

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111419\
 Data File : VY000673.D
 Acq On : 14 Nov 2019 11:42
 Operator : SY/MD
 Sample : VSTD00580
 Misc : 5ML/MSVOA_Y/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

Quant Time: Nov 15 09:54:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 09:51:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	393112	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	357204	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	171379	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	14470	4.69	ug/L	0.00
7) Chloroethane-d5	2.76	69	11355	4.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	24537	5.16	ug/L	0.00
21) 2-Butanone-d5	6.91	46	10822	4.44	ug/L	0.00
24) Chloroform-d	7.49	84	18698	4.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	14117	4.50	ug/L	0.00
32) Benzene-d6	8.11	84	47349	4.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	14009	4.55	ug/L	0.00
41) Toluene-d8	10.18	98	41903	4.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	6723	4.36	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	7171	3.95	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.56	84	14985	4.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.72	152	16165	4.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	11367	5.064 ug/L	99
3) Chloromethane	2.12	50	15021	5.031 ug/L	85
5) Vinyl chloride	2.25	62	15077	5.037 ug/L	99
6) Bromomethane	2.65	94	8444	4.907 ug/L	98
8) Chloroethane	2.80	64	9426	5.017 ug/L	96
9) Trichlorofluoromethane	3.13	101	22694	5.135 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.89	101	7157	2.906 ug/L #	64
12) 1,1-Dichloroethene	3.87	96	12882	5.221 ug/L	92
13) Acetone	3.95	43	9319	5.313 ug/L	98
14) Carbon disulfide	4.19	76	33467	4.917 ug/L #	95
15) Methyl Acetate	4.48	43	11335	5.143 ug/L	99
16) Methylene chloride	4.71	84	8225	3.117 ug/L	91
17) trans-1,2-Dichloroethene	5.22	96	13610	5.282 ug/L	78
18) Methyl tert-butyl Ether	5.22	73	37740	4.866 ug/L #	87
19) 1,1-Dichloroethane	6.02	63	23442	5.062 ug/L	97
20) cis-1,2-Dichloroethene	6.99	96	14610	5.059 ug/L	93
22) 2-Butanone	7.00	43	12819	4.645 ug/L	83
23) Bromochloromethane	7.34	128	6324	4.750 ug/L #	83
25) Chloroform	7.51	83	28994	5.468 ug/L	99
27) 1,2-Dichloroethane	8.25	62	17837	4.926 ug/L #	88
29) Cyclohexane	7.78	56	20838	4.998 ug/L	98
30) 1,1,1-Trichloroethane	7.70	97	19189	4.918 ug/L	98
31) Carbon tetrachloride	7.90	117	17481	5.004 ug/L	99
33) Benzene	8.16	78	52989	4.980 ug/L	100
34) Trichloroethene	8.94	95	13815	5.171 ug/L	89
35) Methylcyclohexane	9.18	83	23072	5.231 ug/L	94
37) 1,2-Dichloropropane	9.22	63	12593	4.771 ug/L #	96
38) Bromodichloromethane	9.50	83	17064	4.812 ug/L #	94
39) cis-1,3-Dichloropropene	9.92	75	21835	4.869 ug/L	94
40) 4-Methyl-2-pentanone	10.08	43	27900	4.607 ug/L	99

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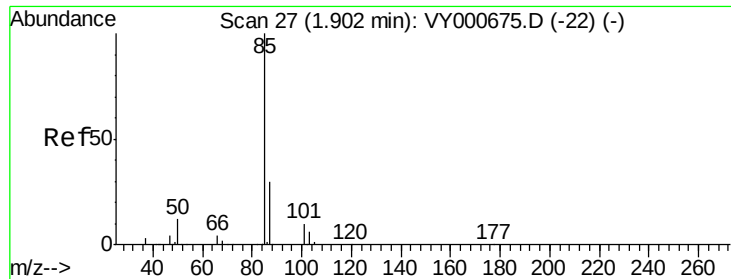
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

Quant Time: Nov 15 09:54:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.24	91	55045	4.887	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	17531	4.464	ug/L	93
45) 1,1,2-Trichloroethane	10.64	97	13097	5.230	ug/L	96
46) Tetrachloroethene	10.72	164	10633	5.144	ug/L	90
48) 2-Hexanone	10.83	43	20256	4.633	ug/L	96
49) Dibromochloromethane	10.99	129	12505	4.610	ug/L	85
50) 1,2-Dibromoethane	11.09	107	11580	4.620	ug/L #	93
51) Chlorobenzene	11.51	112	36007	4.962	ug/L	96
52) Ethylbenzene	11.59	91	62074	4.829	ug/L	99
53) m,p-Xylene	11.70	106	24492	4.954	ug/L	95
54) o-xylene	12.02	106	23597	4.869	ug/L	100
55) Styrene	12.04	104	37472	4.550	ug/L	99
56) Isopropylbenzene	12.33	105	57606	4.644	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.58	83	16504	4.659	ug/L	96
59) 1,2,3-Trichloropropane	12.63	75	13458	4.802	ug/L	97
61) Bromoform	12.20	173	8026	4.626	ug/L	91
62) 1,3-Dichlorobenzene	13.36	146	25861	4.812	ug/L	95
63) 1,4-Dichlorobenzene	13.44	146	28379	5.154	ug/L	93
65) 1,2-Dichlorobenzene	13.73	146	28179	5.323	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.36	75	3055	4.777	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.50	180	19730	5.260	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	18401	5.229	ug/L	96
69) Naphthalene	15.23	128	52170	4.962	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	16907	4.992	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 5.064 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

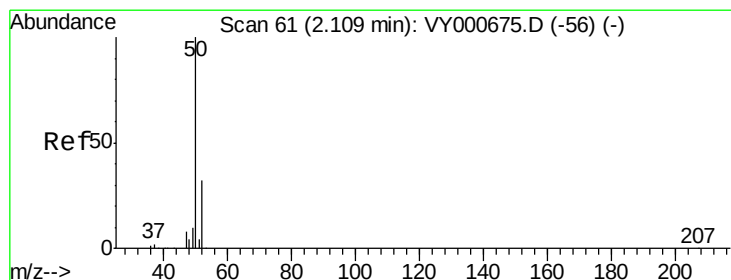
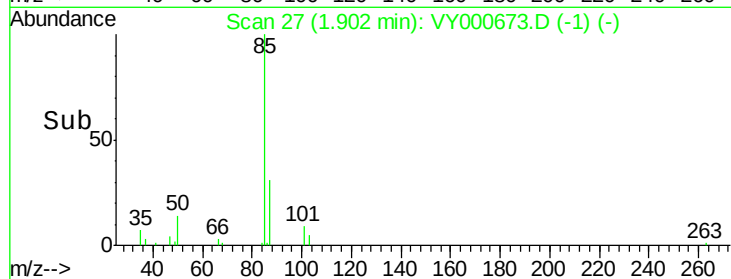
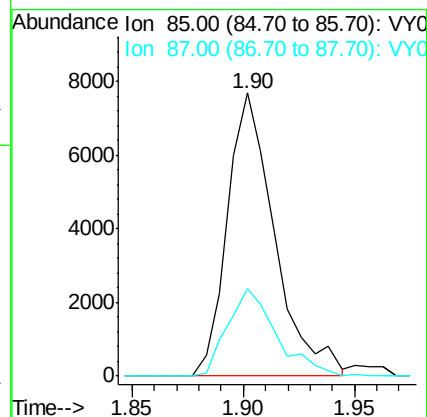
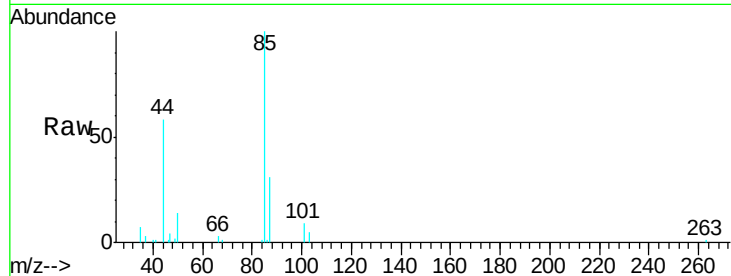
VSTD00580

Tgt Ion: 85 Resp: 11367

Ion Ratio Lower Upper

85 100

87 31.7 25.8 38.6



#3

Chloromethane

Concen: 5.031 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000673.D

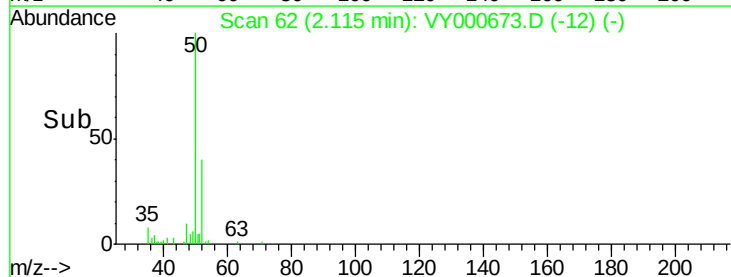
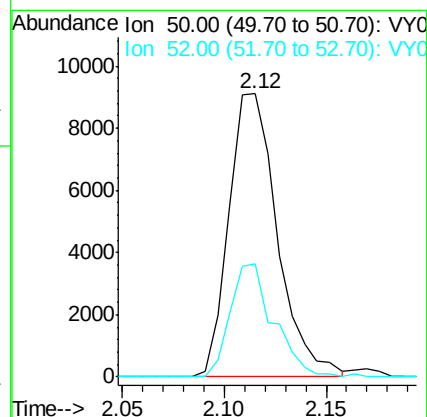
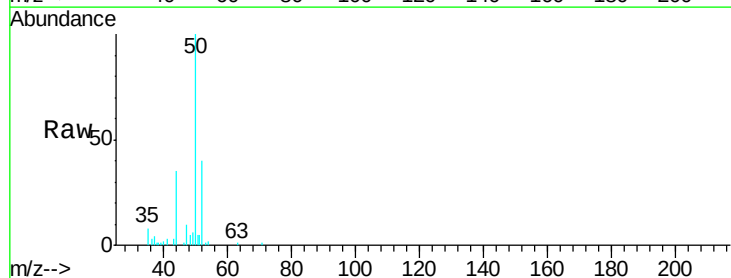
Acq: 14 Nov 2019 11:42

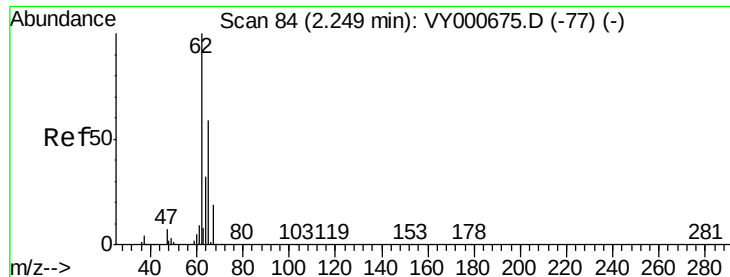
Tgt Ion: 50 Resp: 15021

Ion Ratio Lower Upper

50 100

52 39.9 22.2 41.2





#5

Vinyl chloride

Concen: 5.037 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

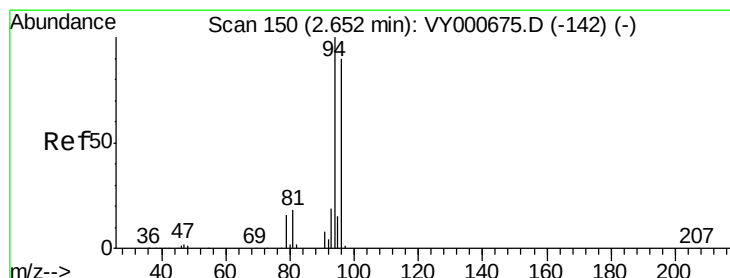
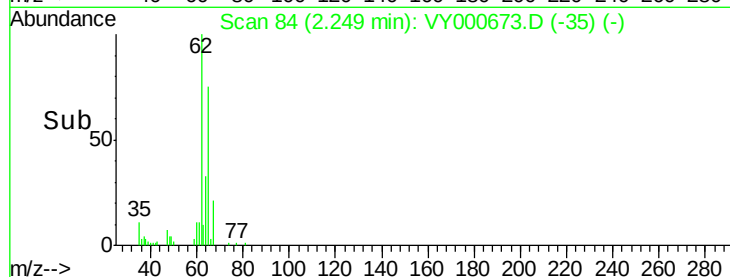
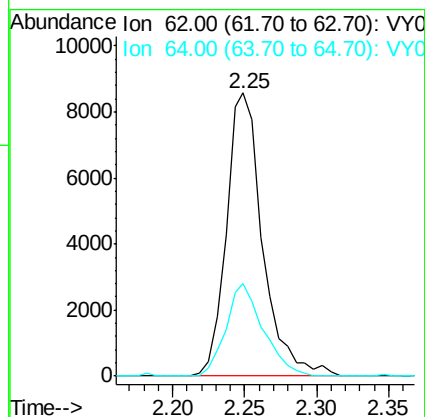
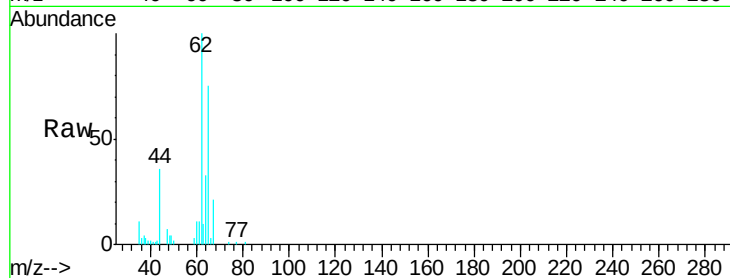
VSTD00580

Tgt Ion: 62 Resp: 15077

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.1



#6

Bromomethane

Concen: 4.907 ug/L

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY000673.D

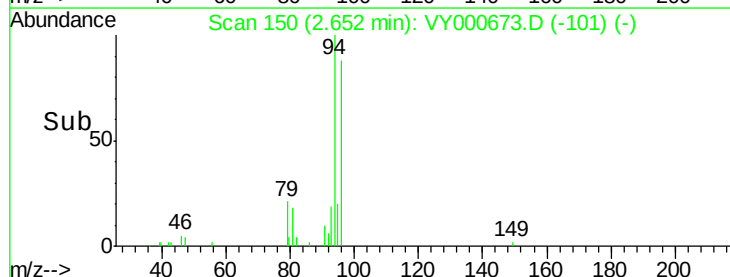
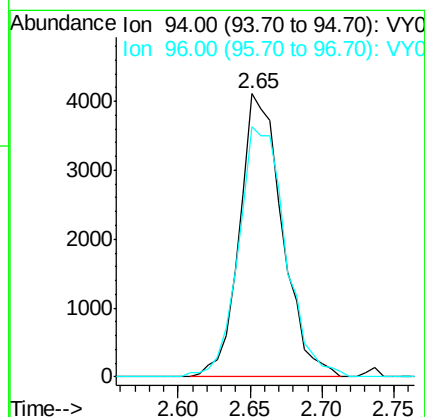
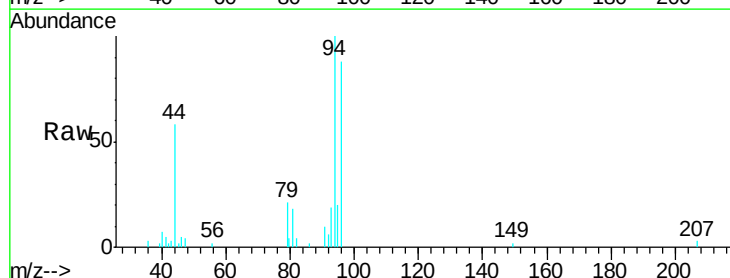
Acq: 14 Nov 2019 11:42

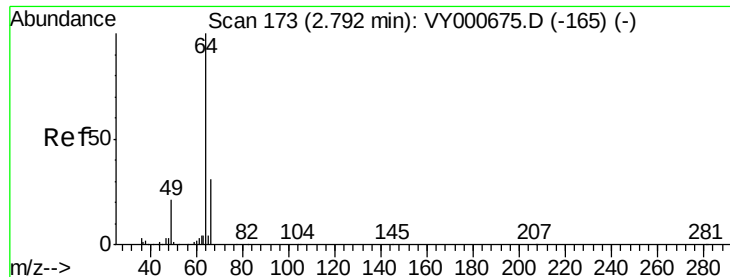
Tgt Ion: 94 Resp: 8444

Ion Ratio Lower Upper

94 100

96 88.2 63.0 117.0





#8

Chloroethane

Concen: 5.017 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

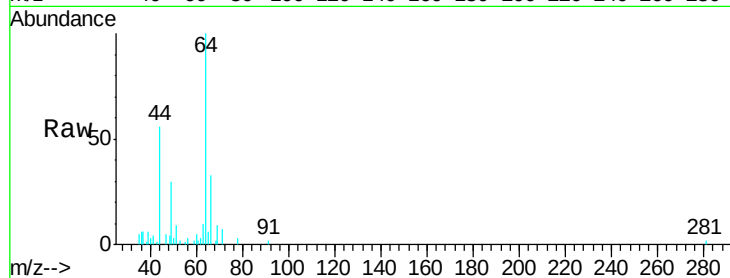
VSTD00580

Tgt Ion: 64 Resp: 9426

Ion Ratio Lower Upper

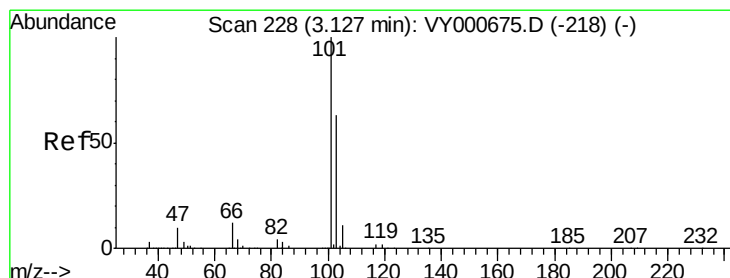
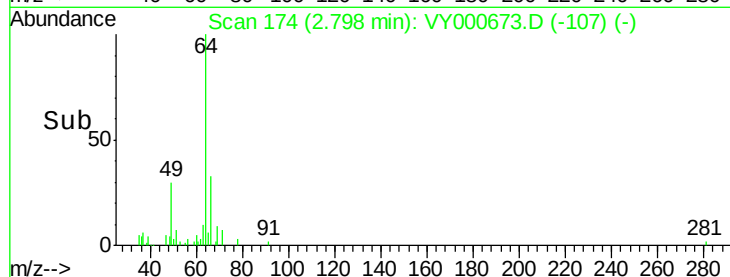
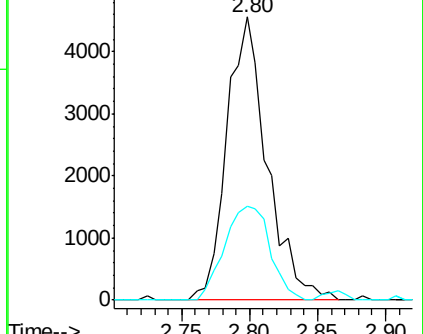
64 100

66 33.3 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 5.135 ug/L

RT: 3.13 min Scan# 228

Delta R.T. -0.00 min

Lab File: VY000673.D

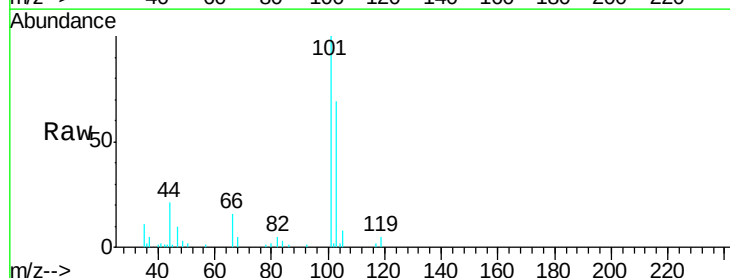
Acq: 14 Nov 2019 11:42

Tgt Ion: 101 Resp: 22694

Ion Ratio Lower Upper

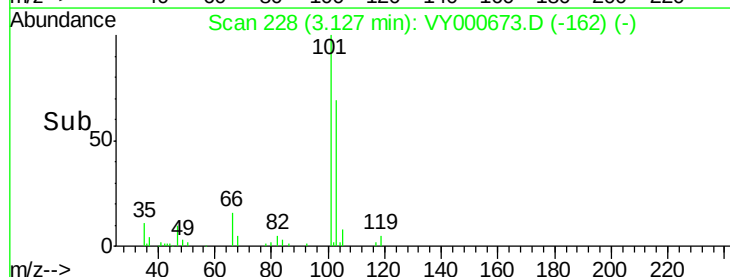
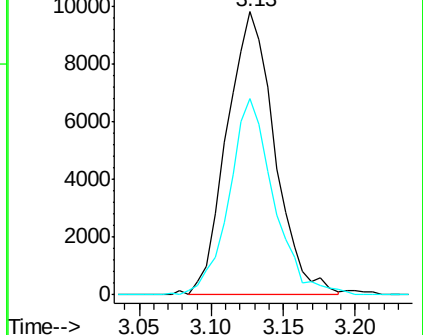
101 100

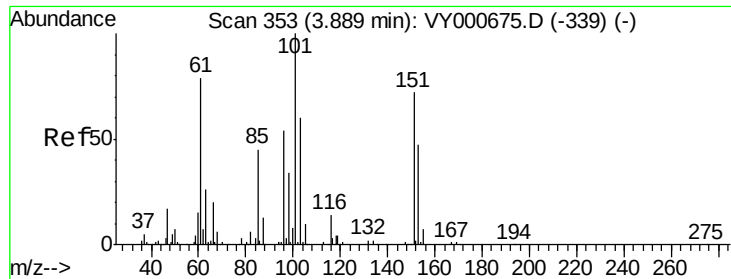
103 62.6 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 2.906 ug/L

RT: 3.89 min Scan# 353

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

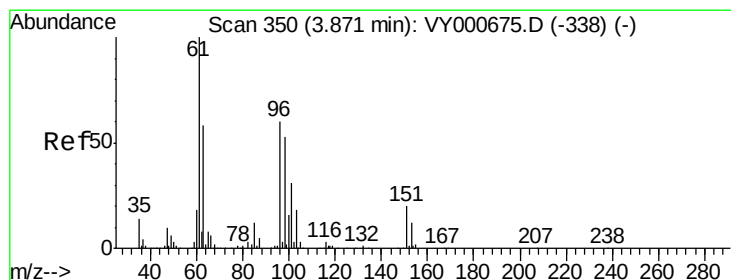
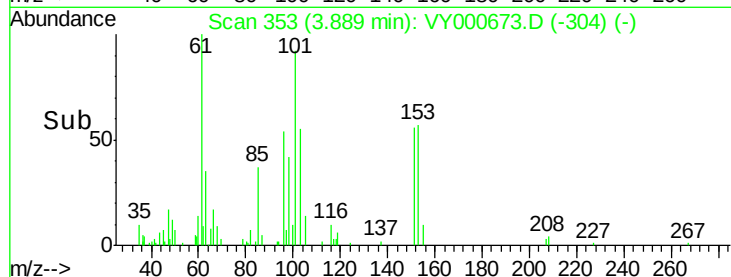
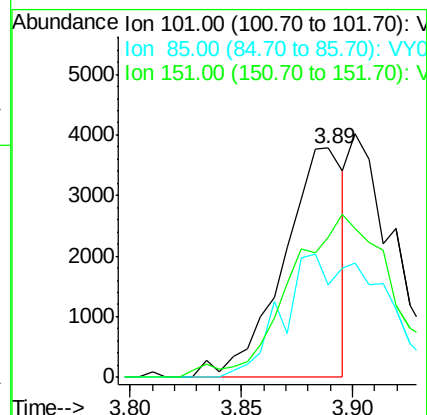
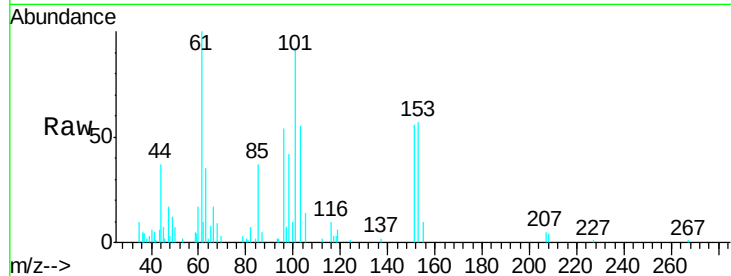
Tgt Ion:101 Resp: 7157

Ion Ratio Lower Upper

101 100

85 45.5 35.3 52.9

151 119.5 57.7 86.5#



#12

1,1-Dichloroethene

Concen: 5.221 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

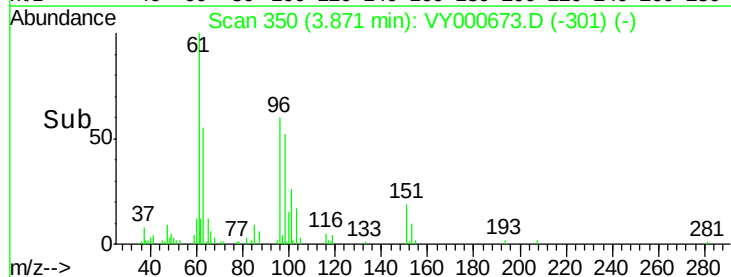
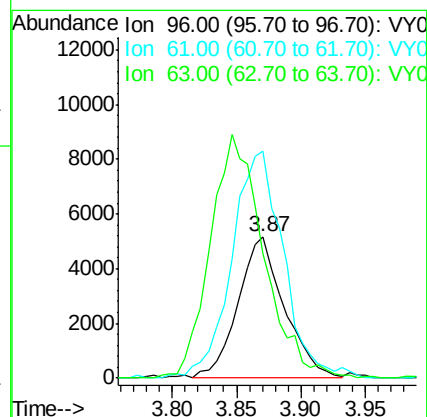
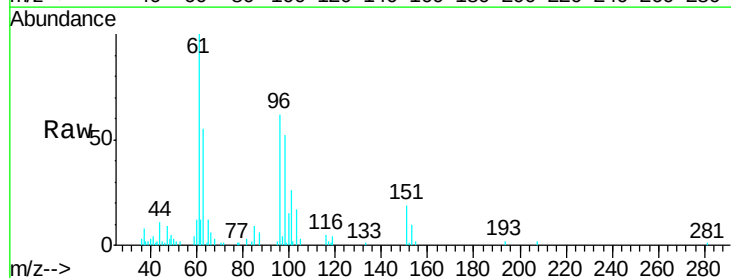
Tgt Ion: 96 Resp: 12882

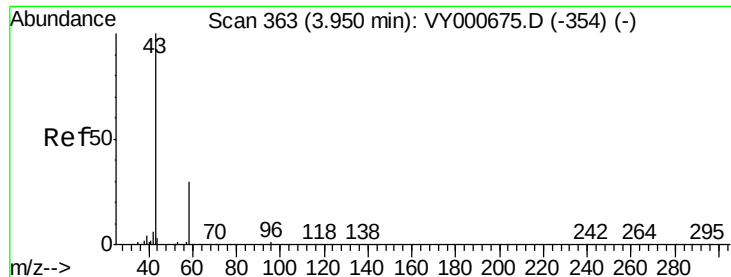
Ion Ratio Lower Upper

96 100

61 160.9 117.5 218.3

63 87.9 70.1 130.3





#13

Acetone

Concen: 5.313 ug/L

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

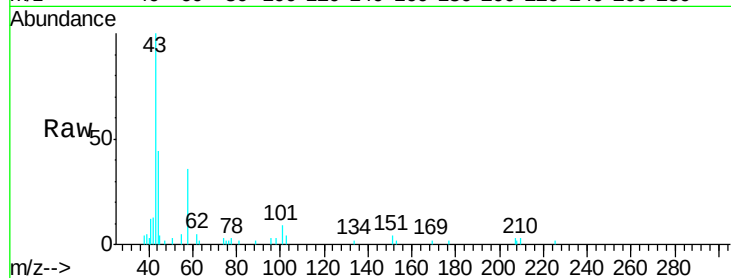
VSTD00580

Tgt Ion: 43 Resp: 9319

Ion Ratio Lower Upper

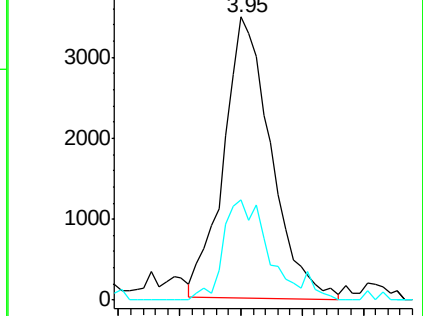
43 100

58 32.0 0.0 62.2

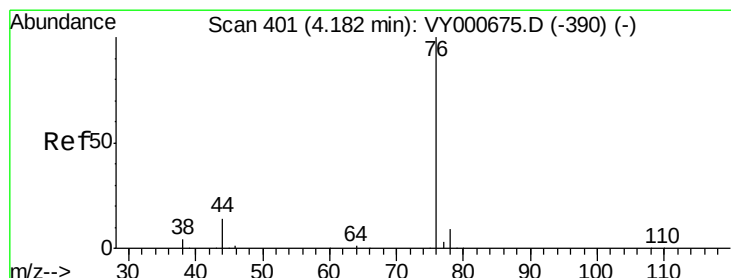
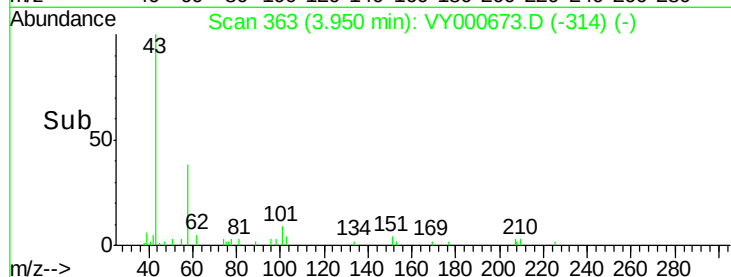


Abundance Ion 43.00 (42.70 to 43.70): VY000673.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VY000673.D (-354) (-)



Time-->



#14

Carbon disulfide

Concen: 4.917 ug/L

RT: 4.19 min Scan# 402

Delta R.T. 0.01 min

Lab File: VY000673.D

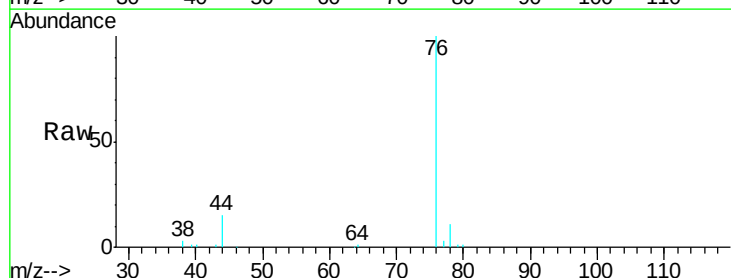
Acq: 14 Nov 2019 11:42

Tgt Ion: 76 Resp: 33467

Ion Ratio Lower Upper

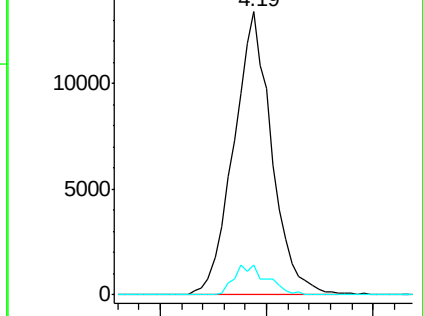
76 100

78 10.7 7.0 10.6#

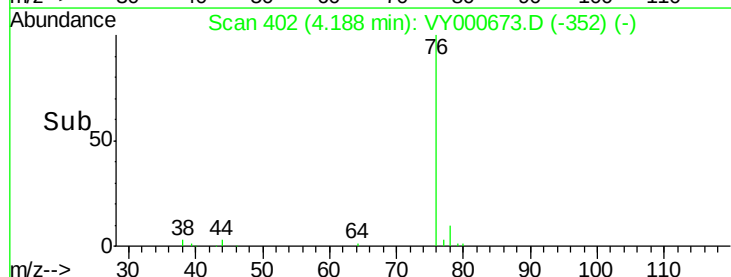


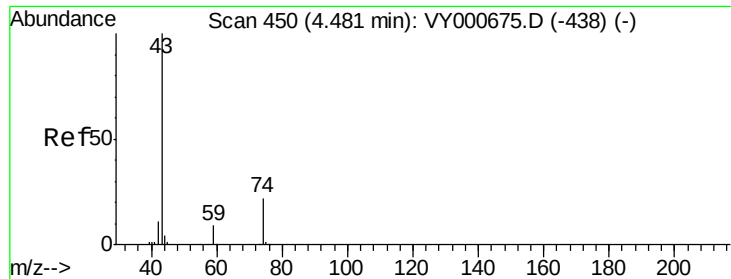
Abundance Ion 76.00 (75.70 to 76.70): VY000673.D (-390) (-)

Ion 78.00 (77.70 to 78.70): VY000673.D (-390) (-)



Time-->





#15

Methyl Acetate

Concen: 5.143 ug/L

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

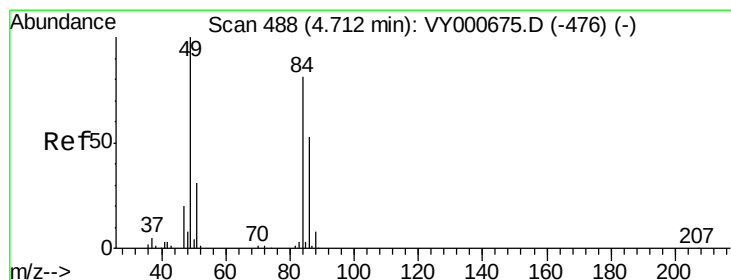
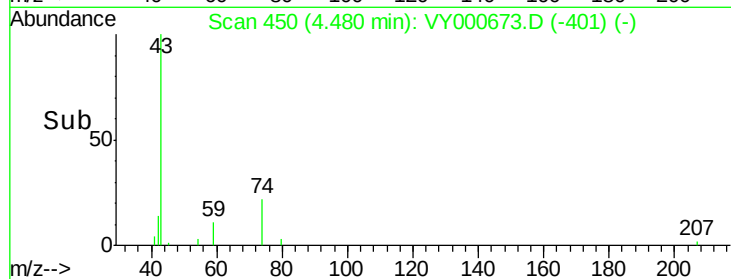
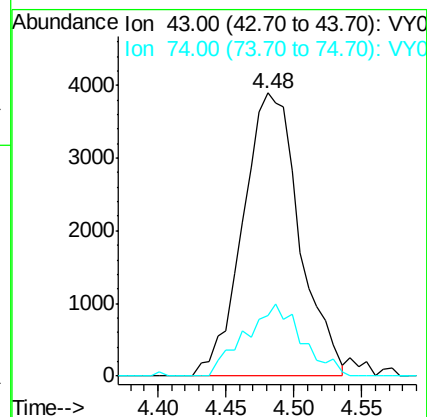
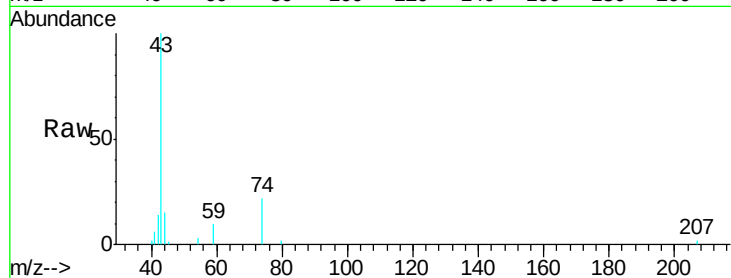
VSTD00580

Tgt Ion: 43 Resp: 11335

Ion Ratio Lower Upper

43 100

74 24.6 19.1 28.7



#16

Methylene chloride

Concen: 3.117 ug/L

RT: 4.71 min Scan# 487

Delta R.T. -0.01 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

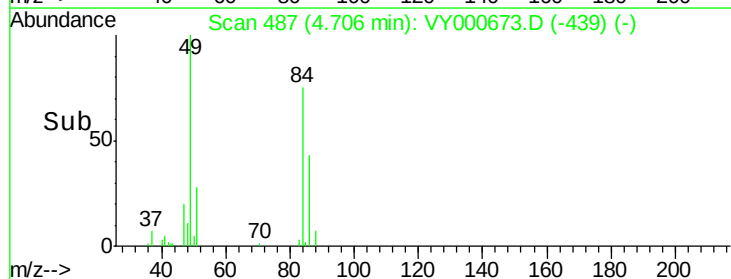
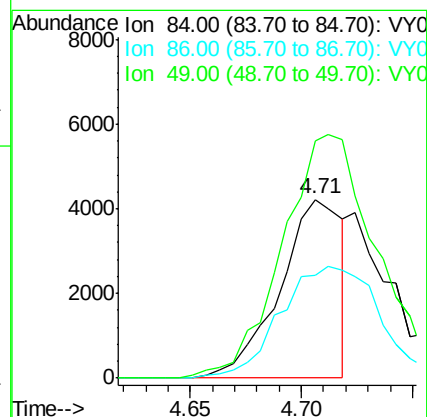
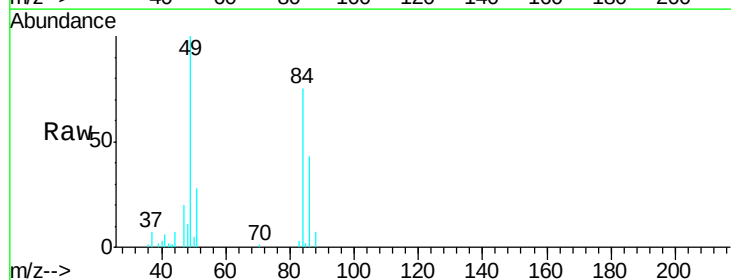
Tgt Ion: 84 Resp: 8225

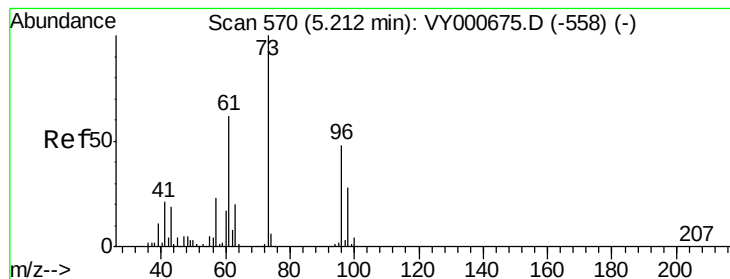
Ion Ratio Lower Upper

84 100

86 57.5 45.9 85.3

49 132.6 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 5.282 ug/L

RT: 5.22 min Scan# 571

Delta R.T. 0.01 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

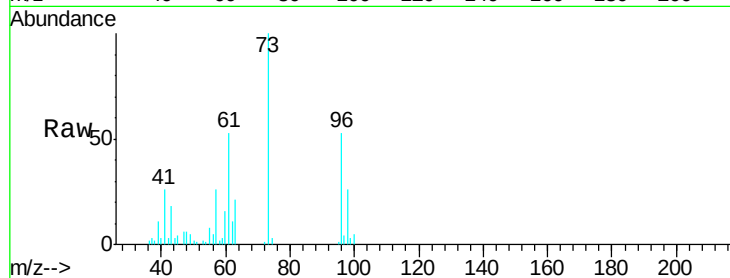
Tgt Ion: 96 Resp: 13610

Ion Ratio Lower Upper

96 100

61 99.9 90.8 168.6

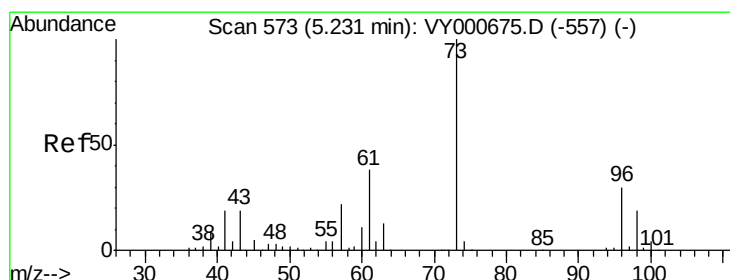
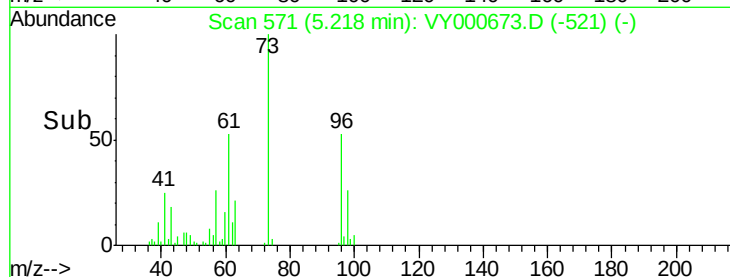
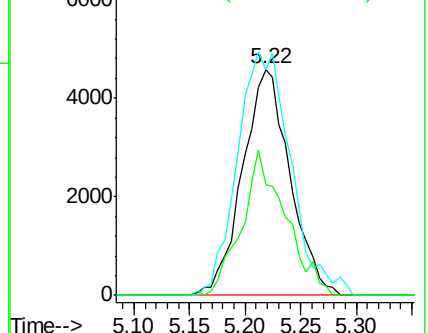
98 48.6 41.0 76.2



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0



#18

Methyl tert-butyl Ether

Concen: 4.866 ug/L

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

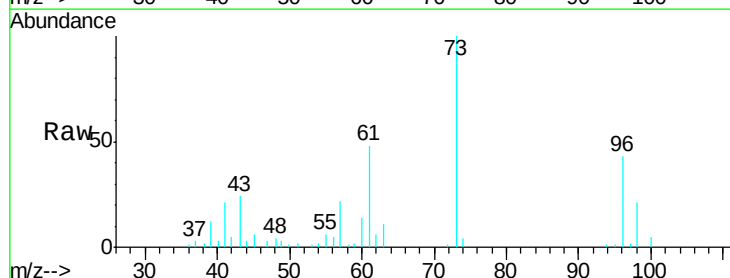
Tgt Ion: 73 Resp: 37740

Ion Ratio Lower Upper

73 100

43 10.9 15.5 23.3#

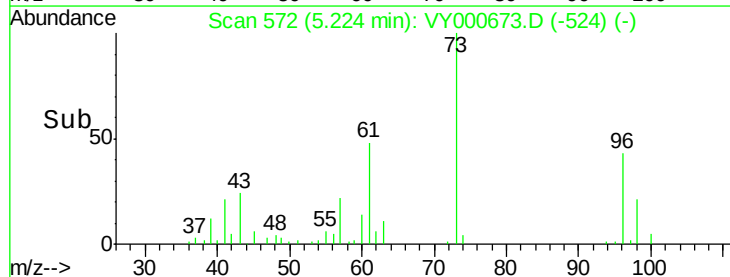
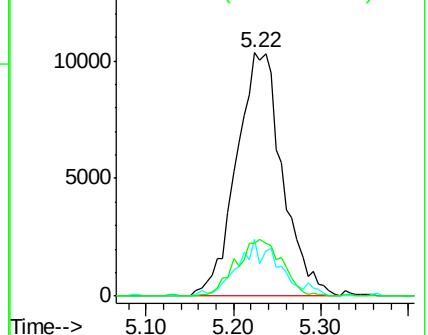
57 18.3 17.7 26.5

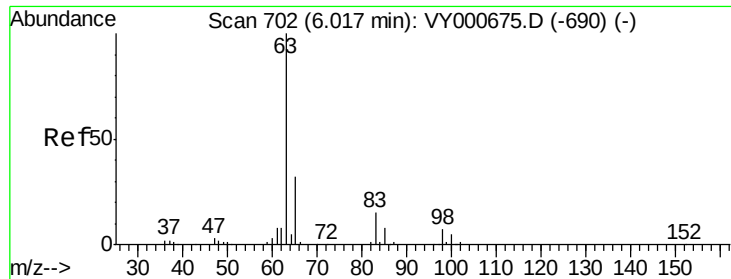


Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

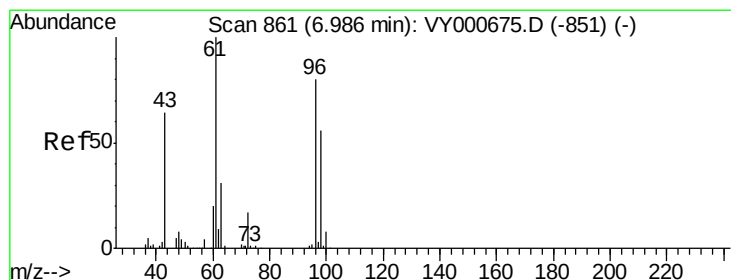
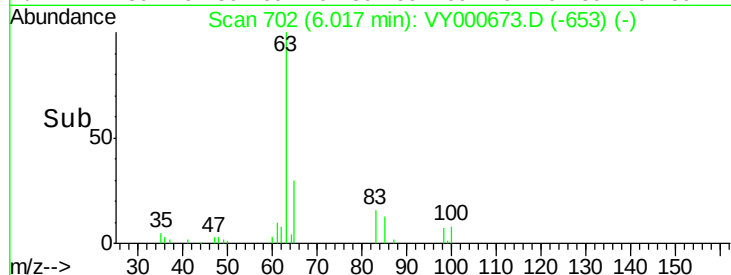
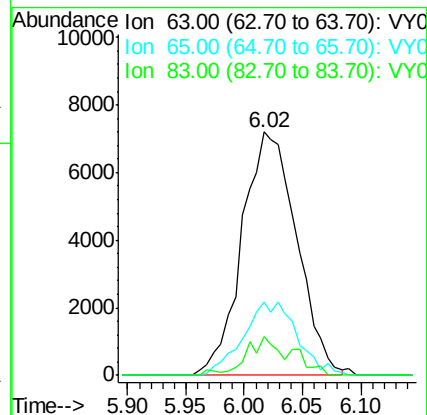
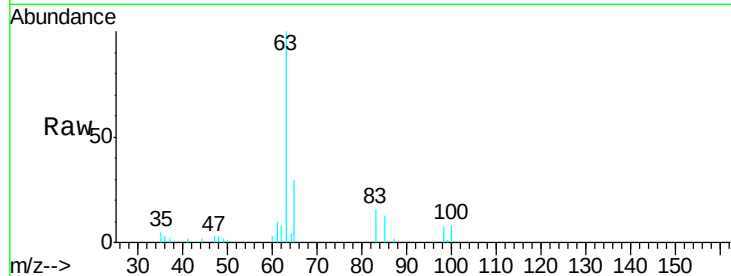




#19
 1,1-Dichloroethane
 Concen: 5.062 ug/L
 RT: 6.02 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

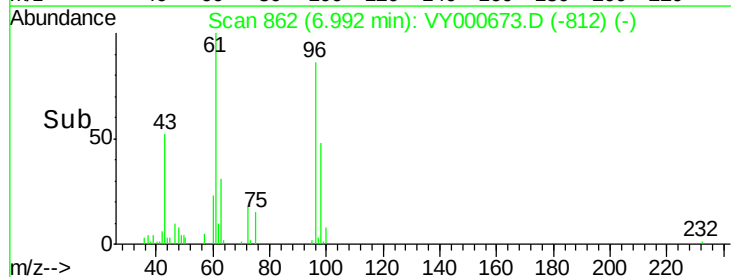
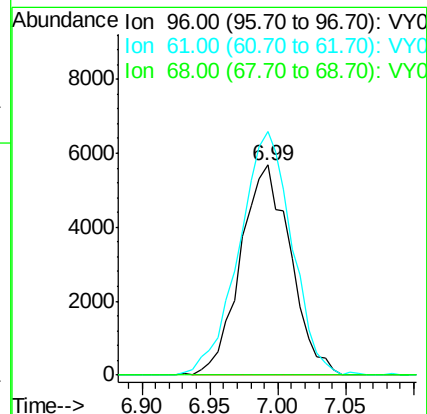
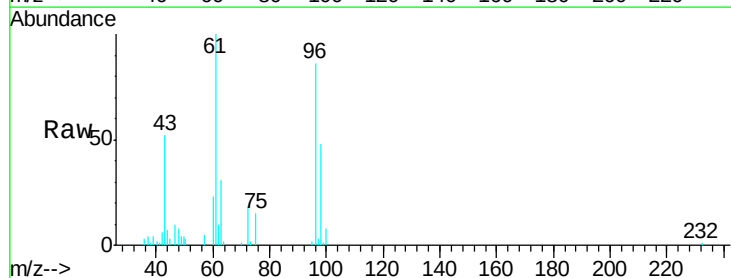
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

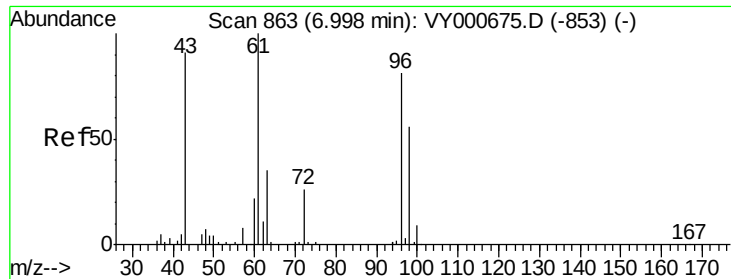
Tgt Ion: 63 Resp: 23442
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.7 42.1
 83 15.7 10.5 19.5



#20
 cis-1,2-Dichloroethene
 Concen: 5.059 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

Tgt Ion: 96 Resp: 14610
 Ion Ratio Lower Upper
 96 100
 61 116.1 87.2 162.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.645 ug/L

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

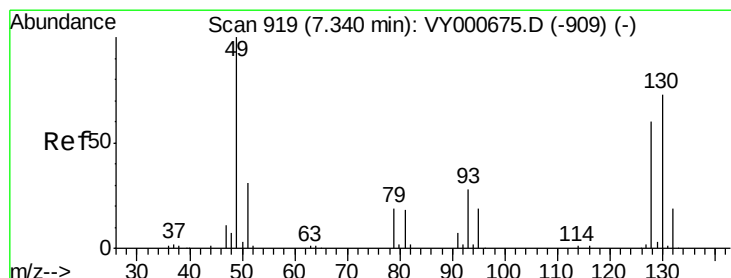
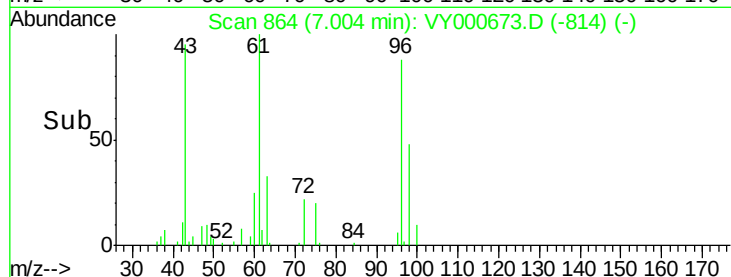
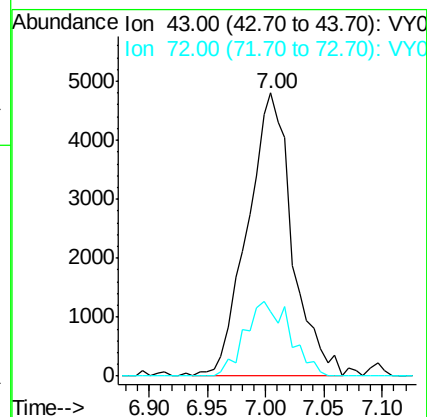
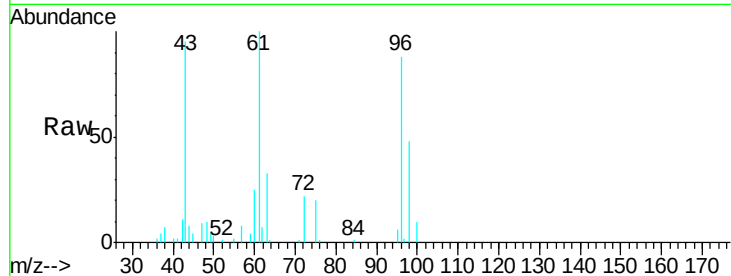
VSTD00580

Tgt Ion: 43 Resp: 12819

Ion Ratio Lower Upper

43 100

72 18.7 13.7 41.1



#23

Bromochloromethane

Concen: 4.750 ug/L

RT: 7.34 min Scan# 919

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Tgt Ion: 128 Resp: 6324

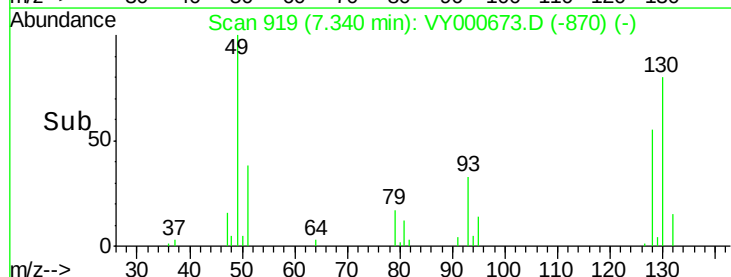
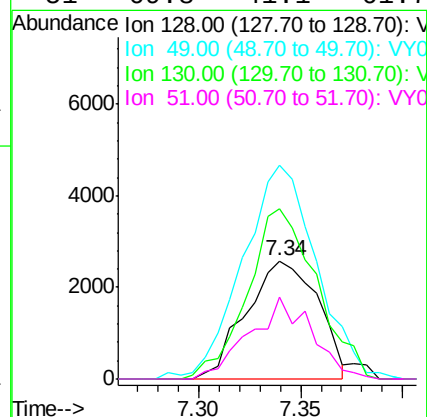
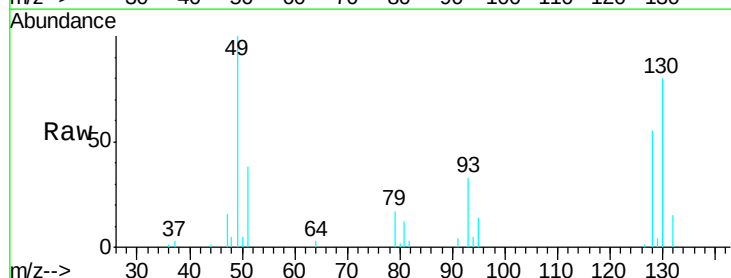
Ion Ratio Lower Upper

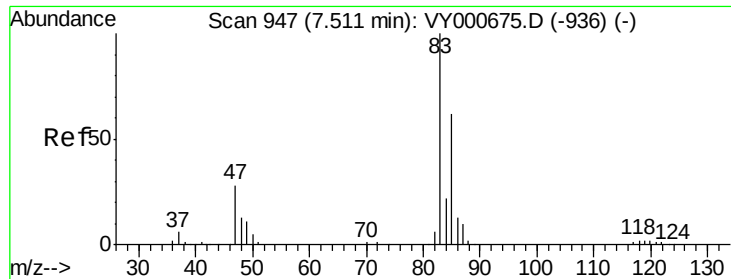
128 100

49 181.4 116.6 216.5

130 144.7 85.4 158.6

51 69.8 41.1 61.7#

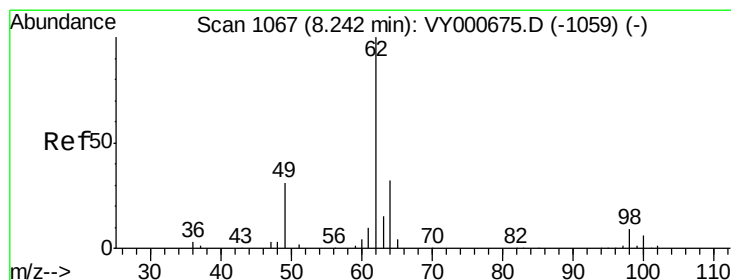
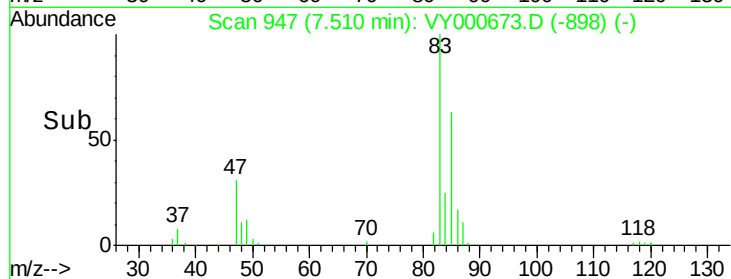
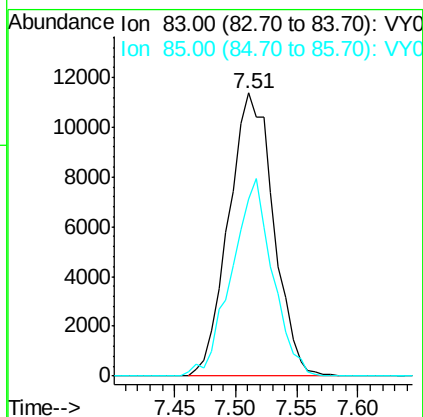
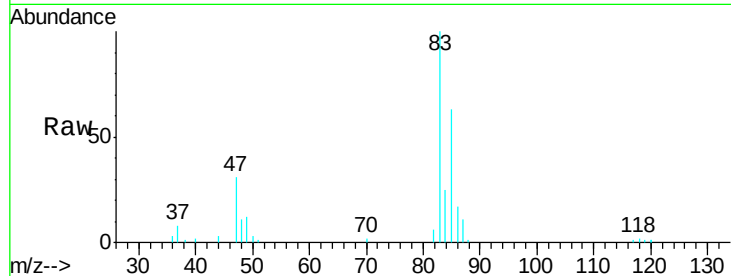




#25
Chloroform
Concen: 5.468 ug/L
RT: 7.51 min Scan# 947
Delta R.T. -0.00 min
Lab File: VY000673.D
Acq: 14 Nov 2019 11:42

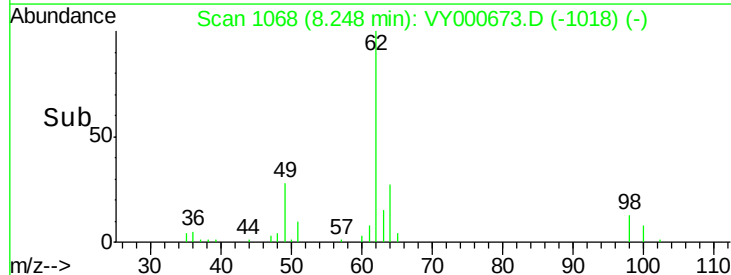
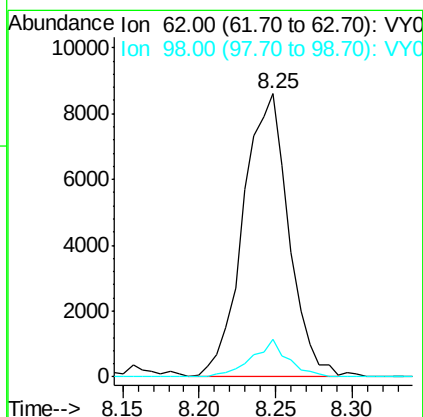
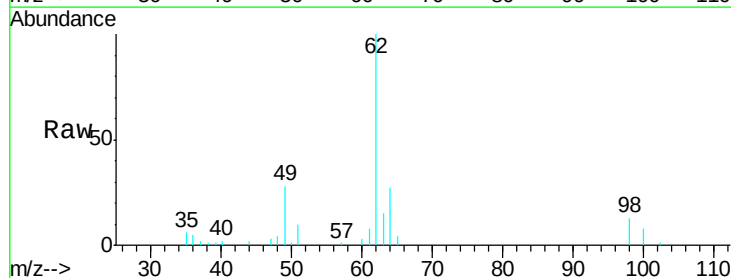
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

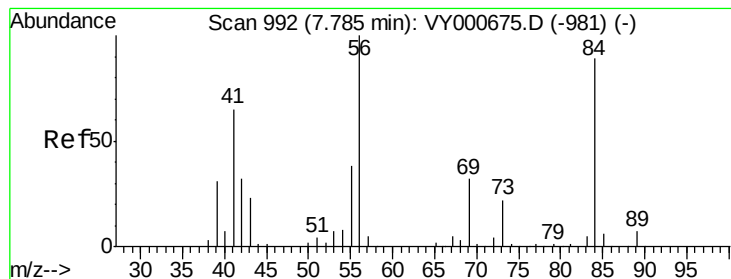
Tgt Ion: 83 Resp: 28994
Ion Ratio Lower Upper
83 100
85 62.7 43.1 80.1



#27
1,2-Dichloroethane
Concen: 4.926 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY000673.D
Acq: 14 Nov 2019 11:42

Tgt Ion: 62 Resp: 17837
Ion Ratio Lower Upper
62 100
98 13.2 7.1 10.7#





#29

Cyclohexane

Concen: 4.998 ug/L

RT: 7.78 min Scan# 992

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

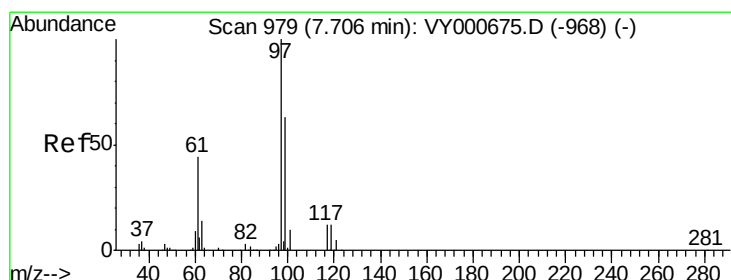
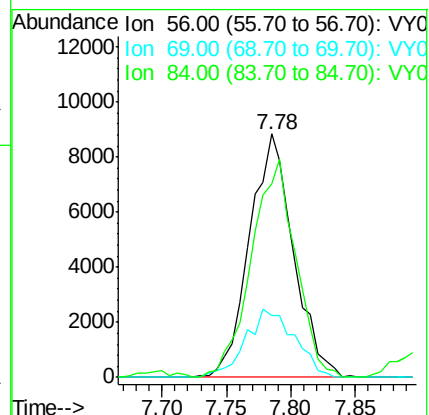
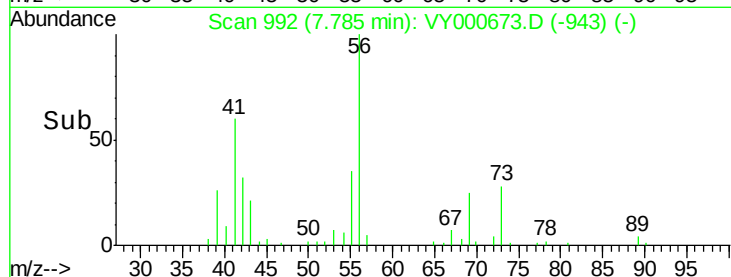
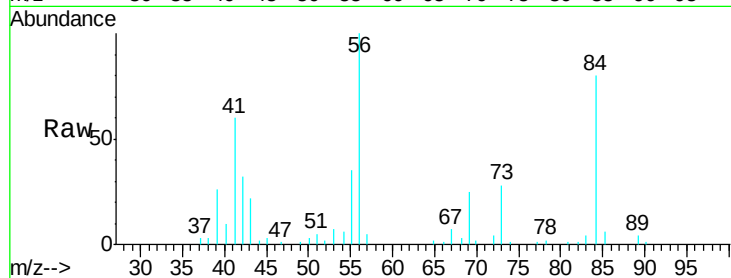
Tgt Ion: 56 Resp: 20838

Ion Ratio Lower Upper

56 100

69 31.3 24.4 36.6

84 90.9 71.4 107.2



#30

1,1,1-Trichloroethane

Concen: 4.918 ug/L

RT: 7.70 min Scan# 978

Delta R.T. -0.01 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

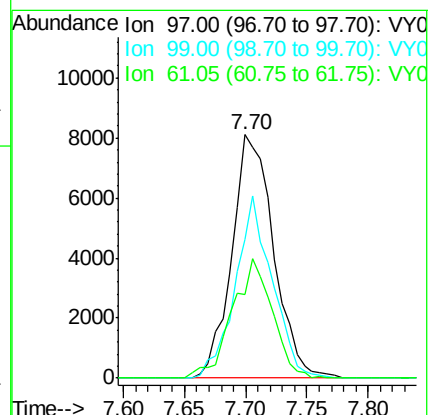
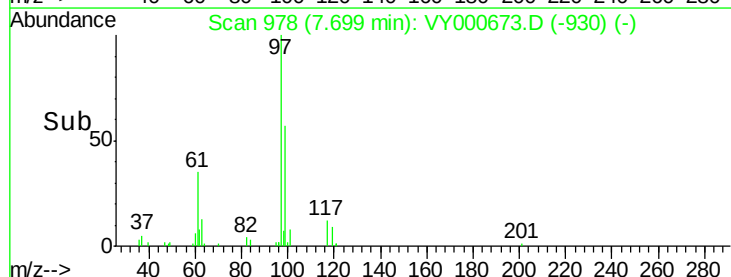
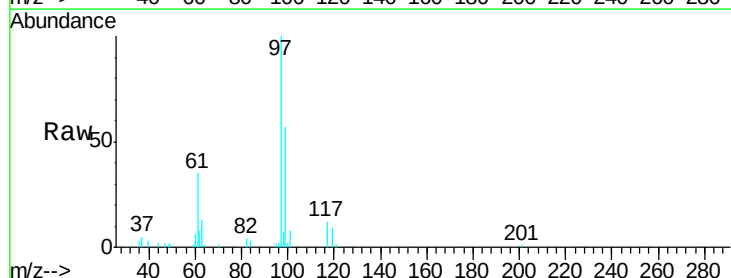
Tgt Ion: 97 Resp: 19189

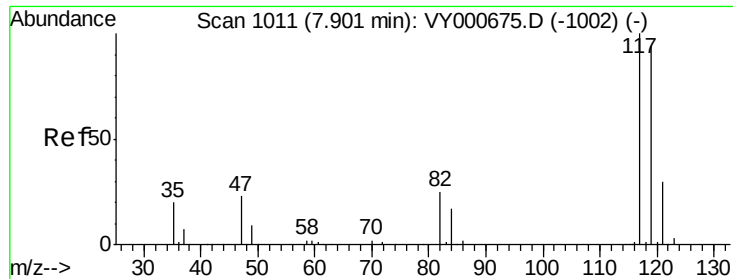
Ion Ratio Lower Upper

97 100

99 66.3 52.2 78.2

61 45.3 35.0 52.4

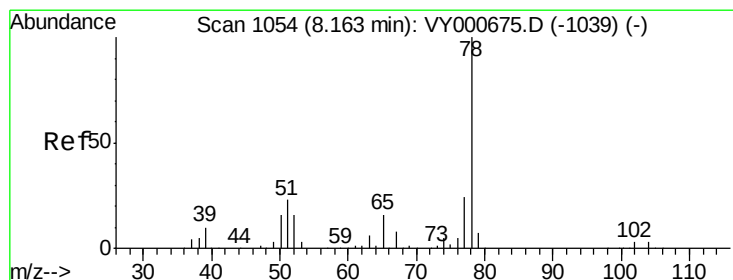
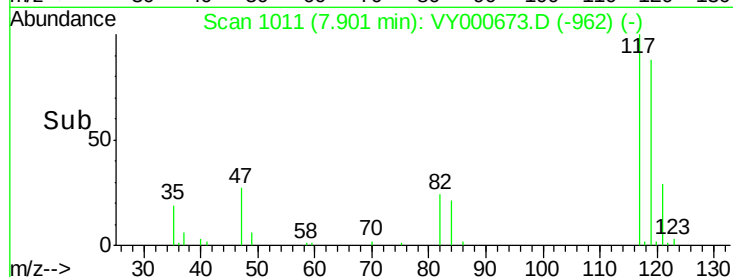
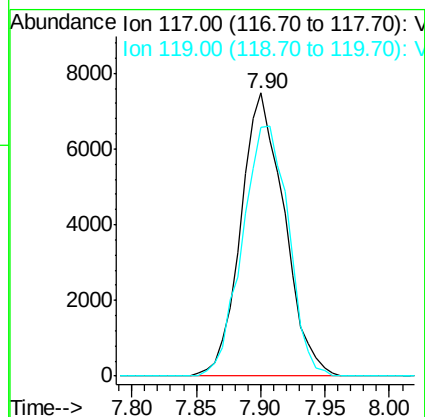
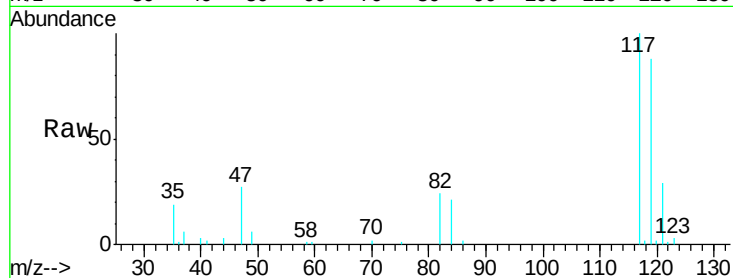




#31
Carbon tetrachloride
Concen: 5.004 ug/L
RT: 7.90 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VY000673.D
Acq: 14 Nov 2019 11:42

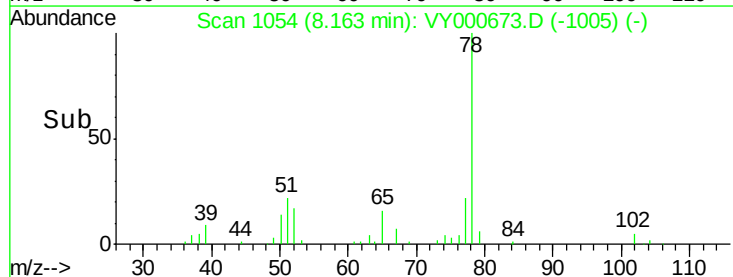
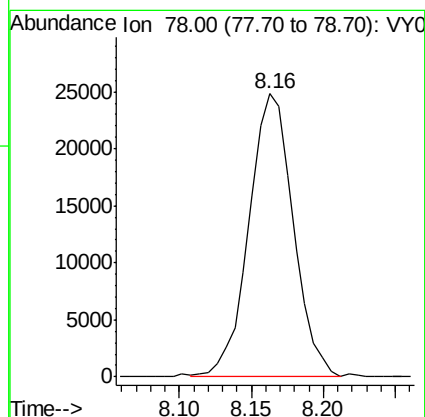
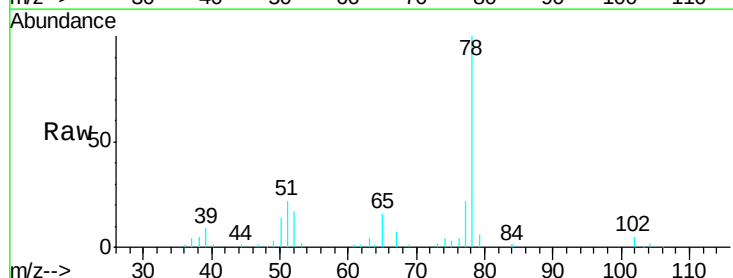
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

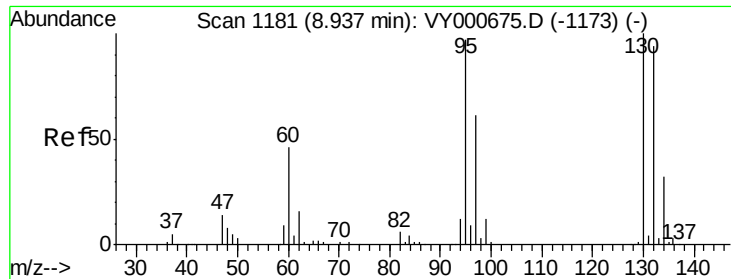
Tgt Ion:117 Resp: 17481
Ion Ratio Lower Upper
117 100
119 93.6 75.5 113.3



#33
Benzene
Concen: 4.980 ug/L
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY000673.D
Acq: 14 Nov 2019 11:42

Tgt Ion: 78 Resp: 52989

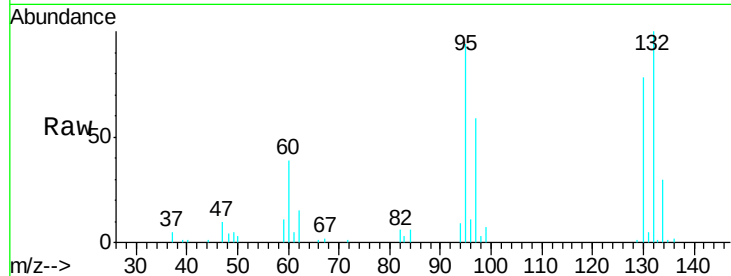




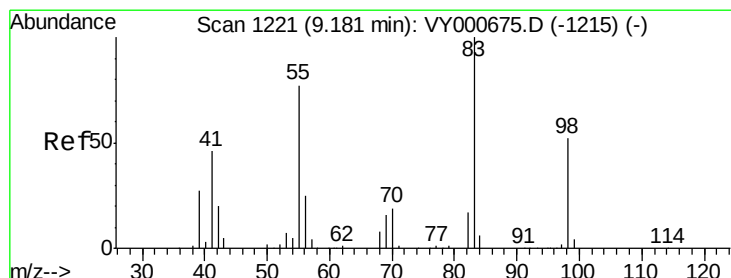
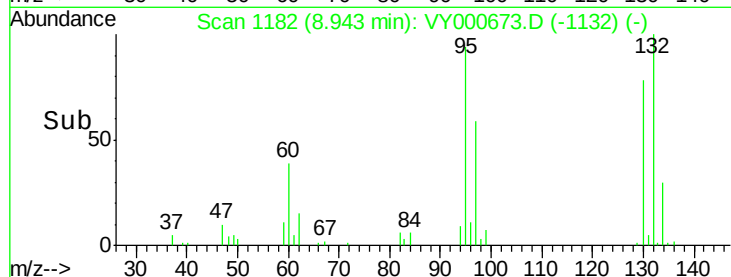
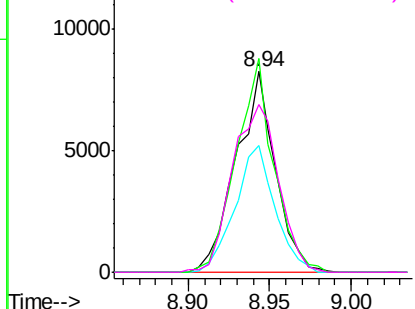
#34
 Trichloroethene
 Concen: 5.171 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

Tgt Ion:	95	Resp:	13815
Ion	Ratio	Lower	Upper
95	100		
97	63.0	43.8	81.3
132	106.6	67.8	126.0
130	83.6	71.9	133.5

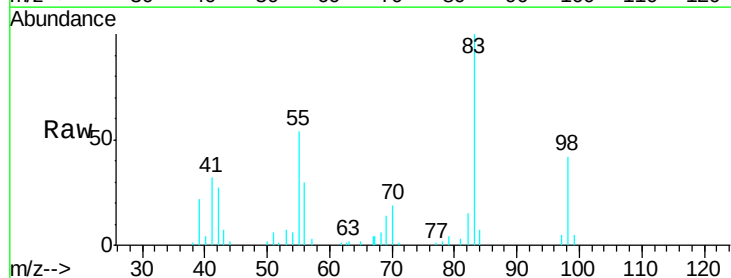


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

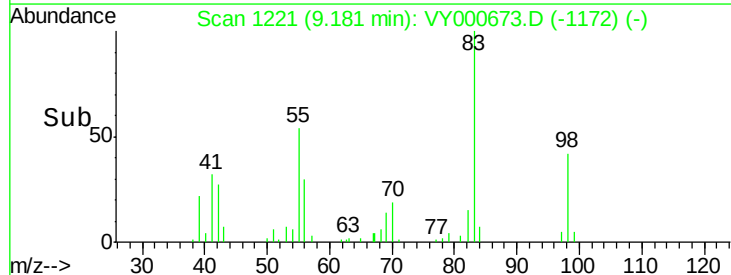
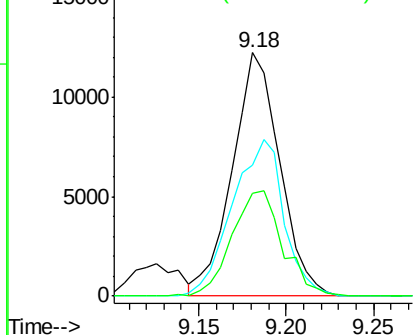


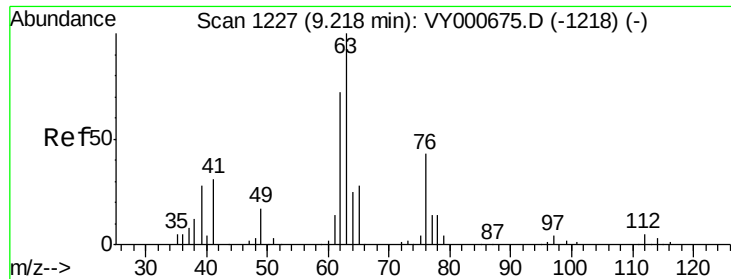
#35
 Methylcyclohexane
 Concen: 5.231 ug/L
 RT: 9.18 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

Tgt Ion:	83	Resp:	23072
Ion	Ratio	Lower	Upper
83	100		
55	70.0	60.4	90.6
98	46.1	40.3	60.5



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 55.00 (54.70 to 55.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0

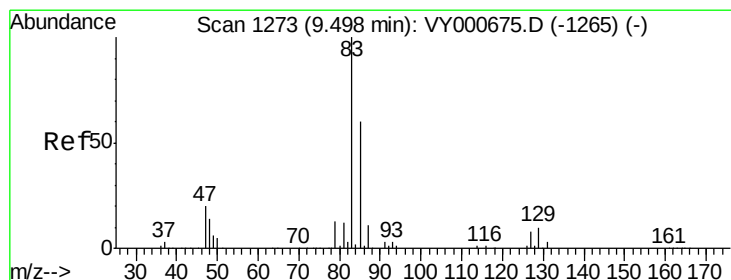
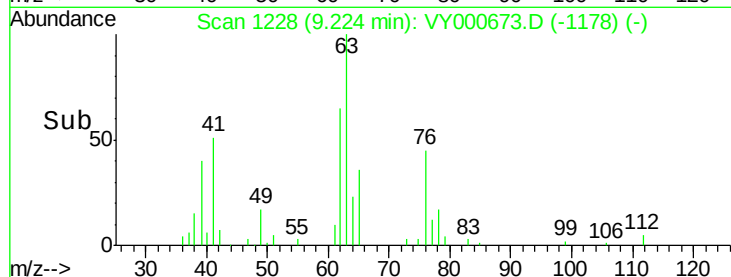
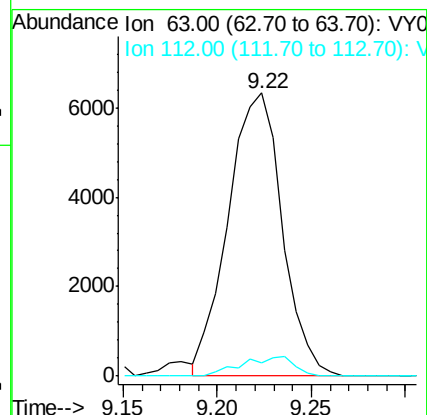
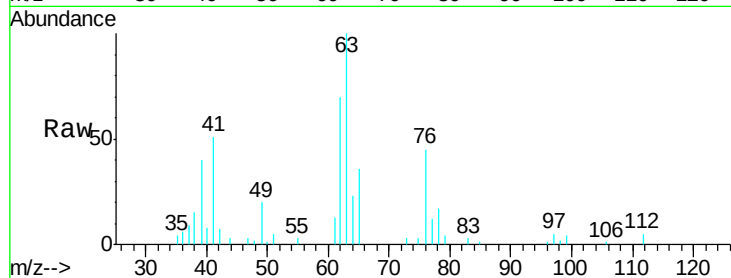




#37
 1,2-Dichloropropane
 Concen: 4.771 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

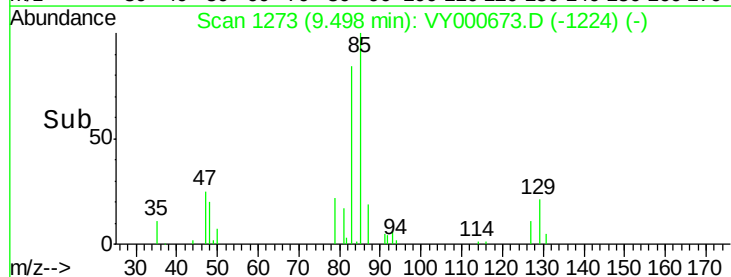
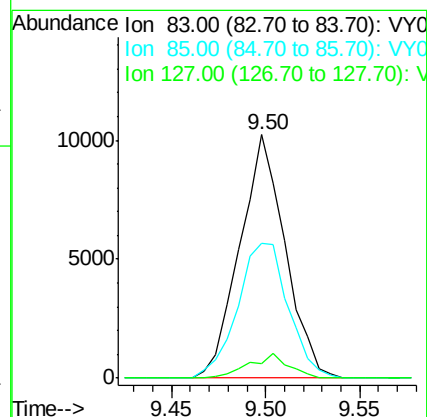
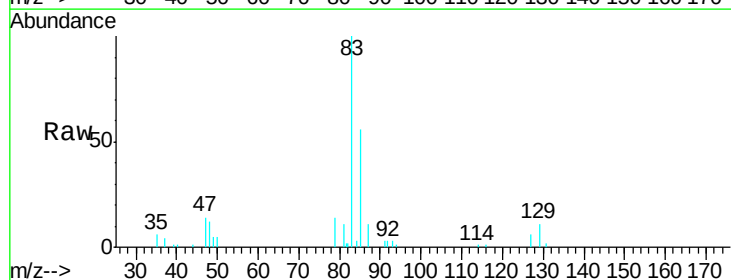
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

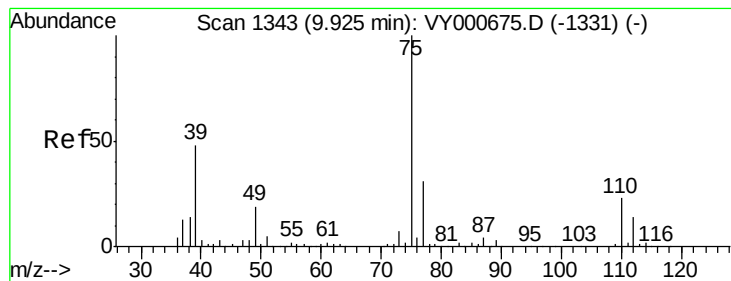
Tgt Ion: 63 Resp: 12593
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 4.812 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

Tgt Ion: 83 Resp: 17064
 Ion Ratio Lower Upper
 83 100
 85 55.5 42.2 78.4
 127 5.9 6.4 9.6#



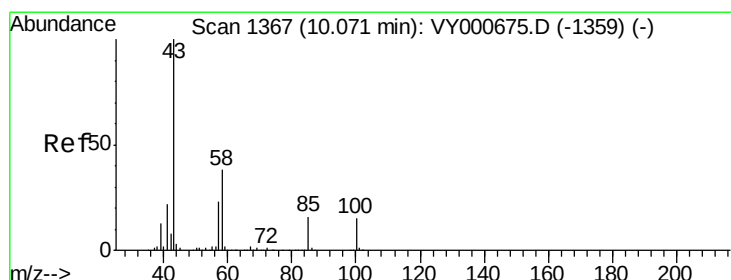
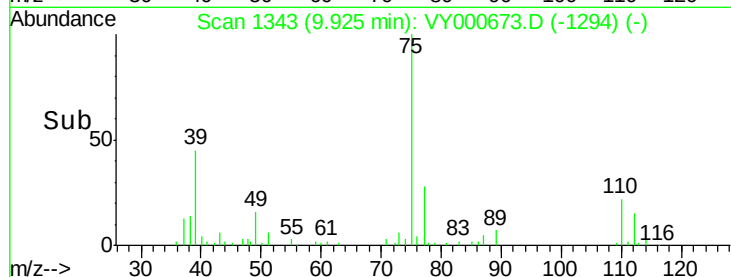
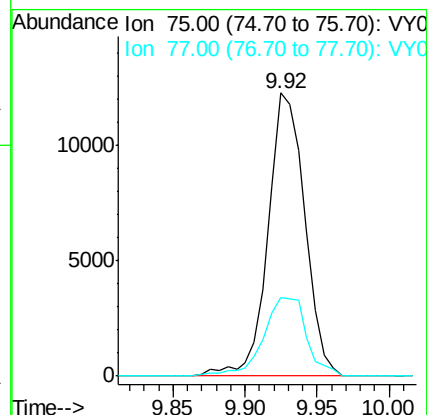
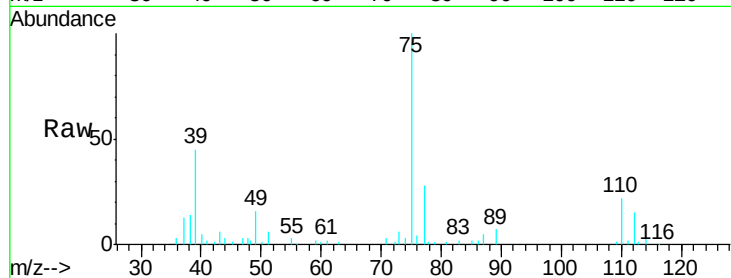


#39

cis-1,3-Dichloropropene
 Concen: 4.869 ug/L
 RT: 9.92 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

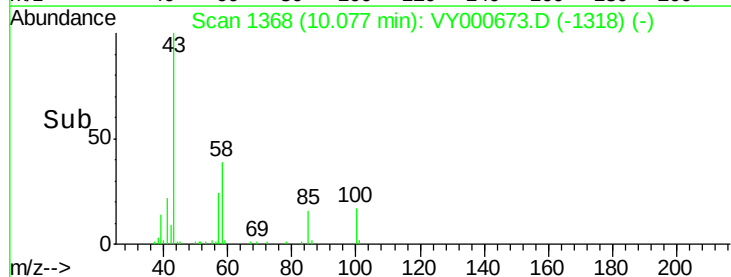
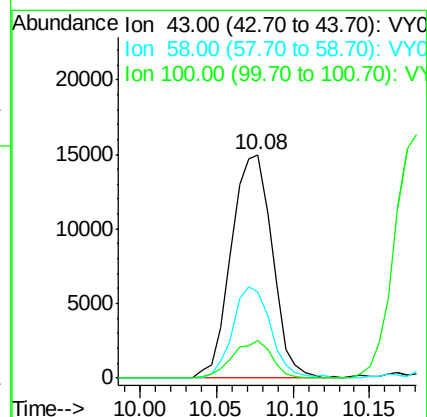
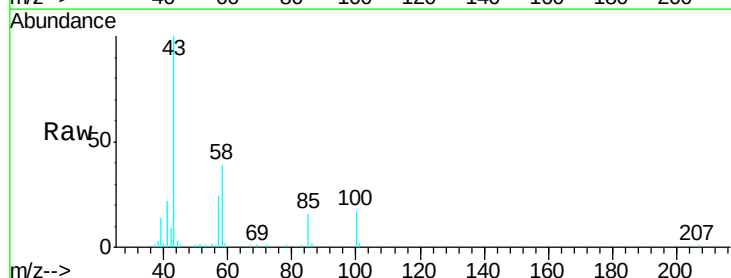
Tgt Ion: 75 Resp: 21835
 Ion Ratio Lower Upper
 75 100
 77 27.9 21.7 40.3

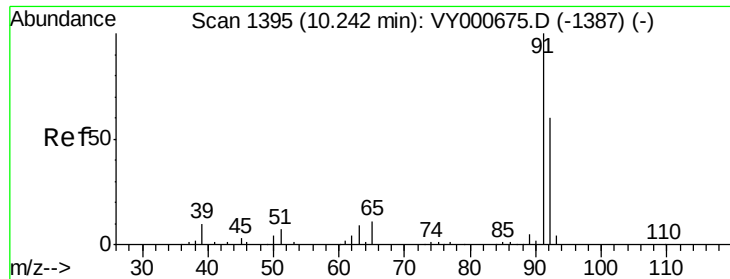


#40

4-Methyl-2-pentanone
 Concen: 4.607 ug/L
 RT: 10.08 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

Tgt Ion: 43 Resp: 27900
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.2
 100 16.1 12.2 18.2





#42

Toluene

Concen: 4.887 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

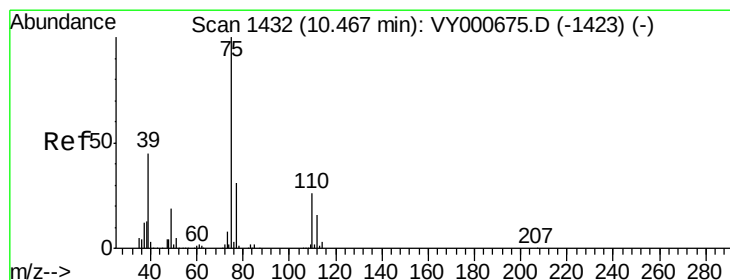
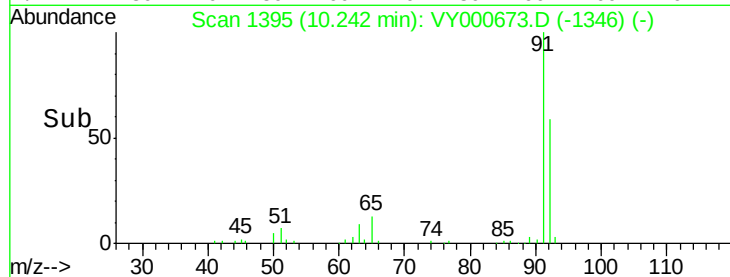
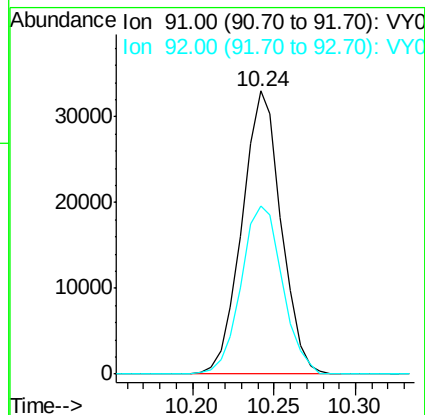
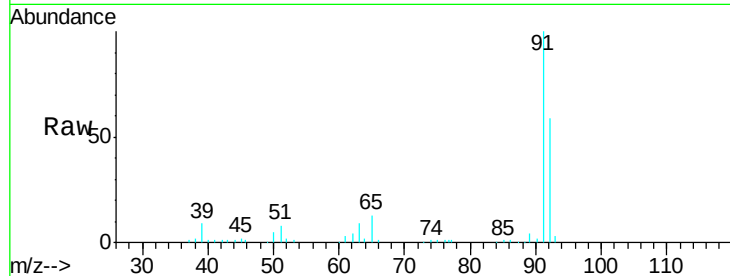
VSTD00580

Tgt Ion: 91 Resp: 55045

Ion Ratio Lower Upper

91 100

92 59.3 42.2 78.4



#44

trans-1,3-Dichloropropene

Concen: 4.464 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000673.D

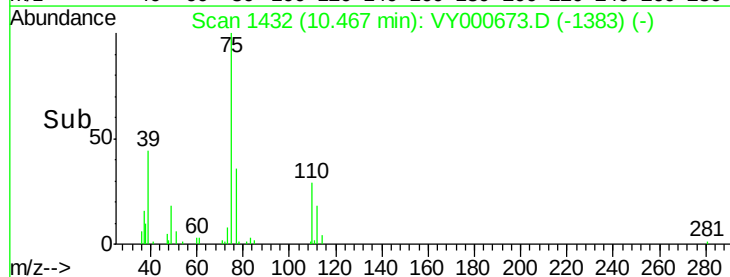
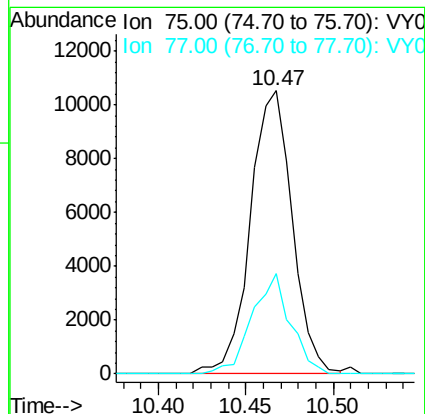
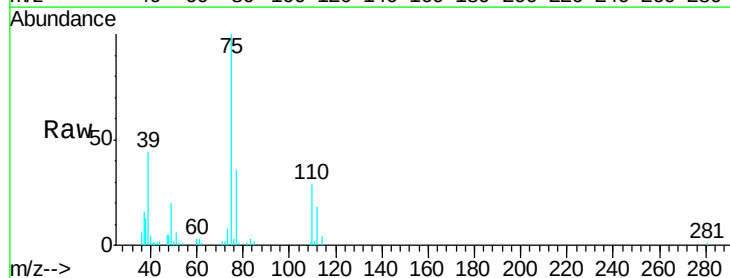
Acq: 14 Nov 2019 11:42

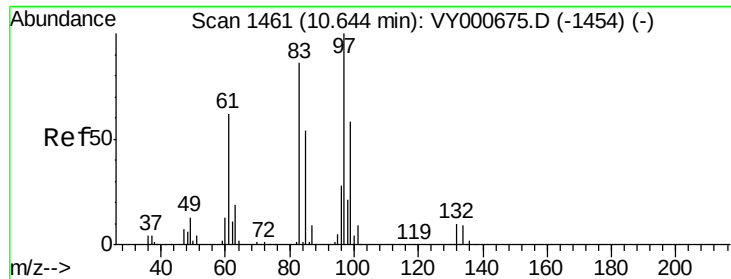
Tgt Ion: 75 Resp: 17531

Ion Ratio Lower Upper

75 100

77 35.5 22.0 41.0

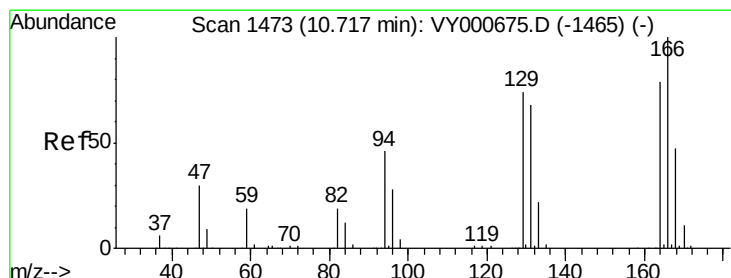
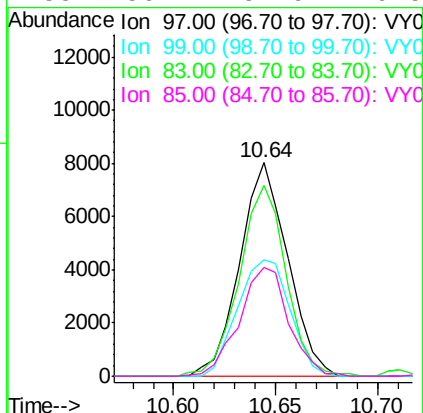
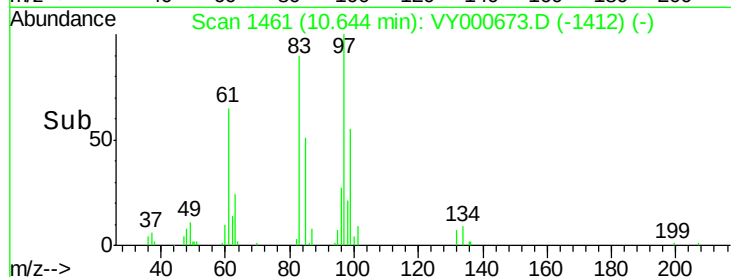
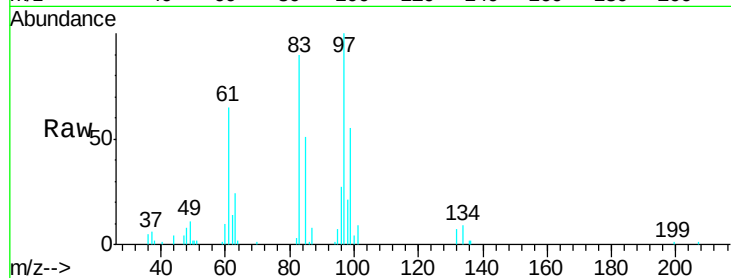




#45
 1,1,2-Trichloroethane
 Concen: 5.230 ug/L
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

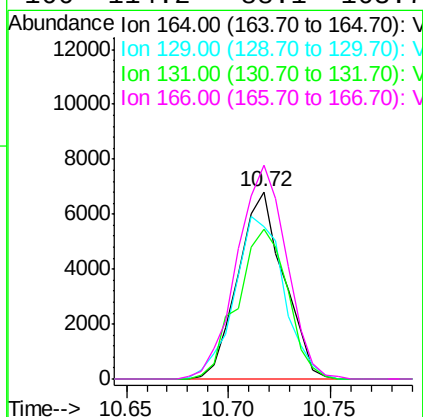
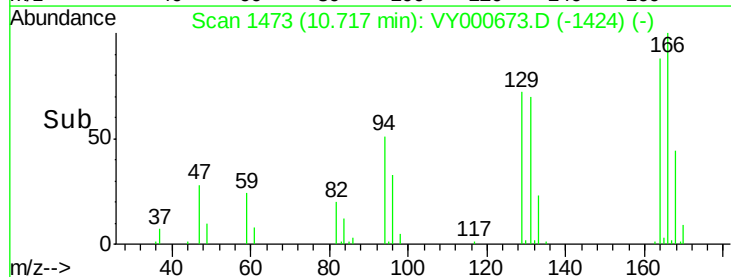
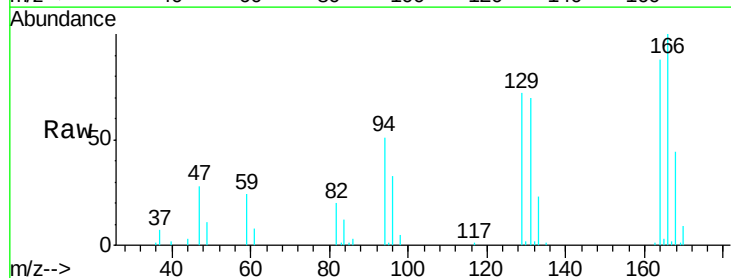
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

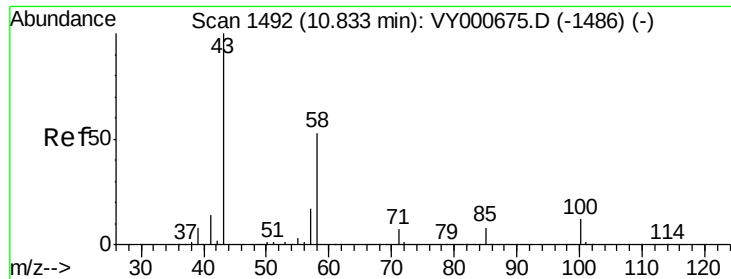
Tgt Ion:	97	Resp:	13097
Ion	Ratio	Lower	Upper
97	100		
99	54.8	40.6	75.4
83	89.6	60.0	111.4
85	50.7	37.9	70.5



#46
 Tetrachloroethene
 Concen: 5.144 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

Tgt Ion:	164	Resp:	10633
Ion	Ratio	Lower	Upper
164	100		
129	81.8	65.5	121.7
131	80.3	60.1	111.7
166	114.2	88.1	163.7

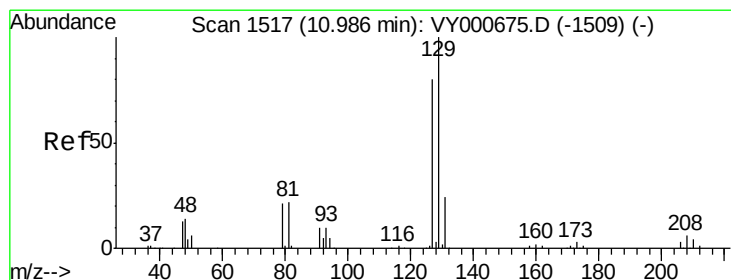
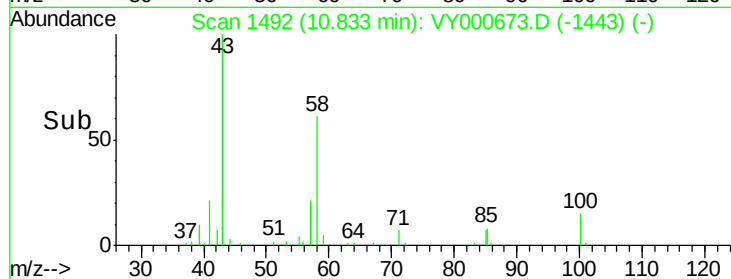
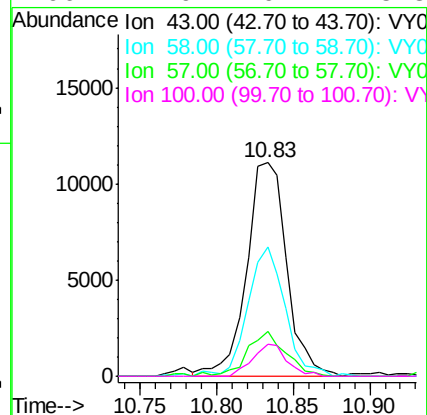
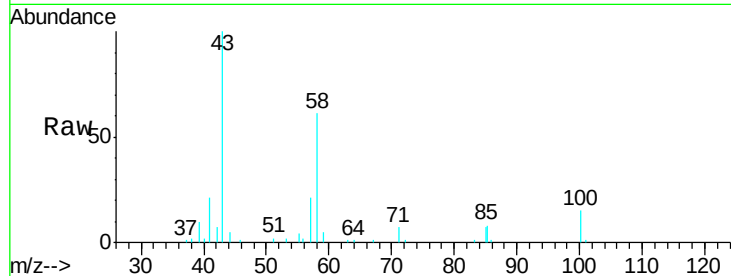




#48
2-Hexanone
Concen: 4.633 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000673.D
Acq: 14 Nov 2019 11:42

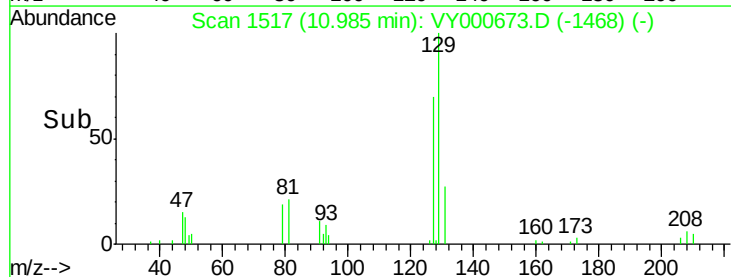
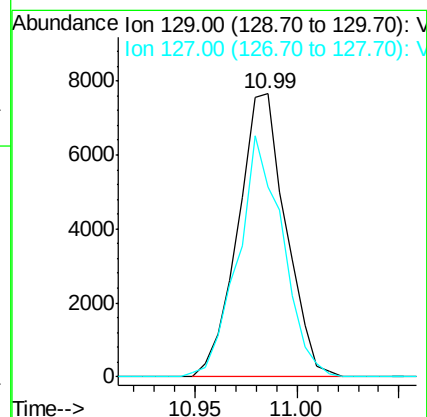
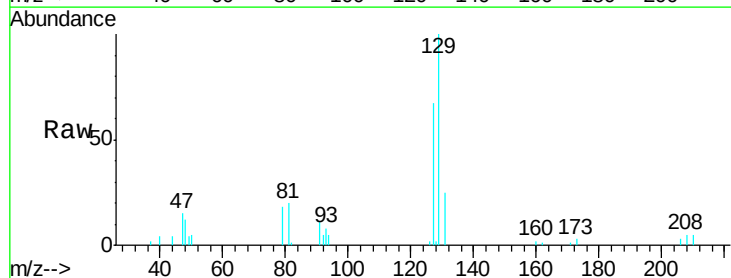
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

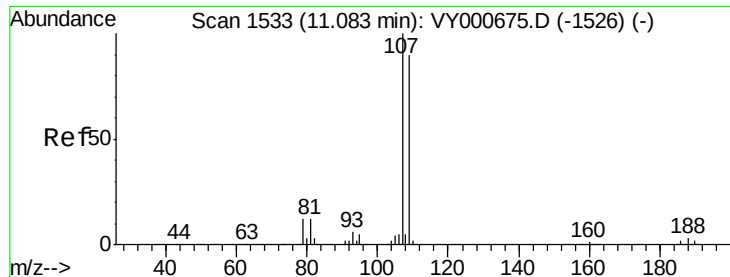
Tgt Ion:	43	Resp:	20256
Ion	Ratio	Lower	Upper
43	100		
58	54.9	42.3	63.5
57	19.8	13.8	20.6
100	12.9	9.2	13.8



#49
Dibromochloromethane
Concen: 4.610 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000673.D
Acq: 14 Nov 2019 11:42

Tgt Ion:	129	Resp:	12505
Ion	Ratio	Lower	Upper
129	100		
127	66.9	55.9	103.7

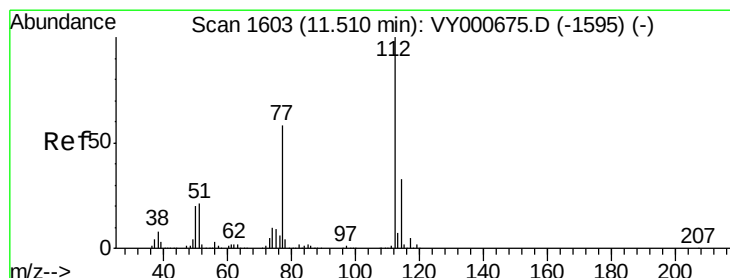
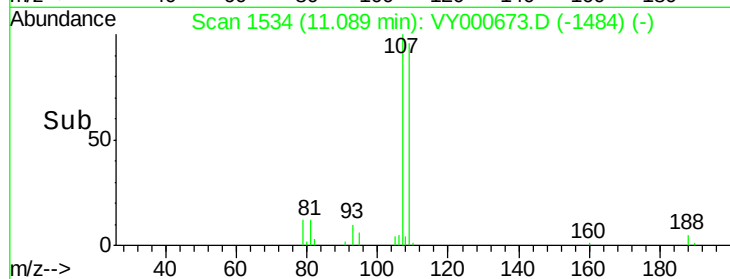
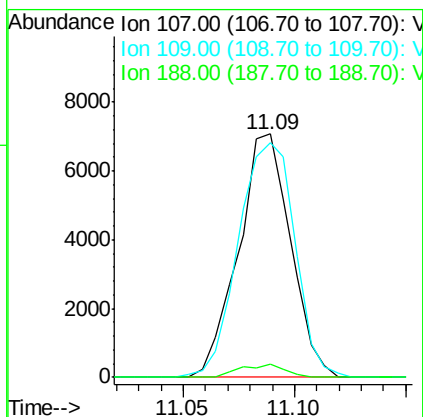
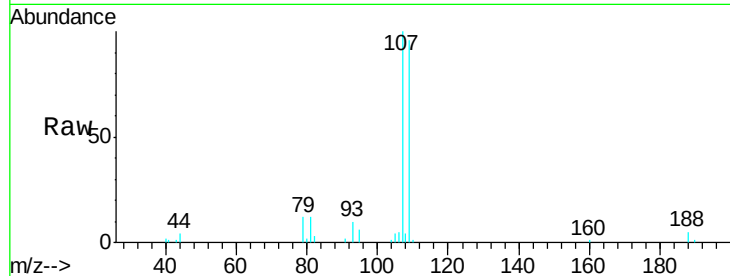




#50
1,2-Dibromoethane
Concen: 4.620 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.01 min
Lab File: VY000673.D
Acq: 14 Nov 2019 11:42

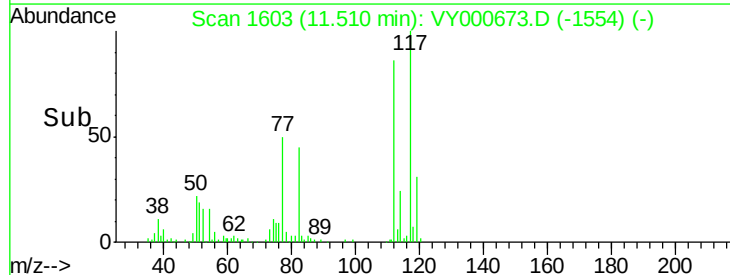
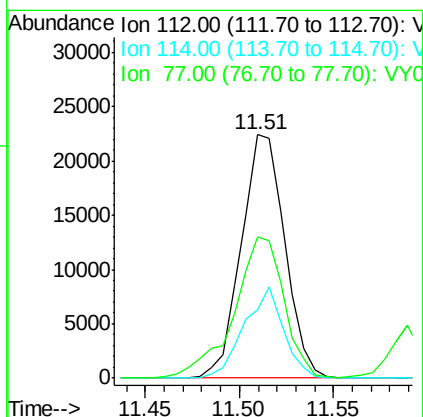
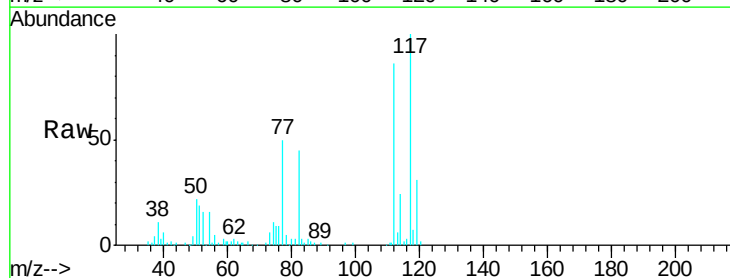
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

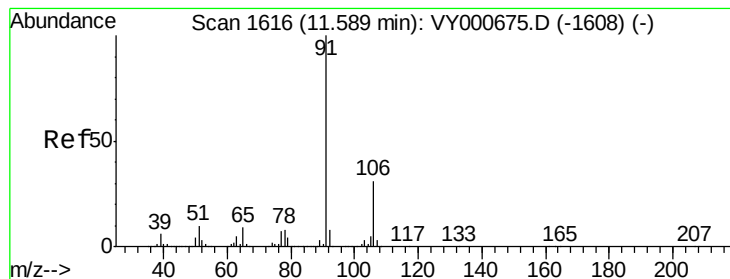
Tgt Ion:107 Resp: 11580
Ion Ratio Lower Upper
107 100
109 96.1 62.9 116.9
188 5.5 2.4 3.6#



#51
Chlorobenzene
Concen: 4.962 ug/L
RT: 11.51 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VY000673.D
Acq: 14 Nov 2019 11:42

Tgt Ion:112 Resp: 36007
Ion Ratio Lower Upper
112 100
114 27.8 23.3 43.3
77 58.0 46.5 69.7





#52

Ethylbenzene

Concen: 4.829 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

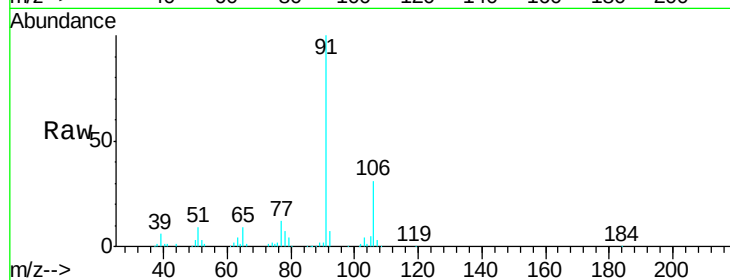
VSTD00580

Tgt Ion: 91 Resp: 62074

Ion Ratio Lower Upper

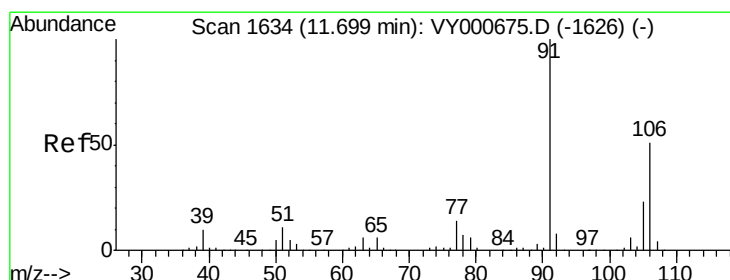
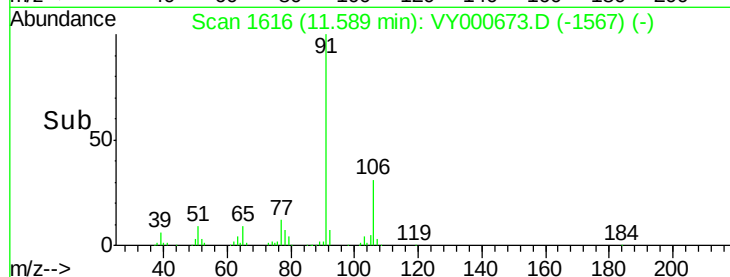
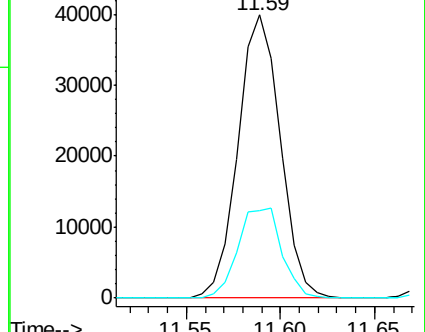
91 100

106 30.7 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VY000673.D (-1608) (-)

Ion 106.00 (105.70 to 106.70): VY000673.D (-1608) (-)



#53

m,p-Xylene

Concen: 4.954 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000673.D

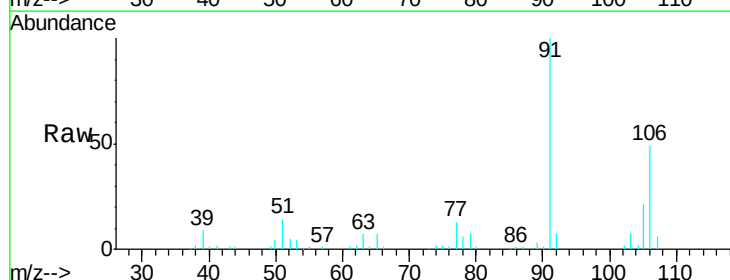
Acq: 14 Nov 2019 11:42

Tgt Ion: 106 Resp: 24492

Ion Ratio Lower Upper

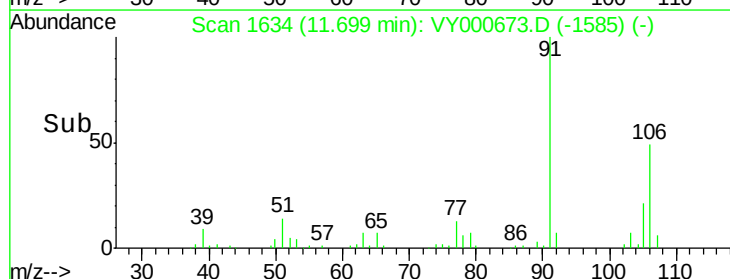
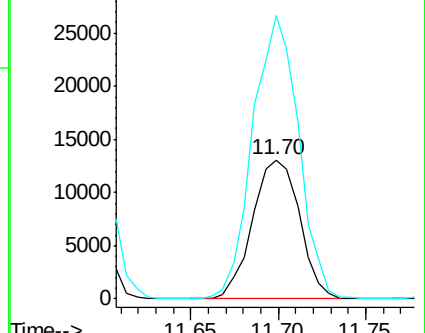
106 100

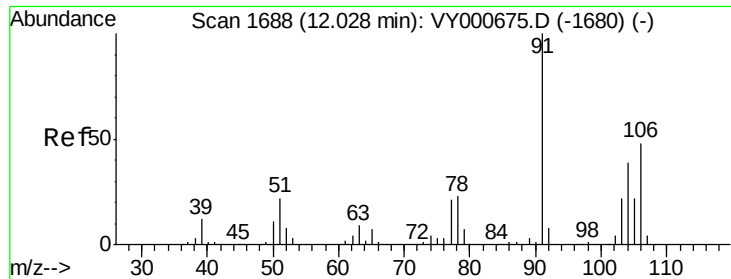
91 203.7 137.6 255.6



Abundance Ion 106.00 (105.70 to 106.70): VY000673.D (-1626) (-)

Ion 91.00 (90.70 to 91.70): VY000673.D (-1626) (-)

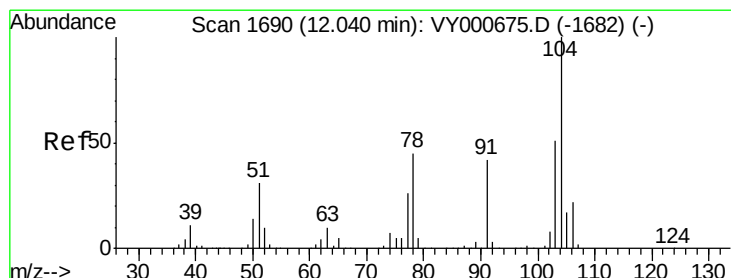
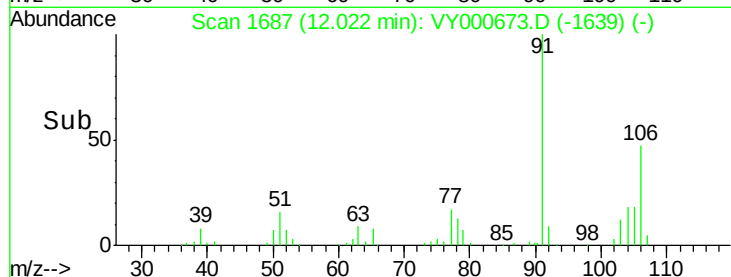
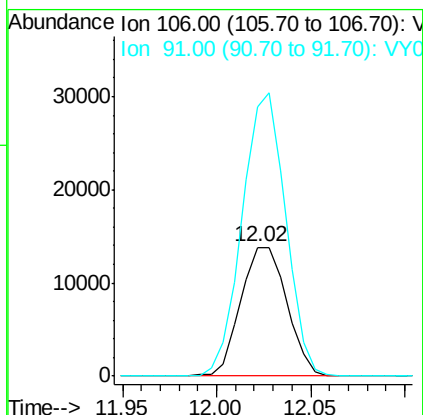
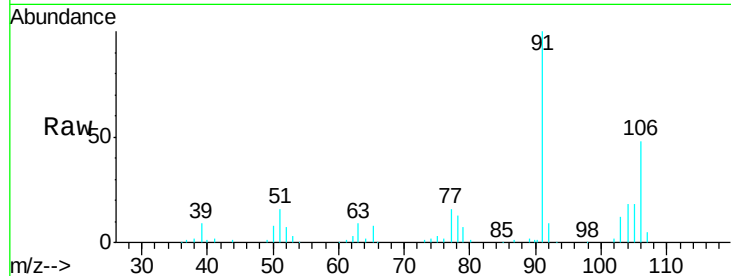




#54
o-xylene
Concen: 4.869 ug/L
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000673.D
Acq: 14 Nov 2019 11:42

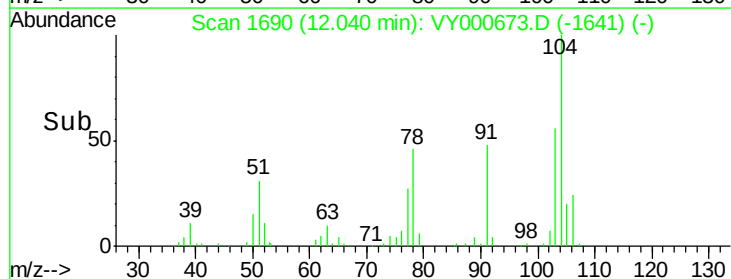
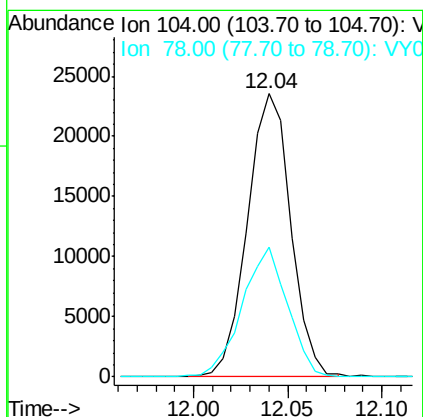
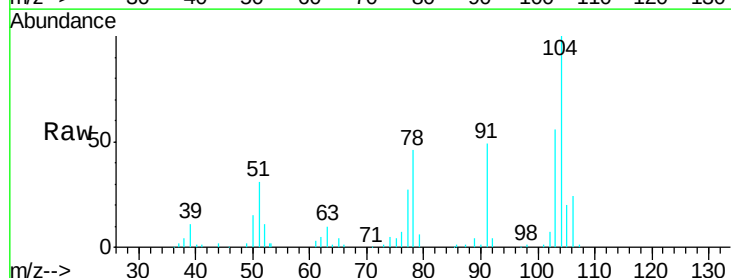
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00580

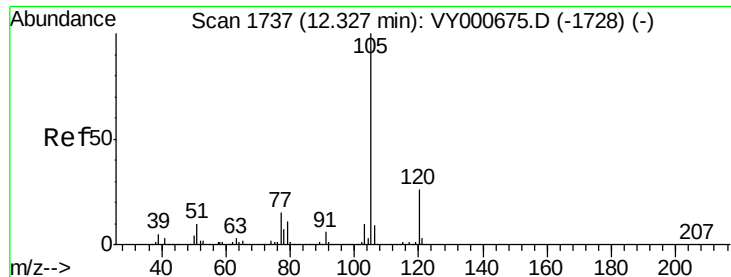
Tgt Ion:106 Resp: 23597
Ion Ratio Lower Upper
106 100
91 208.6 145.9 270.9



#55
Styrene
Concen: 4.550 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000673.D
Acq: 14 Nov 2019 11:42

Tgt Ion:104 Resp: 37472
Ion Ratio Lower Upper
104 100
78 45.7 31.4 58.4





#56

Isopropylbenzene

Concen: 4.644 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

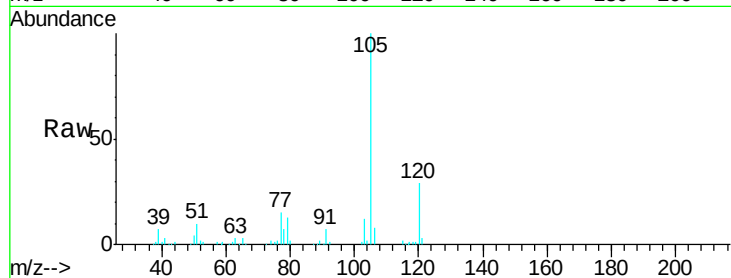
Tgt Ion: 105 Resp: 57606

Ion Ratio Lower Upper

105 100

120 29.3 21.4 32.2

77 17.1 12.9 19.3

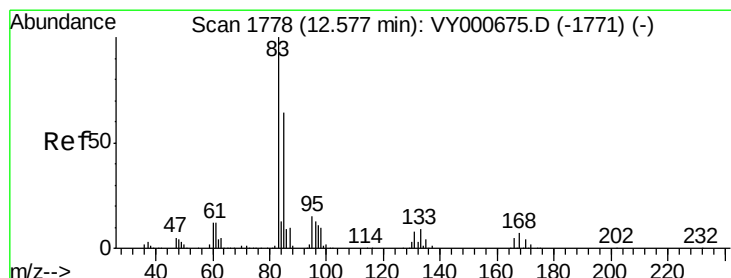
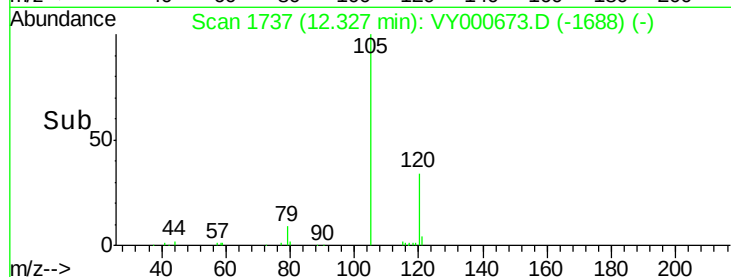


Abundance Ion 105.00 (104.70 to 105.70): VY000675.D (-1728) (-)

Ion 120.00 (119.70 to 120.70): VY000675.D (-1728) (-)

Ion 77.00 (76.70 to 77.70): VY000675.D (-1728) (-)

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 4.659 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

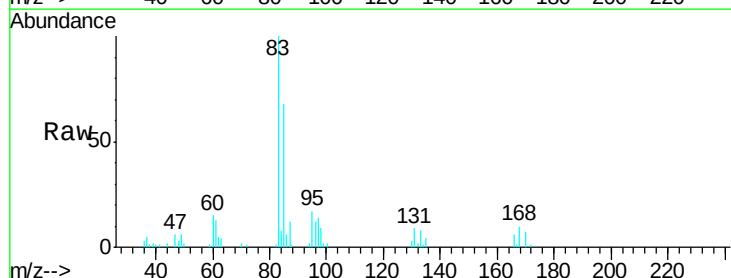
Tgt Ion: 83 Resp: 16504

Ion Ratio Lower Upper

83 100

85 68.0 45.0 83.6

131 8.5 6.6 9.8

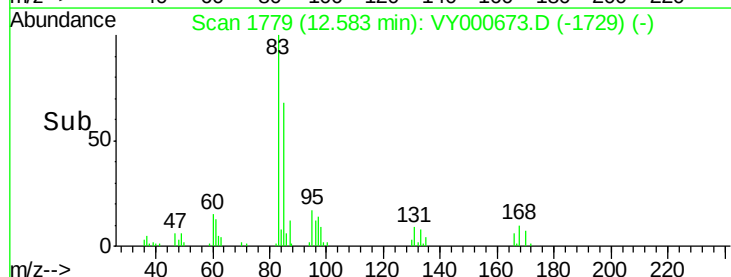


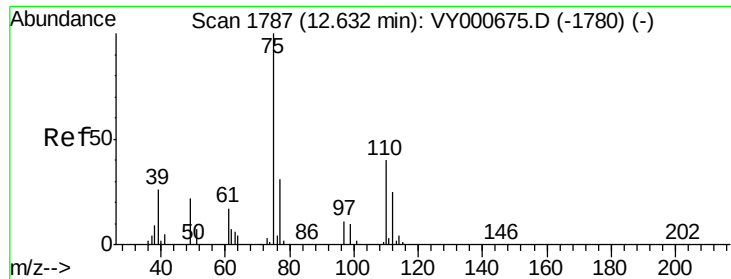
Abundance Ion 83.00 (82.70 to 83.70): VY000675.D (-1771) (-)

Ion 85.00 (84.70 to 85.70): VY000675.D (-1771) (-)

Ion 131.00 (130.70 to 131.70): VY000675.D (-1771) (-)

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.802 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

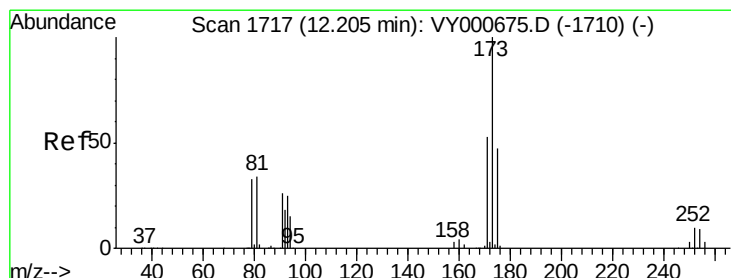
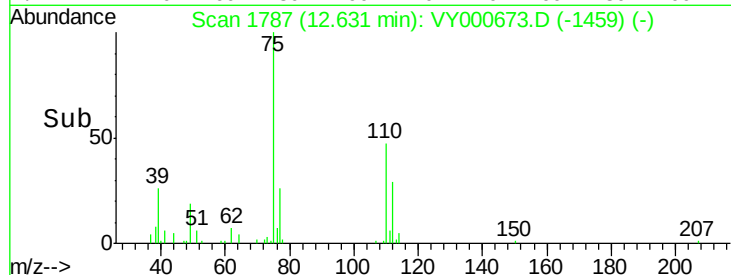
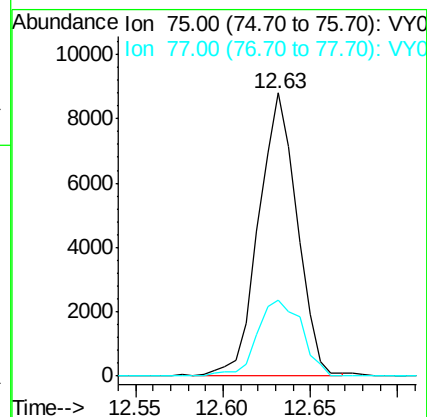
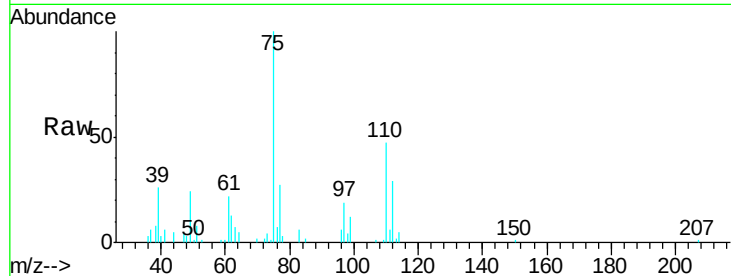
VSTD00580

Tgt Ion: 75 Resp: 13458

Ion Ratio Lower Upper

75 100

77 30.0 25.5 38.3



#61

Bromoform

Concen: 4.626 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

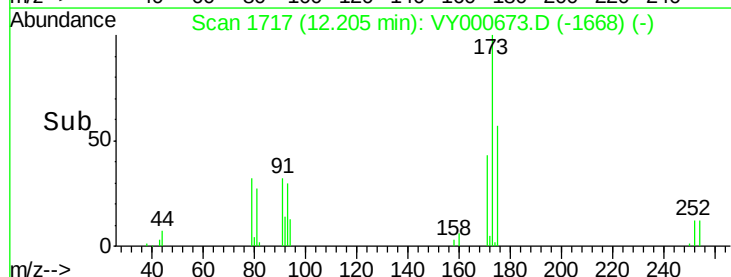
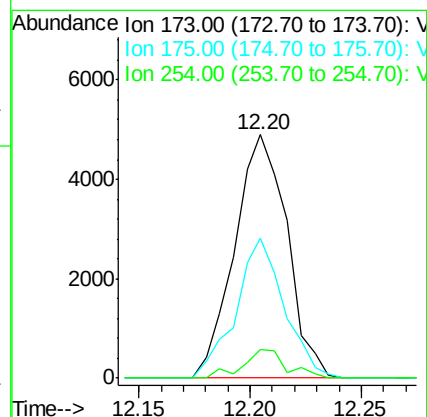
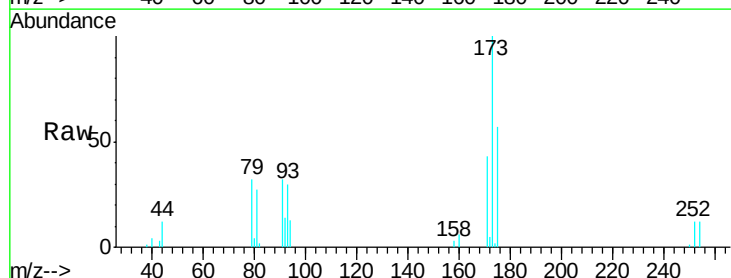
Tgt Ion: 173 Resp: 8026

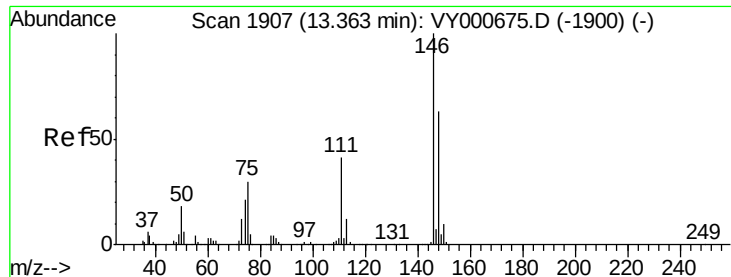
Ion Ratio Lower Upper

173 100

175 53.0 36.6 55.0

254 8.5 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 4.812 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

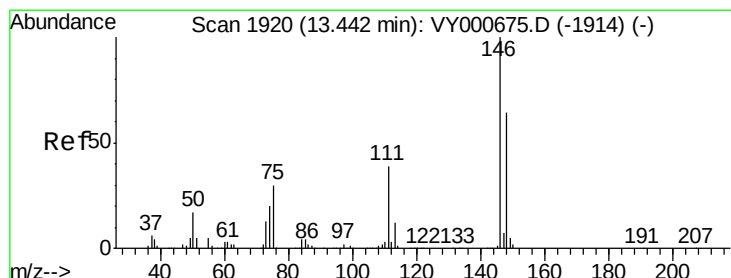
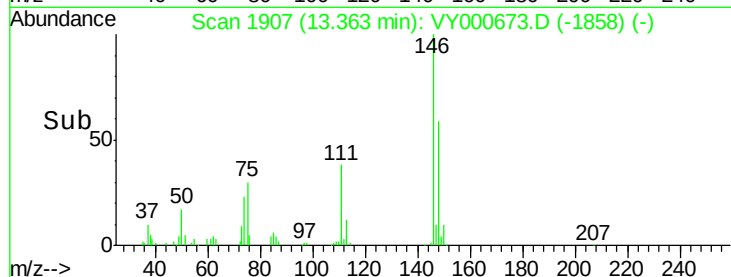
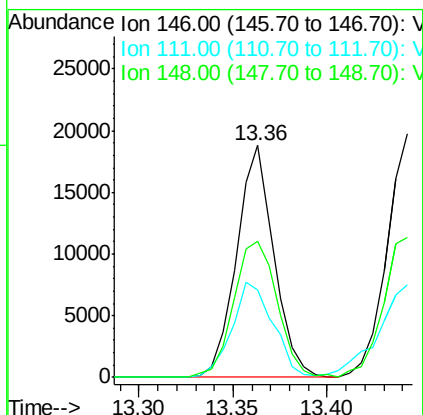
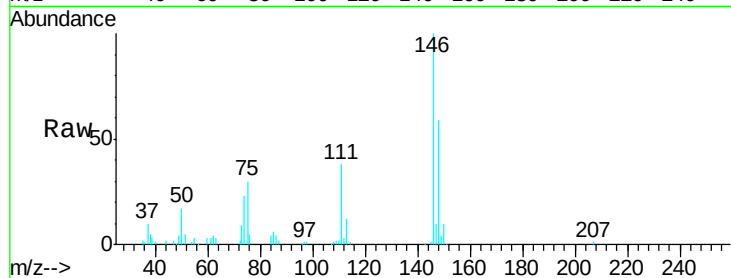
Tgt Ion:146 Resp: 25861

Ion Ratio Lower Upper

146 100

111 37.7 28.4 52.8

148 59.0 44.1 81.9



#63

1,4-Dichlorobenzene

Concen: 5.154 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

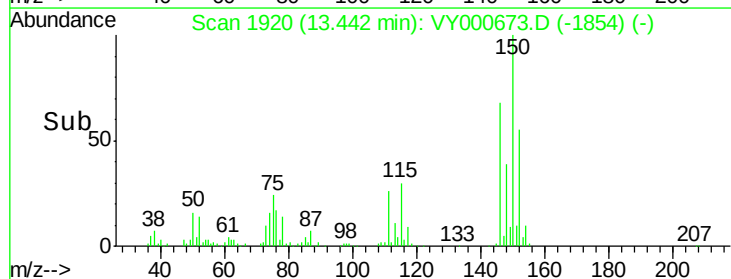
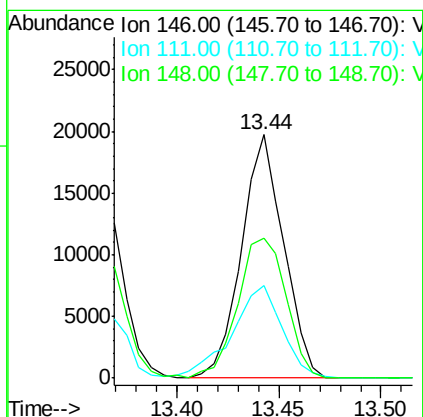
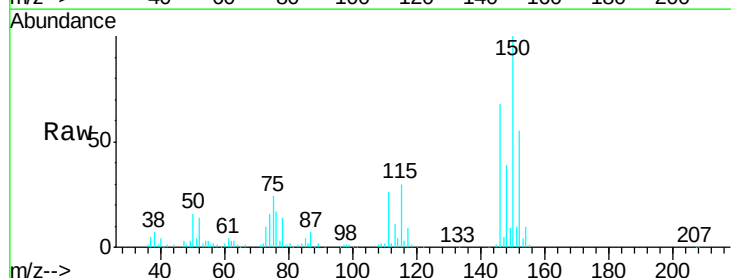
Tgt Ion:146 Resp: 28379

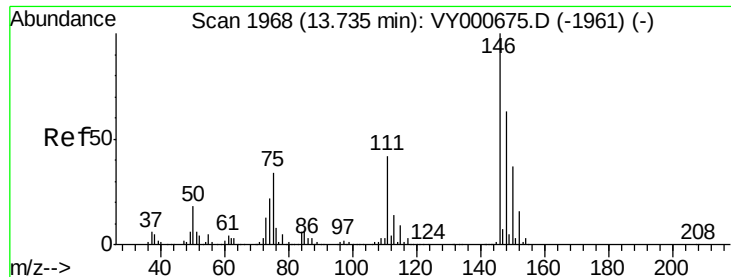
Ion Ratio Lower Upper

146 100

111 38.0 27.4 51.0

148 57.3 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 5.323 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

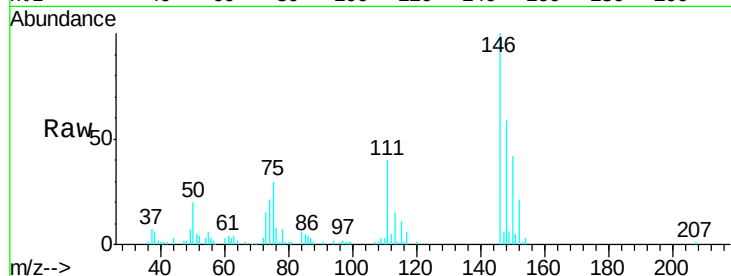
Tgt Ion:146 Resp: 28179

Ion Ratio Lower Upper

146 100

111 39.8 33.4 50.0

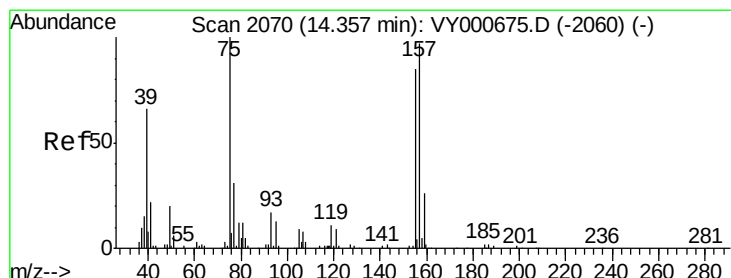
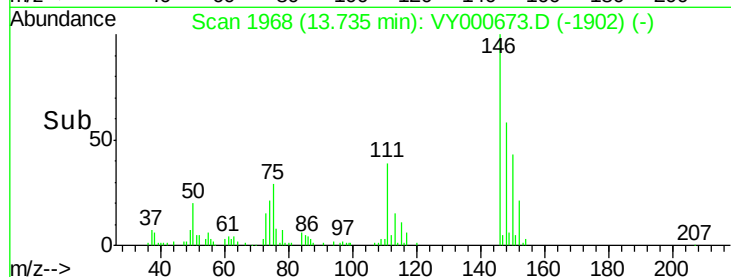
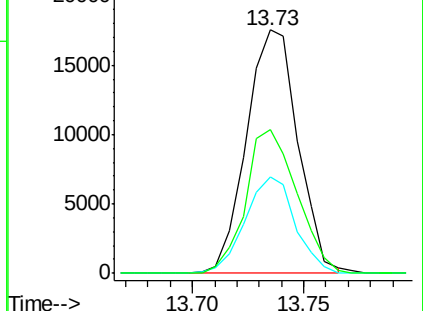
148 59.0 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.777 ug/L

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

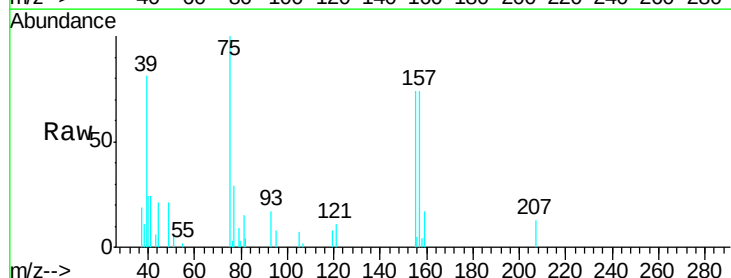
Tgt Ion: 75 Resp: 3055

Ion Ratio Lower Upper

75 100

155 74.1 67.7 101.5

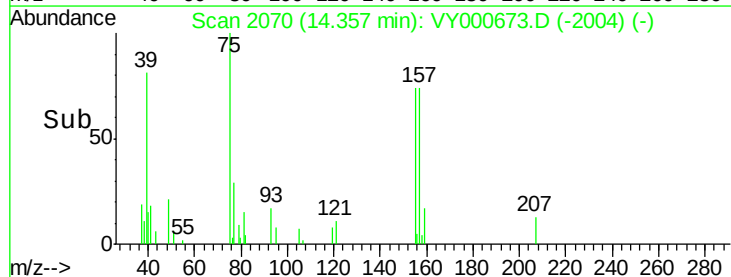
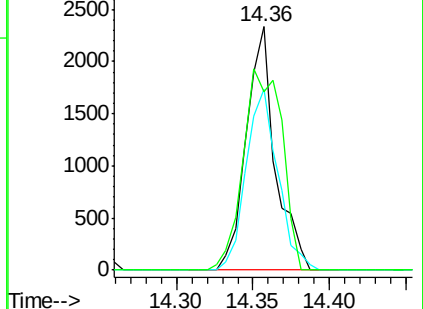
157 73.5 77.8 116.8#

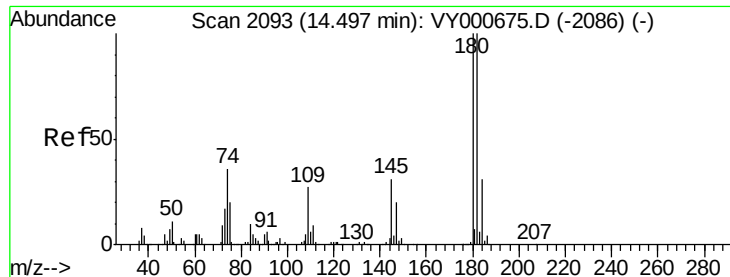


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

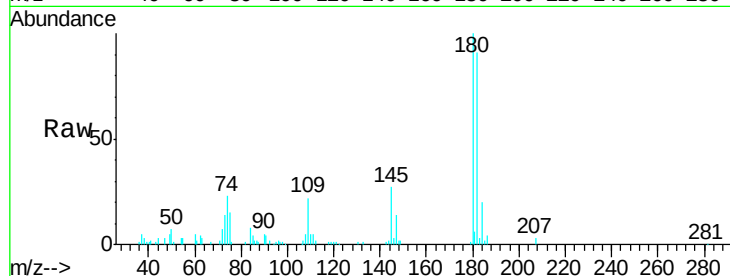




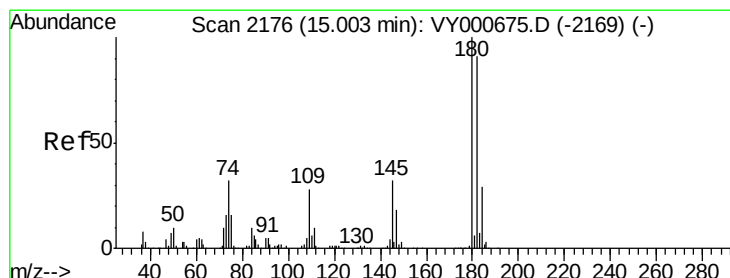
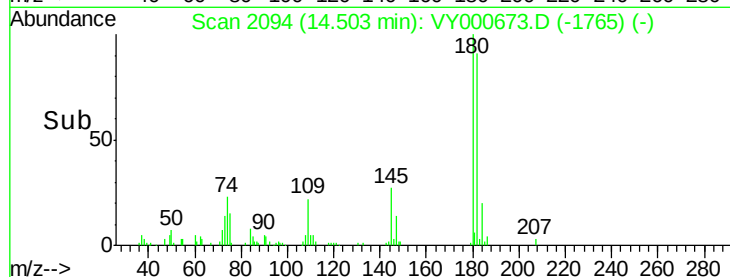
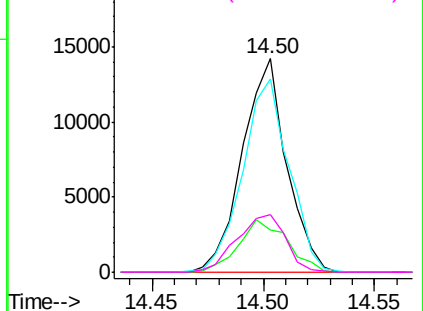
#67
 1,3,5-Trichlorobenzene
 Concen: 5.260 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

Tgt Ion:180 Resp: 19730
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.8 116.6
 184 27.0 25.2 37.8
 145 30.0 24.9 37.3

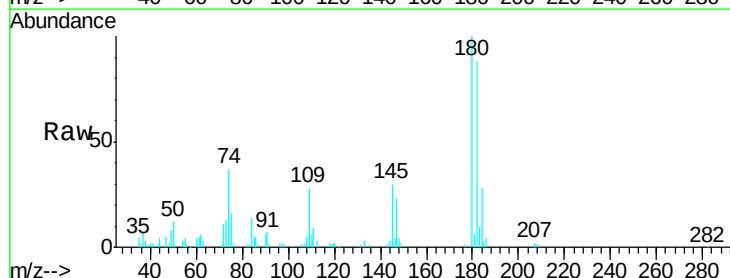


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

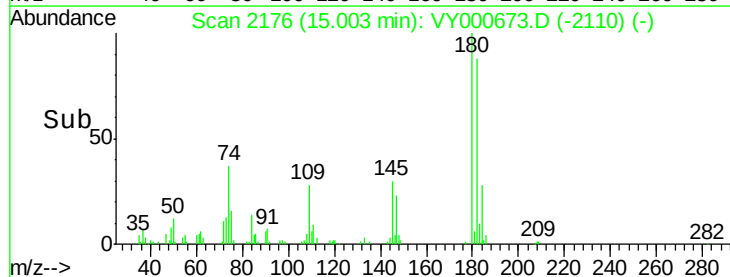
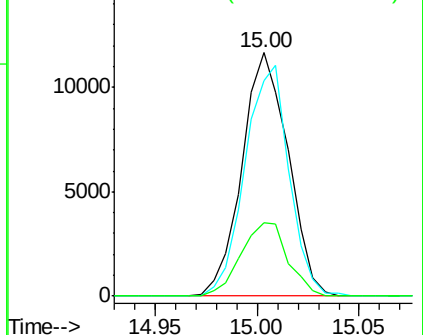


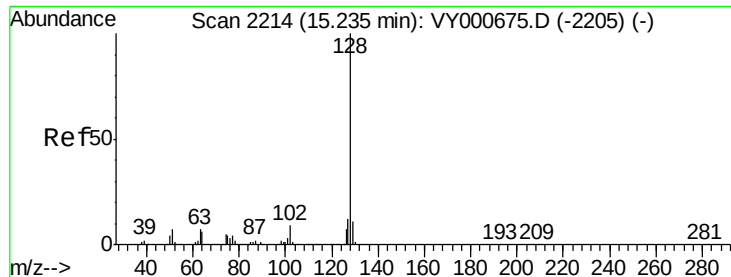
#68
 1,2,4-trichlorobenzene
 Concen: 5.229 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000673.D
 Acq: 14 Nov 2019 11:42

Tgt Ion:180 Resp: 18401
 Ion Ratio Lower Upper
 180 100
 182 90.4 75.5 113.3
 145 30.5 25.4 38.0



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: 4.962 ug/L

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00580

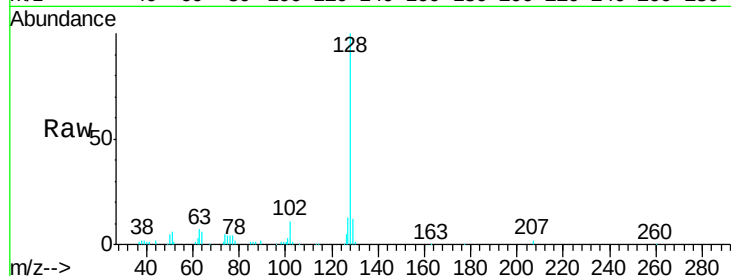
Tgt Ion:128 Resp: 52170

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

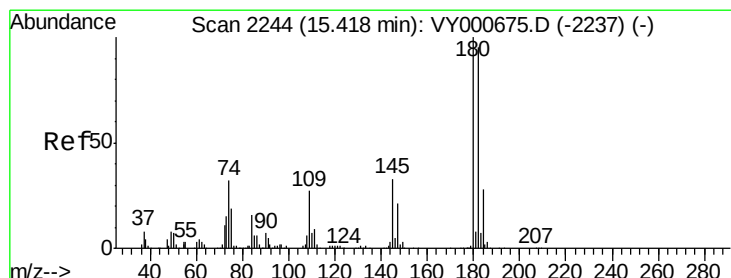
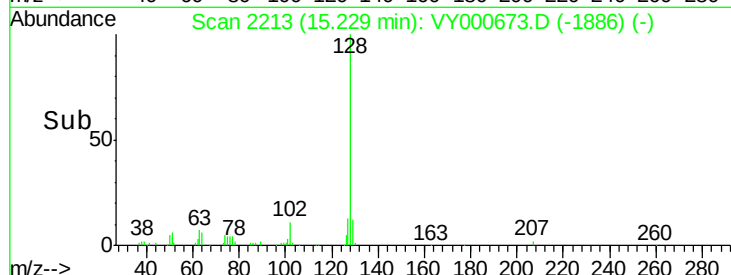
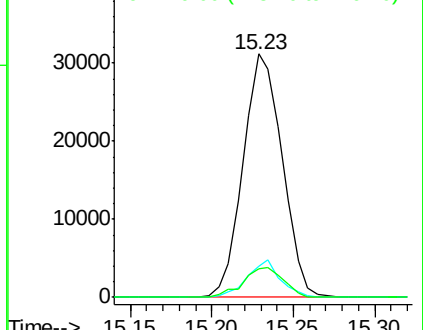
129 12.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.992 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY000673.D

Acq: 14 Nov 2019 11:42

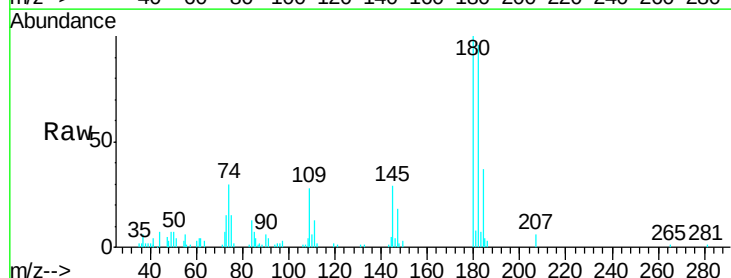
Tgt Ion:180 Resp: 16907

Ion Ratio Lower Upper

180 100

182 98.3 75.3 112.9

145 36.8 25.8 38.8



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

