

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
 Data File : VY003841.D
 Acq On : 23 Dec 2020 16:47
 Operator : SY/MD
 Sample : VSTD05082
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05082

Quant Time: Dec 23 17:05:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 16:50:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	243025	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	229196	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	126928	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	177761	52.79	ug/L	0.00
7) Chloroethane-d5	2.77	69	104405	42.34	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	306842	44.98	ug/L	0.00
20) 2-Butanone-d5	6.90	46	122724	89.35	ug/L	0.00
24) Chloroform-d	7.48	84	316598	51.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	181607	51.05	ug/L	0.00
29) Benzene-d6	8.11	84	676059	50.95	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	186668	46.21	ug/L	0.00
37) Toluene-d8	10.18	98	547863	45.14	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.43	79	100467	50.22	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	108000	99.26	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	189139	53.69	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	249055	53.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	208866	49.486 ug/L	99
3) Chloromethane	2.12	50	194036	50.325 ug/L	97
5) Vinyl chloride	2.25	62	213969	54.665 ug/L	100
6) Bromomethane	2.66	94	111173	47.511 ug/L	99
8) Chloroethane	2.80	64	90379	40.324 ug/L	97
9) Trichlorofluoromethane	3.13	101	289031	49.373 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	170596	48.305 ug/L	99
12) 1,1-Dichloroethene	3.87	96	166398	49.261 ug/L	88
13) Acetone	3.95	43	80564	84.272 ug/L	99
14) Carbon disulfide	4.20	76	547194	46.616 ug/L	98
15) Methyl Acetate	4.48	43	99057	40.479 ug/L #	88
16) Methylene chloride	4.73	84	182331	41.699 ug/L	98
17) Methyl tert-butyl Ether	5.23	73	458246	49.121 ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	183611	50.113 ug/L	92
19) 1,1-Dichloroethane	6.03	63	277755	45.059 ug/L	99
21) 2-Butanone	6.99	43	133034	80.977 ug/L	100
22) cis-1,2-Dichloroethene	6.99	96	196492	50.516 ug/L	95
23) Bromochloromethane	7.34	128	100120	54.408 ug/L	95
25) Chloroform	7.51	83	302175	50.361 ug/L	99
27) 1,2-Dichloroethane	8.24	62	208620	48.903 ug/L	98
30) Cyclohexane	7.79	56	270973	44.840 ug/L	96
31) 1,1,1-Trichloroethane	7.71	97	279992	49.888 ug/L	100
32) Carbon tetrachloride	7.90	117	261070	51.963 ug/L	100
34) Benzene	8.17	78	712768	48.859 ug/L	100
35) Trichloroethene	8.94	95	189080	48.439 ug/L	99
36) Methylcyclohexane	9.18	83	322060	48.734 ug/L	99
40) 1,2-Dichloropropane	9.22	63	166151	44.854 ug/L	98
41) Bromodichloromethane	9.50	83	231857	49.197 ug/L	99
42) cis-1,3-Dichloropropene	9.93	75	252652	42.458 ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	220300	63.304 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
 Data File : VY003841.D
 Acq On : 23 Dec 2020 16:47
 Operator : SY/MD
 Sample : VSTD05082
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05082

Quant Time: Dec 23 17:05:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 16:50:45 2020
 Response via : Initial Calibration

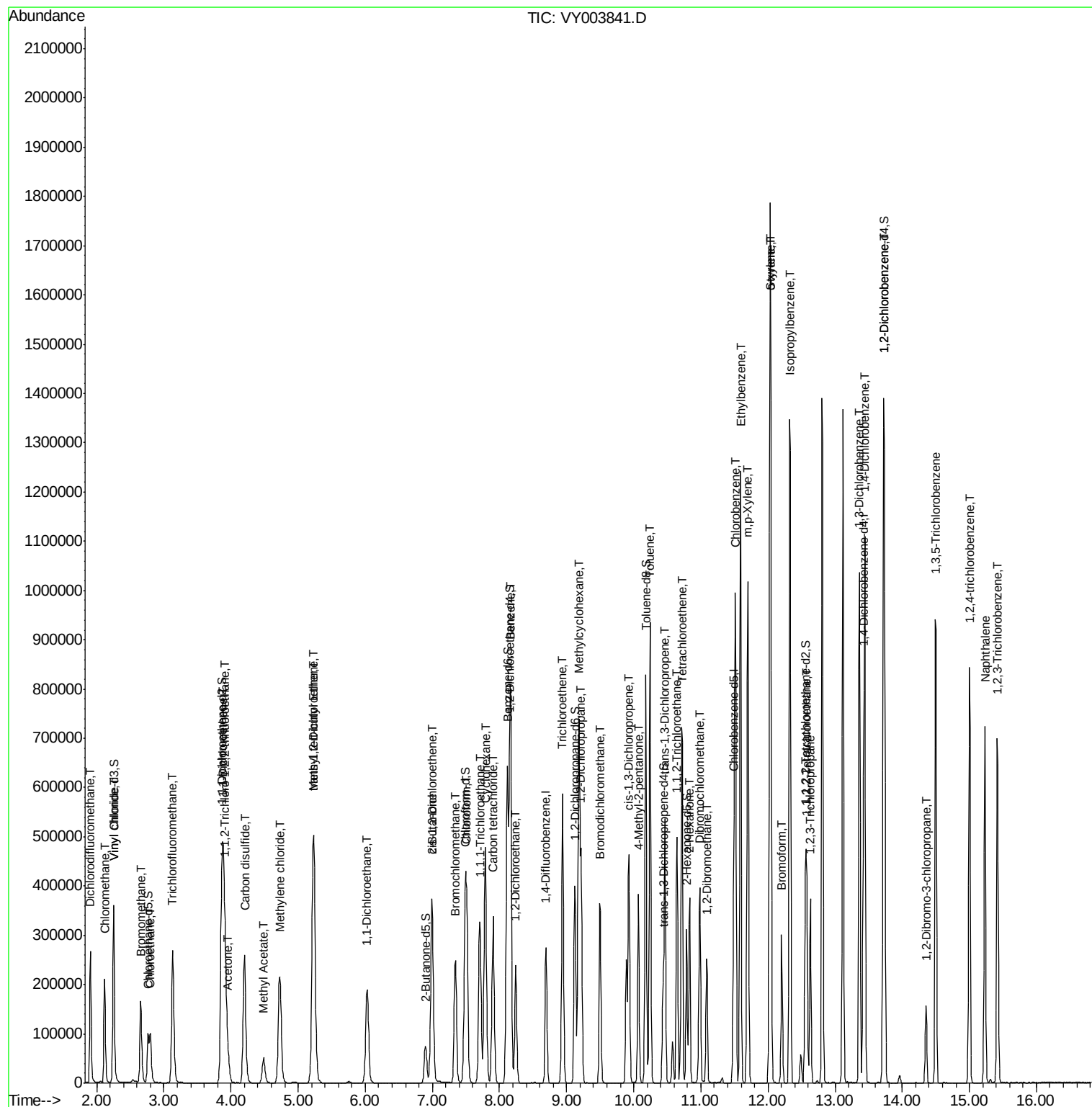
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.25	91	704296	45.036	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	270739	49.790	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	152995	49.966	ug/L	98
47) Tetrachloroethene	10.72	164	165150	51.865	ug/L	99
49) 2-Hexanone	10.83	43	211125	88.565	ug/L	99
50) Dibromochloromethane	10.98	129	190503	52.600	ug/L	96
51) 1,2-Dibromoethane	11.09	107	153844	51.033	ug/L	100
52) Chlorobenzene	11.51	112	520547	51.619	ug/L	98
53) Ethylbenzene	11.59	91	868261	50.928	ug/L	99
54) m,p-Xylene	11.70	106	346494	52.290	ug/L	100
55) o-xylene	12.03	106	330529	53.185	ug/L	98
56) Styrene	12.04	104	575045	54.023	ug/L	99
57) Isopropylbenzene	12.32	105	871931	52.555	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	178510	51.418	ug/L	97
59) 1,2,3-Trichloropropane	12.63	75	143280	49.060	ug/L	99
62) Bromoform	12.21	173	135341	51.447	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	422985	50.985	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	424686	49.965	ug/L	98
65) 1,2-Dichlorobenzene	13.73	146	395395	51.203	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	33947	46.179	ug/L	98
67) 1,3,5-Trichlorobenzene	14.50	180	303505	51.762	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	262652	52.323	ug/L	99
69) Naphthalene	15.23	128	610211	54.354	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	236693	52.071	ug/L	99

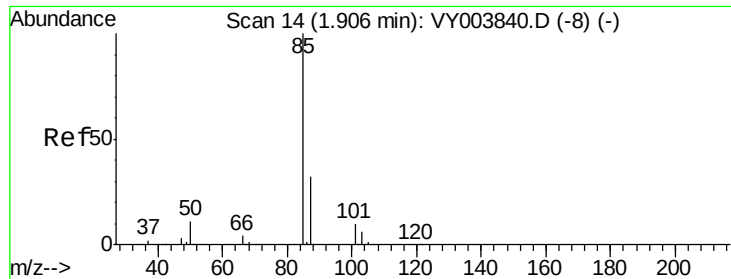
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122320\
Data File : VY003841.D
Acq On : 23 Dec 2020 16:47
Operator : SY/MD
Sample : VSTD05082
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD05082

Quant Time: Dec 23 17:05:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM122320S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 23 16:50:45 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.486 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

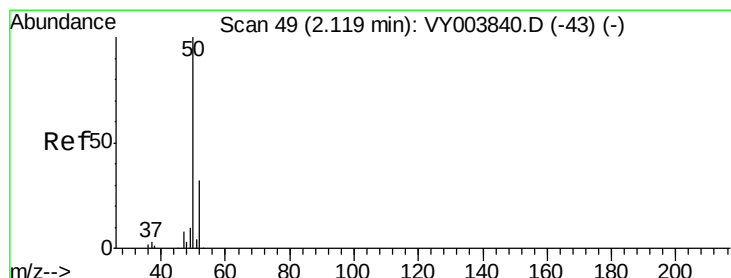
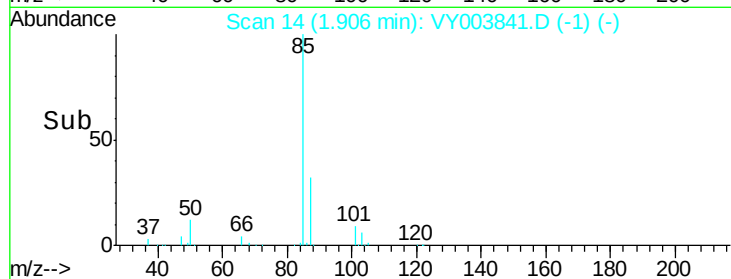
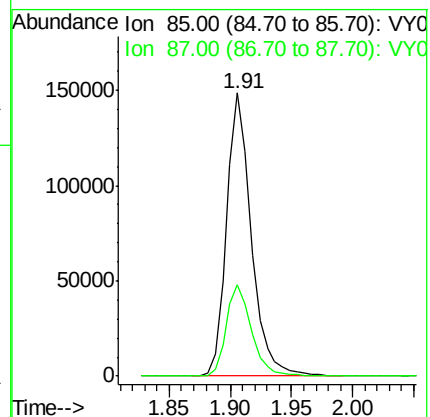
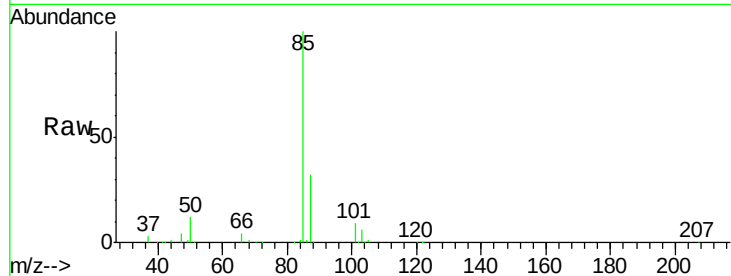
VSTD05082

Tgt Ion: 85 Resp: 208866

Ion Ratio Lower Upper

85 100

87 33.1 23.4 43.6



#3

Chloromethane

Concen: 50.325 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003841.D

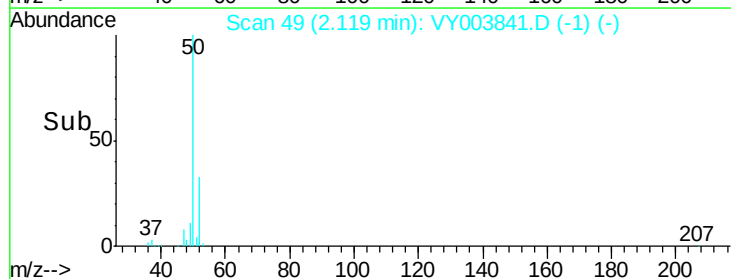
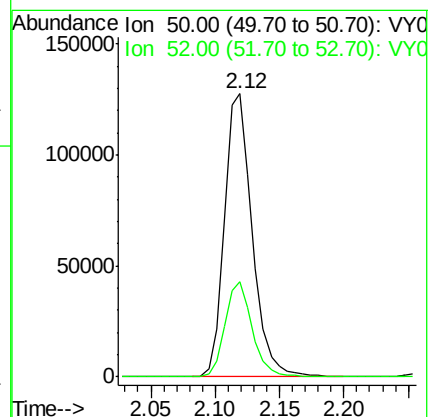
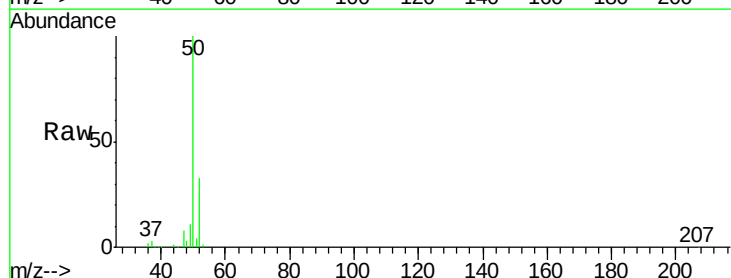
Acq: 23 Dec 2020 16:47

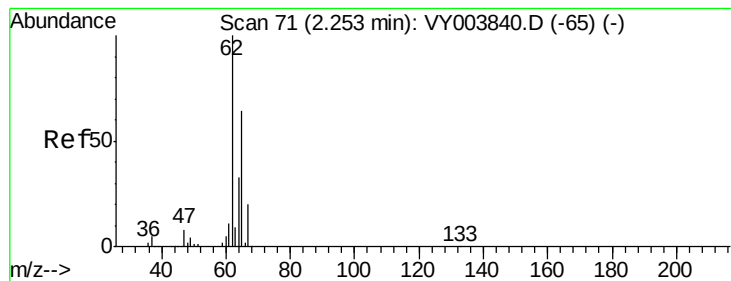
Tgt Ion: 50 Resp: 194036

Ion Ratio Lower Upper

50 100

52 33.5 22.2 41.2





#5

Vinyl chloride

Concen: 54.665 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

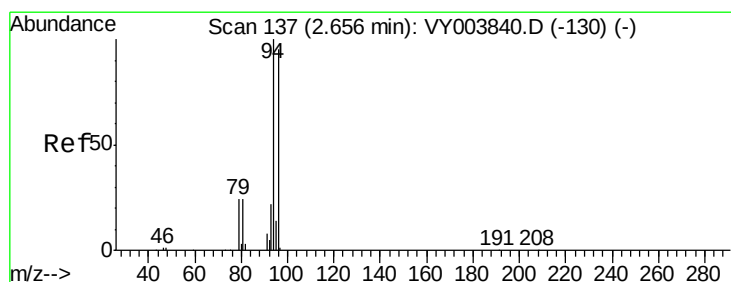
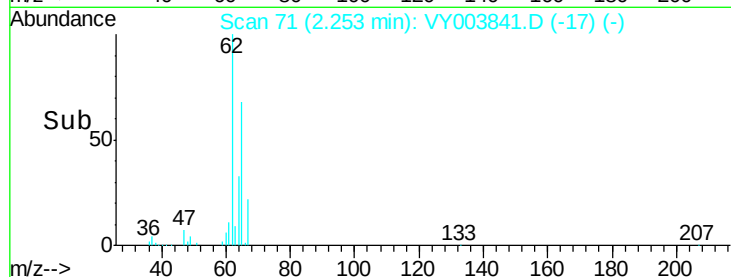
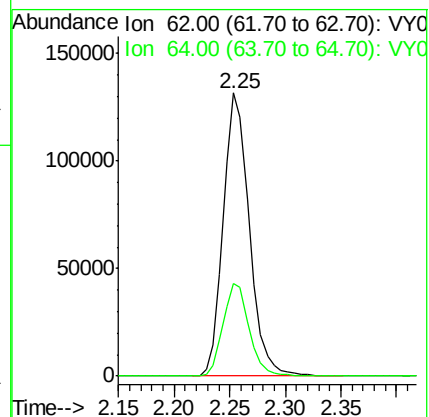
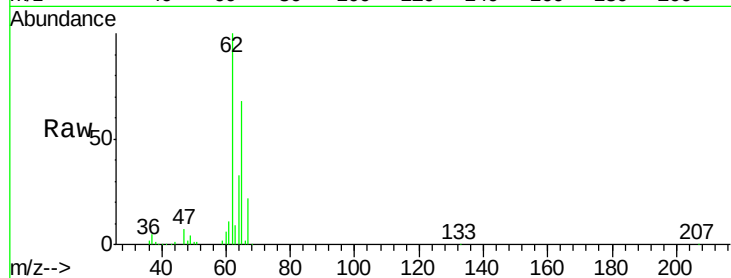
VSTD05082

Tgt Ion: 62 Resp: 213969

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



#6

Bromomethane

Concen: 47.511 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.00 min

Lab File: VY003841.D

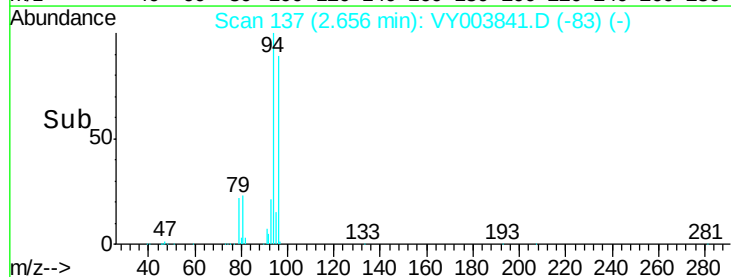
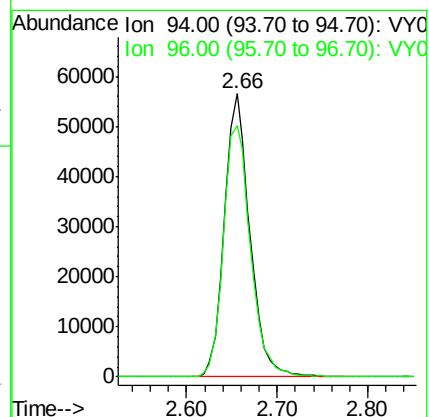
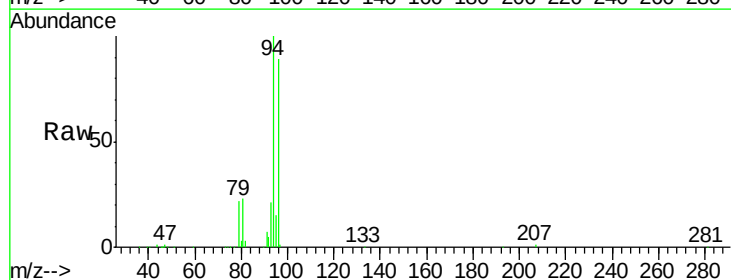
Acq: 23 Dec 2020 16:47

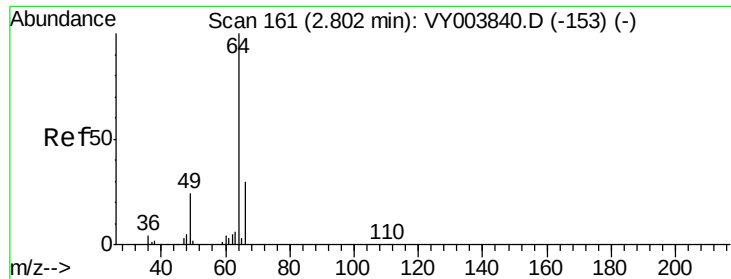
Tgt Ion: 94 Resp: 111173

Ion Ratio Lower Upper

94 100

96 94.5 9.6 182.0





#8

Chloroethane

Concen: 40.324 ug/L

RT: 2.80 min Scan# 161

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

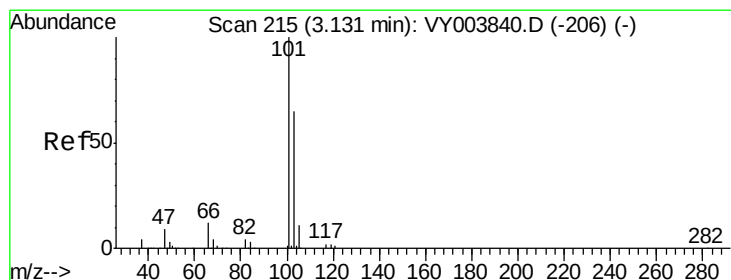
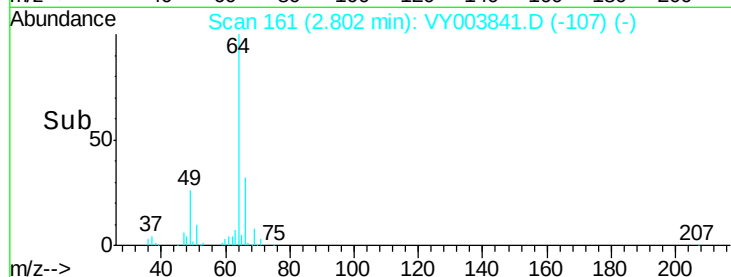
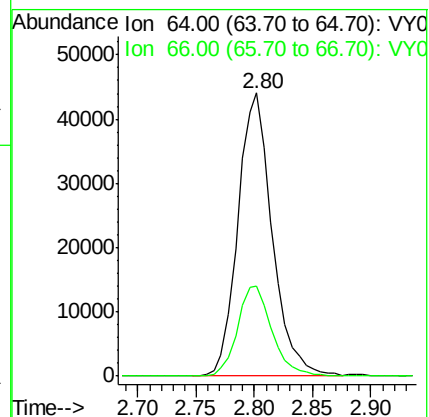
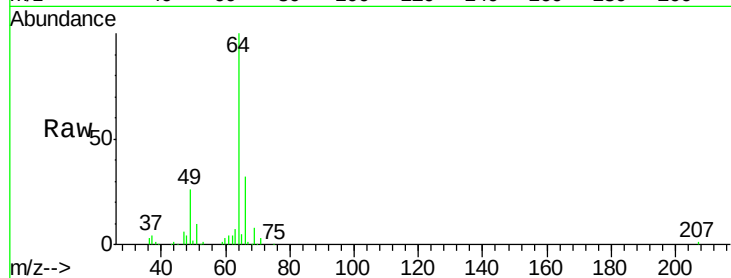
VSTD05082

Tgt Ion: 64 Resp: 90379

Ion Ratio Lower Upper

64 100

66 31.8 20.9 38.9



#9

Trichlorofluoromethane

Concen: 49.373 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.00 min

Lab File: VY003841.D

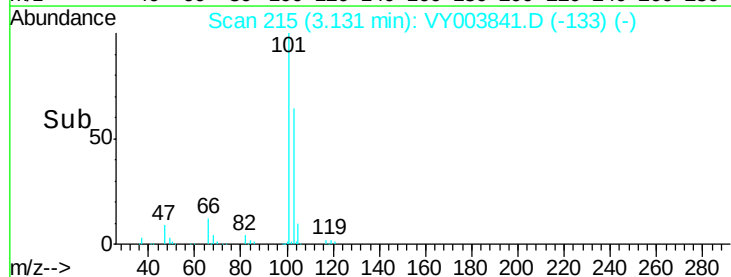
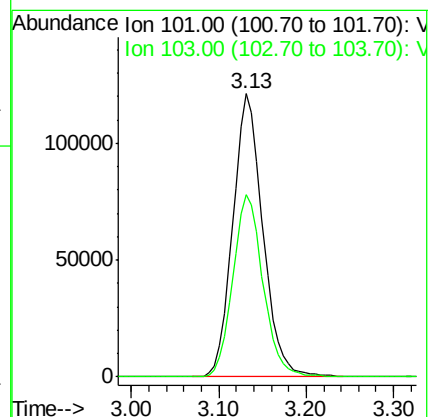
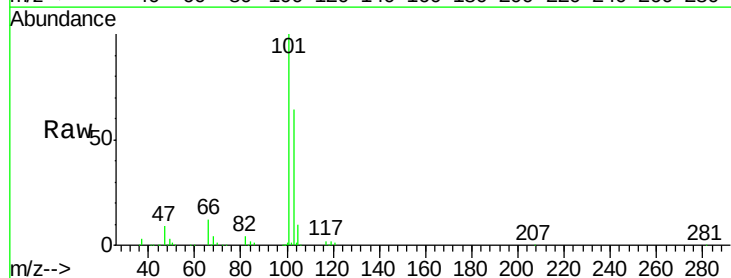
Acq: 23 Dec 2020 16:47

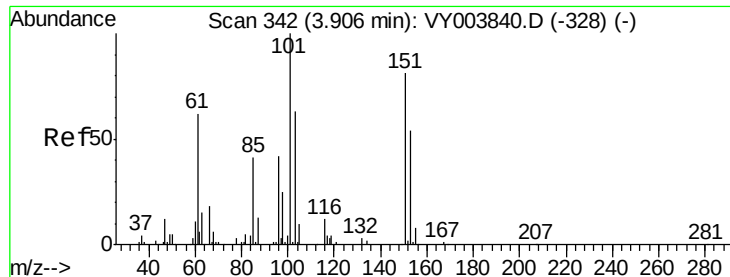
Tgt Ion: 101 Resp: 289031

Ion Ratio Lower Upper

101 100

103 64.8 45.1 83.9





#11

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

Concen: 48.305 ug/L

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05082

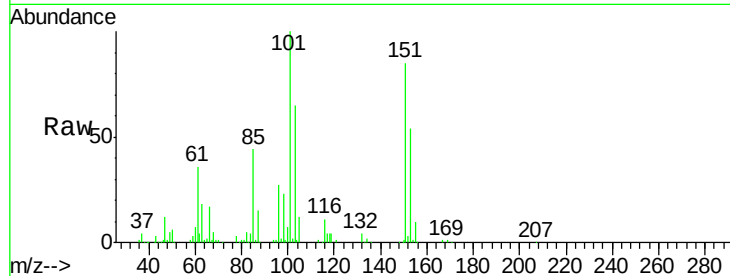
Tgt Ion:101 Resp: 170596

Ion Ratio Lower Upper

101 100

85 42.7 34.5 51.7

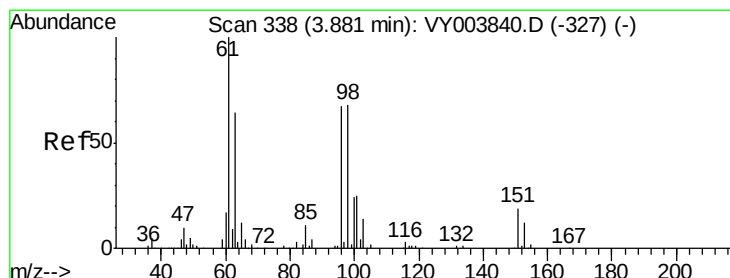
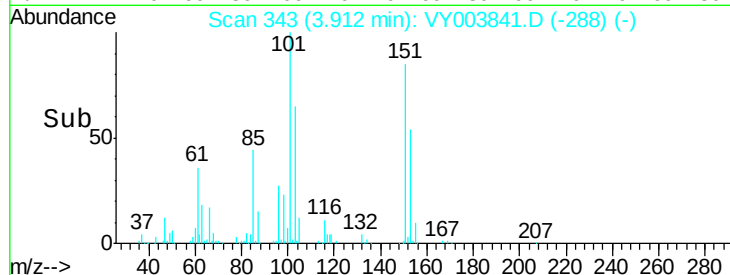
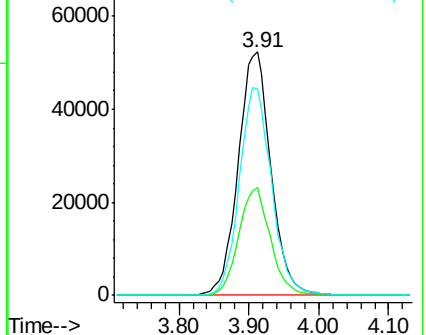
151 84.1 67.6 101.4



Abundance Ion 101.00 (100.70 to 101.70): VY003841.D (-288) (-)

Ion 85.00 (84.70 to 85.70): VY003841.D (-288) (-)

Ion 151.00 (150.70 to 151.70): VY003841.D (-288) (-)



#12

1,1-Dichloroethene

Concen: 49.261 ug/L

RT: 3.87 min Scan# 337

Delta R.T. -0.01 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

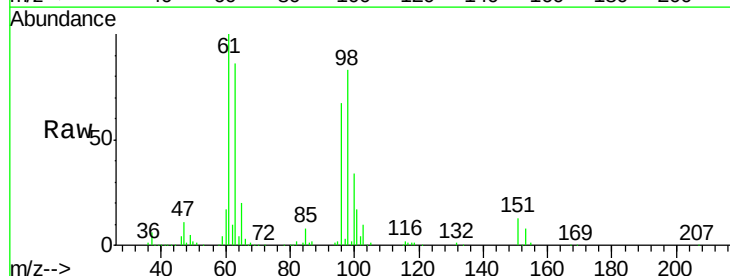
Tgt Ion: 96 Resp: 166398

Ion Ratio Lower Upper

96 100

61 148.7 104.7 194.5

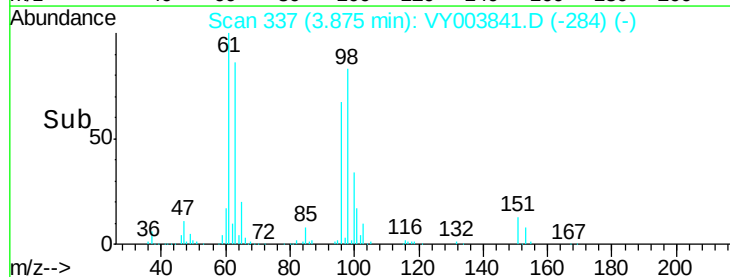
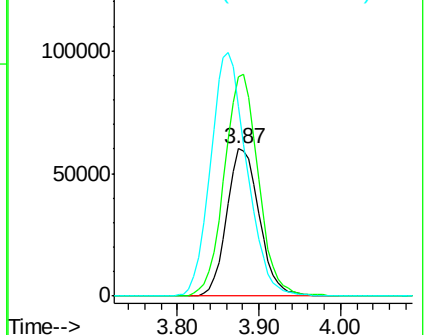
63 128.6 69.9 129.7

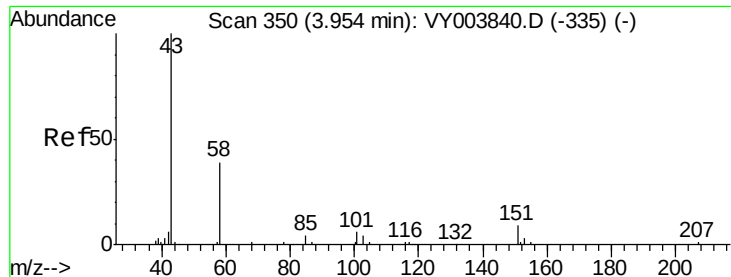


Abundance Ion 96.00 (95.70 to 96.70): VY003841.D (-284) (-)

Ion 61.00 (60.70 to 61.70): VY003841.D (-284) (-)

Ion 63.00 (62.70 to 63.70): VY003841.D (-284) (-)





#13

Acetone

Concen: 84.272 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

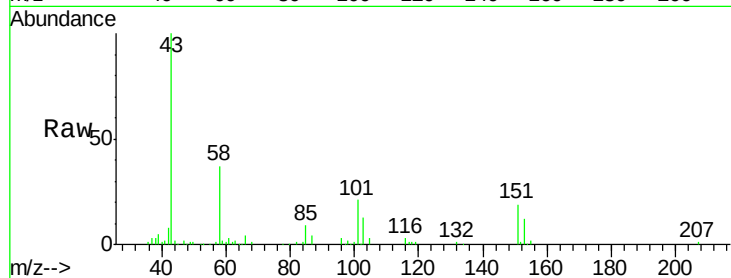
VSTD05082

Tgt Ion: 43 Resp: 80564

Ion Ratio Lower Upper

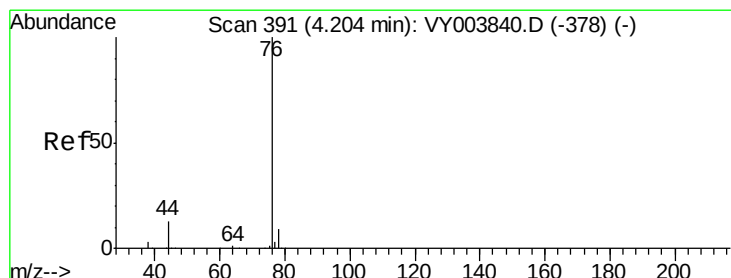
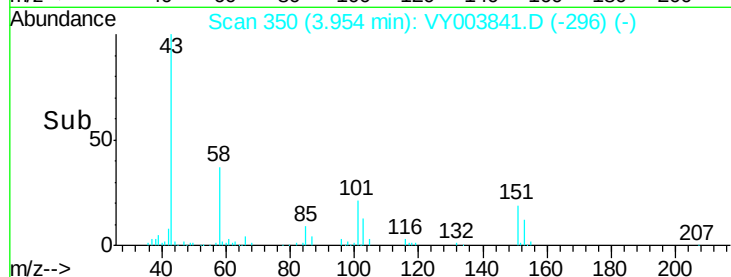
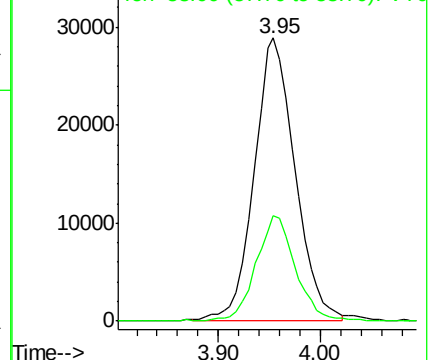
43 100

58 36.0 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 46.616 ug/L

RT: 4.20 min Scan# 391

Delta R.T. -0.00 min

Lab File: VY003841.D

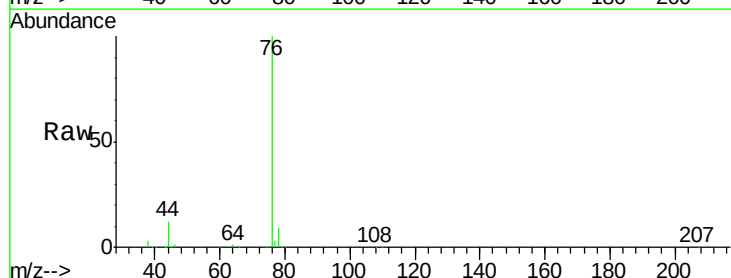
Acq: 23 Dec 2020 16:47

Tgt Ion: 76 Resp: 547194

Ion Ratio Lower Upper

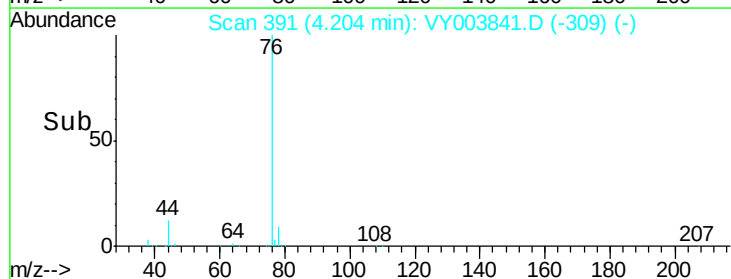
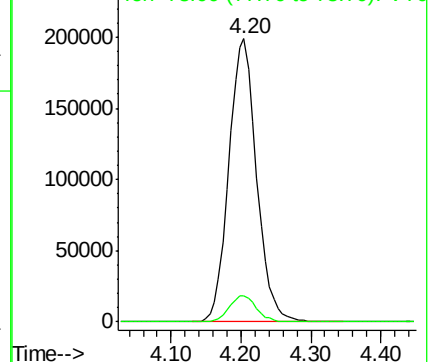
76 100

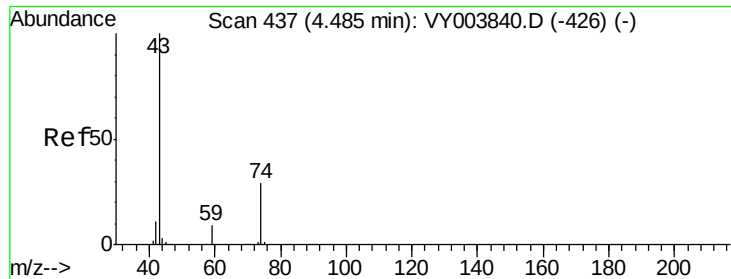
78 9.4 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

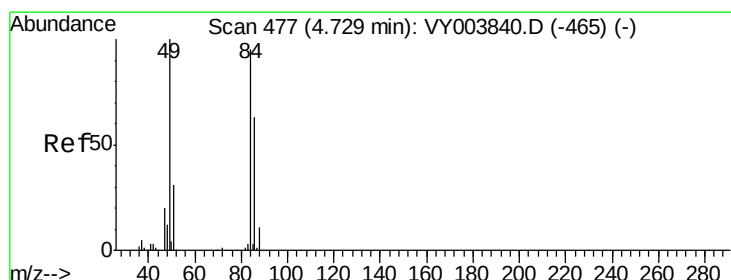
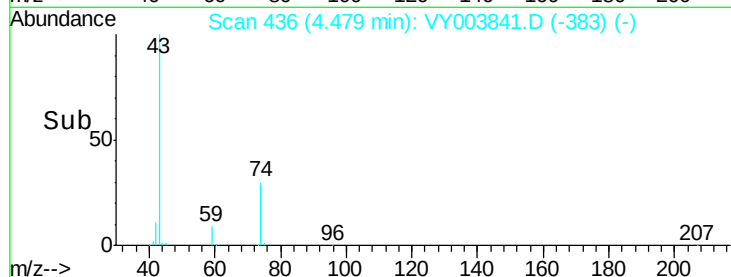
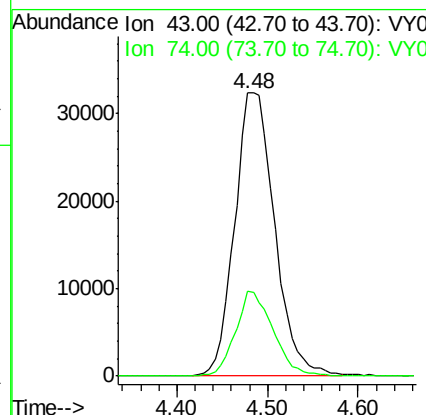
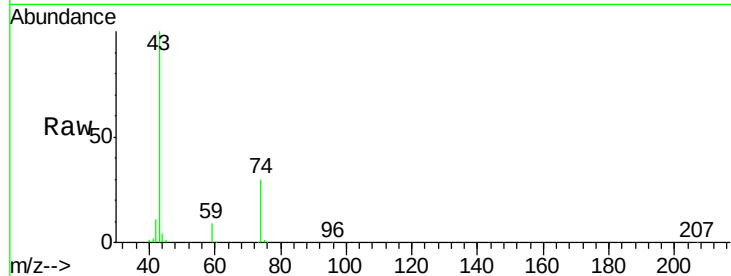




#15
Methyl Acetate
Concen: 40.479 ug/L
RT: 4.48 min Scan# 436
Delta R.T. -0.01 min
Lab File: VY003841.D
Acq: 23 Dec 2020 16:47

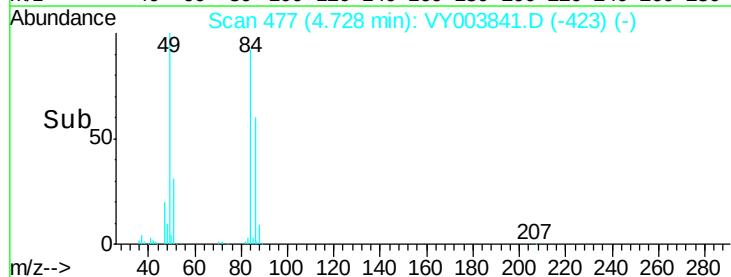
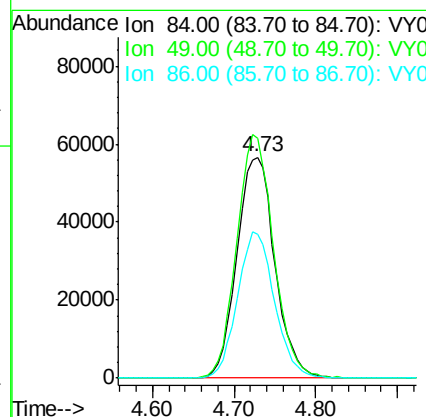
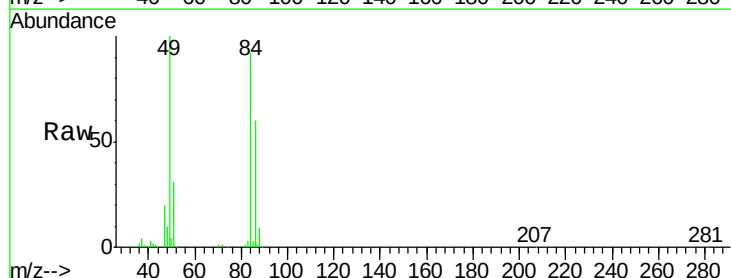
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05082

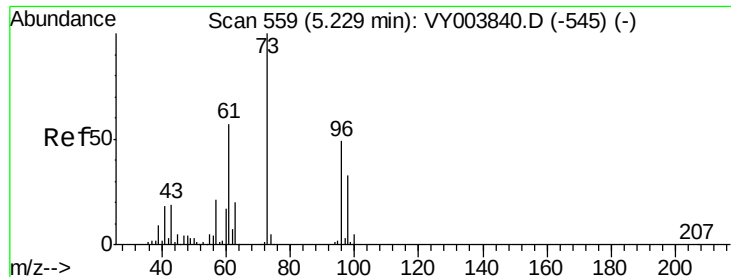
Tgt Ion: 43 Resp: 99057
Ion Ratio Lower Upper
43 100
74 28.3 0.1 0.1#



#16
Methylene chloride
Concen: 41.699 ug/L
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VY003841.D
Acq: 23 Dec 2020 16:47

Tgt Ion: 84 Resp: 182331
Ion Ratio Lower Upper
84 100
49 108.6 74.1 137.5
86 65.2 46.6 86.6

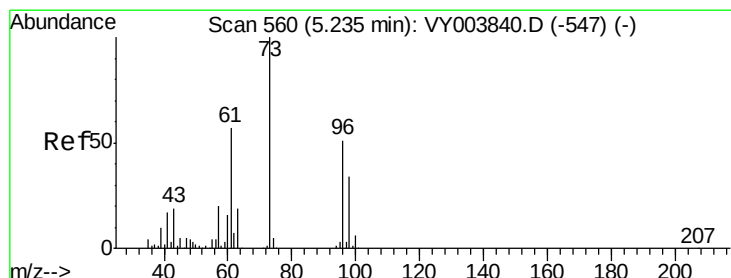
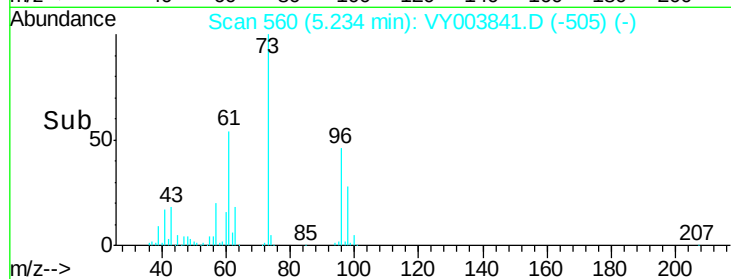
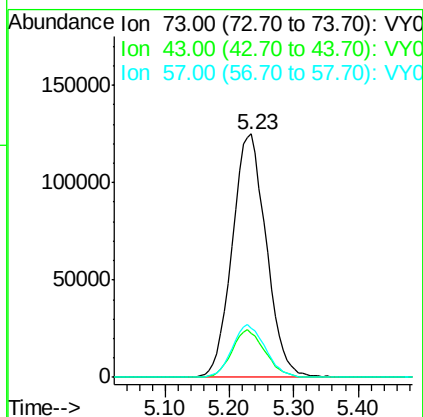
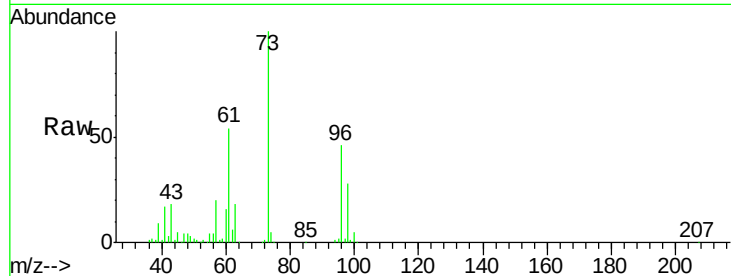




#17
Methyl tert-butyl Ether
Concen: 49.121 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.01 min
Lab File: VY003841.D
Acq: 23 Dec 2020 16:47

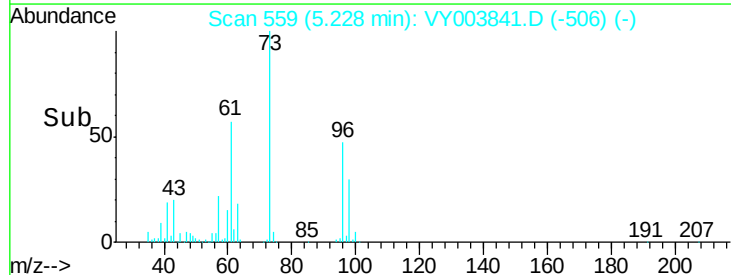
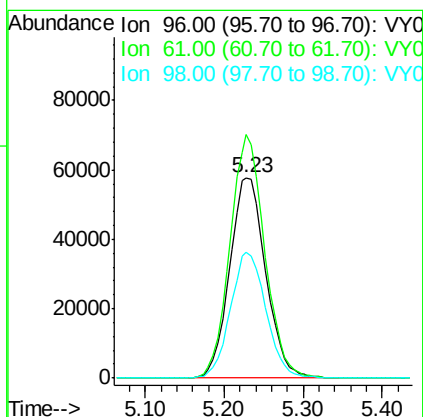
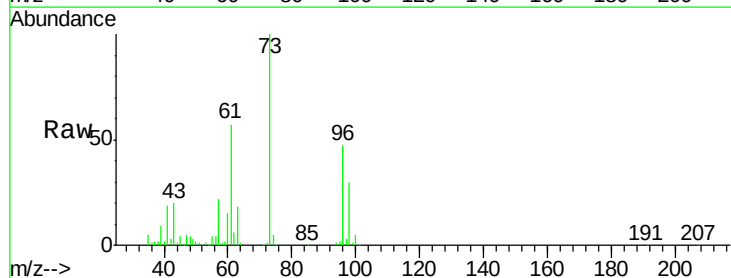
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05082

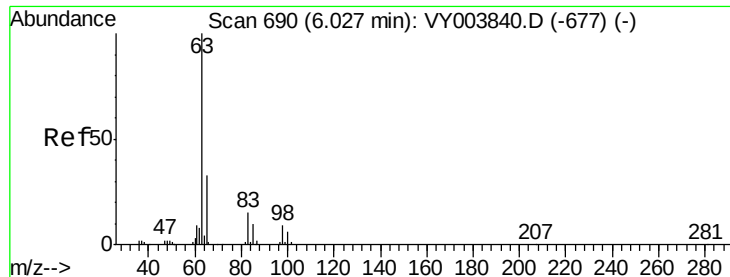
Tgt Ion: 73 Resp: 458246
Ion Ratio Lower Upper
73 100
43 19.1 15.3 22.9
57 21.4 16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 50.113 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003841.D
Acq: 23 Dec 2020 16:47

Tgt Ion: 96 Resp: 183611
Ion Ratio Lower Upper
96 100
61 121.6 78.3 145.3
98 63.1 46.8 87.0

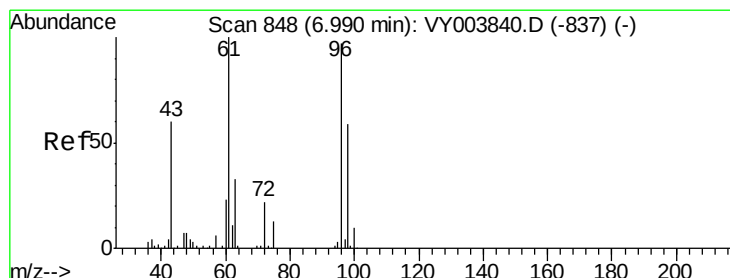
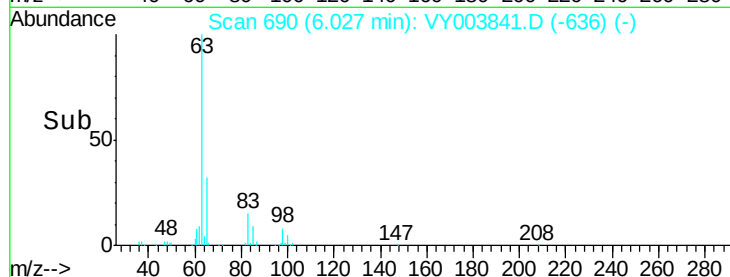
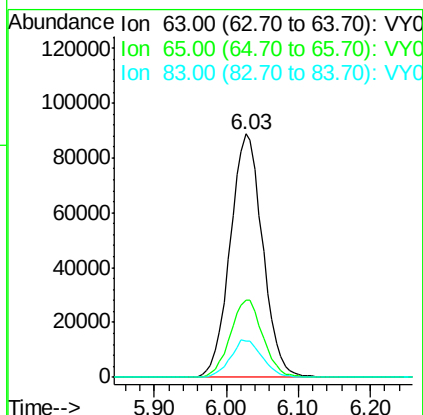
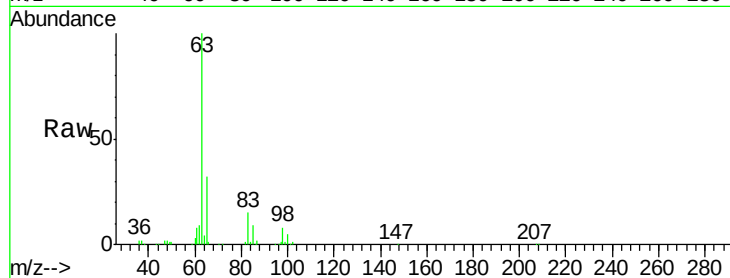




#19
 1,1-Dichloroethane
 Concen: 45.059 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

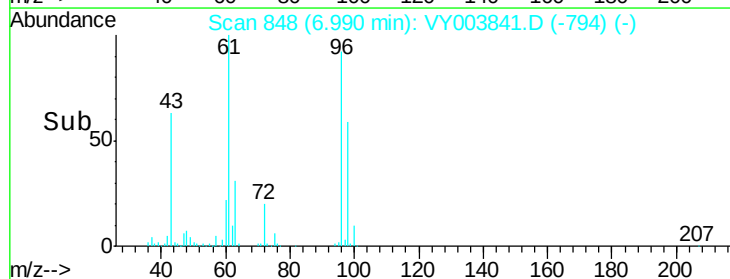
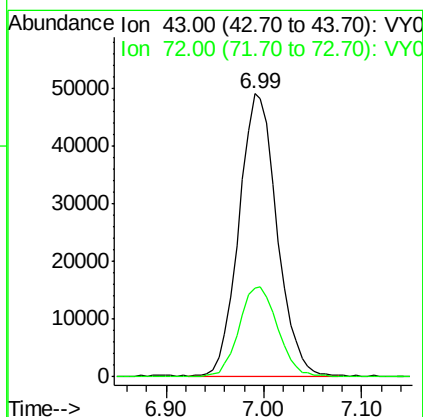
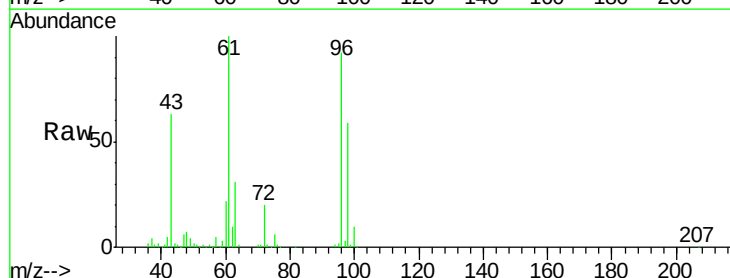
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05082

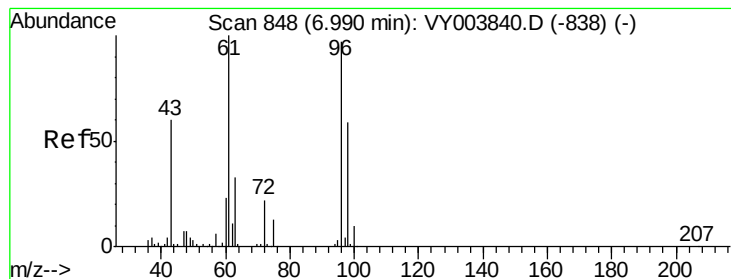
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.9	42.5
83	15.1	10.4	19.2



#21
 2-Butanone
 Concen: 80.977 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	32.2	16.3	48.8



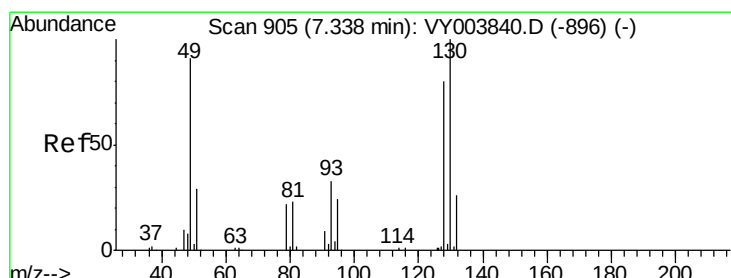
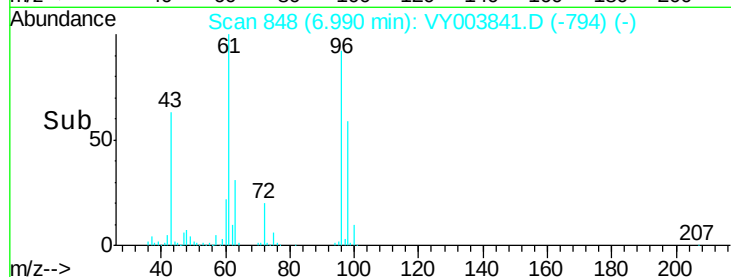
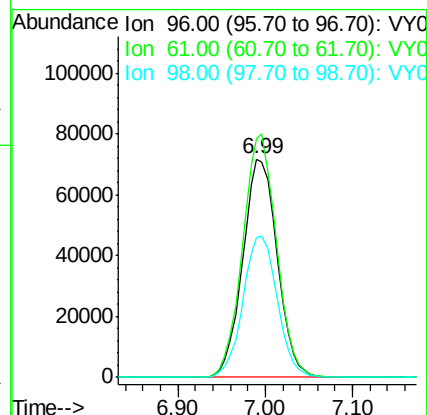
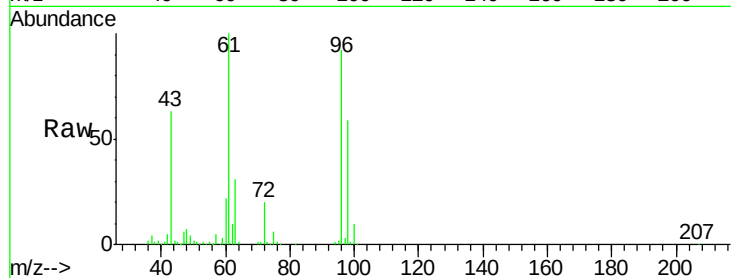


#22

cis-1,2-Dichloroethene
Concen: 50.516 ug/L
RT: 6.99 min Scan# 848
Delta R.T. -0.00 min
Lab File: VY003841.D
Acq: 23 Dec 2020 16:47

Instrument :
MSVOA_Y
ClientSampled :
VSTD05082

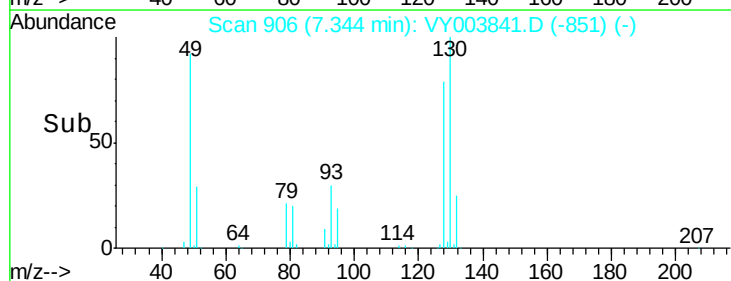
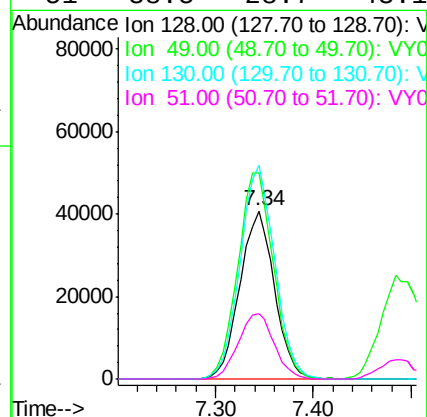
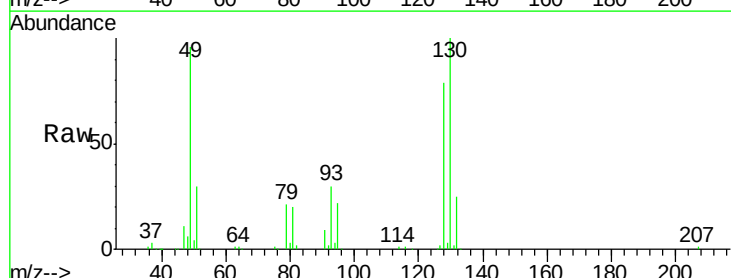
Tgt Ion: 96 Resp: 196492
Ion Ratio Lower Upper
96 100
61 109.2 72.2 134.2
98 64.2 42.9 79.7

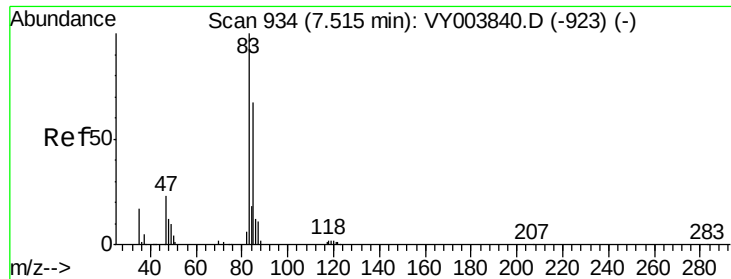


#23

Bromochloromethane
Concen: 54.408 ug/L
RT: 7.34 min Scan# 906
Delta R.T. 0.01 min
Lab File: VY003841.D
Acq: 23 Dec 2020 16:47

Tgt Ion: 128 Resp: 100120
Ion Ratio Lower Upper
128 100
49 122.3 79.9 148.5
130 127.0 87.3 162.1
51 38.5 28.7 43.1





#25

Chloroform

Concen: 50.361 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

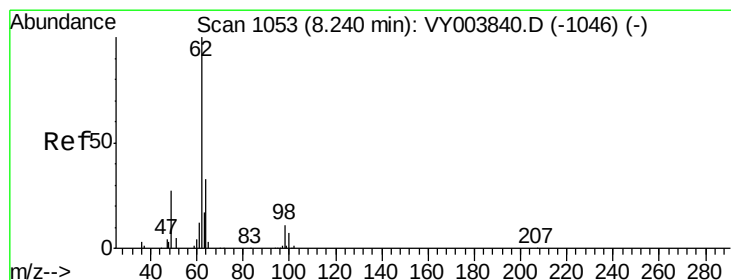
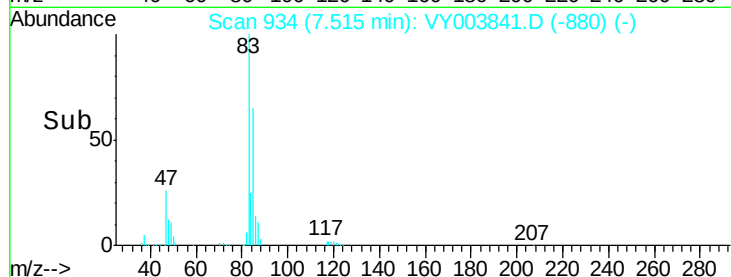
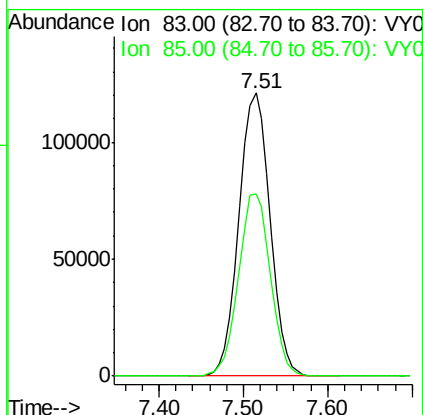
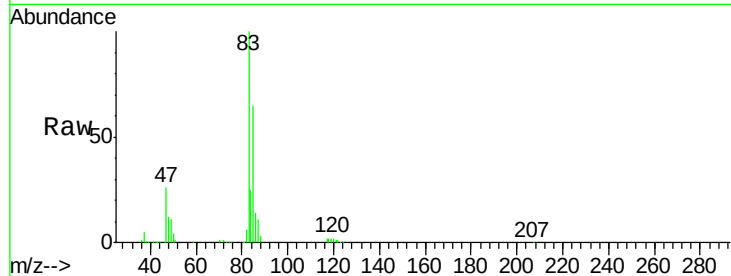
VSTD05082

Tgt Ion: 83 Resp: 302175

Ion Ratio Lower Upper

83 100

85 66.0 46.5 86.5



#27

1,2-Dichloroethane

Concen: 48.903 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY003841.D

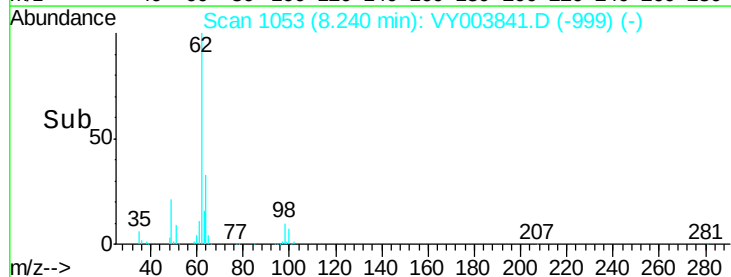
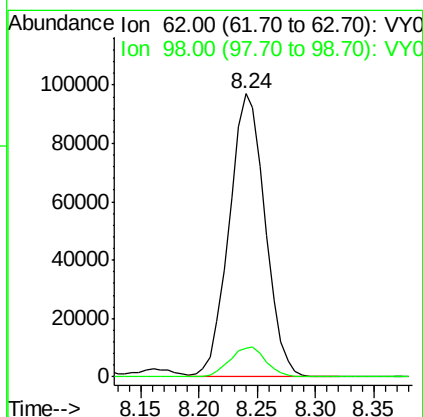
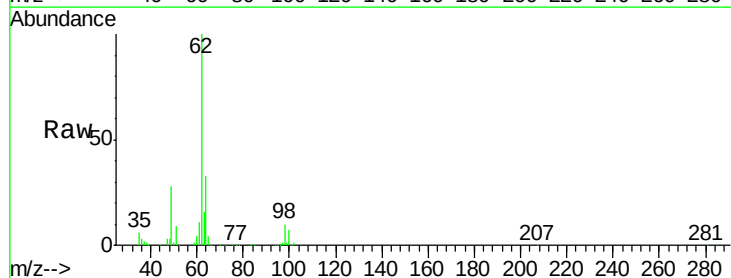
Acq: 23 Dec 2020 16:47

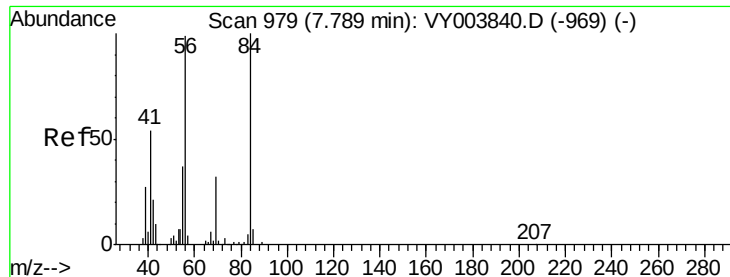
Tgt Ion: 62 Resp: 208620

Ion Ratio Lower Upper

62 100

98 10.0 8.6 12.8

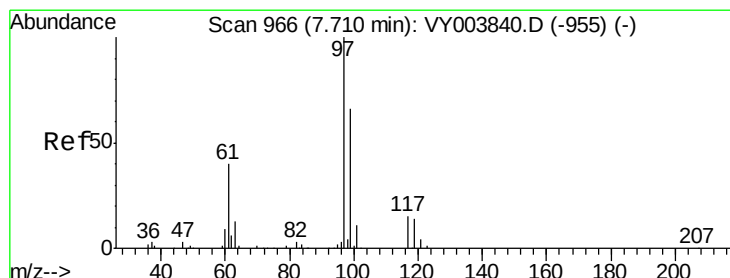
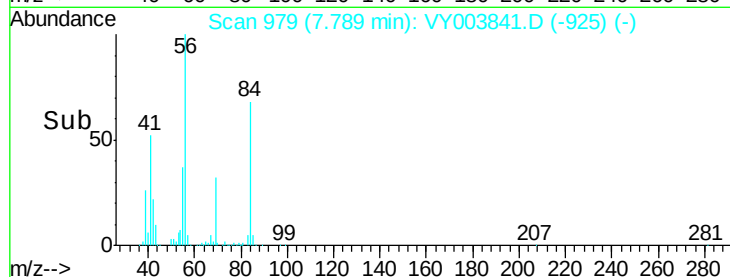
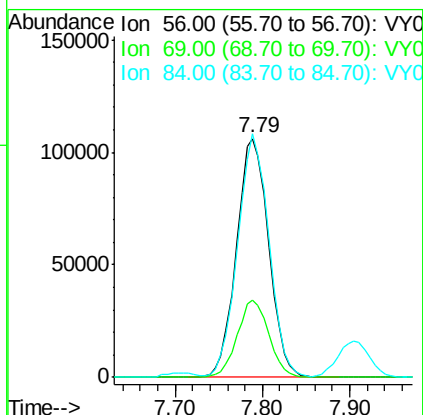
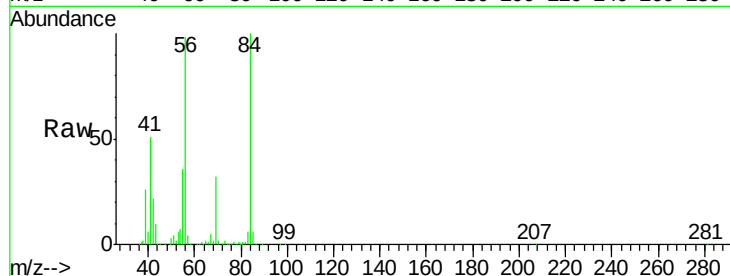




#30
Cyclohexane
Concen: 44.840 ug/L
RT: 7.79 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003841.D
Acq: 23 Dec 2020 16:47

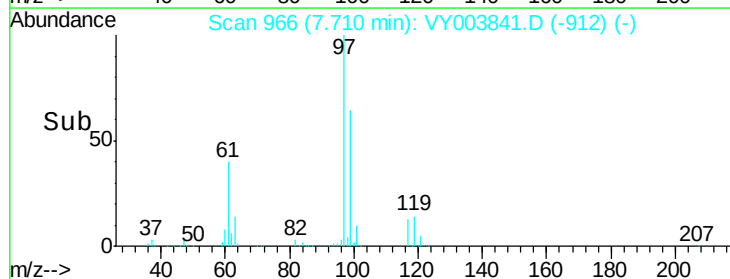
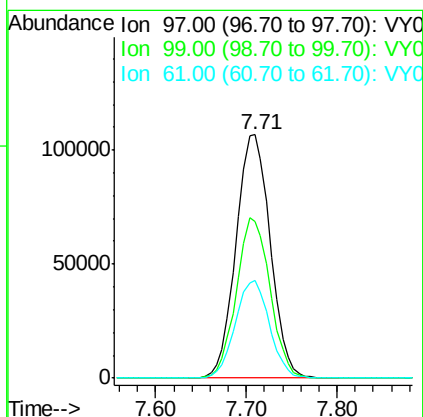
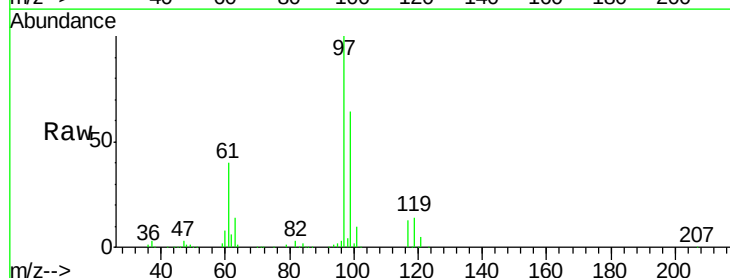
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05082

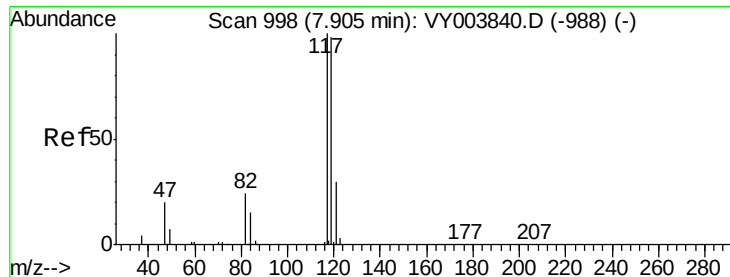
Tgt Ion: 56 Resp: 270973
Ion Ratio Lower Upper
56 100
69 31.6 26.5 39.7
84 99.7 83.3 124.9



#31
1,1,1-Trichloroethane
Concen: 49.888 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.00 min
Lab File: VY003841.D
Acq: 23 Dec 2020 16:47

Tgt Ion: 97 Resp: 279992
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.8
61 40.0 32.4 48.6





#32

Carbon tetrachloride

Concen: 51.963 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

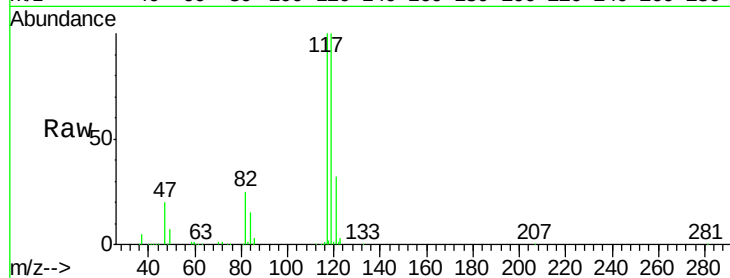
VSTD05082

Tgt Ion:117 Resp: 261070

Ion Ratio Lower Upper

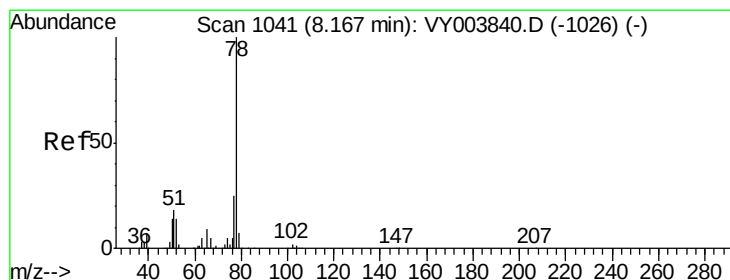
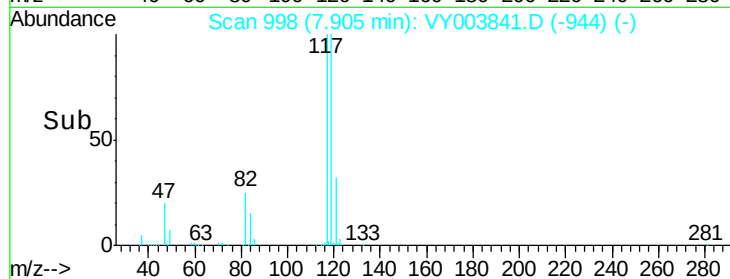
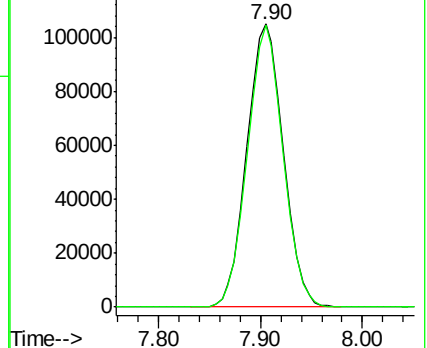
117 100

119 97.1 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 48.859 ug/L

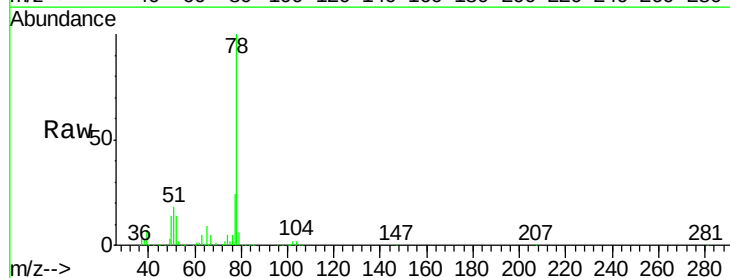
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

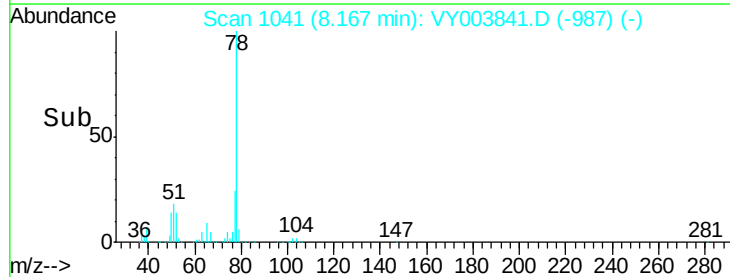
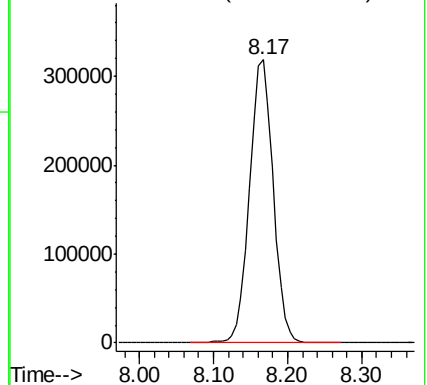
Lab File: VY003841.D

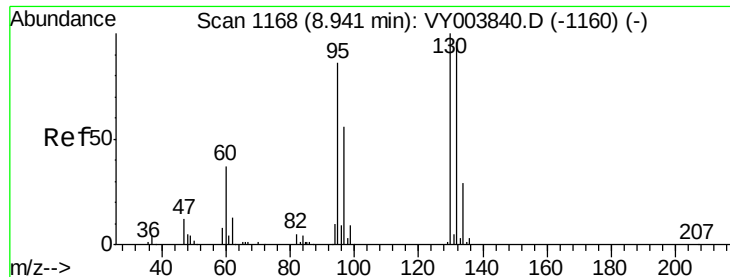
Acq: 23 Dec 2020 16:47

Tgt Ion: 78 Resp: 712768



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 48.439 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05082

Tgt Ion: 95 Resp: 189080

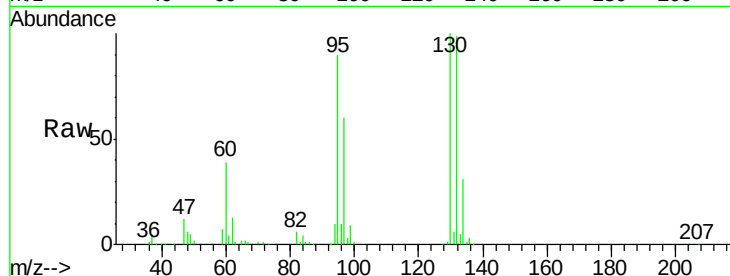
Ion Ratio Lower Upper

95 100

97 65.5 44.9 83.3

132 110.3 76.2 141.4

130 114.0 79.7 148.1



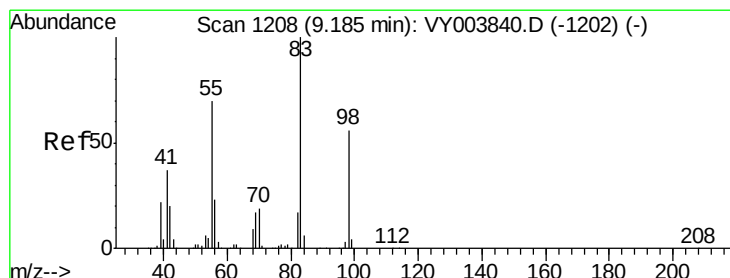
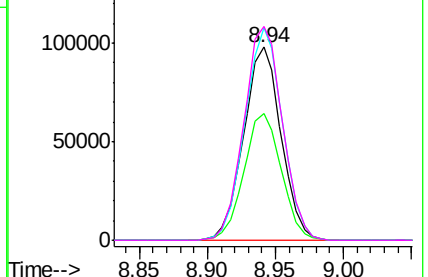
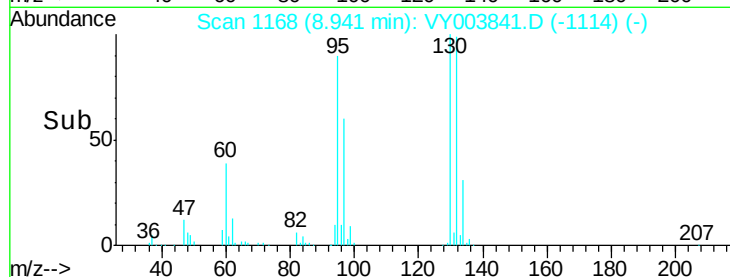
Abundance Ion 95.00 (94.70 to 95.70): VY0

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

Time-->



#36

Methylcyclohexane

Concen: 48.734 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

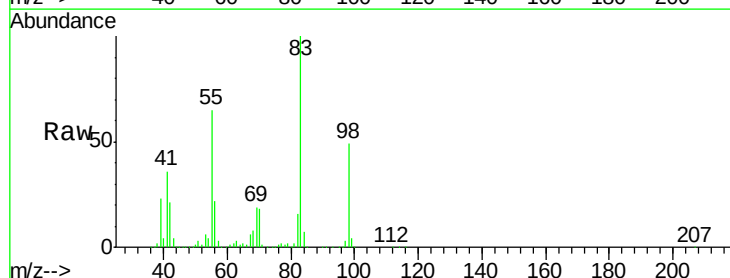
Tgt Ion: 83 Resp: 322060

Ion Ratio Lower Upper

83 100

55 66.8 53.5 80.3

98 51.6 42.8 64.2

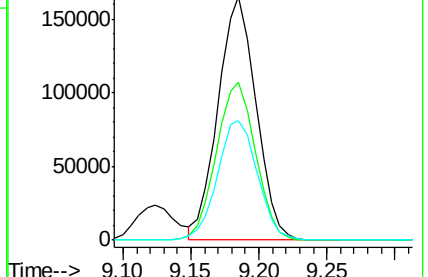
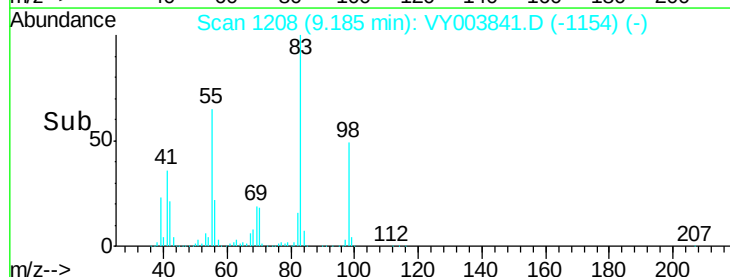


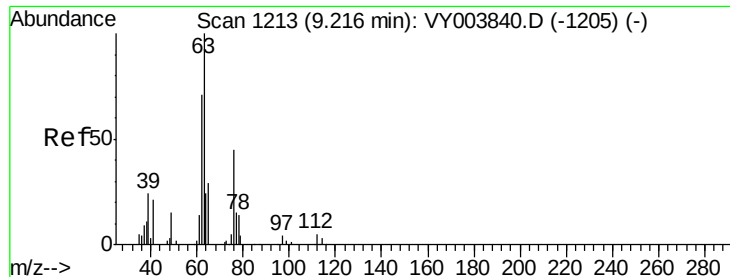
Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

Time-->





#40

1,2-Dichloropropane

Concen: 44.854 ug/L

RT: 9.22 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

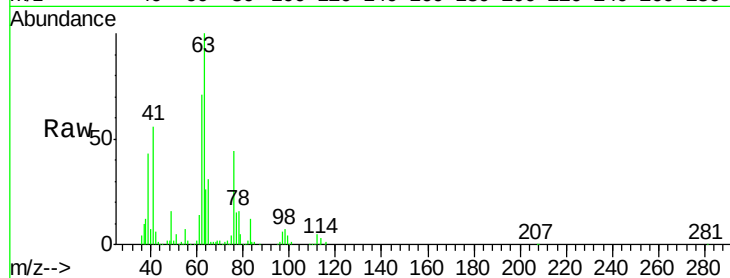
VSTD05082

Tgt Ion: 63 Resp: 166151

Ion Ratio Lower Upper

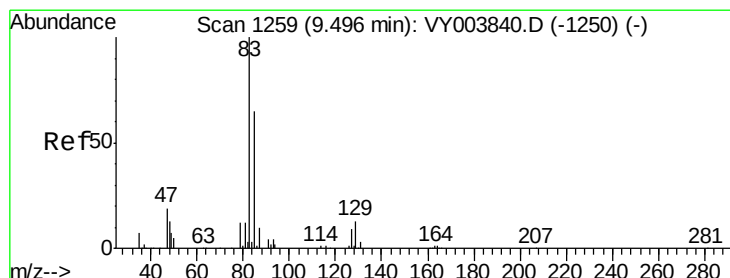
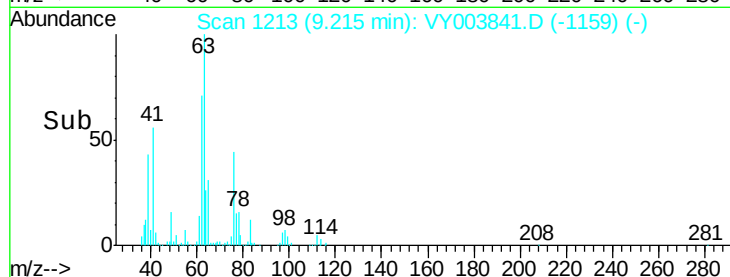
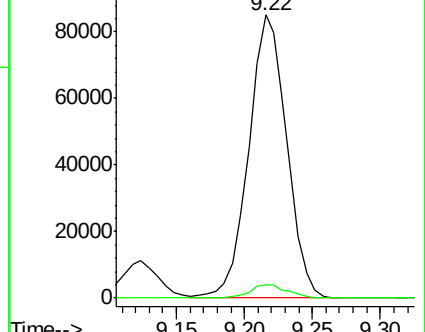
63 100

112 4.7 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 49.197 ug/L

RT: 9.50 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

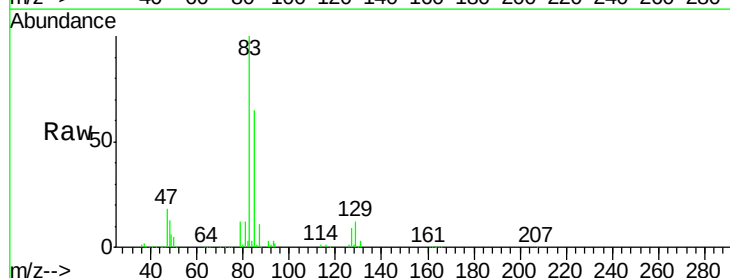
Tgt Ion: 83 Resp: 231857

Ion Ratio Lower Upper

83 100

85 64.8 45.8 85.0

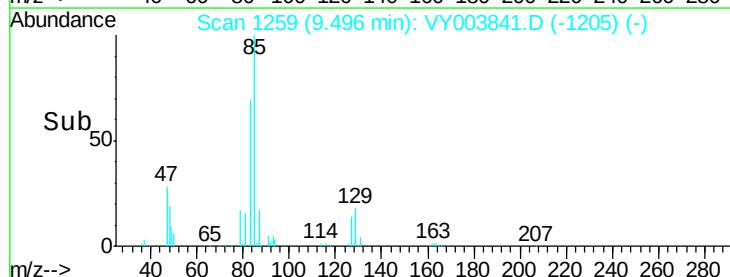
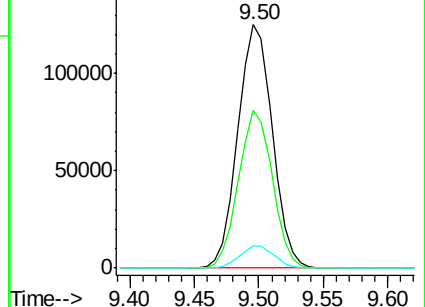
127 9.0 7.4 11.2

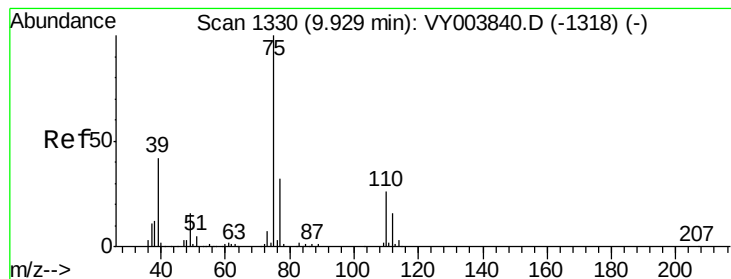


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 42.458 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

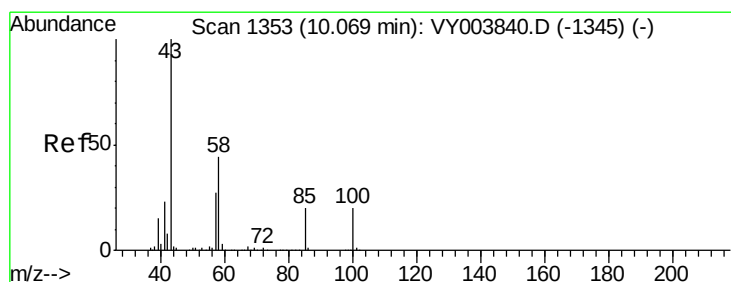
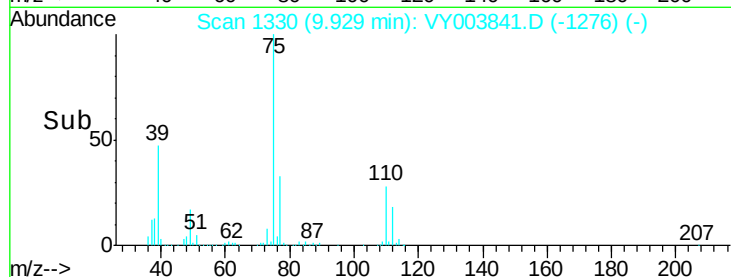
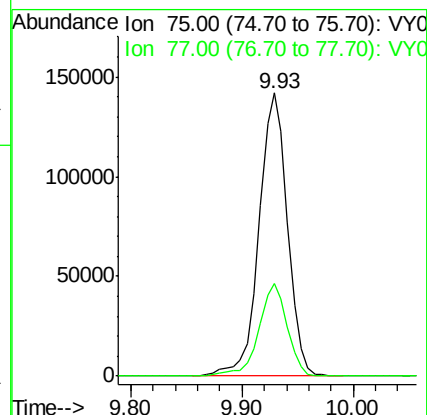
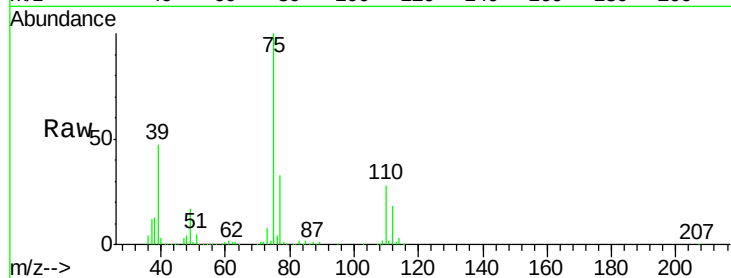
VSTD05082

Tgt Ion: 75 Resp: 252652

Ion Ratio Lower Upper

75 100

77 32.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 63.304 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

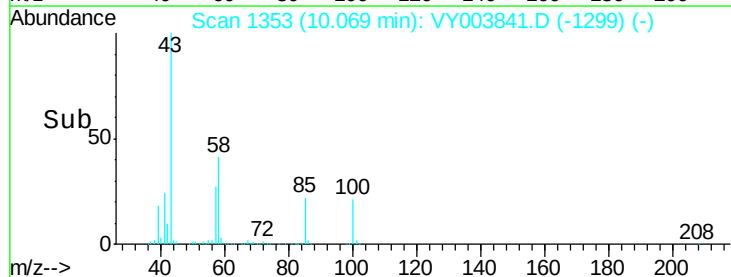
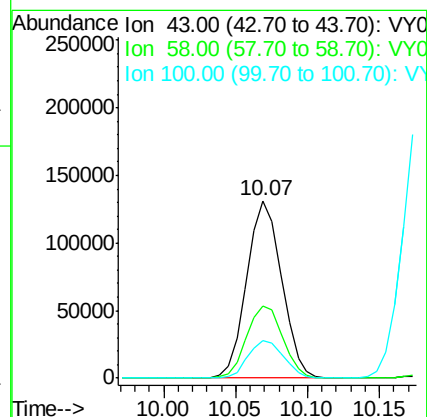
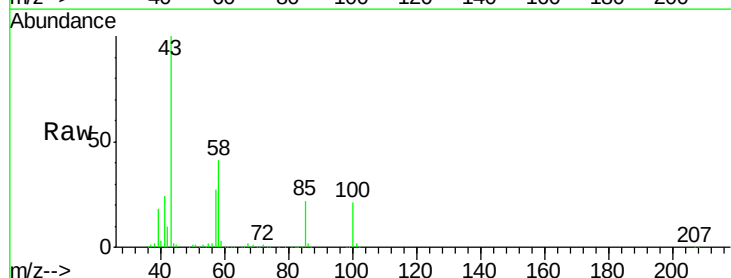
Tgt Ion: 43 Resp: 220300

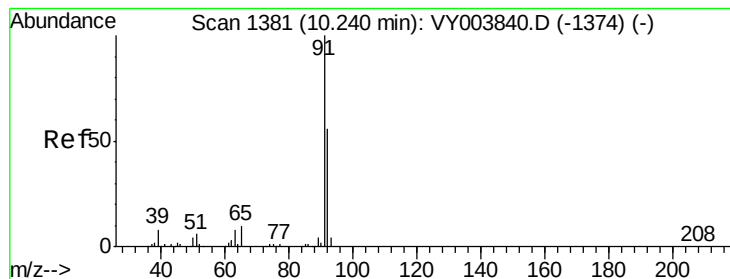
Ion Ratio Lower Upper

43 100

58 42.0 33.6 50.4

100 21.7 15.6 23.4





#44

Toluene

Concen: 45.036 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

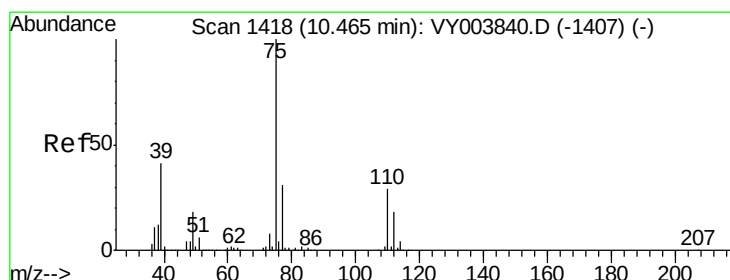
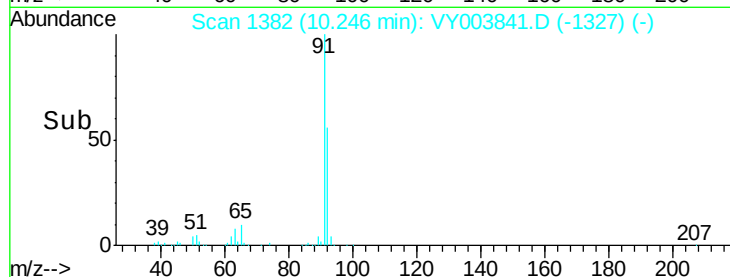
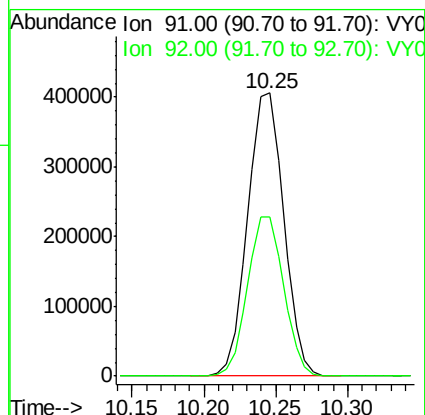
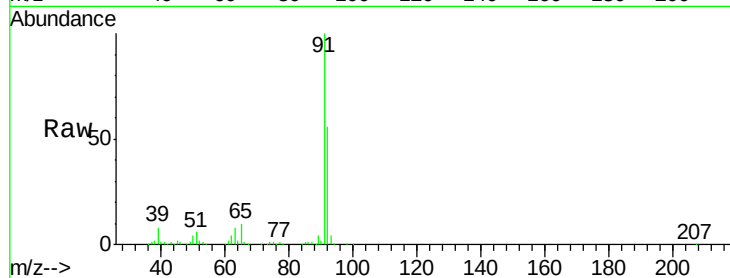
VSTD05082

Tgt Ion: 91 Resp: 704296

Ion Ratio Lower Upper

91 100

92 56.4 38.9 72.2



#45

trans-1,3-Dichloropropene

Concen: 49.790 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003841.D

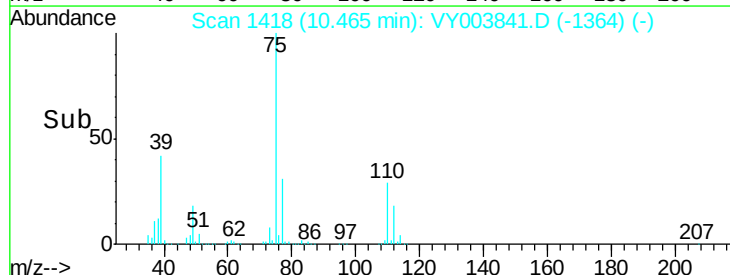
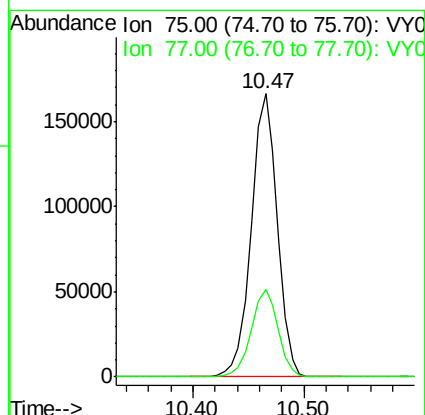
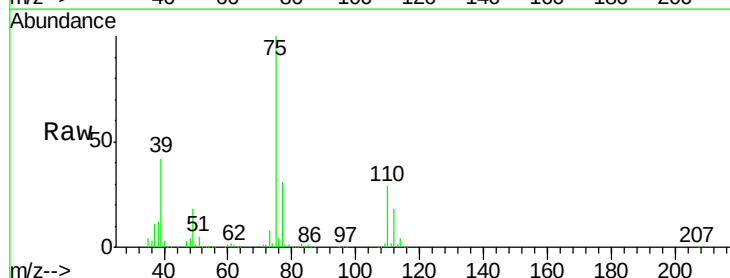
Acq: 23 Dec 2020 16:47

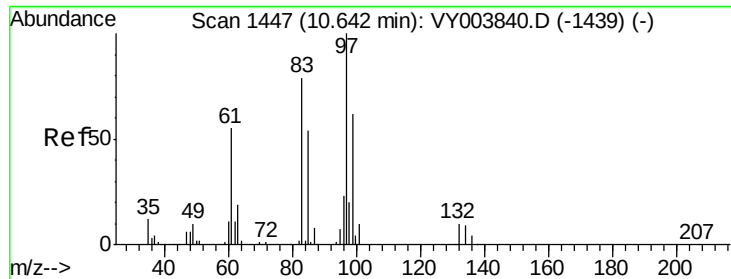
Tgt Ion: 75 Resp: 270739

Ion Ratio Lower Upper

75 100

77 31.1 21.9 40.7

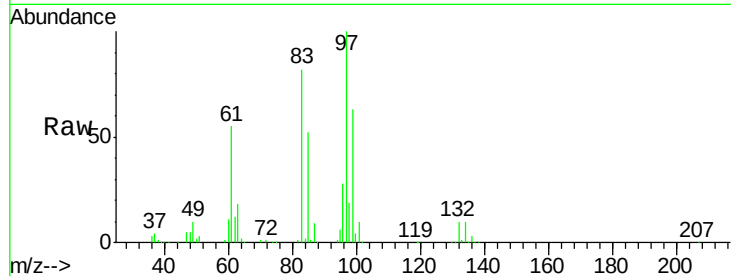




#46
 1,1,2-Trichloroethane
 Concen: 49.966 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05082

Tgt Ion:	97	Resp:	152995
Ion	Ratio	Lower	Upper
97	100		
83	82.2	55.5	103.1
85	52.1	37.5	69.7
99	63.2	43.8	81.3

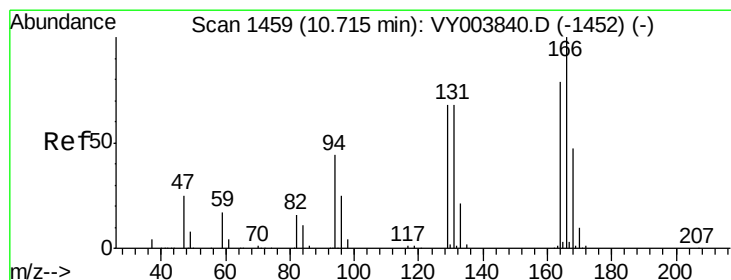
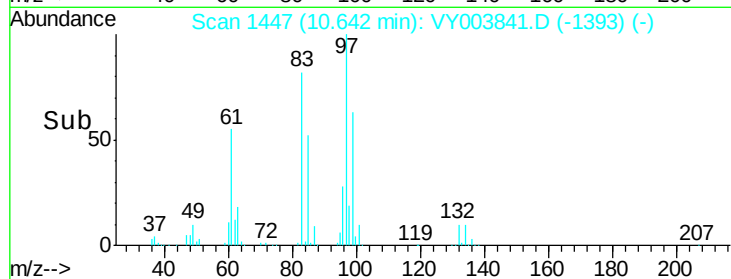
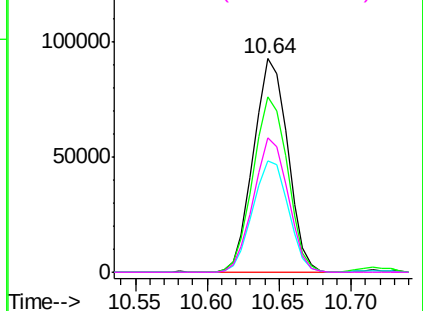


Abundance Ion 97.00 (96.70 to 97.70): VY003841.D (-1439) (-)

Ion 83.00 (82.70 to 83.70): VY003841.D (-1439) (-)

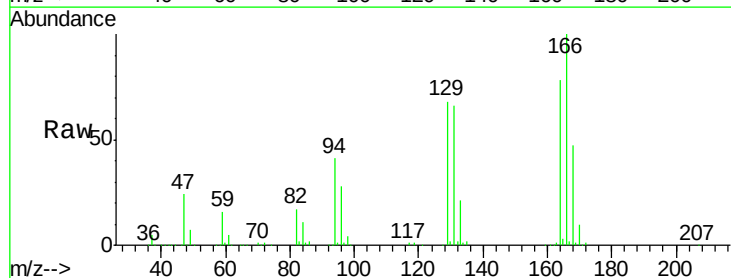
Ion 85.00 (84.70 to 85.70): VY003841.D (-1439) (-)

Ion 99.00 (98.70 to 99.70): VY003841.D (-1439) (-)



#47
 Tetrachloroethene
 Concen: 51.865 ug/L
 RT: 10.72 min Scan# 1459
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

Tgt Ion:	164	Resp:	165150
Ion	Ratio	Lower	Upper
164	100		
129	87.8	60.3	111.9
131	84.9	59.7	110.9
166	128.2	88.4	164.2

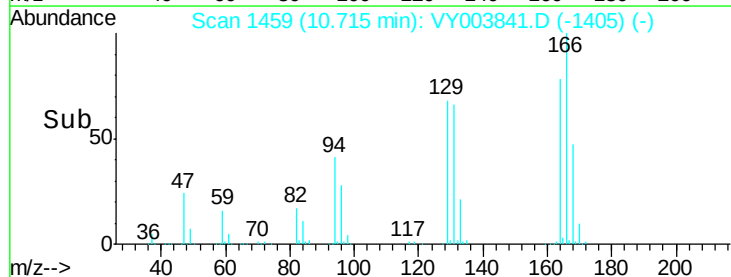
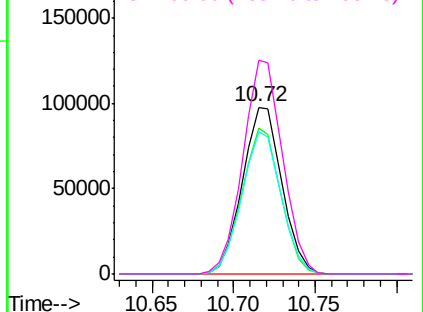


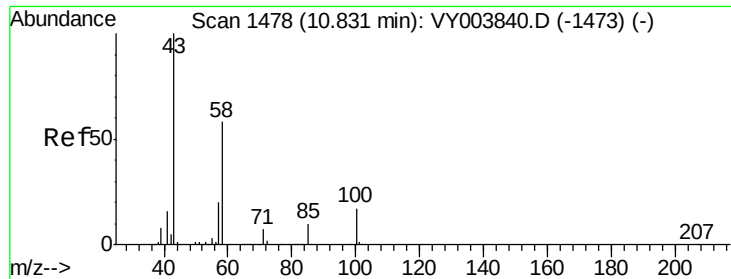
Abundance Ion 164.00 (163.70 to 164.70): VY003841.D (-1452) (-)

Ion 129.00 (128.70 to 129.70): VY003841.D (-1452) (-)

Ion 131.00 (130.70 to 131.70): VY003841.D (-1452) (-)

Ion 166.00 (165.70 to 166.70): VY003841.D (-1452) (-)

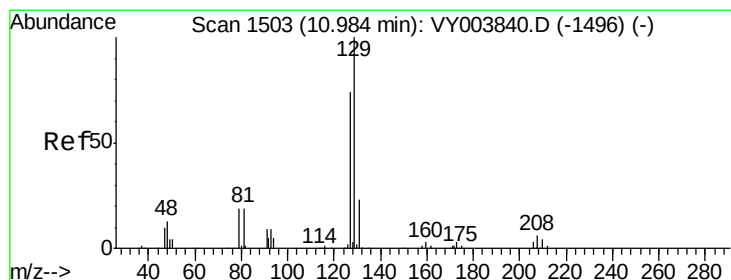
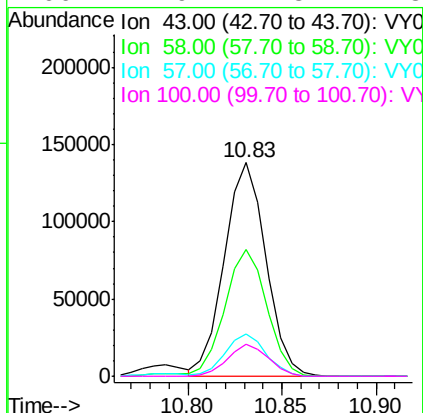
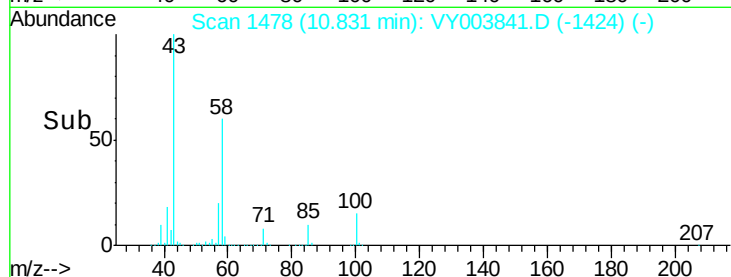
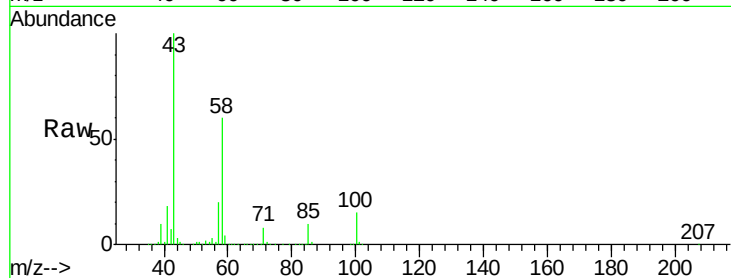




#49
2-Hexanone
Concen: 88.565 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003841.D
Acq: 23 Dec 2020 16:47

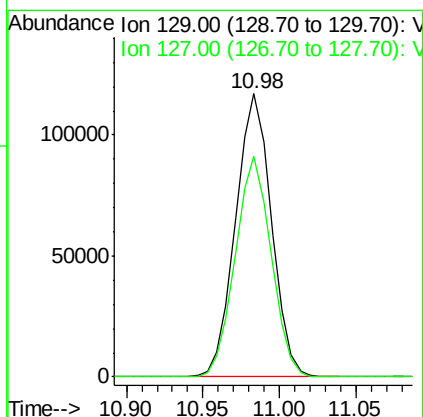
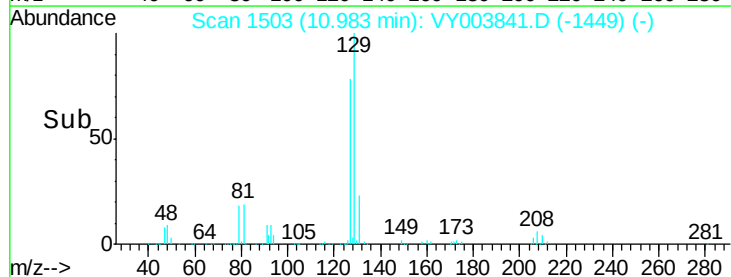
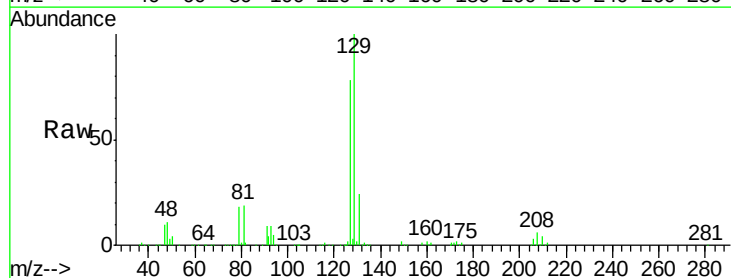
Instrument :
MSVOA_Y
ClientSampleId :
VSTD05082

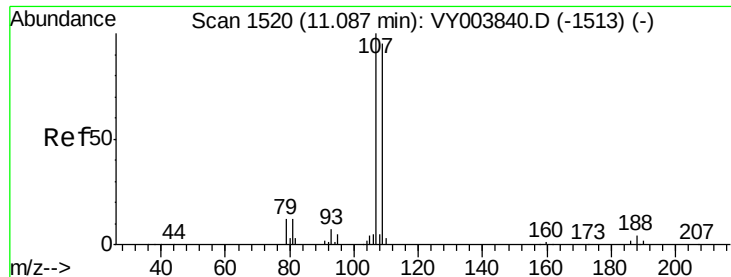
Tgt Ion:	43	Resp:	211125
Ion	Ratio	Lower	Upper
43	100		
58	60.2	47.1	70.7
57	19.7	15.5	23.3
100	14.9	11.8	17.8



#50
Dibromochloromethane
Concen: 52.600 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003841.D
Acq: 23 Dec 2020 16:47

Tgt Ion:	129	Resp:	190503
Ion	Ratio	Lower	Upper
129	100		
127	77.9	52.0	96.6

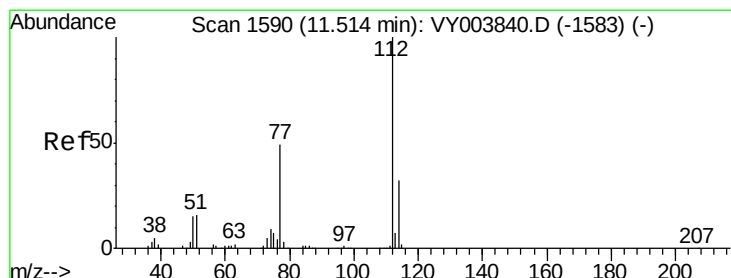
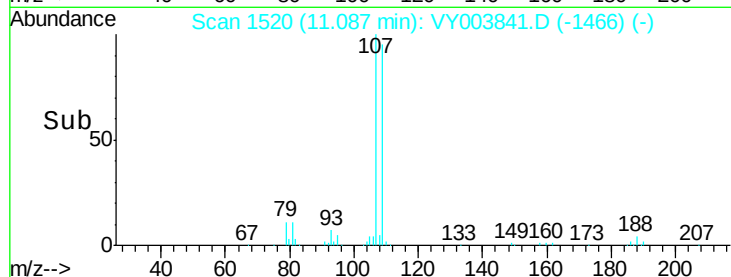
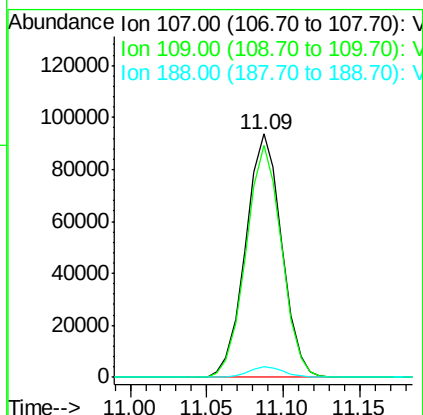
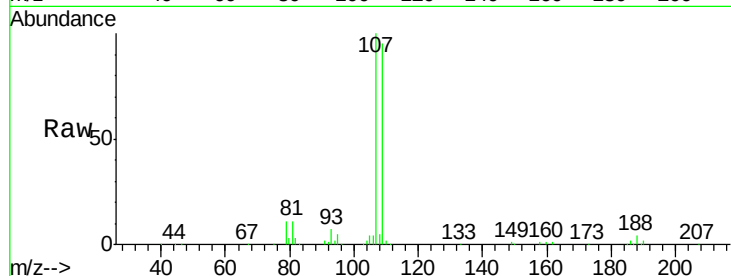




#51
 1,2-Dibromoethane
 Concen: 51.033 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

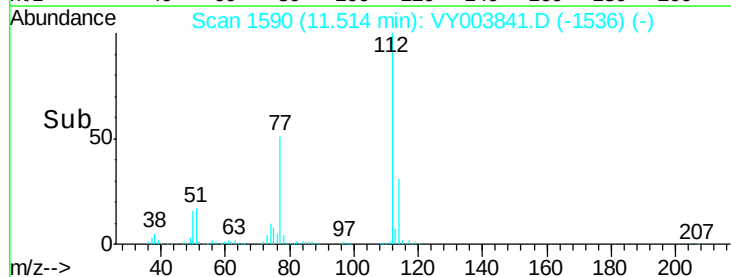
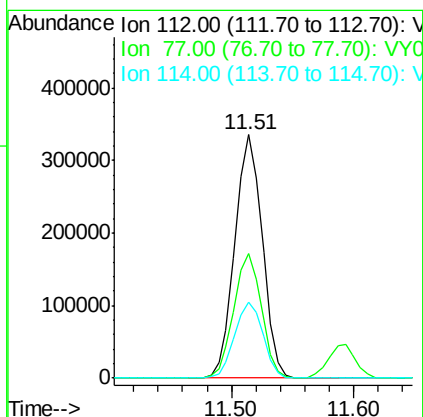
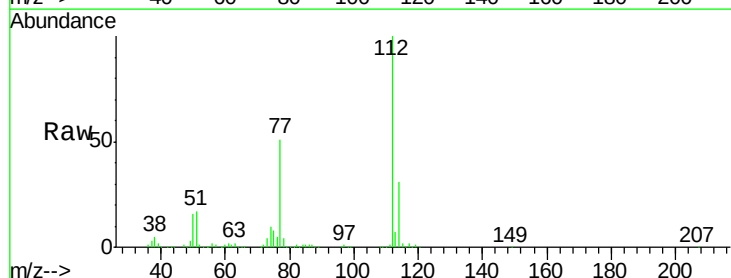
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05082

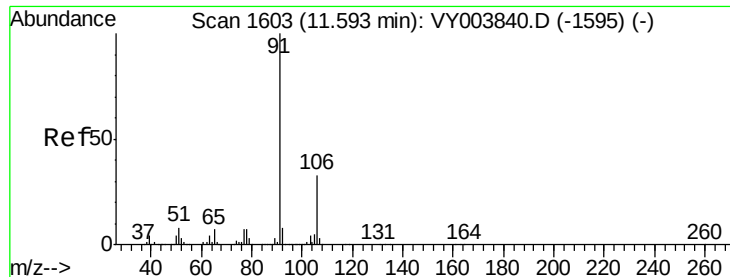
Tgt Ion:107 Resp: 153844
 Ion Ratio Lower Upper
 107 100
 109 95.1 66.4 123.2
 188 4.3 3.4 5.2



#52
 Chlorobenzene
 Concen: 51.619 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

Tgt Ion:112 Resp: 520547
 Ion Ratio Lower Upper
 112 100
 77 51.4 39.7 59.5
 114 31.3 22.5 41.7





#53

Ethylbenzene

Concen: 50.928 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

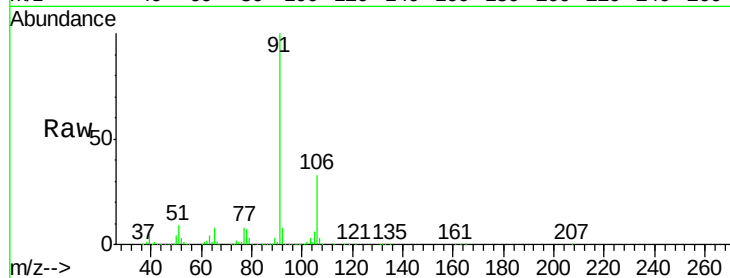
VSTD05082

Tgt Ion: 91 Resp: 868261

Ion Ratio Lower Upper

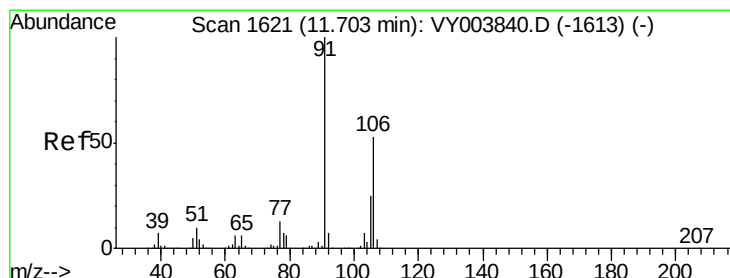
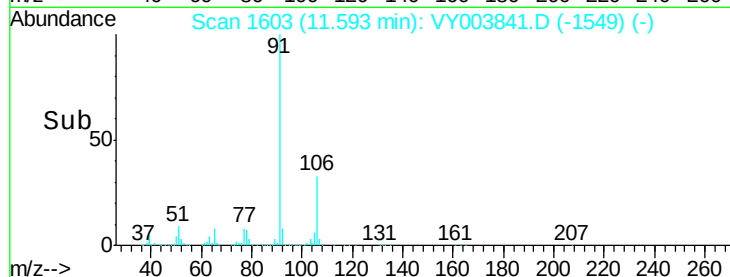
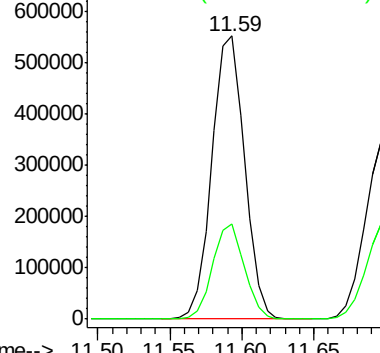
91 100

106 33.5 23.2 43.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 52.290 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003841.D

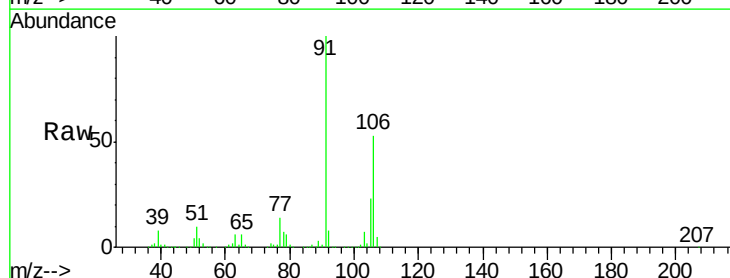
Acq: 23 Dec 2020 16:47

Tgt Ion: 106 Resp: 346494

Ion Ratio Lower Upper

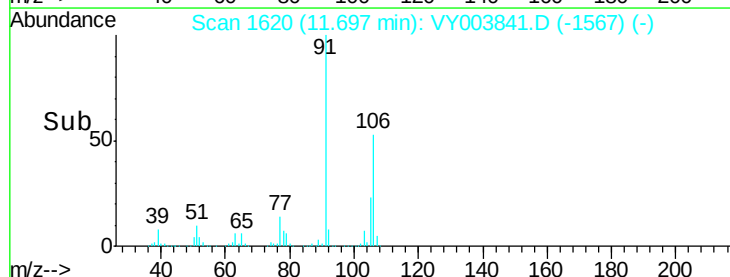
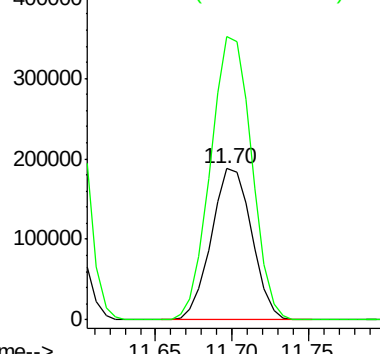
106 100

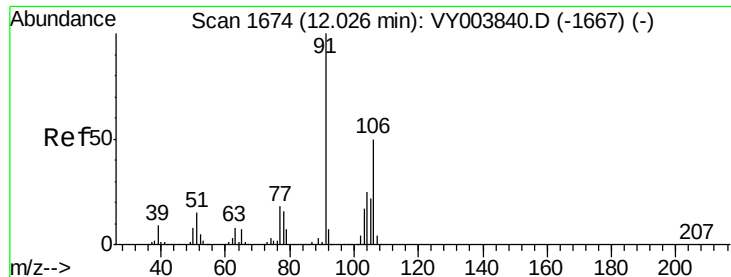
91 187.5 131.3 243.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#55

o-xylene

Concen: 53.185 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

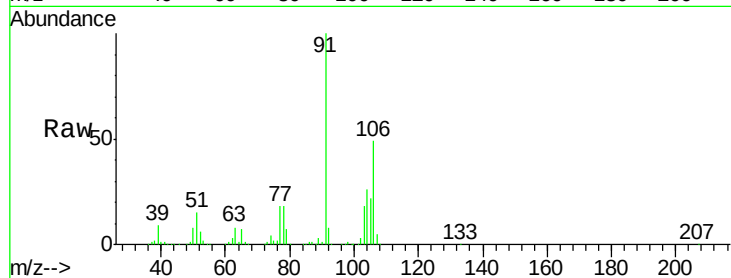
VSTD05082

Tgt Ion:106 Resp: 330529

Ion Ratio Lower Upper

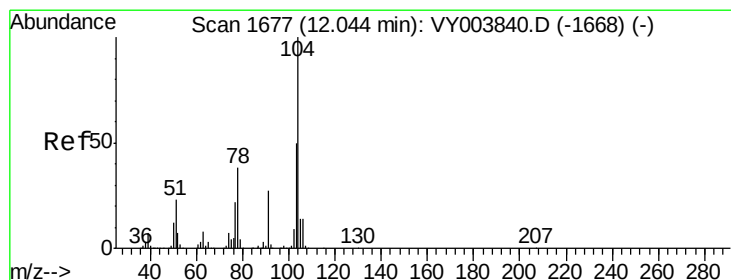
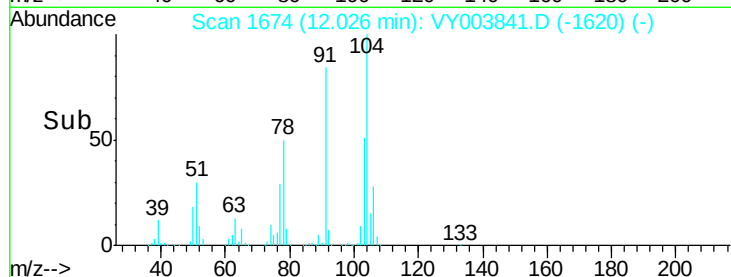
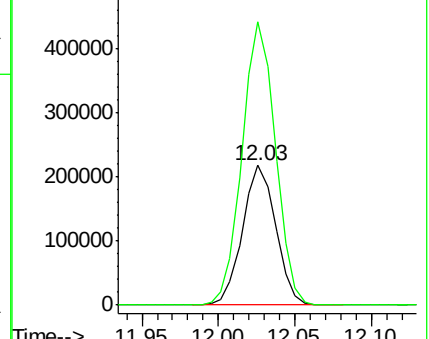
106 100

91 202.8 140.2 260.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#56

Styrene

Concen: 54.023 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003841.D

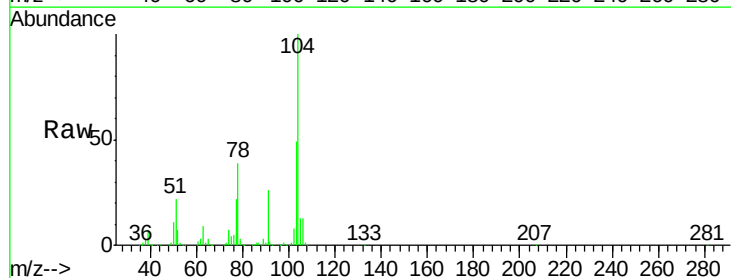
Acq: 23 Dec 2020 16:47

Tgt Ion:104 Resp: 575045

Ion Ratio Lower Upper

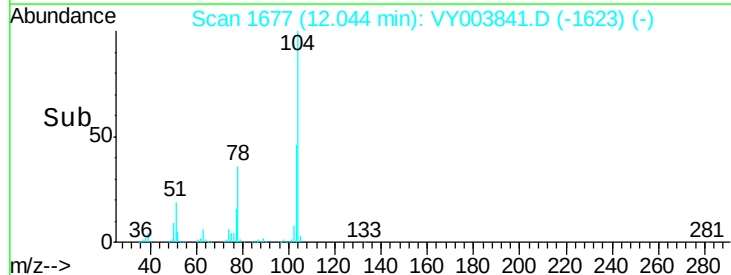
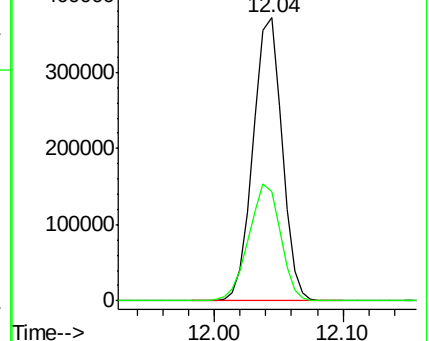
104 100

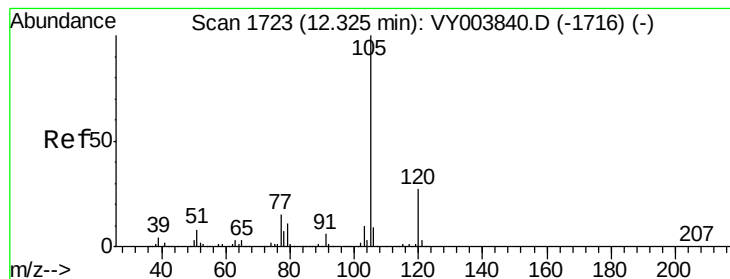
78 38.8 26.7 49.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 52.555 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05082

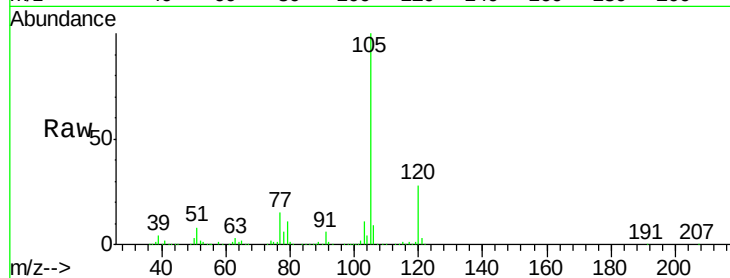
Tgt Ion: 105 Resp: 871931

Ion Ratio Lower Upper

105 100

120 28.3 22.6 34.0

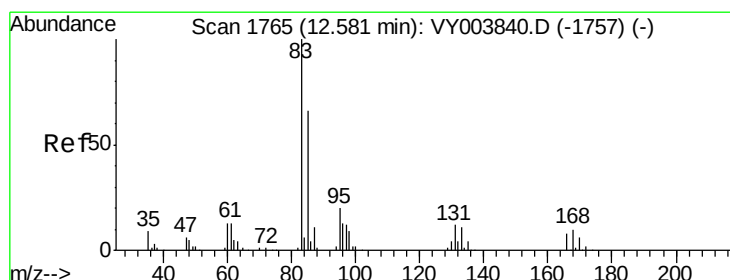
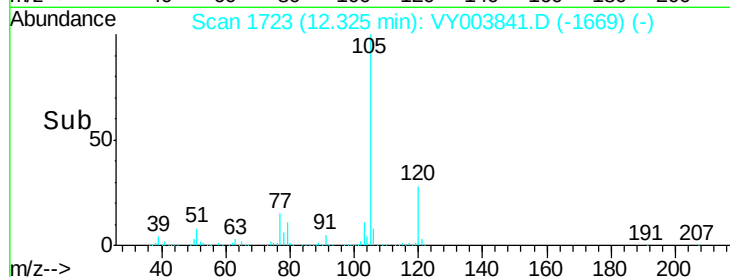
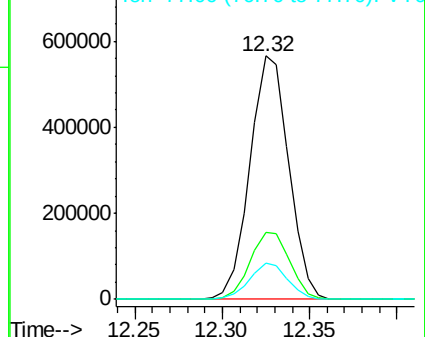
77 14.6 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.418 ug/L

RT: 12.58 min Scan# 1765

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

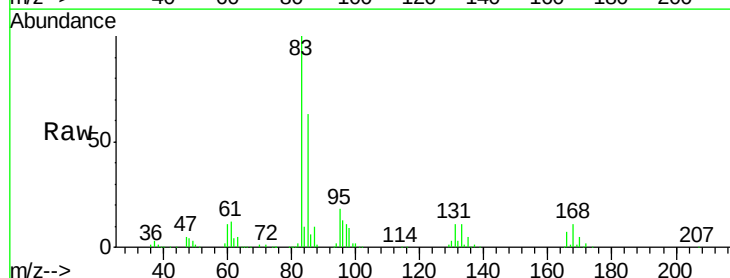
Tgt Ion: 83 Resp: 178510

Ion Ratio Lower Upper

83 100

85 63.0 46.1 85.5

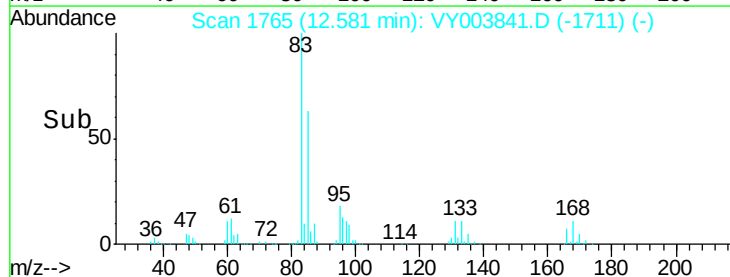
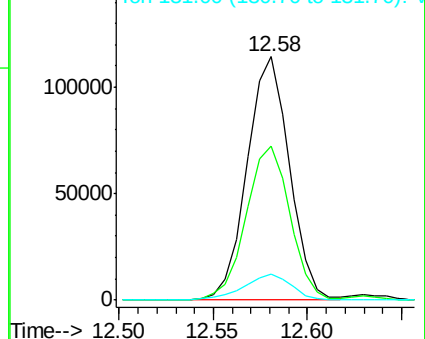
131 10.7 9.4 14.0

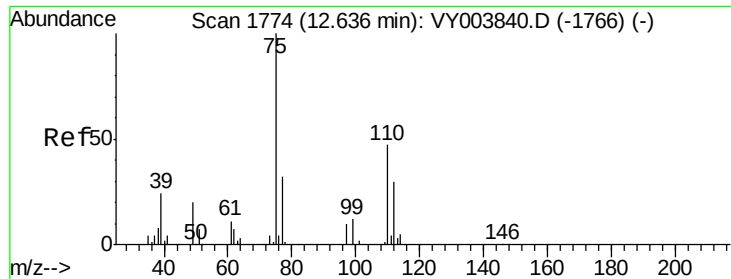


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.060 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

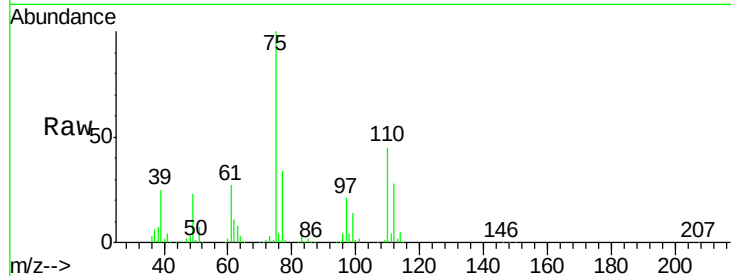
VSTD05082

Tgt Ion: 75 Resp: 143280

Ion Ratio Lower Upper

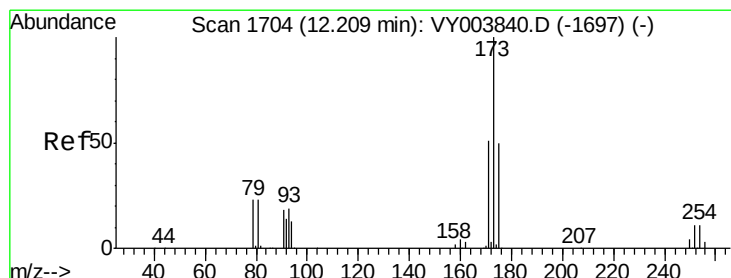
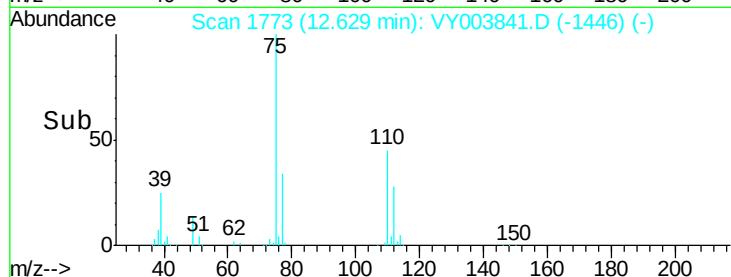
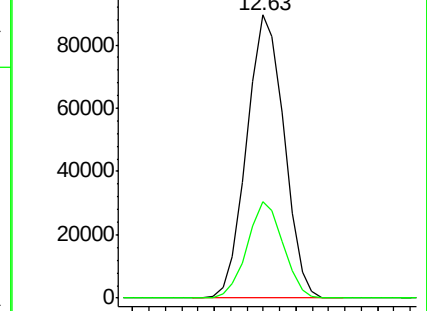
75 100

77 32.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VY003841.D (-1766) (-)

Ion 77.00 (76.70 to 77.70): VY003841.D (-1766) (-)



#62

Bromoform

Concen: 51.447 ug/L

RT: 12.21 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

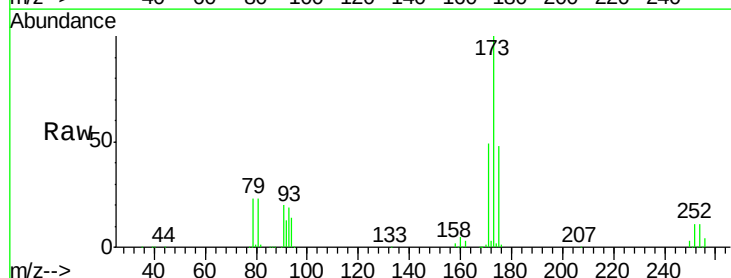
Tgt Ion: 173 Resp: 135341

Ion Ratio Lower Upper

173 100

175 48.3 39.4 59.0

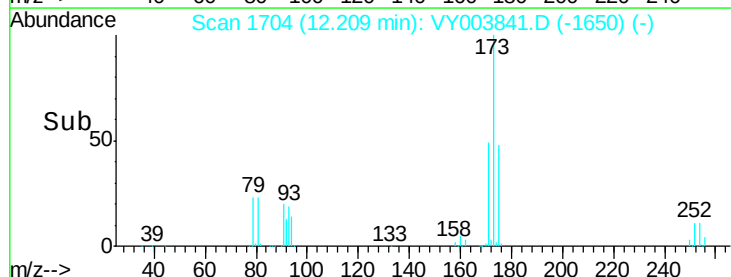
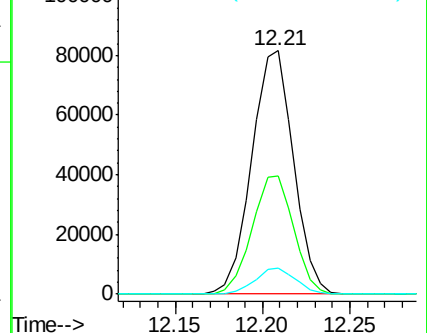
254 10.3 8.1 12.1

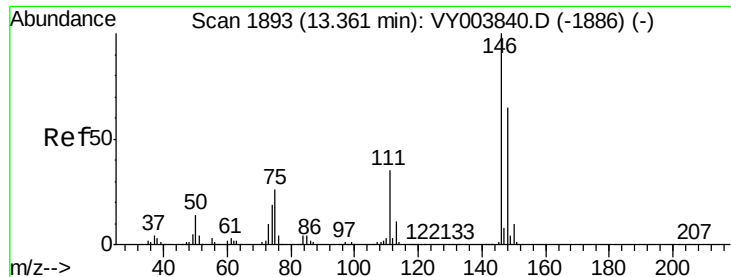


Abundance Ion 173.00 (172.70 to 173.70): VY003841.D (-1697) (-)

Ion 175.00 (174.70 to 175.70): VY003841.D (-1697) (-)

Ion 254.00 (253.70 to 254.70): VY003841.D (-1697) (-)

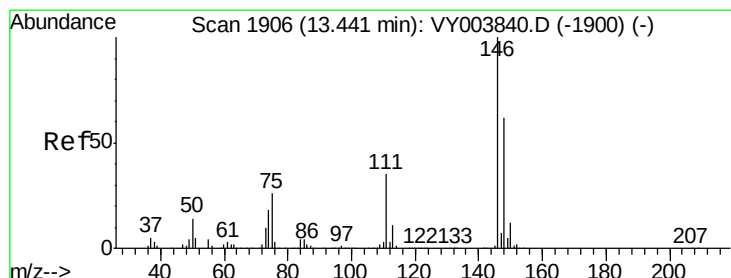
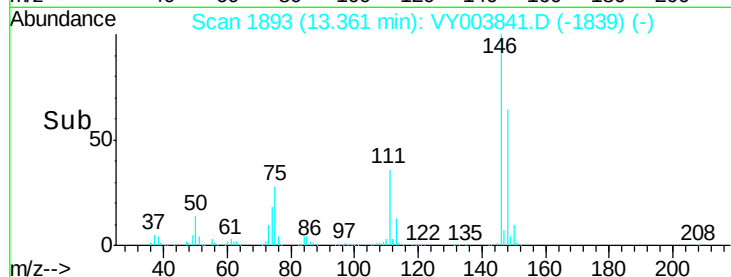
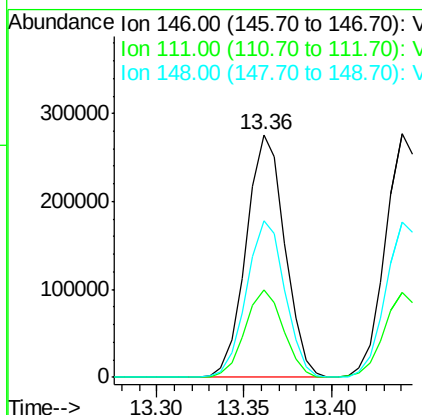
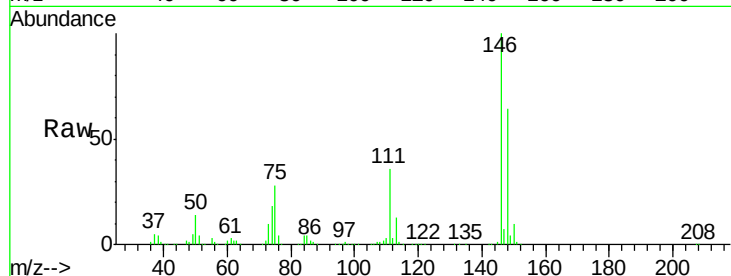




#63
 1,3-Dichlorobenzene
 Concen: 50.985 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

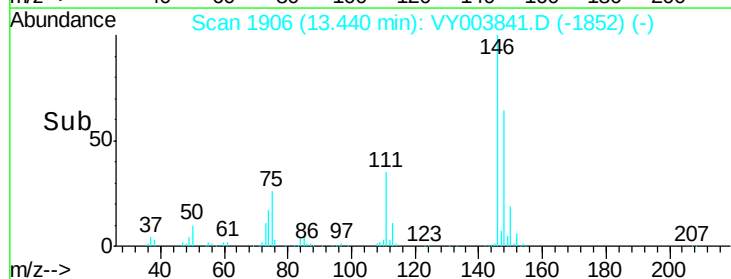
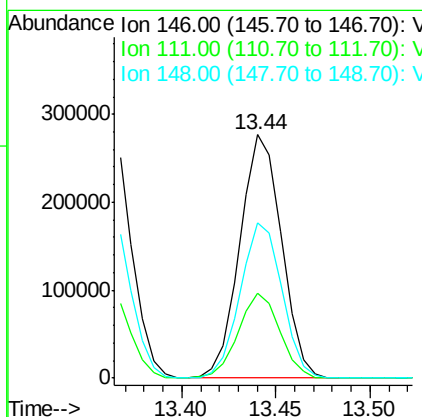
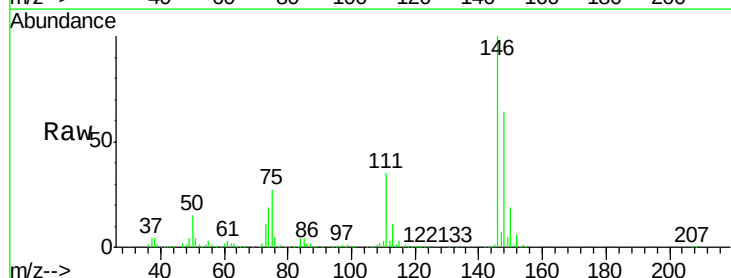
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05082

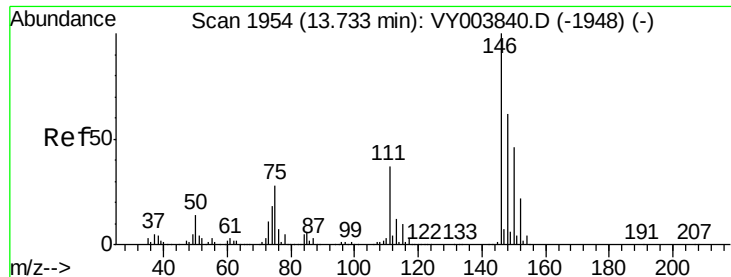
Tgt Ion:146 Resp: 422985
 Ion Ratio Lower Upper
 146 100
 111 36.1 24.4 45.2
 148 64.5 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 49.965 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

Tgt Ion:146 Resp: 424686
 Ion Ratio Lower Upper
 146 100
 111 35.0 24.6 45.6
 148 63.8 43.3 80.3

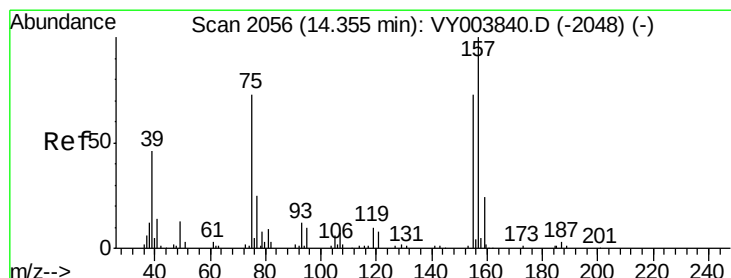
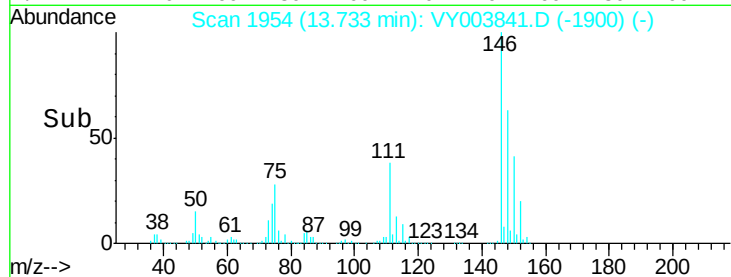
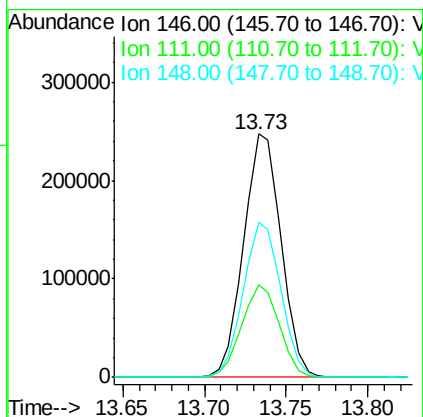
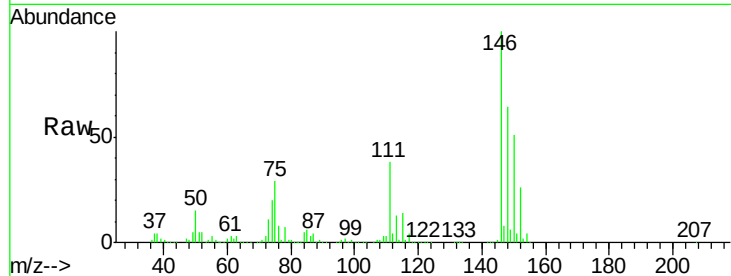




#65
 1,2-Dichlorobenzene
 Concen: 51.203 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

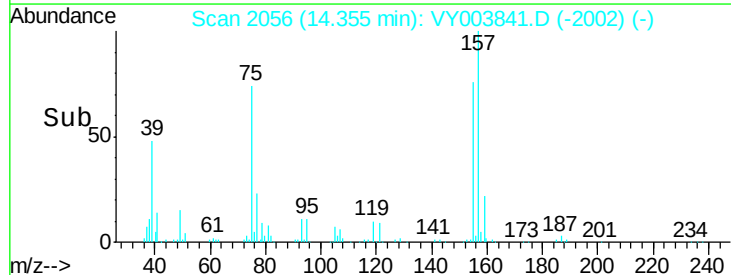
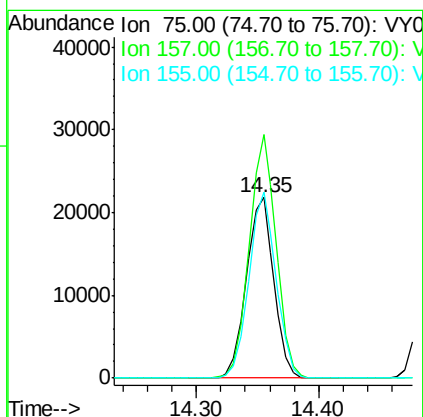
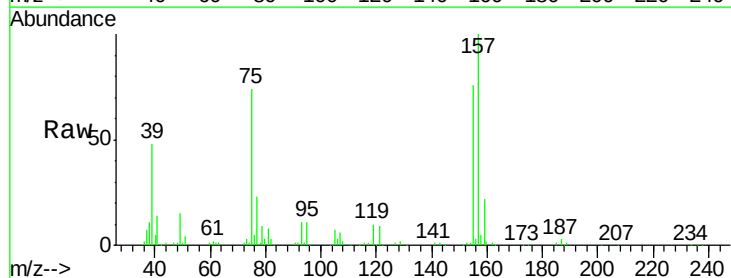
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05082

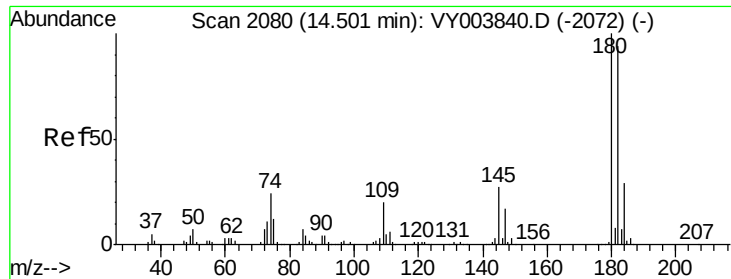
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	29.8	44.8
148	63.5	49.8	74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.179 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

Tgt Ion	Ratio	Lower	Upper
75	100		
157	134.9	109.7	164.5
155	103.2	80.0	120.0

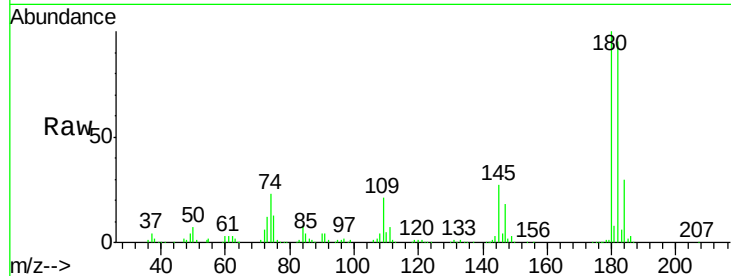




#67
 1,3,5-Trichlorobenzene
 Concen: 51.762 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD05082

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
184	30.3	24.1	36.1
145	27.6	22.0	33.0

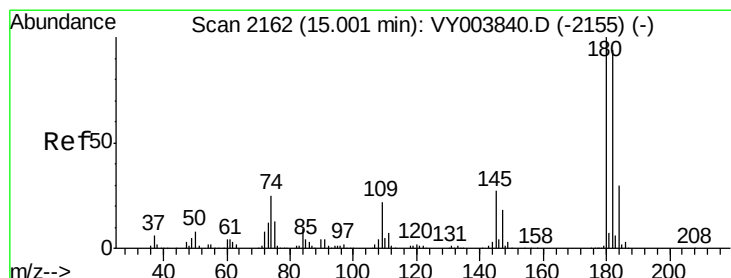
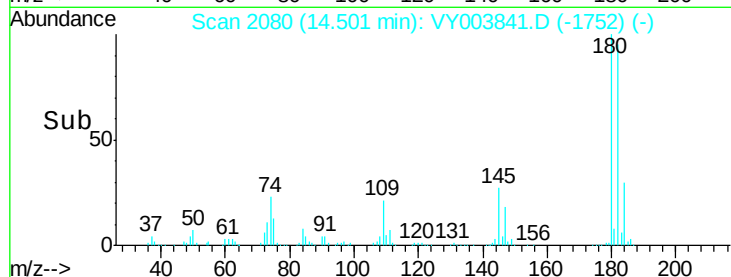
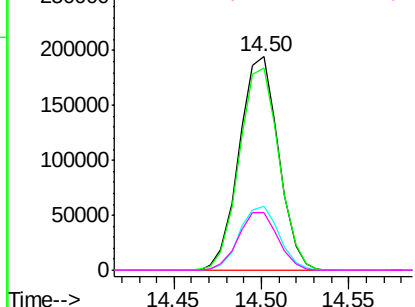


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

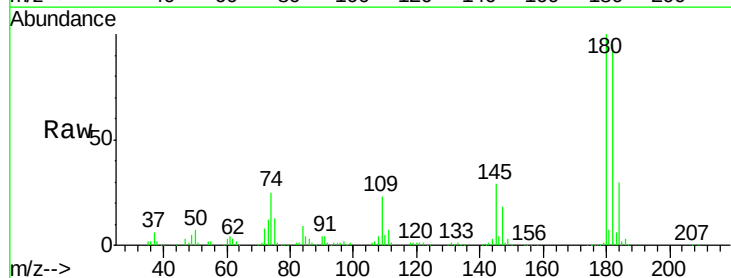
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.323 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VY003841.D
 Acq: 23 Dec 2020 16:47

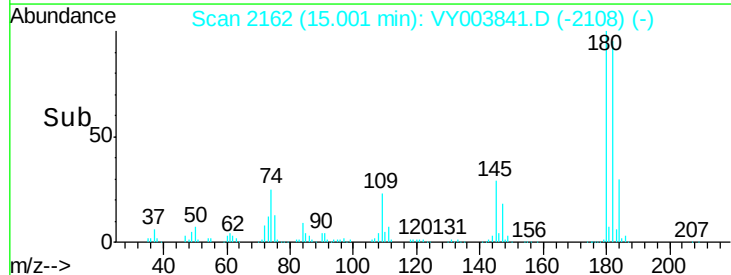
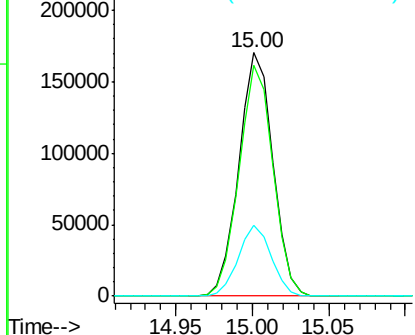
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.2	112.8
145	28.2	22.2	33.2

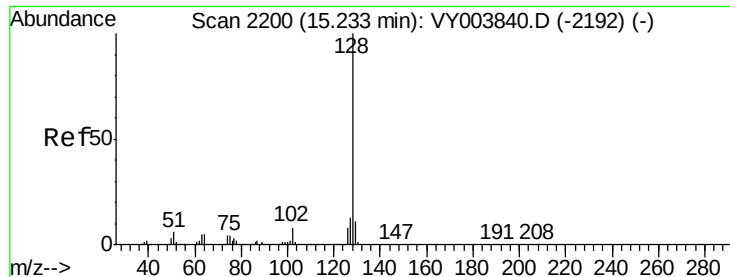


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.354 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTD05082

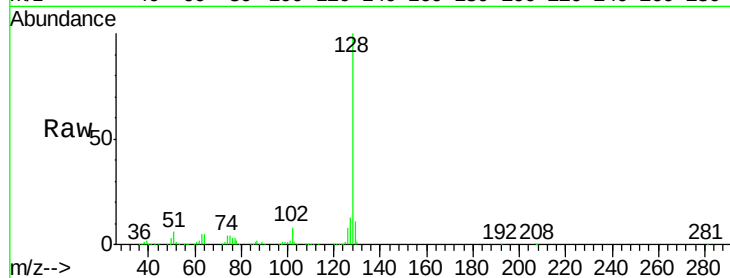
Tgt Ion:128 Resp: 610211

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

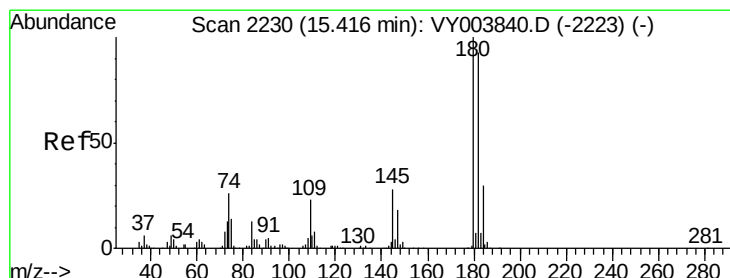
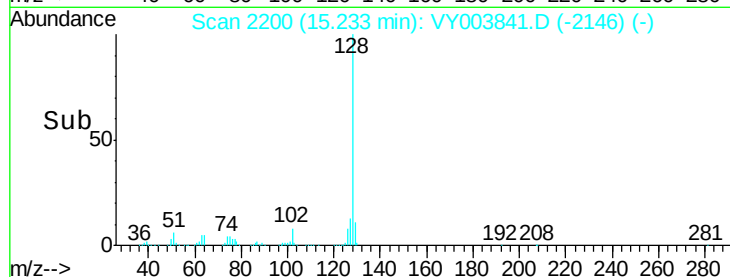
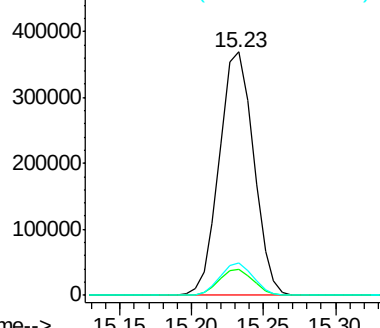
127 13.0 10.7 16.1



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: 52.071 ug/L

RT: 15.42 min Scan# 2230

Delta R.T. -0.00 min

Lab File: VY003841.D

Acq: 23 Dec 2020 16:47

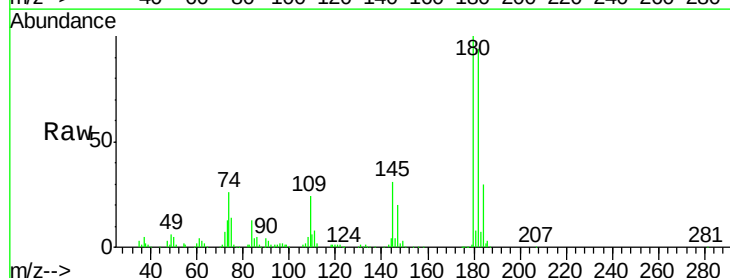
Tgt Ion:180 Resp: 236693

Ion Ratio Lower Upper

180 100

182 94.3 76.5 114.7

145 29.8 24.2 36.2



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

