

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120120\
 Data File : VY003630.D
 Acq On : 01 Dec 2020 11:34
 Operator : SY/MD
 Sample : VSTD02531
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025406

Quant Time: Dec 01 11:56:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 01 11:48:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	250321	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	235119	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	121930	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	77017	21.44	ug/L	0.00
7) Chloroethane-d5	2.77	69	61855	22.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	162634	23.47	ug/L	0.00
21) 2-Butanone-d5	6.90	46	74742	55.43	ug/L	0.00
24) Chloroform-d	7.48	84	164370	25.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	88334	24.03	ug/L	0.00
32) Benzene-d6	8.12	84	339492	24.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	103962	25.34	ug/L	0.00
41) Toluene-d8	10.18	98	308072	24.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	49919	25.09	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	58114	56.80	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	106953	26.07	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	113427	25.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	70691	23.636 ug/L	98
3) Chloromethane	2.11	50	77398	22.684 ug/L	100
5) Vinyl chloride	2.25	62	85114	23.347 ug/L	97
6) Bromomethane	2.66	94	52225	21.609 ug/L	97
8) Chloroethane	2.80	64	52230	23.978 ug/L	96
9) Trichlorofluoromethane	3.13	101	131360	23.839 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	85797	24.844 ug/L	99
12) 1,1-Dichloroethene	3.88	96	82067	25.237 ug/L	95
13) Acetone	3.95	43	51759	47.107 ug/L	92
14) Carbon disulfide	4.20	76	278942	25.182 ug/L	98
15) Methyl Acetate	4.48	43	61315	26.011 ug/L	98
16) Methylene chloride	4.73	84	96043	19.251 ug/L	96
17) trans-1,2-Dichloroethene	5.23	96	90844	25.762 ug/L	98
18) Methyl tert-butyl Ether	5.23	73	223689	25.740 ug/L	100
19) 1,1-Dichloroethane	6.03	63	155563	25.344 ug/L	98
20) cis-1,2-Dichloroethene	7.00	96	94386	25.036 ug/L	99
22) 2-Butanone	7.00	43	84605	50.941 ug/L	97
23) Bromochloromethane	7.34	128	47106	25.518 ug/L	96
25) Chloroform	7.51	83	153642	24.907 ug/L	100
27) 1,2-Dichloroethane	8.24	62	100462	24.522 ug/L	# 93
29) Cyclohexane	7.79	56	145807	25.734 ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	135916	24.386 ug/L	99
31) Carbon tetrachloride	7.90	117	124277	24.602 ug/L	97
33) Benzene	8.17	78	366526	25.376 ug/L	100
34) Trichloroethene	8.94	95	89271	24.848 ug/L	99
35) Methylcyclohexane	9.18	83	157478	25.362 ug/L	99
37) 1,2-Dichloropropane	9.22	63	93217	25.669 ug/L	99
38) Bromodichloromethane	9.50	83	116002	25.049 ug/L	99
39) cis-1,3-Dichloropropene	9.93	75	145390	25.577 ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	164776	51.368 ug/L	100

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

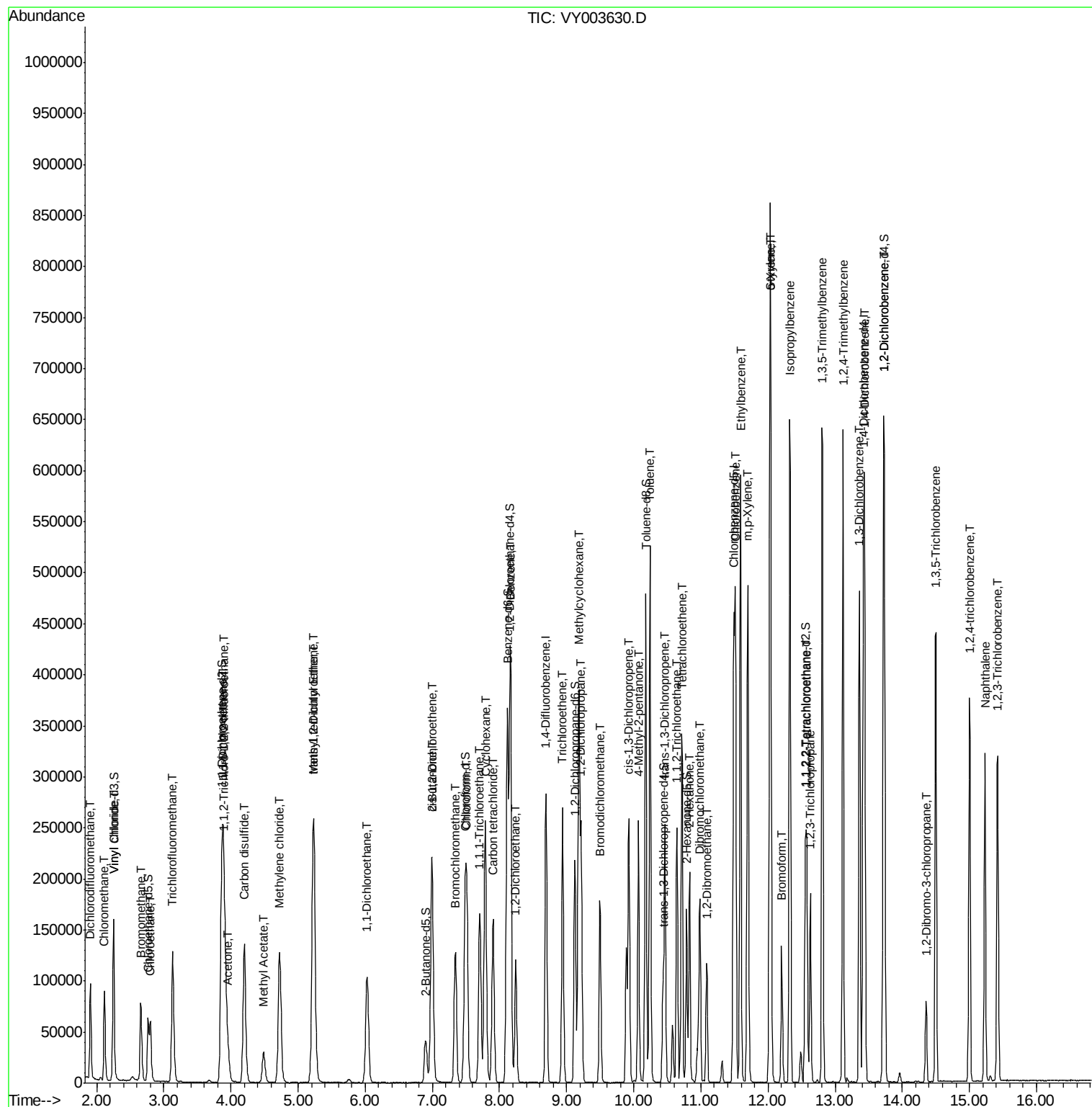
42) Toluene	10.25	91	387466	25.377	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	132877	25.473	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	77363	25.606	ug/L	98
46) Tetrachloroethene	10.72	164	78014	24.953	ug/L	97
48) 2-Hexanone	10.83	43	124735	54.507	ug/L	98
49) Dibromochloromethane	10.98	129	90403	25.478	ug/L	99
50) 1,2-Dibromoethane	11.09	107	74979	25.804	ug/L #	99
51) Chlorobenzene	11.51	112	247164	25.488	ug/L	98
52) Ethylbenzene	11.59	91	416300	25.383	ug/L	100
53) m,p-Xylene	11.70	106	163199	25.968	ug/L	97
54) o-Xylene	12.03	106	154521	25.833	ug/L	100
55) Styrene	12.04	104	267012	26.040	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.58	83	103324	25.894	ug/L	97
59) Bromoform	12.20	173	60557	24.929	ug/L	97
60) Isopropylbenzene	12.32	105	408108	25.464	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	74536	25.568	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	332818	26.397	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	327261	26.418	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	195066	25.637	ug/L	96
65) 1,4-Dichlorobenzene	13.44	146	195196	25.051	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	180063	25.514	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	17518	26.449	ug/L	89
69) 1,3,5-Trichlorobenzene	14.50	180	138539	26.324	ug/L	100
70) 1,2,4-trichlorobenzene	15.00	180	116748	25.758	ug/L	99
71) Naphthalene	15.23	128	258568	27.400	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	108311	26.060	ug/L	99

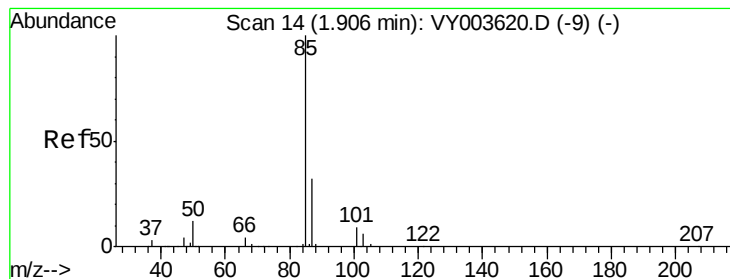
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.636 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

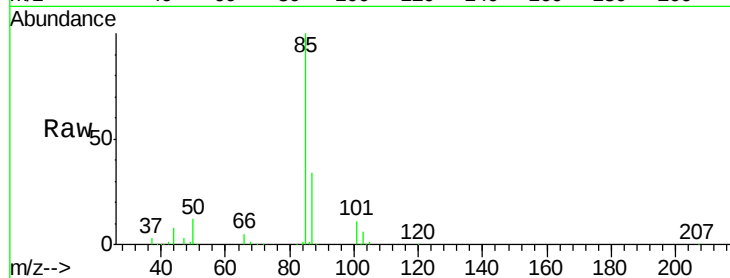
VSTD025406

Tgt Ion: 85 Resp: 70691

Ion Ratio Lower Upper

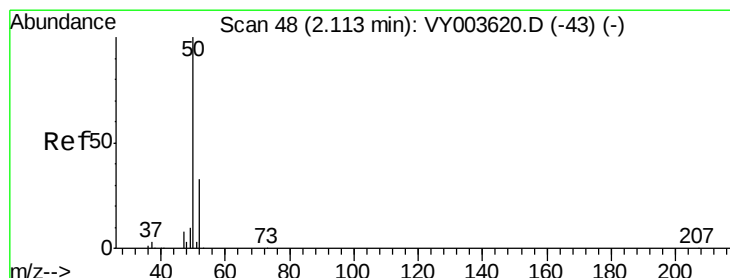
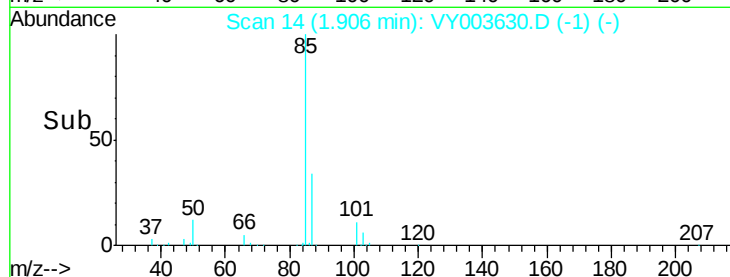
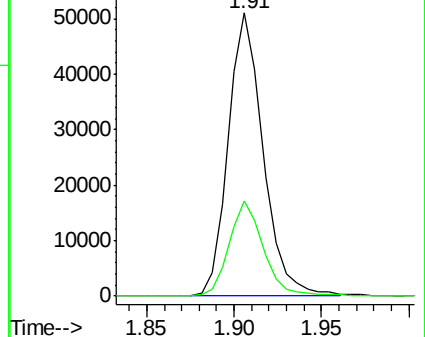
85 100

87 32.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY003620.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VY003620.D (-9) (-)



#3

Chloromethane

Concen: 22.684 ug/L

RT: 2.11 min Scan# 48

Delta R.T. -0.00 min

Lab File: VY003630.D

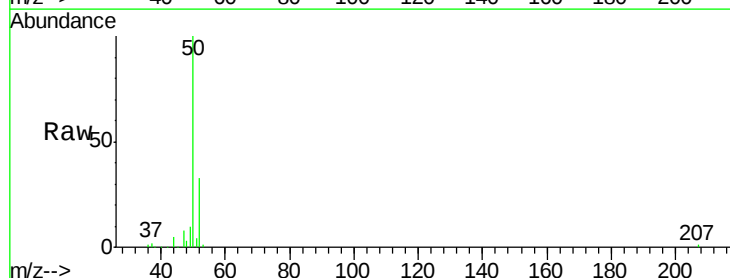
Acq: 01 Dec 2020 11:34

Tgt Ion: 50 Resp: 77398

Ion Ratio Lower Upper

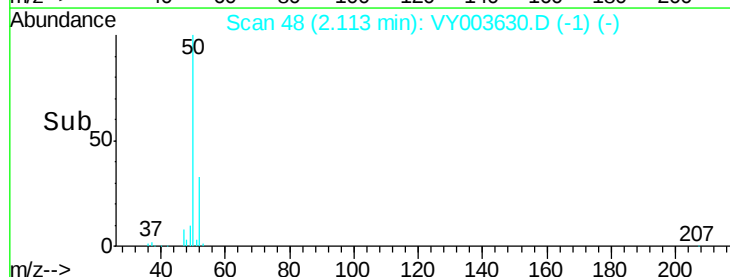
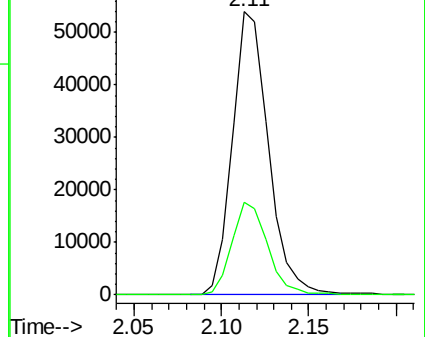
50 100

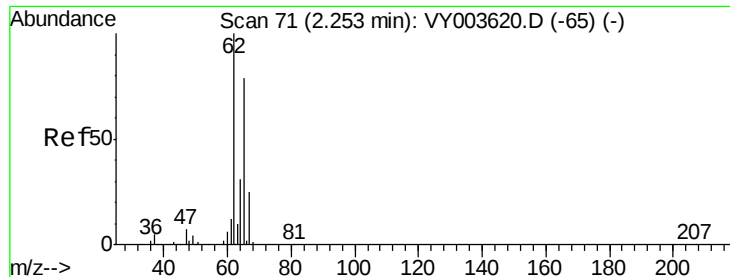
52 32.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VY003620.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VY003620.D (-43) (-)





#5

Vinyl chloride

Concen: 23.347 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

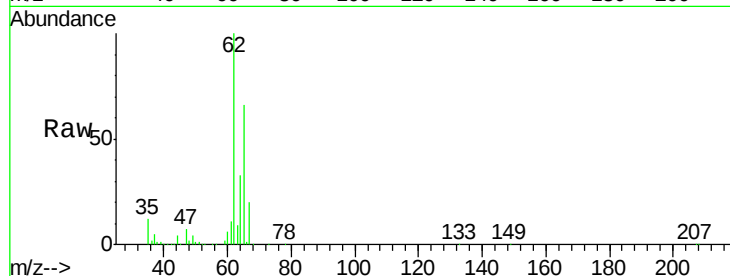
VSTD025406

Tgt Ion: 62 Resp: 85114

Ion Ratio Lower Upper

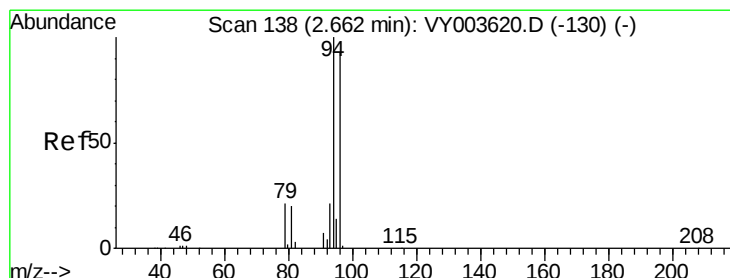
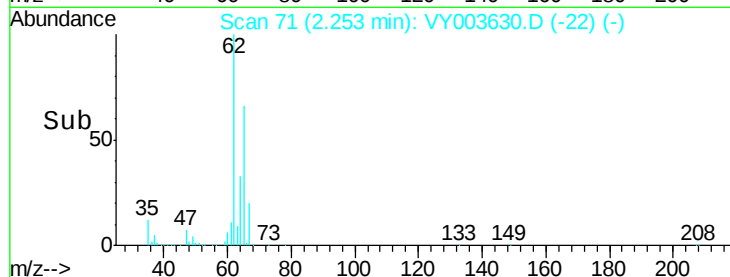
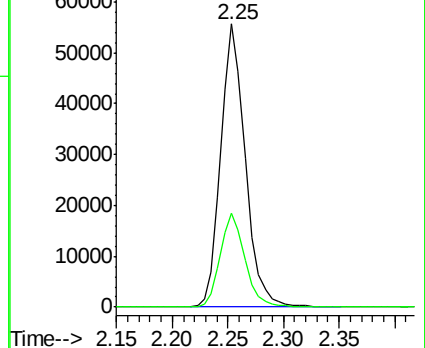
62 100

64 33.1 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 21.609 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003630.D

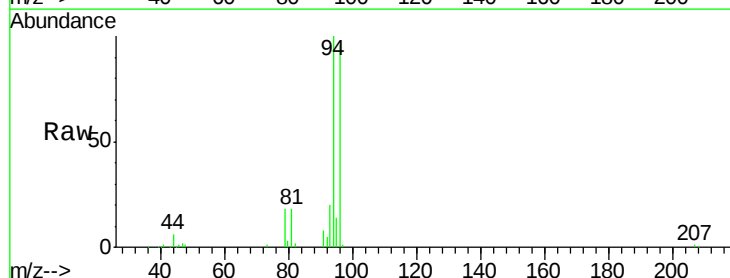
Acq: 01 Dec 2020 11:34

Tgt Ion: 94 Resp: 52225

Ion Ratio Lower Upper

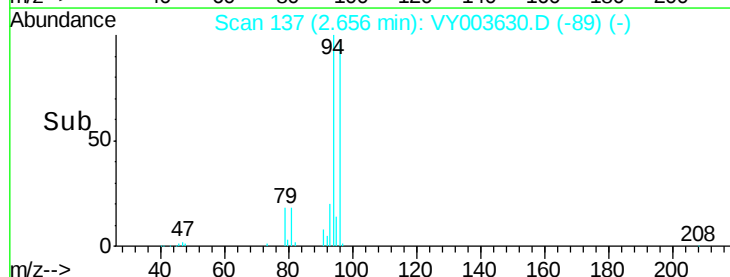
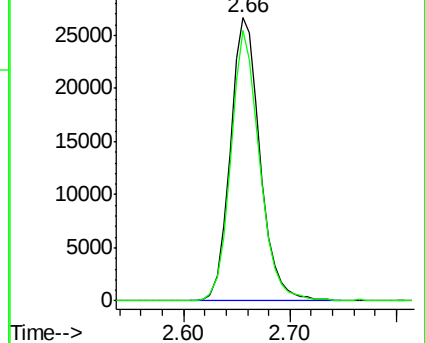
94 100

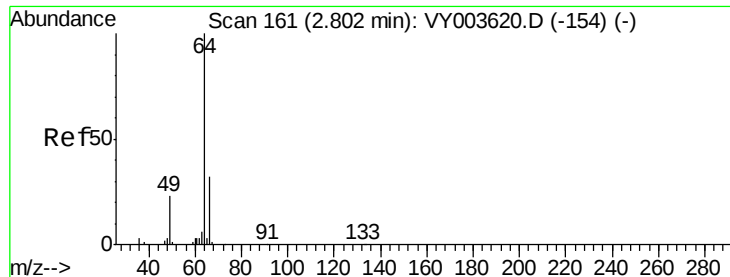
96 95.8 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 23.978 ug/L

RT: 2.80 min Scan# 161

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

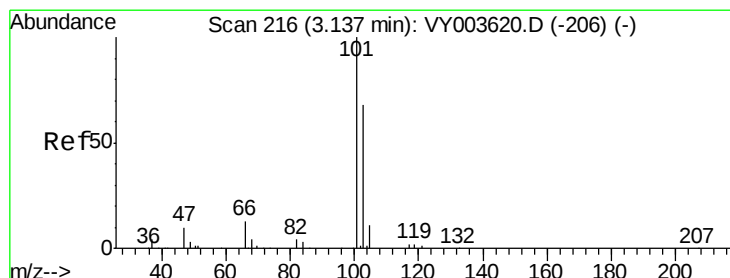
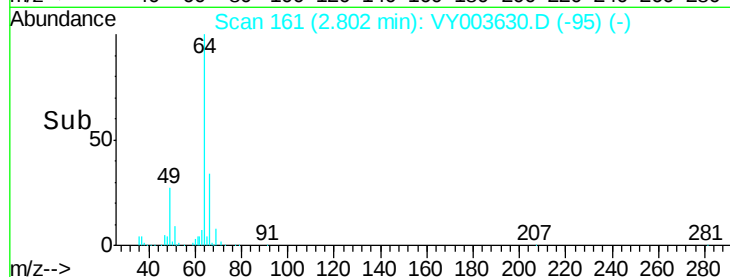
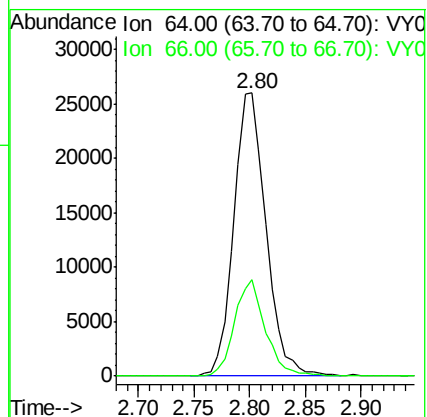
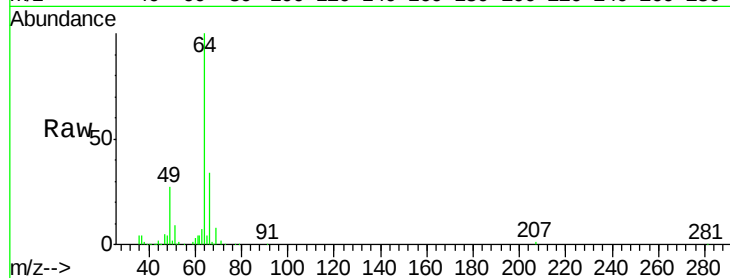
VSTD025406

Tgt Ion: 64 Resp: 52230

Ion Ratio Lower Upper

64 100

66 34.0 22.2 41.2



#9

Trichlorofluoromethane

Concen: 23.839 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003630.D

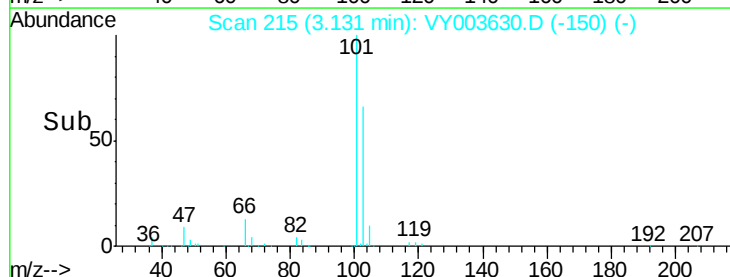
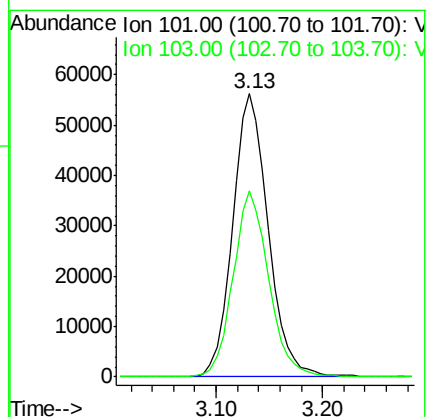
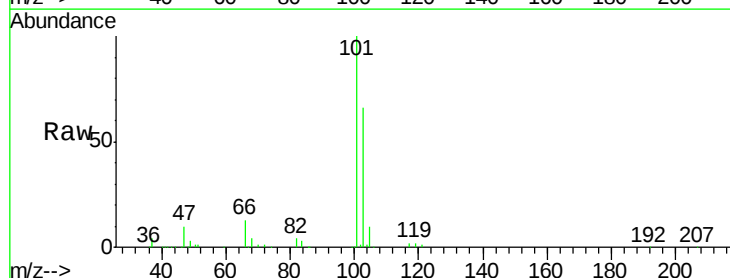
Acq: 01 Dec 2020 11:34

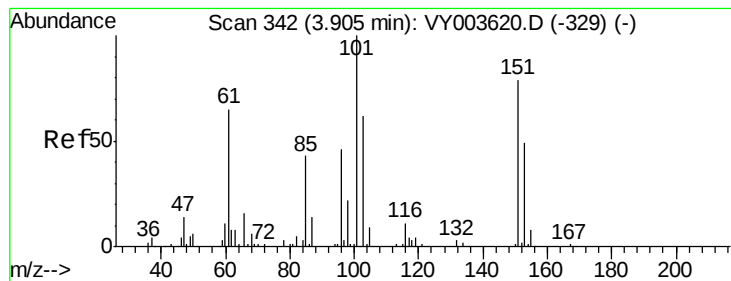
Tgt Ion: 101 Resp: 131360

Ion Ratio Lower Upper

101 100

103 65.9 51.9 77.9





#10

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

Concen: 24.844 ug/L

RT: 3.91 min Scan# 342

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025406

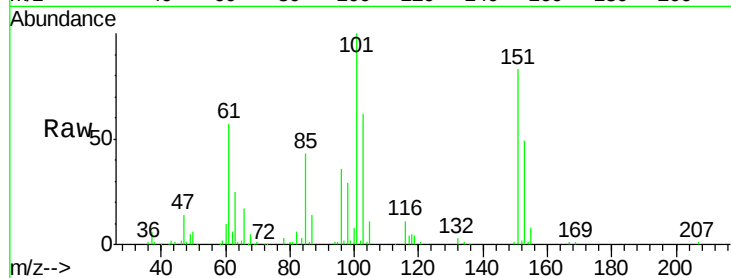
Tgt Ion: 101 Resp: 85797

Ion Ratio Lower Upper

101 100

85 42.8 35.6 53.4

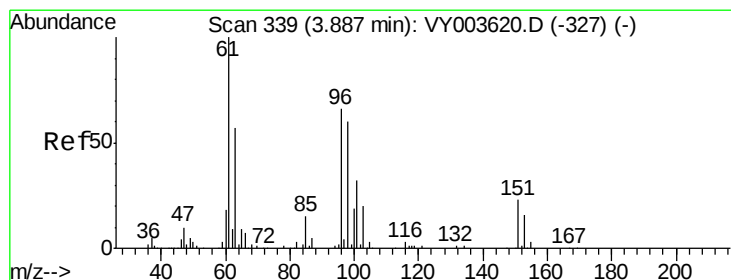
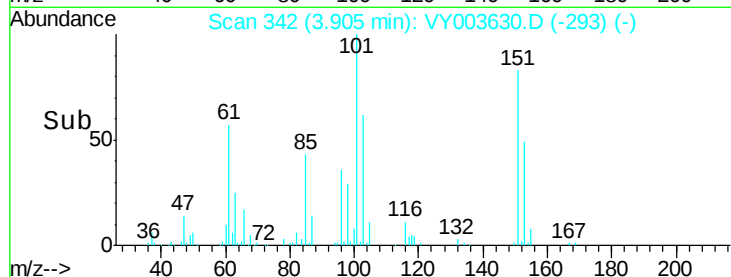
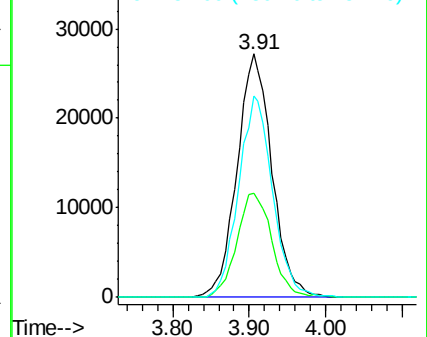
151 80.7 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003630.D (-293) (-)

Ion 85.00 (84.70 to 85.70): VY003630.D (-293) (-)

Ion 151.00 (150.70 to 151.70): VY003630.D (-293) (-)



#12

1,1-Dichloroethene

Concen: 25.237 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

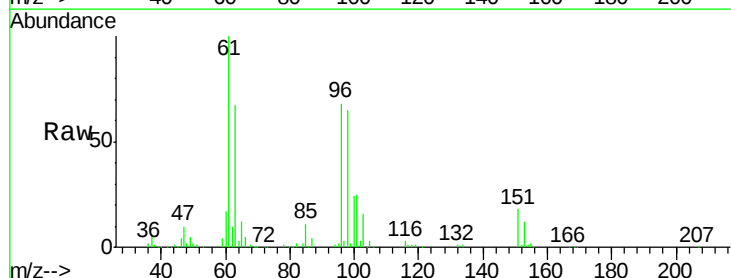
Tgt Ion: 96 Resp: 82067

Ion Ratio Lower Upper

96 100

61 148.1 106.1 197.1

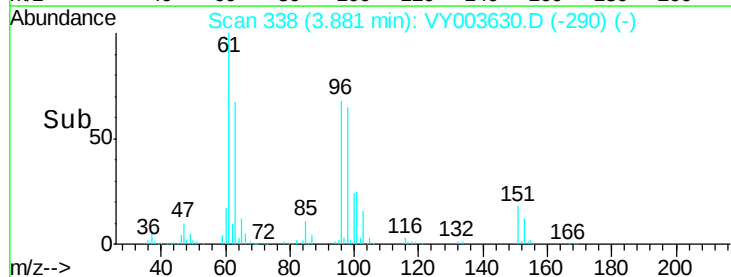
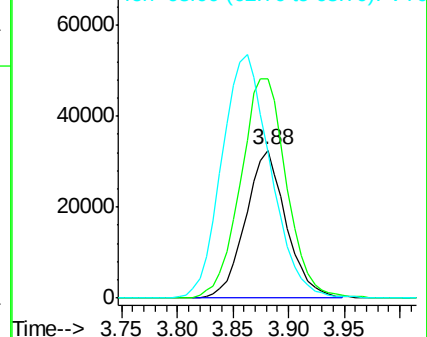
63 98.9 62.9 116.9

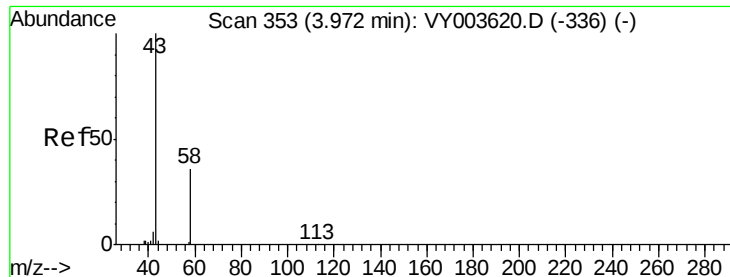


Abundance Ion 96.00 (95.70 to 96.70): VY003630.D (-290) (-)

Ion 61.00 (60.70 to 61.70): VY003630.D (-290) (-)

Ion 63.00 (62.70 to 63.70): VY003630.D (-290) (-)





#13

Acetone

Concen: 47.107 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.02 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

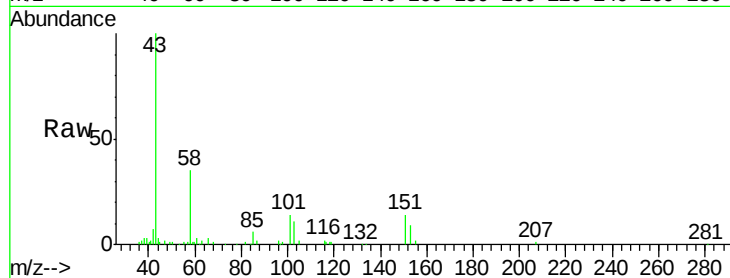
VSTD025406

Tgt Ion: 43 Resp: 51759

Ion Ratio Lower Upper

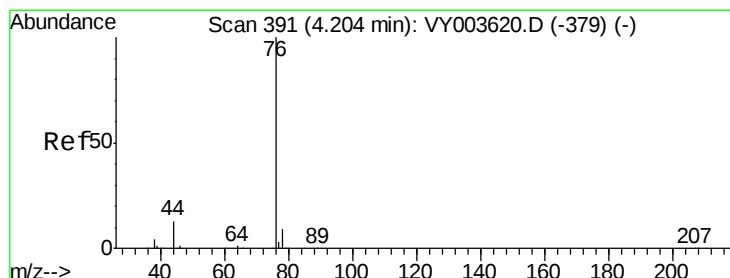
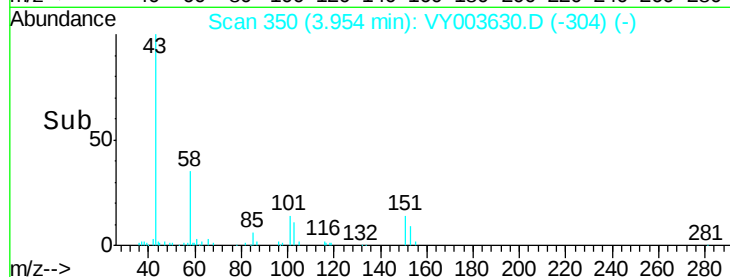
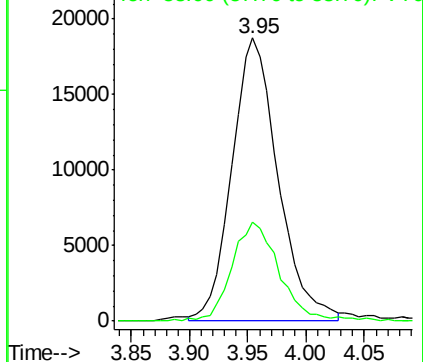
43 100

58 35.4 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 25.182 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003630.D

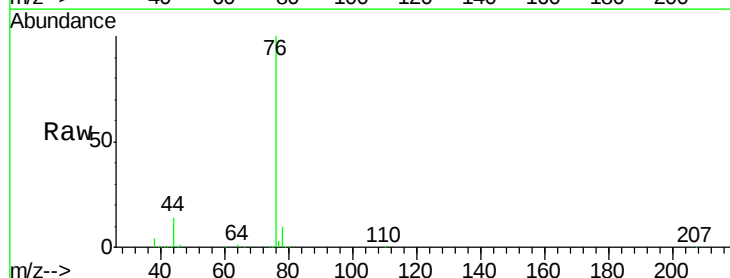
Acq: 01 Dec 2020 11:34

Tgt Ion: 76 Resp: 278942

Ion Ratio Lower Upper

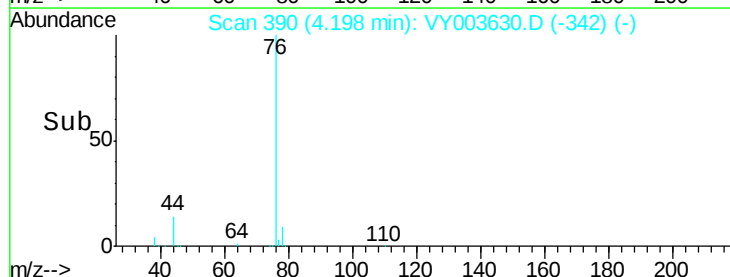
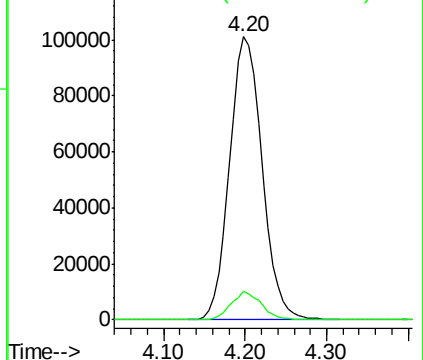
76 100

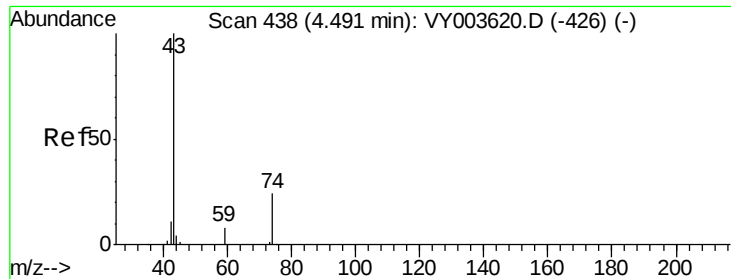
78 9.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

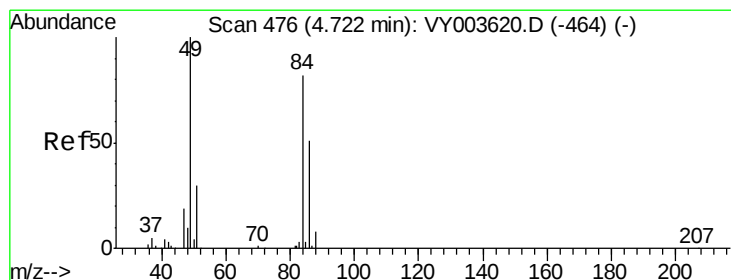
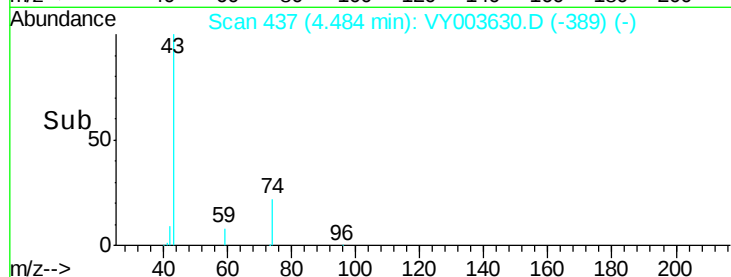
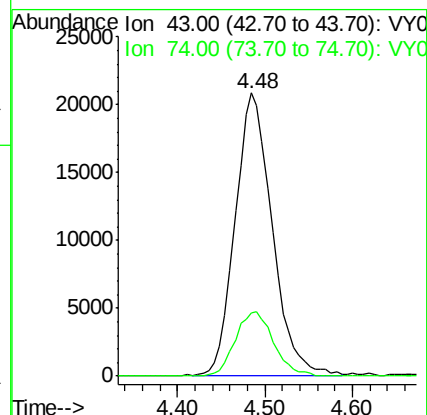
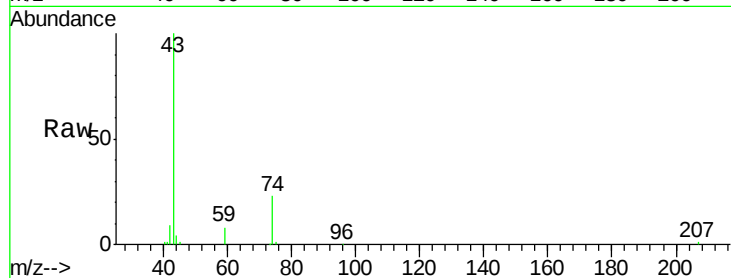




#15
Methyl Acetate
Concen: 26.011 ug/L
RT: 4.48 min Scan# 437
Delta R.T. -0.01 min
Lab File: VY003630.D
Acq: 01 Dec 2020 11:34

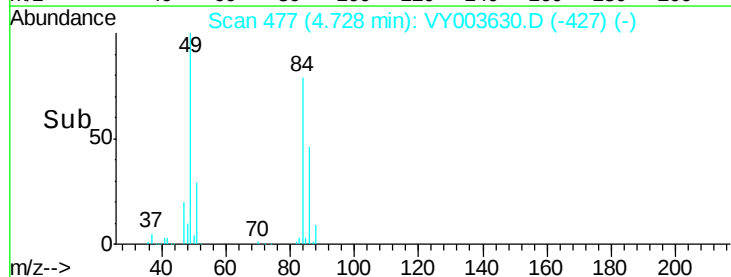
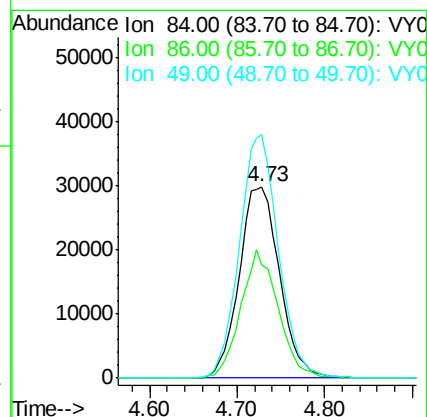
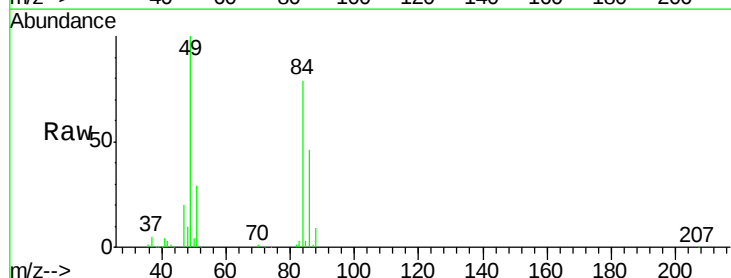
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025406

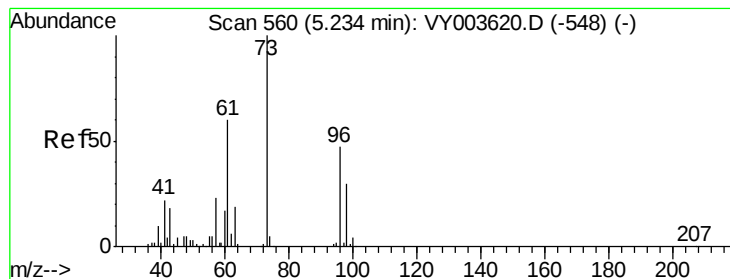
Tgt Ion: 43 Resp: 61315
Ion Ratio Lower Upper
43 100
74 23.5 18.2 27.2



#16
Methylene chloride
Concen: 19.251 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003630.D
Acq: 01 Dec 2020 11:34

Tgt Ion: 84 Resp: 96043
Ion Ratio Lower Upper
84 100
86 59.0 43.3 80.3
49 127.0 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 25.762 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.01 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025406

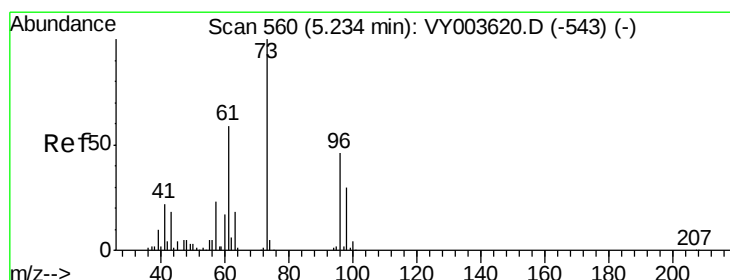
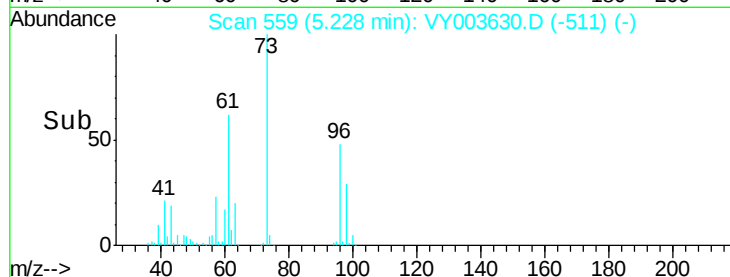
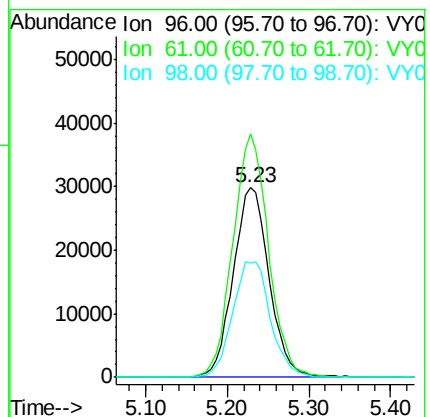
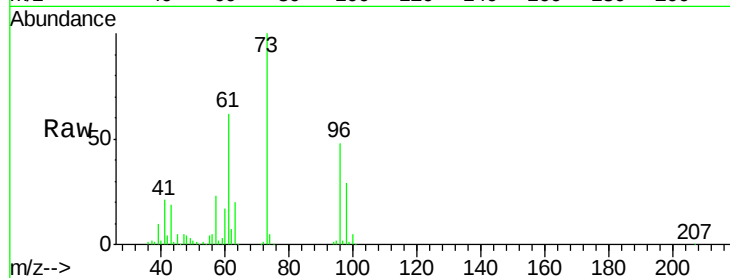
Tgt Ion: 96 Resp: 90844

Ion Ratio Lower Upper

96 100

61 128.6 89.5 166.1

98 60.6 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 25.740 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.01 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

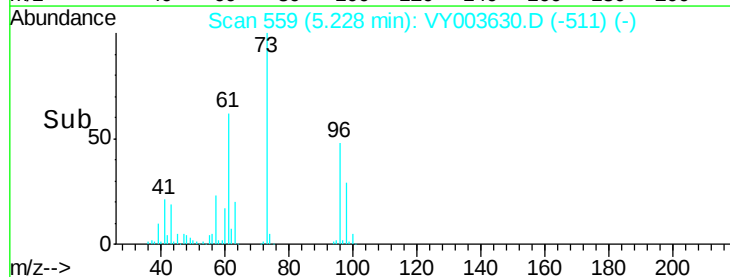
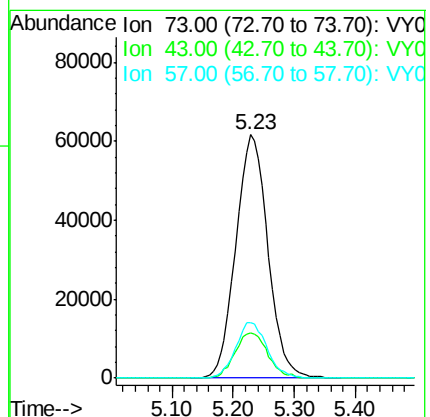
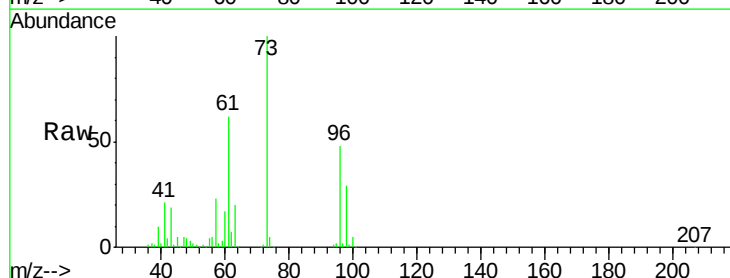
Tgt Ion: 73 Resp: 223689

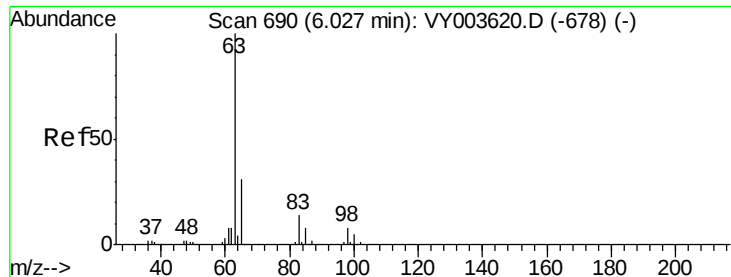
Ion Ratio Lower Upper

73 100

43 19.1 15.2 22.8

57 22.4 18.1 27.1

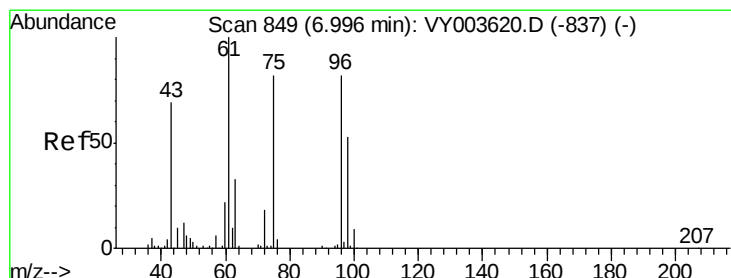
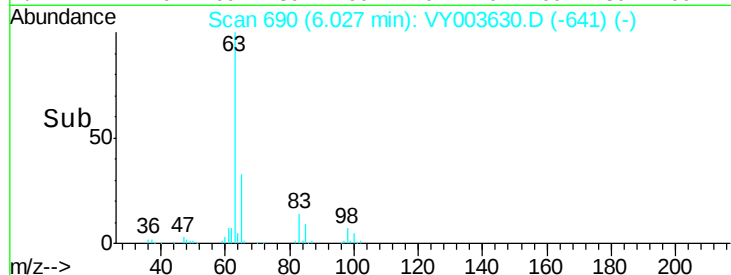
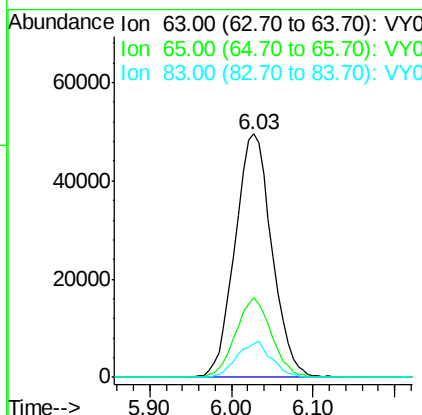
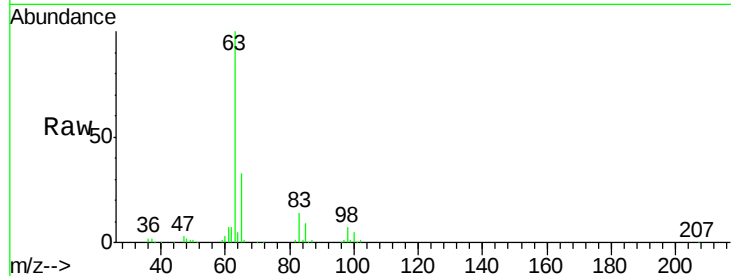




#19
 1,1-Dichloroethane
 Concen: 25.344 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

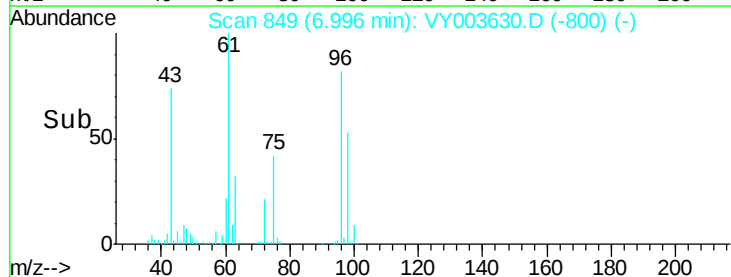
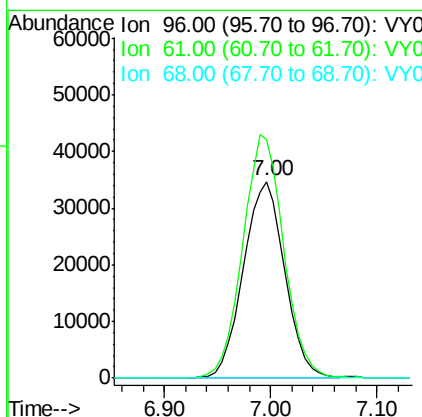
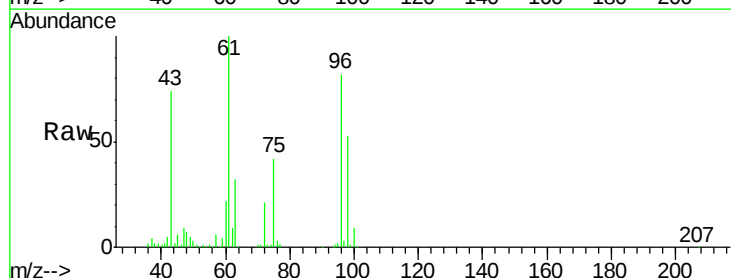
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025406

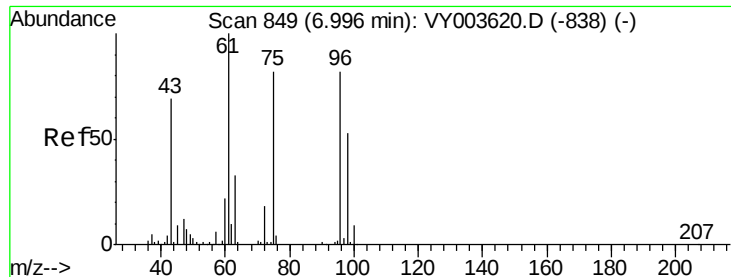
Tgt Ion: 63 Resp: 155563
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.9 40.7
 83 13.9 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 25.036 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Tgt Ion: 96 Resp: 94386
 Ion Ratio Lower Upper
 96 100
 61 121.5 85.8 159.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 50.941 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

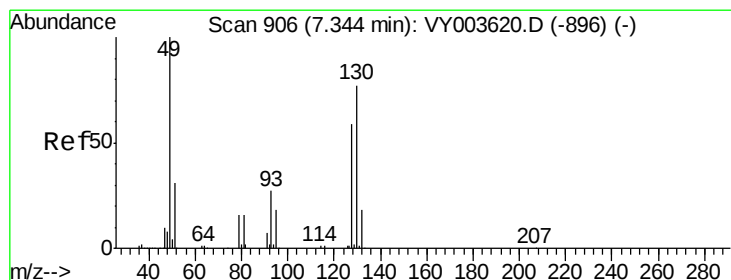
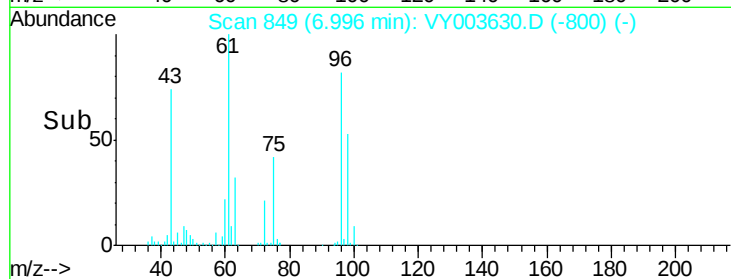
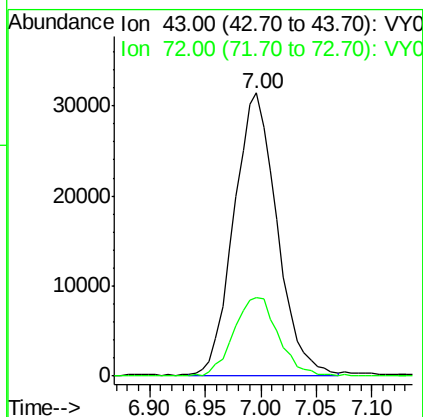
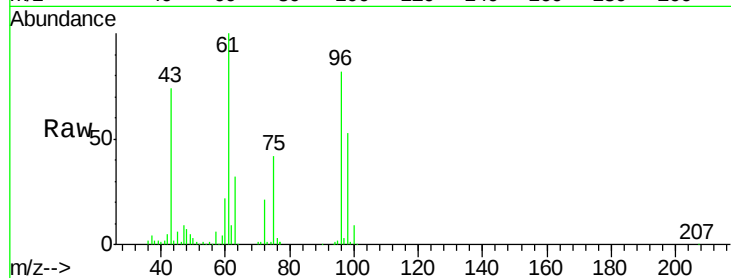
VSTD025406

Tgt Ion: 43 Resp: 84605

Ion Ratio Lower Upper

43 100

72 28.7 13.5 40.5



#23

Bromochloromethane

Concen: 25.518 ug/L

RT: 7.34 min Scan# 905

Delta R.T. -0.01 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Tgt Ion: 128 Resp: 47106

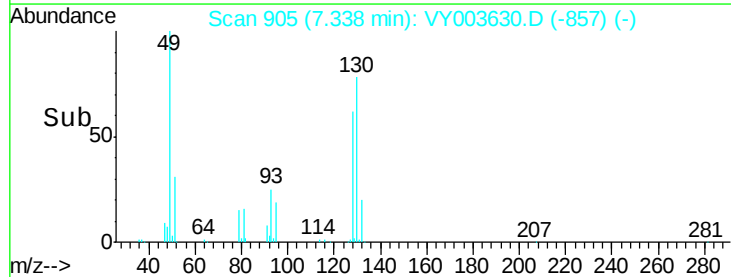
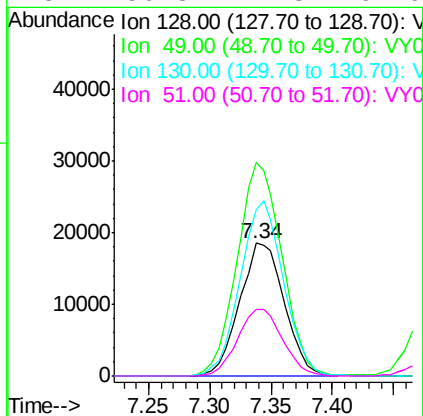
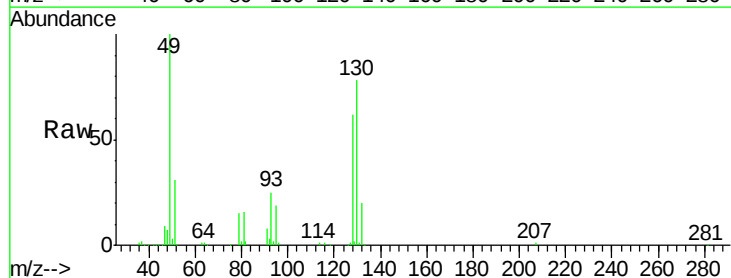
Ion Ratio Lower Upper

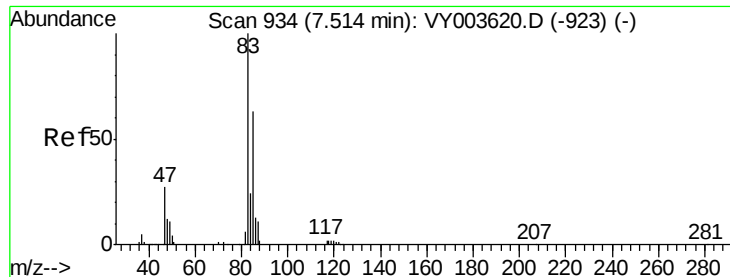
128 100

49 160.9 118.1 219.3

130 125.1 90.5 168.1

51 50.3 41.3 61.9





#25

Chloroform

Concen: 24.907 ug/L

RT: 7.51 min Scan# 934

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

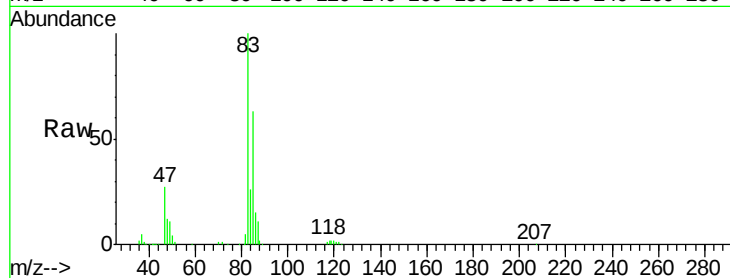
VSTD025406

Tgt Ion: 83 Resp: 153642

Ion Ratio Lower Upper

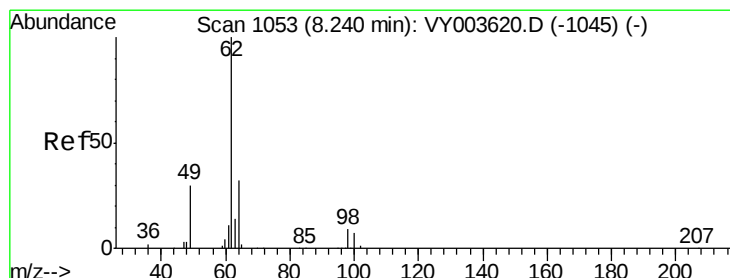
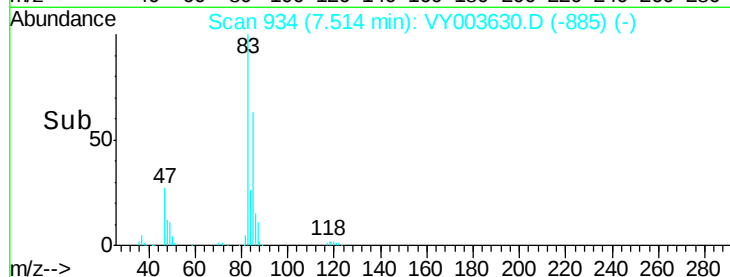
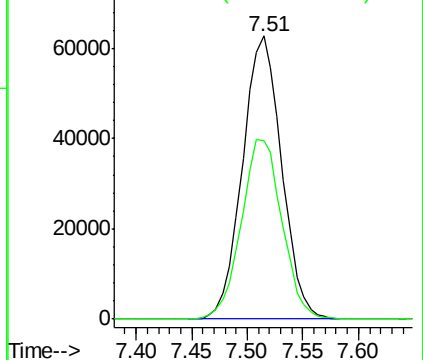
83 100

85 63.2 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 24.522 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY003630.D

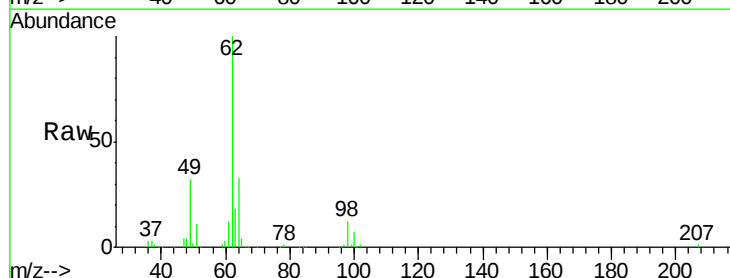
Acq: 01 Dec 2020 11:34

Tgt Ion: 62 Resp: 100462

Ion Ratio Lower Upper

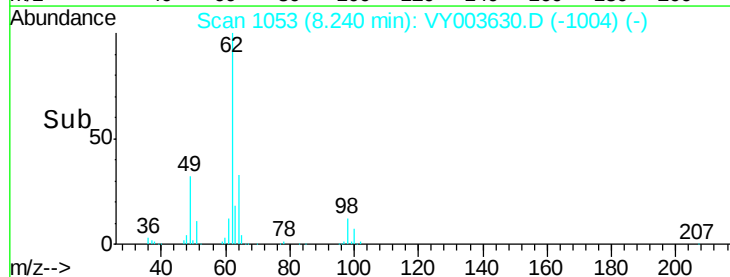
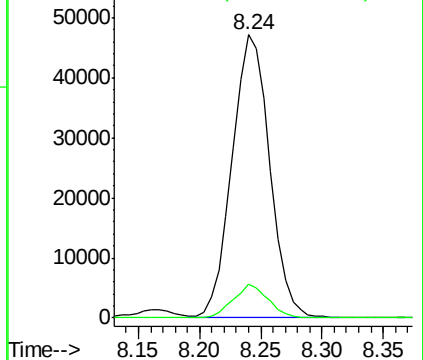
62 100

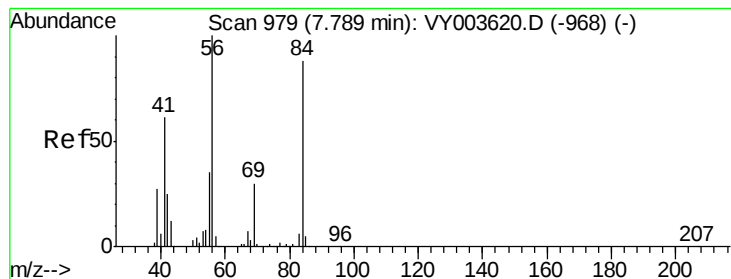
98 11.8 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#29

Cyclohexane

Concen: 25.734 ug/L

RT: 7.79 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025406

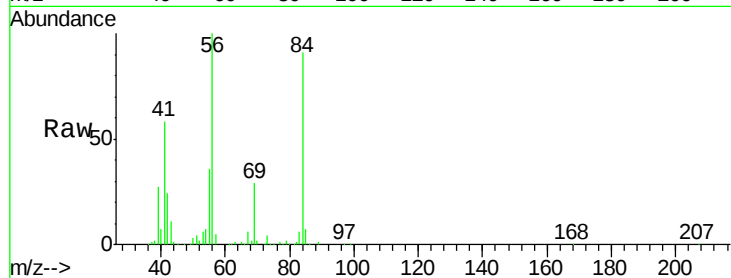
Tgt Ion: 56 Resp: 145807

Ion Ratio Lower Upper

56 100

69 28.9 23.9 35.9

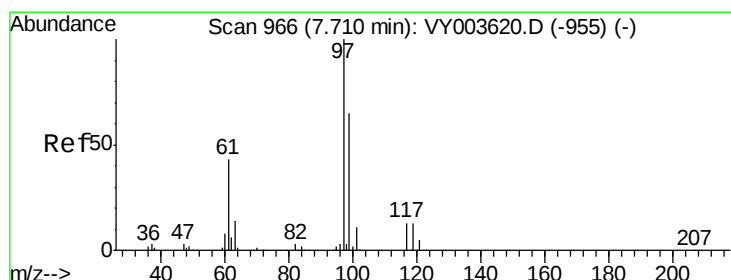
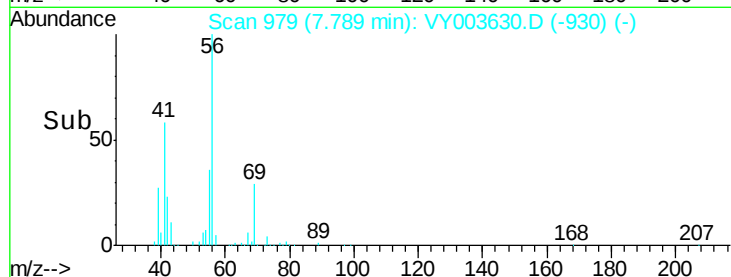
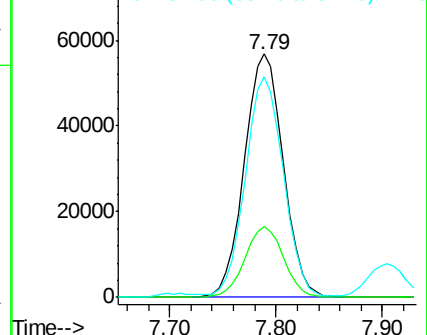
84 89.7 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#30

1,1,1-Trichloroethane

Concen: 24.386 ug/L

RT: 7.71 min Scan# 966

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

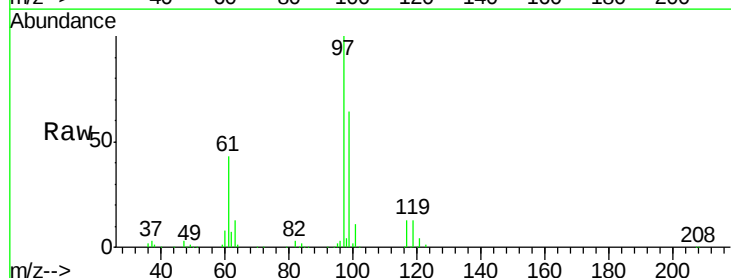
Tgt Ion: 97 Resp: 135916

Ion Ratio Lower Upper

97 100

99 64.2 50.6 76.0

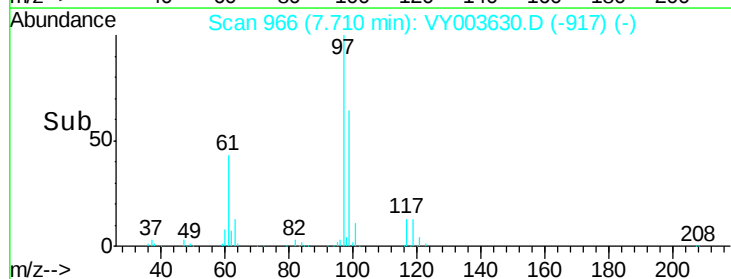
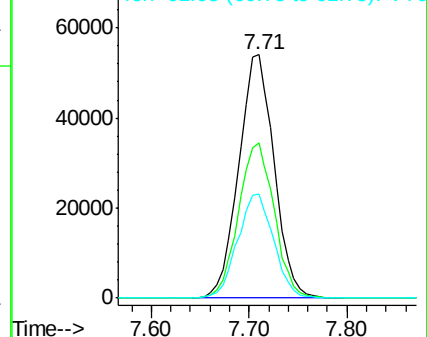
61 43.3 34.3 51.5

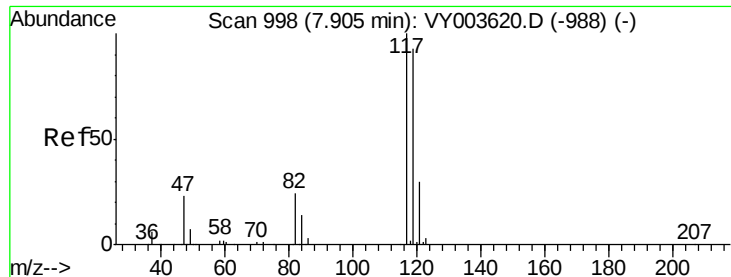


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 24.602 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

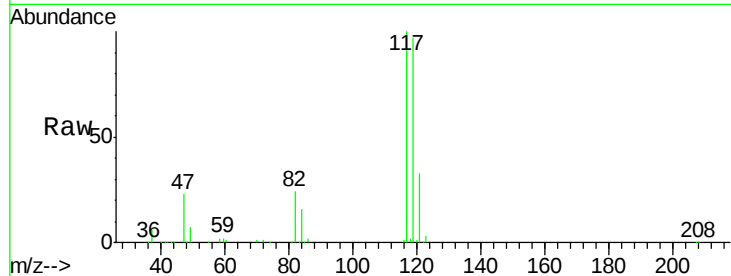
VSTD025406

Tgt Ion:117 Resp: 124277

Ion Ratio Lower Upper

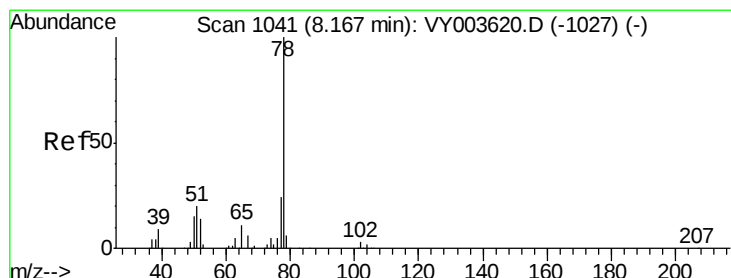
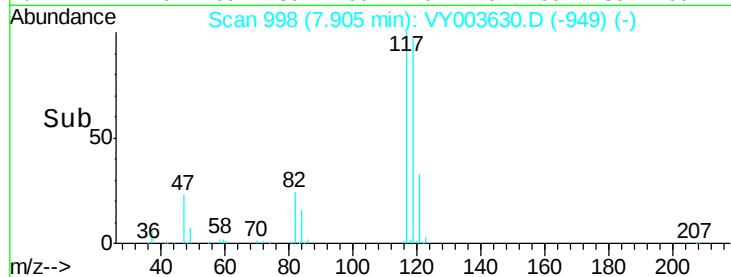
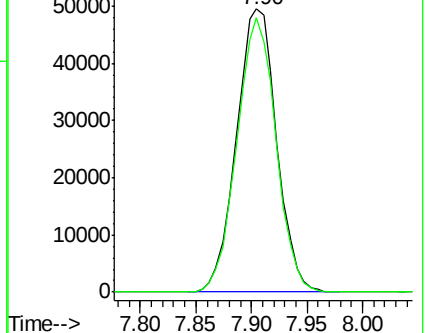
117 100

119 93.9 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 25.376 ug/L

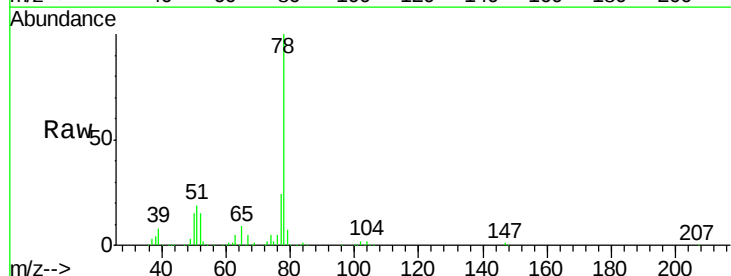
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

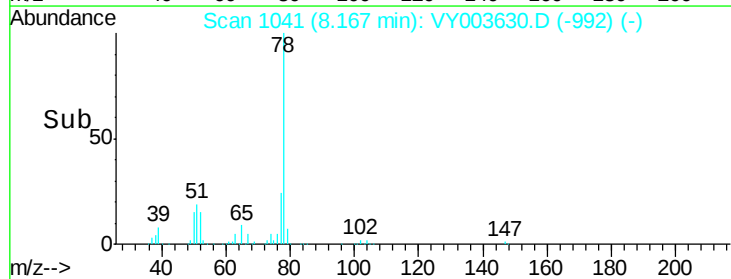
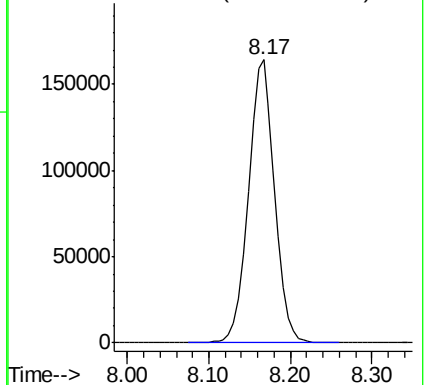
Lab File: VY003630.D

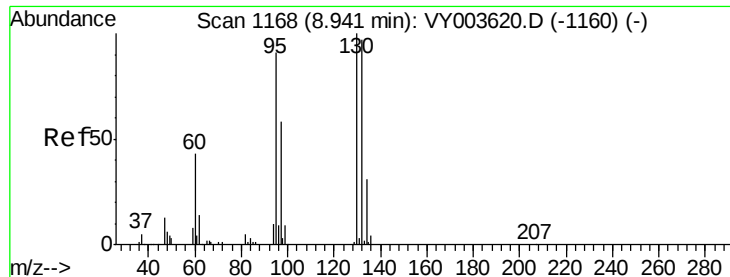
Acq: 01 Dec 2020 11:34

Tgt Ion: 78 Resp: 366526



Abundance Ion 78.00 (77.70 to 78.70): VY0

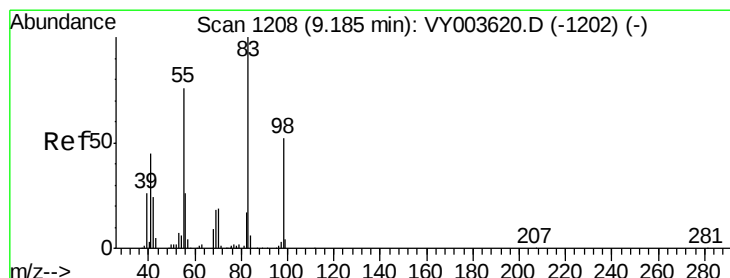
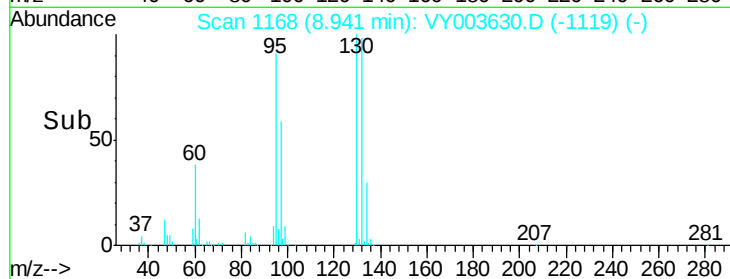
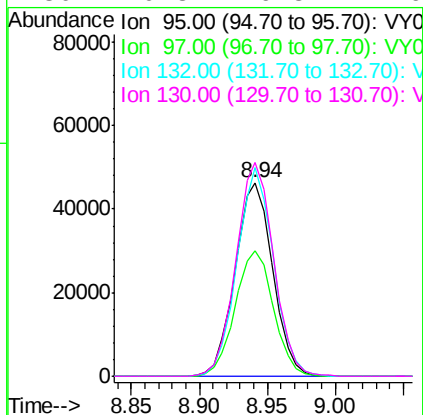
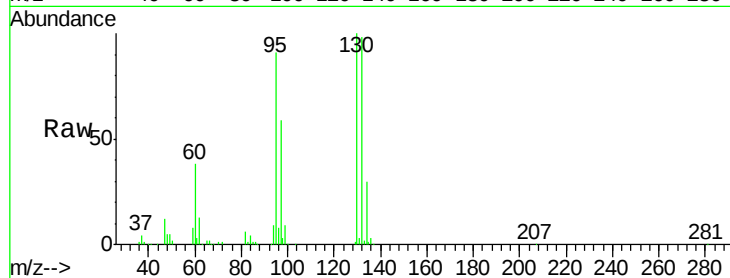




#34
 Trichloroethene
 Concen: 24.848 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

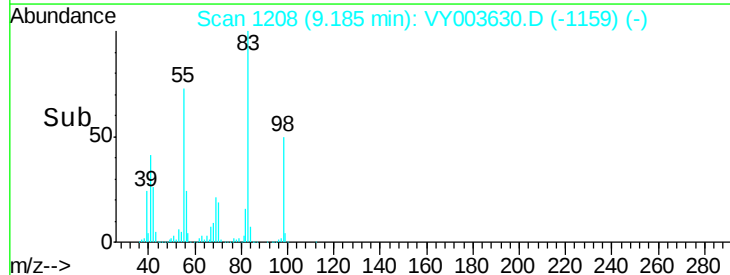
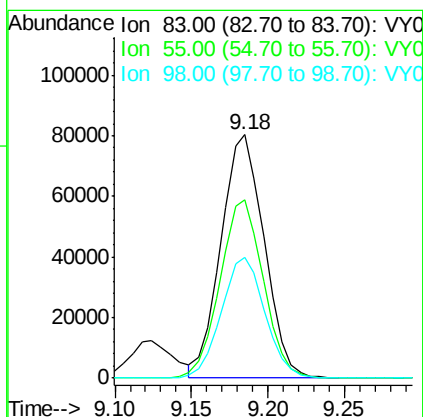
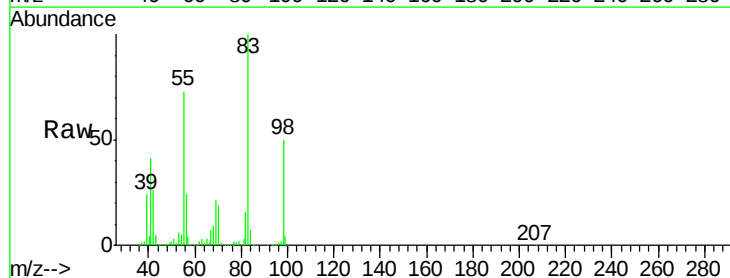
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025406

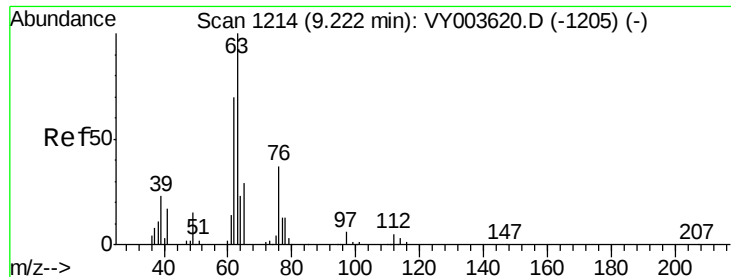
Tgt Ion:	95	Resp:	89271
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.7	83.1
132	107.9	74.7	138.7
130	110.3	76.8	142.6



#35
 Methylcyclohexane
 Concen: 25.362 ug/L
 RT: 9.18 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Tgt Ion:	83	Resp:	157478
Ion	Ratio	Lower	Upper
83	100		
55	73.3	58.3	87.5
98	50.1	39.0	58.6

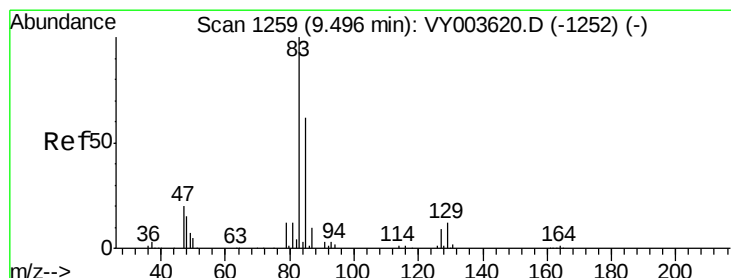
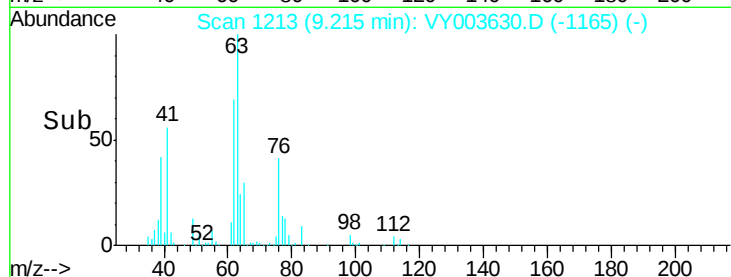
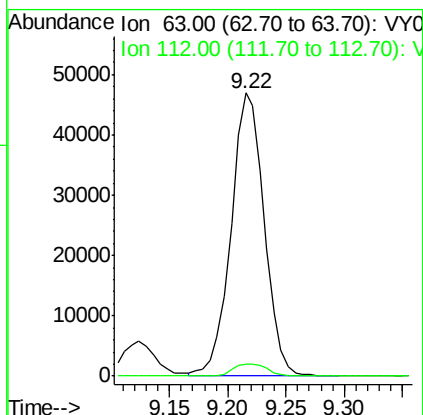
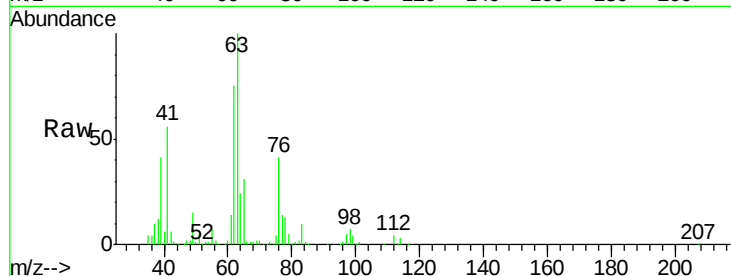




#37
 1,2-Dichloropropane
 Concen: 25.669 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

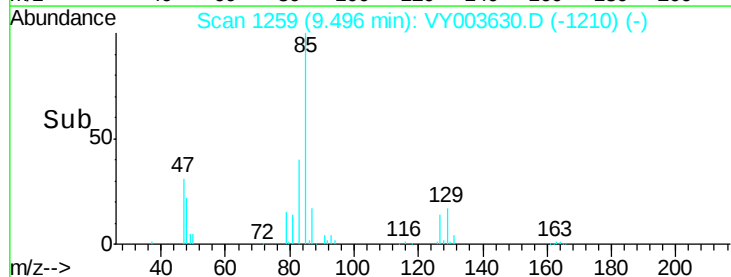
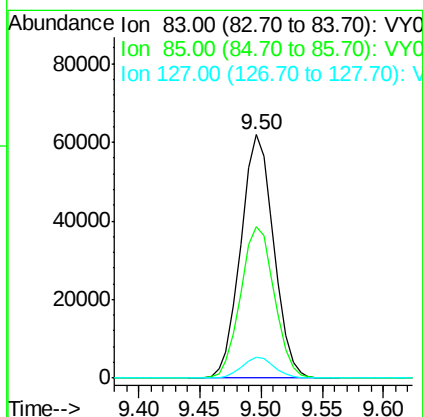
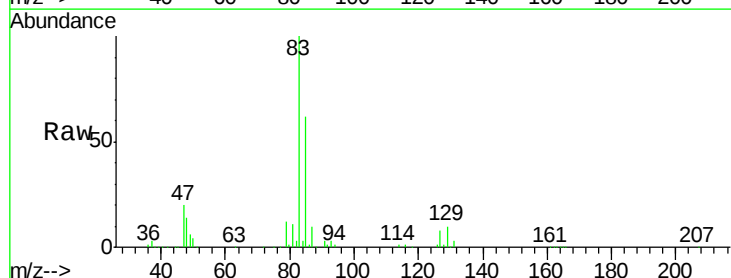
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025406

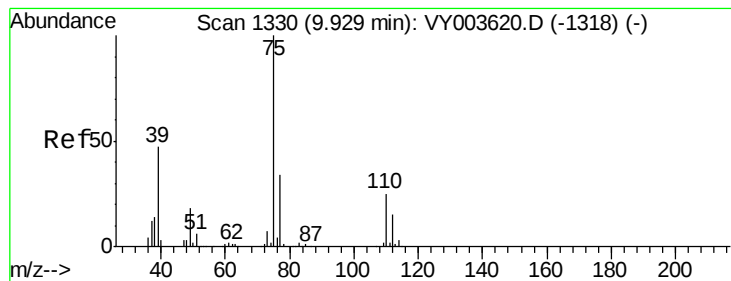
Tgt Ion: 63 Resp: 93217
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.7 5.5



#38
 Bromodichloromethane
 Concen: 25.049 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Tgt Ion: 83 Resp: 116002
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.1 80.1
 127 8.4 7.1 10.7



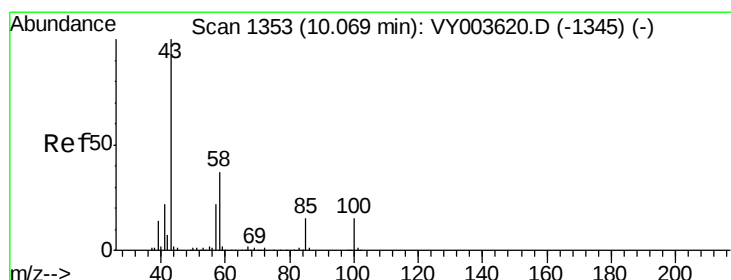
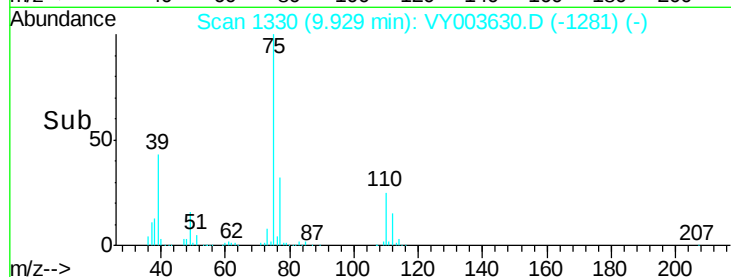
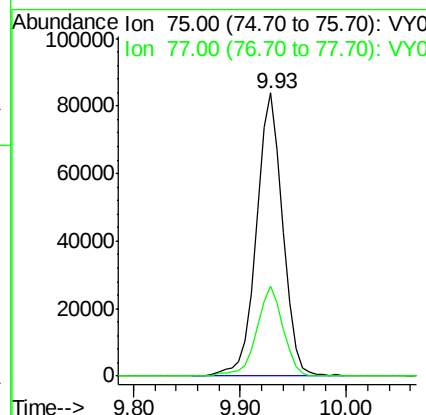
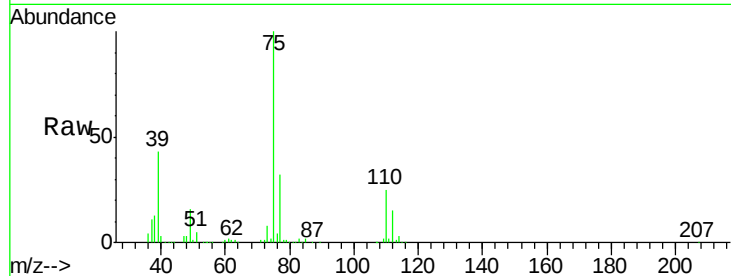


#39

cis-1,3-Dichloropropene
 Concen: 25.577 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025406

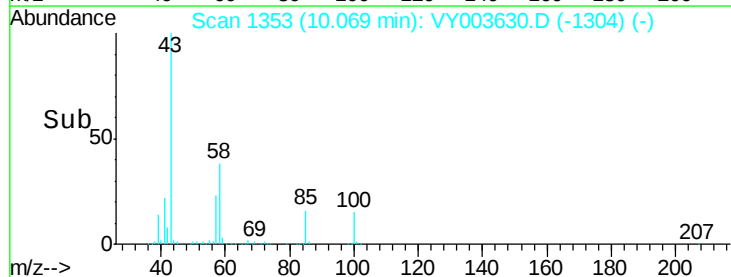
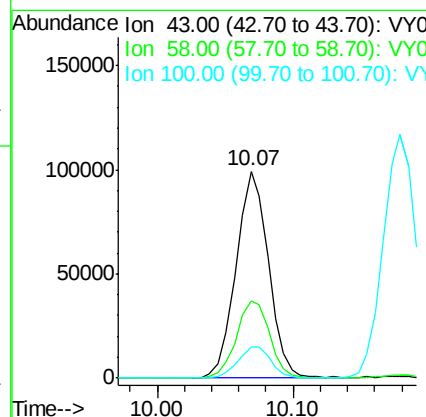
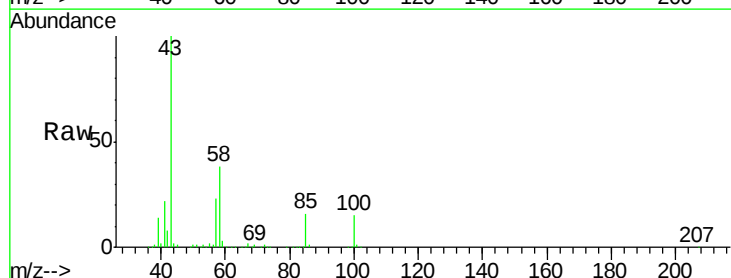
Tgt Ion: 75 Resp: 145390
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.5 43.7

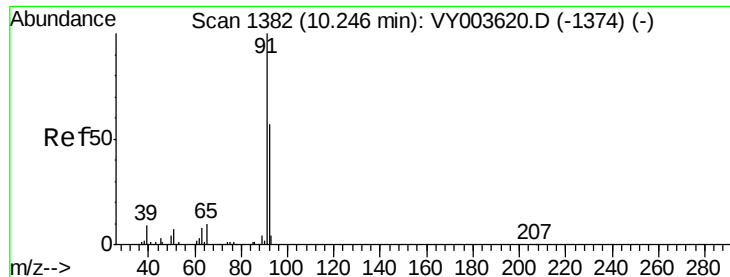


#40

4-Methyl-2-pentanone
 Concen: 51.368 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Tgt Ion: 43 Resp: 164776
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.7 46.1
 100 15.6 12.1 18.1





#42

Toluene

Concen: 25.377 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

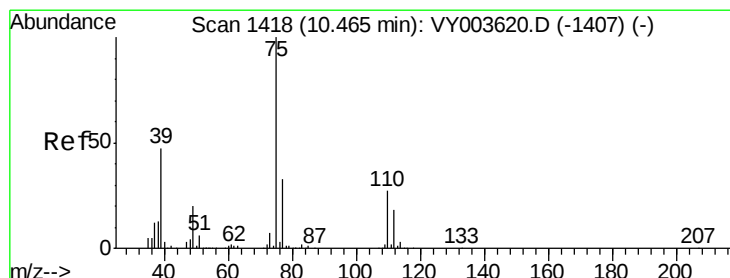
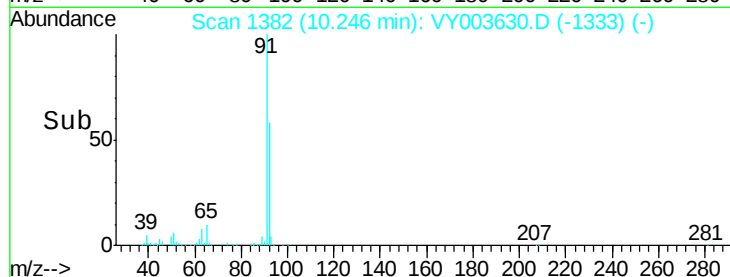
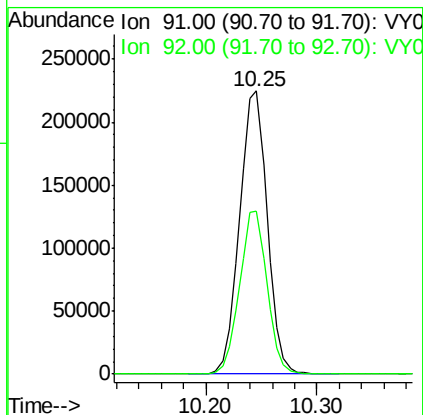
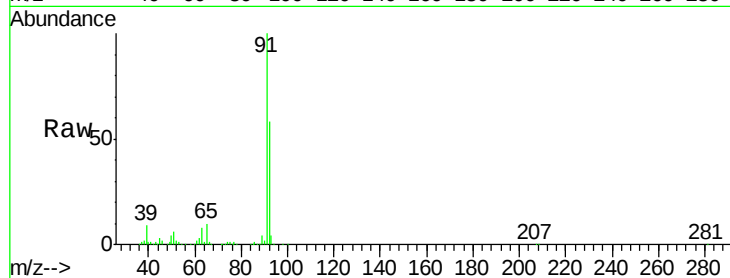
VSTD025406

Tgt Ion: 91 Resp: 387466

Ion Ratio Lower Upper

91 100

92 57.8 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 25.473 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003630.D

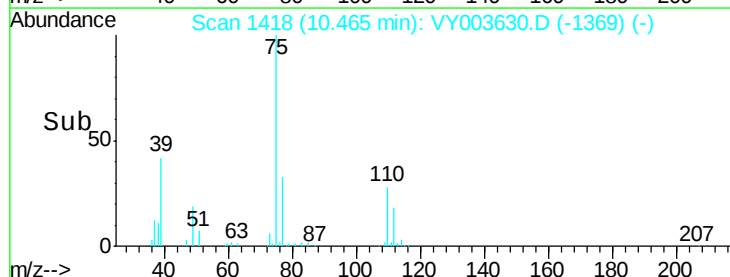
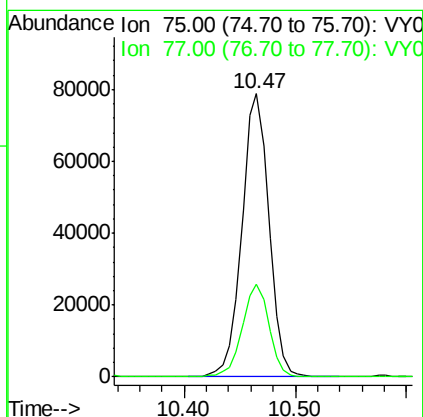
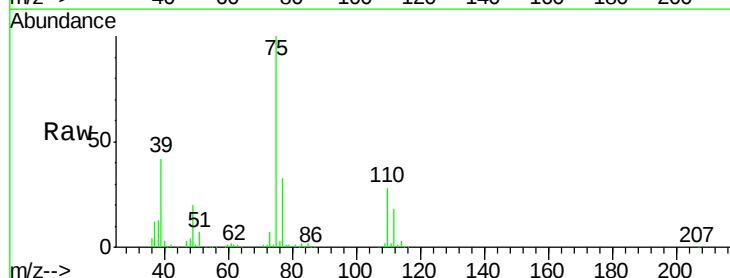
Acq: 01 Dec 2020 11:34

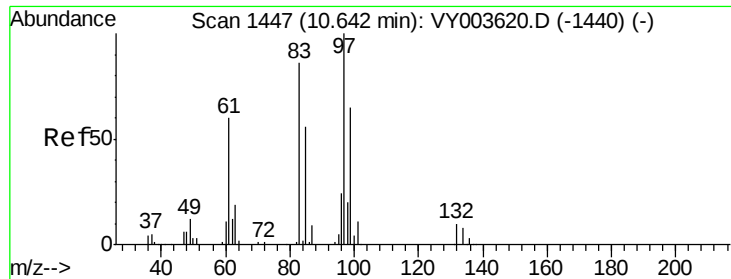
Tgt Ion: 75 Resp: 132877

Ion Ratio Lower Upper

75 100

77 32.6 22.9 42.5

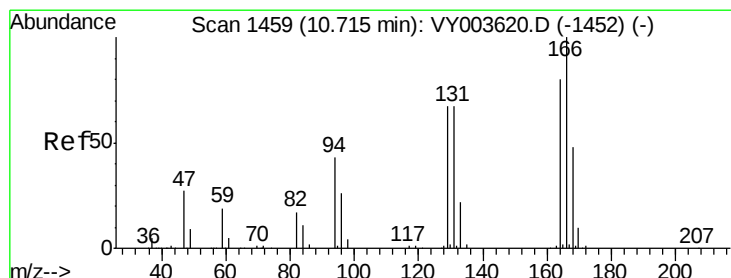
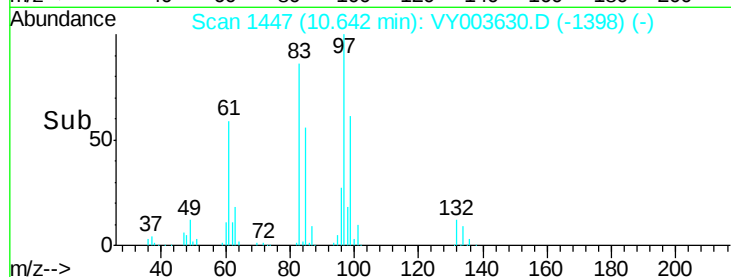
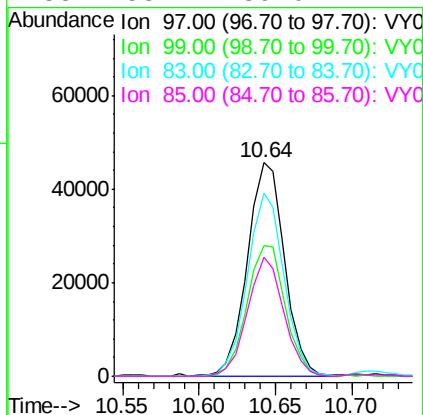
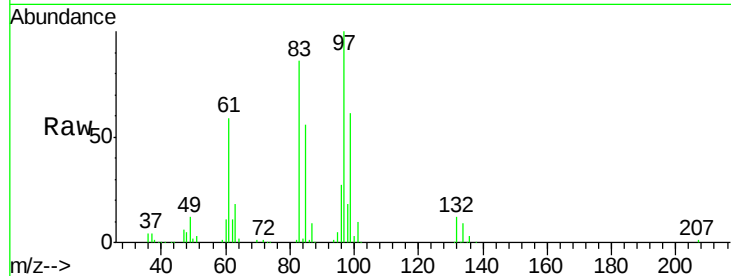




#45
 1,1,2-Trichloroethane
 Concen: 25.606 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

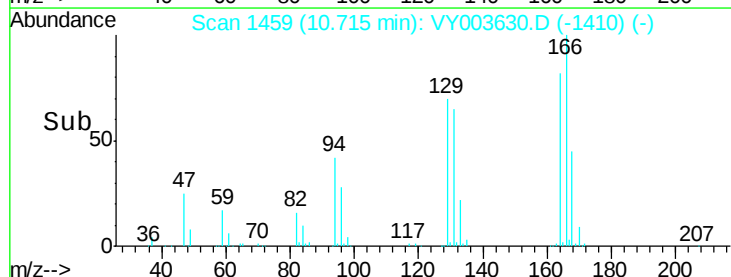
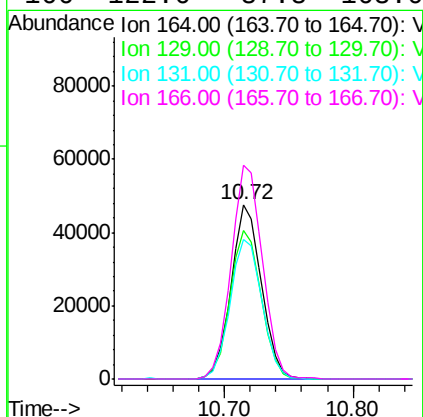
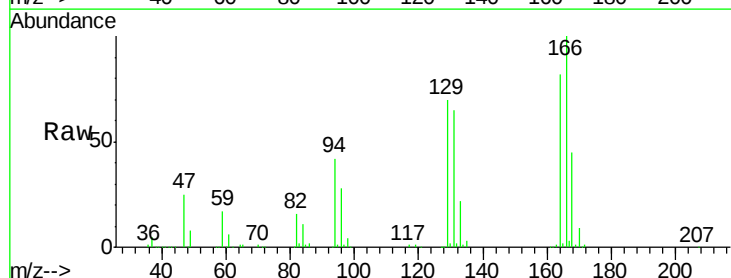
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025406

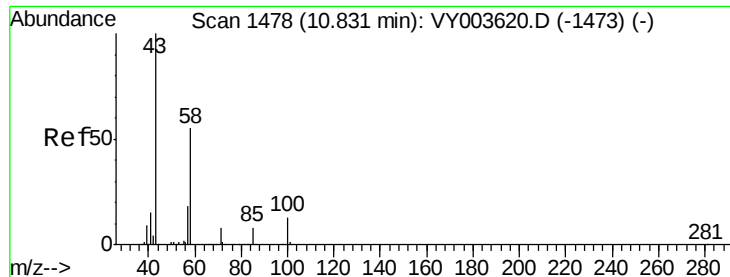
Tgt Ion: 97 Resp: 77363
 Ion Ratio Lower Upper
 97 100
 99 61.0 45.1 83.9
 83 85.8 59.7 110.9
 85 55.7 39.0 72.4



#46
 Tetrachloroethene
 Concen: 24.953 ug/L
 RT: 10.72 min Scan# 1459
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Tgt Ion: 164 Resp: 78014
 Ion Ratio Lower Upper
 164 100
 129 85.5 58.9 109.5
 131 79.8 59.0 109.6
 166 122.6 87.8 163.0

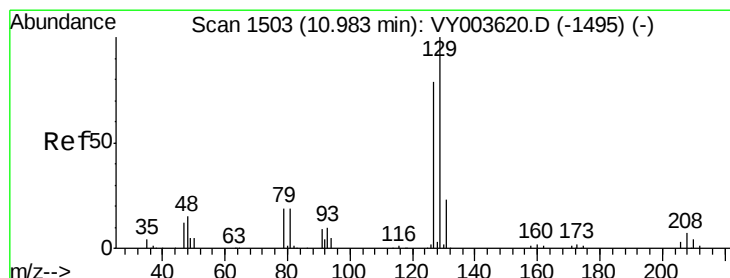
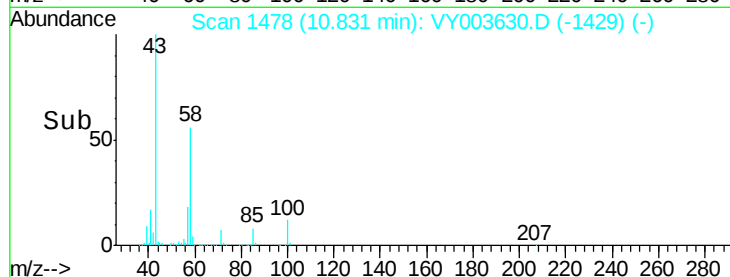
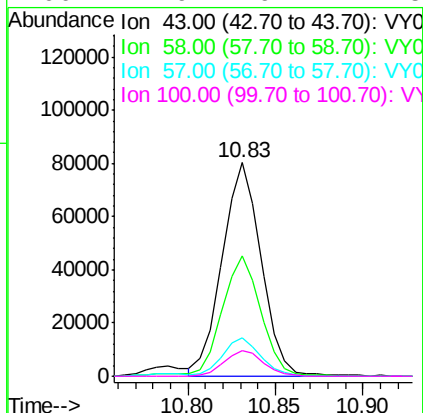
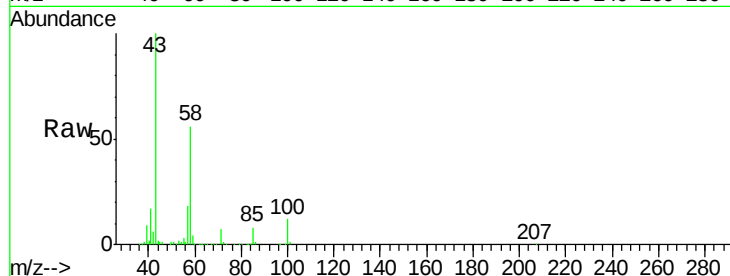




#48
2-Hexanone
Concen: 54.507 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003630.D
Acq: 01 Dec 2020 11:34

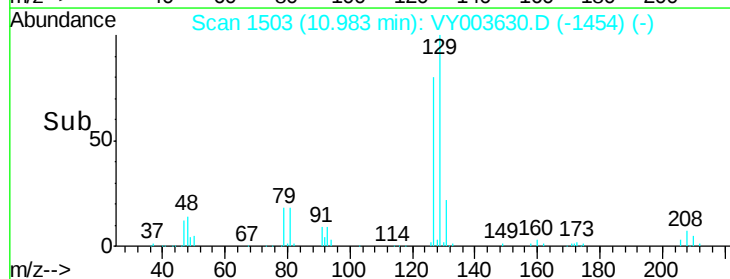
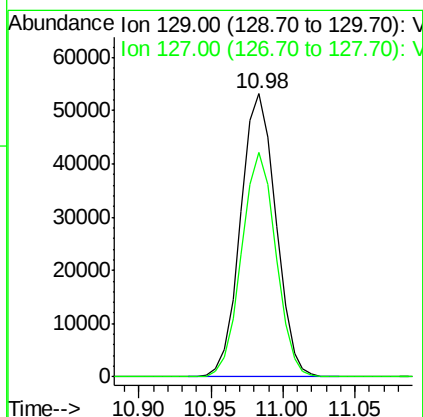
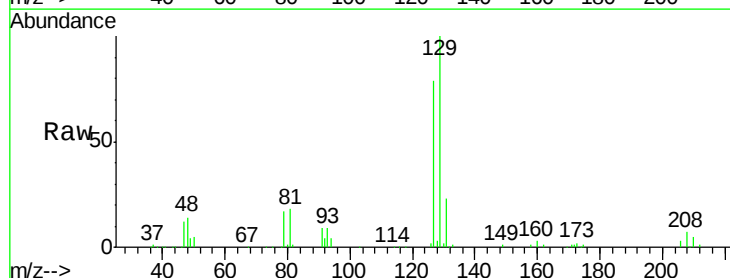
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025406

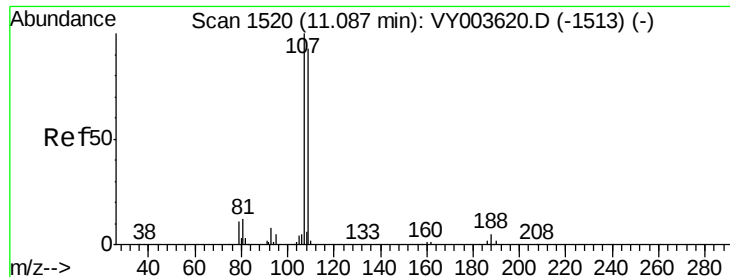
Tgt Ion: 43 Resp: 124735
Ion Ratio Lower Upper
43 100
58 55.7 43.0 64.6
57 17.3 14.6 21.8
100 11.9 9.7 14.5



#49
Dibromochloromethane
Concen: 25.478 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003630.D
Acq: 01 Dec 2020 11:34

Tgt Ion: 129 Resp: 90403
Ion Ratio Lower Upper
129 100
127 79.3 55.0 102.2

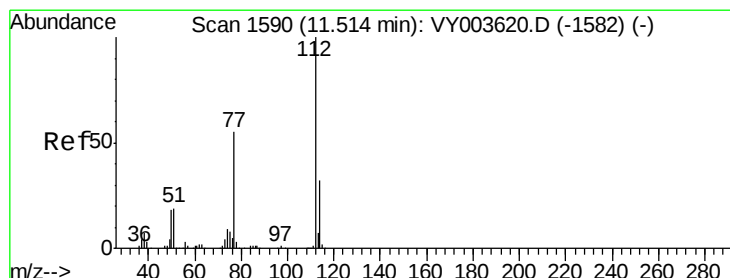
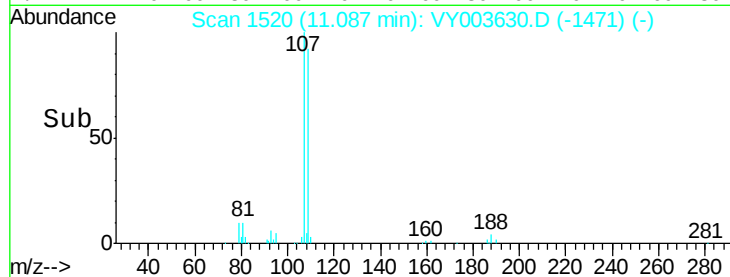
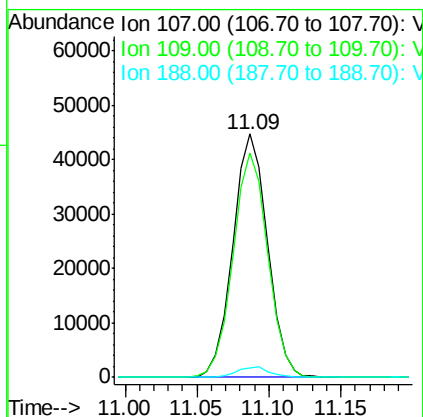
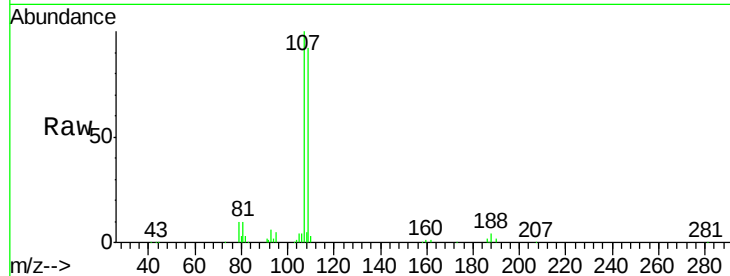




#50
 1,2-Dibromoethane
 Concen: 25.804 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

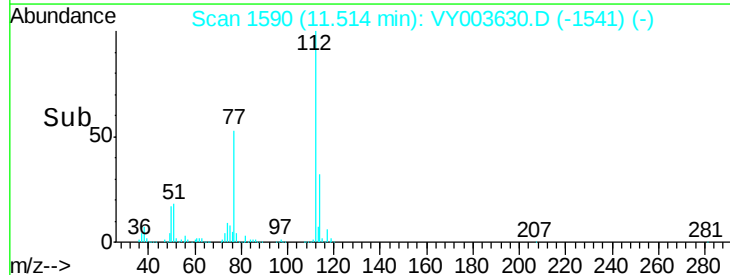
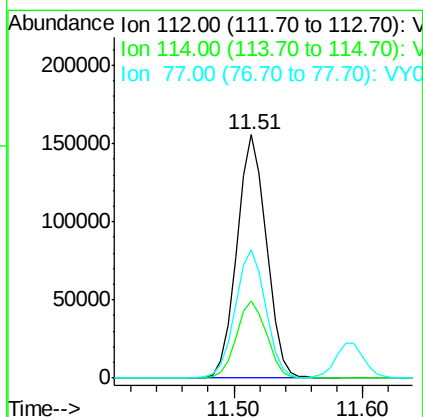
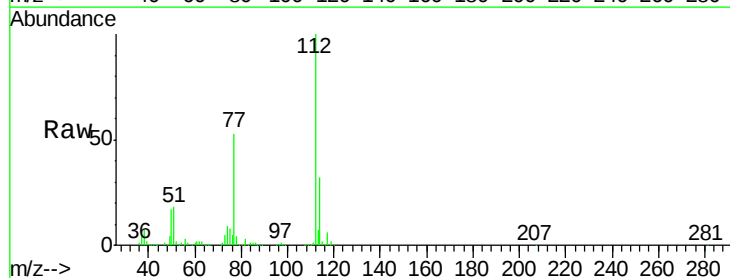
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025406

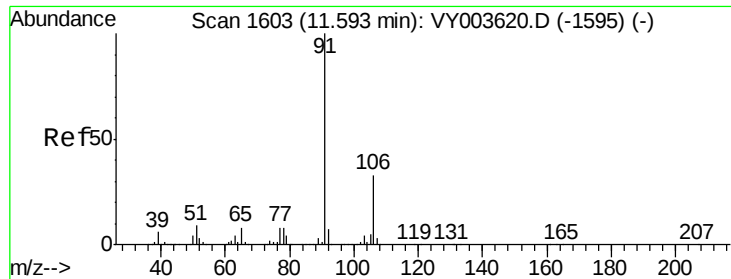
Tgt Ion:107 Resp: 74979
 Ion Ratio Lower Upper
 107 100
 109 92.3 65.5 121.7
 188 3.6 3.8 5.8#



#51
 Chlorobenzene
 Concen: 25.488 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Tgt Ion:112 Resp: 247164
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.2 41.2
 77 52.5 43.8 65.6





#52

Ethylbenzene

Concen: 25.383 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

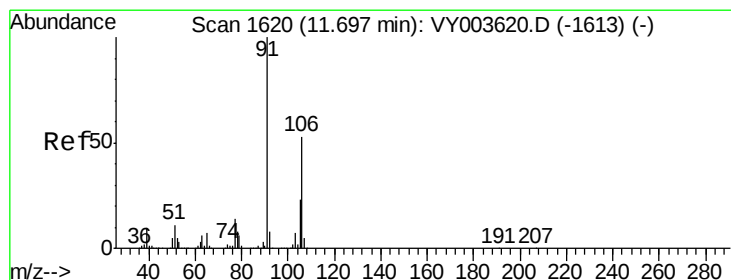
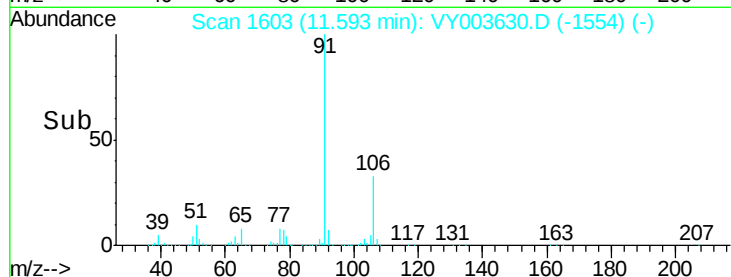
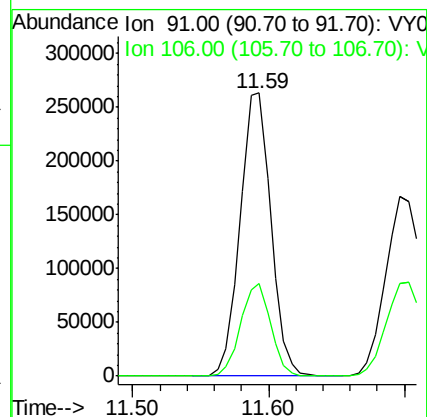
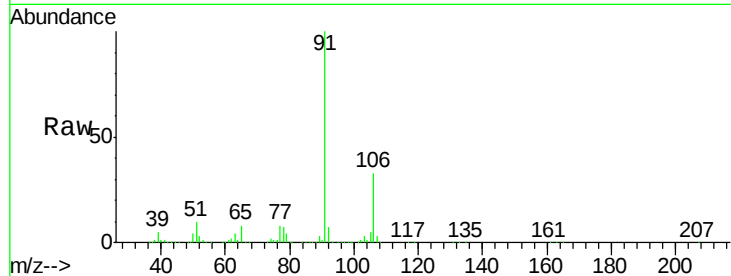
VSTD025406

Tgt Ion: 91 Resp: 416300

Ion Ratio Lower Upper

91 100

106 32.8 22.8 42.4



#53

m,p-Xylene

Concen: 25.968 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.01 min

Lab File: VY003630.D

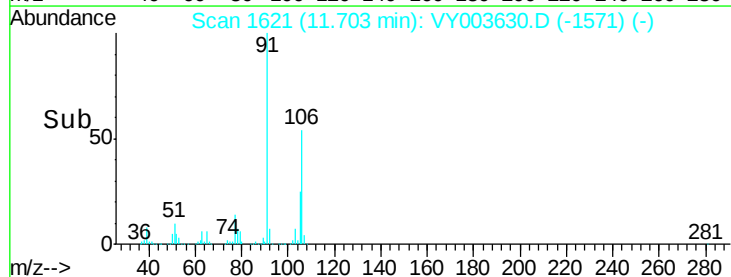
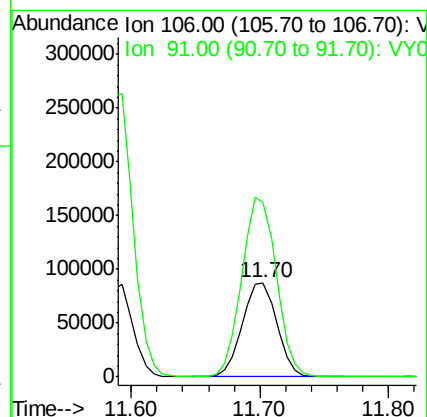
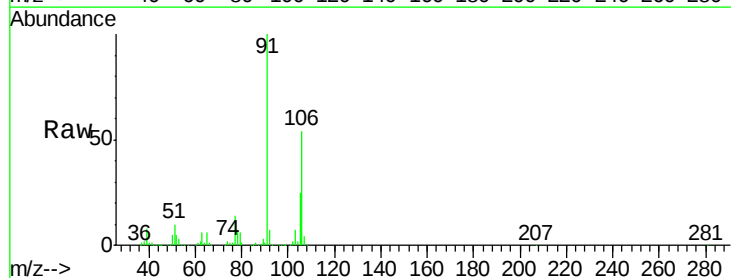
Acq: 01 Dec 2020 11:34

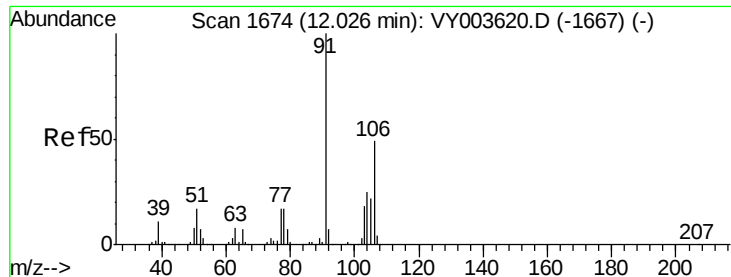
Tgt Ion: 106 Resp: 163199

Ion Ratio Lower Upper

106 100

91 185.2 133.1 247.3

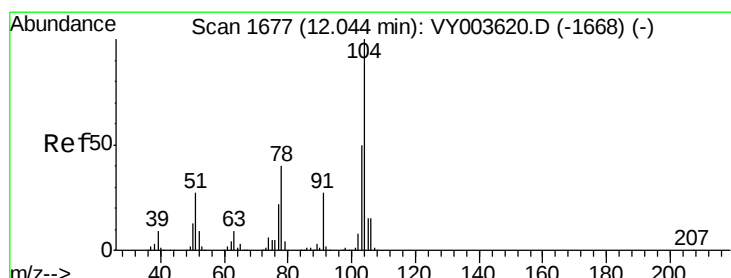
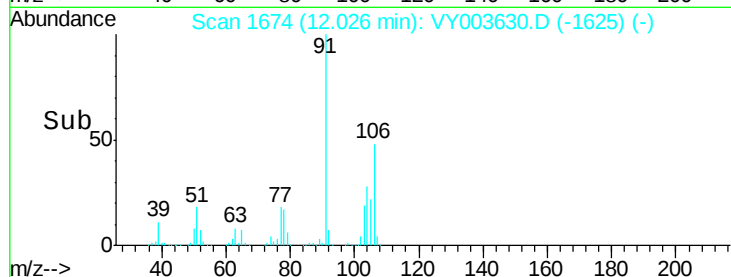
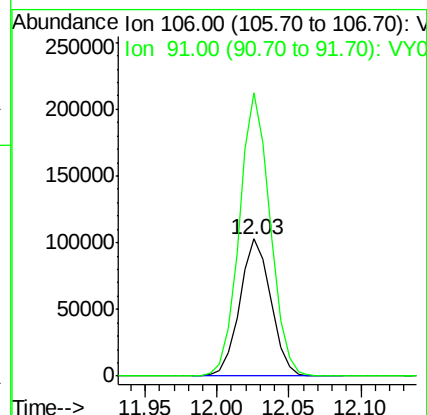
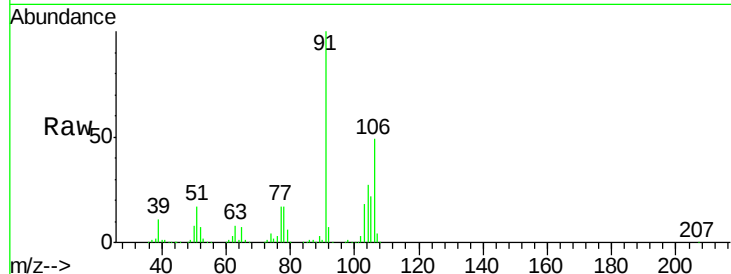




#54
o-Xylene
Concen: 25.833 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VY003630.D
Acq: 01 Dec 2020 11:34

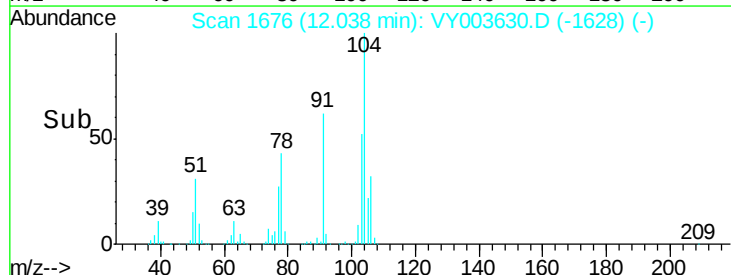
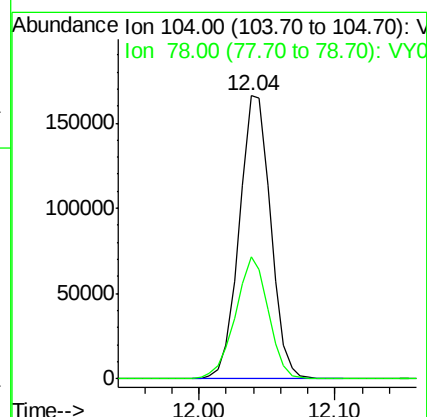
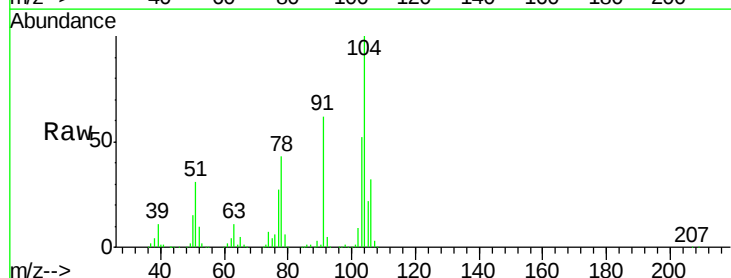
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025406

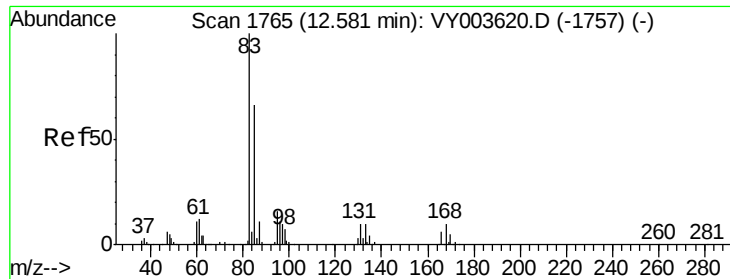
Tgt Ion:106 Resp: 154521
Ion Ratio Lower Upper
106 100
91 206.1 144.1 267.5



#55
Styrene
Concen: 26.040 ug/L
RT: 12.04 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VY003630.D
Acq: 01 Dec 2020 11:34

Tgt Ion:104 Resp: 267012
Ion Ratio Lower Upper
104 100
78 43.1 27.6 51.4

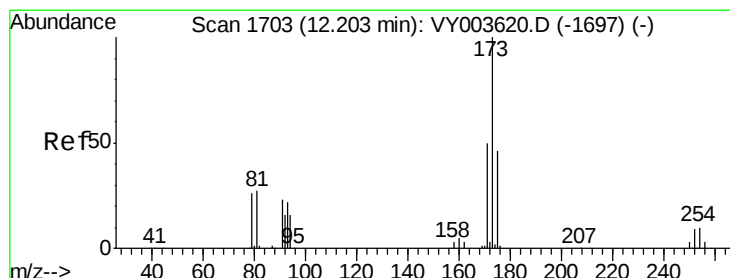
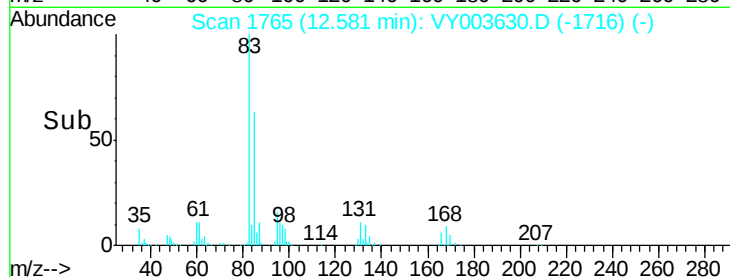
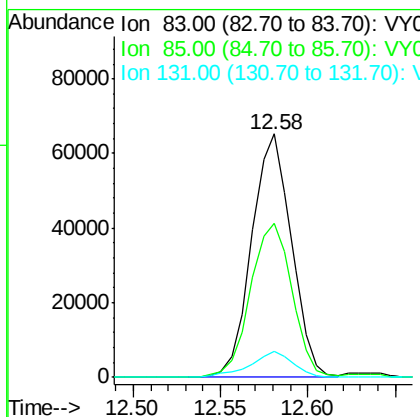
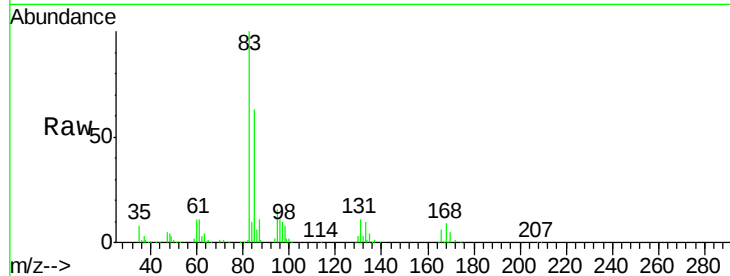




#57
 1,1,2,2-Tetrachloroethane
 Concen: 25.894 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

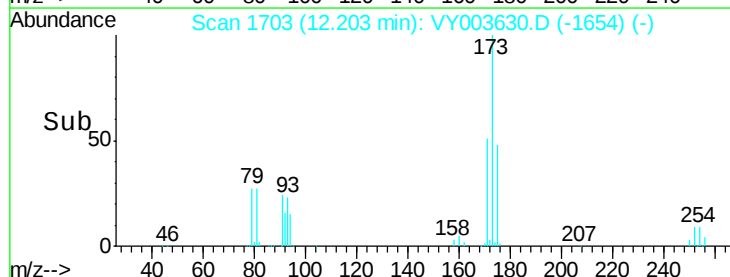
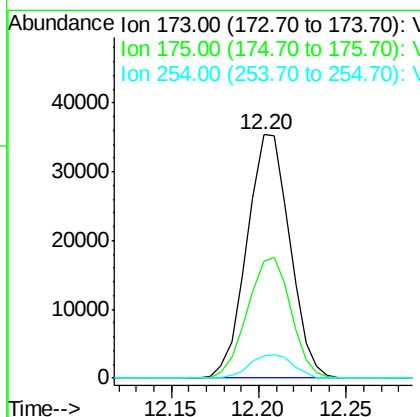
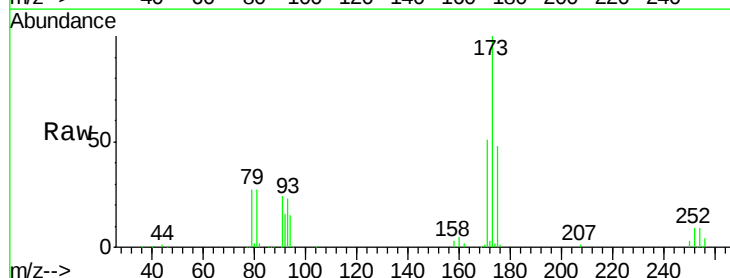
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025406

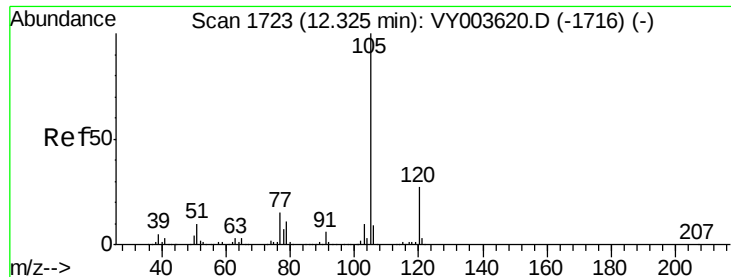
Tgt Ion: 83 Resp: 103324
 Ion Ratio Lower Upper
 83 100
 85 63.5 46.1 85.7
 131 10.6 8.1 12.1



#59
 Bromoform
 Concen: 24.929 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Tgt Ion: 173 Resp: 60557
 Ion Ratio Lower Upper
 173 100
 175 50.1 38.2 57.4
 254 9.8 8.0 12.0





#60

Isopropylbenzene

Concen: 25.464 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

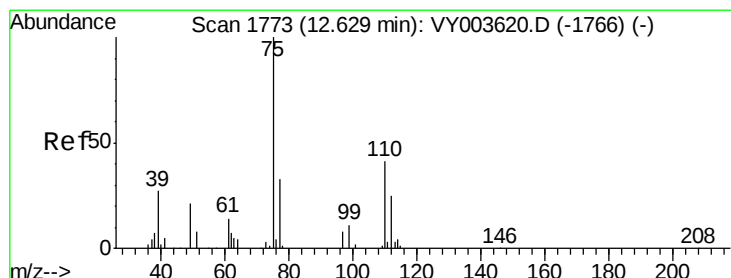
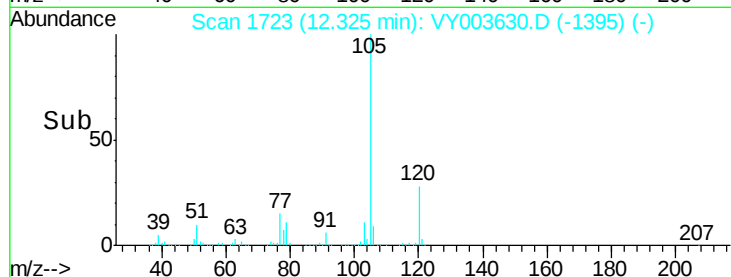
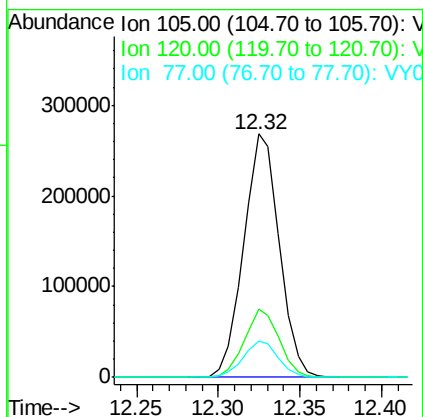
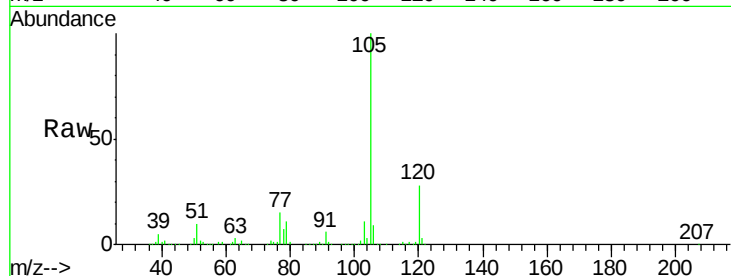
Instrument :

MSVOA_Y

ClientSampleId :

VSTD025406

Tgt Ion:	105	Resp:	408108
Ion Ratio	Lower	Upper	
105	100		
120	27.4	22.0	33.0
77	14.8	12.1	18.1



#61

1,2,3-Trichloropropane

Concen: 25.568 ug/L

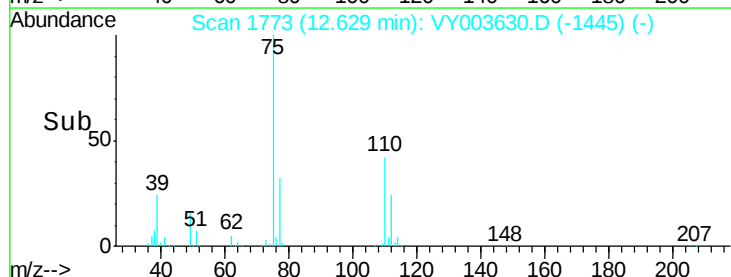
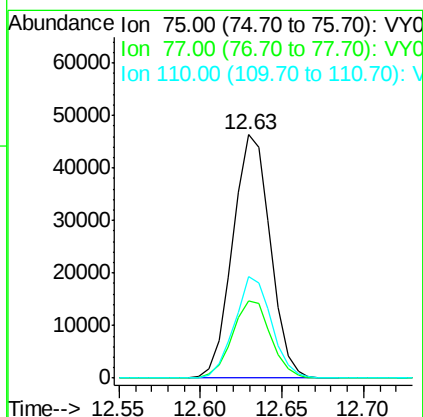
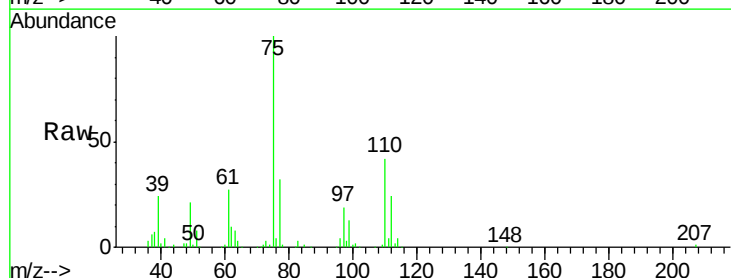
RT: 12.63 min Scan# 1773

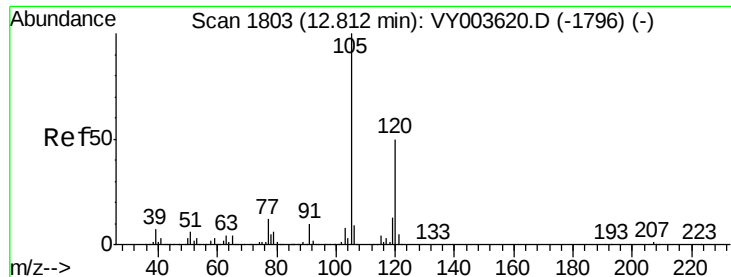
Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Tgt Ion:	75	Resp:	74536
Ion Ratio	Lower	Upper	
75	100		
77	32.4	26.3	39.5
110	40.8	33.0	49.4





#62

1,3,5-Trimethylbenzene

Concen: 26.397 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

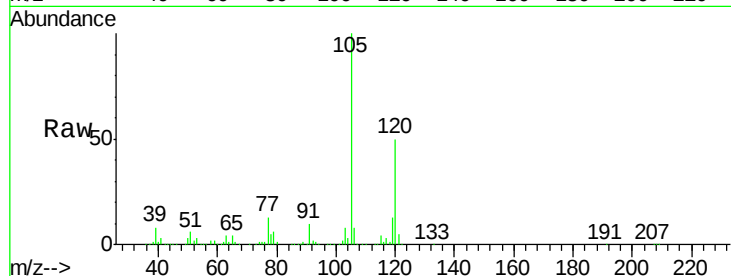
VSTD025406

Tgt Ion:105 Resp: 332818

Ion Ratio Lower Upper

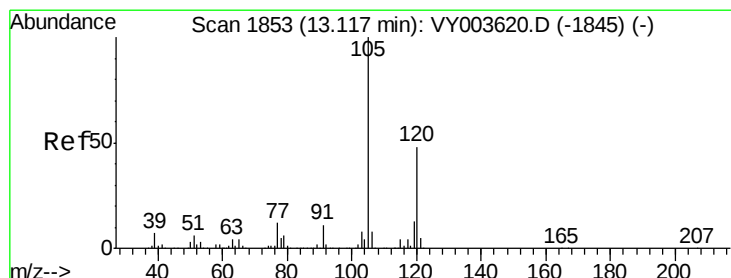
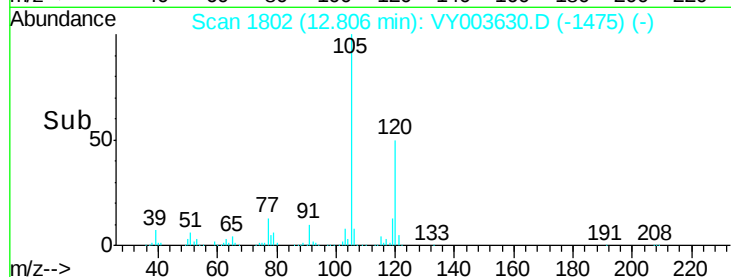
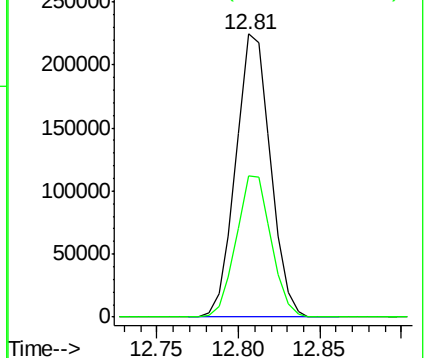
105 100

120 50.5 40.4 60.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 26.418 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003630.D

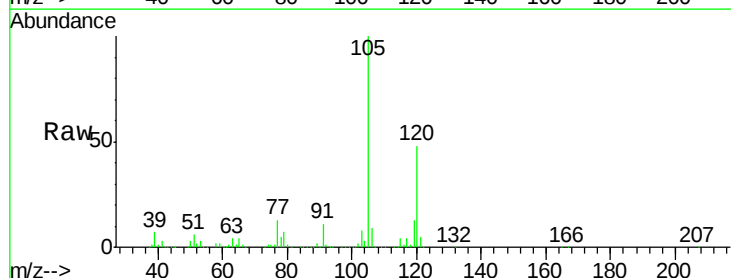
Acq: 01 Dec 2020 11:34

Tgt Ion:105 Resp: 327261

Ion Ratio Lower Upper

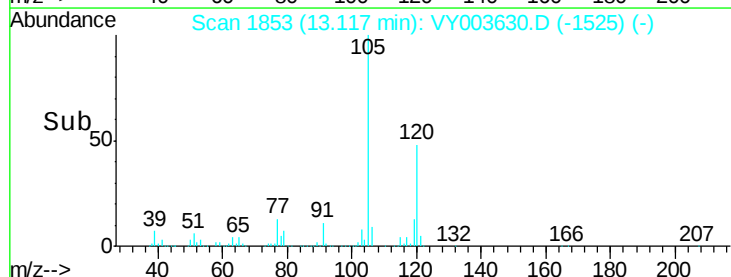
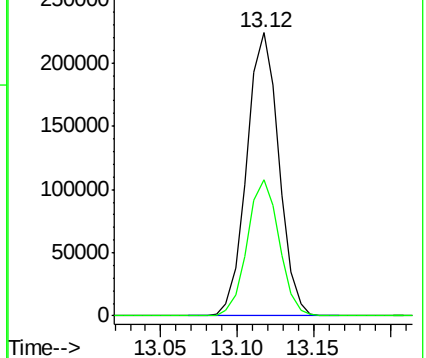
105 100

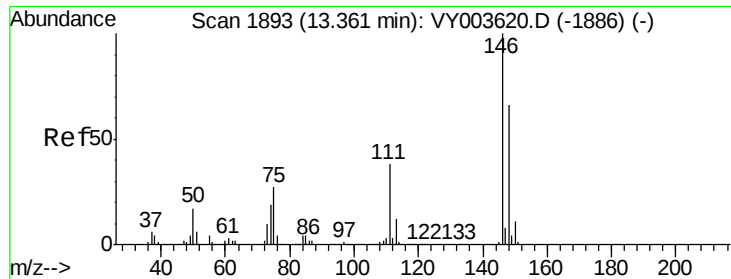
120 47.8 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

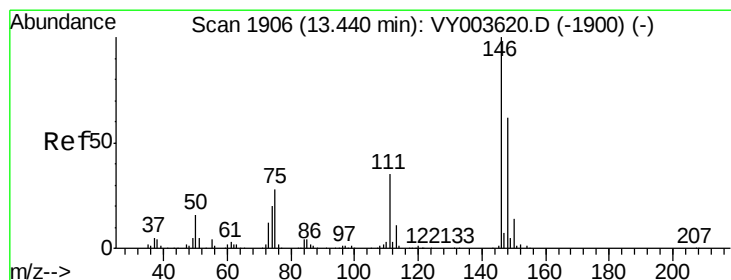
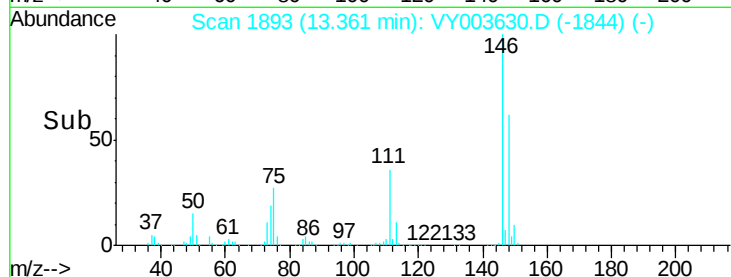
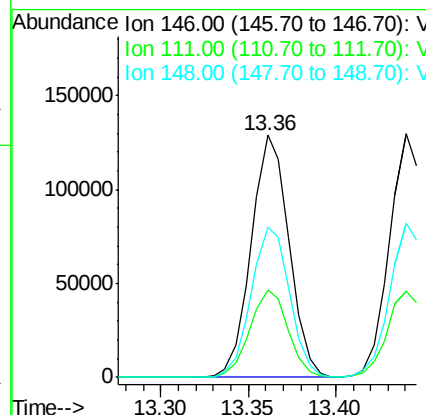
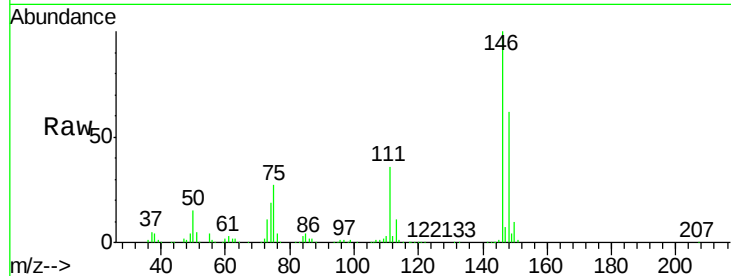




#64
 1,3-Dichlorobenzene
 Concen: 25.637 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

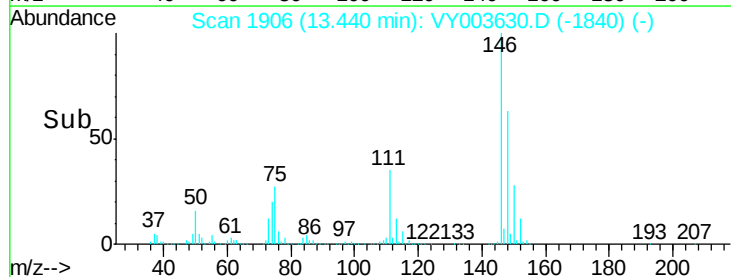
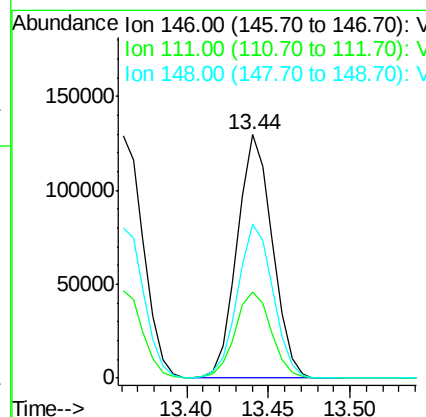
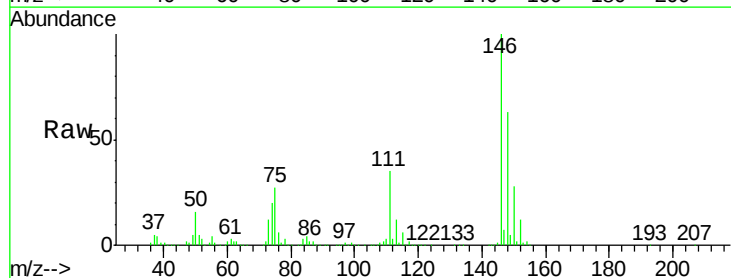
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025406

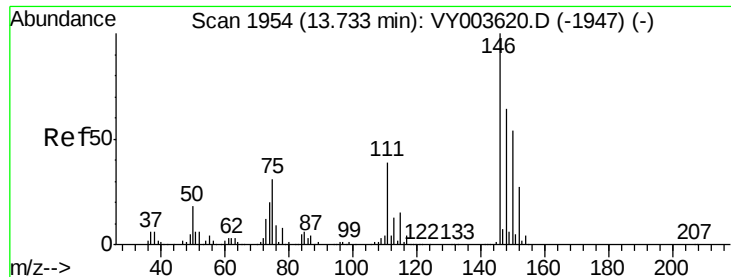
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	26.6	49.4
148	62.0	46.3	86.1



#65
 1,4-Dichlorobenzene
 Concen: 25.051 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	24.7	45.9
148	63.3	43.4	80.6





#67

1,2-Dichlorobenzene

Concen: 25.514 ug/L

RT: 13.73 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

Instrument :

MSVOA_Y

ClientSampled :

VSTD025406

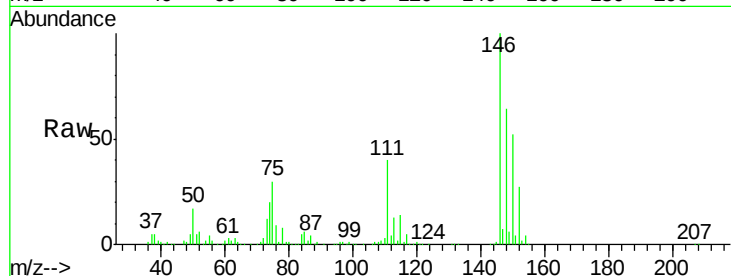
Tgt Ion:146 Resp: 180063

Ion Ratio Lower Upper

146 100

111 39.9 31.0 46.6

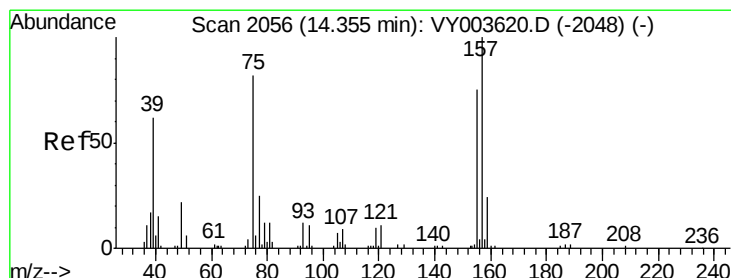
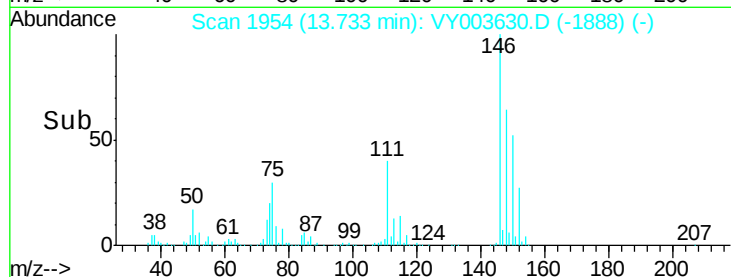
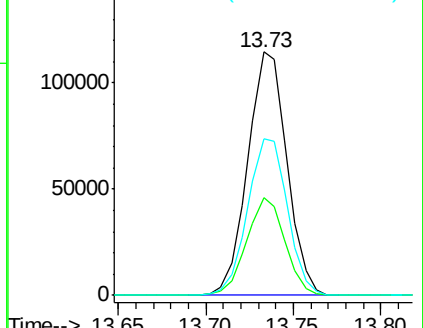
148 64.4 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 26.449 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003630.D

Acq: 01 Dec 2020 11:34

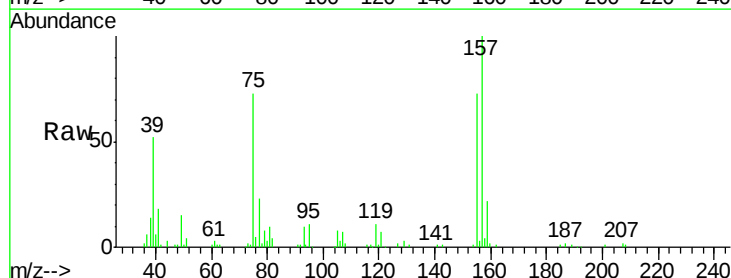
Tgt Ion: 75 Resp: 17518

Ion Ratio Lower Upper

75 100

155 99.5 73.4 110.0

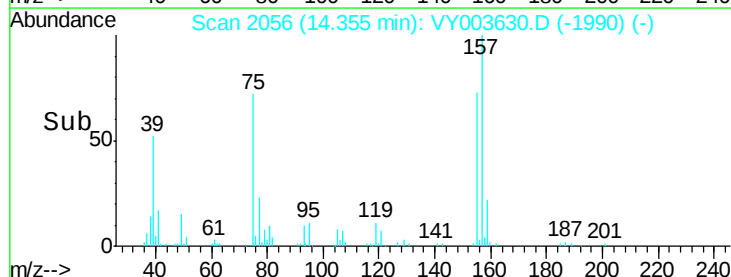
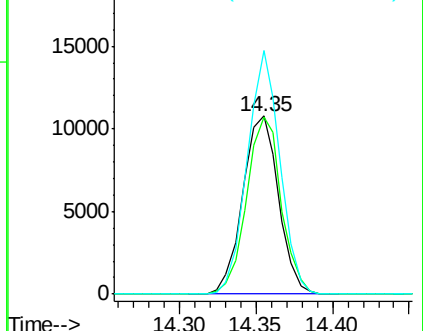
157 136.6 98.1 147.1

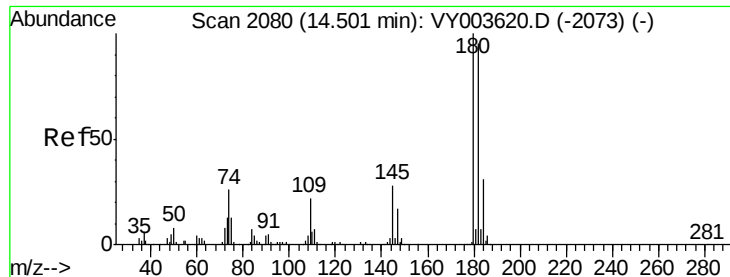


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

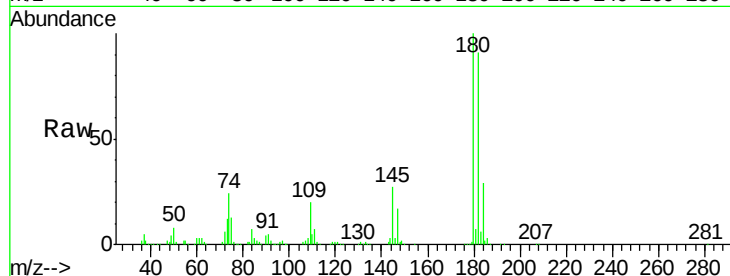




#69
 1,3,5-Trichlorobenzene
 Concen: 26.324 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025406

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	138539		
182	93.8	75.4	113.0	
184	29.7	24.1	36.1	
145	27.9	22.4	33.6	



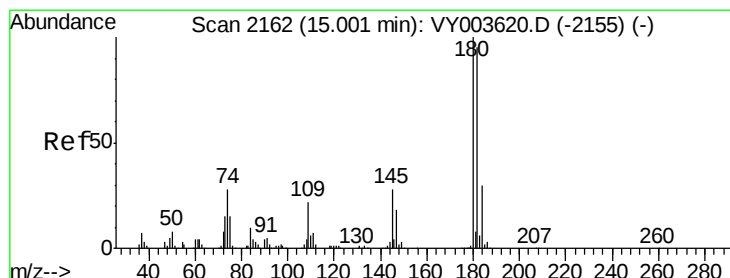
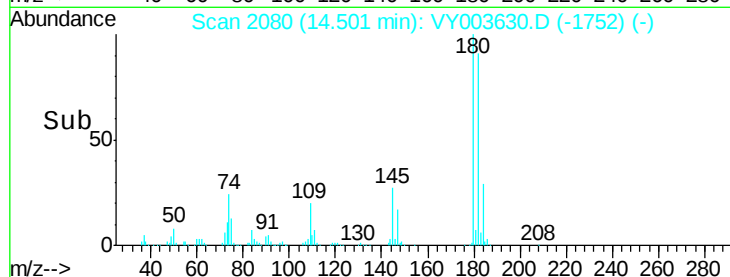
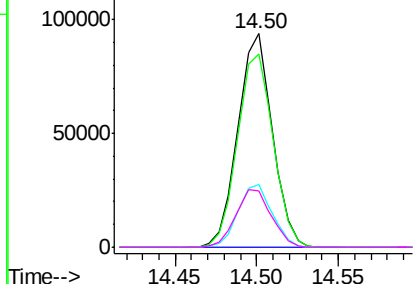
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

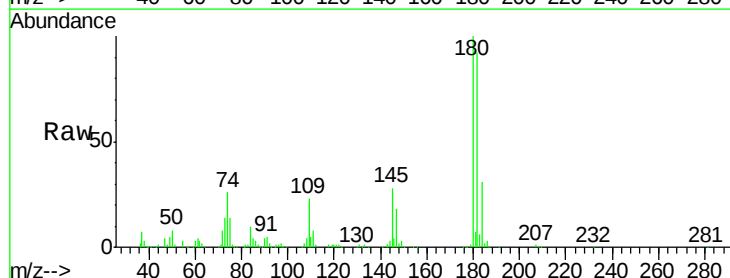
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 25.758 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VY003630.D
 Acq: 01 Dec 2020 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116748		
182	94.1	76.1	114.1	
145	28.3	22.8	34.2	

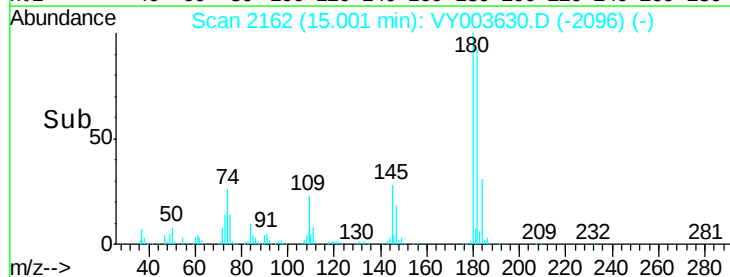
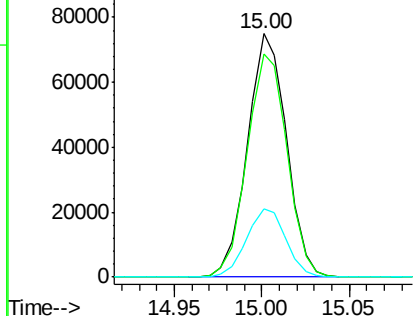


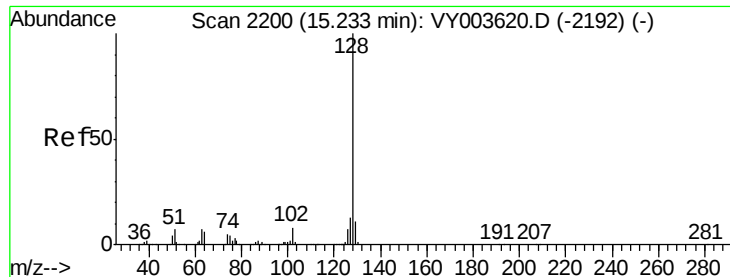
Abundance

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

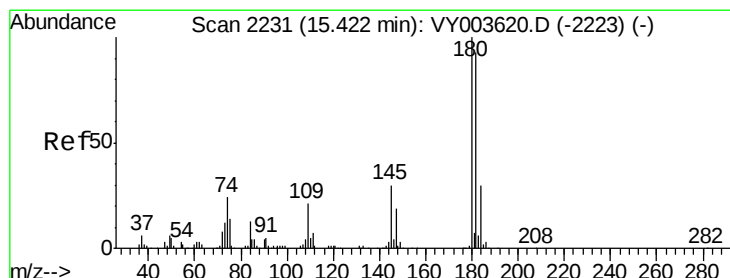
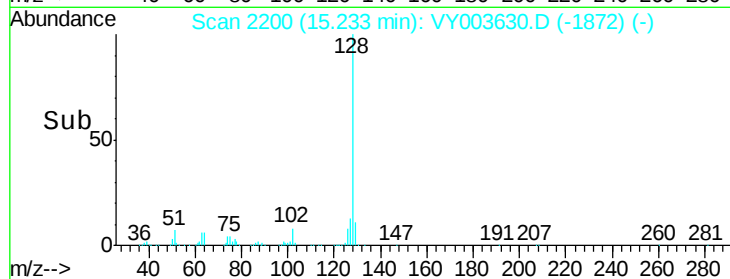
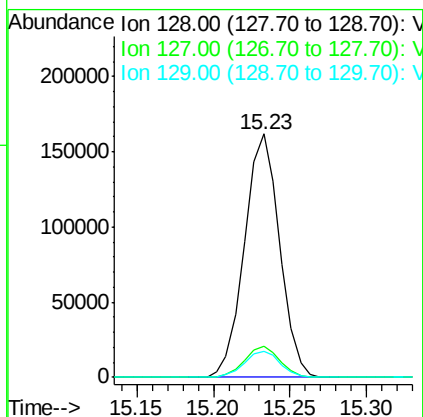
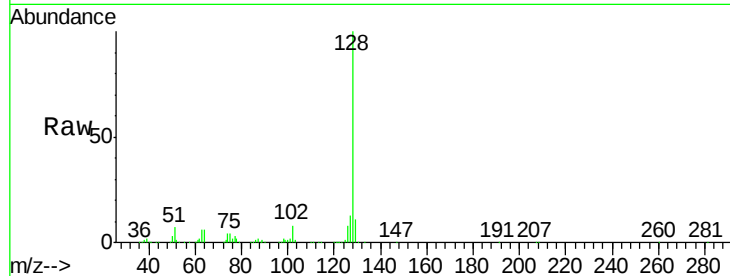




#71
Naphthalene
Concen: 27.400 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003630.D
Acq: 01 Dec 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025406

Tgt Ion:128 Resp: 258568
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.8 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 26.060 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VY003630.D
Acq: 01 Dec 2020 11:34

Tgt Ion:180 Resp: 108311
Ion Ratio Lower Upper
180 100
182 94.6 76.2 114.4
145 29.8 23.6 35.4

