

Data File : VR025683.D
Acq On : 7 Sep 2018 10:39
Operator : SY/MD
Sample : VSTD00593
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

Quant Time: Sep 07 11:30:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 07 09:41:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	771100	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	638555	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	260263	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	158835	3.16	ug/L	0.00
7) Chloroethane-d5	2.63	69	131463	3.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	424834	3.43	ug/L	0.00
20) 2-Butanone-d5	6.59	46	168913	44.16	ug/L	0.00
24) Chloroform-d	7.20	84	369029	4.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	129337	4.22	ug/L	0.00
32) Benzene-d6	7.85	84	894343	4.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	232440	4.37	ug/L	0.00
41) Toluene-d8	9.97	98	858580	4.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	54461	4.34	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	195304	47.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	98722	4.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	181667	4.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	173071	4.052 ug/L	96
3) Chloromethane	2.01	50	224188	3.547 ug/L	99
5) Vinyl chloride	2.17	62	224408	3.626 ug/L	91
6) Bromomethane	2.52	94	162545	3.860 ug/L	87
8) Chloroethane	2.66	64	127159	3.341 ug/L	90
9) Trichlorofluoromethane	2.93	101	104692	1.166 ug/L #	4
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	222570	4.067 ug/L	97
12) 1,1-Dichloroethene	3.65	96	227011	3.749 ug/L	80
13) Acetone	3.70	43	94614	39.709 ug/L	91
14) Carbon disulfide	3.97	76	558573	3.544 ug/L	98
15) Methyl Acetate	4.19	43	33204	3.686 ug/L #	89
16) Methylene chloride	4.40	84	195496	3.597 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	296946	4.782 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	286118	4.474 ug/L	95
19) 1,1-Dichloroethane	5.69	63	446273	4.515 ug/L	97
21) 2-Butanone	6.70	43	235571	50.170 ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	269184	4.898 ug/L #	96
23) Bromochloromethane	7.05	128	83726	4.970 ug/L	90
25) Chloroform	7.23	83	402299	4.685 ug/L	98
27) 1,2-Dichloroethane	7.99	62	158668	4.941 ug/L #	92
29) 1,1,1-Trichloroethane	7.43	97	302903	4.876 ug/L	96
30) Cyclohexane	7.51	56	395943	4.954 ug/L	98
31) Carbon tetrachloride	7.63	117	287237	5.268 ug/L	98
33) Benzene	7.91	78	1124727	4.823 ug/L	100
34) Trichloroethene	8.71	95	259811	4.864 ug/L	96
35) Methylcyclohexane	8.95	83	446214	5.135 ug/L	97
37) 1,2-Dichloropropane	9.00	63	246810	4.821 ug/L	99
38) Bromodichloromethane	9.28	83	226113	5.061 ug/L	90
39) cis-1,3-Dichloropropene	9.72	75	281563	5.367 ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	697296	56.232 ug/L	99

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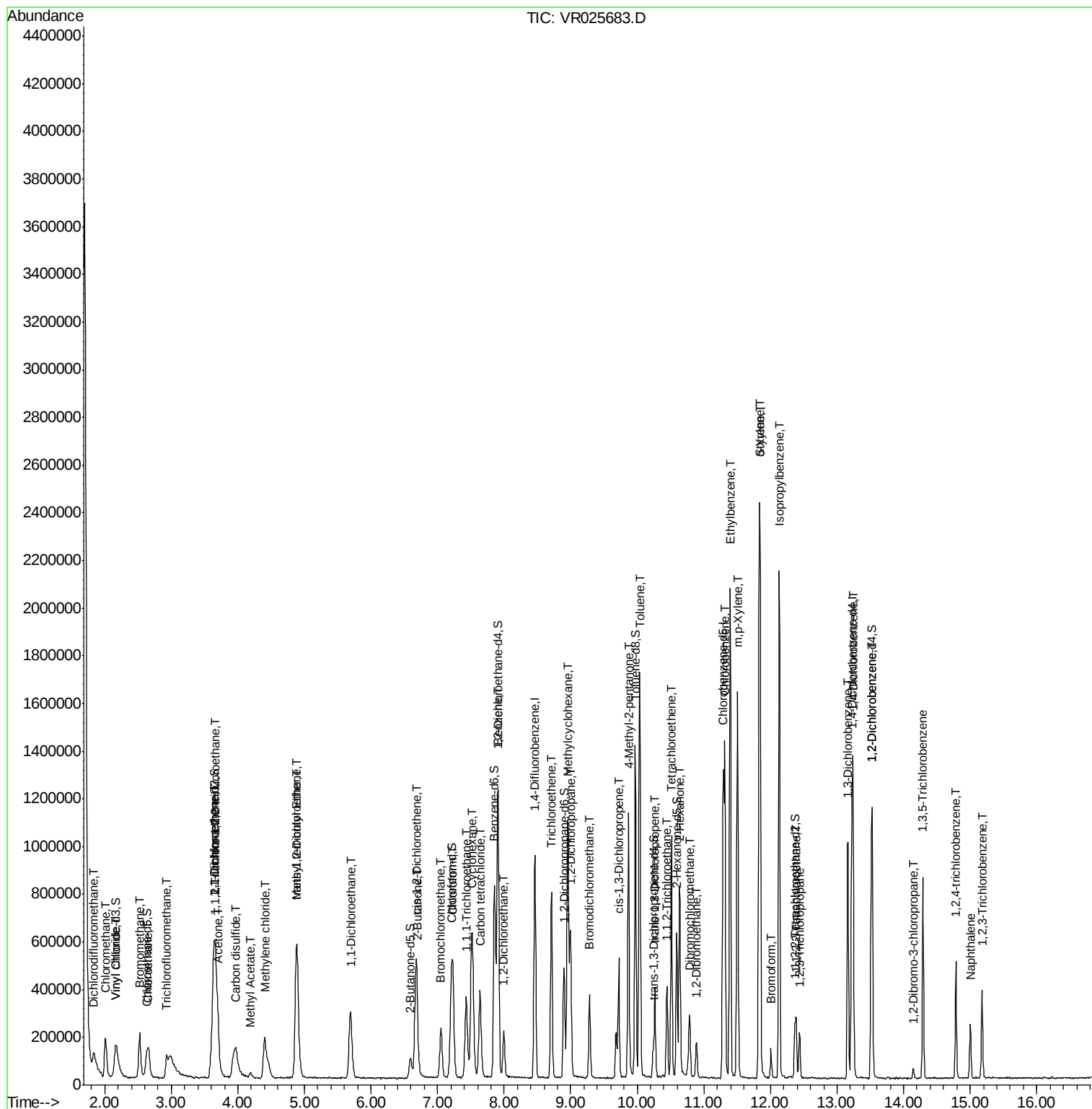
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	1186225	5.184	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	186483	5.036	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	112959	5.001	ug/L	95
47) Tetrachloroethene	10.51	164	213585	5.229	ug/L	94
48) 2-Hexanone	10.63	43	477574	55.249	ug/L	99
49) Dibromochloromethane	10.79	129	129136	5.306	ug/L	96
50) 1,2-Dibromoethane	10.89	107	90104	5.035	ug/L #	98
51) Chlorobenzene	11.32	112	708599	4.975	ug/L	99
52) Ethylbenzene	11.39	91	1289757	5.279	ug/L	98
53) m,p-Xylene	11.50	106	522962	5.345	ug/L	98
54) o-Xylene	11.83	106	463791	5.320	ug/L	98
55) Styrene	11.84	104	747716	5.309	ug/L	97
56) Isopropylbenzene	12.13	105	1204424	5.450	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	108032	4.628	ug/L	91
59) 1,2,3-Trichloropropane	12.43	75	73853	4.653	ug/L	90
61) Bromoform	12.01	173	51264	4.902	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	395140	4.911	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	427813	4.786	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	340185	4.911	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	9288	4.952	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.29	180	234883	5.166	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	139273	4.936	ug/L	98
69) Naphthalene	15.00	128	158952	4.562	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	106423	4.851	ug/L	94

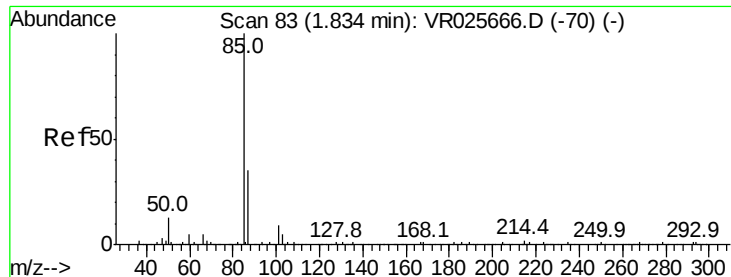
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.052 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

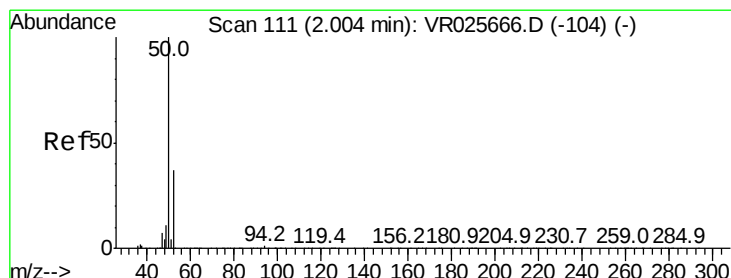
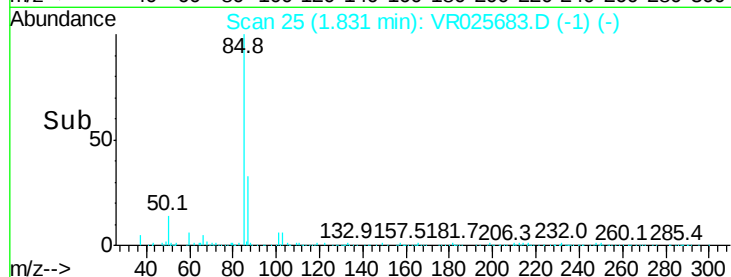
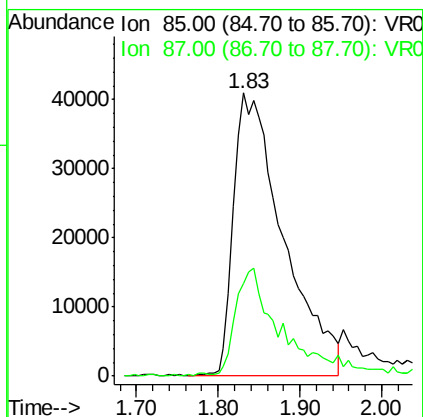
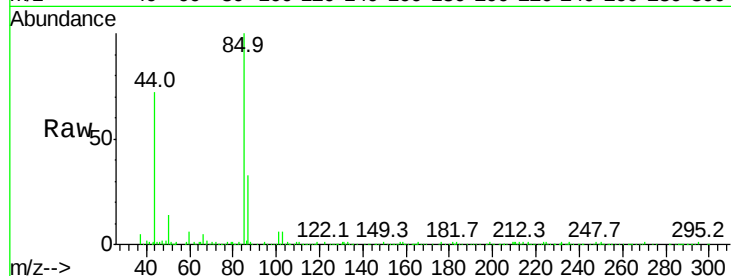
VSTD00593

Tgt Ion: 85 Resp: 173071

Ion Ratio Lower Upper

85 100

87 31.6 23.5 35.3



#3

Chloromethane

Concen: 3.547 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.00 min

Lab File: VR025683.D

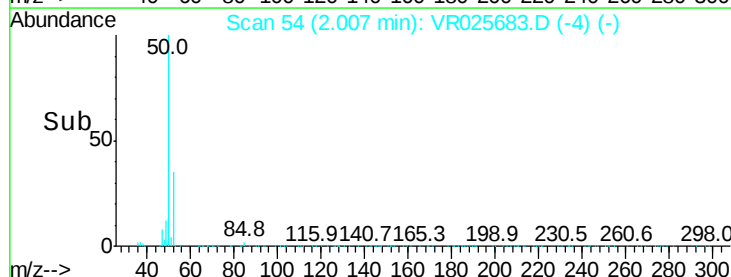
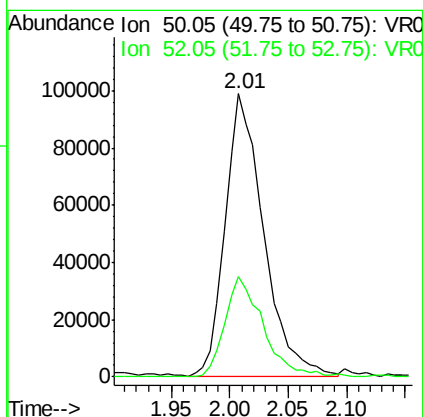
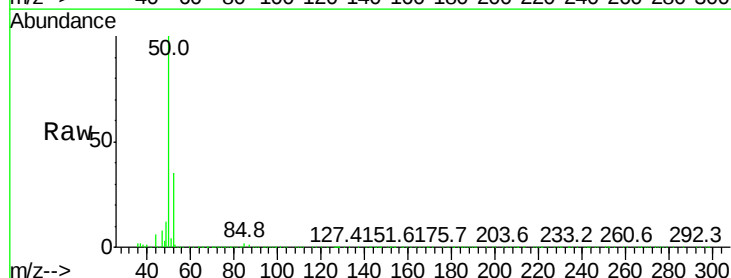
Acq: 7 Sep 2018 10:39

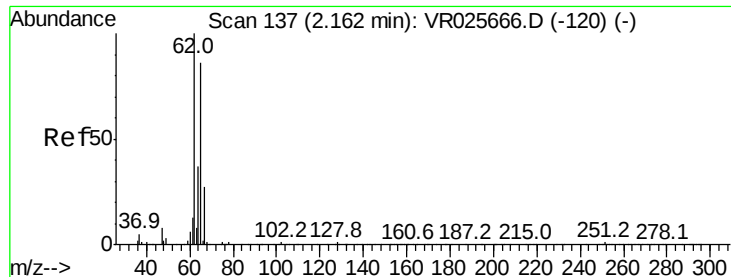
Tgt Ion: 50 Resp: 224188

Ion Ratio Lower Upper

50 100

52 35.2 24.2 45.0





#5

Vinyl chloride

Concen: 3.626 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampled :

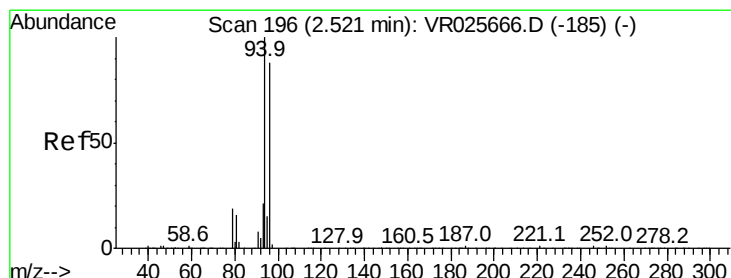
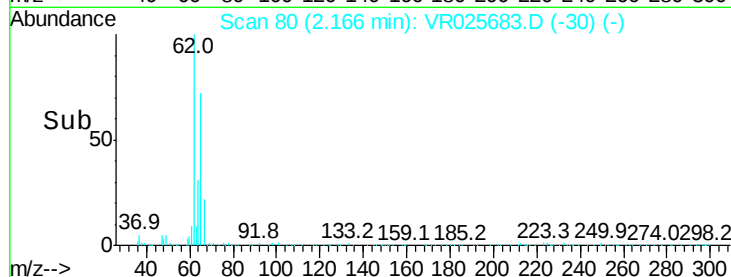
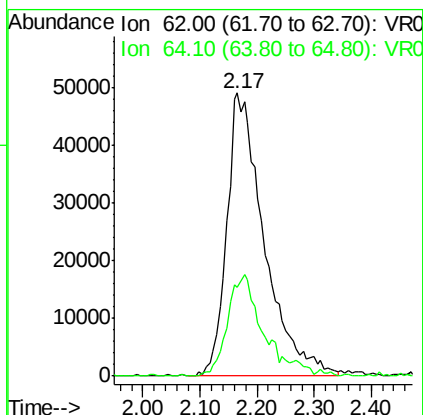
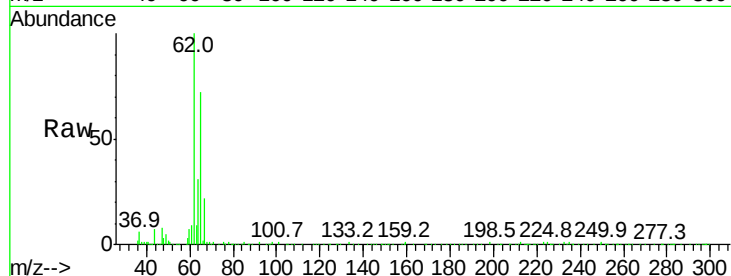
VSTD00593

Tgt Ion: 62 Resp: 224408

Ion Ratio Lower Upper

62 100

64 31.4 25.6 47.4



#6

Bromomethane

Concen: 3.860 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025683.D

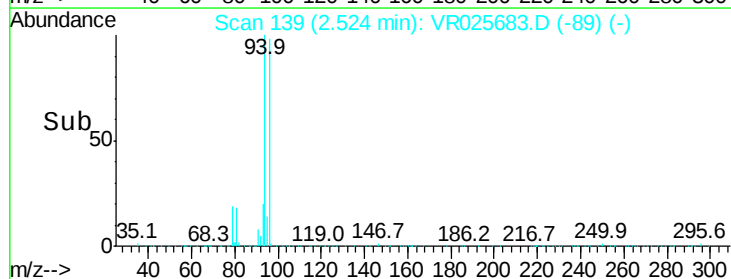
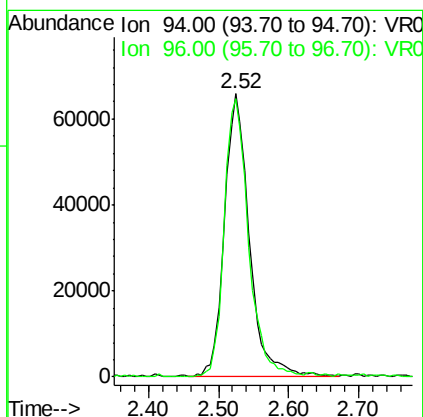
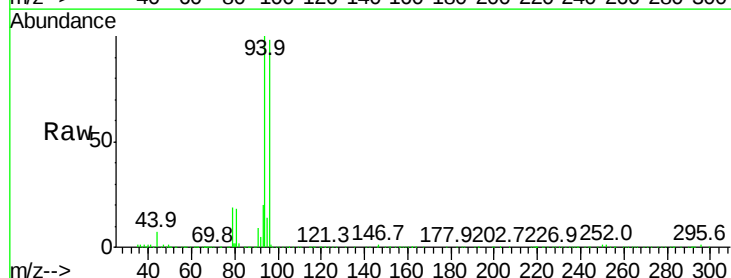
Acq: 7 Sep 2018 10:39

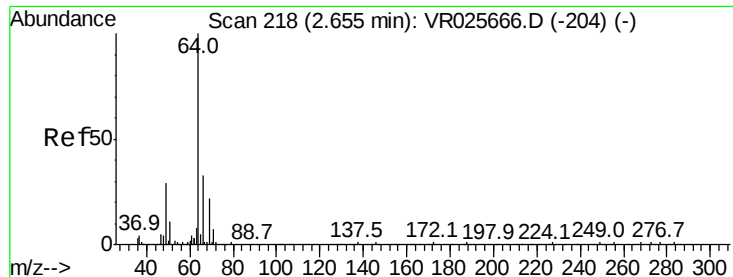
Tgt Ion: 94 Resp: 162545

Ion Ratio Lower Upper

94 100

96 98.4 60.8 112.8

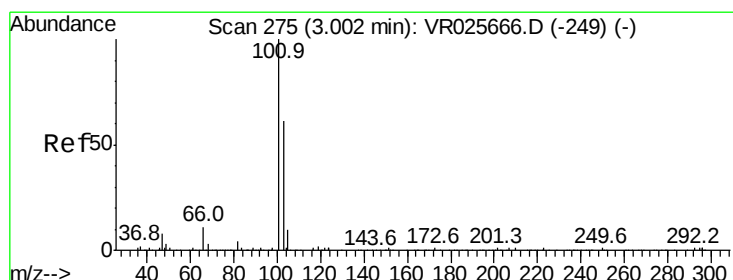
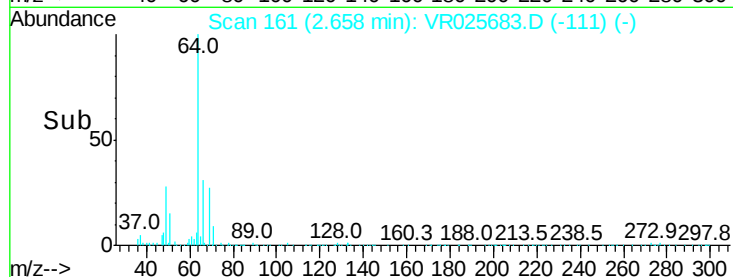
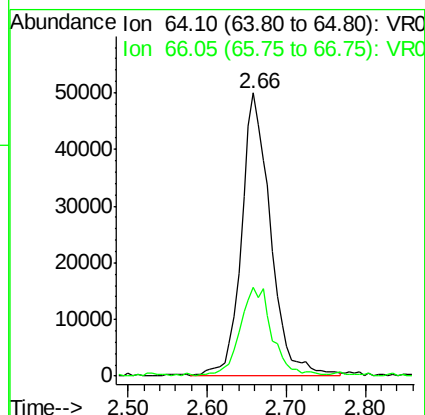
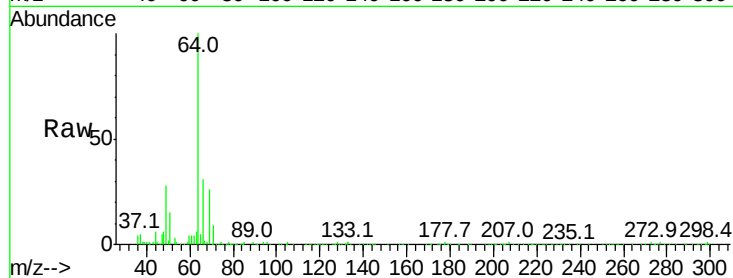




#8
Chloroethane
Concen: 3.341 ug/L
RT: 2.66 min Scan# 161
Delta R.T. 0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

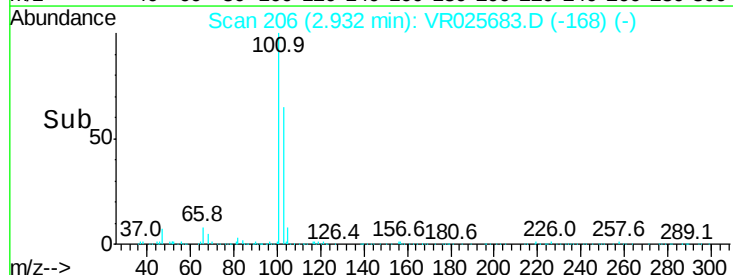
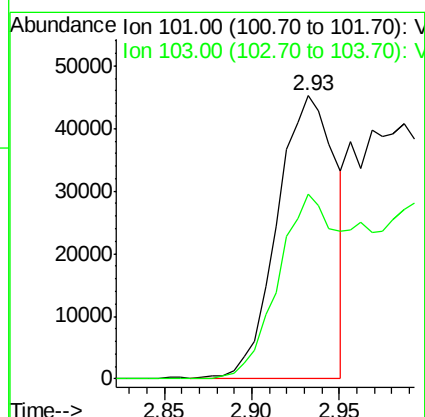
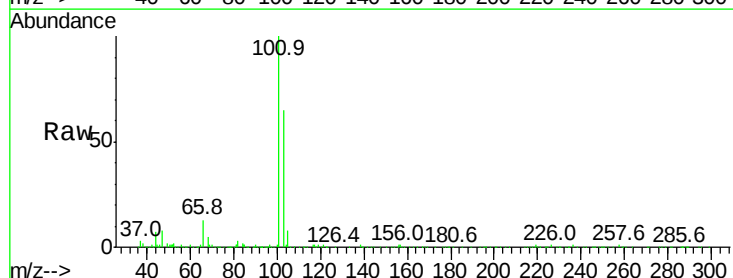
Instrument :
MSVOA_R
ClientSampled :
VSTD00593

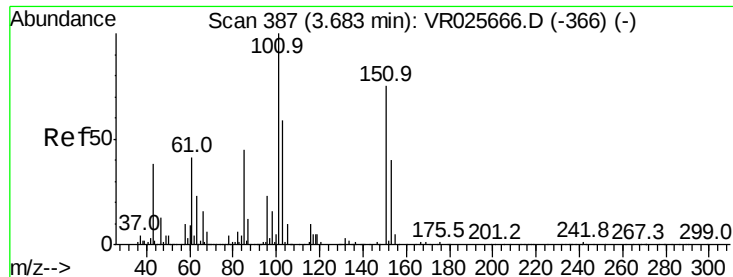
Tgt Ion: 64 Resp: 127159
Ion Ratio Lower Upper
64 100
66 31.2 18.2 33.8



#9
Trichlorofluoromethane
Concen: 1.166 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.07 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

Tgt Ion: 101 Resp: 104692
Ion Ratio Lower Upper
101 100
103 64.9 16.4 24.6#





#10

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

Concen: 4.067 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.01 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

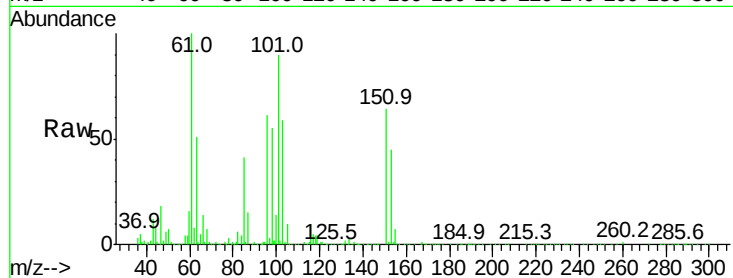
Tgt Ion: 101 Resp: 222570

Ion Ratio Lower Upper

101 100

85 47.6 35.6 53.4

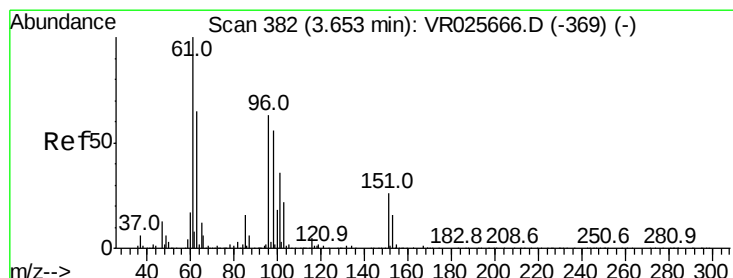
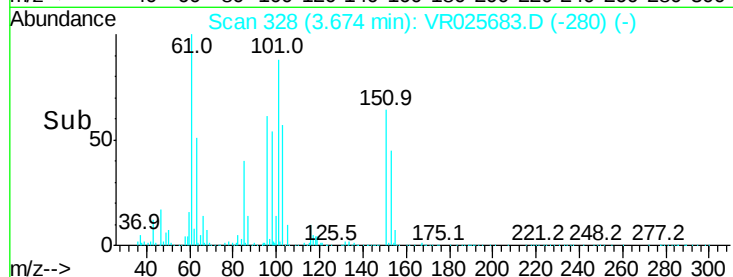
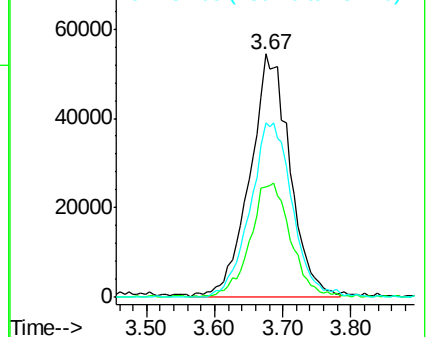
151 75.4 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.749 ug/L

RT: 3.65 min Scan# 324

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

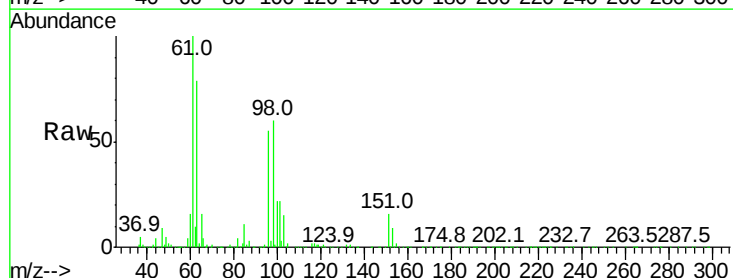
Tgt Ion: 96 Resp: 227011

Ion Ratio Lower Upper

96 100

61 183.4 119.8 222.6

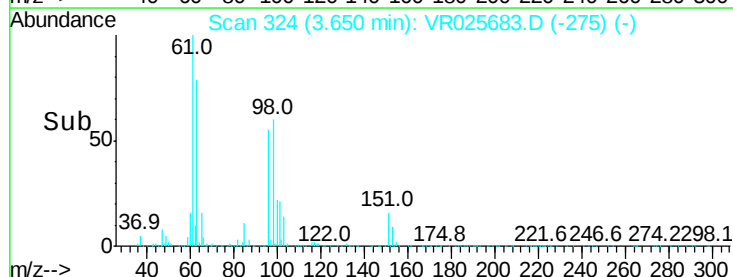
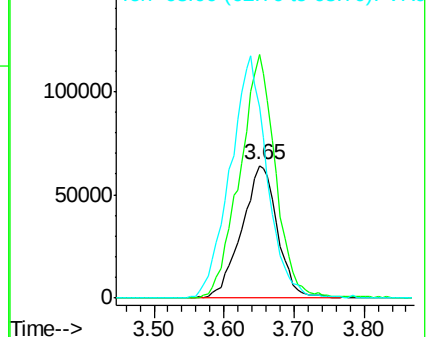
63 144.4 131.1 243.5

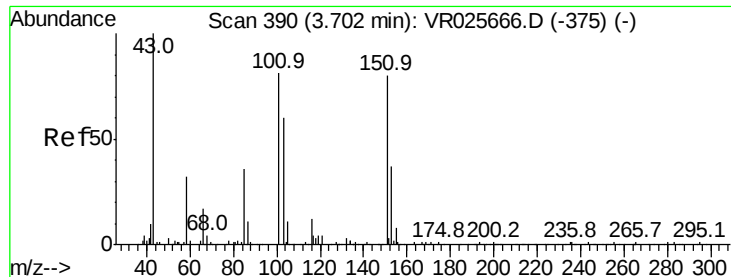


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

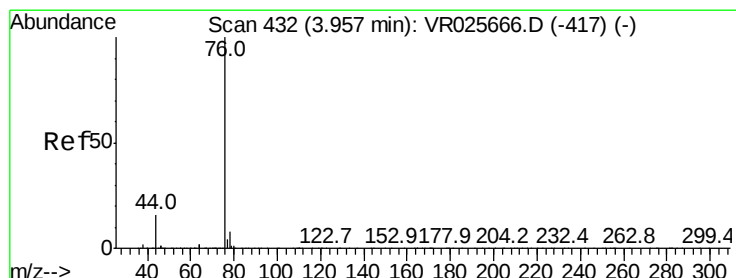
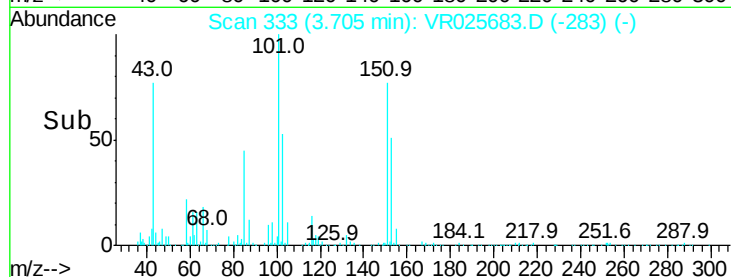
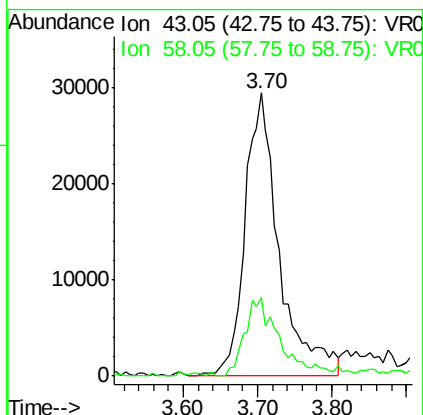
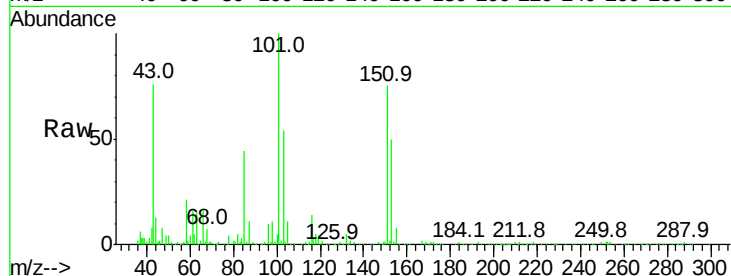




#13
Acetone
Concen: 39.709 ug/L
RT: 3.70 min Scan# 333
Delta R.T. 0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

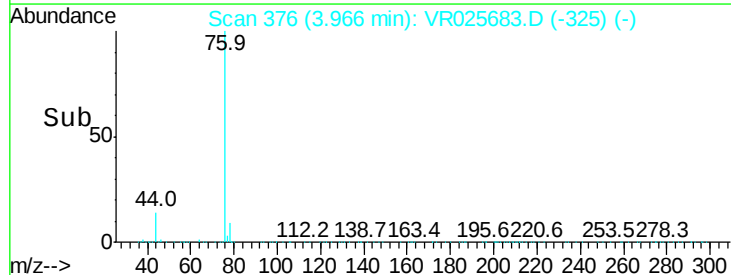
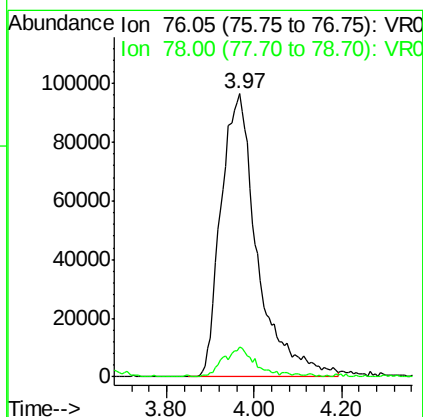
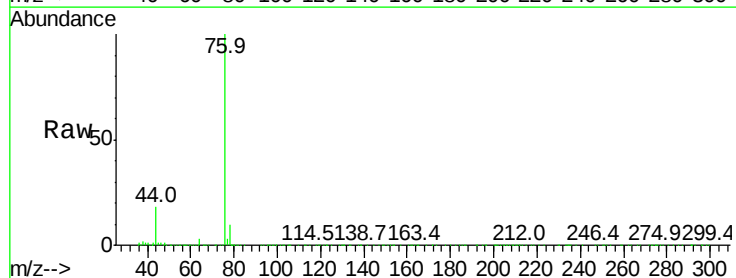
Instrument :
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VSTD00593

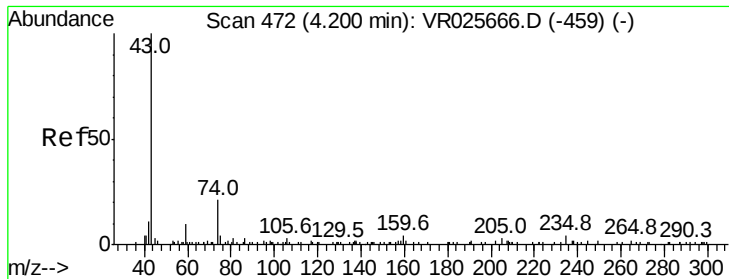
Tgt Ion: 43 Resp: 94614
Ion Ratio Lower Upper
43 100
58 26.8 0.0 63.4



#14
Carbon disulfide
Concen: 3.544 ug/L
RT: 3.97 min Scan# 376
Delta R.T. 0.01 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

Tgt Ion: 76 Resp: 558573
Ion Ratio Lower Upper
76 100
78 10.7 8.1 12.1





#15

Methyl Acetate

Concen: 3.686 ug/L

RT: 4.19 min Scan# 413

Delta R.T. -0.01 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

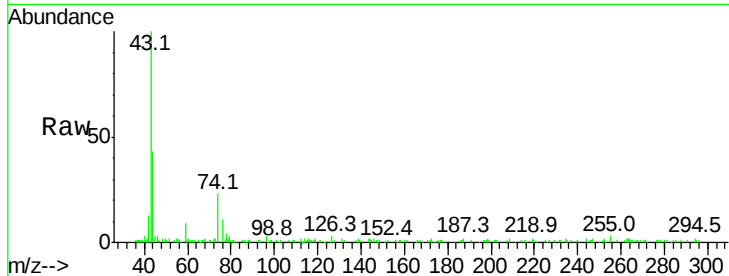
VSTD00593

Tgt Ion: 43 Resp: 33204

Ion Ratio Lower Upper

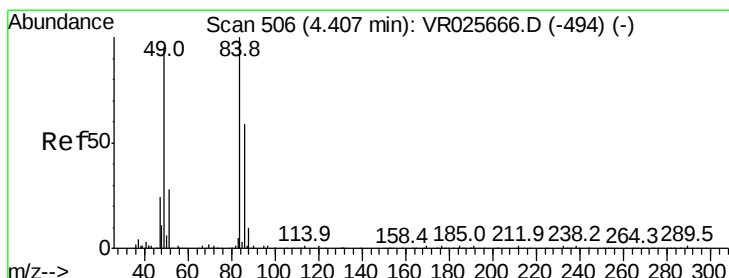
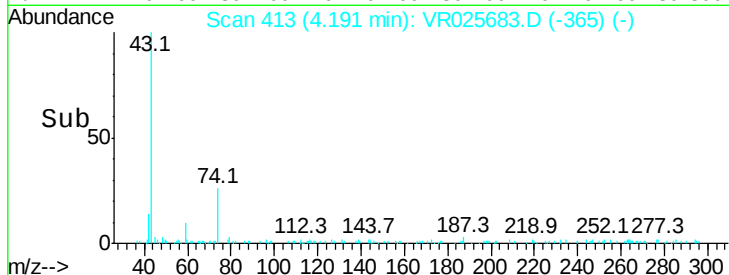
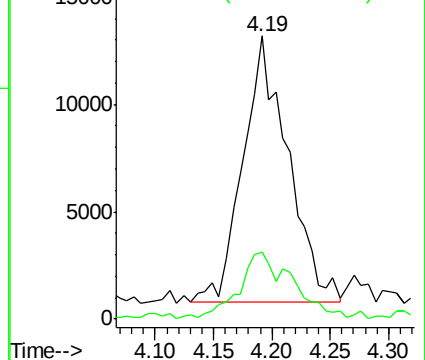
43 100

74 30.3 19.8 29.6#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 3.597 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

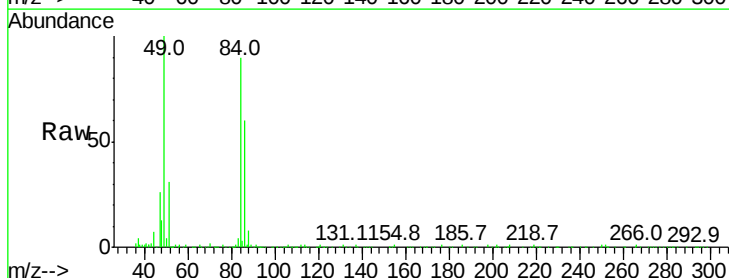
Tgt Ion: 84 Resp: 195496

Ion Ratio Lower Upper

84 100

86 66.4 47.9 88.9

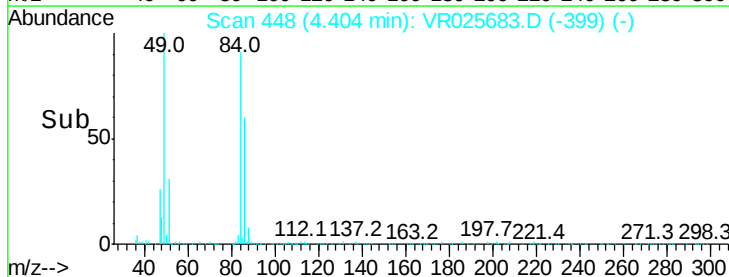
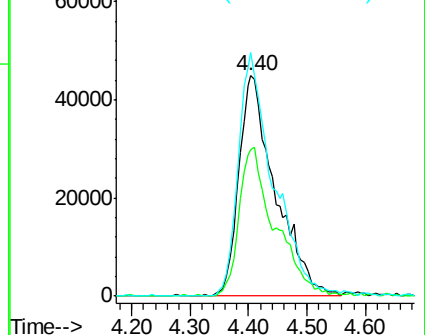
49 110.6 80.3 149.1

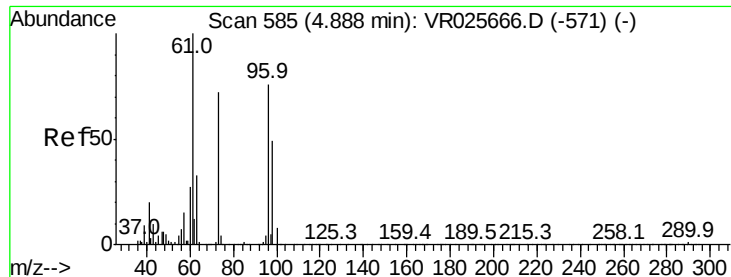


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

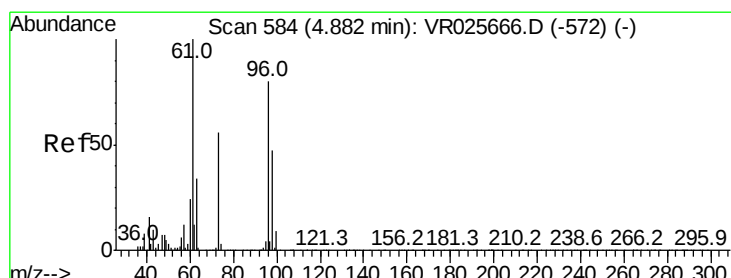
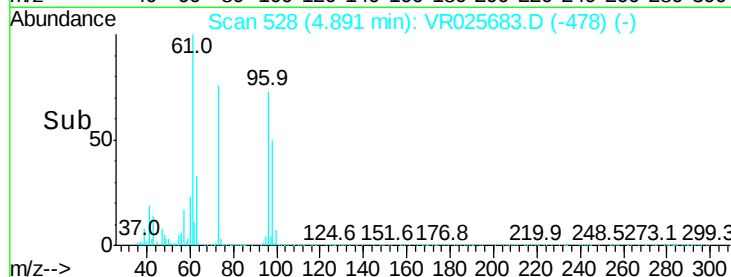
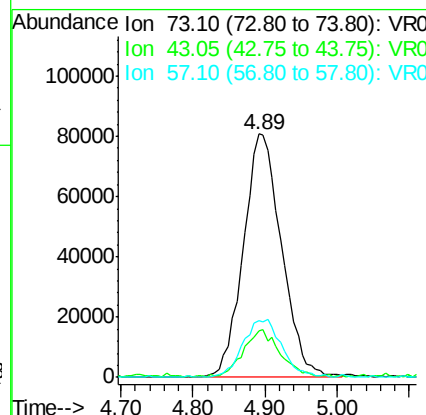
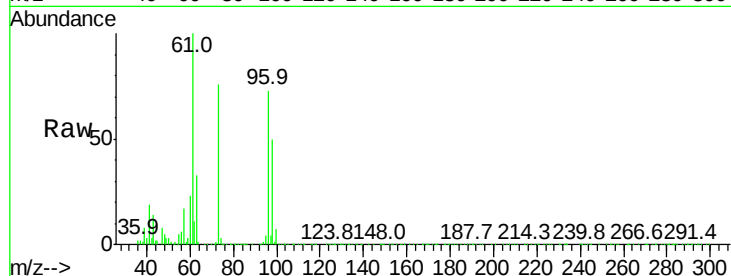




#17
Methyl tert-butyl Ether
Concen: 4.782 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

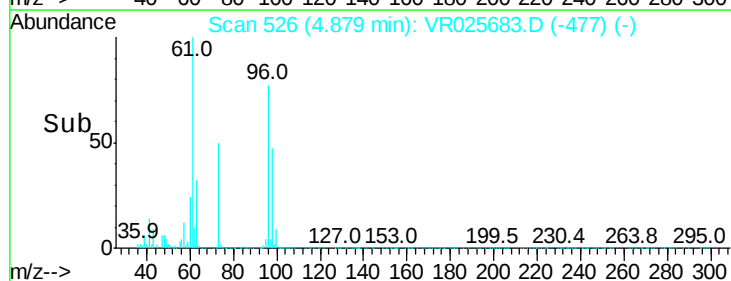
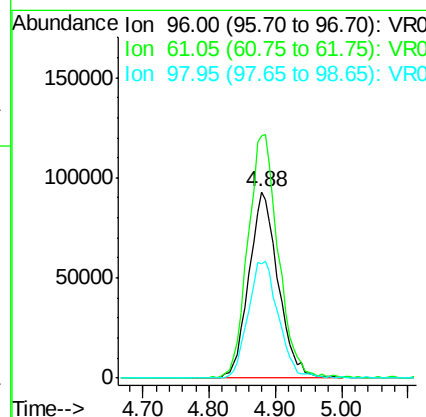
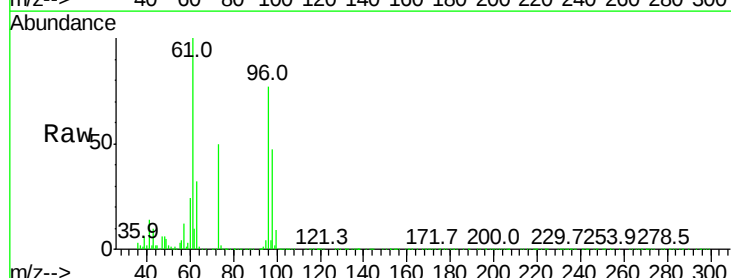
Instrument :
MSVOA_R
ClientSampled :
VSTD00593

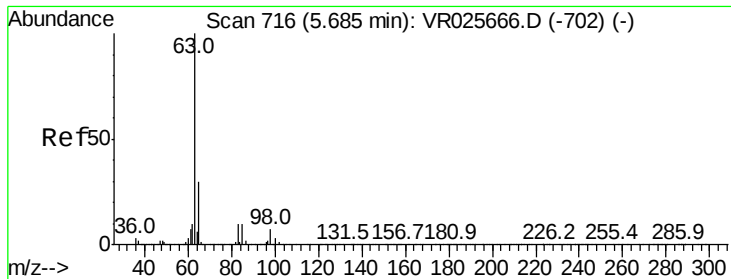
Tgt Ion: 73 Resp: 296946
Ion Ratio Lower Upper
73 100
43 18.9 14.8 22.2
57 24.4 19.9 29.9



#18
trans-1,2-Dichloroethene
Concen: 4.474 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

Tgt Ion: 96 Resp: 286118
Ion Ratio Lower Upper
96 100
61 130.5 87.5 162.5
98 61.7 41.1 76.3

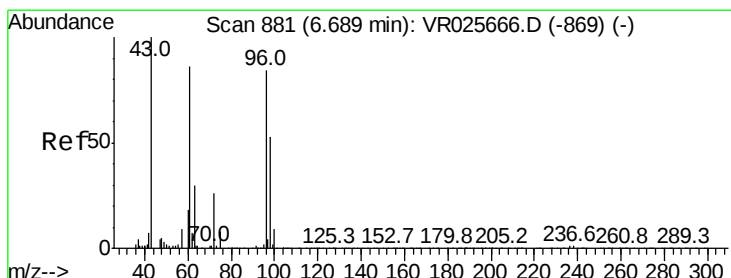
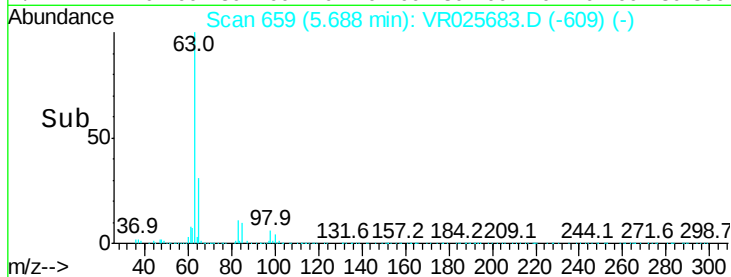
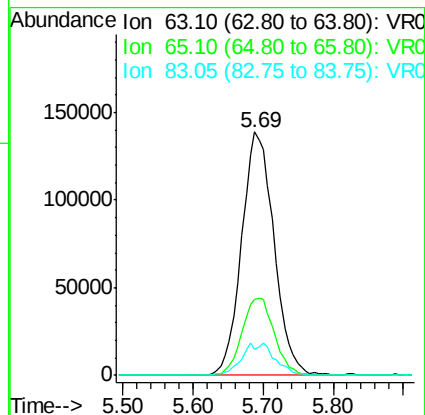
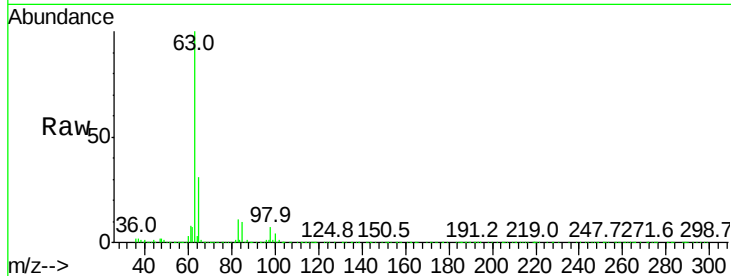




#19
 1,1-Dichloroethane
 Concen: 4.515 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR025683.D
 Acq: 7 Sep 2018 10:39

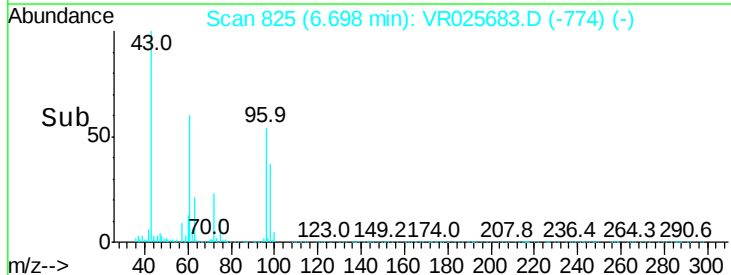
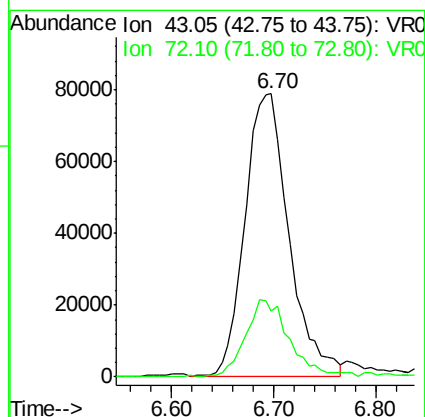
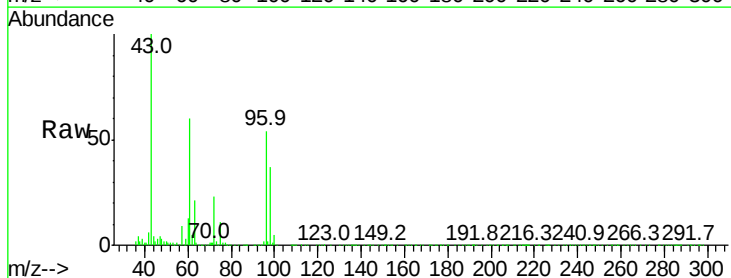
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

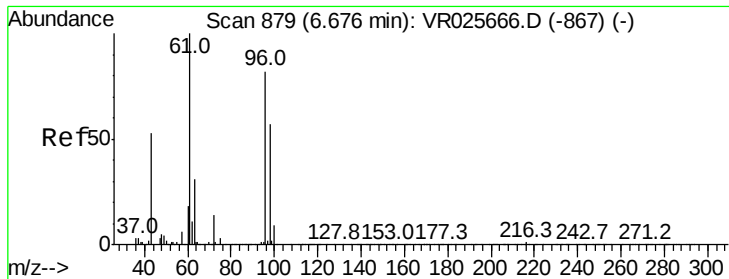
Tgt Ion: 63 Resp: 446273
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.9 42.5
 83 10.9 9.1 16.9



#21
 2-Butanone
 Concen: 50.170 ug/L
 RT: 6.70 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VR025683.D
 Acq: 7 Sep 2018 10:39

Tgt Ion: 43 Resp: 235571
 Ion Ratio Lower Upper
 43 100
 72 26.6 14.3 42.9



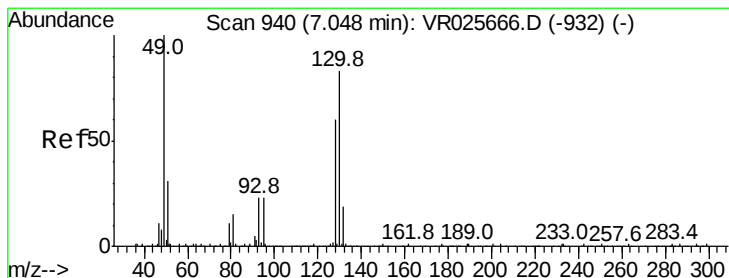
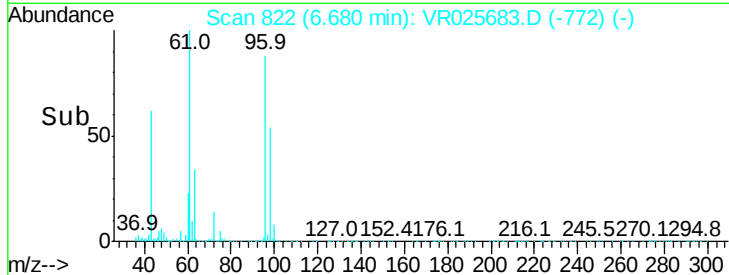
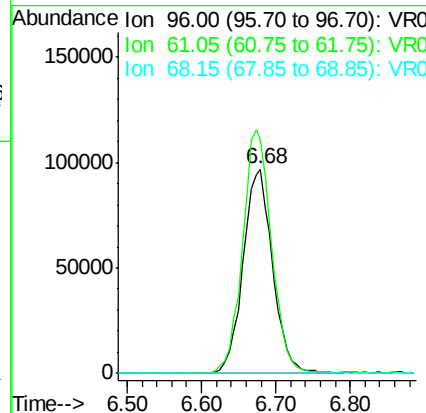
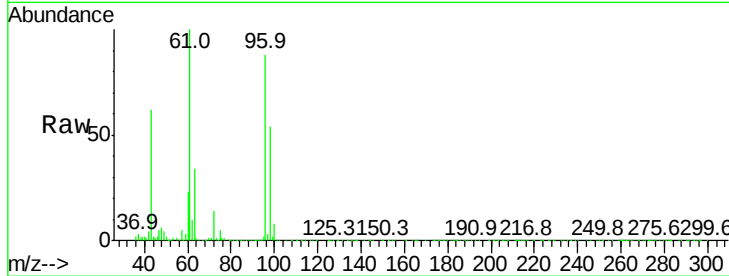


#22

cis-1,2-Dichloroethene
Concen: 4.898 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

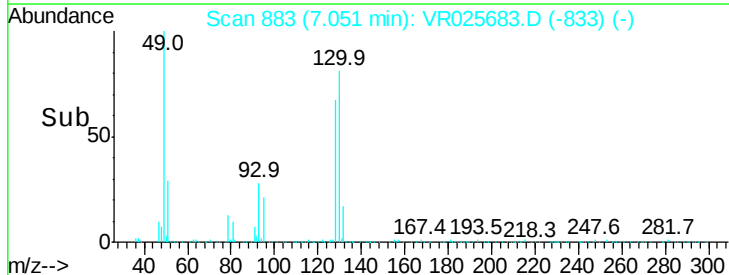
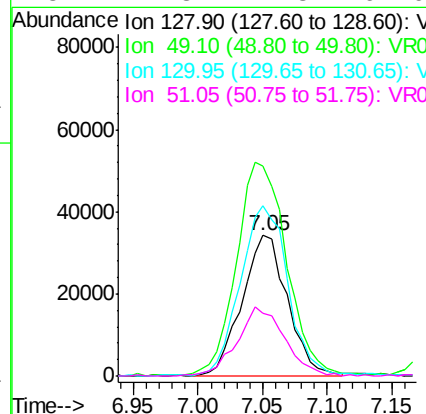
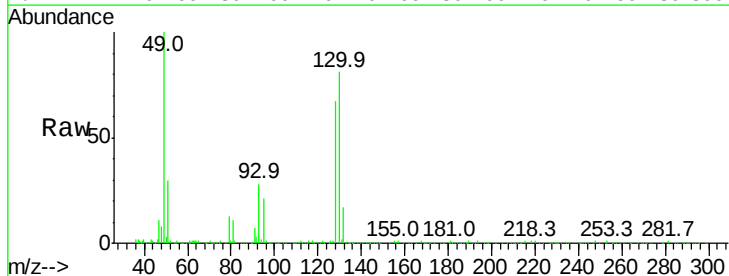
Tgt Ion: 96 Resp: 269184
Ion Ratio Lower Upper
96 100
61 114.2 76.7 142.5
68 0.3 0.1 0.3#

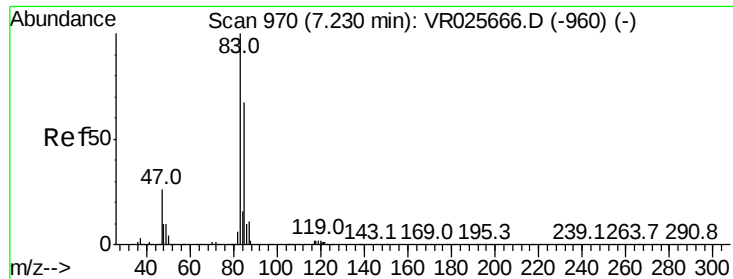


#23

Bromochloromethane
Concen: 4.970 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

Tgt Ion: 128 Resp: 83726
Ion Ratio Lower Upper
128 100
49 149.4 118.1 219.3
130 121.0 87.6 162.6
51 44.3 41.3 61.9

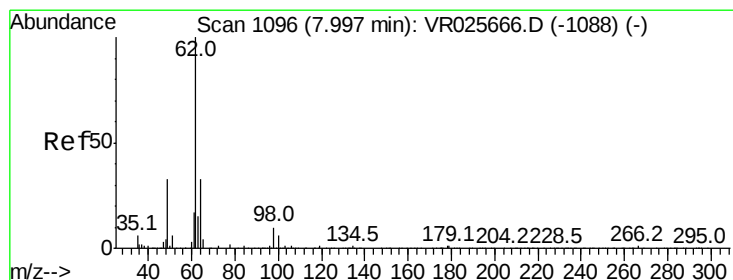
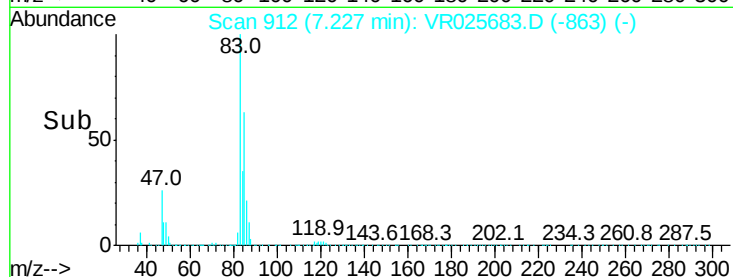
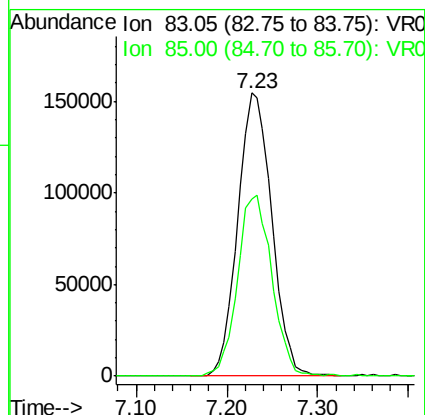
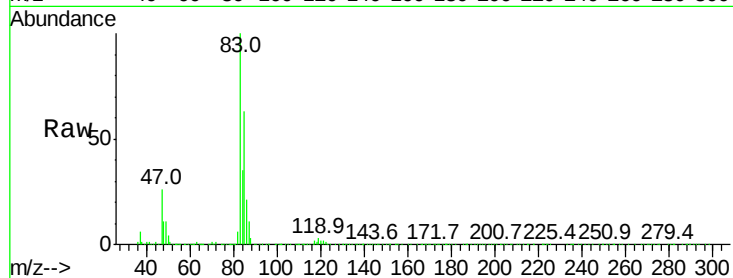




#25
Chloroform
Concen: 4.685 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

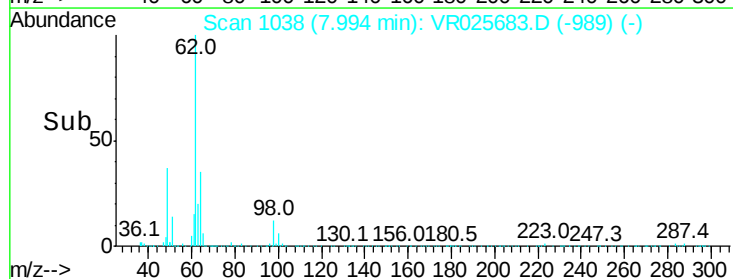
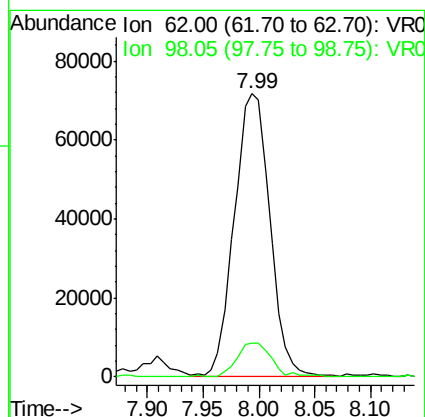
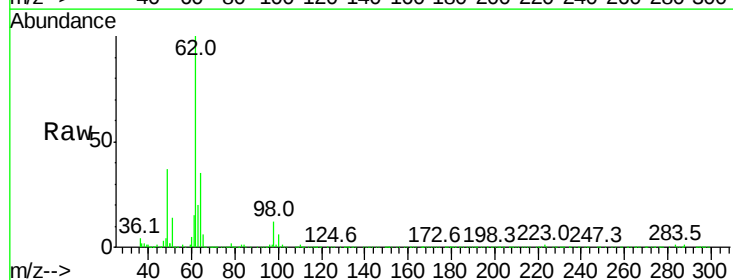
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

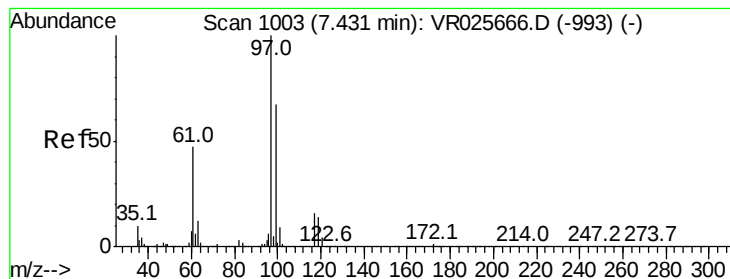
Tgt Ion: 83 Resp: 402299
Ion Ratio Lower Upper
83 100
85 62.6 45.1 83.7



#27
1,2-Dichloroethane
Concen: 4.941 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

Tgt Ion: 62 Resp: 158668
Ion Ratio Lower Upper
62 100
98 11.8 7.1 10.7#





#29

1,1,1-Trichloroethane

Concen: 4.876 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

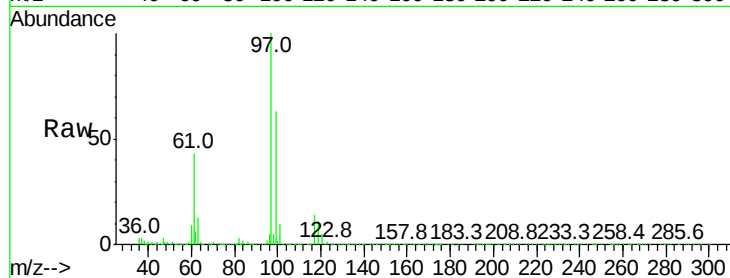
Tgt Ion: 97 Resp: 302903

Ion Ratio Lower Upper

97 100

99 64.1 52.6 79.0

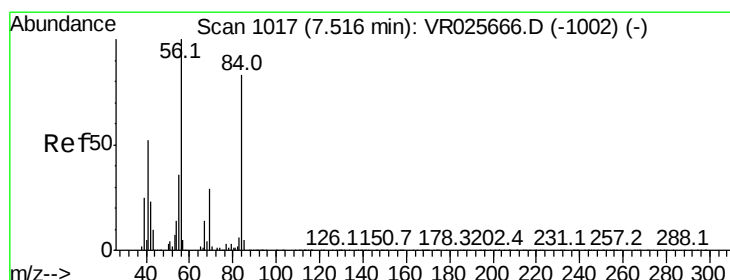
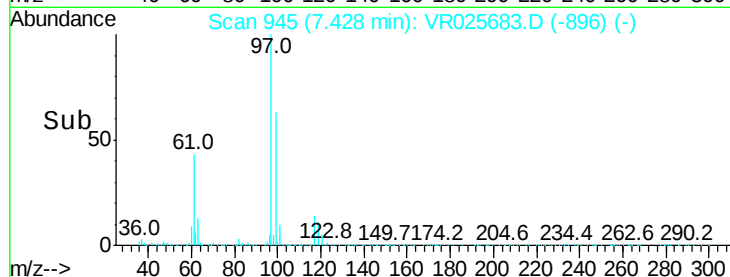
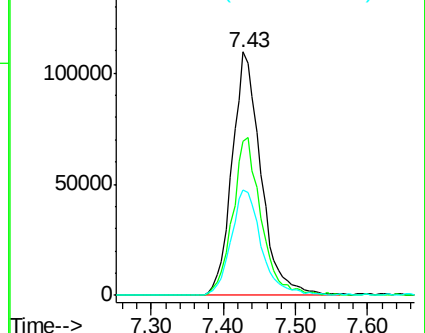
61 45.3 39.6 59.4



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 4.954 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

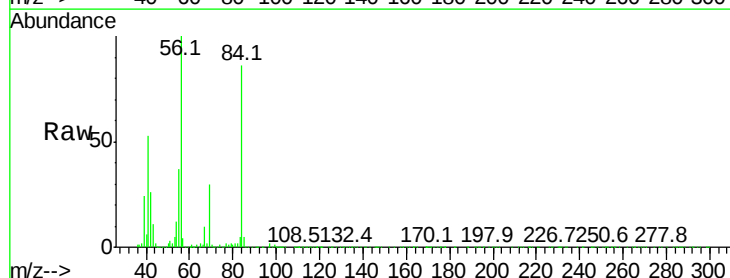
Tgt Ion: 56 Resp: 395943

Ion Ratio Lower Upper

56 100

69 29.3 23.8 35.8

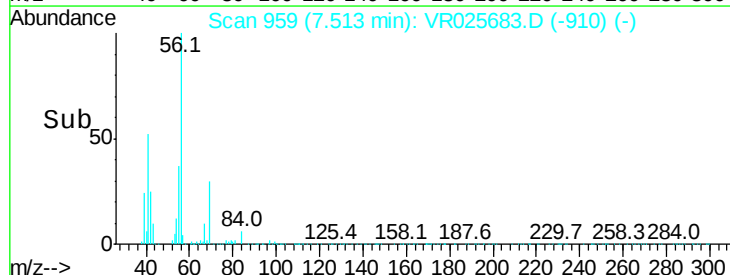
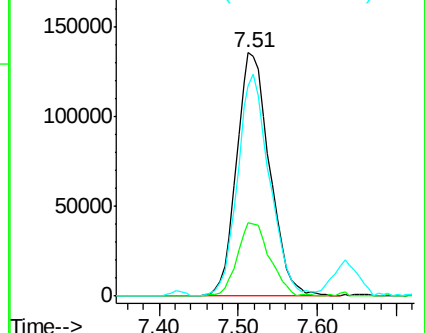
84 88.0 68.2 102.4

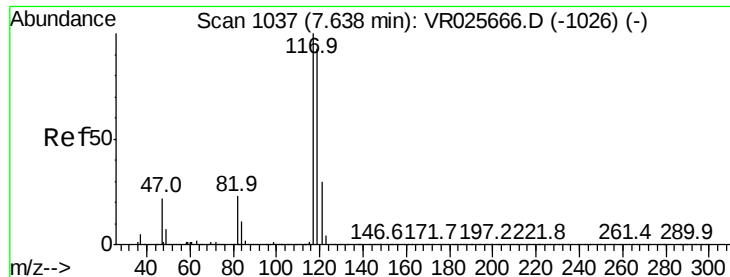


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.268 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

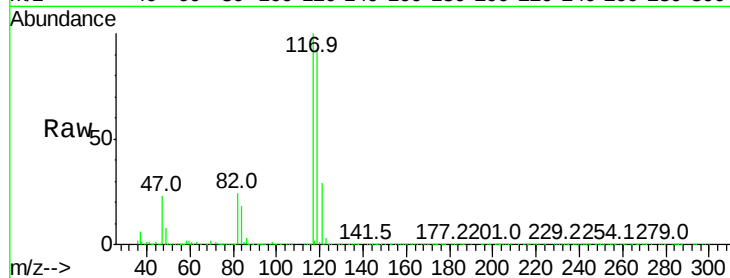
VSTD00593

Tgt Ion:117 Resp: 287237

Ion Ratio Lower Upper

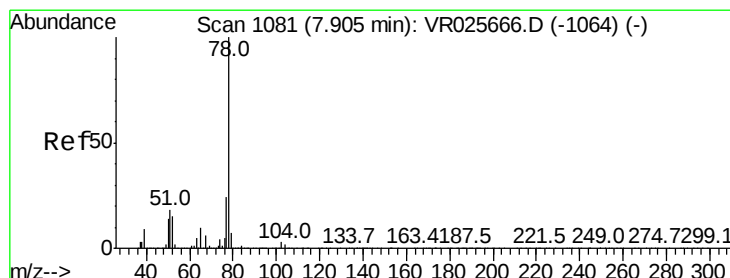
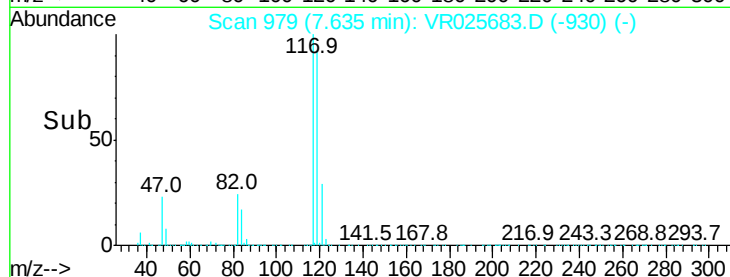
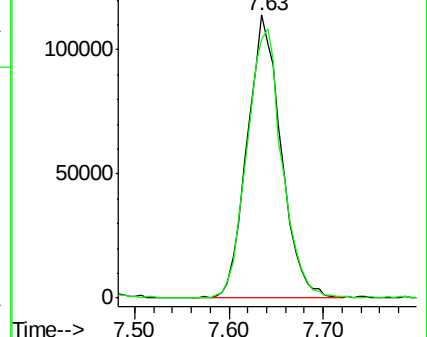
117 100

119 98.6 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.823 ug/L

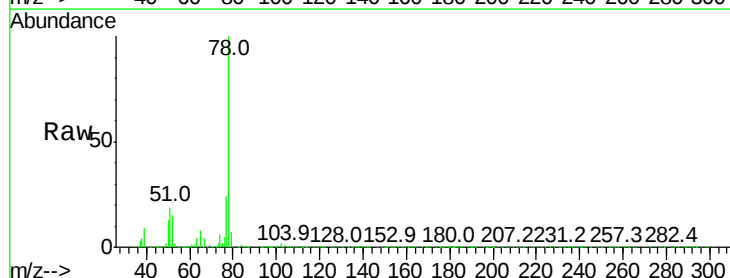
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

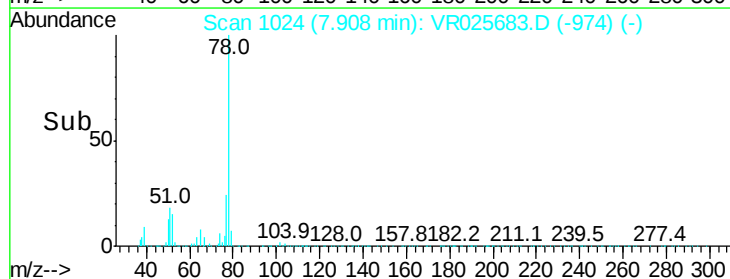
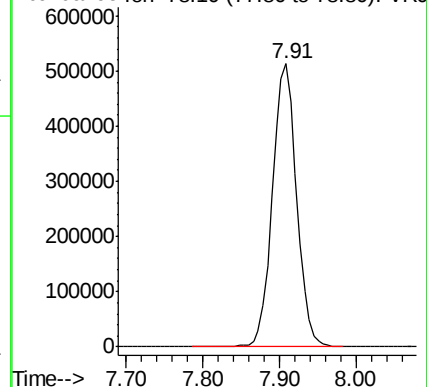
Lab File: VR025683.D

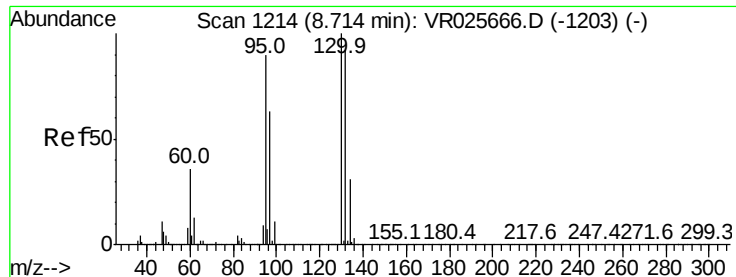
Acq: 7 Sep 2018 10:39

Tgt Ion: 78 Resp: 1124727



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.864 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

Tgt Ion: 95 Resp: 259811

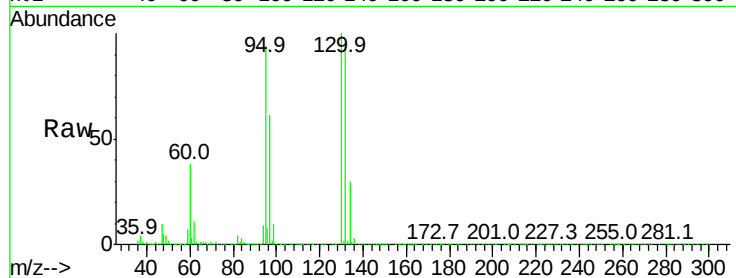
Ion Ratio Lower Upper

95 100

97 65.0 45.7 84.9

132 101.5 66.6 123.6

130 106.4 72.2 134.0

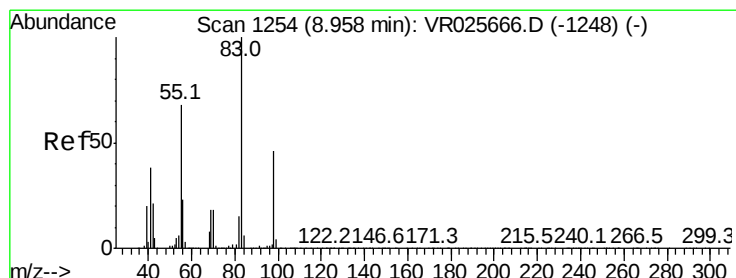
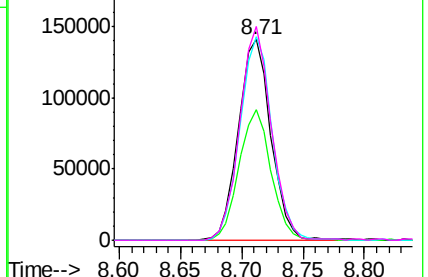
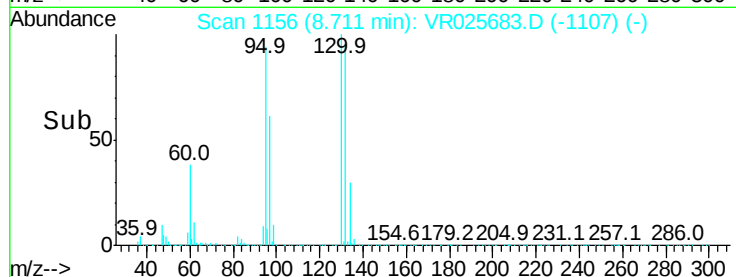


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.135 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

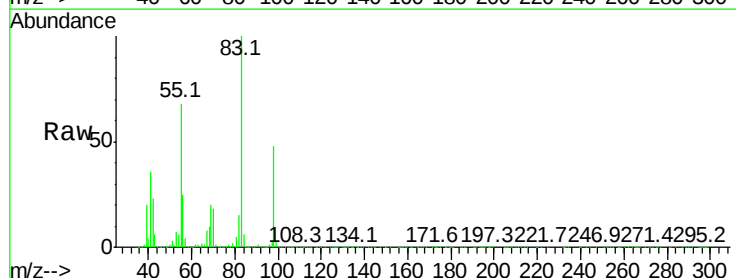
Tgt Ion: 83 Resp: 446214

Ion Ratio Lower Upper

83 100

55 73.6 56.7 85.1

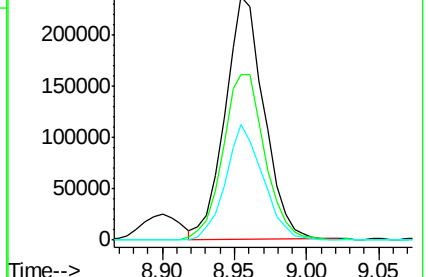
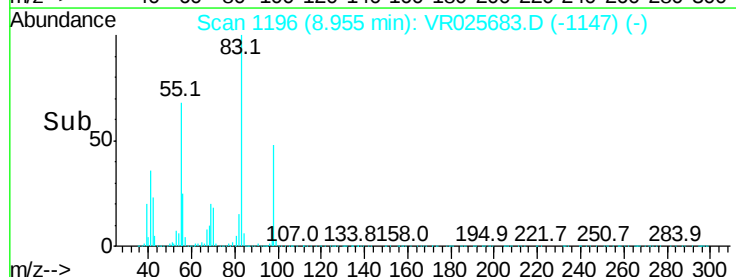
98 46.1 35.8 53.8

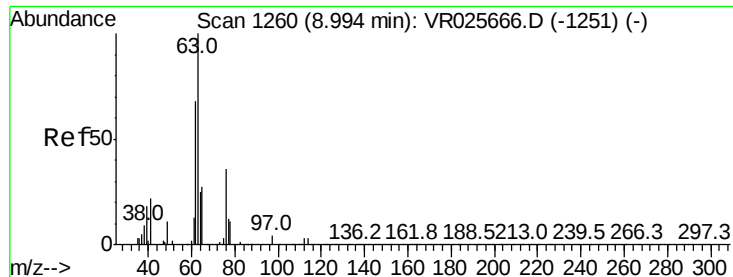


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

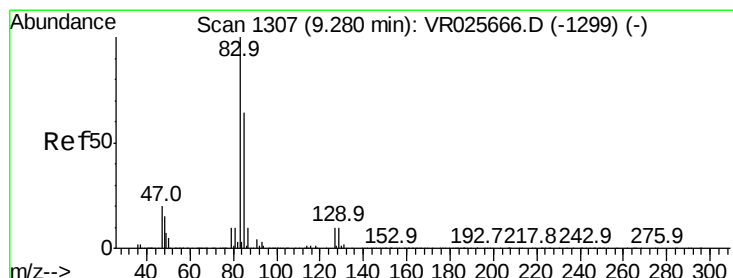
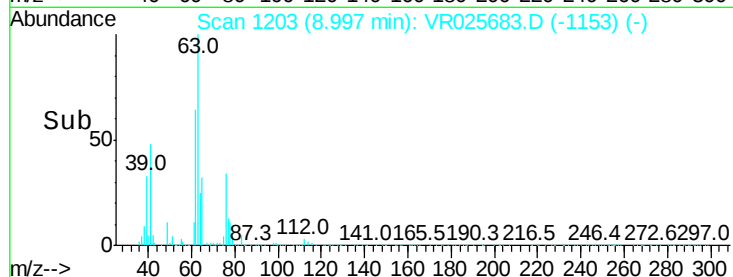
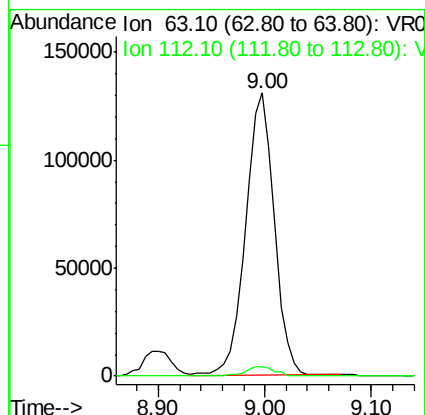
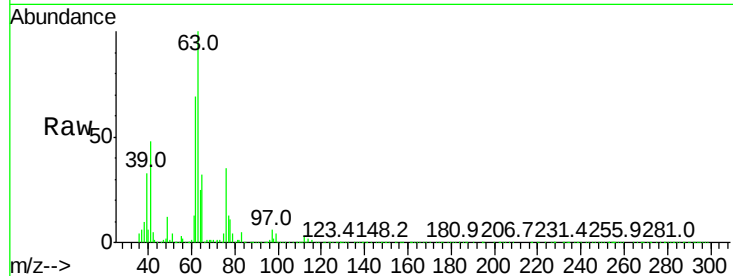




#37
 1,2-Dichloropropane
 Concen: 4.821 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VR025683.D
 Acq: 7 Sep 2018 10:39

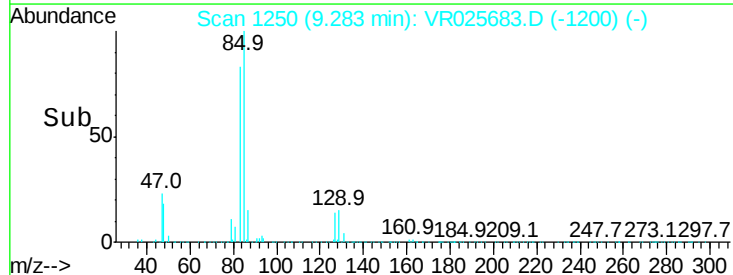
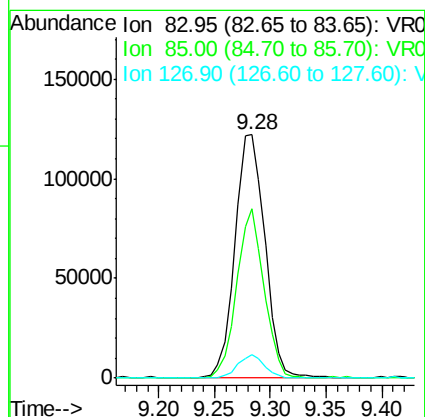
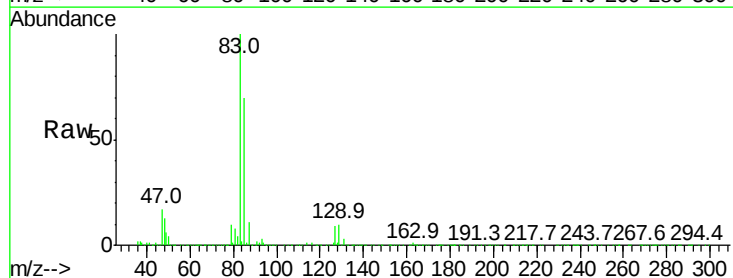
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00593

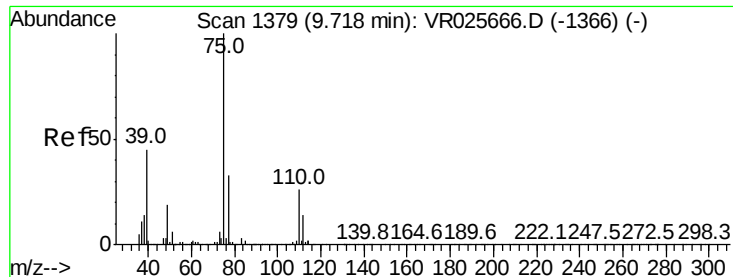
Tgt Ion: 63 Resp: 246810
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.5 3.7



#38
 Bromodichloromethane
 Concen: 5.061 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VR025683.D
 Acq: 7 Sep 2018 10:39

Tgt Ion: 83 Resp: 226113
 Ion Ratio Lower Upper
 83 100
 85 69.6 43.2 80.2
 127 9.4 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 5.367 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

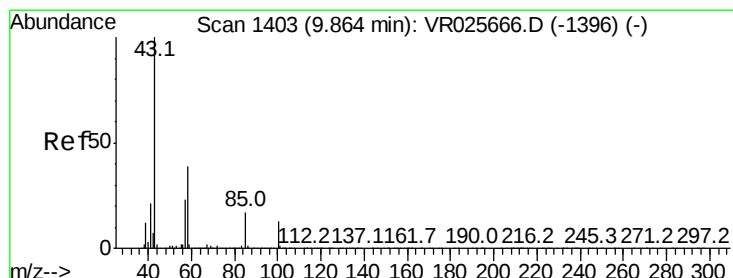
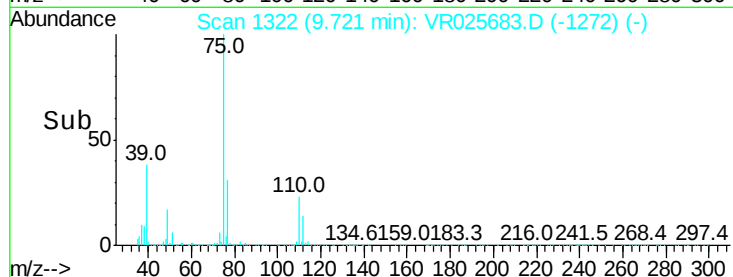
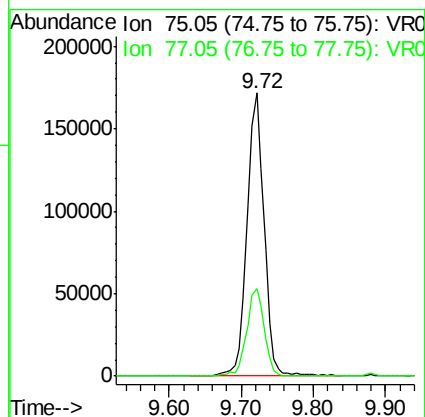
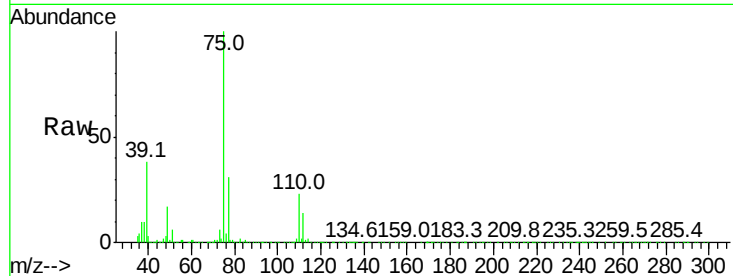
Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

Tgt Ion: 75 Resp: 281563

Ion	Ratio	Lower	Upper
75	100		
77	30.9	23.0	42.6



#40

4-Methyl-2-pentanone

Concen: 56.232 ug/L

RT: 9.87 min Scan# 1346

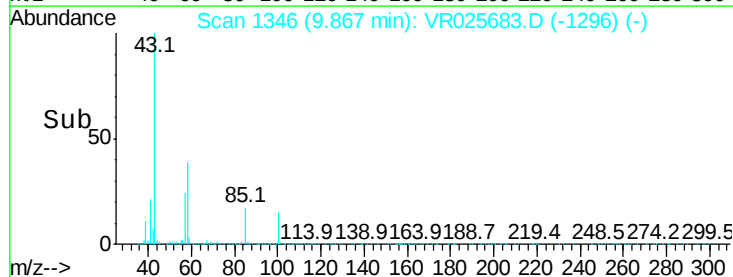
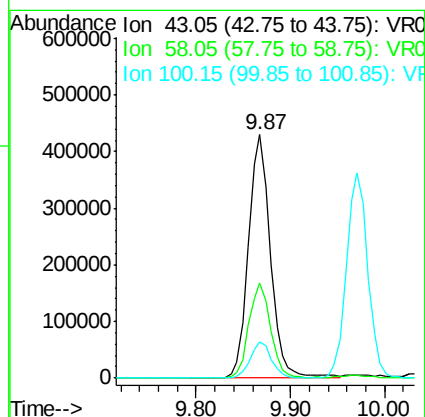
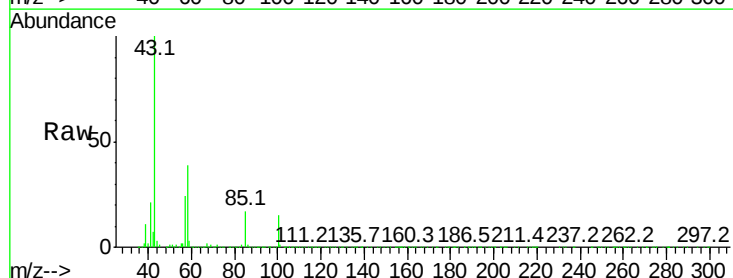
Delta R.T. 0.00 min

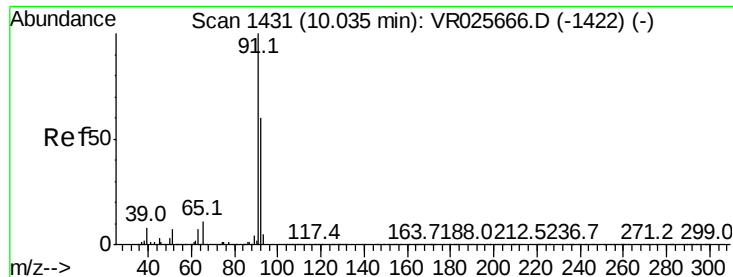
Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Tgt Ion: 43 Resp: 697296

Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.4	47.2
100	14.6	11.5	17.3





#42

Toluene

Concen: 5.184 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

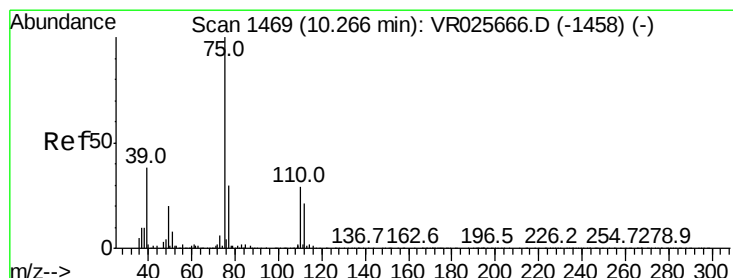
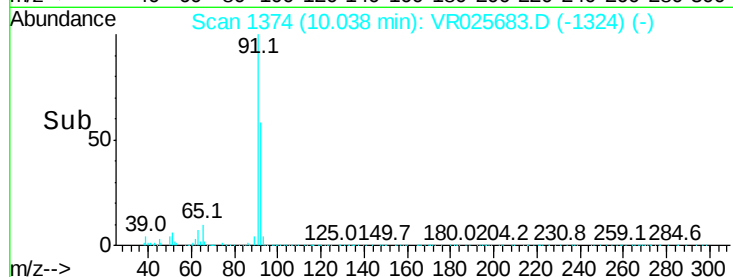
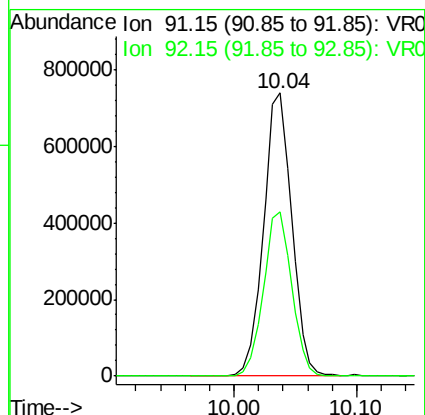
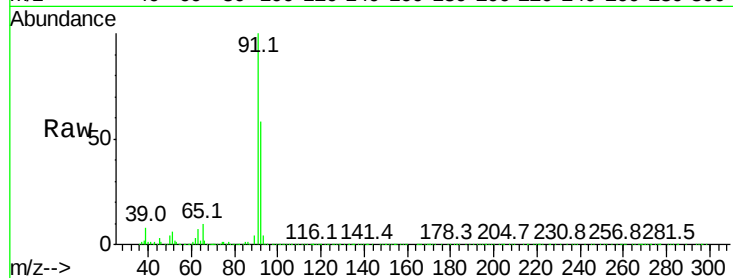
VSTD00593

Tgt Ion: 91 Resp: 1186225

Ion Ratio Lower Upper

91 100

92 58.2 42.0 78.0



#44

trans-1,3-Dichloropropene

Concen: 5.036 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025683.D

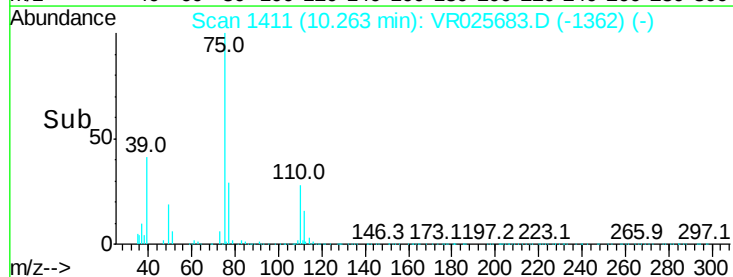
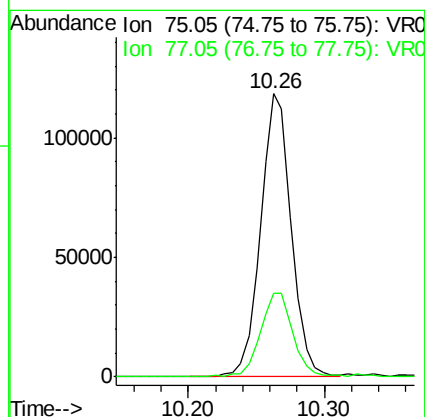
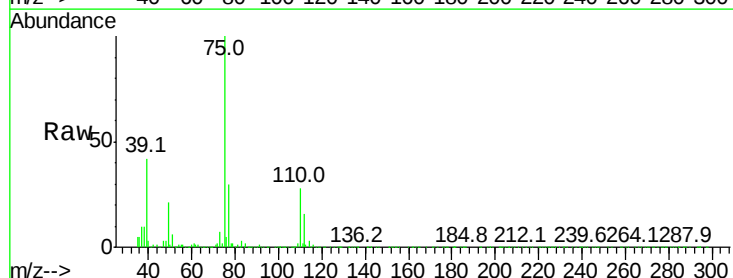
Acq: 7 Sep 2018 10:39

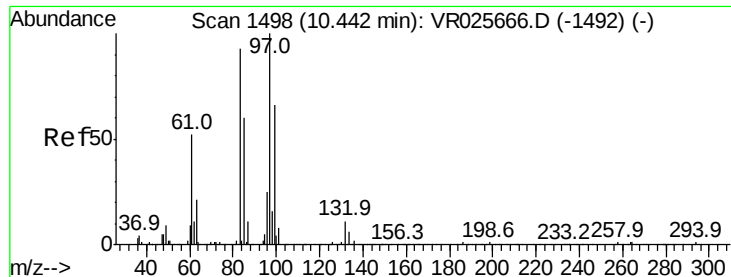
Tgt Ion: 75 Resp: 186483

Ion Ratio Lower Upper

75 100

77 29.6 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 5.001 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

Tgt Ion: 97 Resp: 112959

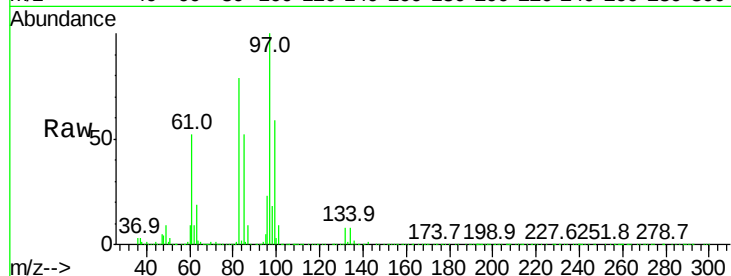
Ion Ratio Lower Upper

97 100

99 59.0 41.2 76.6

83 79.1 60.1 111.7

85 52.2 34.3 63.7

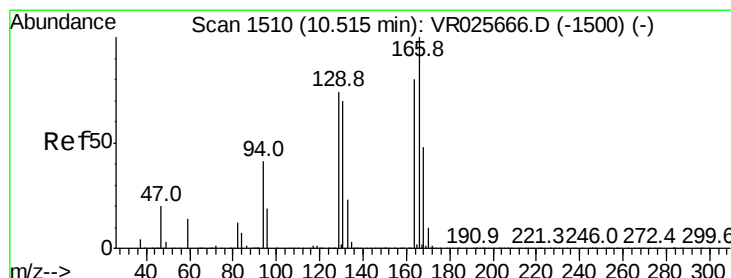
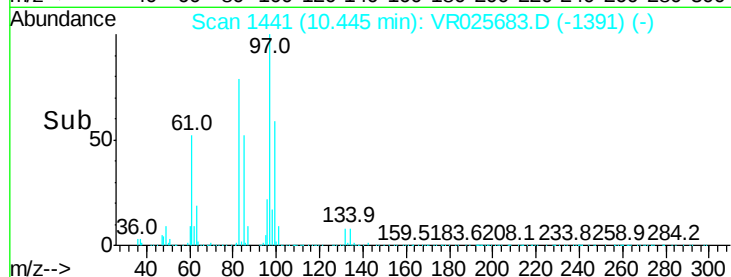
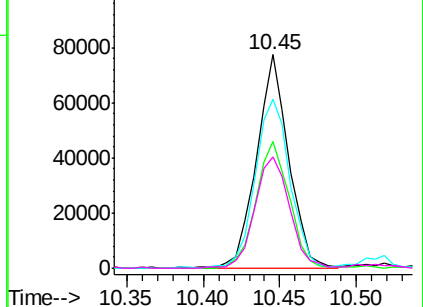


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 5.229 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Tgt Ion: 164 Resp: 213585

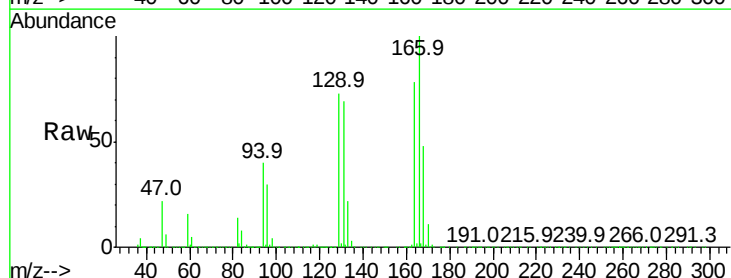
Ion Ratio Lower Upper

164 100

129 93.7 68.7 127.5

131 88.8 66.4 123.4

166 128.1 84.6 157.0

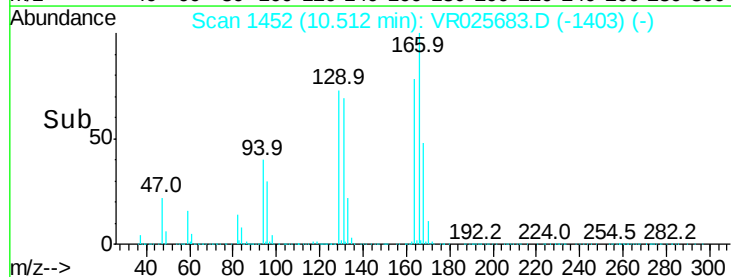
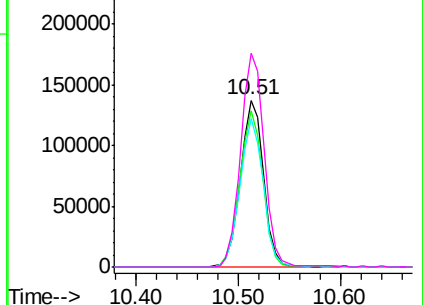


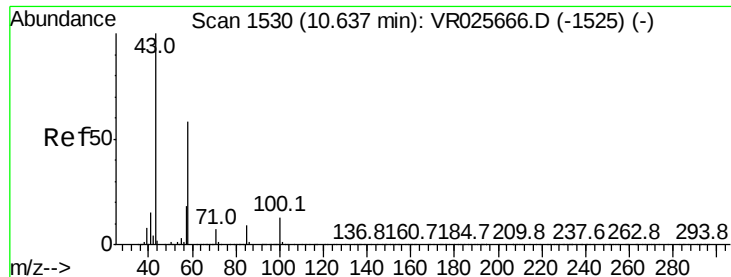
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

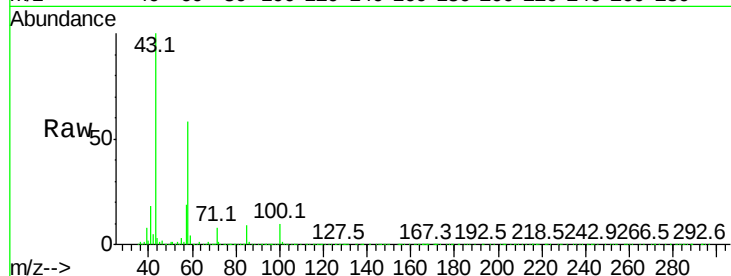




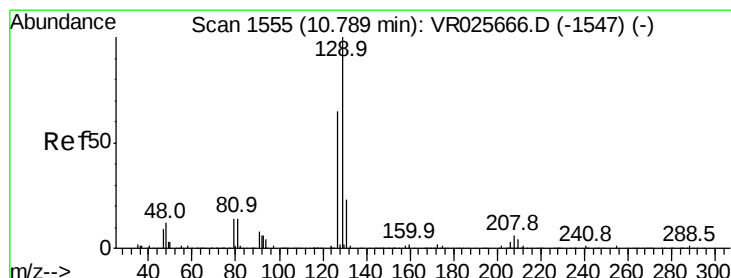
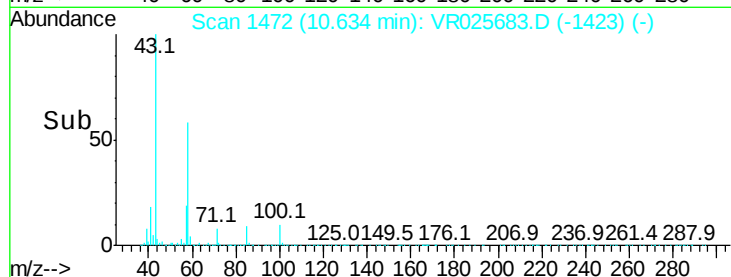
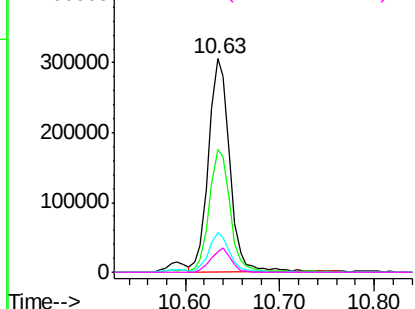
#48
2-Hexanone
Concen: 55.249 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

Tgt Ion: 43 Resp: 477574
Ion Ratio Lower Upper
43 100
58 57.3 46.4 69.6
57 17.7 14.3 21.5
100 10.8 8.8 13.2

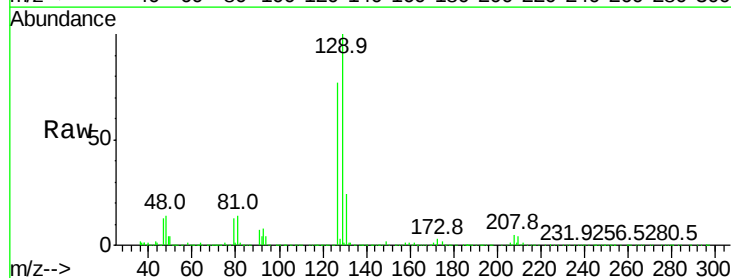


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

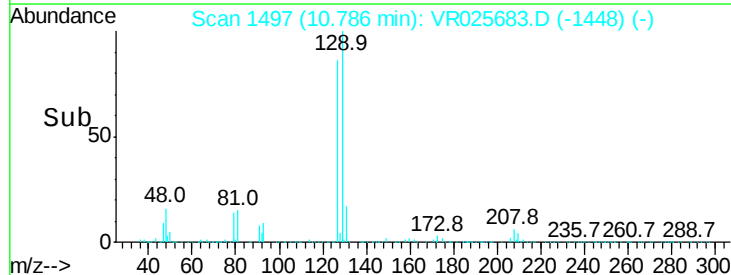
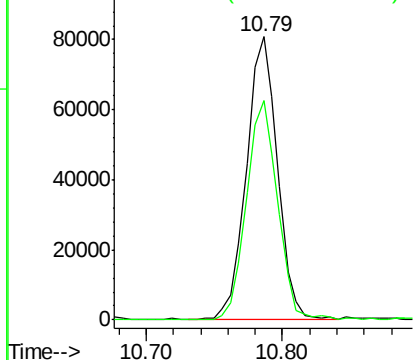


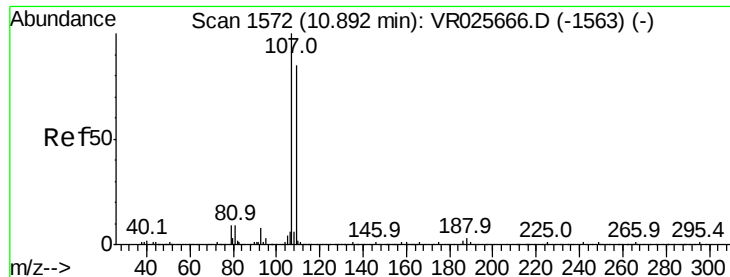
#49
Dibromochloromethane
Concen: 5.306 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

Tgt Ion: 129 Resp: 129136
Ion Ratio Lower Upper
129 100
127 77.3 51.6 95.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

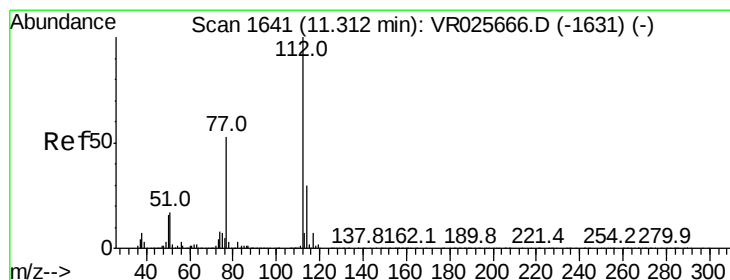
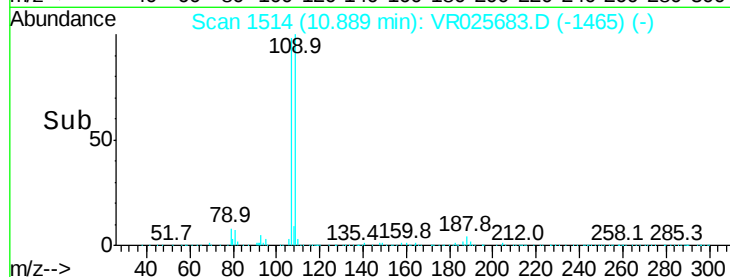
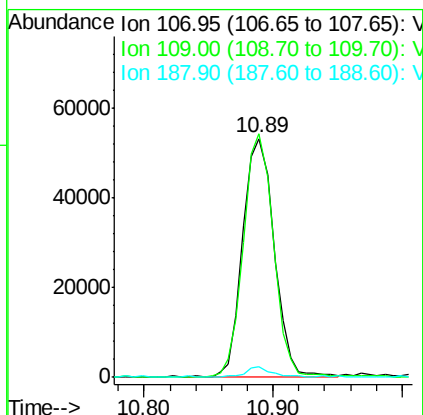
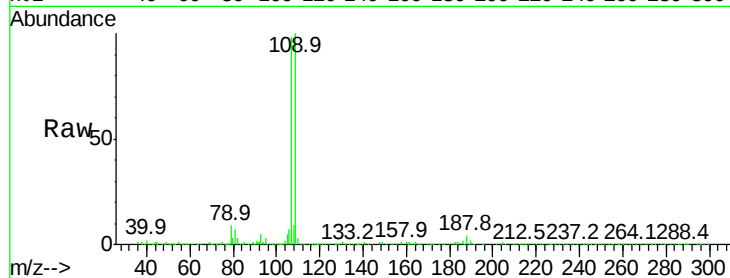




#50
1,2-Dibromoethane
Concen: 5.035 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

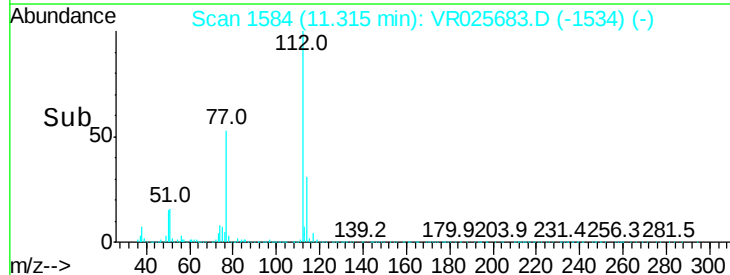
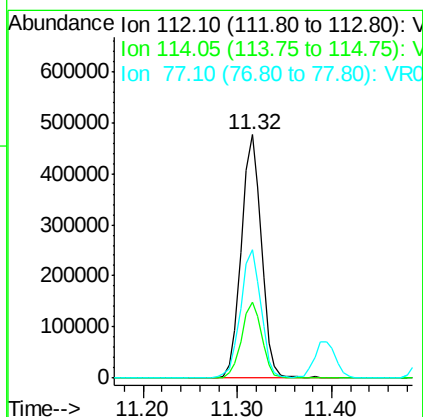
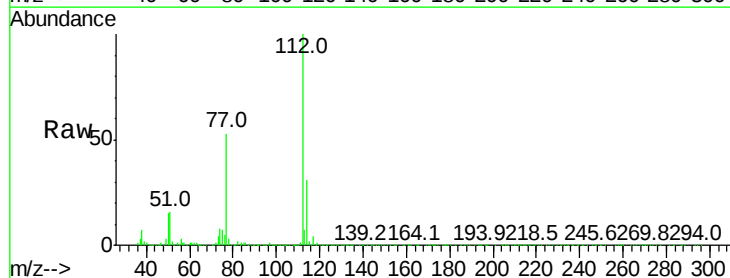
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

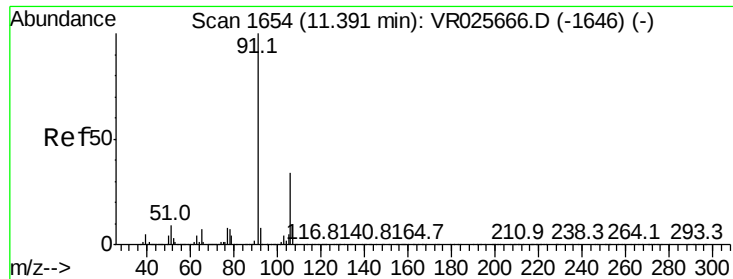
Tgt Ion:107 Resp: 90104
Ion Ratio Lower Upper
107 100
109 101.9 70.1 130.1
188 4.2 2.6 3.8#



#51
Chlorobenzene
Concen: 4.975 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

Tgt Ion:112 Resp: 708599
Ion Ratio Lower Upper
112 100
114 31.2 21.8 40.4
77 53.0 43.0 64.4





#52

Ethylbenzene

Concen: 5.279 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampled :

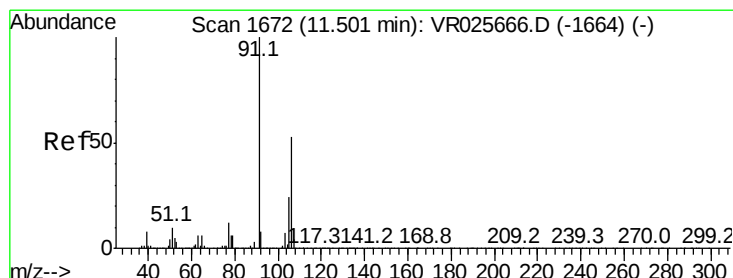
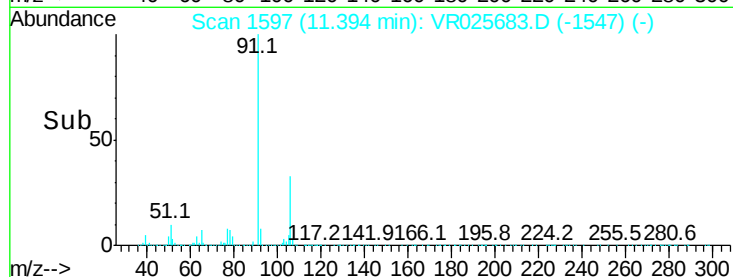
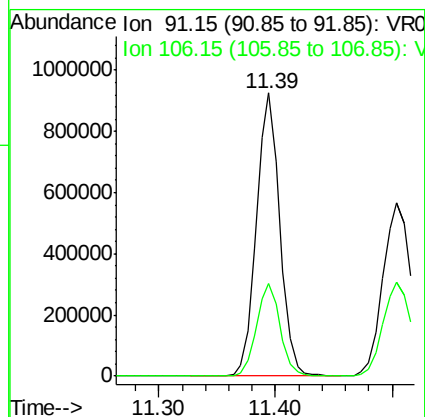
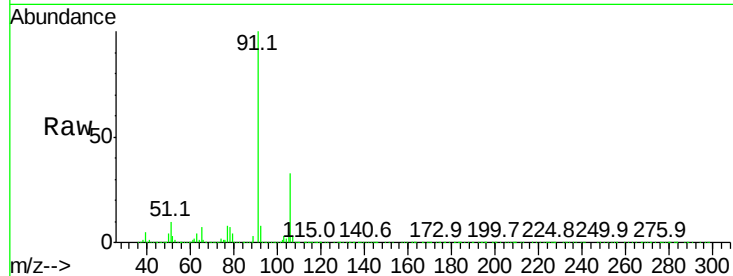
VSTD00593

Tgt Ion: 91 Resp: 1289757

Ion Ratio Lower Upper

91 100

106 32.5 21.9 40.7



#53

m,p-Xylene

Concen: 5.345 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025683.D

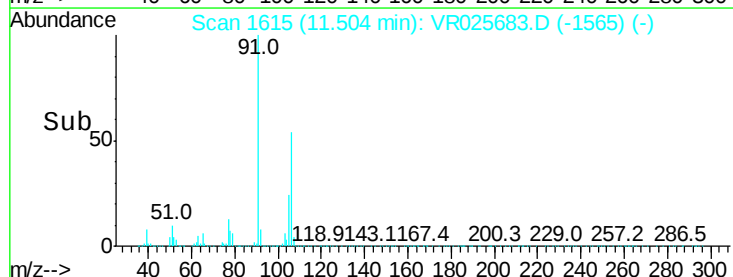
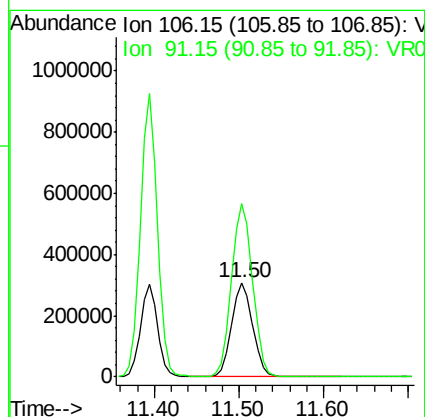
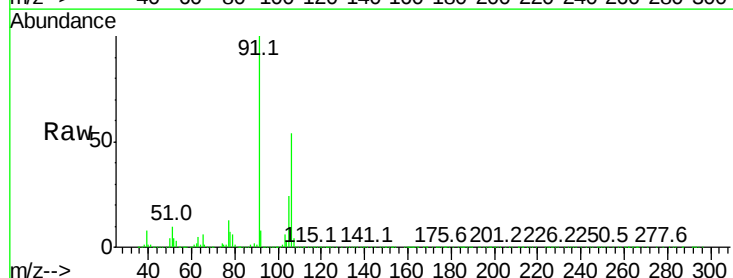
Acq: 7 Sep 2018 10:39

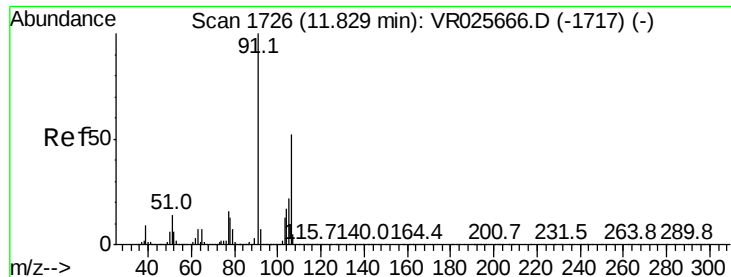
Tgt Ion: 106 Resp: 522962

Ion Ratio Lower Upper

106 100

91 183.8 130.9 243.1

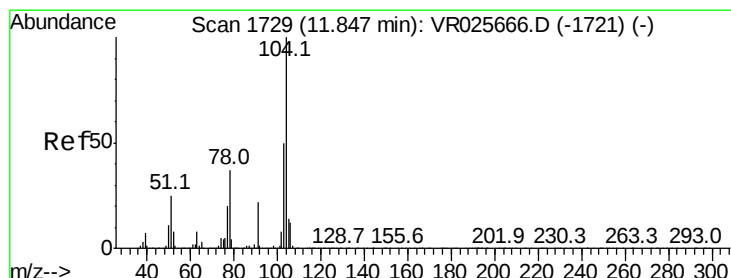
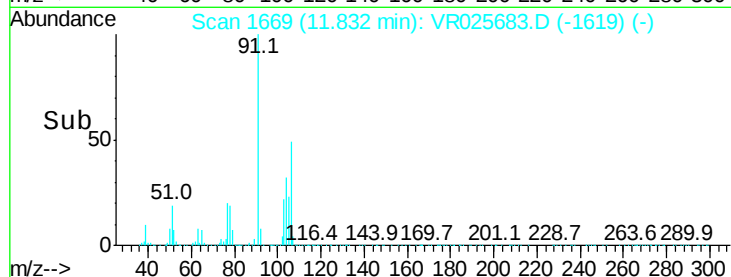
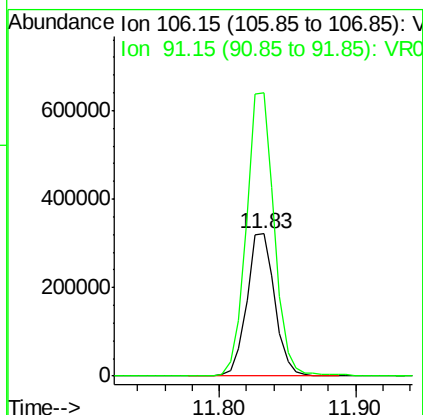
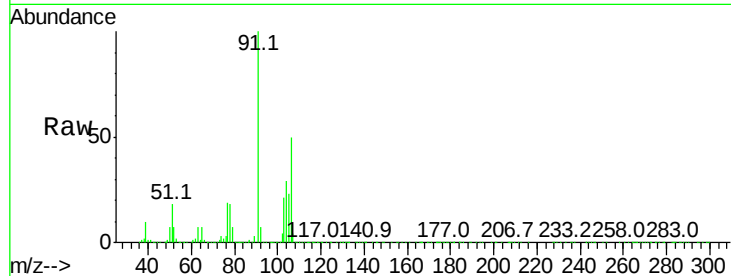




#54
o-Xylene
Concen: 5.320 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

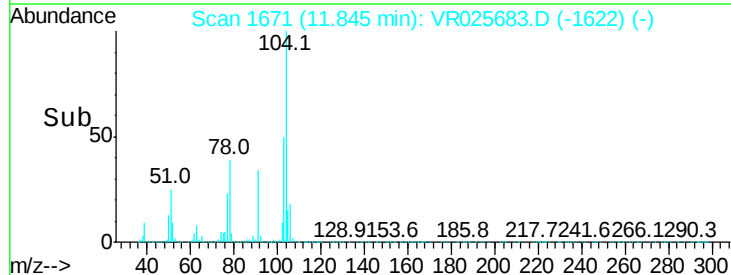
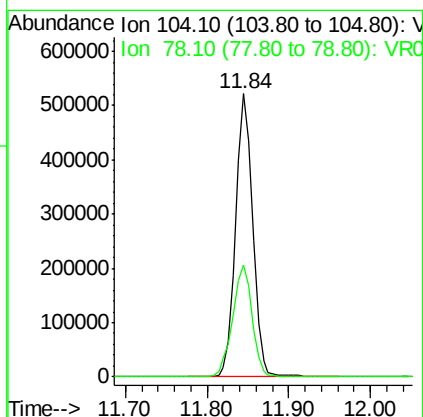
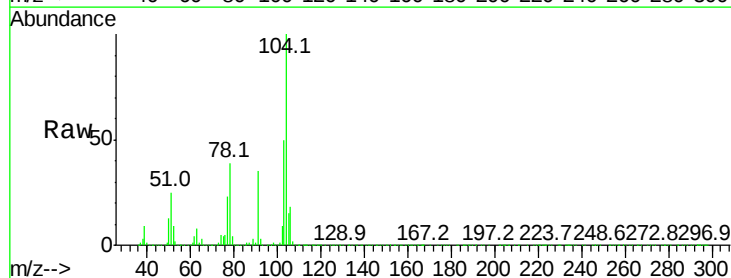
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

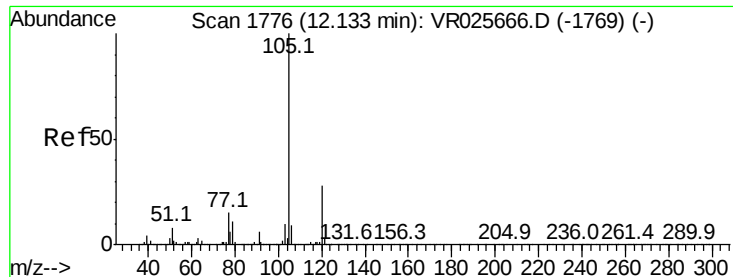
Tgt Ion:106 Resp: 463791
Ion Ratio Lower Upper
106 100
91 198.9 137.5 255.3



#55
Styrene
Concen: 5.309 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025683.D
Acq: 7 Sep 2018 10:39

Tgt Ion:104 Resp: 747716
Ion Ratio Lower Upper
104 100
78 39.4 26.2 48.6





#56

Isopropylbenzene

Concen: 5.450 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

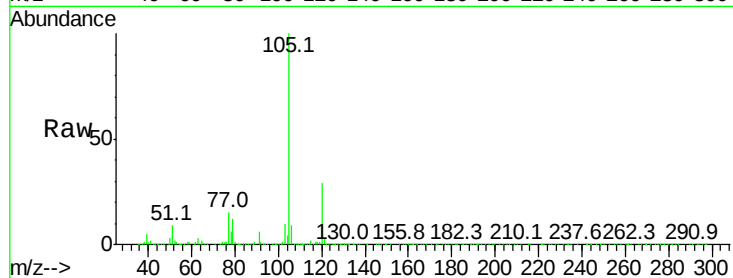
Tgt Ion:105 Resp: 1204424

Ion Ratio Lower Upper

105 100

120 28.5 22.2 33.4

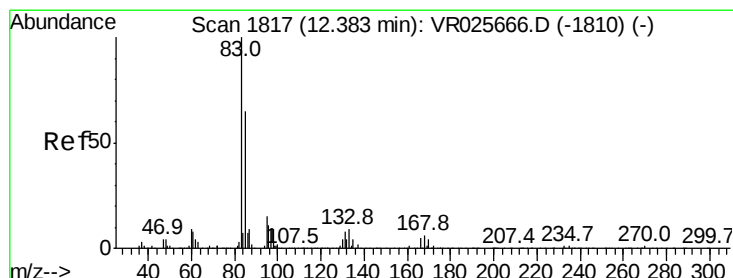
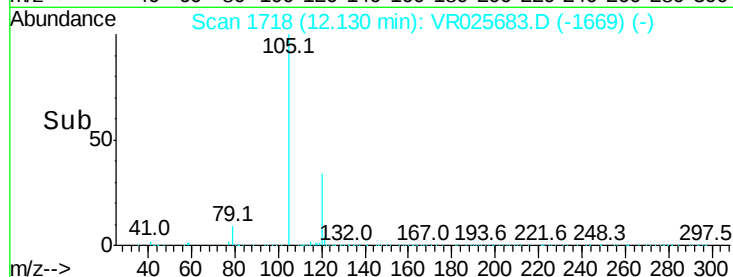
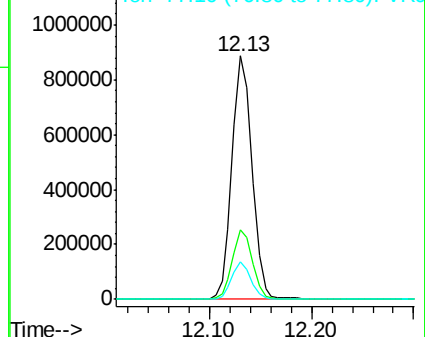
77 14.8 11.6 17.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.628 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

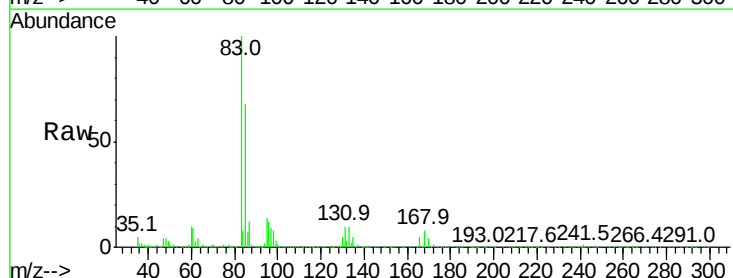
Tgt Ion: 83 Resp: 108032

Ion Ratio Lower Upper

83 100

85 68.4 42.3 78.5

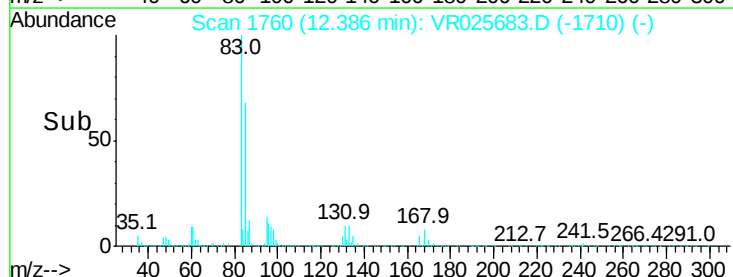
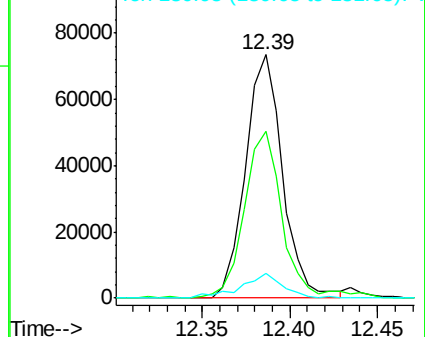
131 10.3 7.8 11.6

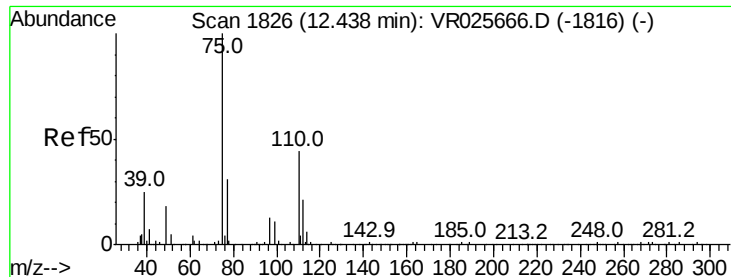


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.653 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

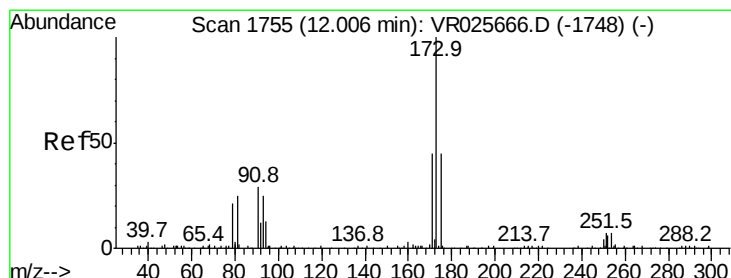
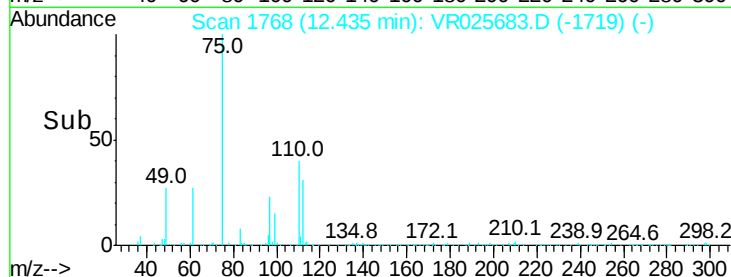
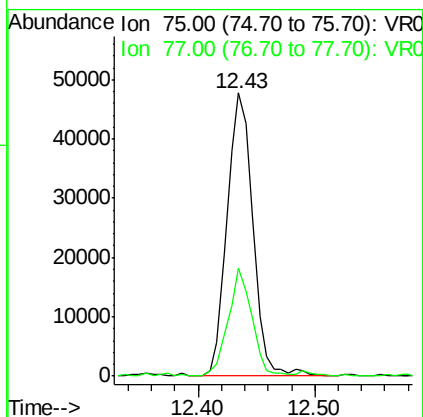
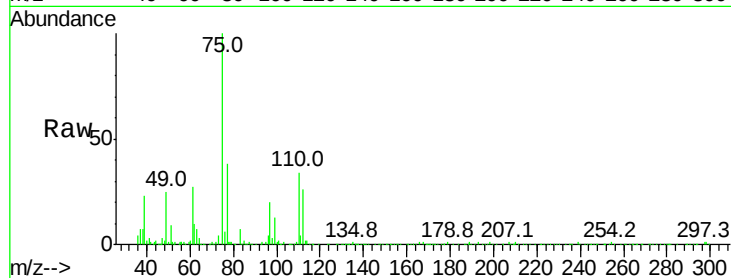
VSTD00593

Tgt Ion: 75 Resp: 73853

Ion Ratio Lower Upper

75 100

77 34.8 23.5 35.3



#61

Bromoform

Concen: 4.902 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

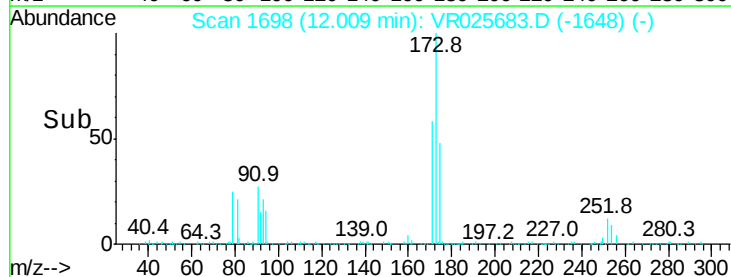
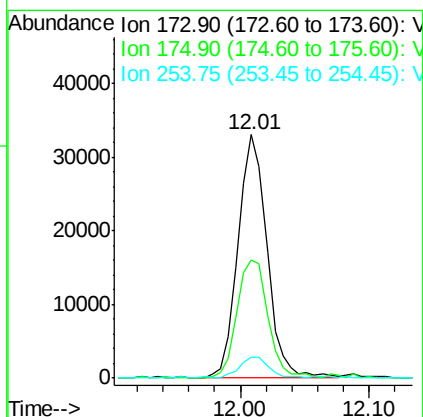
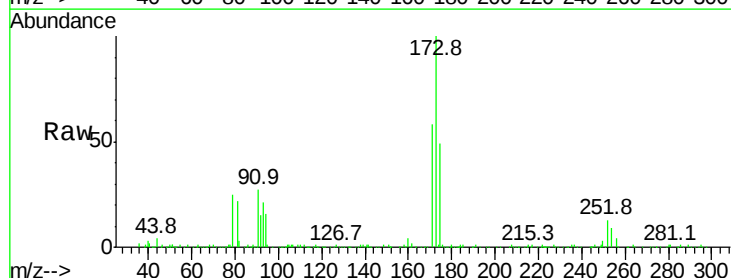
Tgt Ion: 173 Resp: 51264

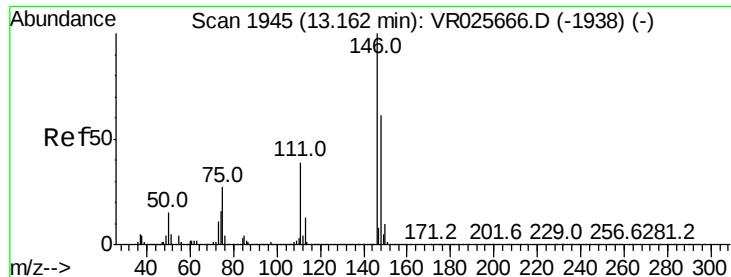
Ion Ratio Lower Upper

173 100

175 52.4 40.4 60.6

254 9.1 9.5 14.3#





#62

1,3-Dichlorobenzene

Concen: 4.911 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

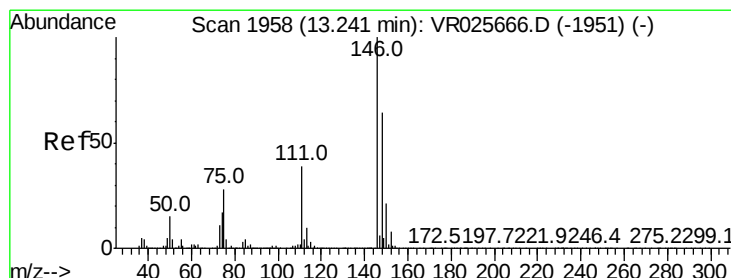
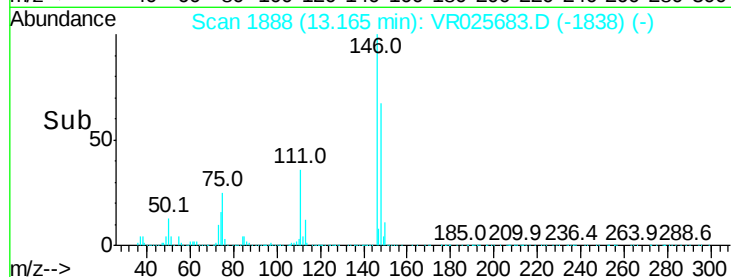
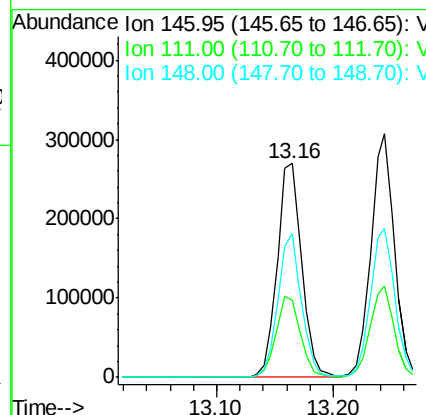
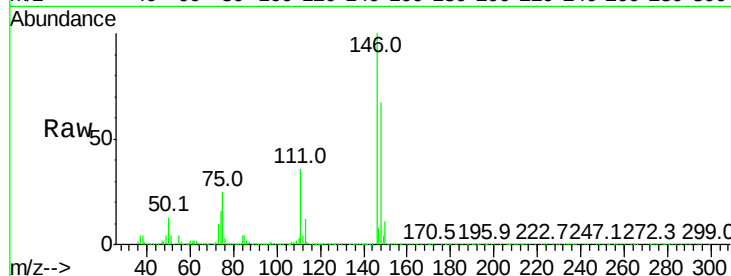
Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

Tgt Ion:	146	Resp:	395140
Ion	Ratio	Lower	Upper
146	100		
111	36.3	24.8	46.1
148	67.0	43.5	80.7



#63

1,4-Dichlorobenzene

Concen: 4.786 ug/L

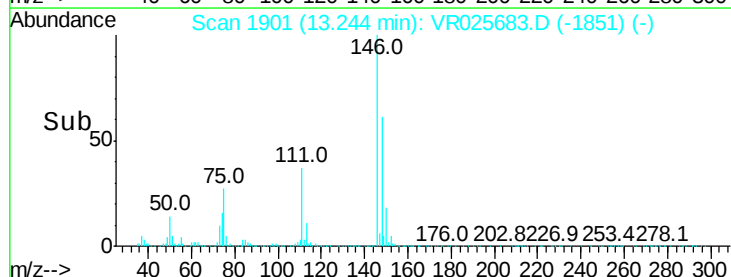
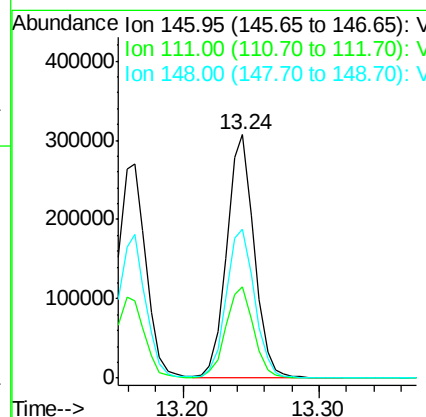
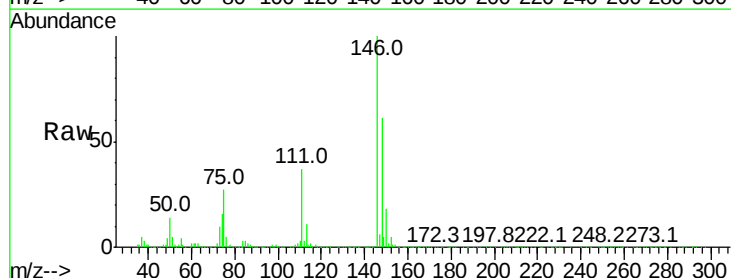
RT: 13.24 min Scan# 1901

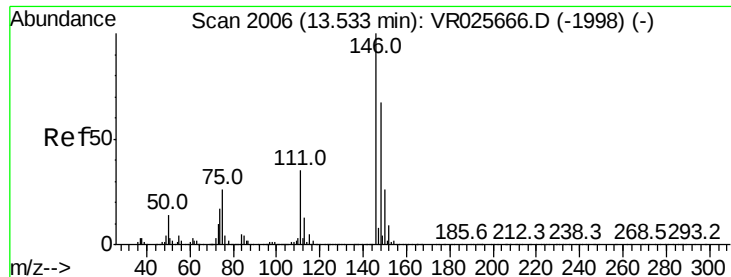
Delta R.T. 0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Tgt Ion:	146	Resp:	427813
Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.7	49.5
148	61.0	44.4	82.5

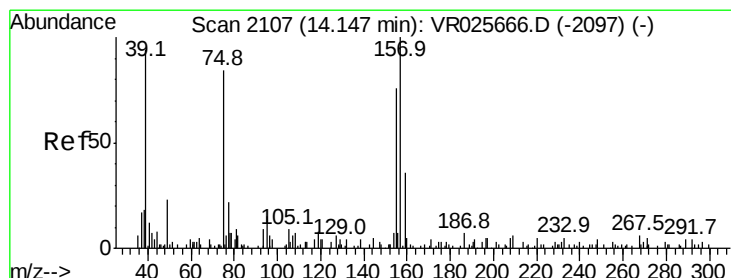
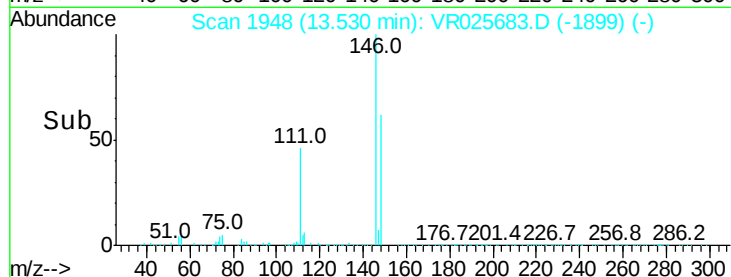
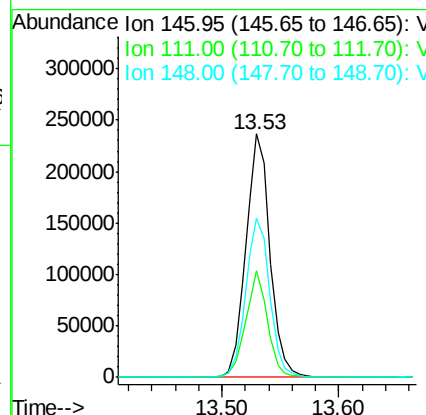
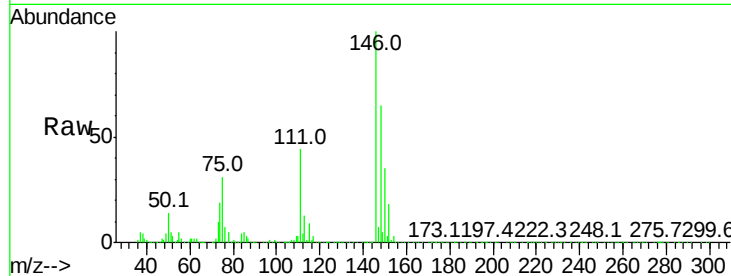




#65
 1,2-Dichlorobenzene
 Concen: 4.911 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025683.D
 Acq: 7 Sep 2018 10:39

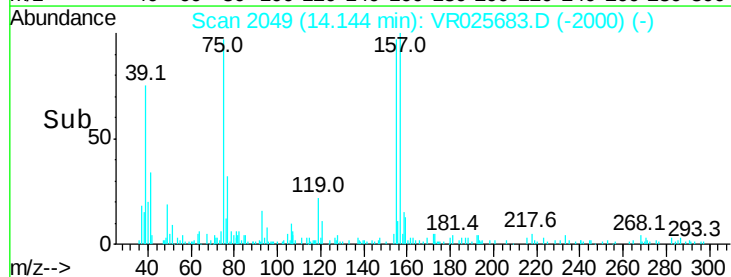
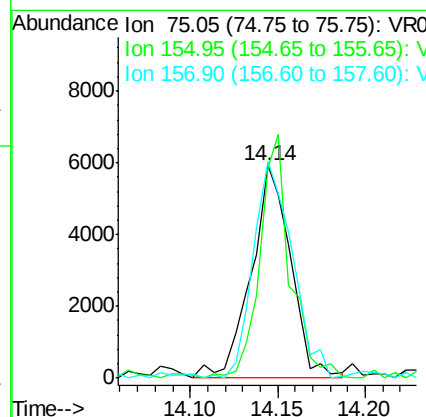
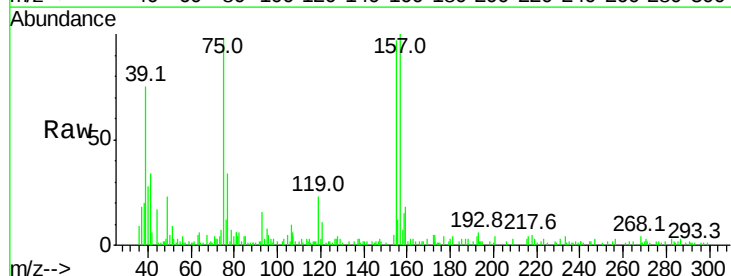
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

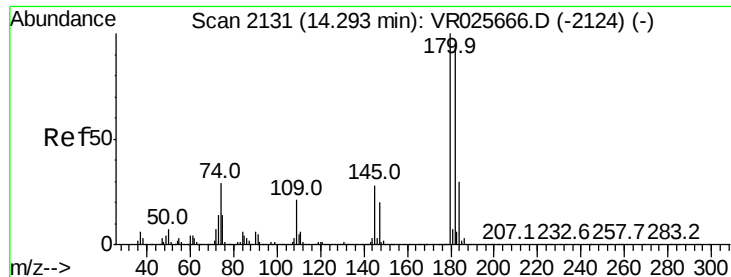
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	31.6	47.4
148	65.1	48.7	73.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.952 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025683.D
 Acq: 7 Sep 2018 10:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	55.2	82.8#
157	101.8	89.4	134.2

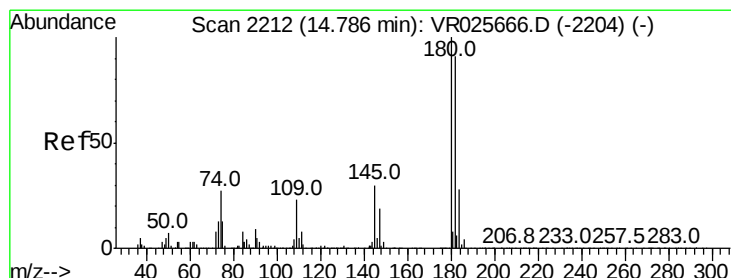
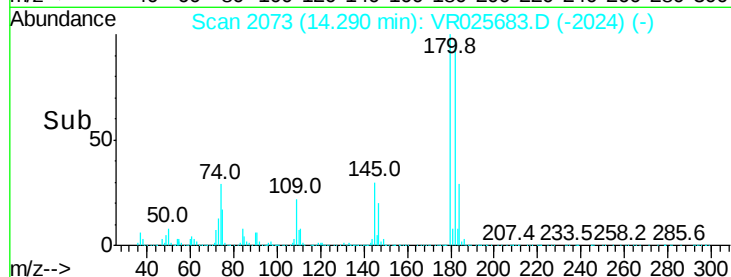
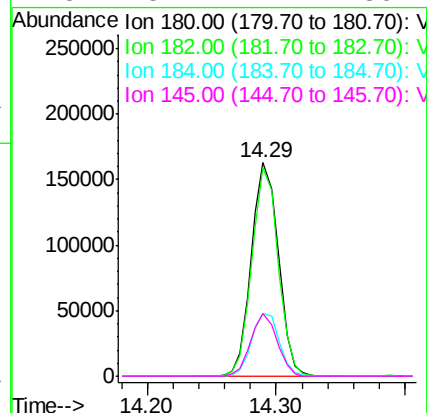
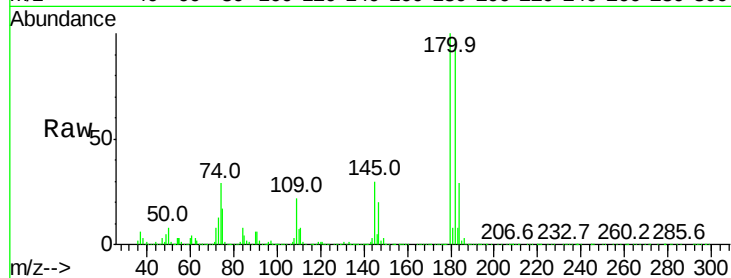




#67
 1,3,5-Trichlorobenzene
 Concen: 5.166 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025683.D
 Acq: 7 Sep 2018 10:39

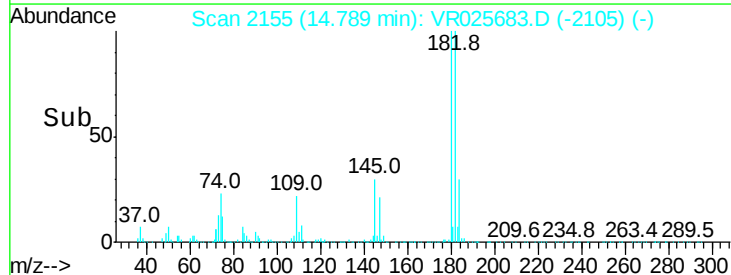
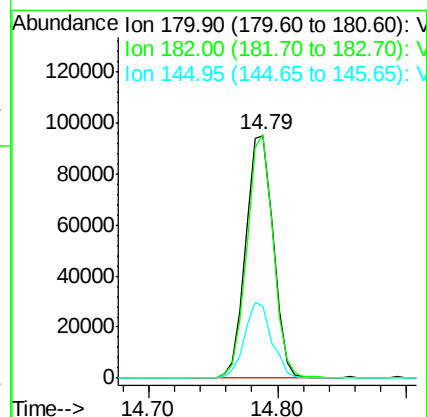
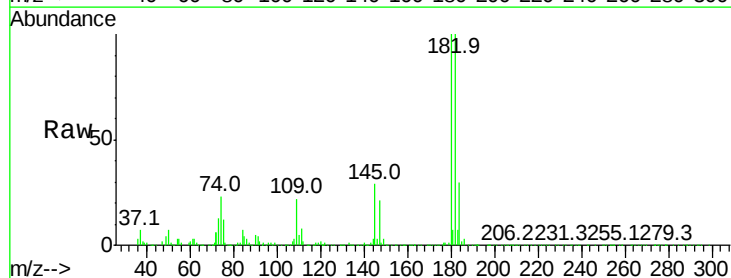
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

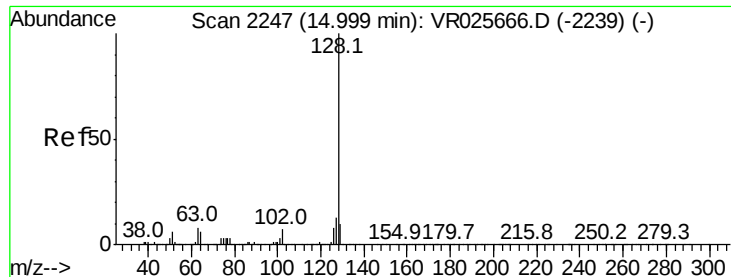
Tgt Ion:	180	Resp:	234883
Ion Ratio	Lower	Upper	
180	100		
182	94.9	74.4	111.6
184	30.0	25.1	37.7
145	28.7	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 4.936 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR025683.D
 Acq: 7 Sep 2018 10:39

Tgt Ion:	180	Resp:	139273
Ion Ratio	Lower	Upper	
180	100		
182	95.8	75.0	112.6
145	31.0	25.4	38.0





#69

Naphthalene

Concen: 4.562 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

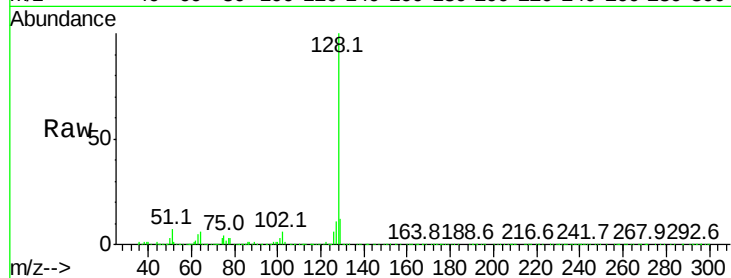
Tgt Ion:128 Resp: 158952

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

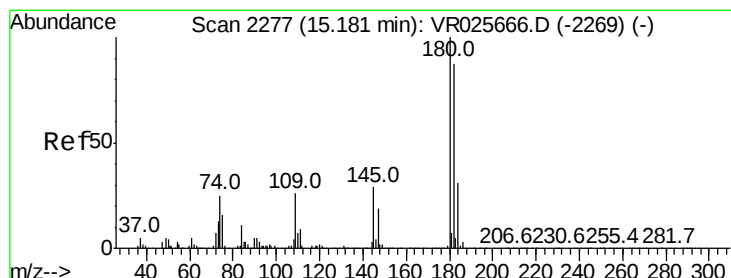
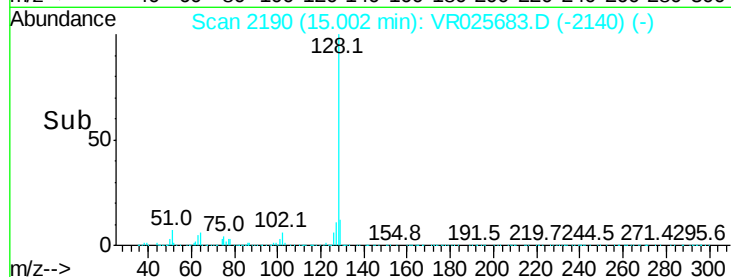
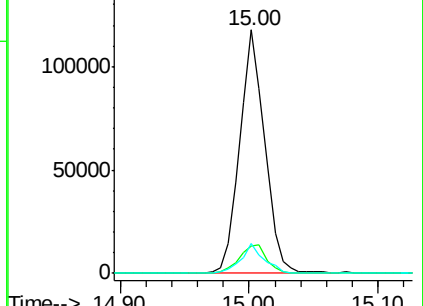
129 11.3 8.9 13.3



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: 4.851 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025683.D

Acq: 7 Sep 2018 10:39

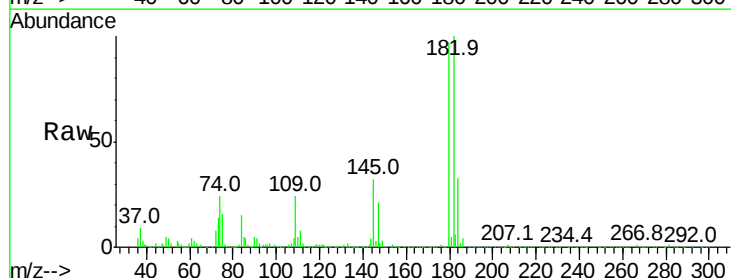
Tgt Ion:180 Resp: 106423

Ion Ratio Lower Upper

180 100

182 100.3 74.4 111.6

145 32.2 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

