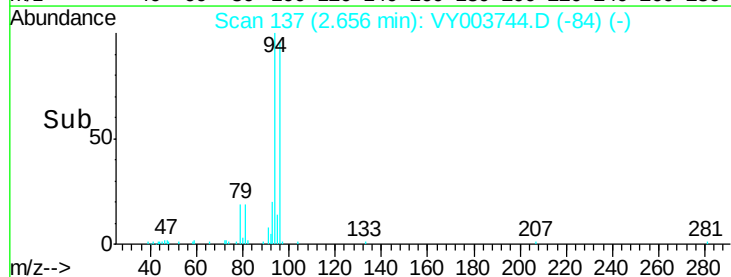
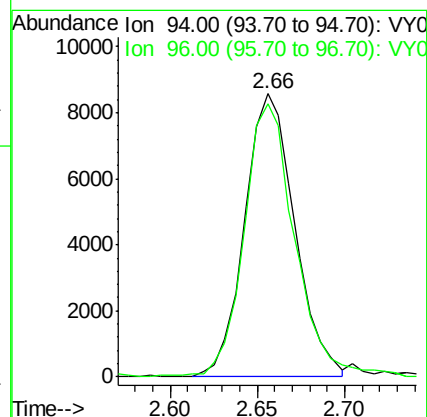
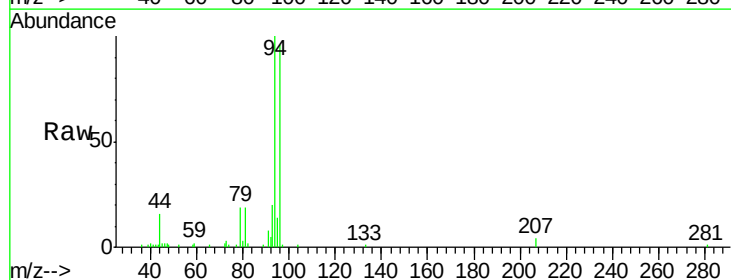
Acq: 14 Dec 2020 12:24

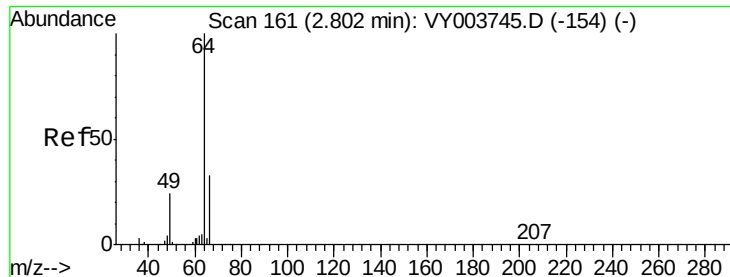
Tgt Ion: 94 Resp: 17078

Ion Ratio Lower Upper

94 100

96 98.2 9.3 177.5





#8

Chloroethane

Concen: 5.768 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

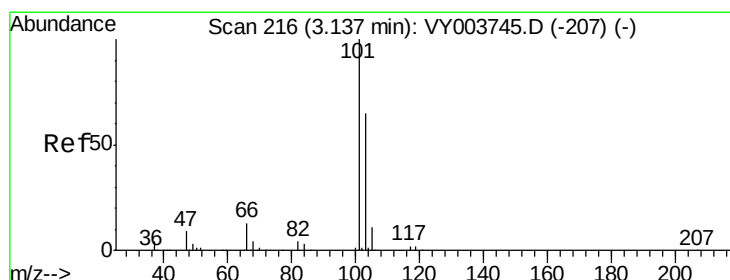
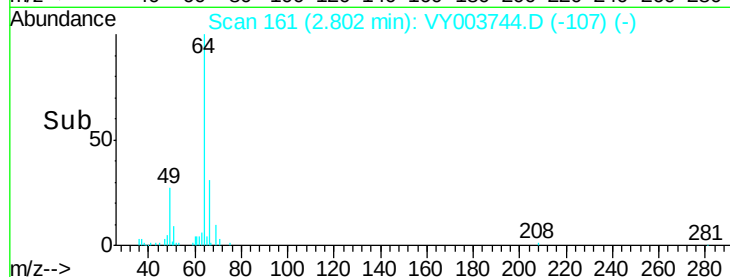
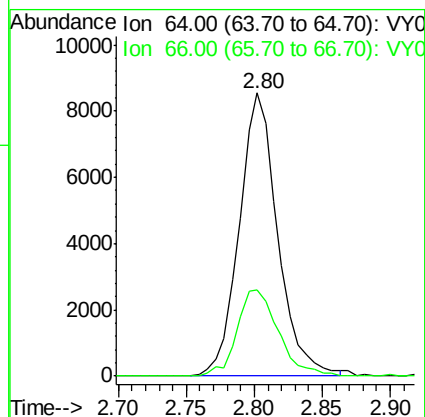
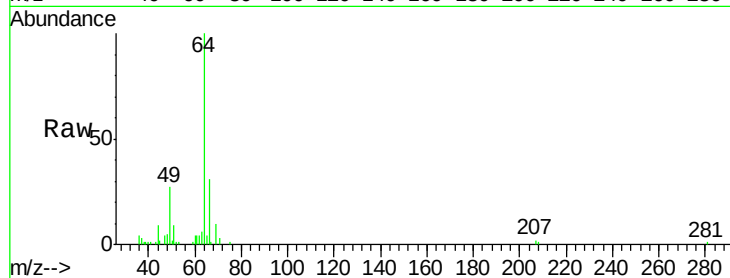
VSTD00579

Tgt Ion: 64 Resp: 16866

Ion Ratio Lower Upper

64 100

66 30.7 23.1 42.9



#9

Trichlorofluoromethane

Concen: 5.974 ug/L

RT: 3.14 min Scan# 216

Delta R.T. 0.00 min

Lab File: VY003744.D

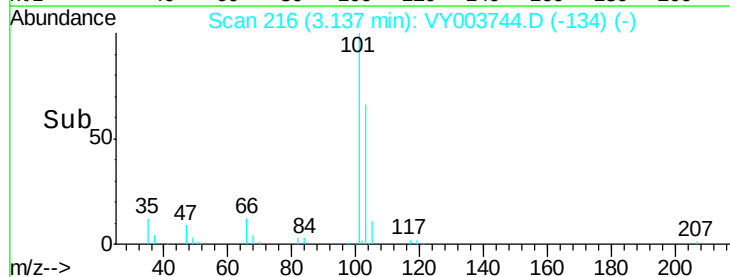
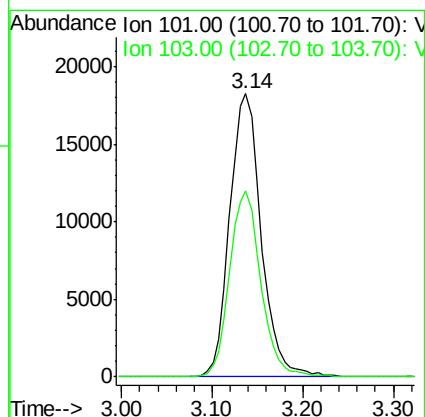
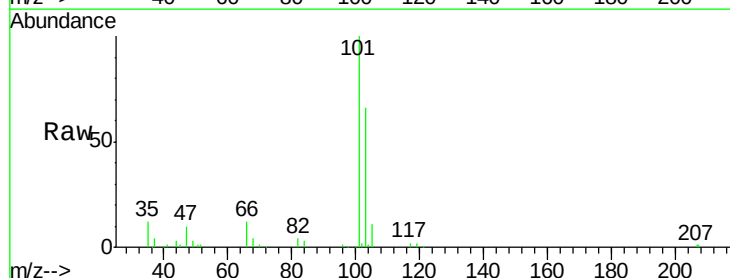
Acq: 14 Dec 2020 12:24

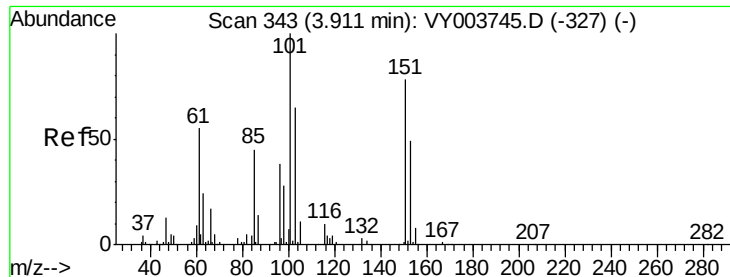
Tgt Ion: 101 Resp: 44044

Ion Ratio Lower Upper

101 100

103 65.2 45.3 84.1





#11

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

Concen: 5.704 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00579

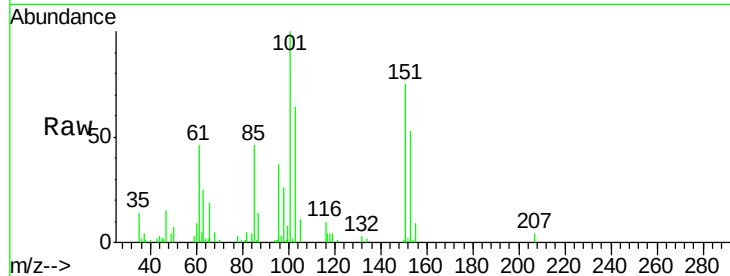
Tgt Ion:101 Resp: 26804

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.6

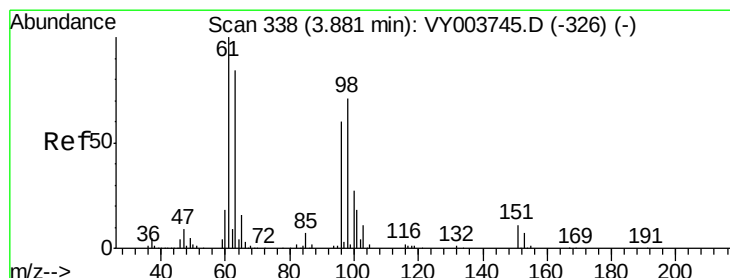
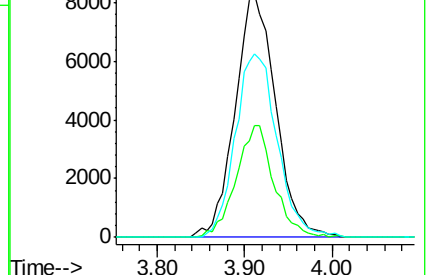
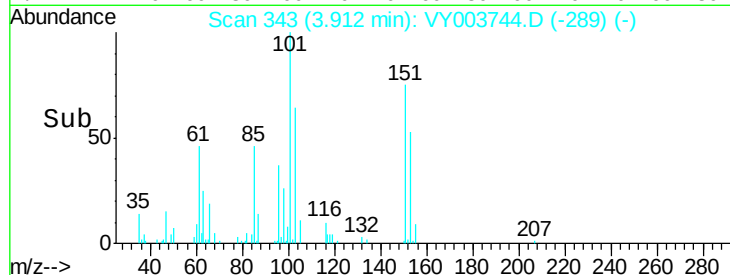
151 77.4 62.1 93.1



Abundance Ion 101.00 (100.70 to 101.70): VY003744.D (-289) (-)

Ion 85.00 (84.70 to 85.70): VY003744.D (-289) (-)

Ion 151.00 (150.70 to 151.70): VY003744.D (-289) (-)



#12

1,1-Dichloroethene

Concen: 5.680 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

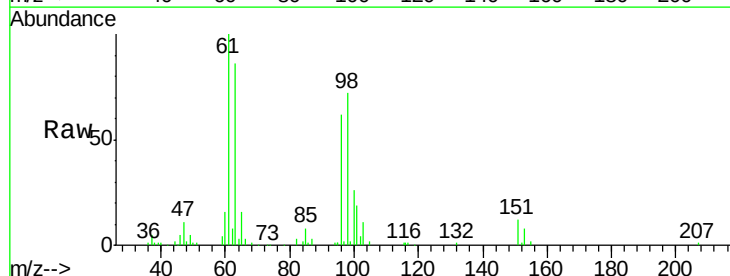
Tgt Ion: 96 Resp: 25020

Ion Ratio Lower Upper

96 100

61 162.1 117.3 217.9

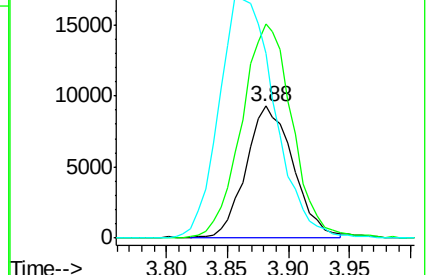
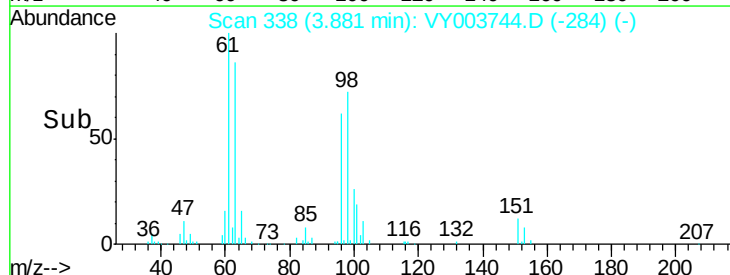
63 139.7 99.5 184.7

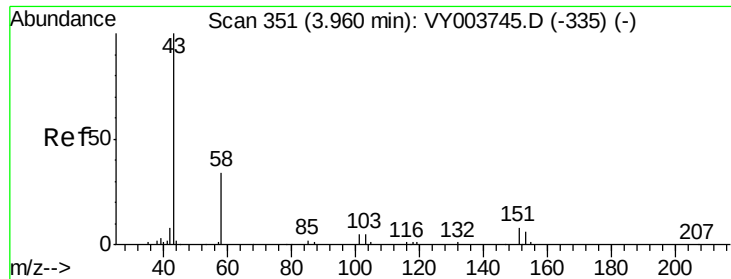


Abundance Ion 96.00 (95.70 to 96.70): VY003744.D (-284) (-)

Ion 61.00 (60.70 to 61.70): VY003744.D (-284) (-)

Ion 63.00 (62.70 to 63.70): VY003744.D (-284) (-)





#13

Acetone

Concen: 10.940 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

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ClientSampleId :

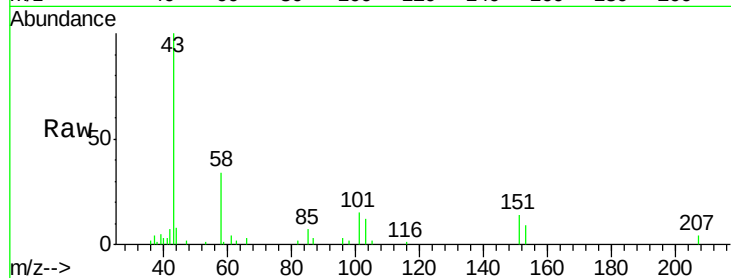
VSTD00579

Tgt Ion: 43 Resp: 15074

Ion Ratio Lower Upper

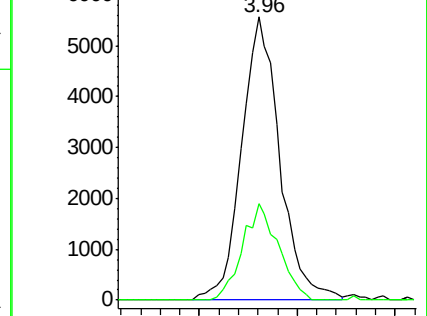
43 100

58 32.0 0.0 65.4

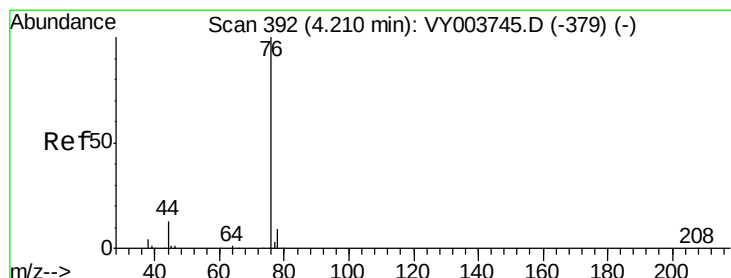
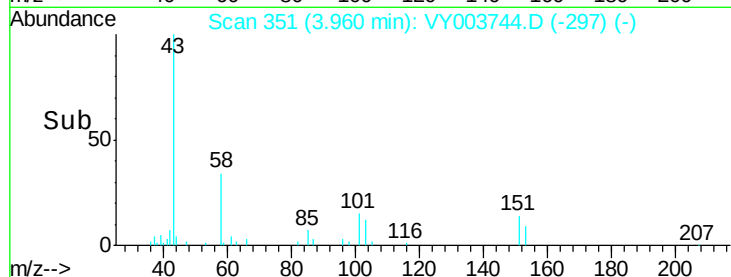


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#14

Carbon disulfide

Concen: 5.899 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003744.D

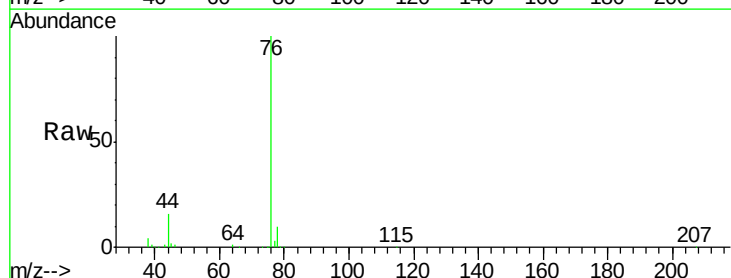
Acq: 14 Dec 2020 12:24

Tgt Ion: 76 Resp: 88093

Ion Ratio Lower Upper

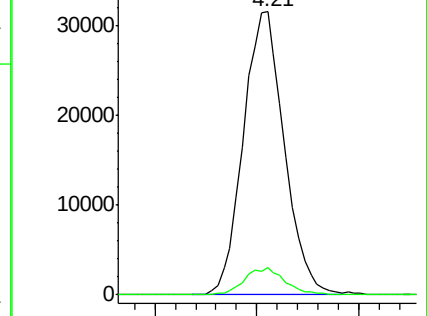
76 100

78 9.6 7.0 10.6

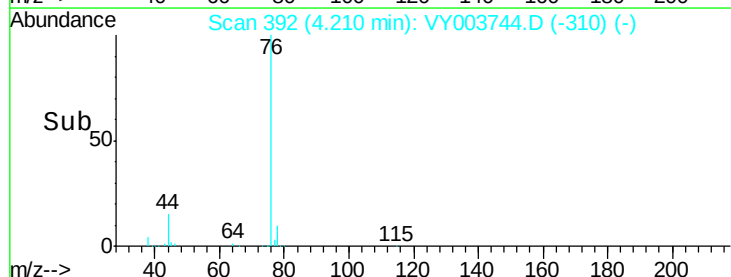


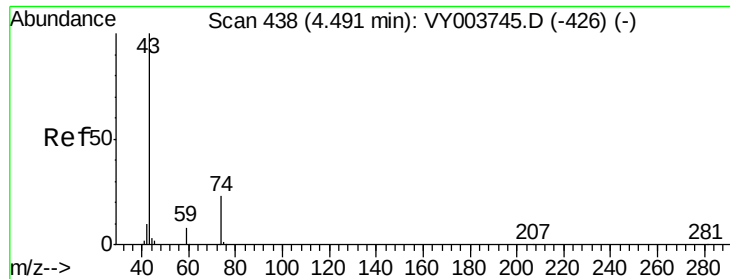
Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0



Time-->

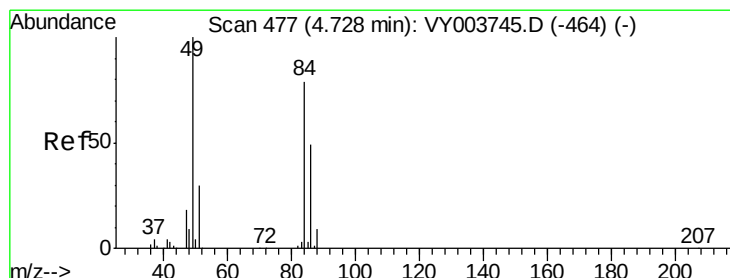
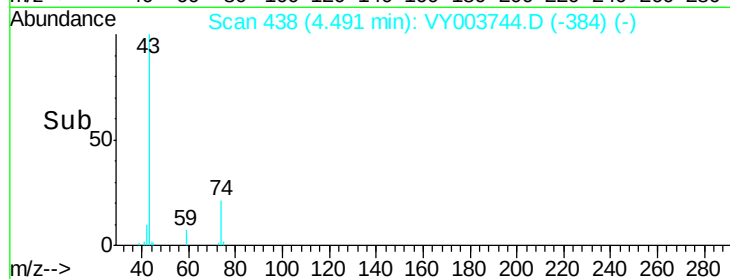
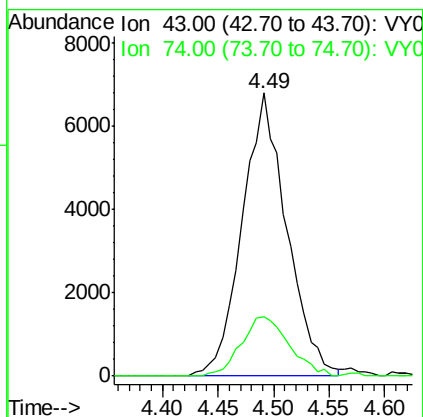
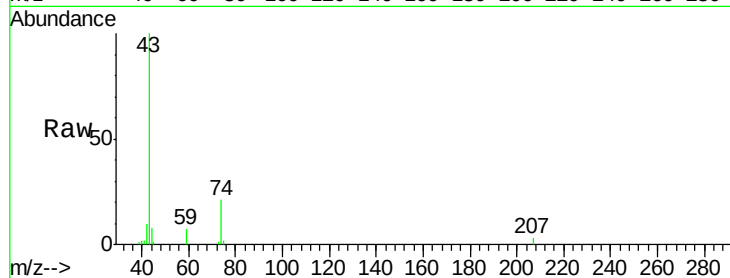




#15
Methyl Acetate
Concen: 5.441 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.00 min
Lab File: VY003744.D
Acq: 14 Dec 2020 12:24

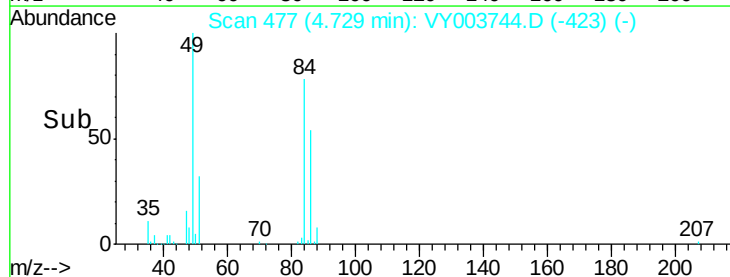
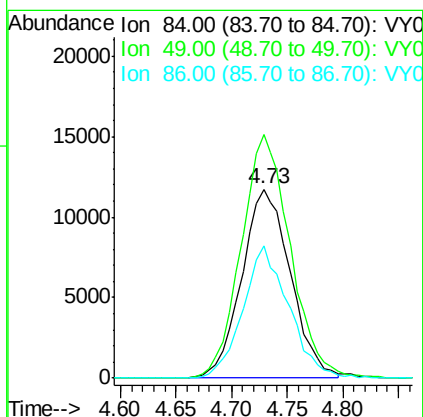
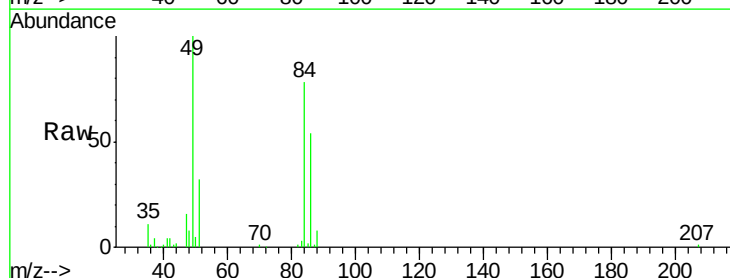
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

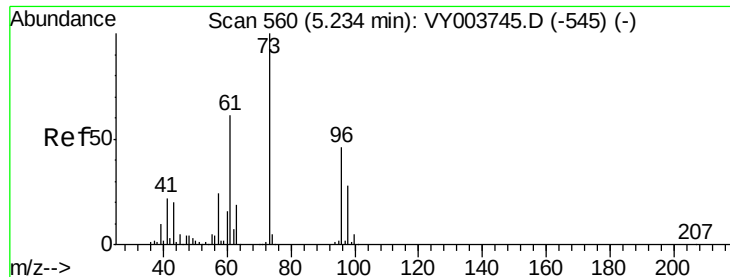
Tgt Ion: 43 Resp: 18932
Ion Ratio Lower Upper
43 100
74 22.6 17.7 26.5



#16
Methylene chloride
Concen: 5.541 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003744.D
Acq: 14 Dec 2020 12:24

Tgt Ion: 84 Resp: 35709
Ion Ratio Lower Upper
84 100
49 128.7 88.2 163.8
86 69.6 43.0 79.8

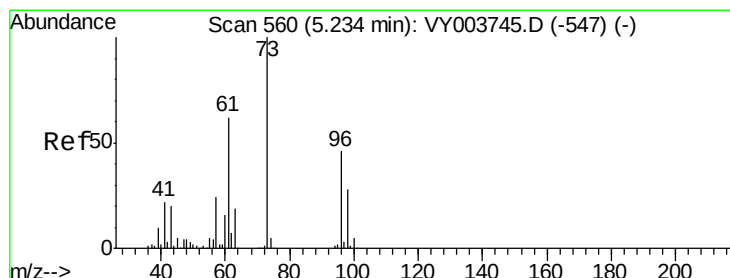
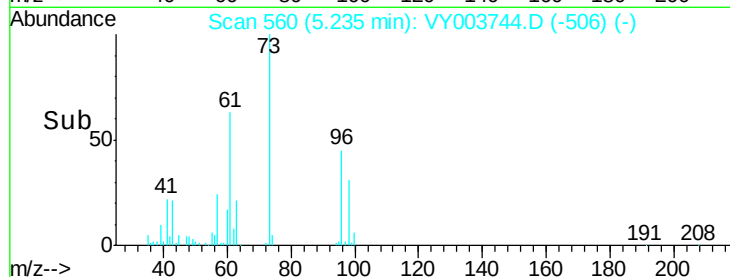
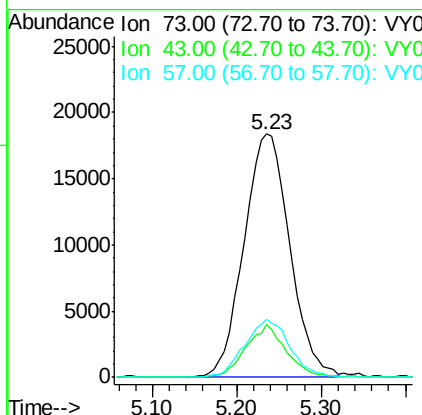
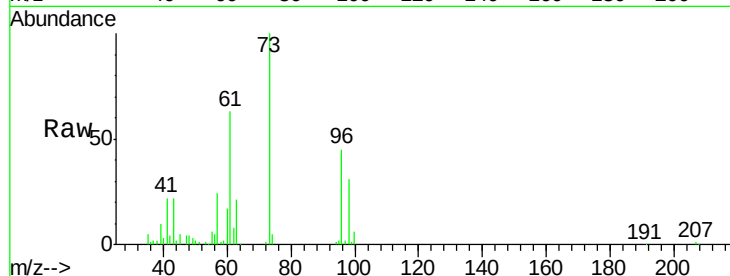




#17
Methyl tert-butyl Ether
Concen: 5.457 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003744.D
Acq: 14 Dec 2020 12:24

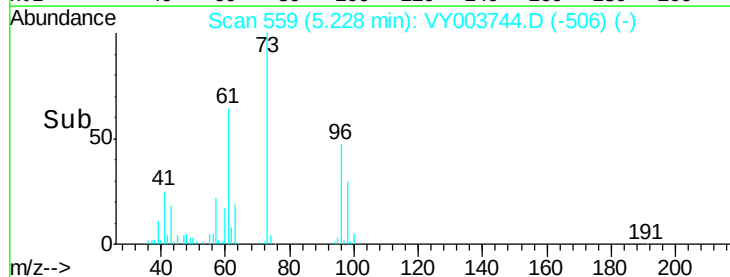
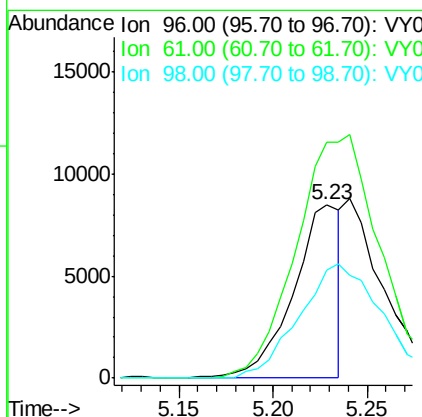
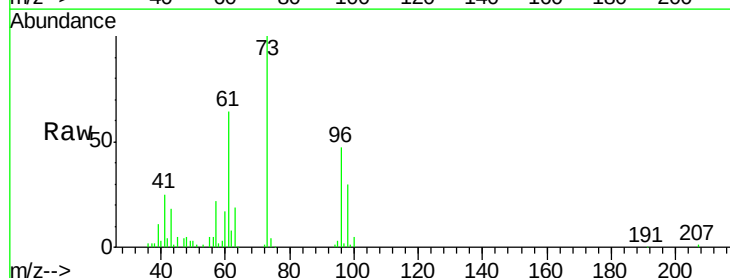
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

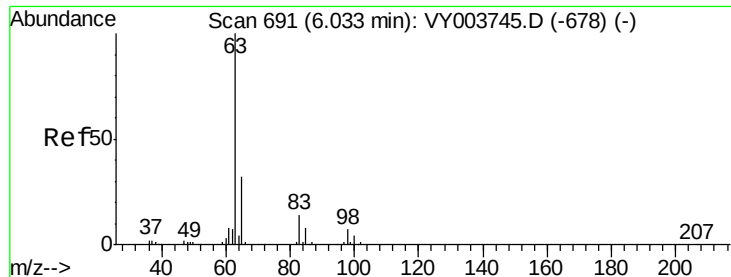
Tgt Ion: 73 Resp: 68391
Ion Ratio Lower Upper
73 100
43 19.0 15.5 23.3
57 23.3 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 2.999 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003744.D
Acq: 14 Dec 2020 12:24

Tgt Ion: 96 Resp: 14875
Ion Ratio Lower Upper
96 100
61 135.6 93.9 174.5
98 62.4 43.5 80.7

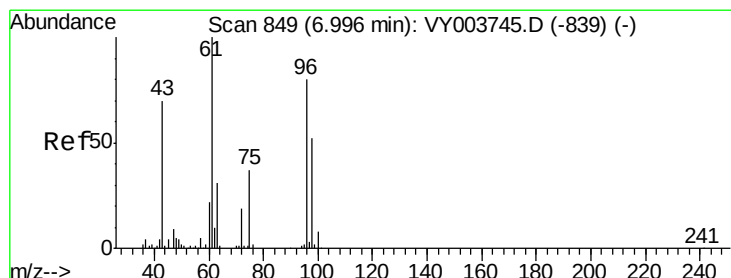
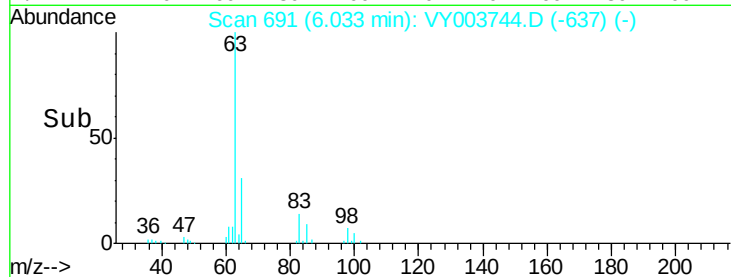
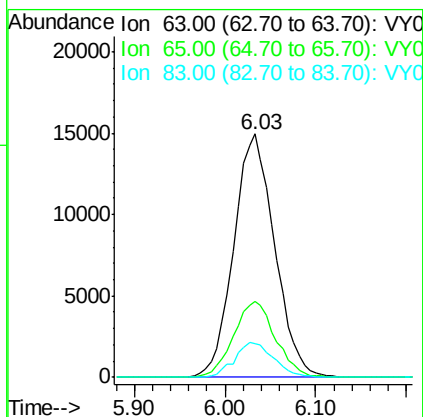
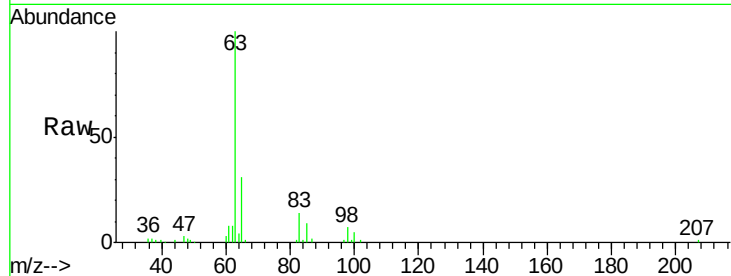




#19
 1,1-Dichloroethane
 Concen: 5.557 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

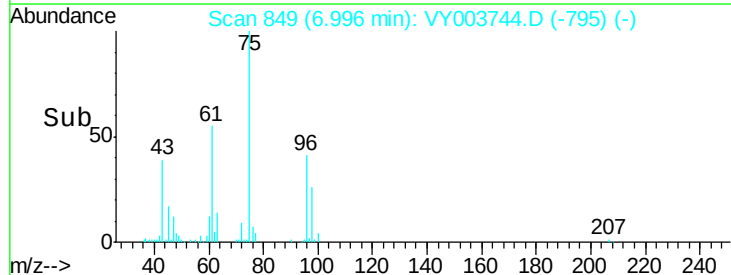
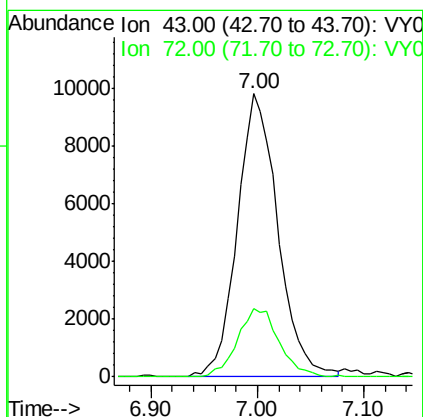
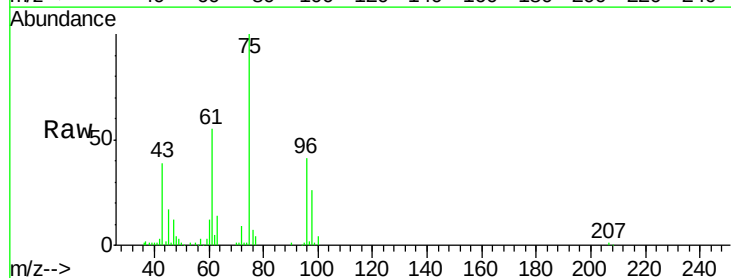
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

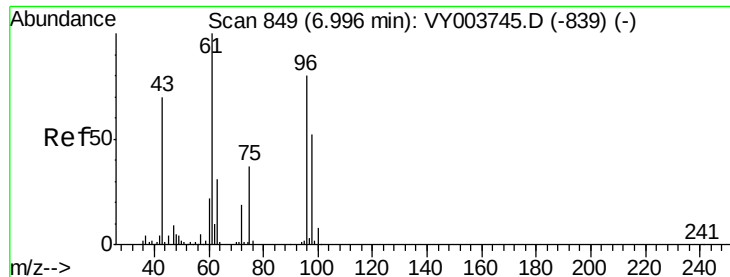
Tgt Ion: 63 Resp: 46711
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.3 41.3
 83 14.1 9.4 17.6



#21
 2-Butanone
 Concen: 10.863 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

Tgt Ion: 43 Resp: 26345
 Ion Ratio Lower Upper
 43 100
 72 24.6 13.0 39.0





#22

cis-1,2-Dichloroethene

Concen: 5.482 ug/L

RT: 7.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00579

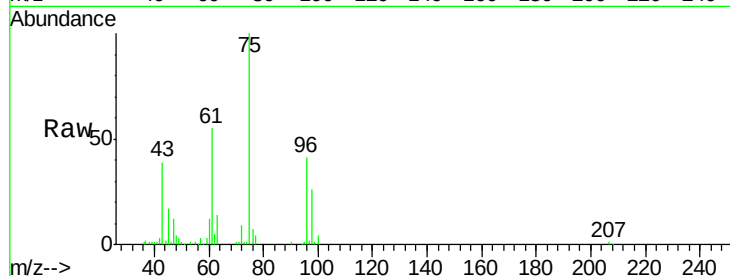
Tgt Ion: 96 Resp: 28888

Ion Ratio Lower Upper

96 100

61 132.4 88.0 163.4

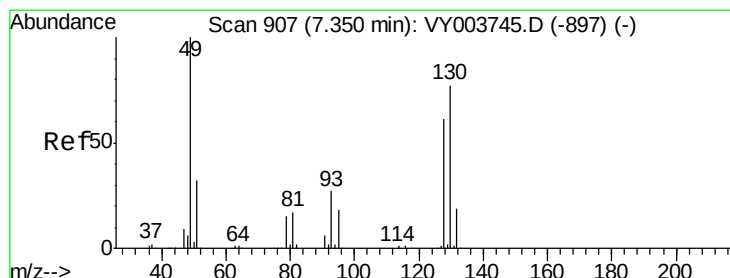
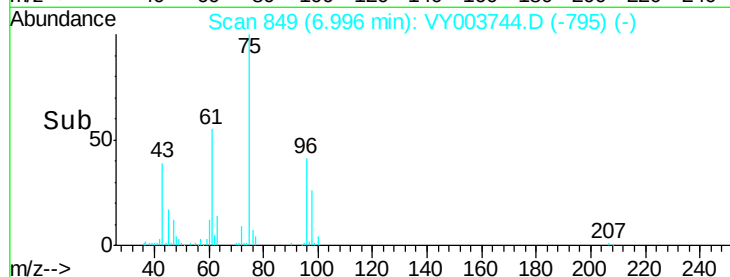
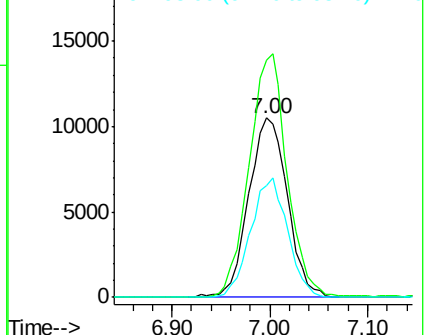
98 62.2 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VY003744.D (-839) (-)

Ion 61.00 (60.70 to 61.70): VY003744.D (-839) (-)

Ion 98.00 (97.70 to 98.70): VY003744.D (-839) (-)



#23

Bromochloromethane

Concen: 5.137 ug/L

RT: 7.34 min Scan# 906

Delta R.T. -0.01 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Tgt Ion: 128 Resp: 13499

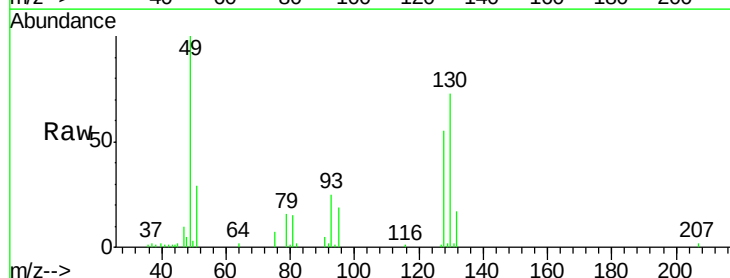
Ion Ratio Lower Upper

128 100

49 182.5 115.1 213.8

130 133.2 88.9 165.1

51 53.0 41.6 62.4

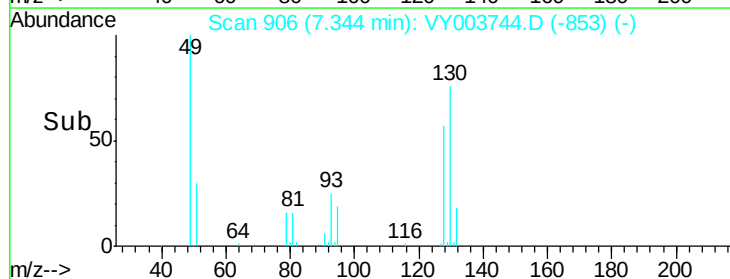
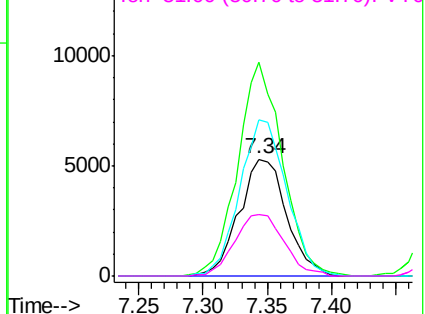


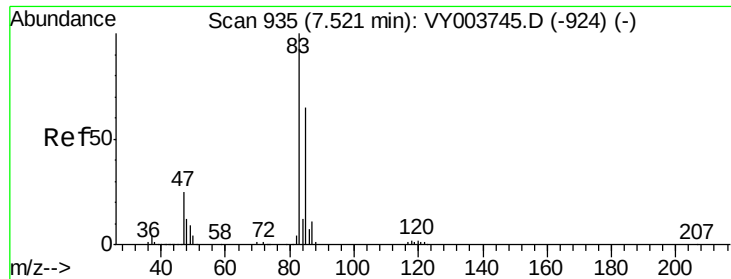
Abundance Ion 128.00 (127.70 to 128.70): VY003744.D (-853) (-)

Ion 49.00 (48.70 to 49.70): VY003744.D (-853) (-)

Ion 130.00 (129.70 to 130.70): VY003744.D (-853) (-)

Ion 51.00 (50.70 to 51.70): VY003744.D (-853) (-)





#25

Chloroform

Concen: 5.479 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.01 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

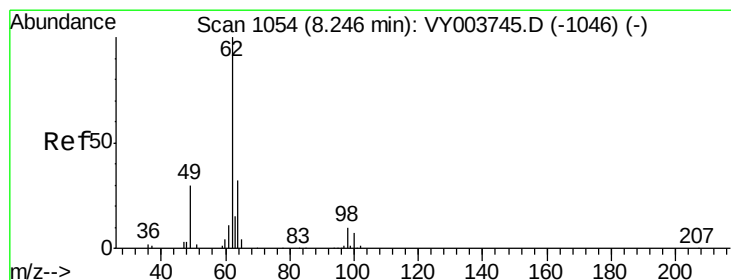
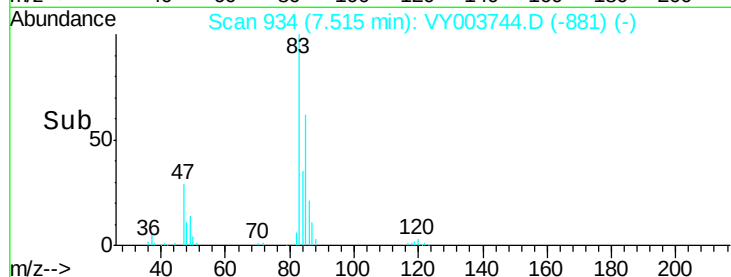
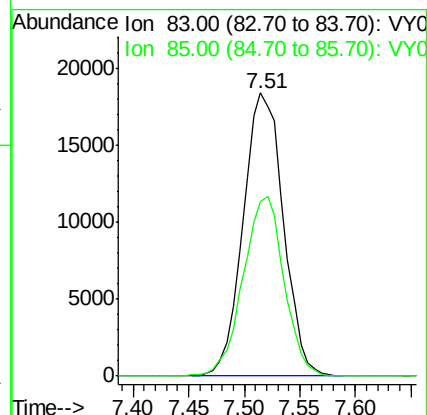
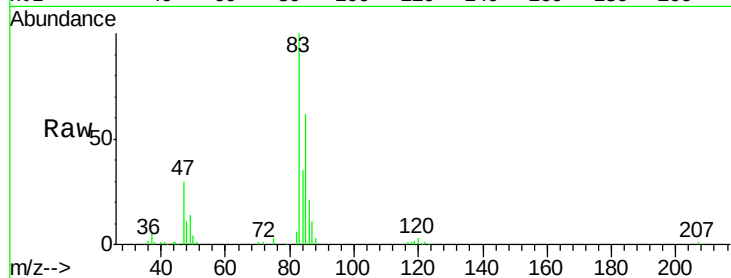
VSTD00579

Tgt Ion: 83 Resp: 46274

Ion Ratio Lower Upper

83 100

85 64.4 46.5 86.3



#27

1,2-Dichloroethane

Concen: 5.715 ug/L

RT: 8.25 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY003744.D

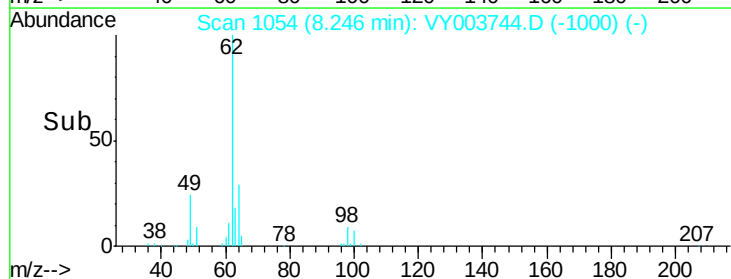
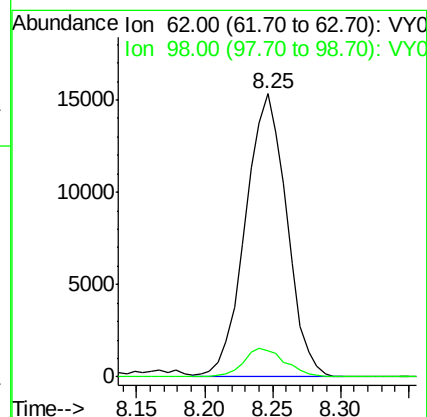
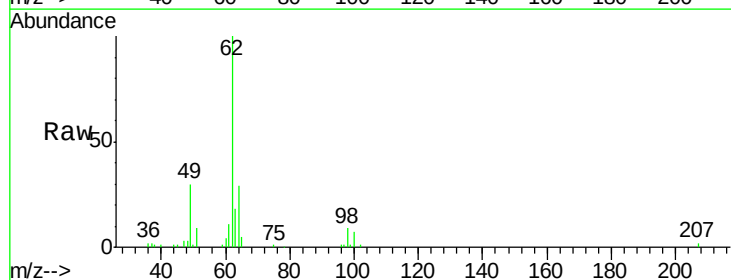
Acq: 14 Dec 2020 12:24

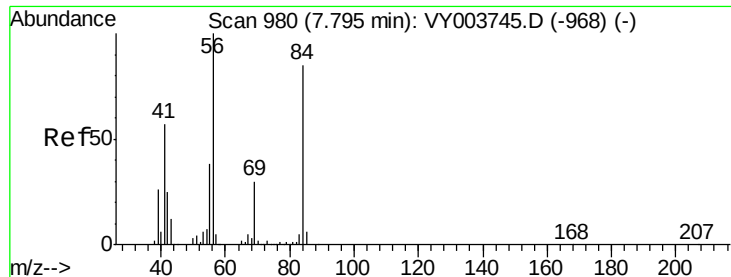
Tgt Ion: 62 Resp: 32701

Ion Ratio Lower Upper

62 100

98 9.2 8.3 12.5

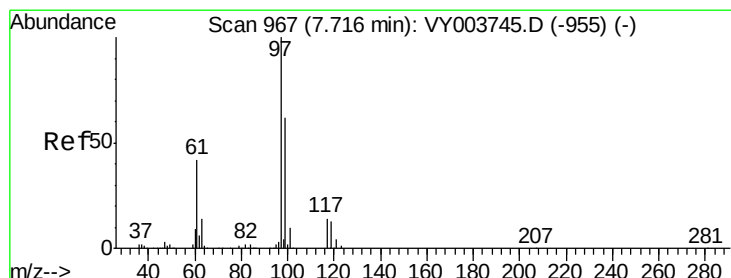
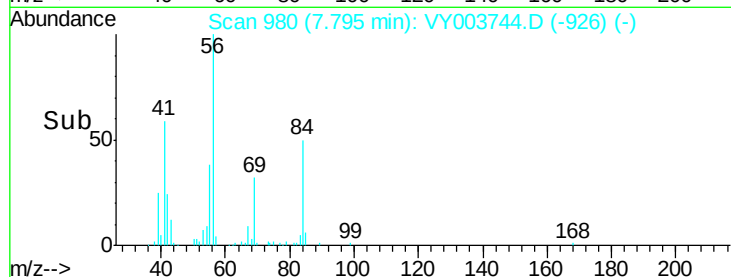
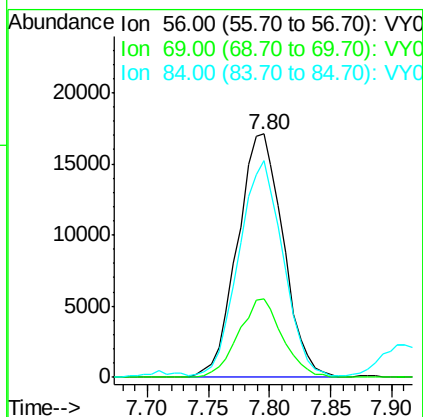
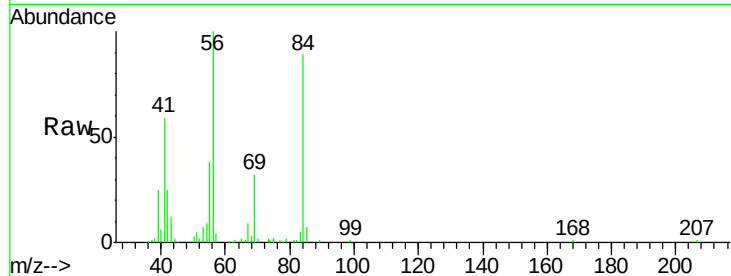




#30
Cyclohexane
Concen: 5.848 ug/L
RT: 7.80 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY003744.D
Acq: 14 Dec 2020 12:24

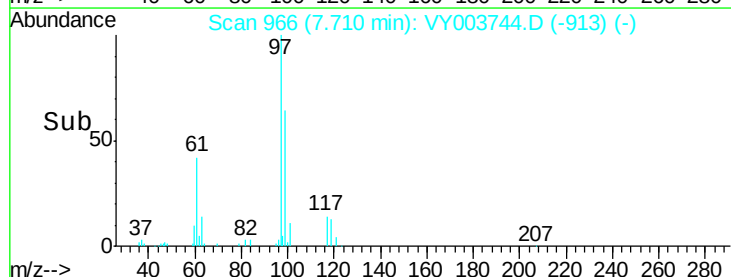
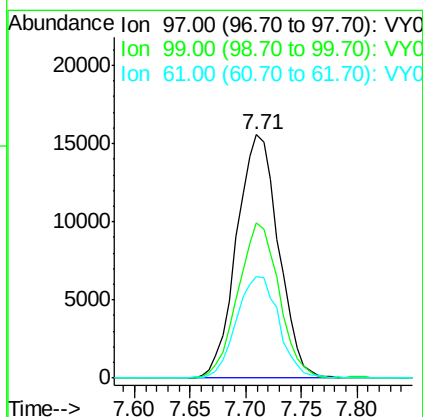
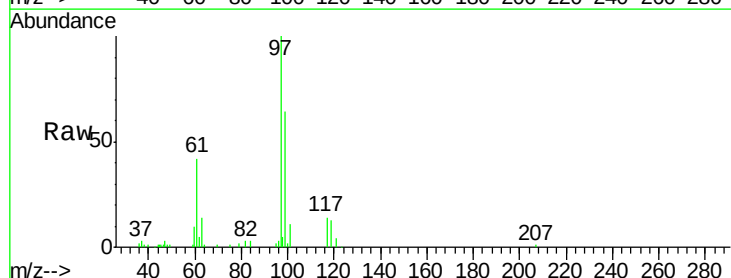
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

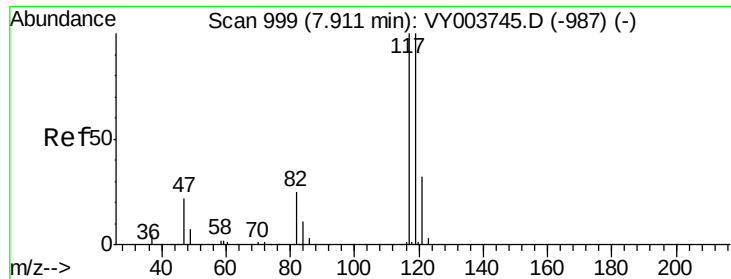
Tgt Ion: 56 Resp: 44384
Ion Ratio Lower Upper
56 100
69 31.0 23.4 35.0
84 87.0 68.6 103.0



#31
1,1,1-Trichloroethane
Concen: 5.526 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.01 min
Lab File: VY003744.D
Acq: 14 Dec 2020 12:24

Tgt Ion: 97 Resp: 40671
Ion Ratio Lower Upper
97 100
99 62.5 50.8 76.2
61 42.5 34.1 51.1





#32

Carbon tetrachloride

Concen: 5.548 ug/L

RT: 7.91 min Scan# 999

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

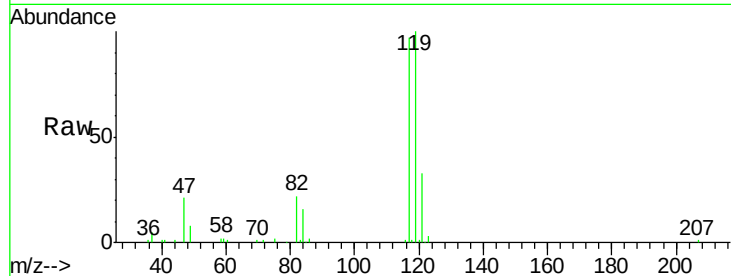
VSTD00579

Tgt Ion:117 Resp: 36018

Ion Ratio Lower Upper

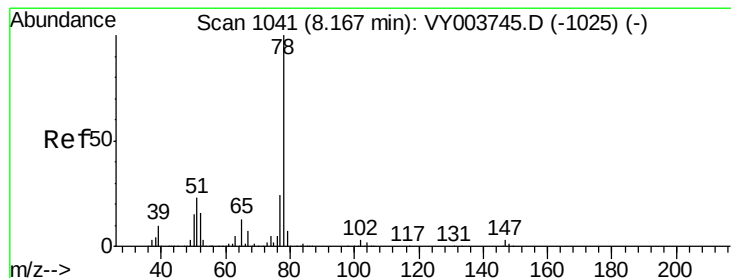
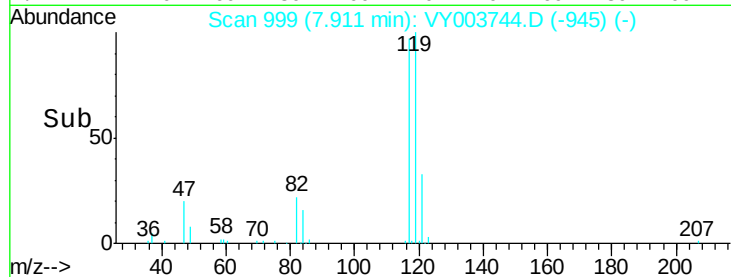
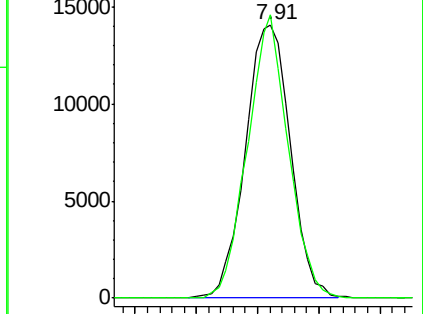
117 100

119 93.7 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: 5.540 ug/L

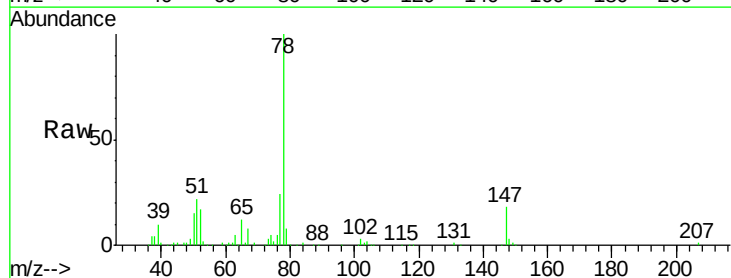
RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

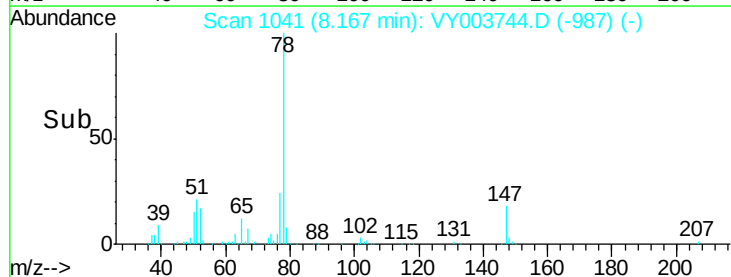
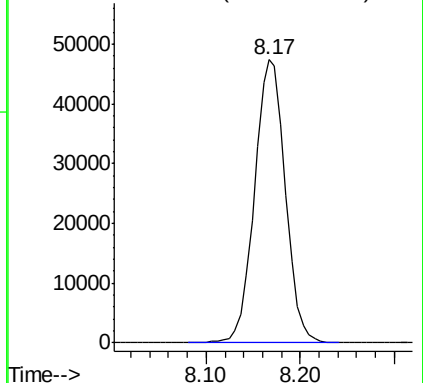
Lab File: VY003744.D

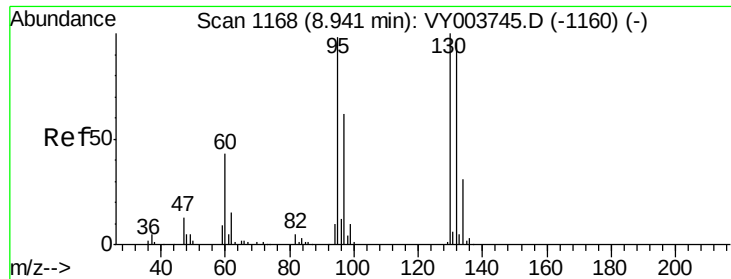
Acq: 14 Dec 2020 12:24

Tgt Ion: 78 Resp: 108549



Abundance Ion 78.00 (77.70 to 78.70): VY0

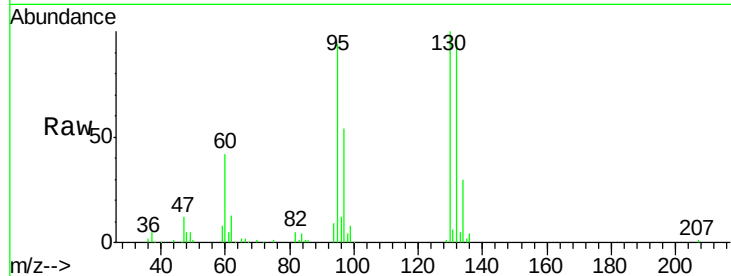




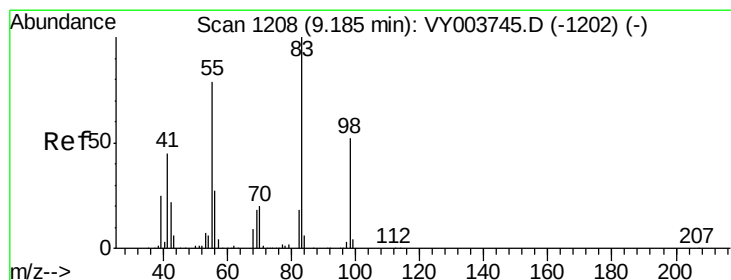
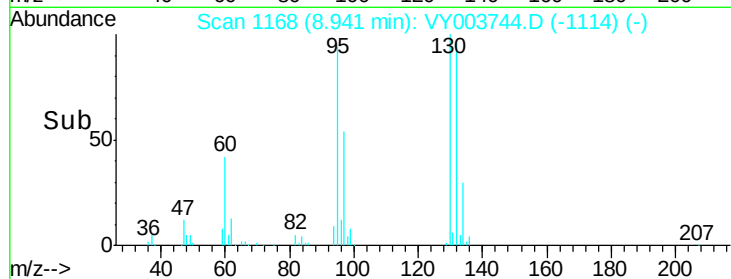
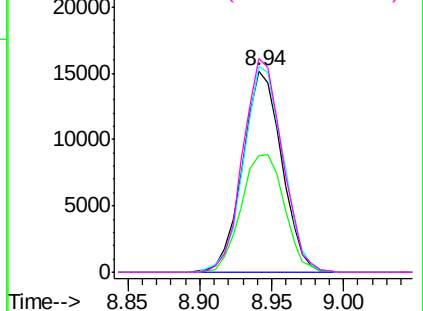
#35
 Trichloroethene
 Concen: 5.311 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

Tgt Ion:	95	Resp:	28510
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.4	84.4
132	103.2	70.8	131.4
130	106.7	74.1	137.7

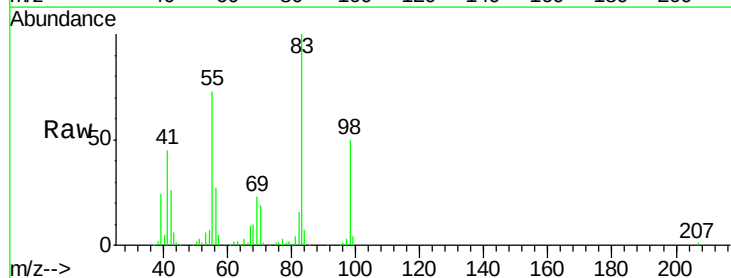


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

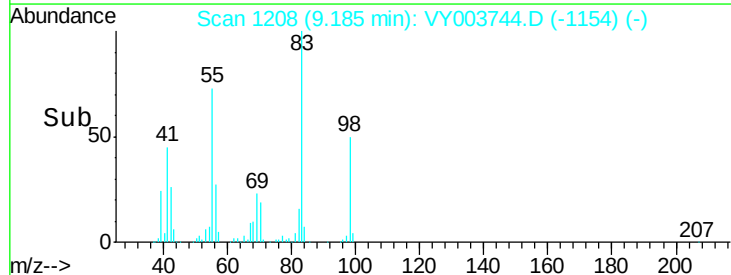
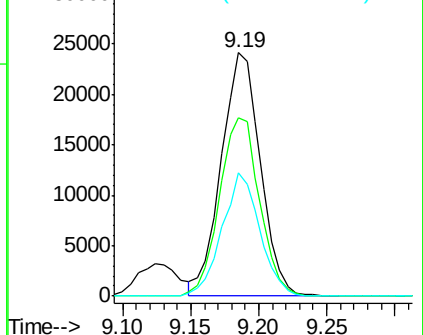


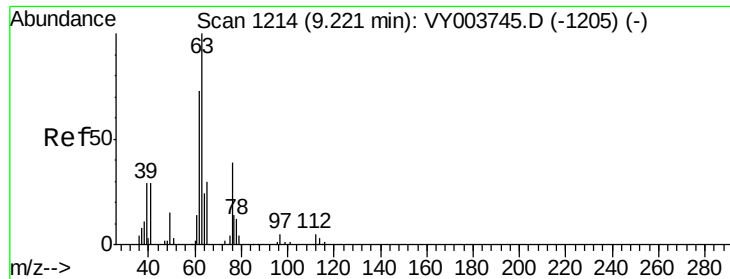
#36
 Methylcyclohexane
 Concen: 5.779 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

Tgt Ion:	83	Resp:	48189
Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.3	90.5
98	48.8	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

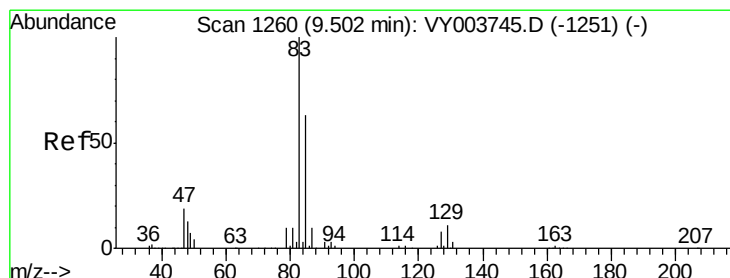
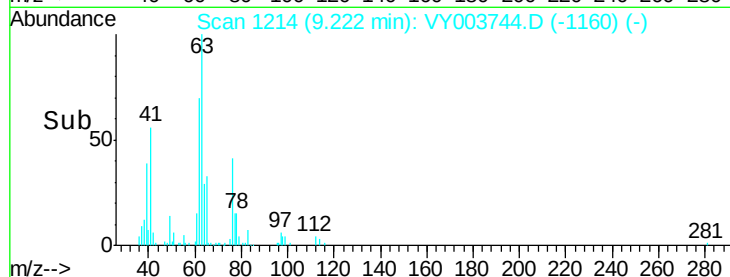
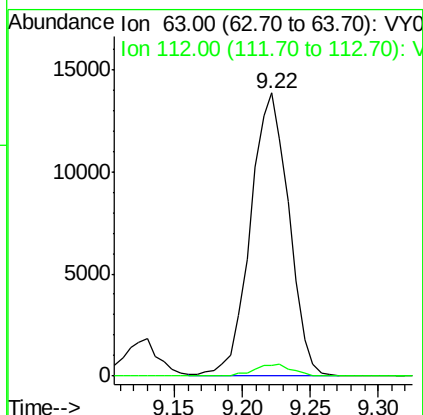
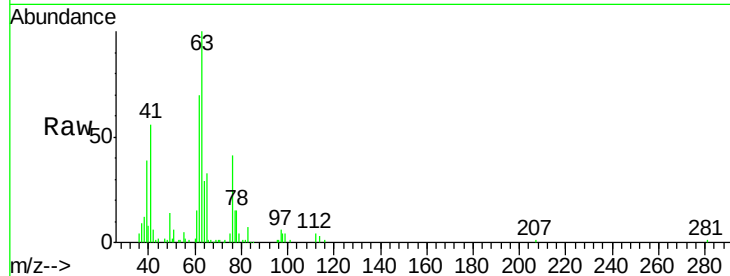




#40
 1,2-Dichloropropane
 Concen: 5.552 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

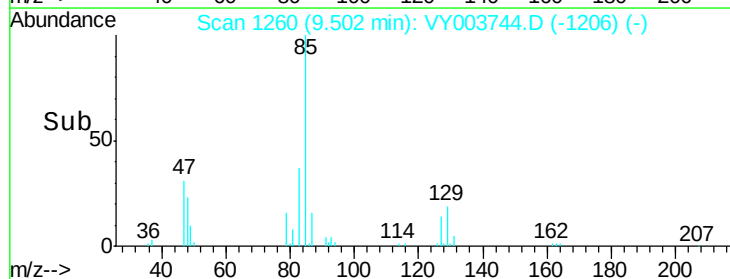
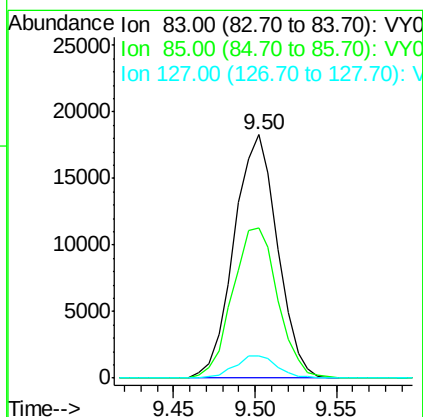
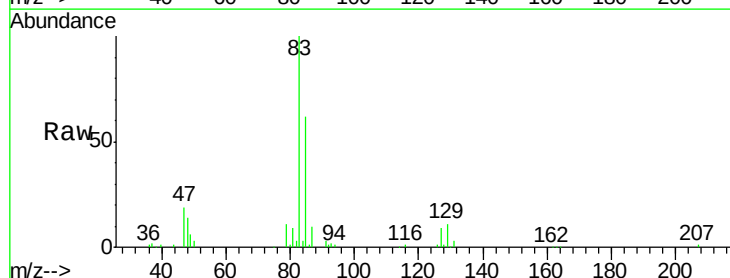
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

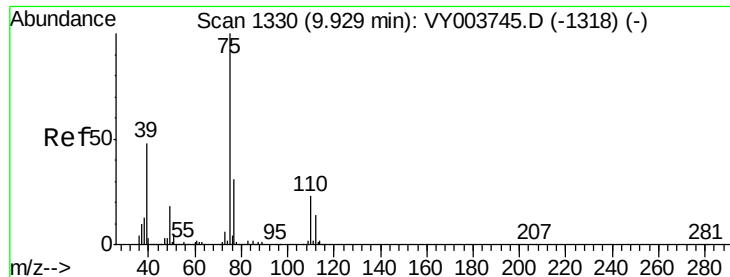
Tgt Ion: 63 Resp: 27460
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#41
 Bromodichloromethane
 Concen: 5.417 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

Tgt Ion: 83 Resp: 33885
 Ion Ratio Lower Upper
 83 100
 85 61.9 44.2 82.2
 127 9.0 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 5.453 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampled :

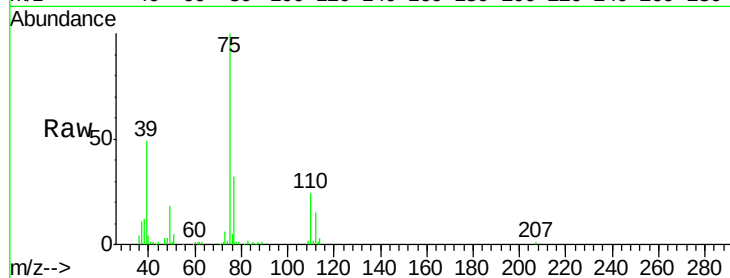
VSTD00579

Tgt Ion: 75 Resp: 42469

Ion Ratio Lower Upper

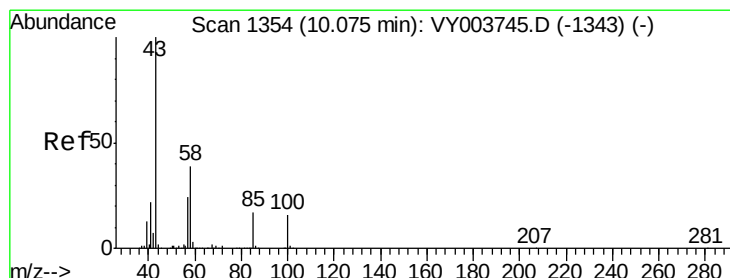
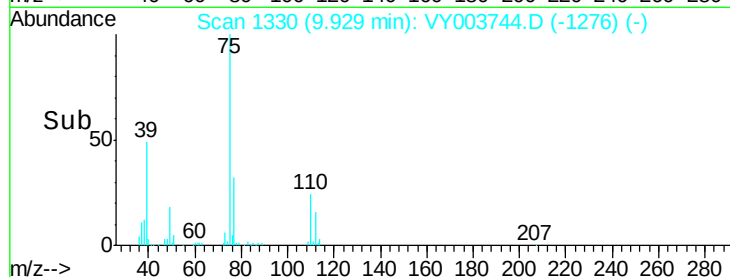
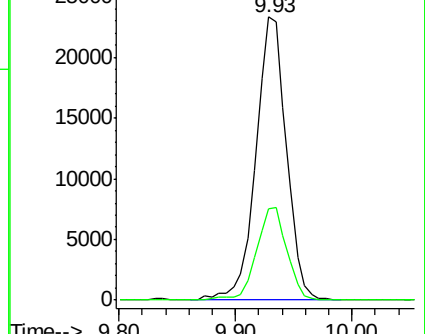
75 100

77 32.1 21.3 39.6



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#43

4-Methyl-2-pentanone

Concen: 11.338 ug/L

RT: 10.08 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

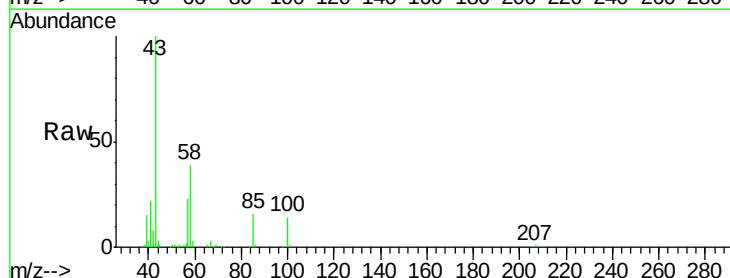
Tgt Ion: 43 Resp: 53200

Ion Ratio Lower Upper

43 100

58 37.6 30.8 46.2

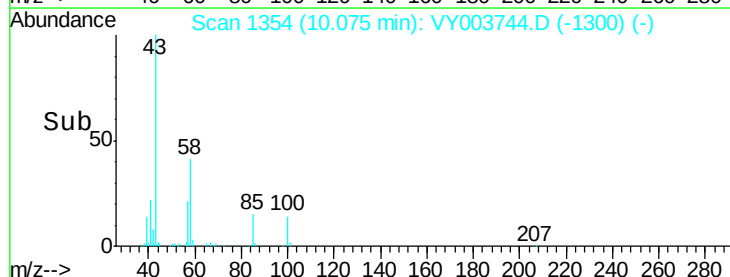
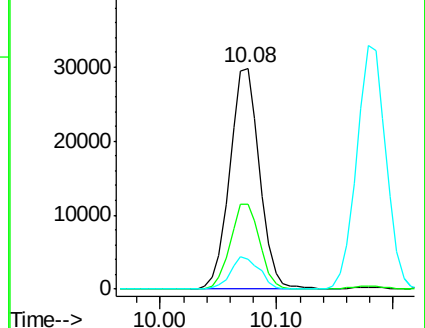
100 14.3 11.8 17.8

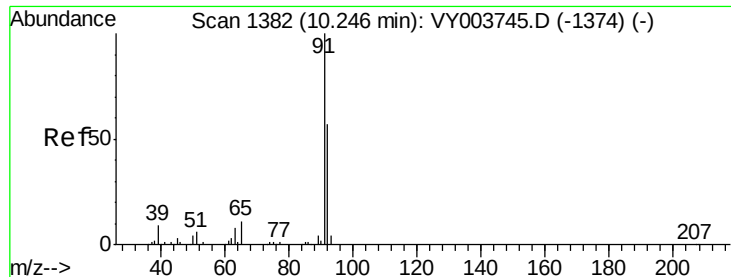


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#44

Toluene

Concen: 5.569 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

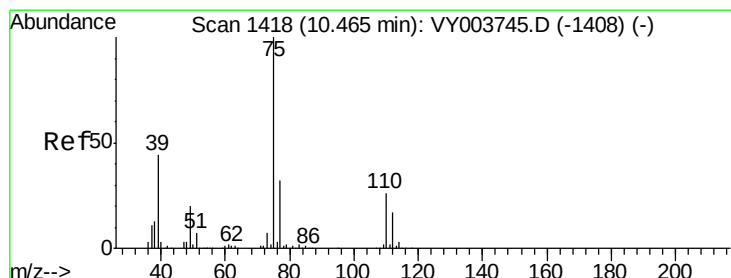
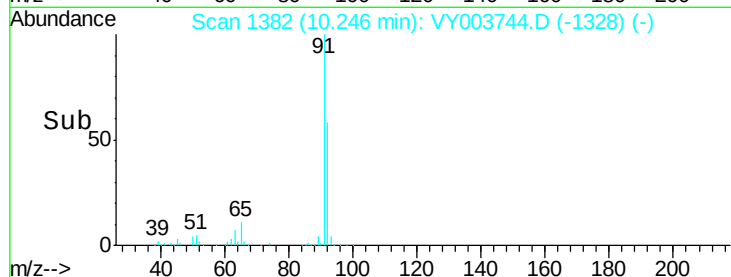
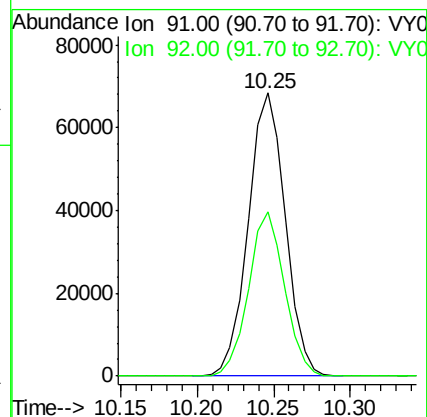
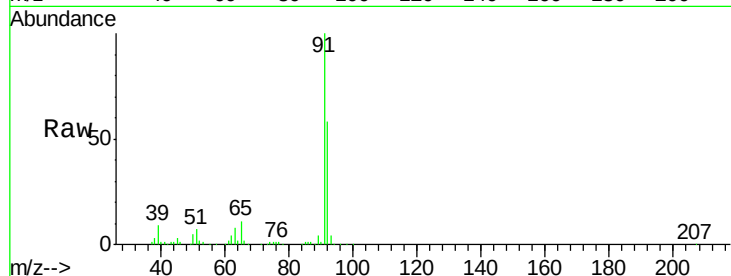
VSTD00579

Tgt Ion: 91 Resp: 114934

Ion Ratio Lower Upper

91 100

92 57.9 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 5.341 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003744.D

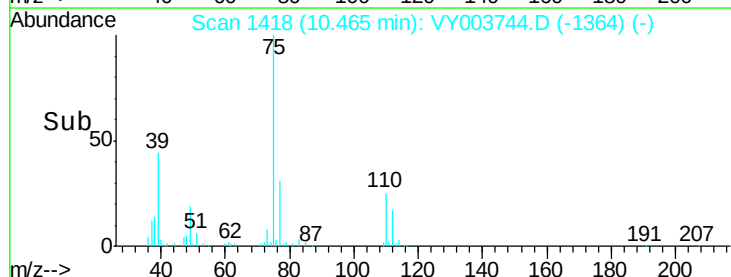
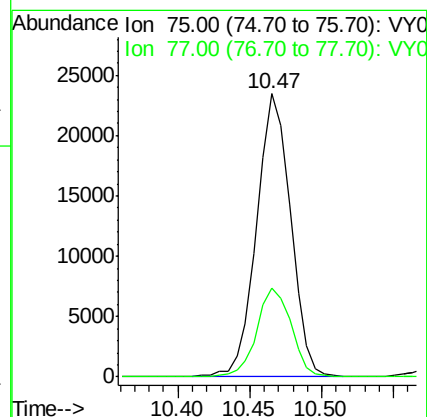
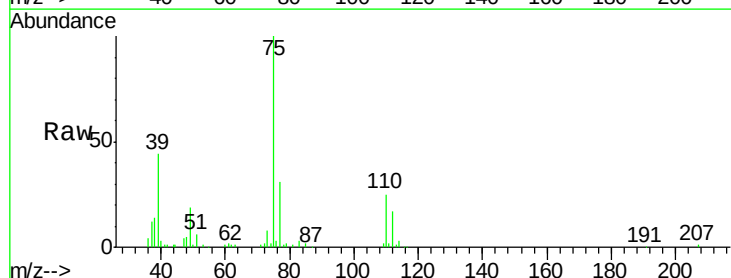
Acq: 14 Dec 2020 12:24

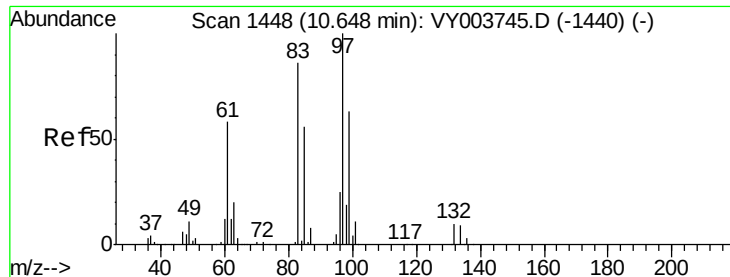
Tgt Ion: 75 Resp: 38357

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1

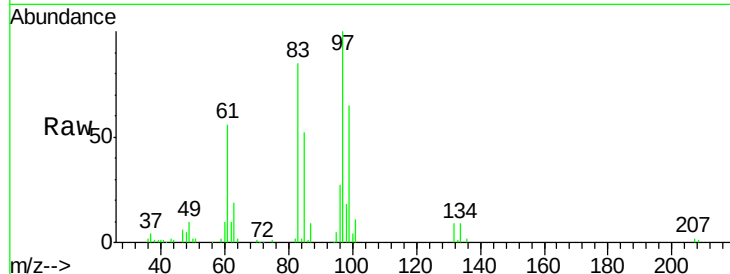




#46
 1,1,2-Trichloroethane
 Concen: 5.270 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

Tgt Ion:	97	Resp:	22259
Ion	Ratio	Lower	Upper
97	100		
83	84.7	60.0	111.4
85	52.1	38.9	72.2
99	64.6	44.4	82.4



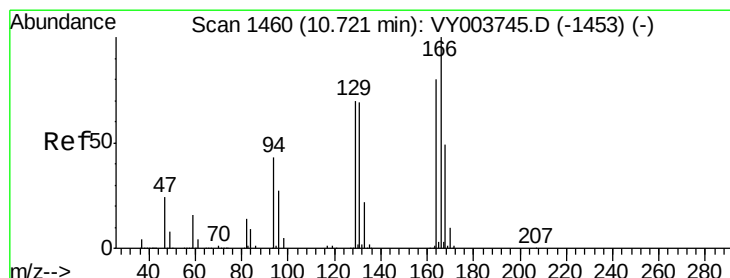
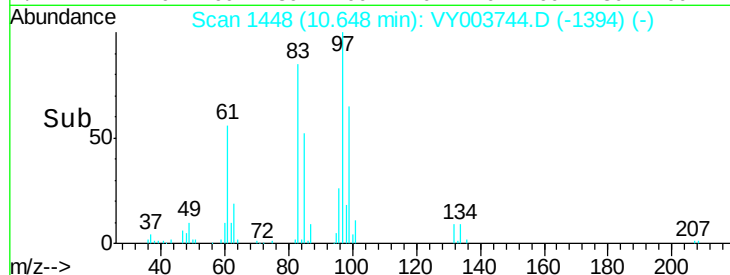
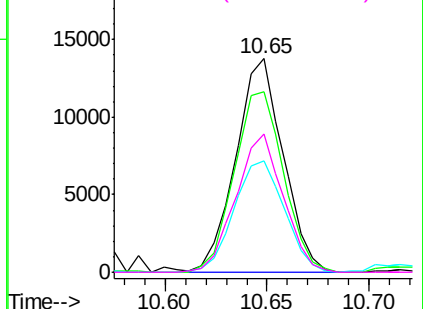
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

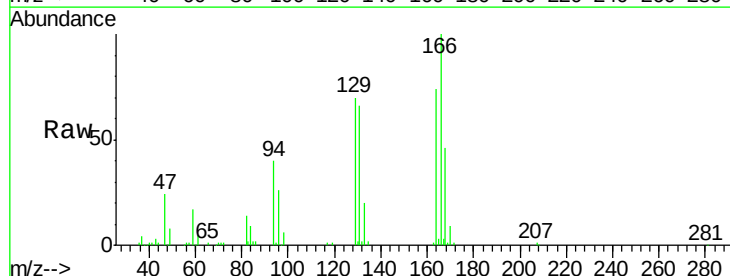
Ion 85.00 (84.70 to 85.70): VY0

Ion 99.00 (98.70 to 99.70): VY0



#47
 Tetrachloroethene
 Concen: 5.436 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

Tgt Ion:	164	Resp:	22649
Ion	Ratio	Lower	Upper
164	100		
129	93.8	61.3	113.9
131	89.2	60.4	112.2
166	134.4	87.8	163.0



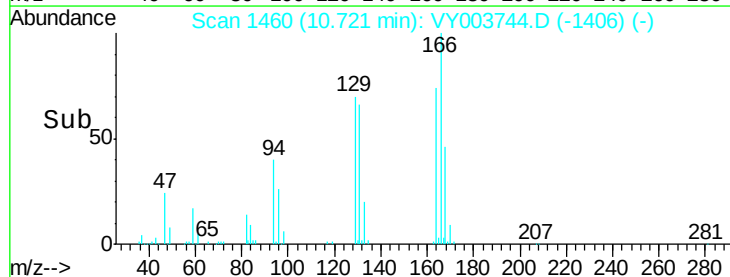
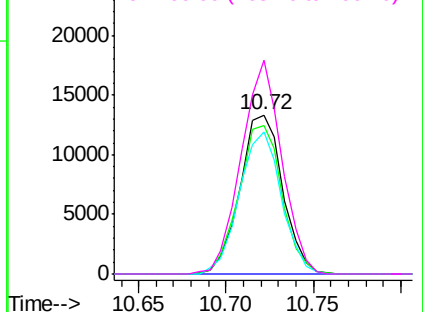
Abundance

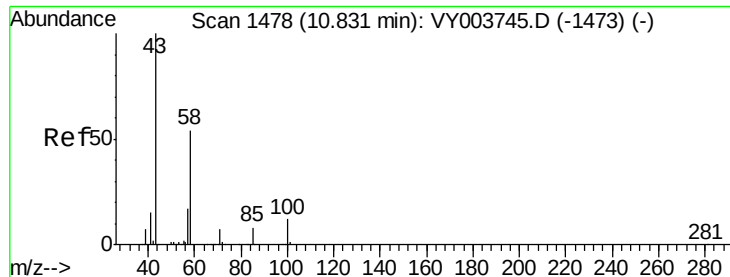
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

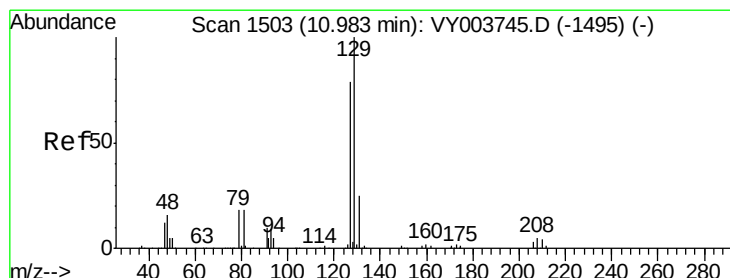
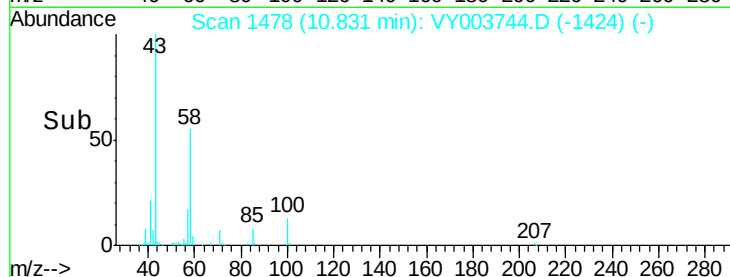
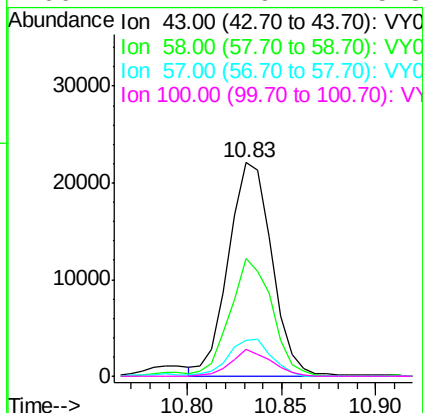
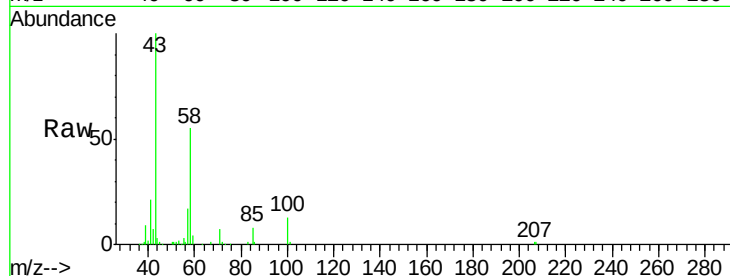




#49
2-Hexanone
Concen: 10.692 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003744.D
Acq: 14 Dec 2020 12:24

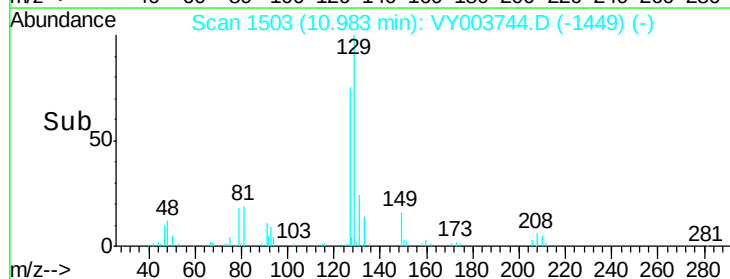
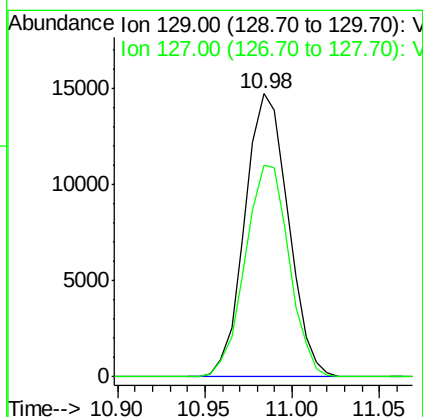
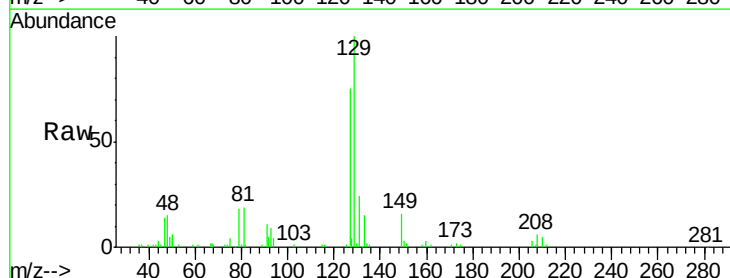
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

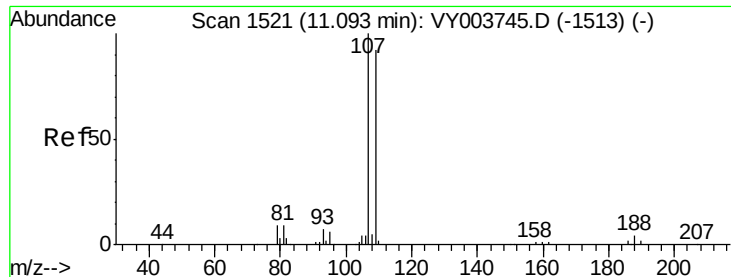
Tgt Ion:	43	Resp:	35323
Ion	Ratio	Lower	Upper
43	100		
58	53.1	43.0	64.4
57	17.3	14.1	21.1
100	11.7	9.2	13.8



#50
Dibromochloromethane
Concen: 5.165 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003744.D
Acq: 14 Dec 2020 12:24

Tgt Ion:	129	Resp:	25495
Ion	Ratio	Lower	Upper
129	100		
127	74.7	55.2	102.4

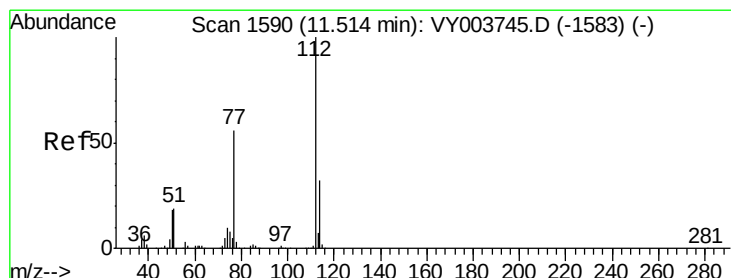
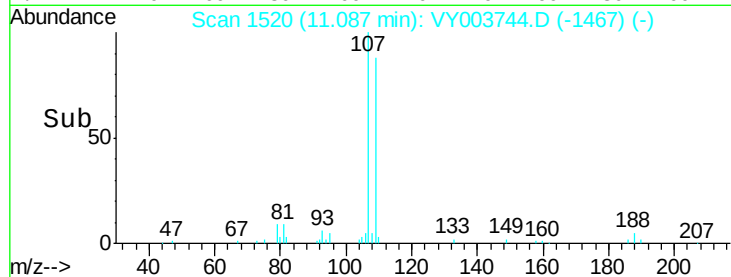
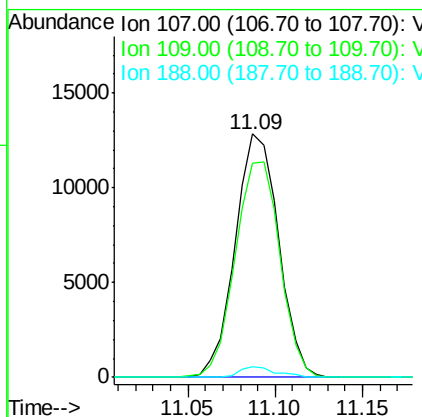
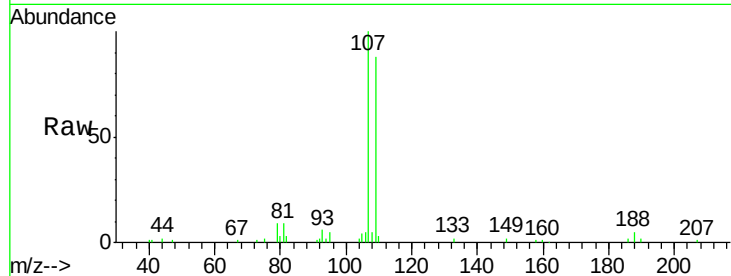




#51
1,2-Dibromoethane
Concen: 5.417 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.01 min
Lab File: VY003744.D
Acq: 14 Dec 2020 12:24

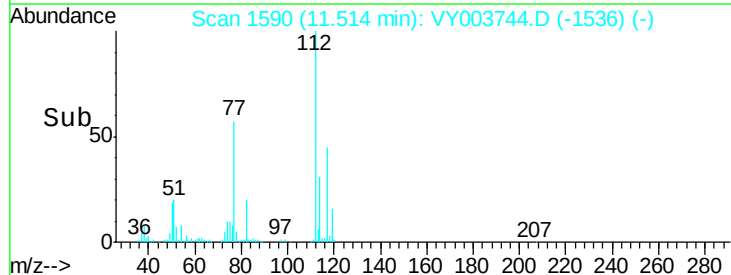
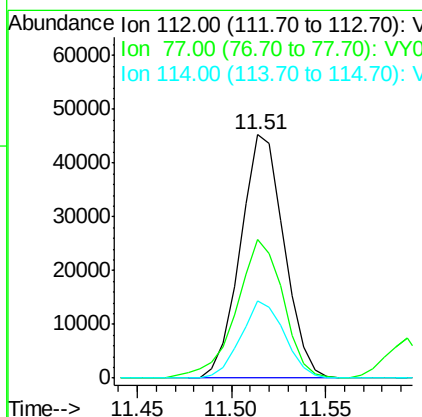
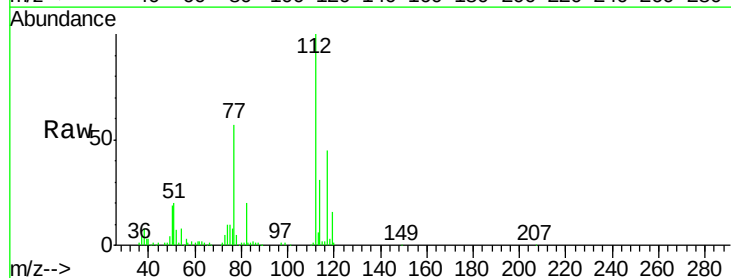
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00579

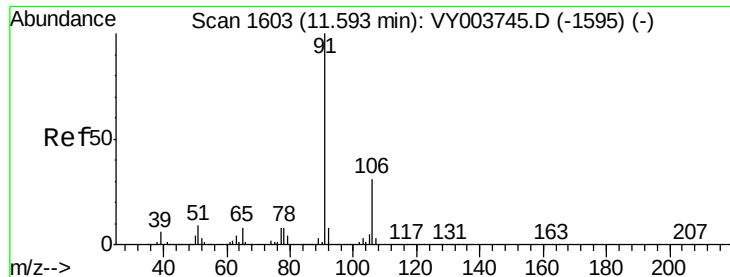
Tgt Ion:107 Resp: 22238
Ion Ratio Lower Upper
107 100
109 88.0 64.6 120.0
188 4.5 2.9 4.3#



#52
Chlorobenzene
Concen: 5.393 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VY003744.D
Acq: 14 Dec 2020 12:24

Tgt Ion:112 Resp: 72896
Ion Ratio Lower Upper
112 100
77 56.9 45.1 67.7
114 31.5 22.6 42.0





#53

Ethylbenzene

Concen: 5.470 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

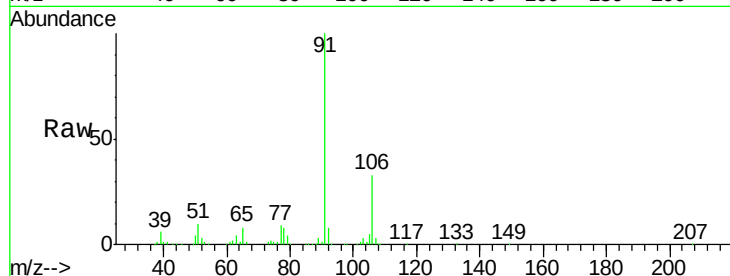
VSTD00579

Tgt Ion: 91 Resp: 123551

Ion Ratio Lower Upper

91 100

106 33.1 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VY003744.D (-1549) (-)

Ion 106.00 (105.70 to 106.70): VY003744.D (-1549) (-)

11.59

80000

60000

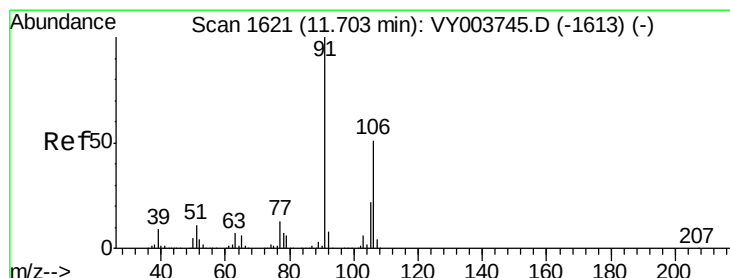
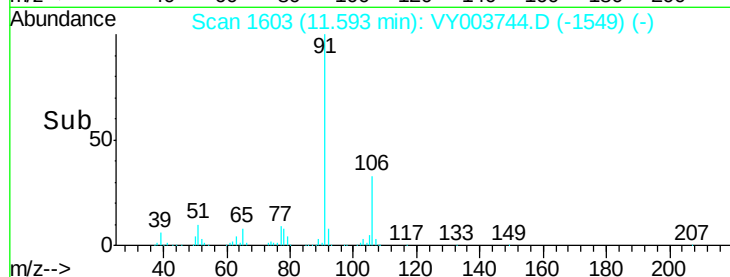
40000

20000

0

Time-->

11.55 11.60 11.65



#54

m,p-Xylene

Concen: 5.282 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003744.D

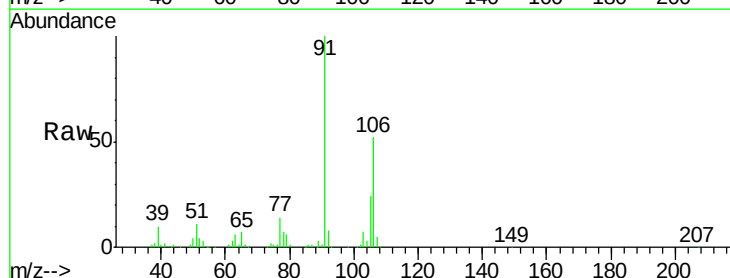
Acq: 14 Dec 2020 12:24

Tgt Ion: 106 Resp: 45832

Ion Ratio Lower Upper

106 100

91 193.2 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): VY003744.D (-1567) (-)

Ion 91.00 (90.70 to 91.70): VY003744.D (-1567) (-)

11.70

50000

40000

30000

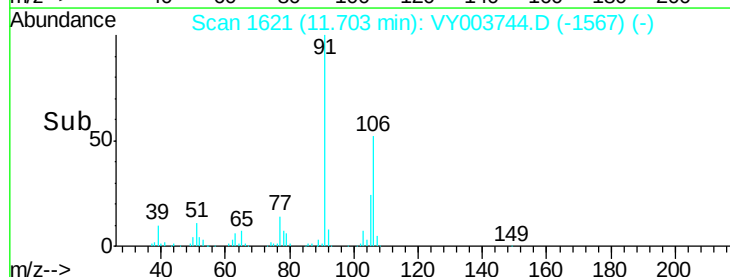
20000

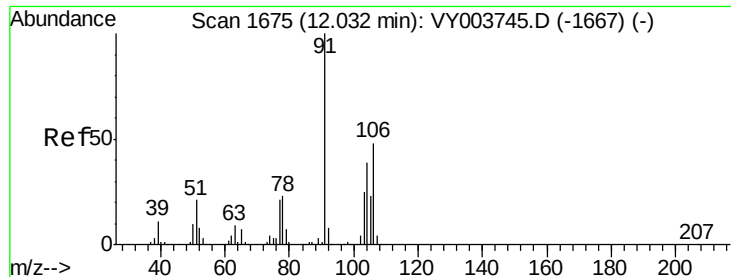
10000

0

Time-->

11.65 11.70 11.75





#55

o-xylene

Concen: 5.363 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

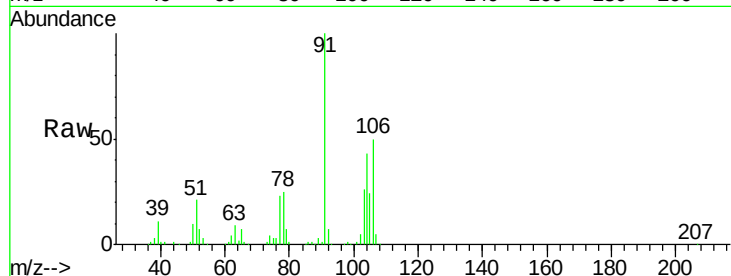
VSTD00579

Tgt Ion:106 Resp: 44659

Ion Ratio Lower Upper

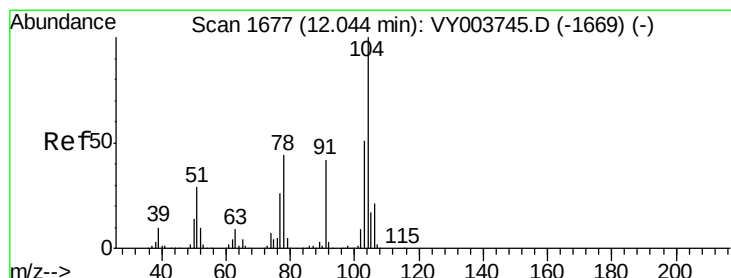
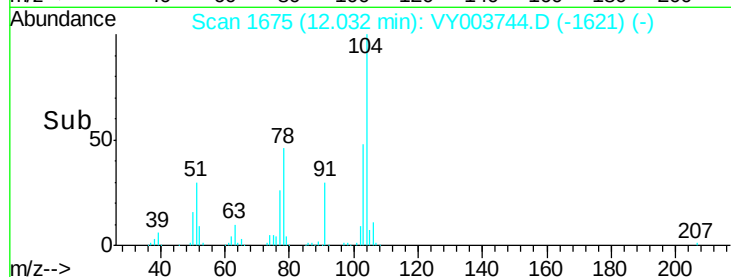
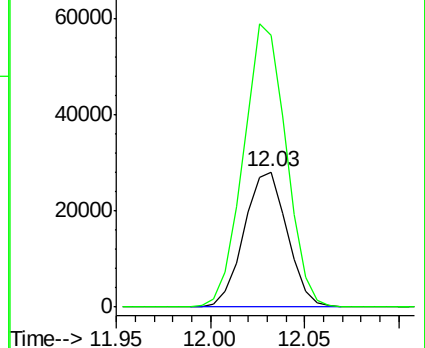
106 100

91 201.3 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 5.164 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003744.D

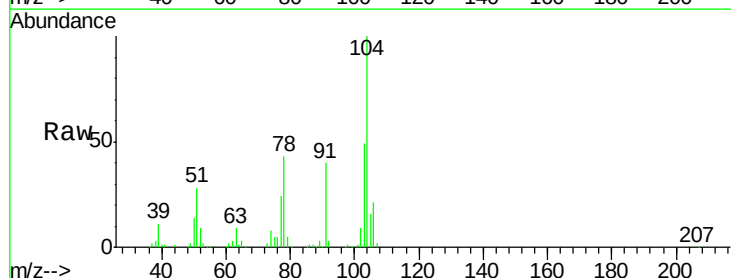
Acq: 14 Dec 2020 12:24

Tgt Ion:104 Resp: 73432

Ion Ratio Lower Upper

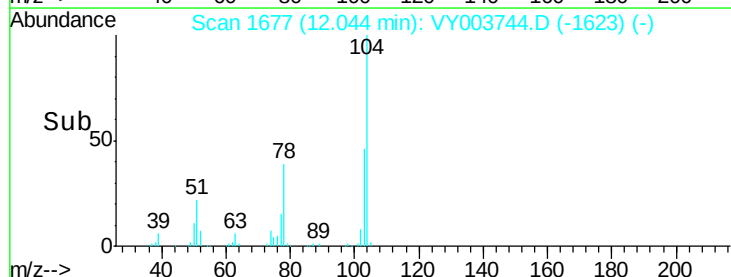
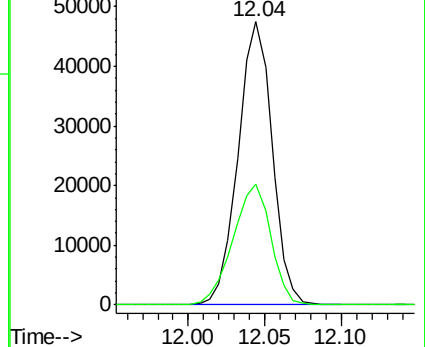
104 100

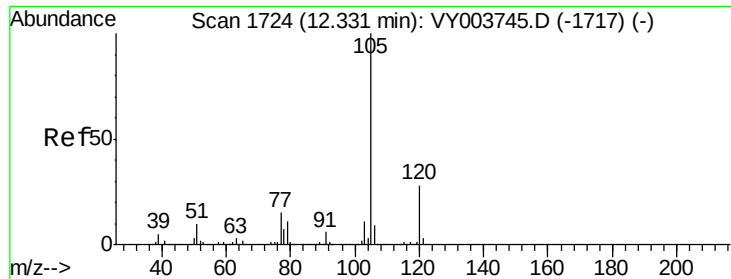
78 42.6 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 5.376 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampled :

VSTD00579

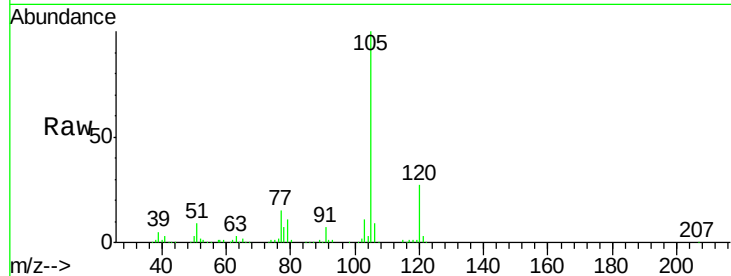
Tgt Ion: 105 Resp: 117187

Ion Ratio Lower Upper

105 100

120 26.7 22.1 33.1

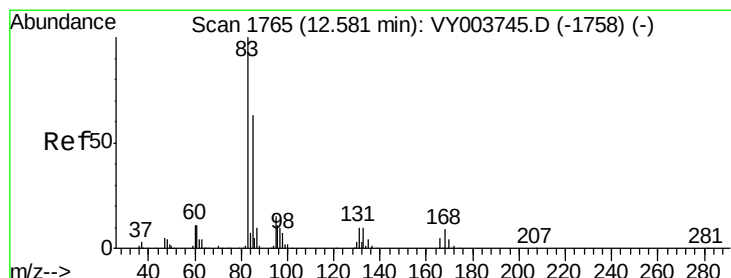
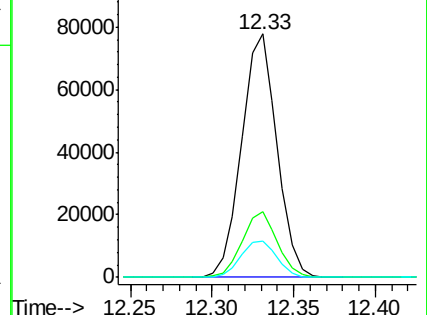
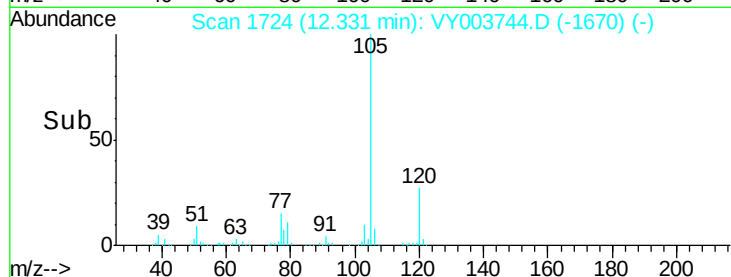
77 15.5 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): VY003744.D (-1670) (-)

Ion 120.00 (119.70 to 120.70): VY003744.D (-1670) (-)

Ion 77.00 (76.70 to 77.70): VY003744.D (-1670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.702 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

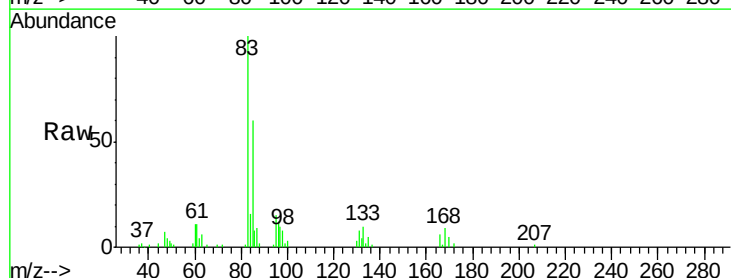
Tgt Ion: 83 Resp: 26342

Ion Ratio Lower Upper

83 100

85 60.2 43.9 81.5

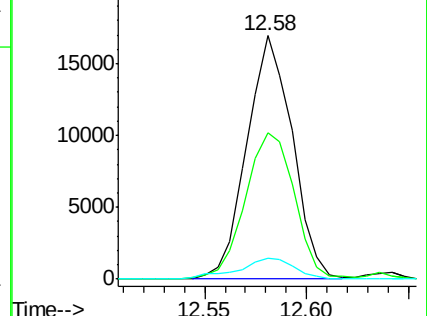
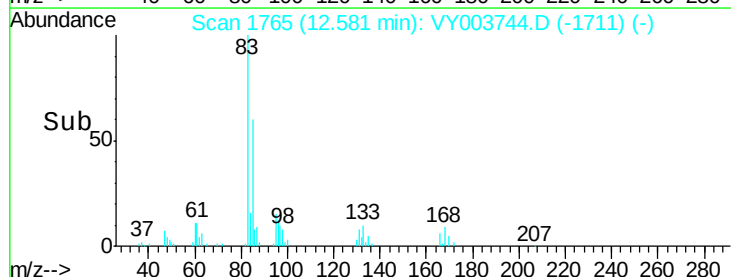
131 8.5 7.8 11.8

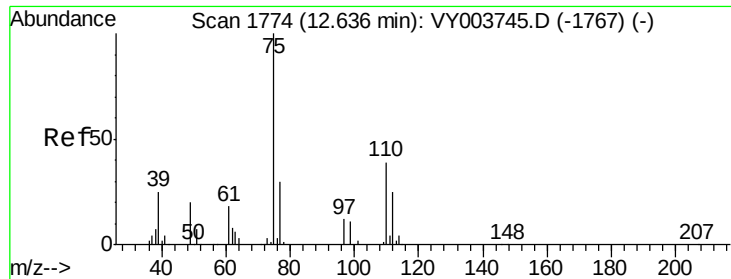


Abundance Ion 83.00 (82.70 to 83.70): VY003744.D (-1711) (-)

Ion 85.00 (84.70 to 85.70): VY003744.D (-1711) (-)

Ion 131.00 (130.70 to 131.70): VY003744.D (-1711) (-)





#59

1,2,3-Trichloropropane

Concen: 5.576 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

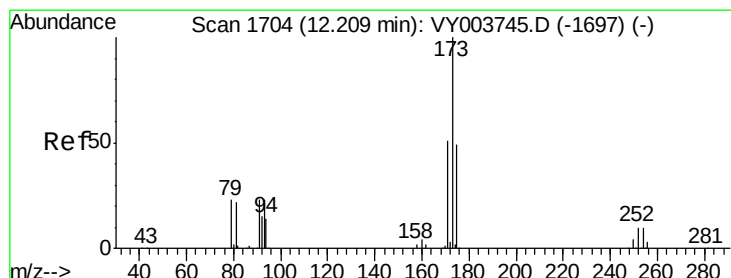
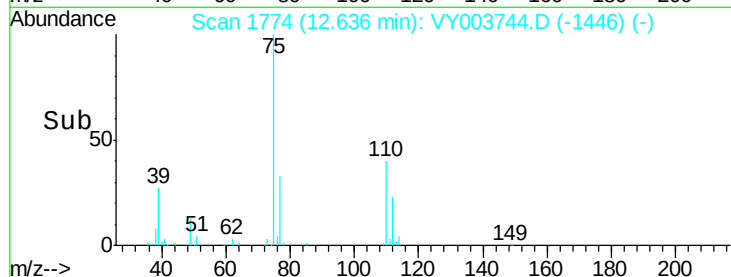
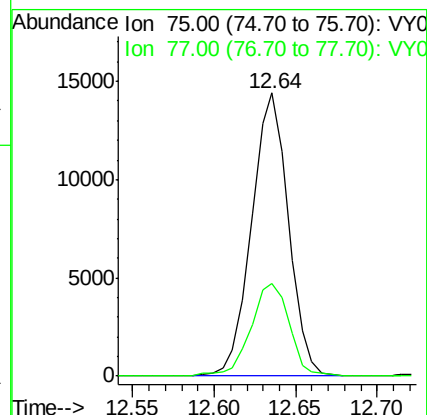
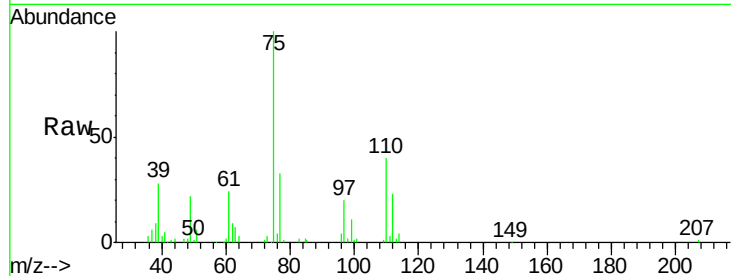
VSTD00579

Tgt Ion: 75 Resp: 22672

Ion Ratio Lower Upper

75 100

77 34.4 25.5 38.3



#62

Bromoform

Concen: 5.252 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

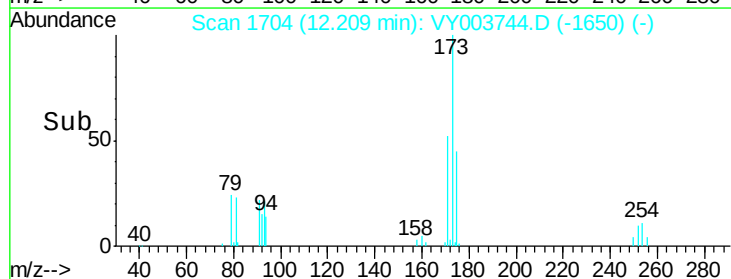
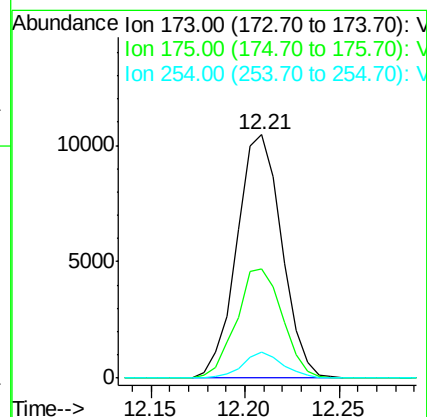
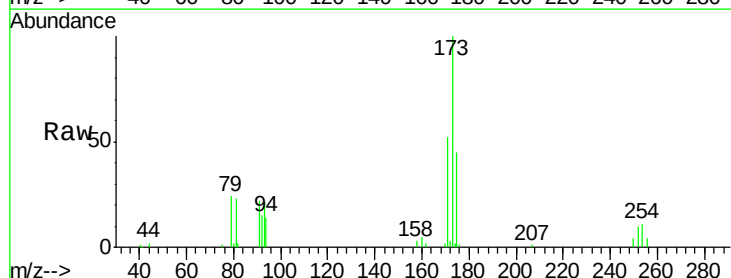
Tgt Ion: 173 Resp: 17333

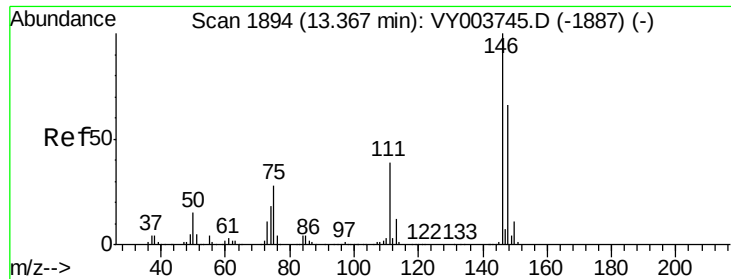
Ion Ratio Lower Upper

173 100

175 46.0 38.8 58.2

254 9.4 7.8 11.6

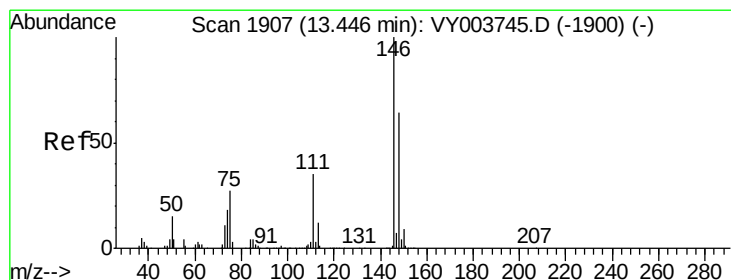
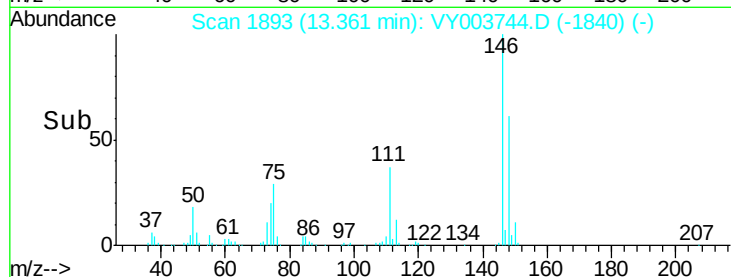
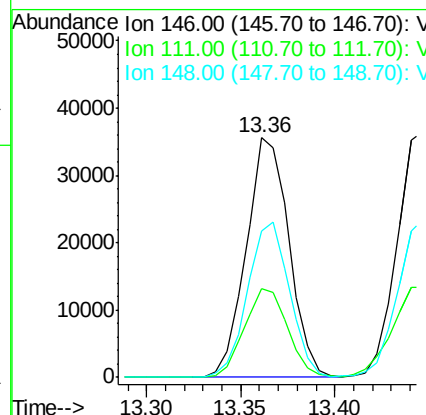
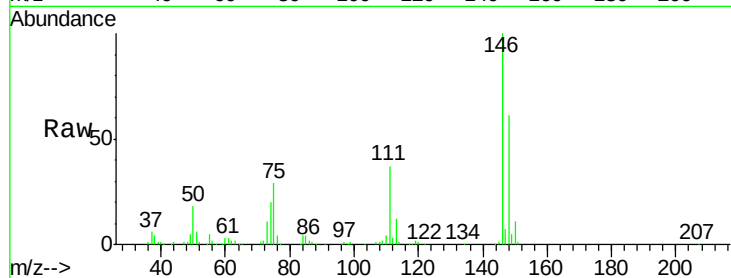




#63
 1,3-Dichlorobenzene
 Concen: 5.400 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.01 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

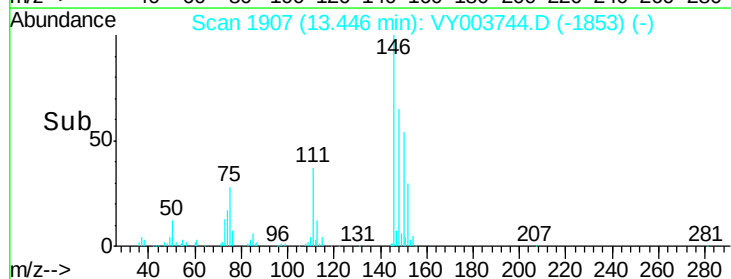
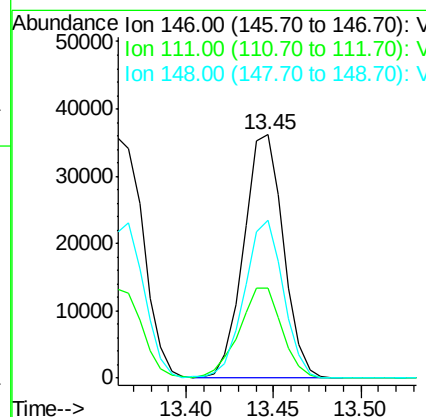
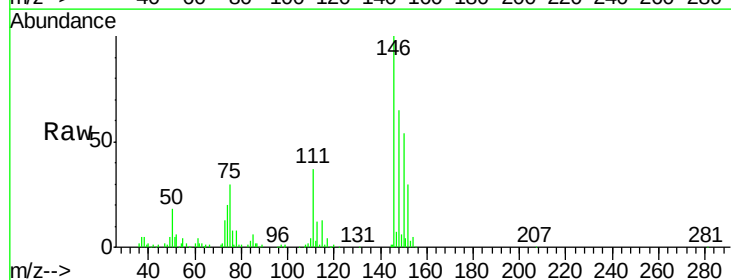
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

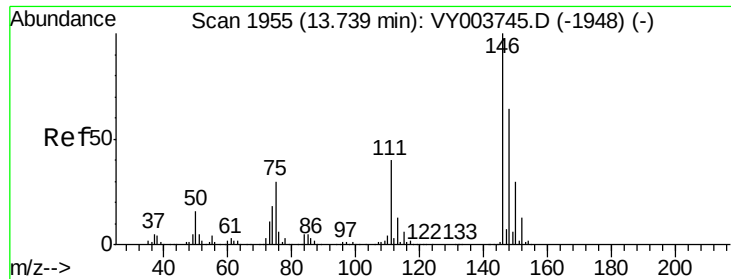
Tgt Ion:146 Resp: 56041
 Ion Ratio Lower Upper
 146 100
 111 37.3 26.9 50.1
 148 61.1 46.0 85.4



#64
 1,4-Dichlorobenzene
 Concen: 5.454 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

Tgt Ion:146 Resp: 57325
 Ion Ratio Lower Upper
 146 100
 111 37.0 24.8 46.0
 148 64.8 44.4 82.5

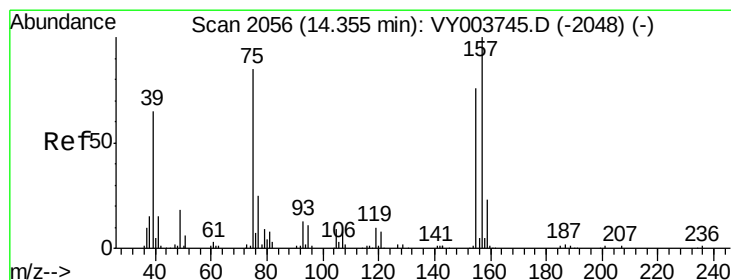
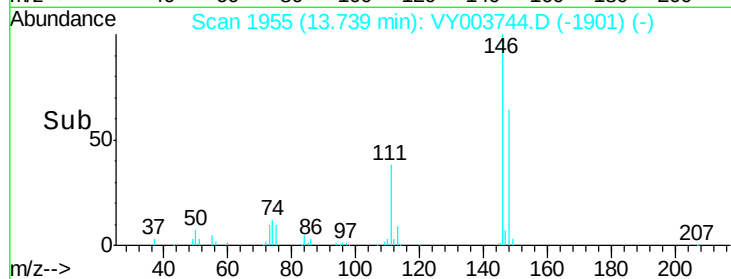
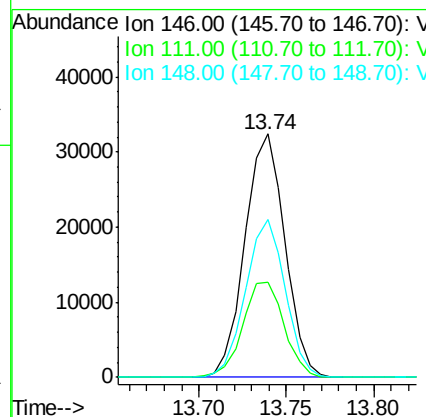
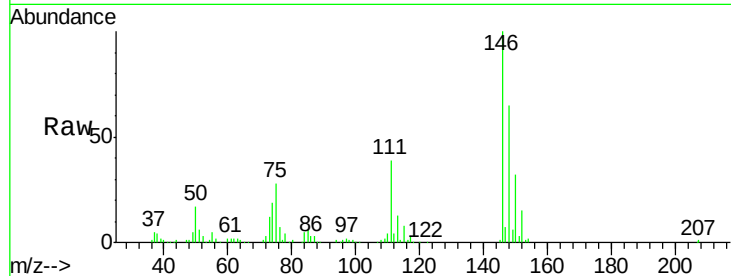




#65
 1,2-Dichlorobenzene
 Concen: 5.429 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

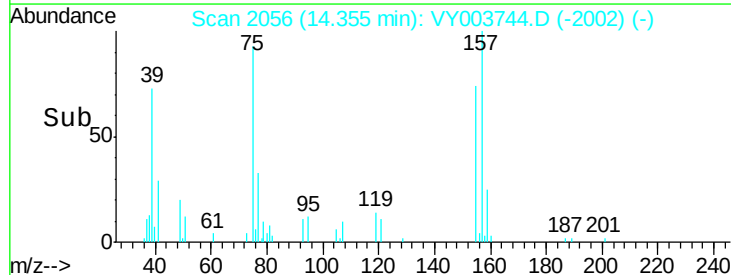
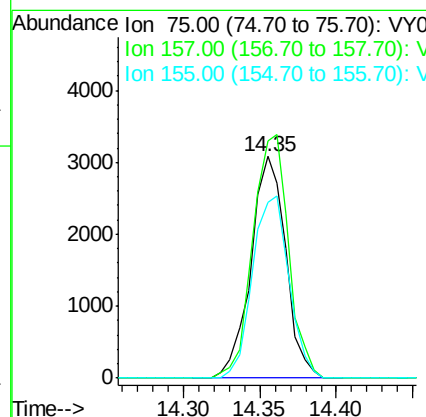
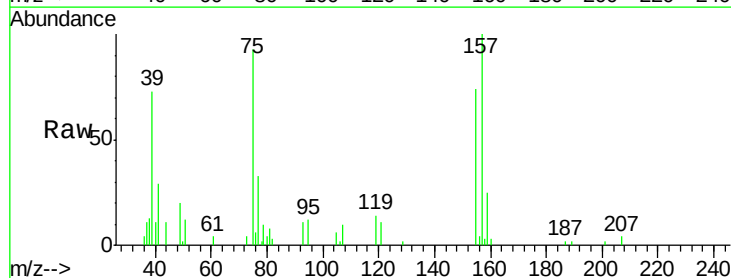
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

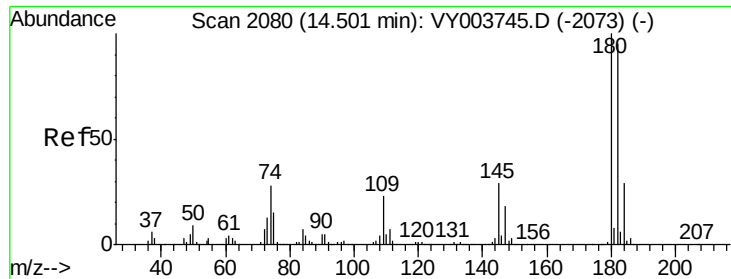
Tgt Ion:146 Resp: 51610
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.8 47.8
 148 65.1 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.468 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

Tgt Ion: 75 Resp: 4865
 Ion Ratio Lower Upper
 75 100
 157 107.2 93.8 140.8
 155 79.2 70.9 106.3

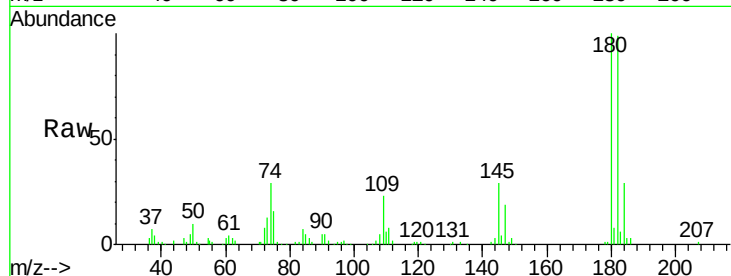




#67
 1,3,5-Trichlorobenzene
 Concen: 5.301 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.7	113.5
184	30.0	24.2	36.4
145	29.4	22.9	34.3

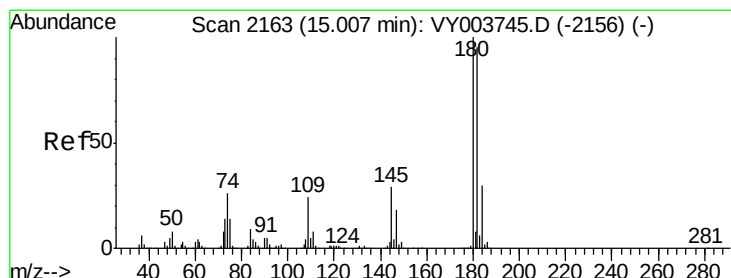
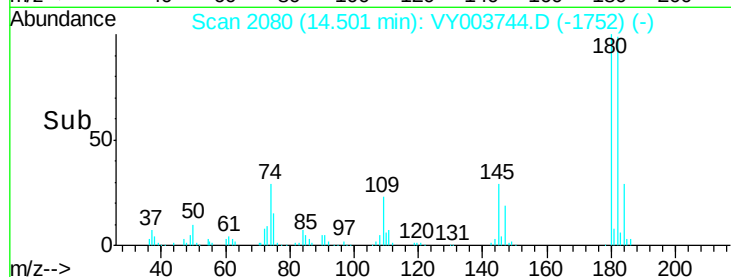
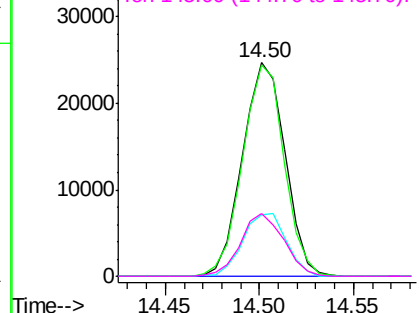


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

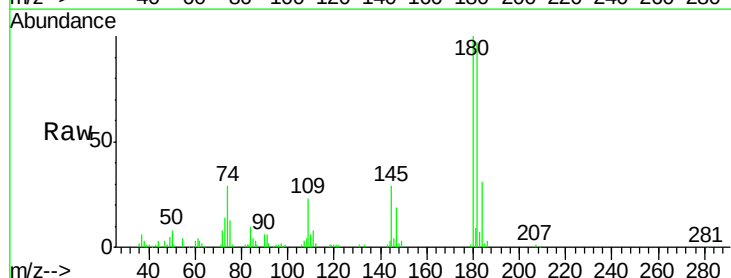
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.198 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003744.D
 Acq: 14 Dec 2020 12:24

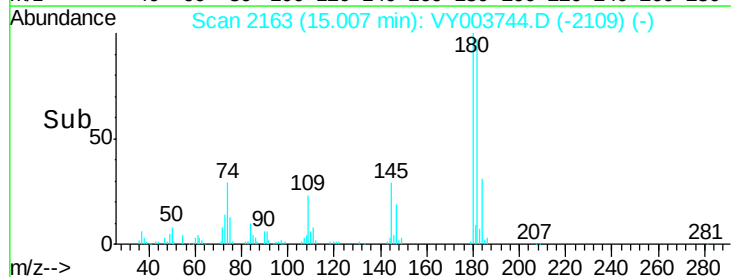
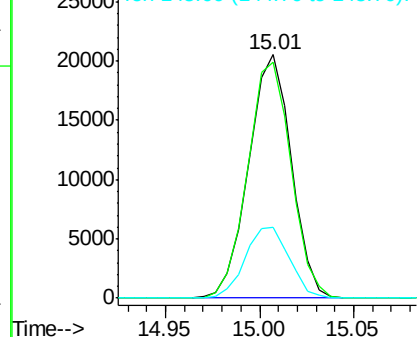
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.8	115.2
145	30.0	23.7	35.5

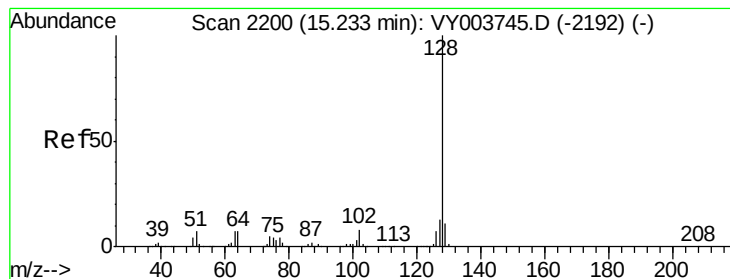


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 5.124 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00579

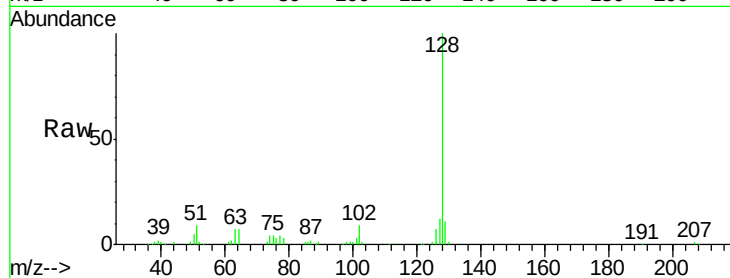
Tgt Ion:128 Resp: 68387

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

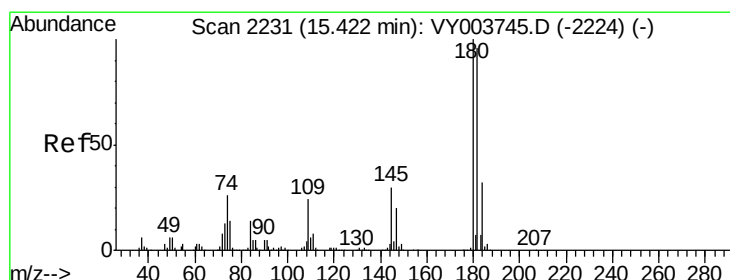
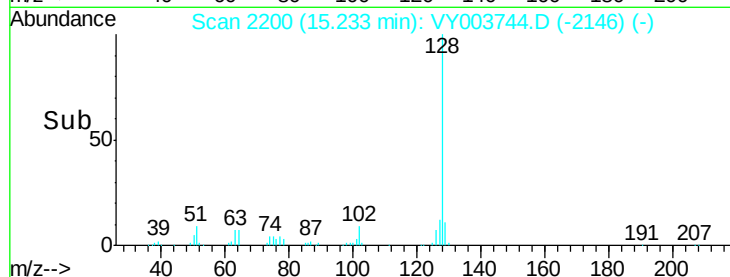
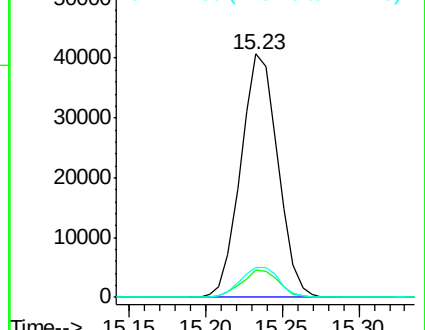
127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.136 ug/L

RT: 15.42 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VY003744.D

Acq: 14 Dec 2020 12:24

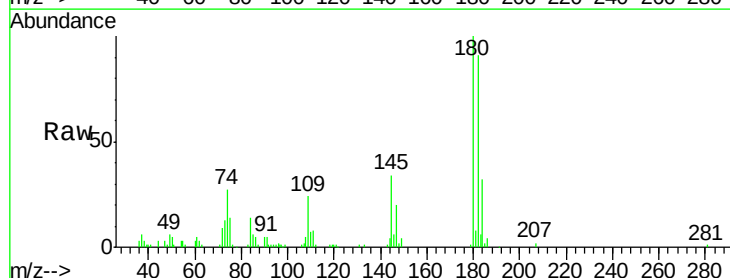
Tgt Ion:180 Resp: 29138

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

145 32.5 25.0 37.6



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

