

Data File : VR025685.D
Acq On : 7 Sep 2018 11:45
Operator : SY/MD
Sample : VSTD02095
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02095

Quant Time: Sep 07 12:11:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 07 11:33:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	792245	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	715567	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	297123	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	650175	12.60	ug/L	0.00
7) Chloroethane-d5	2.62	69	500728	11.25	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	1772370	13.91	ug/L	0.00
20) 2-Butanone-d5	6.59	46	875531	222.81	ug/L	0.00
24) Chloroform-d	7.20	84	1585727	17.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	559061	17.74	ug/L	0.00
32) Benzene-d6	7.85	84	3992438	17.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	1054346	17.68	ug/L	0.00
41) Toluene-d8	9.97	98	3959124	18.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	282486	20.08	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	1014160	220.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	450885	16.38	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	855468	18.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	847625	19.314 ug/L	99
3) Chloromethane	2.01	50	921221	14.184 ug/L	96
5) Vinyl chloride	2.17	62	956644	15.046 ug/L	93
6) Bromomethane	2.52	94	633530	14.644 ug/L	92
8) Chloroethane	2.66	64	527751	13.494 ug/L	98
9) Trichlorofluoromethane	2.94	101	494604	5.360 ug/L	# 1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	962201	17.113 ug/L	98
12) 1,1-Dichloroethene	3.65	96	923171	14.837 ug/L	98
13) Acetone	3.70	43	456516	186.482 ug/L	98
14) Carbon disulfide	3.96	76	2513172	15.519 ug/L	95
15) Methyl Acetate	4.20	43	147167	15.901 ug/L	99
16) Methylene chloride	4.40	84	771554	13.819 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	1450343	22.735 ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	1325917	20.180 ug/L	96
19) 1,1-Dichloroethane	5.69	63	2014635	19.838 ug/L	99
21) 2-Butanone	6.69	43	1220233	252.938 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	1256852	22.258 ug/L	# 97
23) Bromochloromethane	7.06	128	363025	20.973 ug/L	92
25) Chloroform	7.23	83	1824883	20.683 ug/L	98
27) 1,2-Dichloroethane	7.99	62	726757	22.026 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	1422633	20.436 ug/L	100
30) Cyclohexane	7.52	56	2144614	23.945 ug/L	96
31) Carbon tetrachloride	7.63	117	1394219	22.820 ug/L	97
33) Benzene	7.91	78	5324244	20.374 ug/L	100
34) Trichloroethene	8.71	95	1274903	21.298 ug/L	96
35) Methylcyclohexane	8.95	83	2349384	24.127 ug/L	99
37) 1,2-Dichloropropane	9.00	63	1178414	20.543 ug/L	100
38) Bromodichloromethane	9.28	83	1067913	21.330 ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	1466333	24.940 ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	3387576	243.785 ug/L	95

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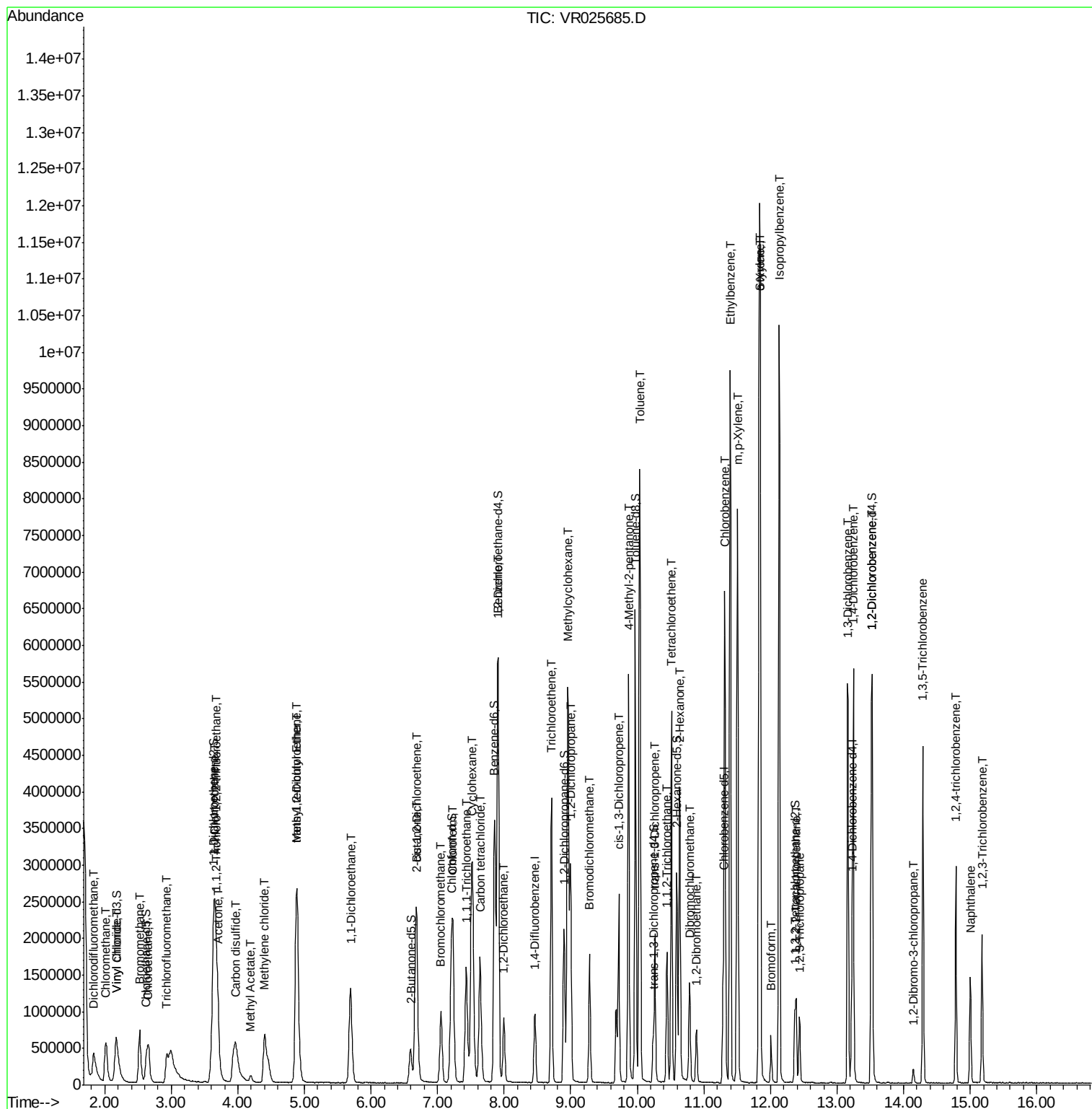
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	5676677	22.139	ug/L	94
44) trans-1,3-Dichloropropene	10.26	75	995665	23.994	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	524365	20.718	ug/L	92
47) Tetrachloroethene	10.51	164	1040995	22.743	ug/L	95
48) 2-Hexanone	10.63	43	2303650	237.821	ug/L	97
49) Dibromochloromethane	10.79	129	634499	23.263	ug/L	98
50) 1,2-Dibromoethane	10.89	107	435491	21.717	ug/L #	92
51) Chlorobenzene	11.32	112	3328484	20.853	ug/L	94
52) Ethylbenzene	11.39	91	6075966	22.193	ug/L	92
53) m,p-Xylene	11.50	106	2597113	23.686	ug/L	99
54) o-Xylene	11.83	106	2410911	24.680	ug/L	94
55) Styrene	11.84	104	3747058	23.743	ug/L	93
56) Isopropylbenzene	12.13	105	5890369	23.785	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	514657	19.674	ug/L #	91
59) 1,2,3-Trichloropropane	12.43	75	350147	19.687	ug/L	97
61) Bromoform	12.01	173	267525	22.406	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	2048698	22.305	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	2051241	20.101	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	1636159	20.688	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	45801	21.391	ug/L #	88
67) 1,3,5-Trichlorobenzene	14.29	180	1205740	23.231	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	781716	24.267	ug/L	99
69) Naphthalene	15.00	128	1018171	25.595	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	571837	22.834	ug/L	96

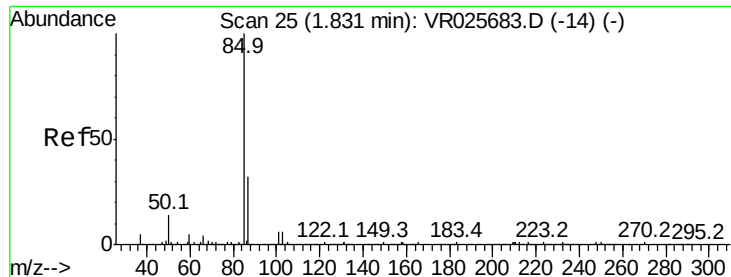
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.314 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

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Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

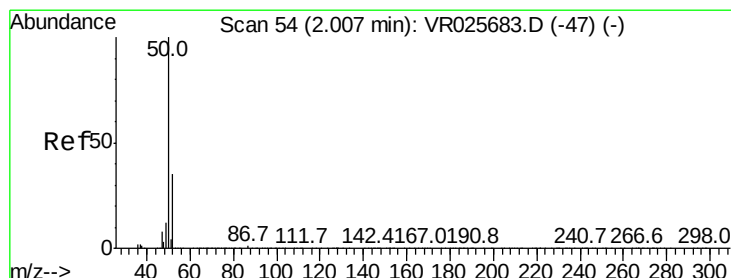
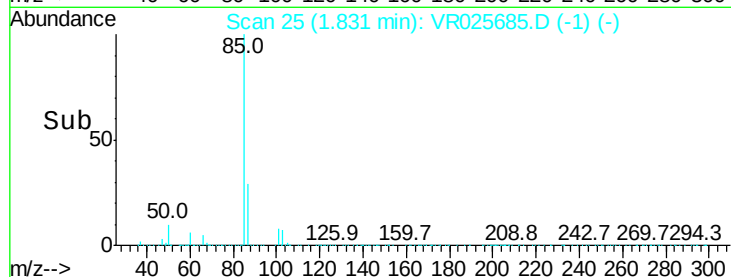
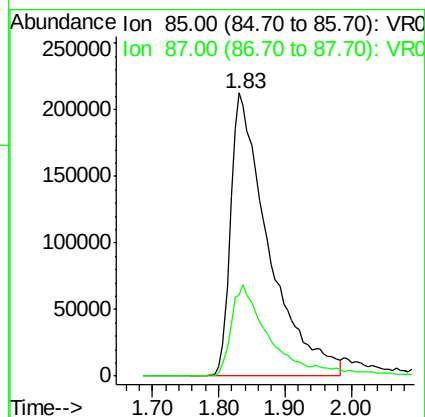
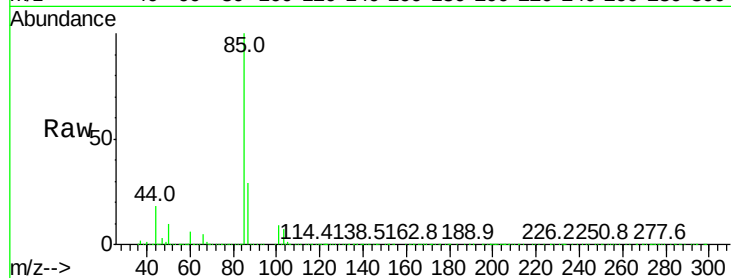
VSTD02095

Tgt Ion: 85 Resp: 847625

Ion Ratio Lower Upper

85 100

87 32.4 25.3 37.9



#3

Chloromethane

Concen: 14.184 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR025685.D

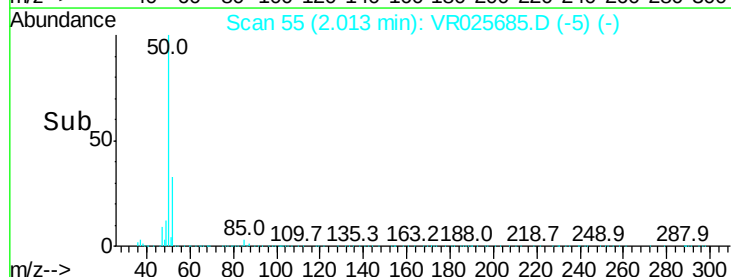
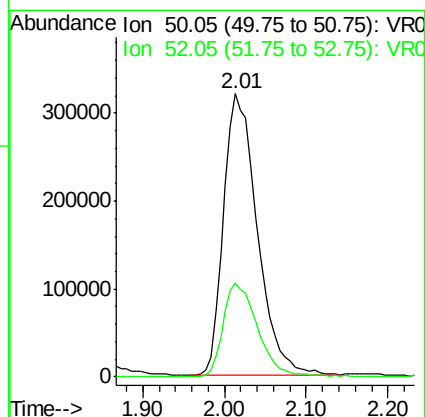
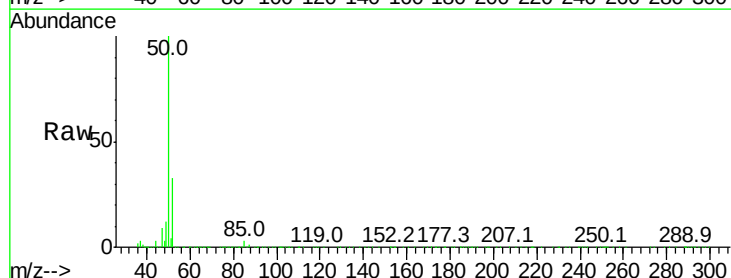
Acq: 7 Sep 2018 11:45

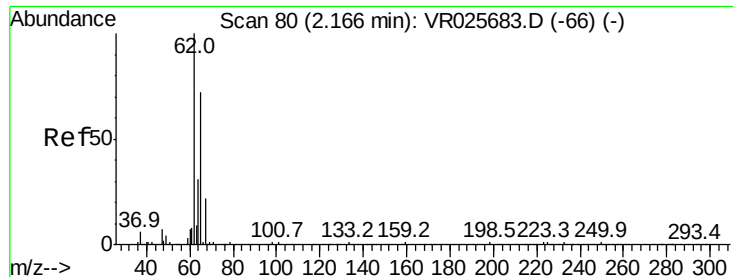
Tgt Ion: 50 Resp: 921221

Ion Ratio Lower Upper

50 100

52 33.1 24.6 45.8





#5

Vinyl chloride

Concen: 15.046 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

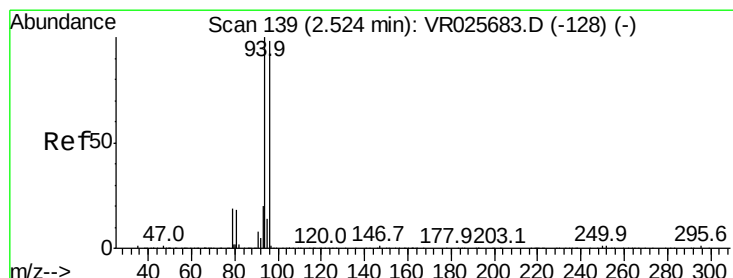
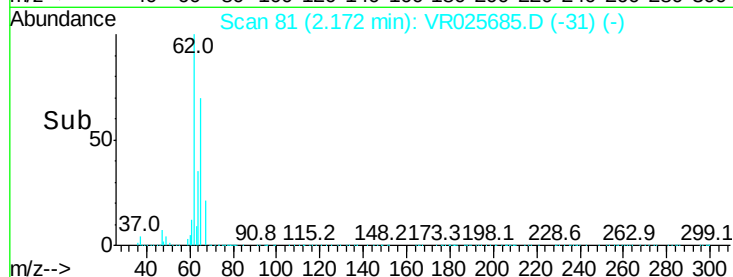
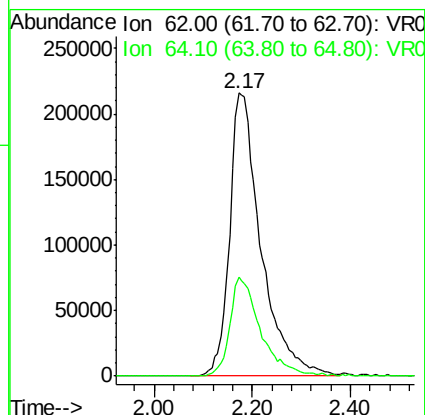
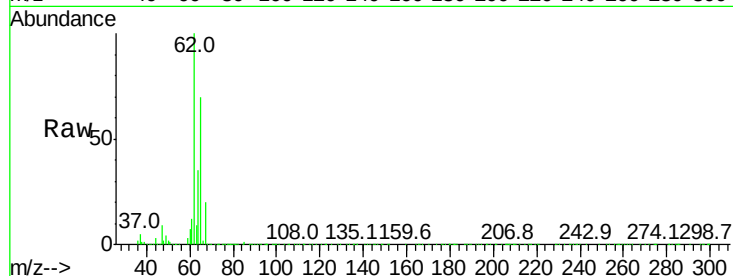
VSTD02095

Tgt Ion: 62 Resp: 956644

Ion Ratio Lower Upper

62 100

64 35.1 22.0 40.8



#6

Bromomethane

Concen: 14.644 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025685.D

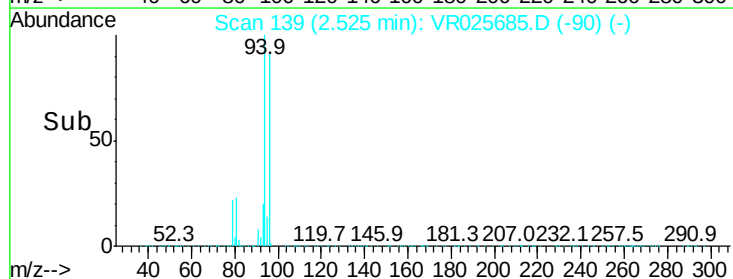
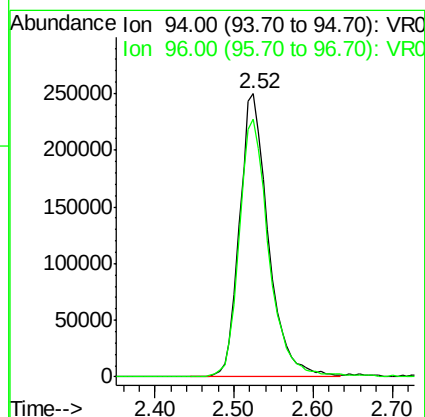
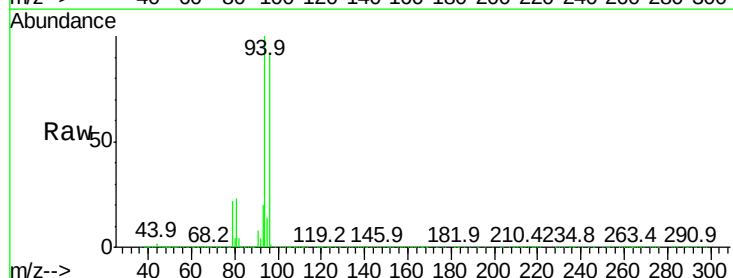
Acq: 7 Sep 2018 11:45

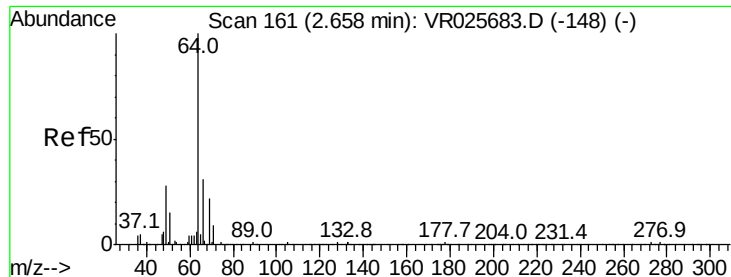
Tgt Ion: 94 Resp: 633530

Ion Ratio Lower Upper

94 100

96 91.0 68.9 127.9

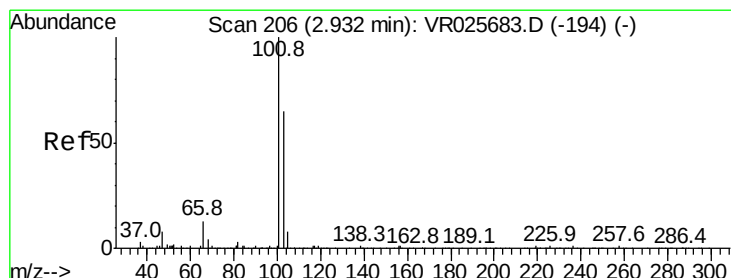
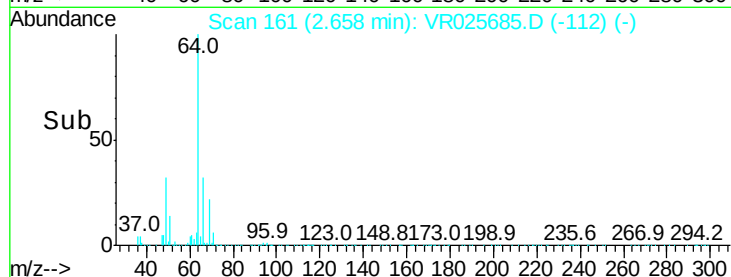
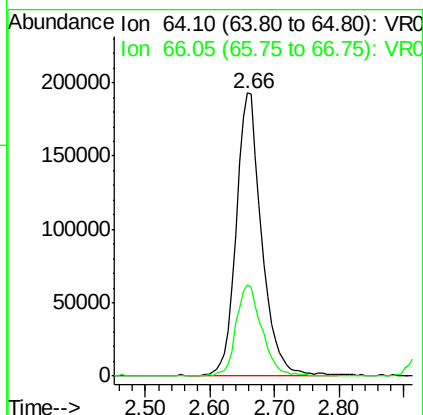
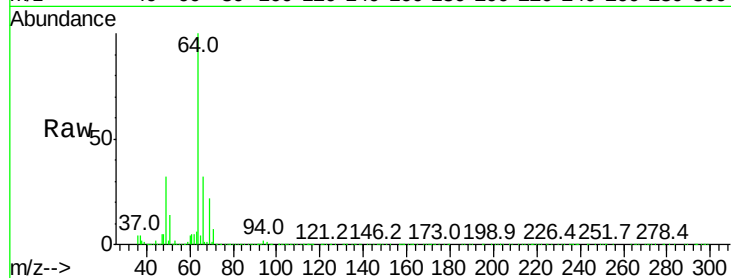




#8
Chloroethane
Concen: 13.494 ug/L
RT: 2.66 min Scan# 161
Delta R.T. 0.00 min
Lab File: VR025685.D
Acq: 7 Sep 2018 11:45

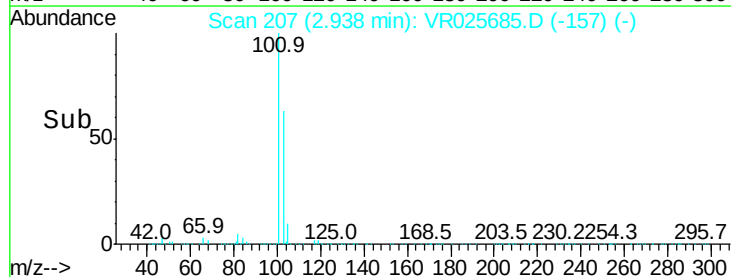
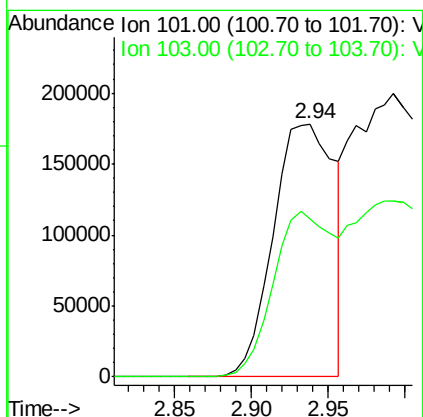
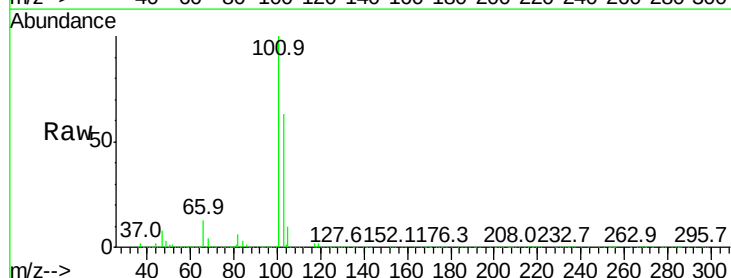
Instrument :
MSVOA_R
ClientSampleId :
VSTD02095

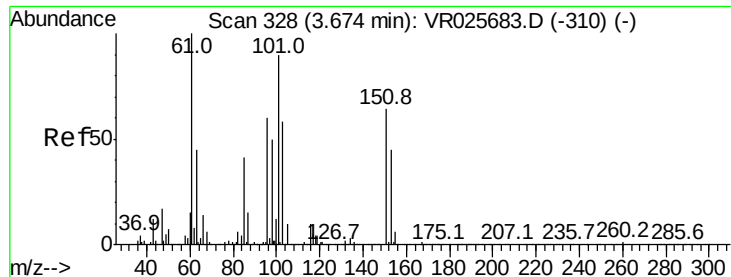
Tgt Ion: 64 Resp: 527751
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.360 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR025685.D
Acq: 7 Sep 2018 11:45

Tgt Ion: 101 Resp: 494604
Ion Ratio Lower Upper
101 100
103 64.4 13.2 19.8#





#10

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

Concen: 17.113 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD02095

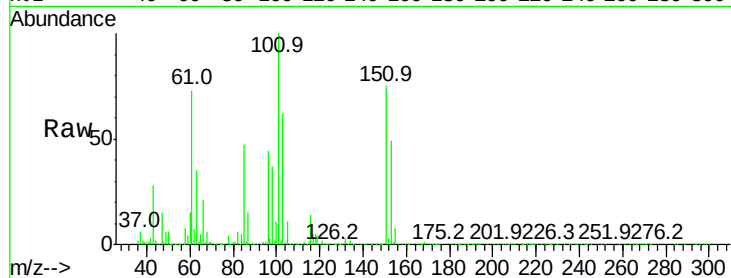
Tgt Ion: 101 Resp: 962201

Ion Ratio Lower Upper

101 100

85 47.1 38.1 57.1

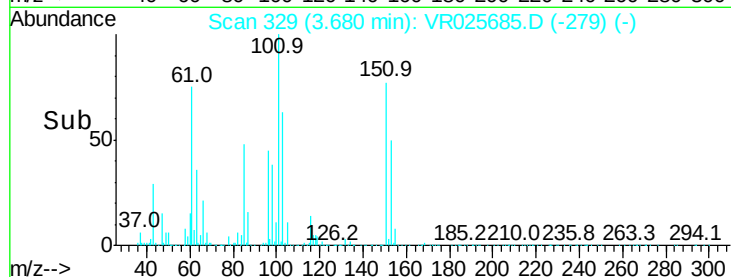
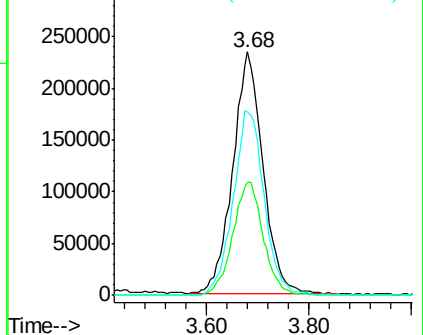
151 77.9 60.3 90.5



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: 14.837 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

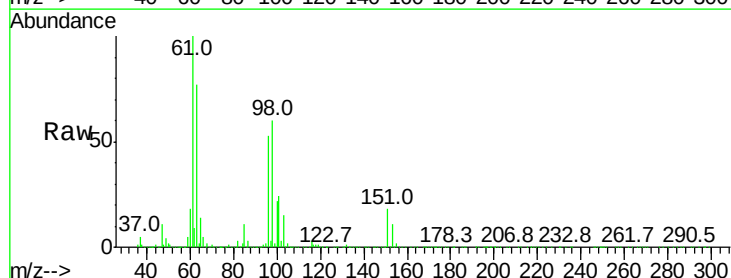
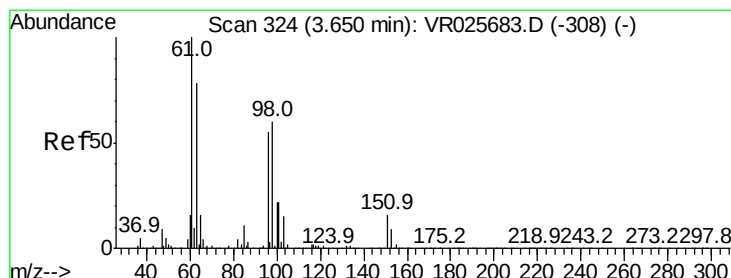
Tgt Ion: 96 Resp: 923171

Ion Ratio Lower Upper

96 100

61 187.5 128.4 238.4

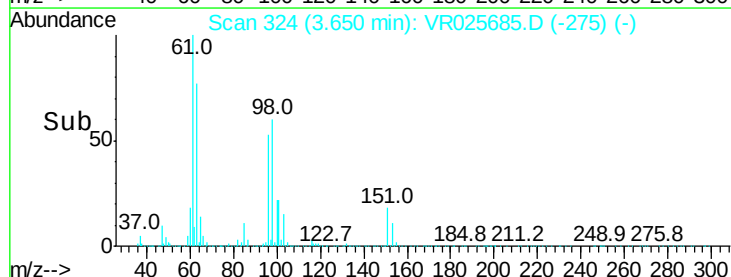
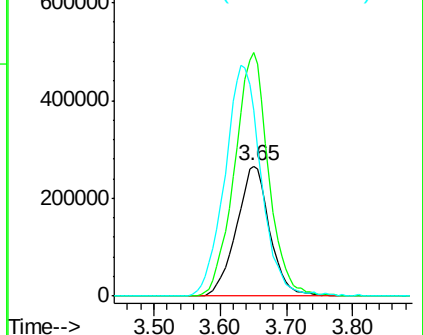
63 143.6 101.1 187.7

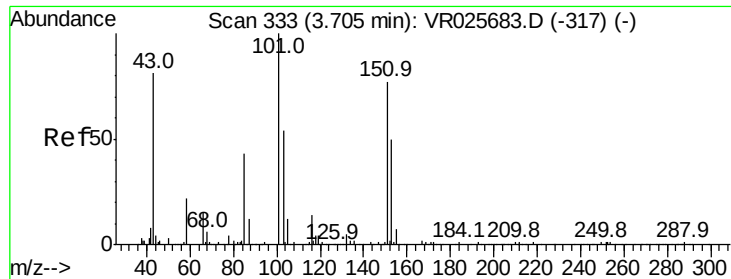


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 186.482 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

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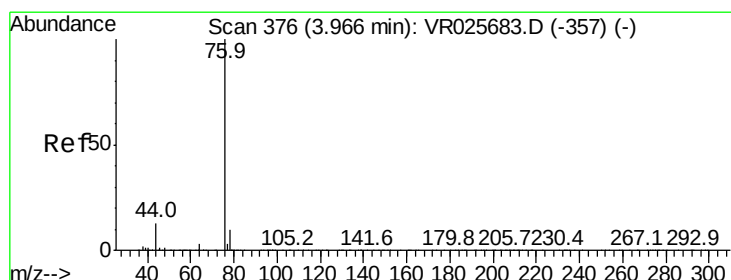
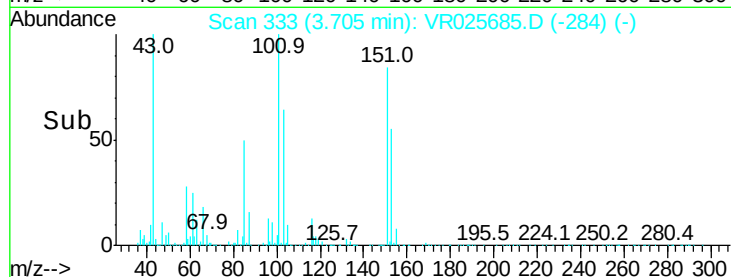
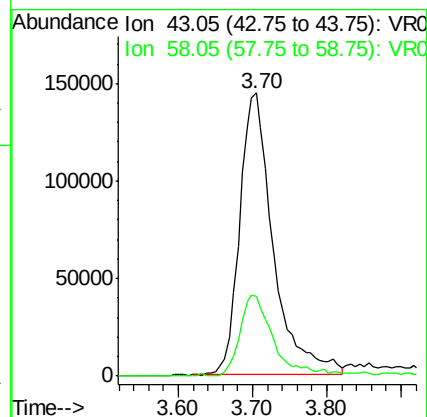
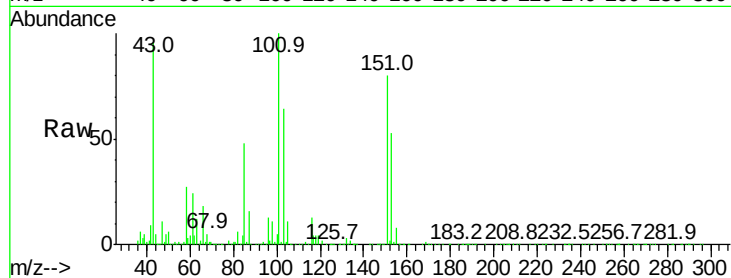
VSTD02095

Tgt Ion: 43 Resp: 456516

Ion Ratio Lower Upper

43 100

58 27.8 0.0 53.6



#14

Carbon disulfide

Concen: 15.519 ug/L

RT: 3.96 min Scan# 375

Delta R.T. -0.01 min

Lab File: VR025685.D

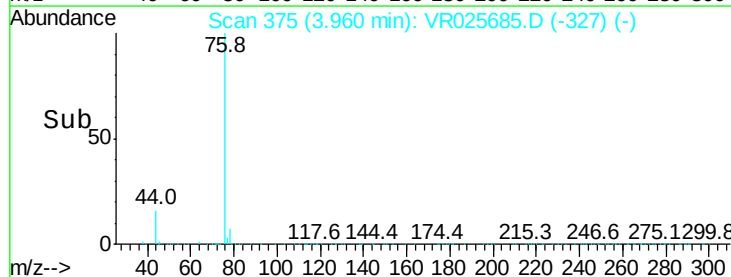
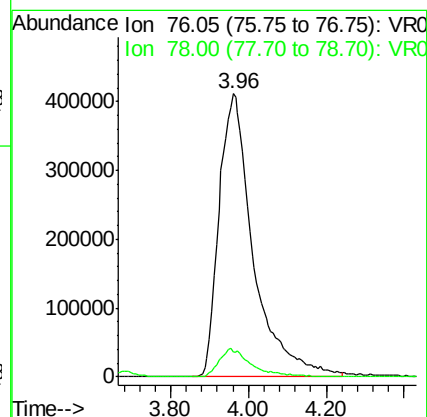
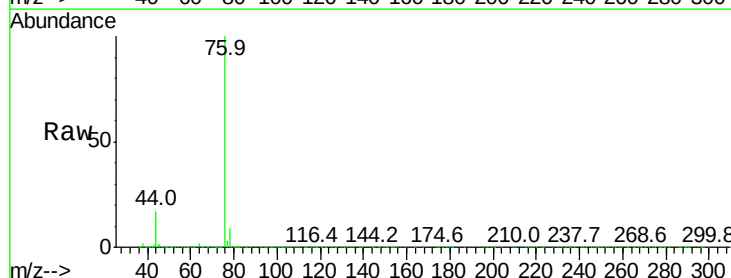
Acq: 7 Sep 2018 11:45

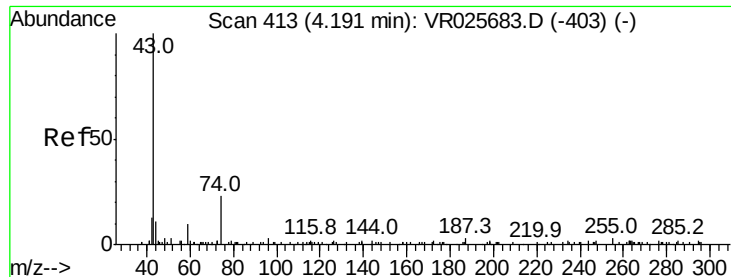
Tgt Ion: 76 Resp: 2513172

Ion Ratio Lower Upper

76 100

78 8.8 8.6 12.8

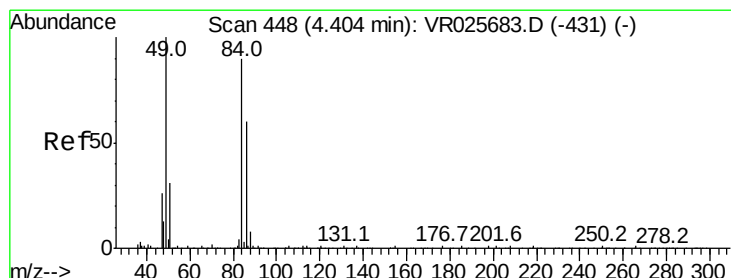
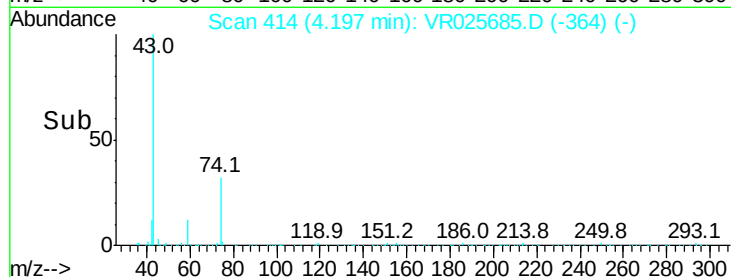
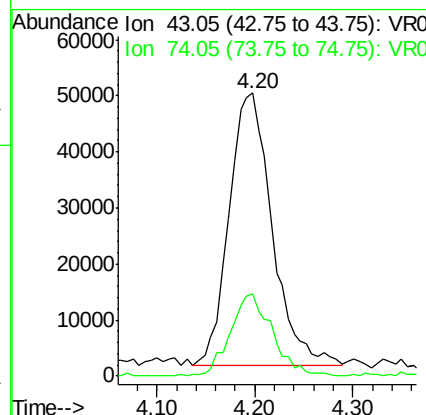
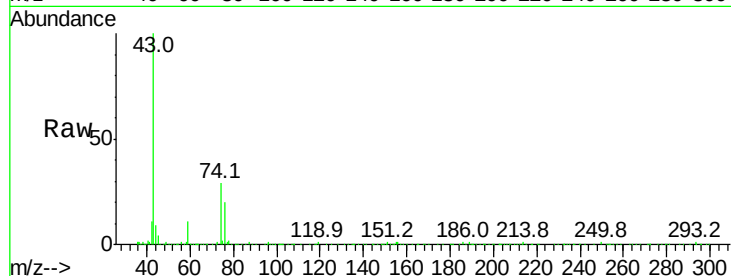




#15
Methyl Acetate
Concen: 15.901 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR025685.D
Acq: 7 Sep 2018 11:45

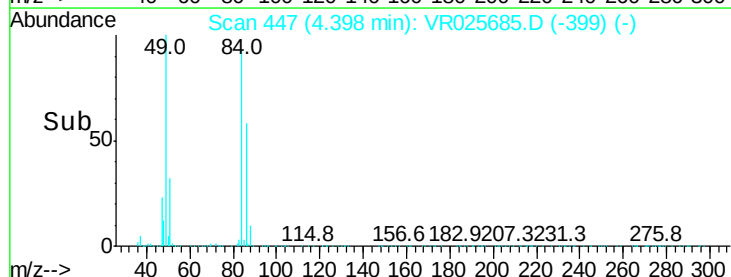
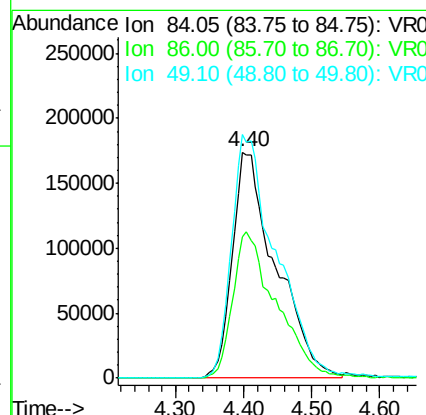
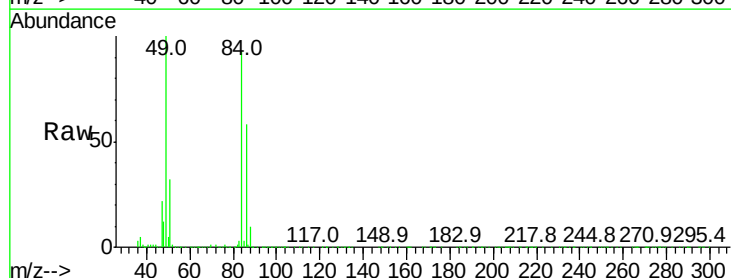
Instrument :
MSVOA_R
ClientSampleId :
VSTD02095

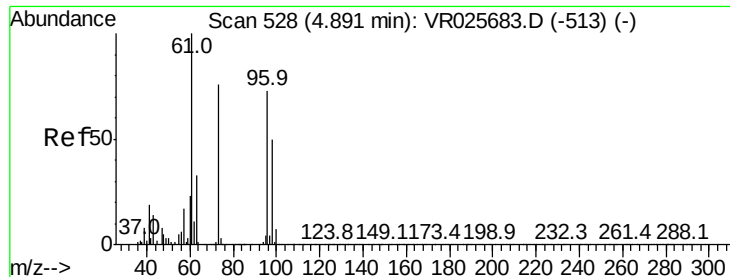
Tgt Ion: 43 Resp: 147167
Ion Ratio Lower Upper
43 100
74 30.0 24.2 36.4



#16
Methylene chloride
Concen: 13.819 ug/L
RT: 4.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: VR025685.D
Acq: 7 Sep 2018 11:45

Tgt Ion: 84 Resp: 771554
Ion Ratio Lower Upper
84 100
86 62.6 46.5 86.3
49 107.8 77.4 143.8

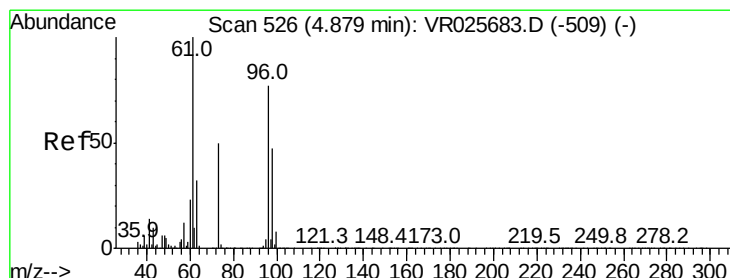
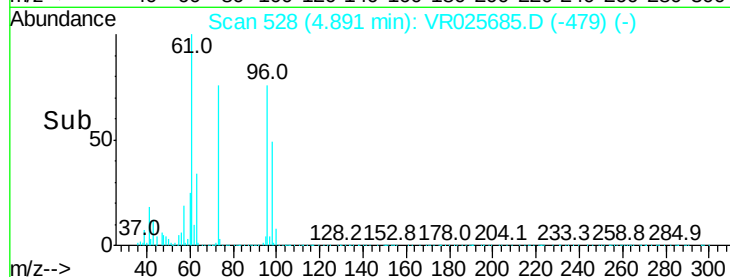
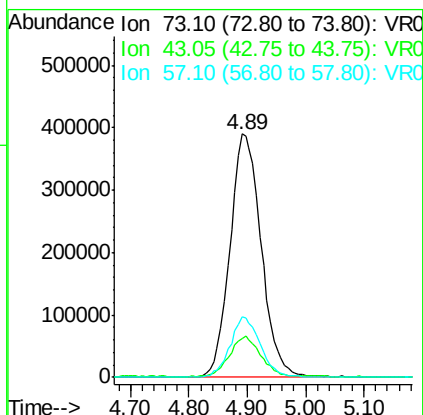
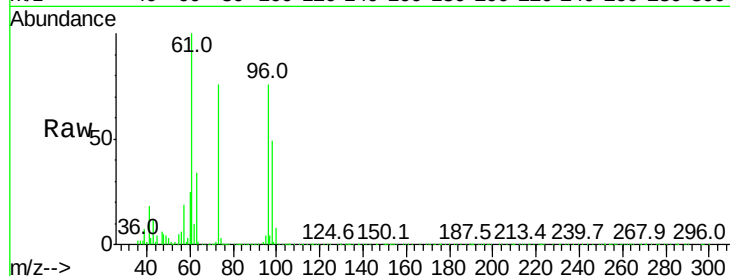




#17
Methyl tert-butyl Ether
Concen: 22.735 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR025685.D
Acq: 7 Sep 2018 11:45

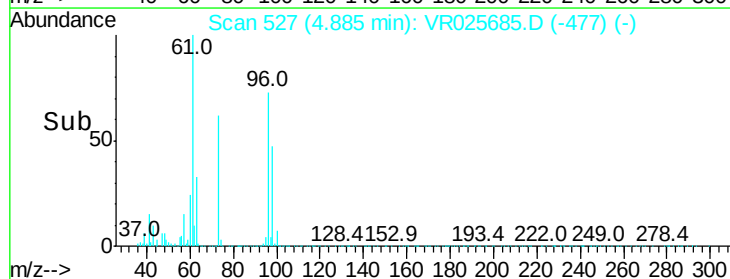
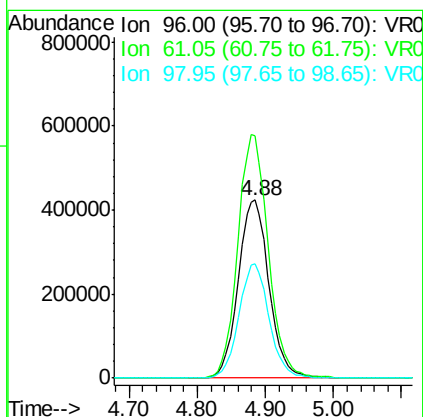
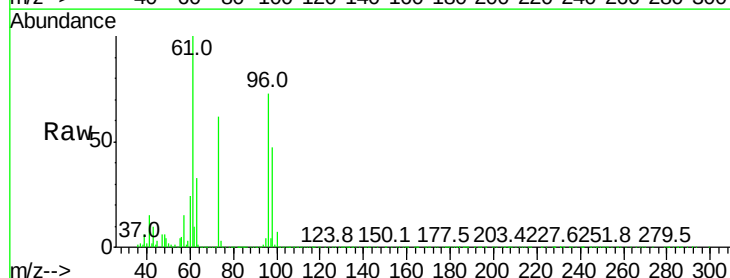
Instrument :
MSVOA_R
ClientSampled :
VSTD02095

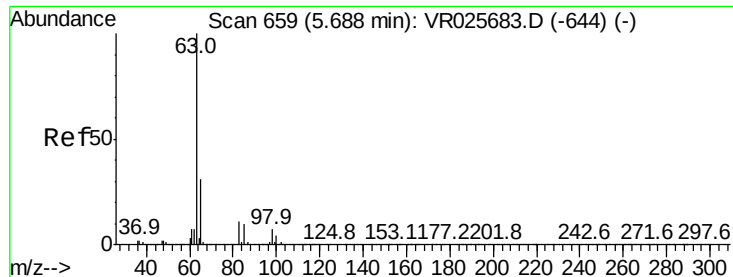
Tgt Ion: 73 Resp: 1450343
Ion Ratio Lower Upper
73 100
43 16.4 15.1 22.7
57 24.2 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 20.180 ug/L
RT: 4.88 min Scan# 527
Delta R.T. 0.01 min
Lab File: VR025685.D
Acq: 7 Sep 2018 11:45

Tgt Ion: 96 Resp: 1325917
Ion Ratio Lower Upper
96 100
61 136.5 91.3 169.6
98 64.1 43.2 80.2

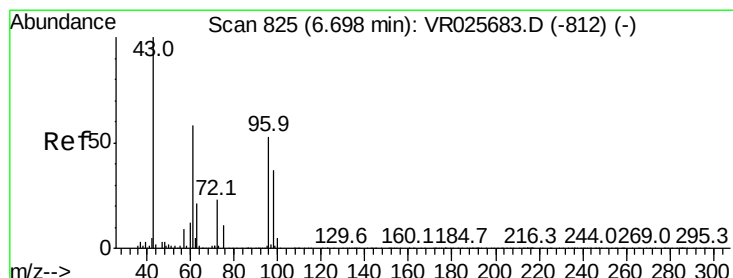
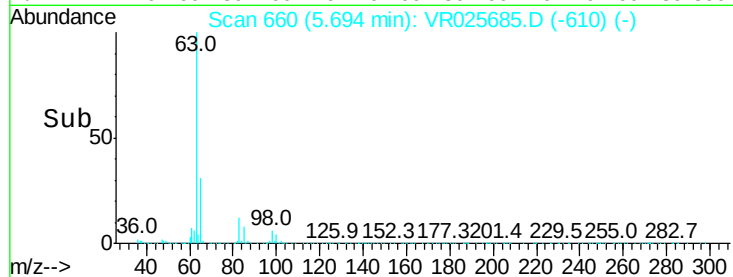
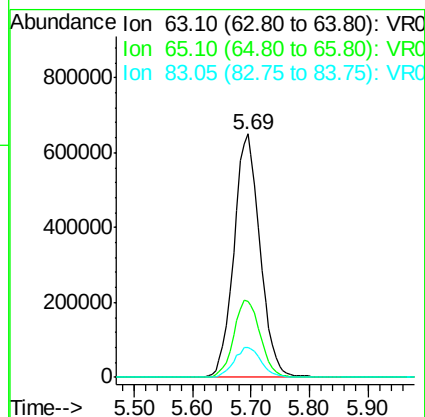
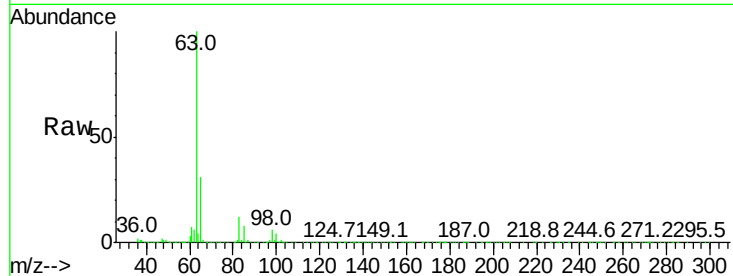




#19
 1,1-Dichloroethane
 Concen: 19.838 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

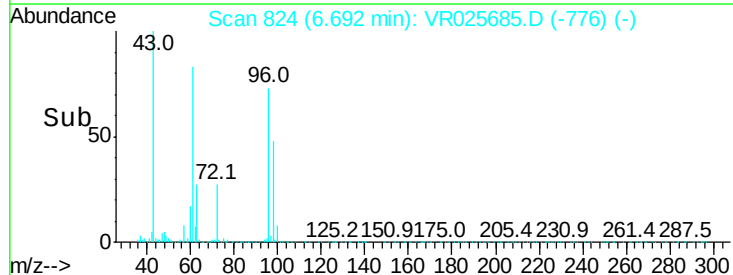
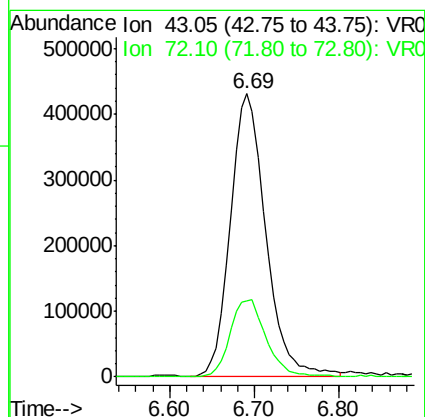
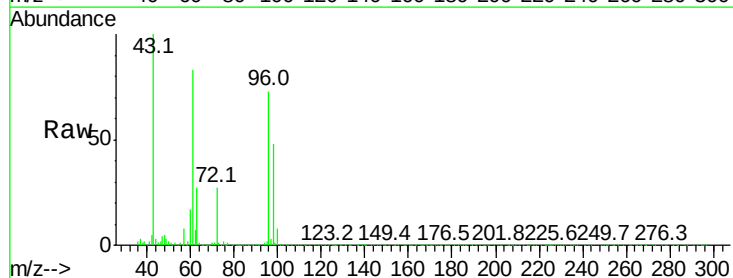
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02095

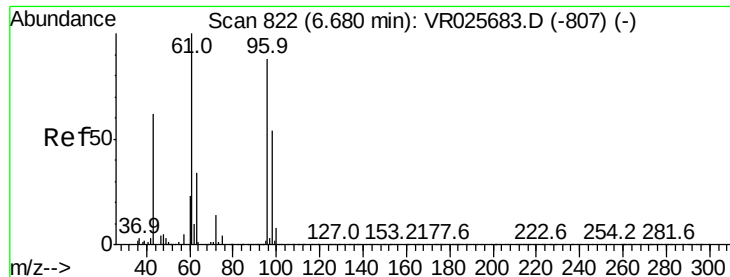
Tgt Ion: 63 Resp: 2014635
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.9 40.7
 83 12.5 7.6 14.2



#21
 2-Butanone
 Concen: 252.938 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

Tgt Ion: 43 Resp: 1220233
 Ion Ratio Lower Upper
 43 100
 72 28.2 13.3 39.9



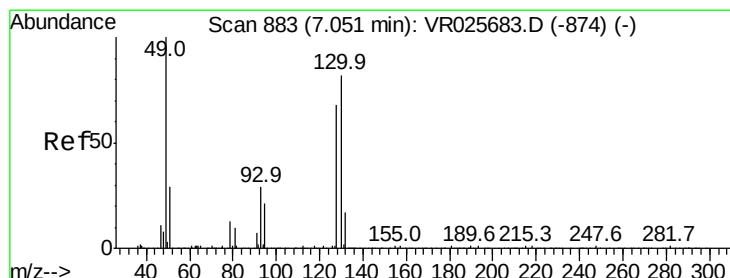
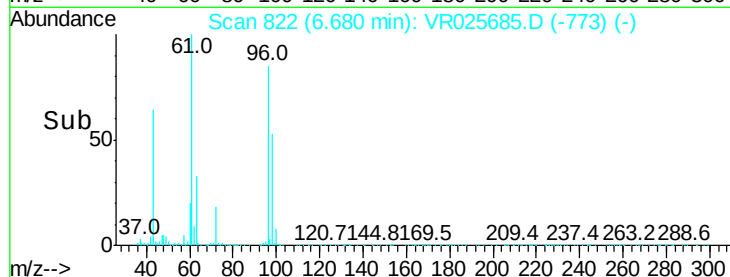
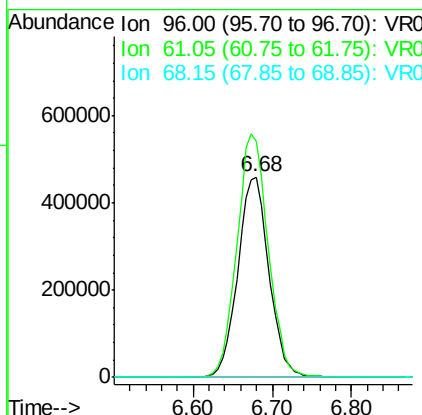
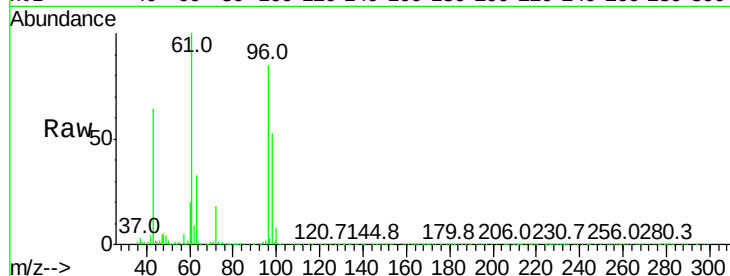


#22

cis-1,2-Dichloroethene
 Concen: 22.258 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02095

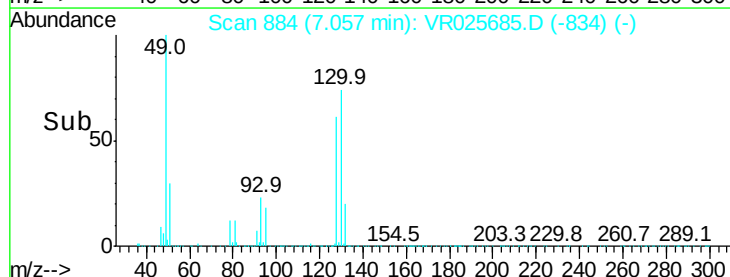
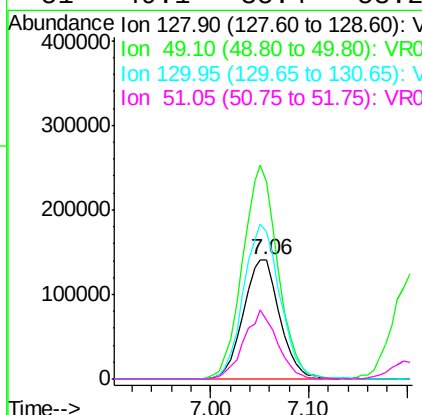
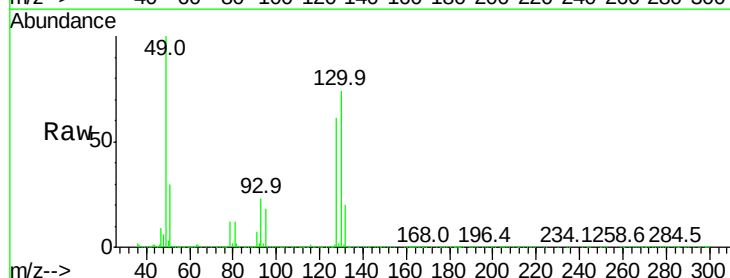
Tgt Ion: 96 Resp: 1256852
 Ion Ratio Lower Upper
 96 100
 61 117.8 79.9 148.5
 68 0.1 0.2 0.4#

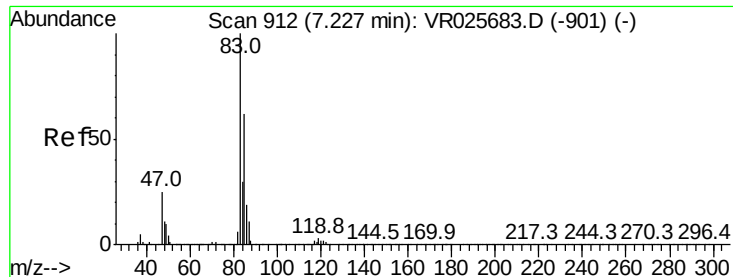


#23

Bromochloromethane
 Concen: 20.973 ug/L
 RT: 7.06 min Scan# 884
 Delta R.T. 0.01 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

Tgt Ion: 128 Resp: 363025
 Ion Ratio Lower Upper
 128 100
 49 165.2 104.6 194.2
 130 122.9 84.7 157.3
 51 49.1 35.4 53.2





#25

Chloroform

Concen: 20.683 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

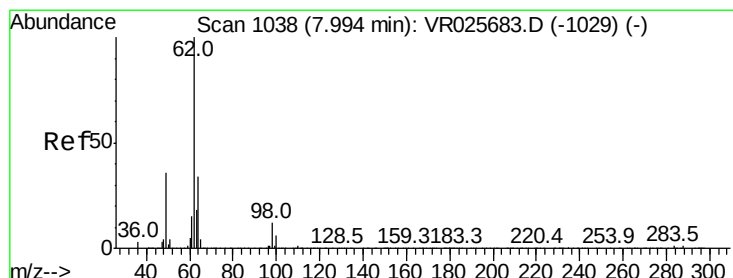
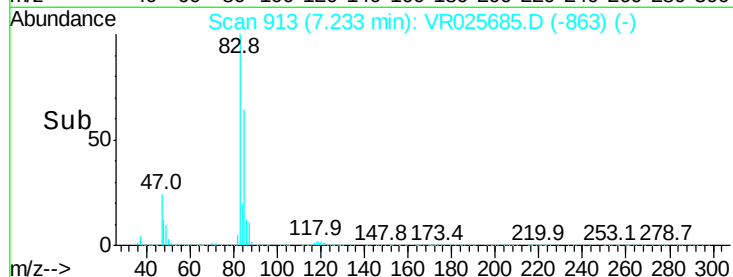
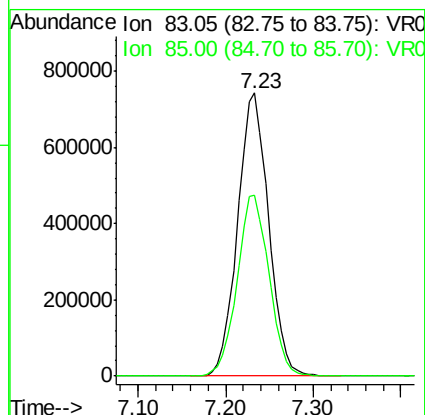
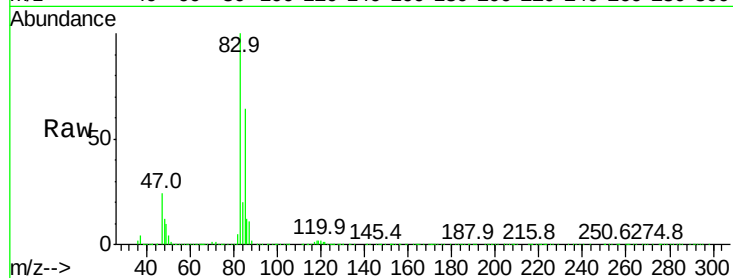
VSTD02095

Tgt Ion: 83 Resp: 1824883

Ion Ratio Lower Upper

83 100

85 64.0 43.8 81.4



#27

1,2-Dichloroethane

Concen: 22.026 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR025685.D

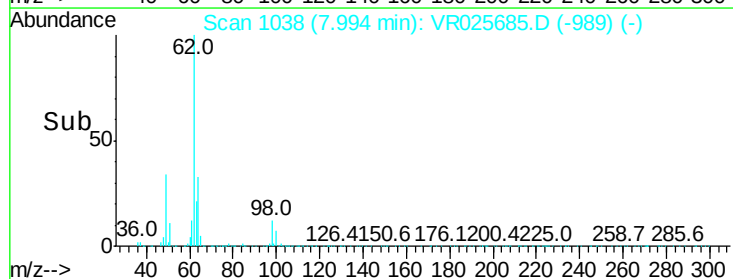
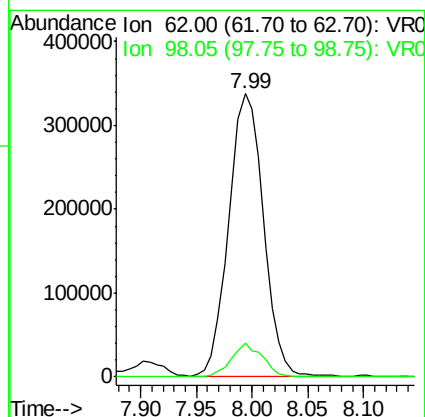
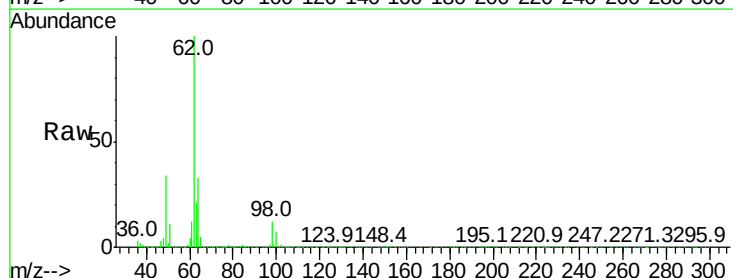
Acq: 7 Sep 2018 11:45

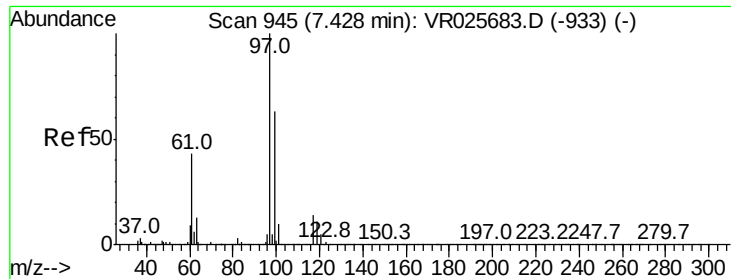
Tgt Ion: 62 Resp: 726757

Ion Ratio Lower Upper

62 100

98 12.0 9.4 14.2



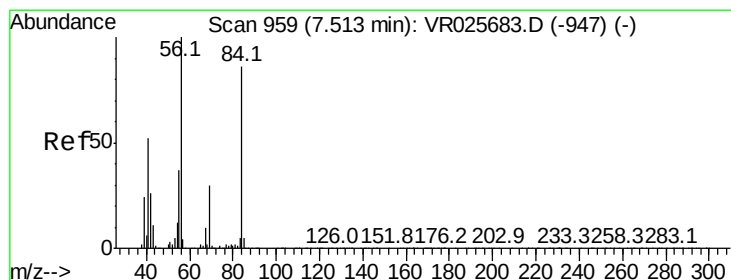
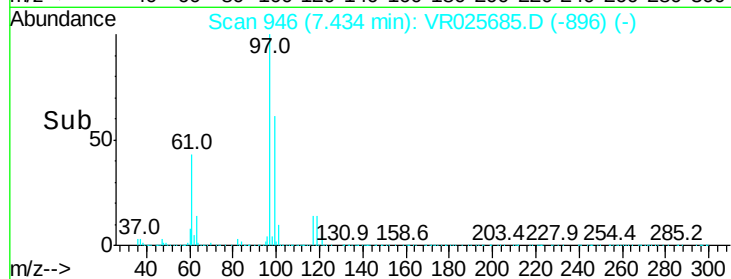
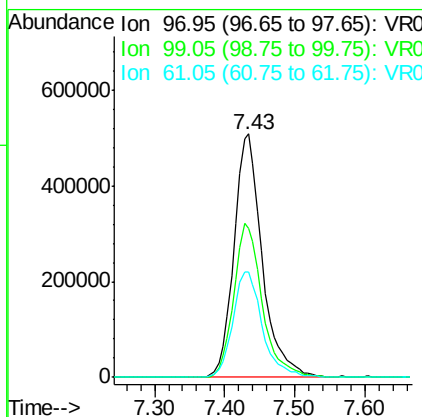
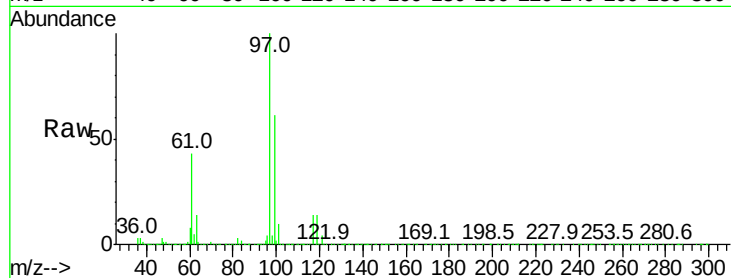


#29
 1,1,1-Trichloroethane
 Concen: 20.436 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02095

Tgt Ion: 97 Resp: 1422633

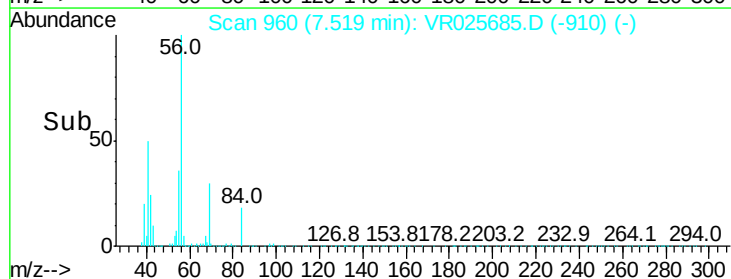
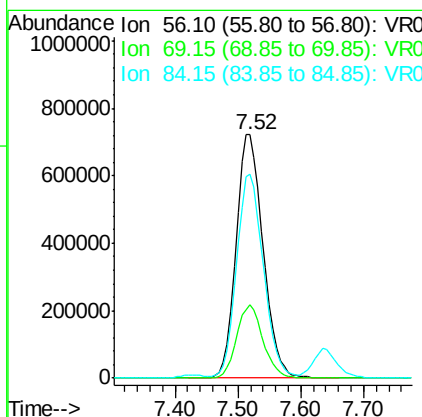
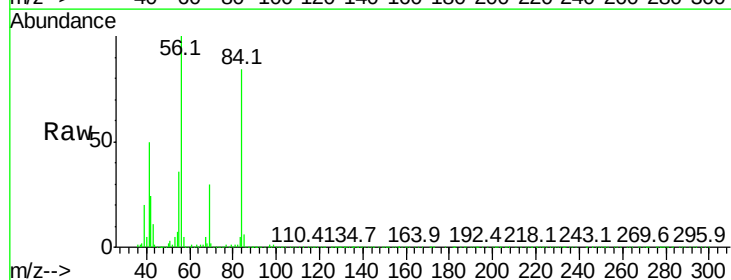
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	45.4	36.2	54.4

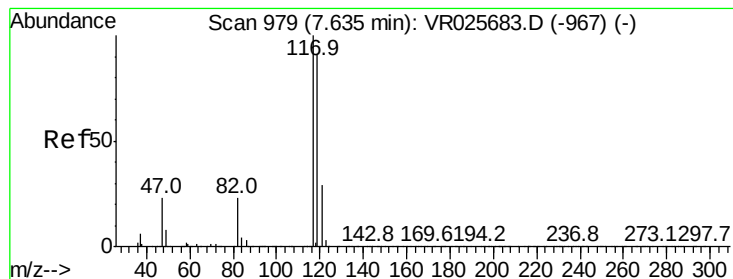


#30
 Cyclohexane
 Concen: 23.945 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

Tgt Ion: 56 Resp: 2144614

Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.4	35.2
84	83.4	70.4	105.6





#31

Carbon tetrachloride

Concen: 22.820 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

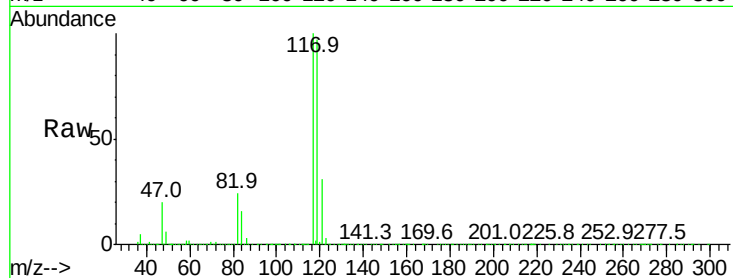
VSTD02095

Tgt Ion:117 Resp: 1394219

Ion Ratio Lower Upper

117 100

119 95.6 78.9 118.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

600000

500000

400000

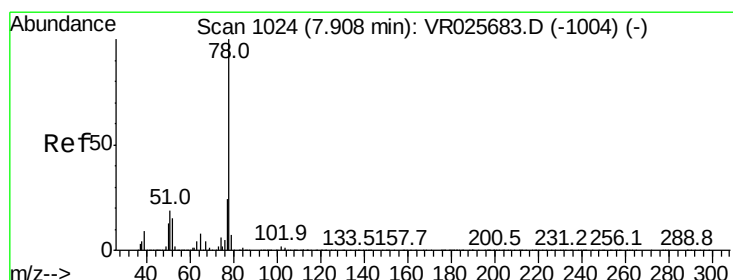
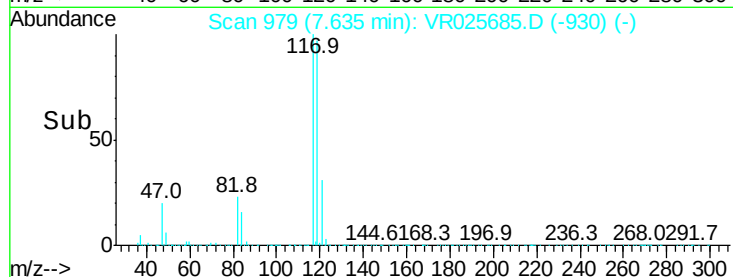
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 20.374 ug/L

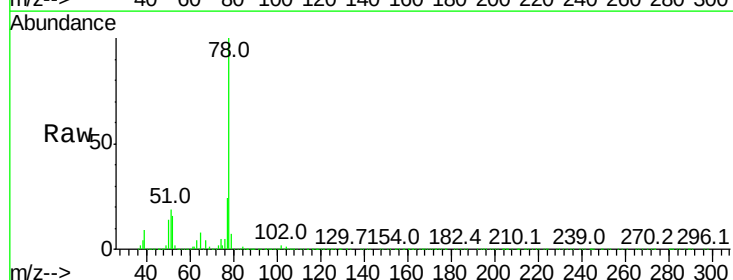
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Tgt Ion: 78 Resp: 5324244



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

2500000

2000000

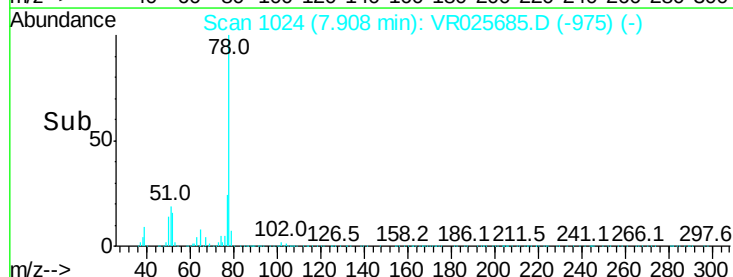
1500000

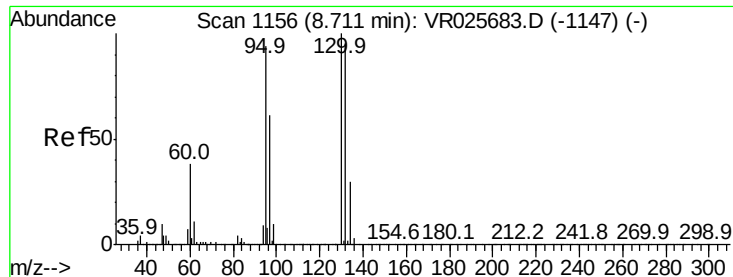
1000000

500000

0

Time-->





#34

Trichloroethene

Concen: 21.298 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD02095

Tgt Ion: 95 Resp: 1274903

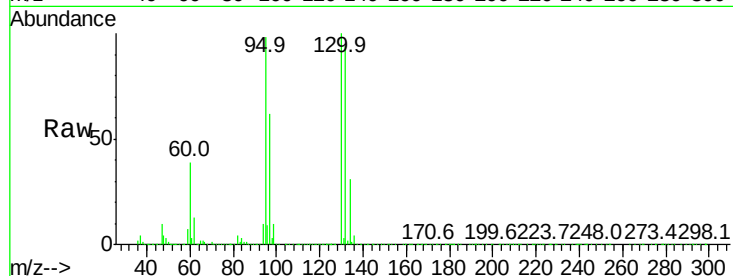
Ion Ratio Lower Upper

95 100

97 63.7 45.5 84.5

132 96.6 71.0 131.9

130 102.2 74.5 138.3

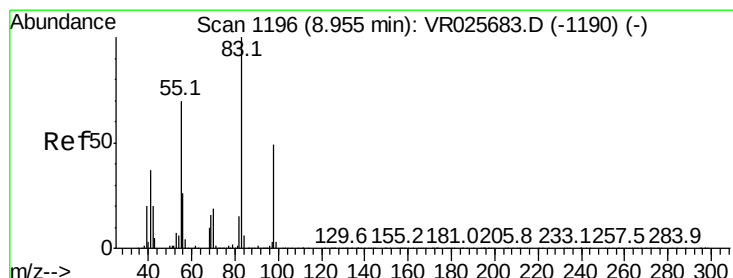
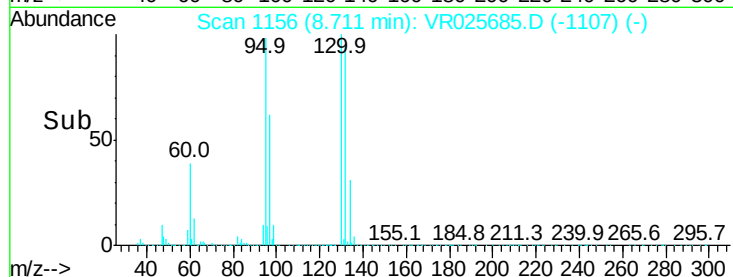
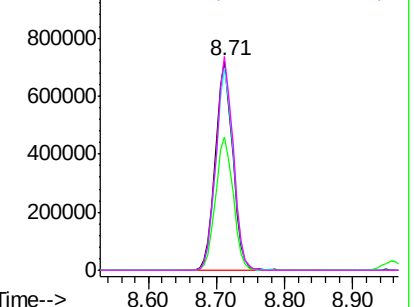


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 24.127 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

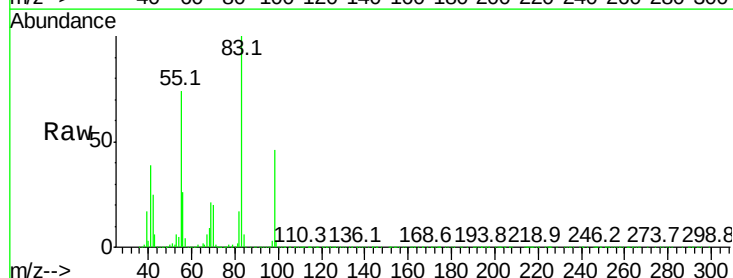
Tgt Ion: 83 Resp: 2349384

Ion Ratio Lower Upper

83 100

55 73.0 58.9 88.3

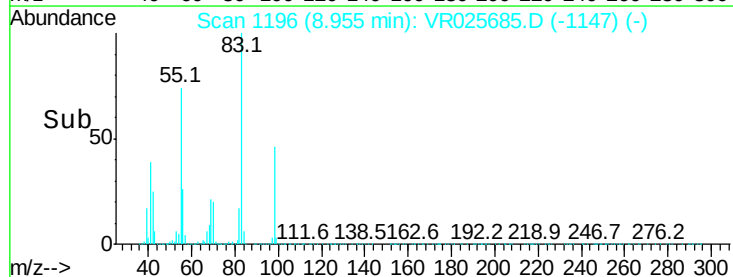
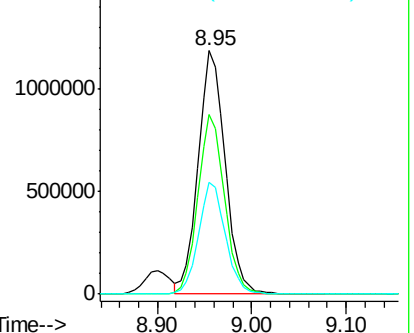
98 45.6 36.9 55.3

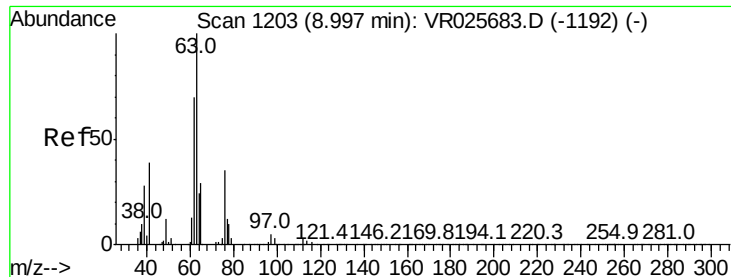


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

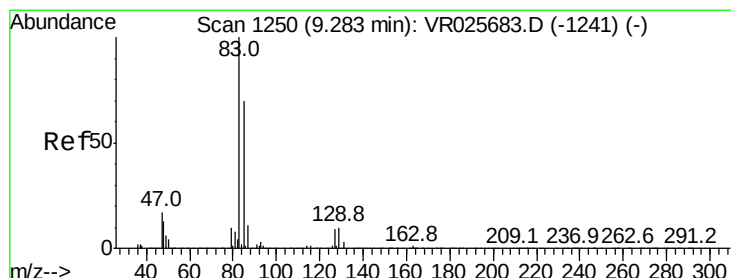
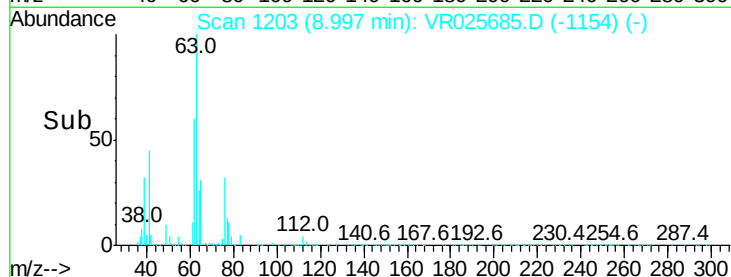
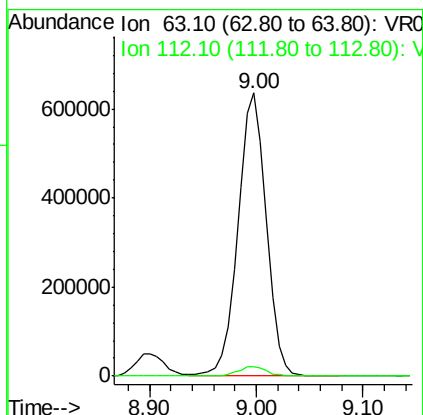
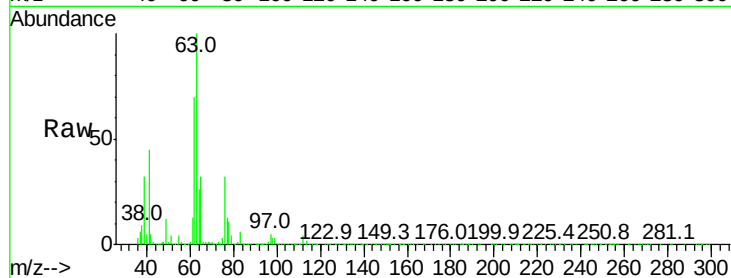




#37
 1,2-Dichloropropane
 Concen: 20.543 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

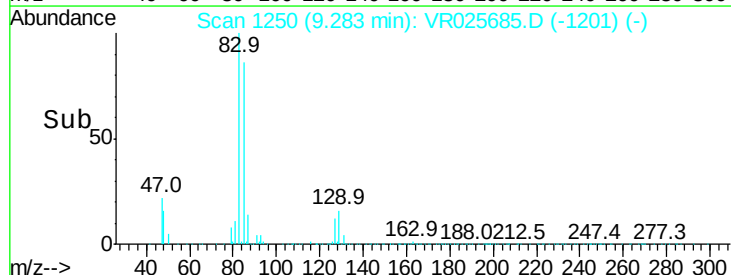
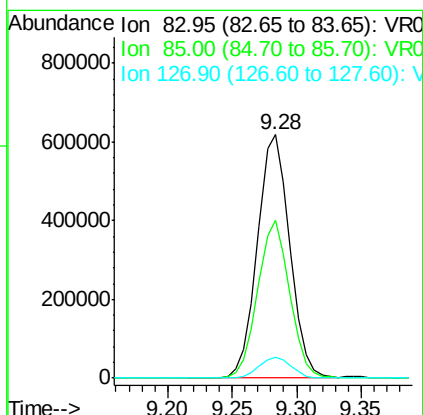
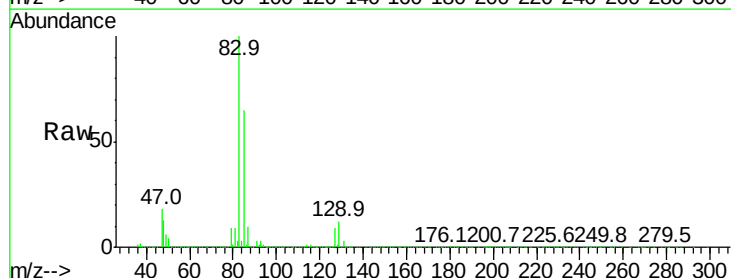
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02095

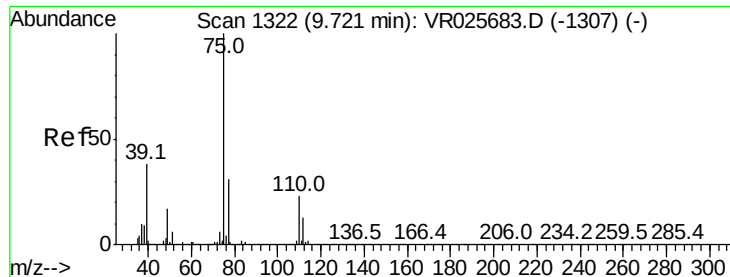
Tgt Ion: 63 Resp: 1178414
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 21.330 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

Tgt Ion: 83 Resp: 1067913
 Ion Ratio Lower Upper
 83 100
 85 64.6 48.7 90.5
 127 8.7 7.5 11.3



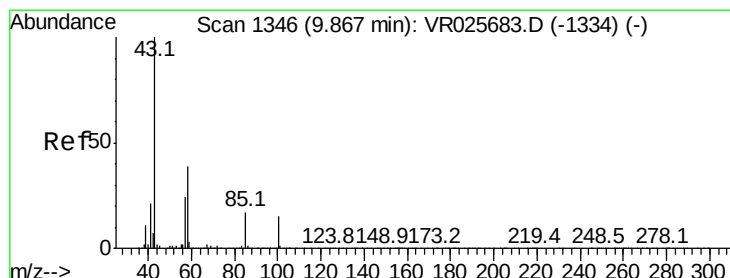
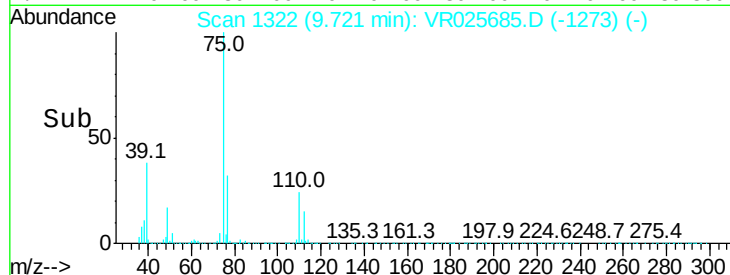
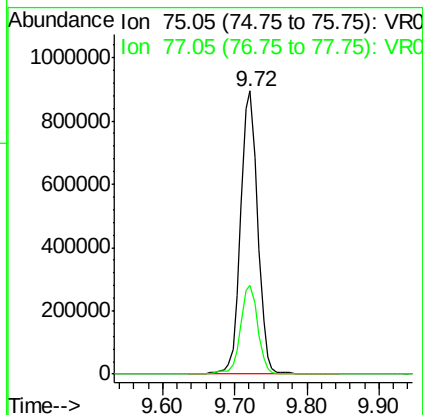
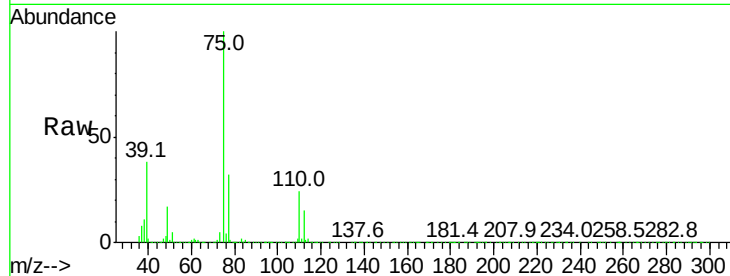


#39

cis-1,3-Dichloropropene
Concen: 24.940 ug/L
RT: 9.72 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VR025685.D
Acq: 7 Sep 2018 11:45

Instrument :
MSVOA_R
ClientSampleId :
VSTD02095

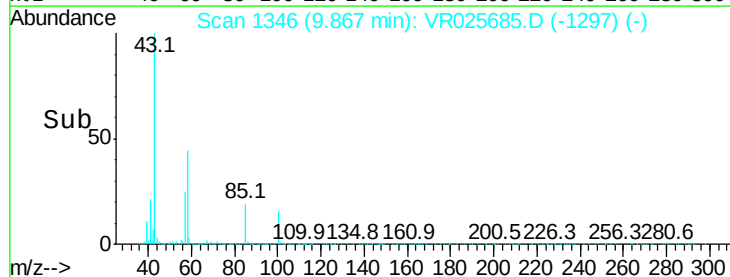
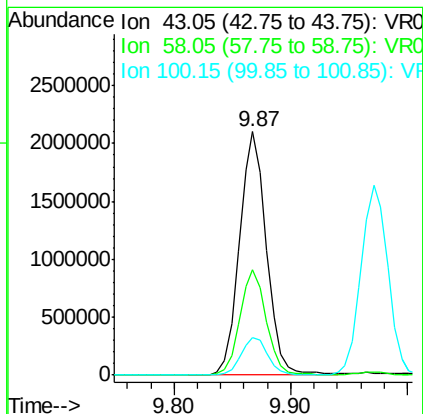
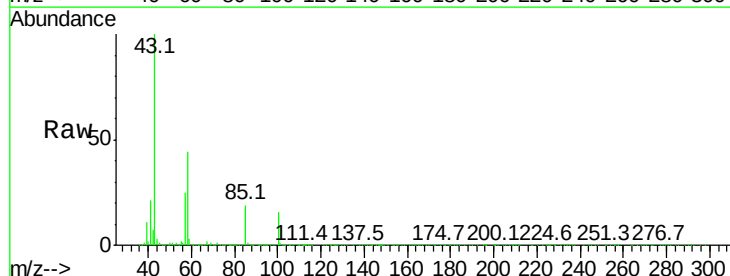
Tgt Ion: 75 Resp: 1466333
Ion Ratio Lower Upper
75 100
77 31.6 21.6 40.2

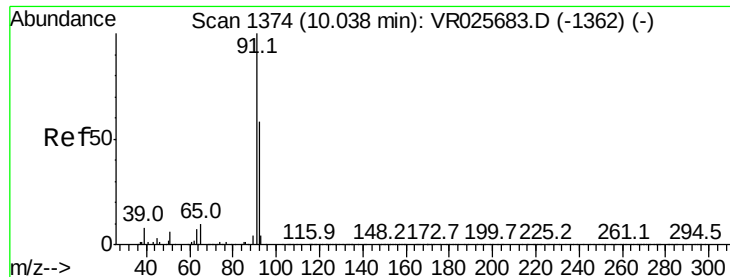


#40

4-Methyl-2-pentanone
Concen: 243.785 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR025685.D
Acq: 7 Sep 2018 11:45

Tgt Ion: 43 Resp: 3387576
Ion Ratio Lower Upper
43 100
58 42.4 30.6 46.0
100 15.3 11.7 17.5





#42

Toluene

Concen: 22.139 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

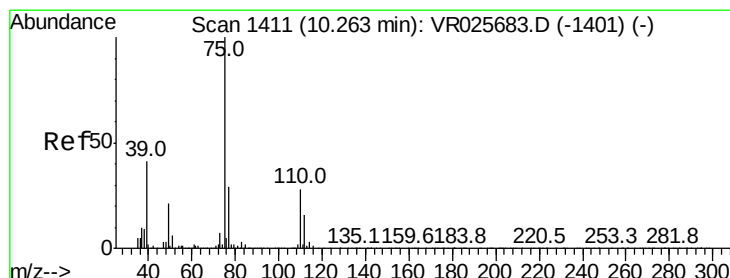
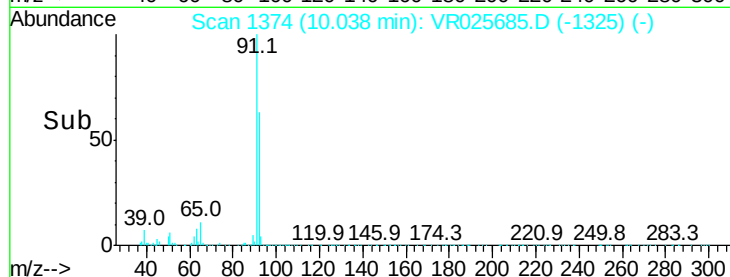
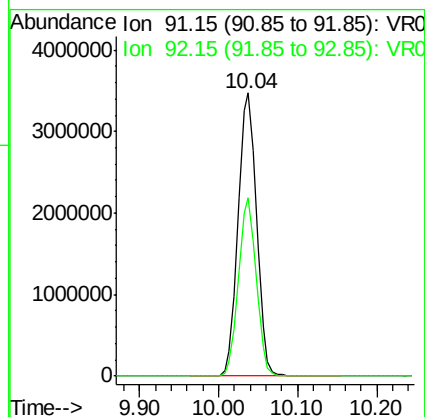
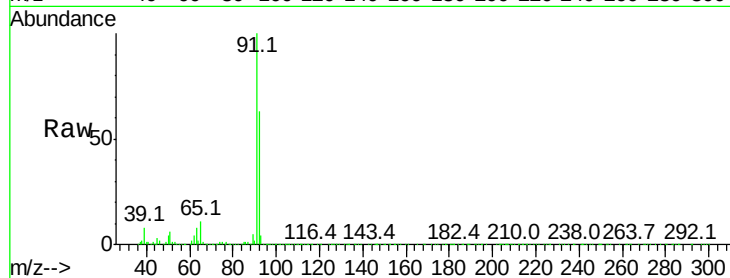
VSTD02095

Tgt Ion: 91 Resp: 5676677

Ion Ratio Lower Upper

91 100

92 63.0 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 23.994 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025685.D

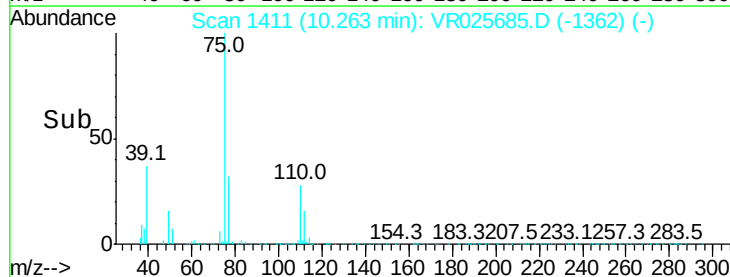
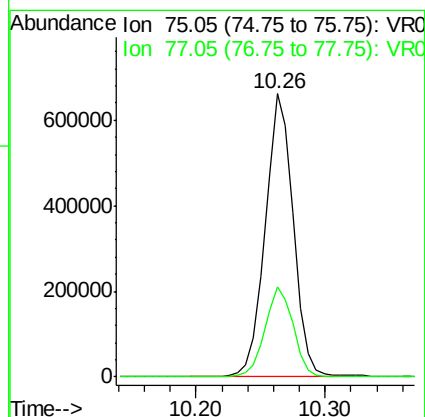
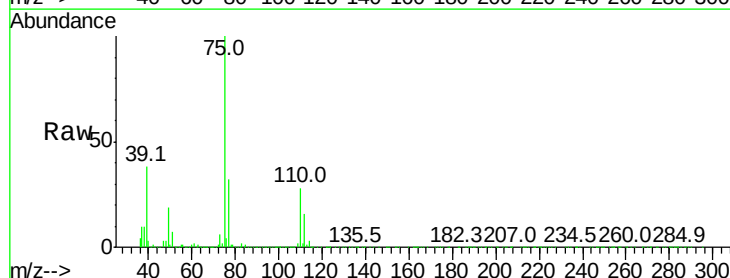
Acq: 7 Sep 2018 11:45

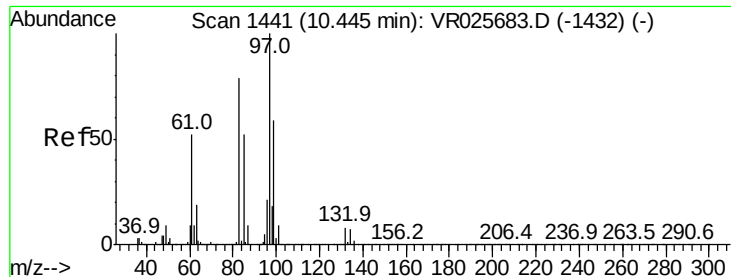
Tgt Ion: 75 Resp: 995665

Ion Ratio Lower Upper

75 100

77 31.9 20.7 38.5

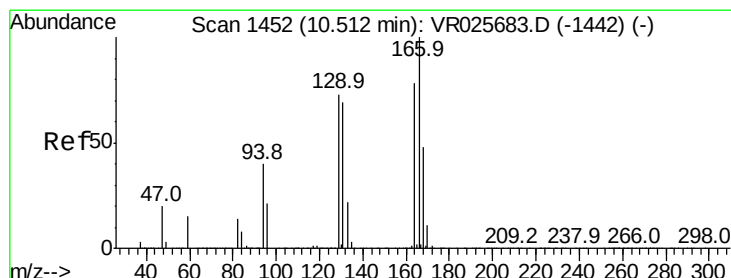
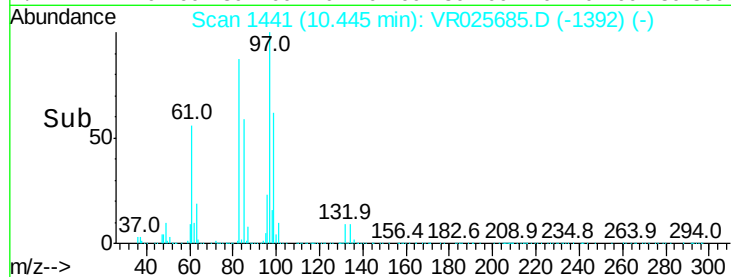
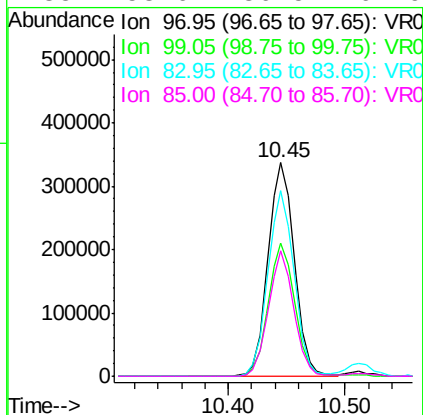
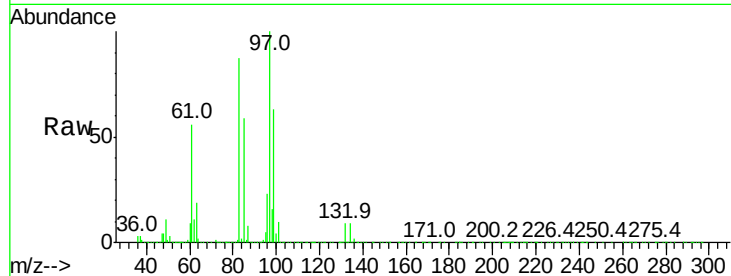




#45
 1,1,2-Trichloroethane
 Concen: 20.718 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

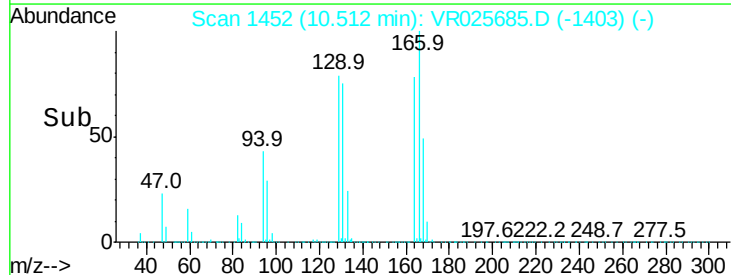
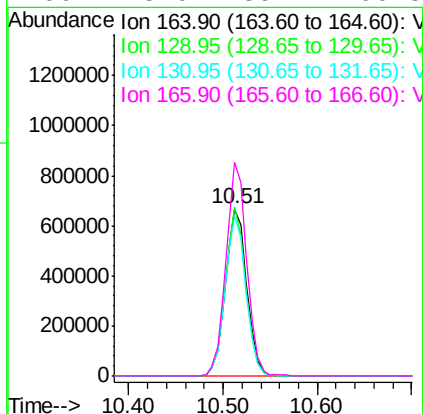
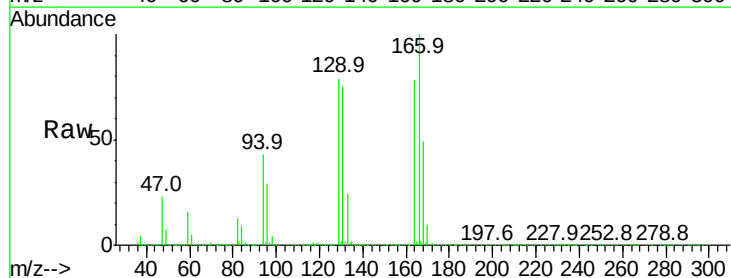
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02095

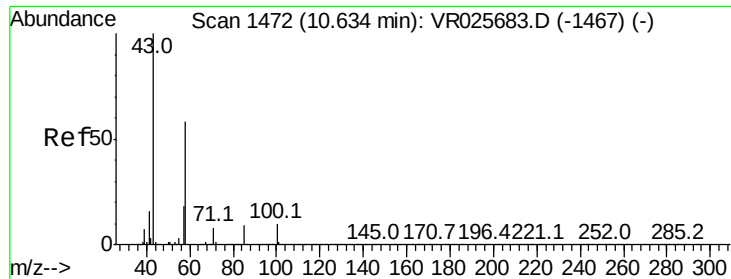
Tgt Ion:	97	Resp:	524365
Ion	Ratio	Lower	Upper
97	100		
99	62.5	41.3	76.7
83	87.1	55.4	102.8
85	58.6	36.5	67.9



#47
 Tetrachloroethene
 Concen: 22.743 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

Tgt Ion:	164	Resp:	1040995
Ion	Ratio	Lower	Upper
164	100		
129	101.2	65.6	121.8
131	95.8	62.2	115.4
166	128.0	89.7	166.5



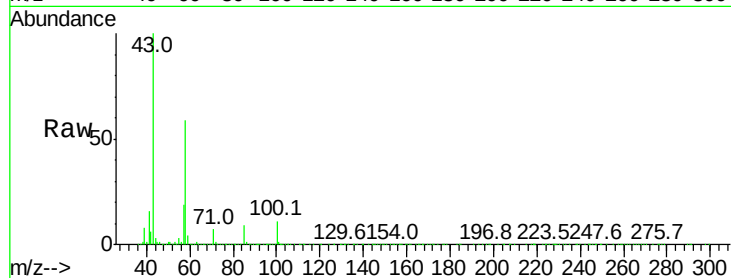


#48
2-Hexanone
Concen: 237.821 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025685.D
Acq: 7 Sep 2018 11:45

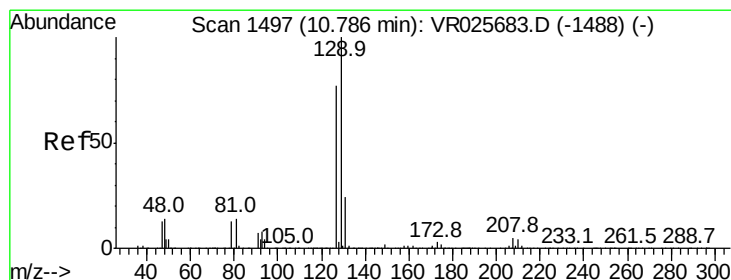
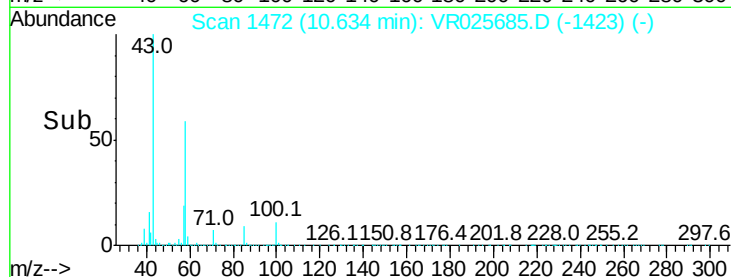
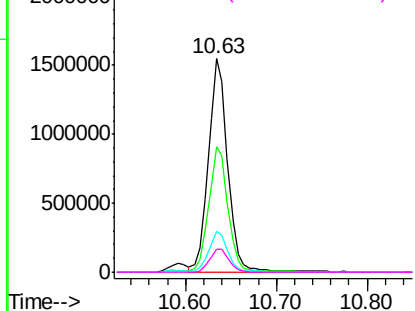
Instrument :
MSVOA_R
ClientSampleId :
VSTD02095

Tgt Ion: 43 Resp: 2303650

Ion	Ratio	Lower	Upper
43	100		
58	60.4	45.8	68.8
57	18.8	14.2	21.2
100	11.2	8.6	13.0



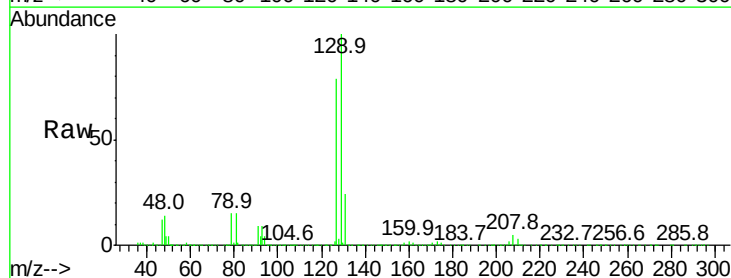
Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0



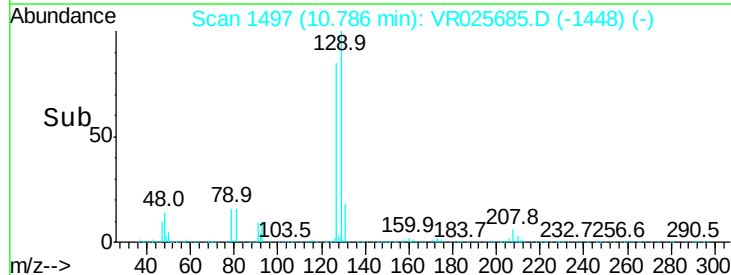
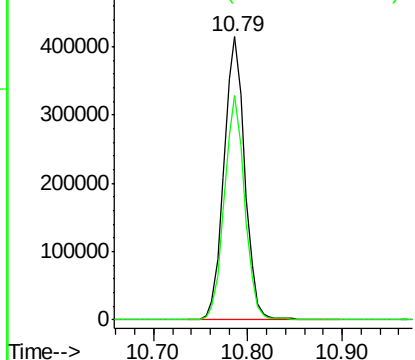
#49
Dibromochloromethane
Concen: 23.263 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025685.D
Acq: 7 Sep 2018 11:45

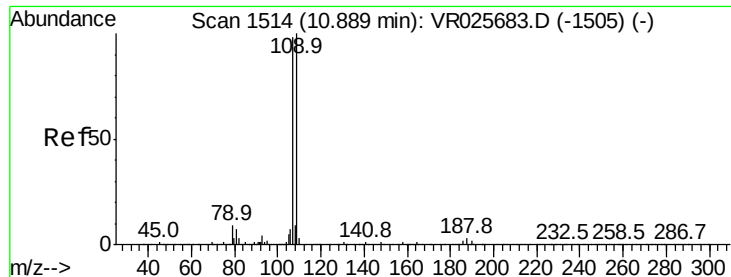
Tgt Ion: 129 Resp: 634499

Ion	Ratio	Lower	Upper
129	100		
127	79.3	54.1	100.5



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





#50

1,2-Dibromoethane

Concen: 21.717 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD02095

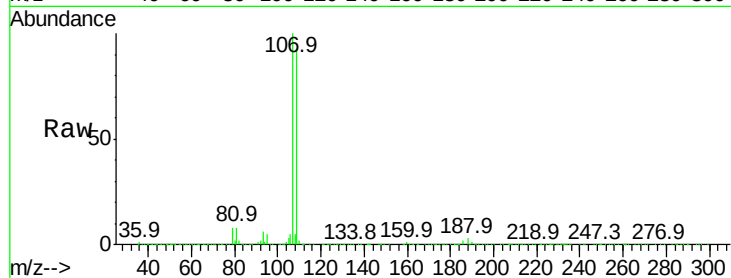
Tgt Ion:107 Resp: 435491

Ion Ratio Lower Upper

107 100

109 93.5 71.3 132.5

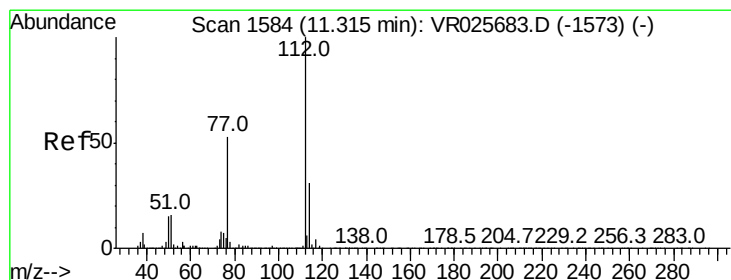
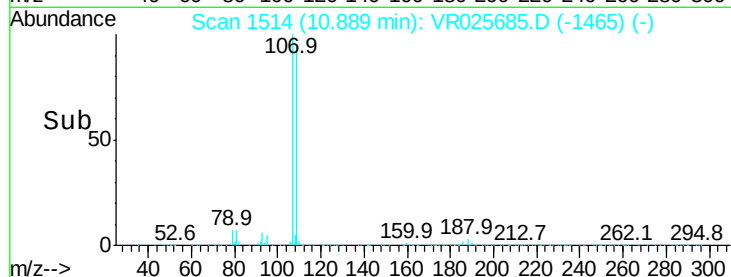
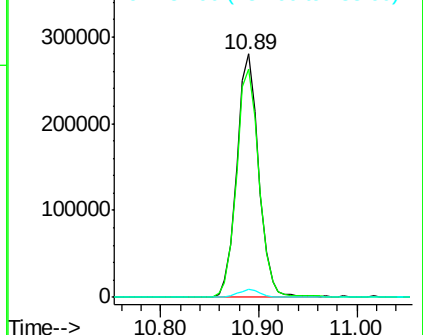
188 3.2 3.4 5.0#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 20.853 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

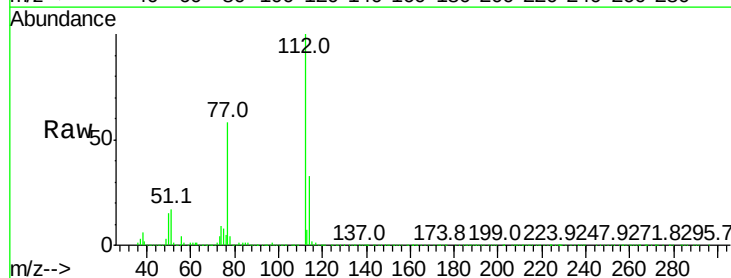
Tgt Ion:112 Resp: 3328484

Ion Ratio Lower Upper

112 100

114 33.4 21.8 40.6

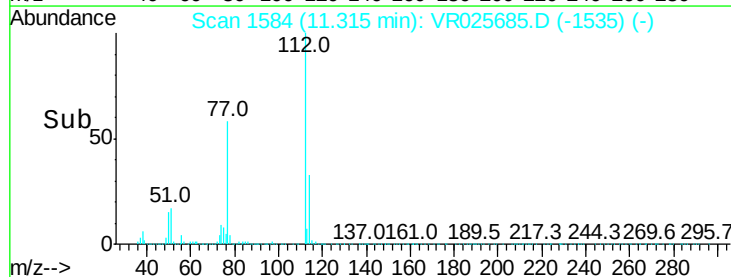
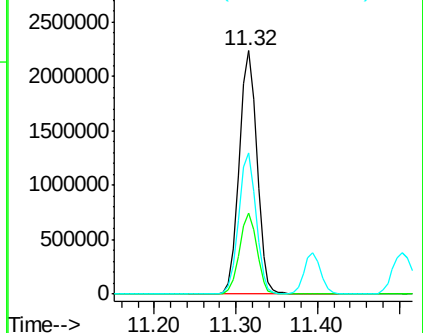
77 57.9 42.4 63.6

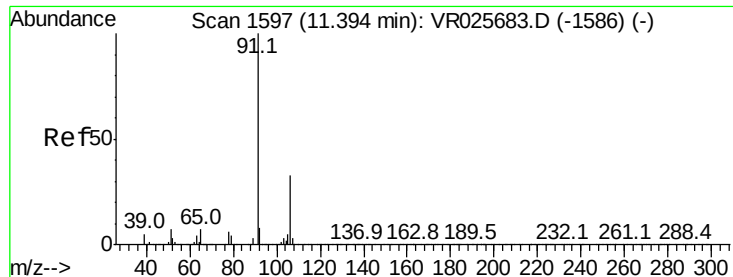


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 22.193 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

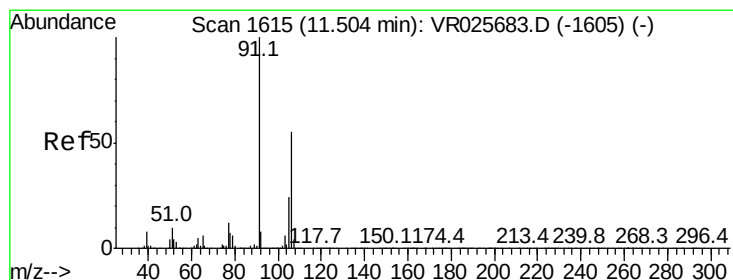
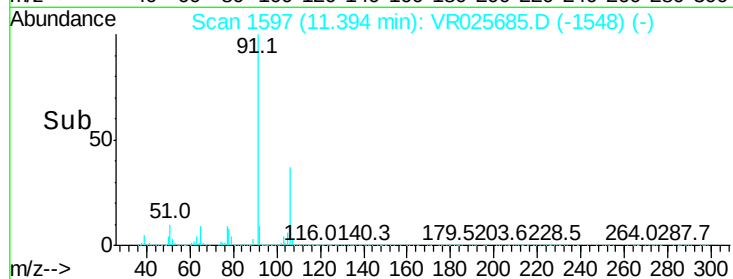
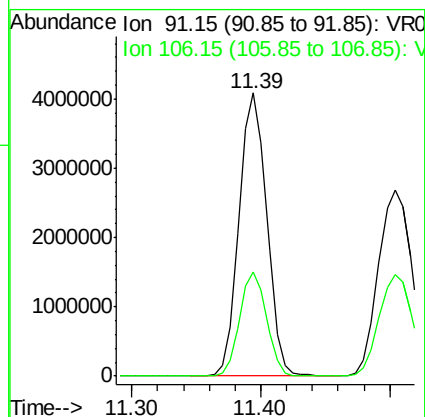
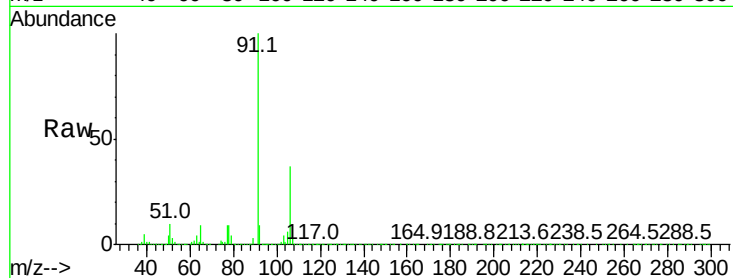
VSTD02095

Tgt Ion: 91 Resp: 6075966

Ion Ratio Lower Upper

91 100

106 36.8 22.7 42.3



#53

m,p-Xylene

Concen: 23.686 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025685.D

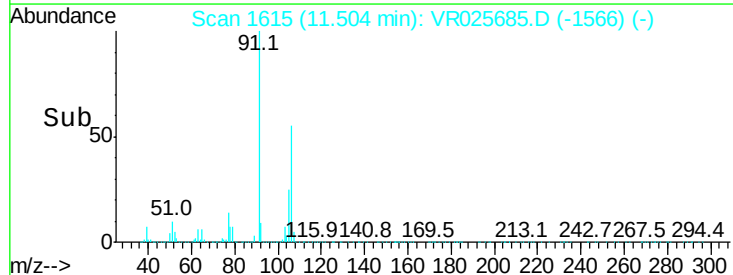
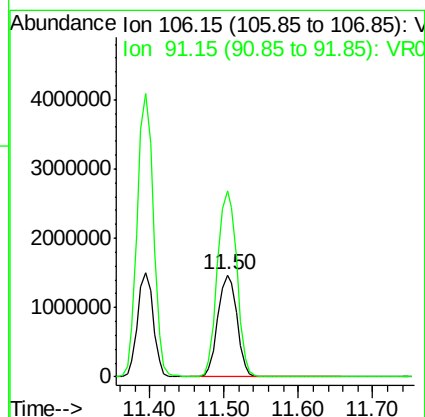
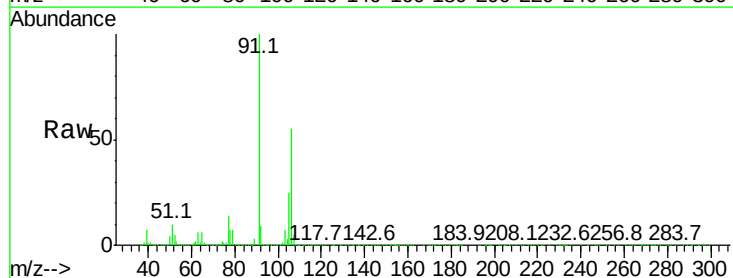
Acq: 7 Sep 2018 11:45

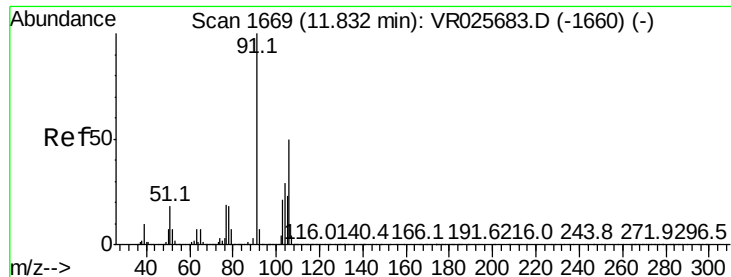
Tgt Ion: 106 Resp: 2597113

Ion Ratio Lower Upper

106 100

91 182.1 128.7 238.9





#54

o-Xylene

Concen: 24.680 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

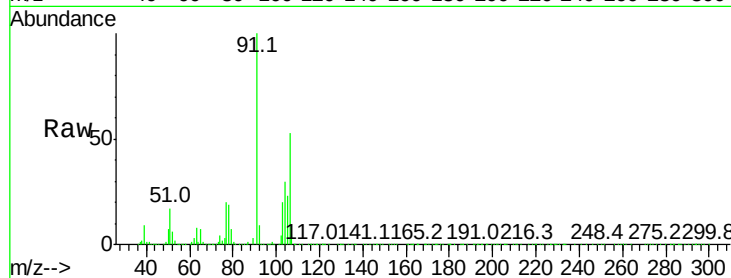
VSTD02095

Tgt Ion:106 Resp: 2410911

Ion Ratio Lower Upper

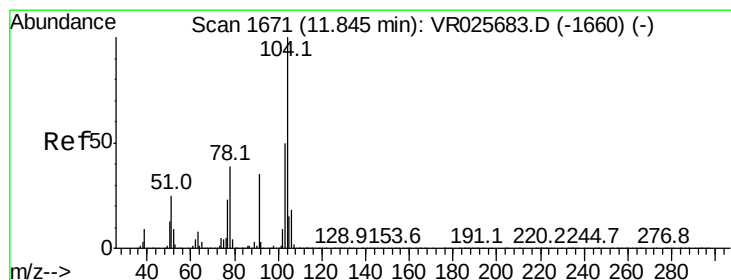
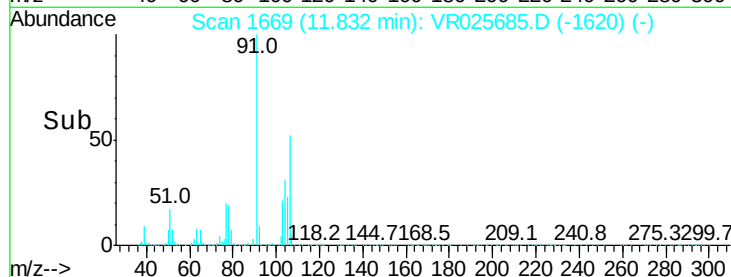
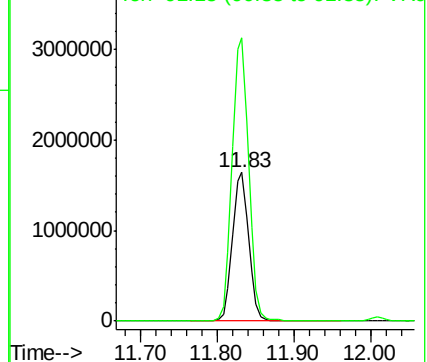
106 100

91 190.1 139.2 258.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 23.743 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR025685.D

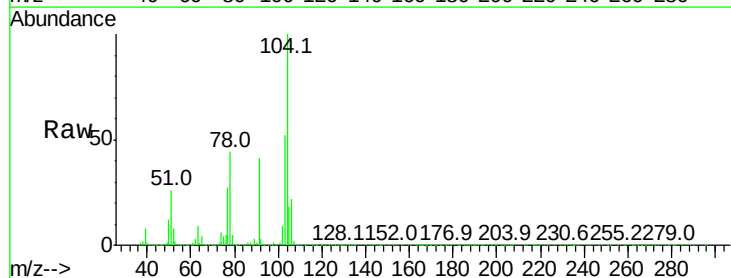
Acq: 7 Sep 2018 11:45

Tgt Ion:104 Resp: 3747058

Ion Ratio Lower Upper

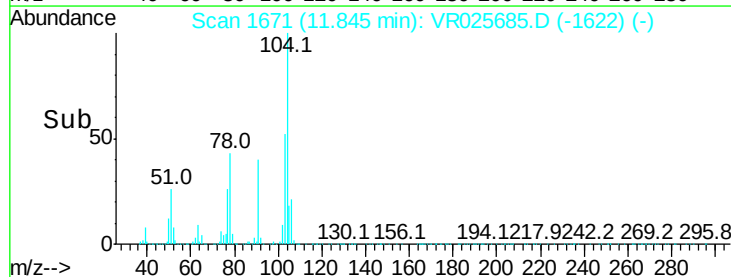
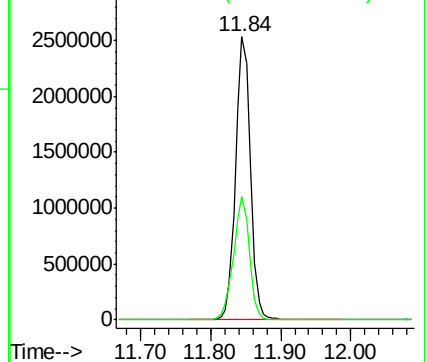
104 100

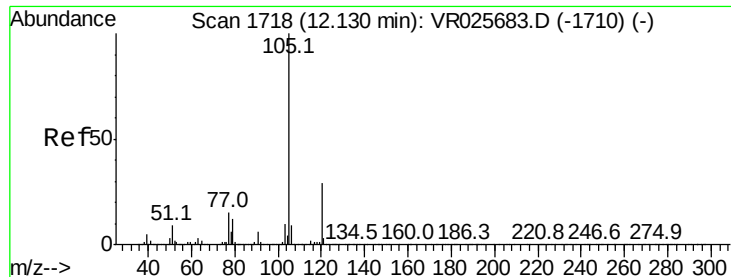
78 43.5 27.6 51.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 23.785 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampled :

VSTD02095

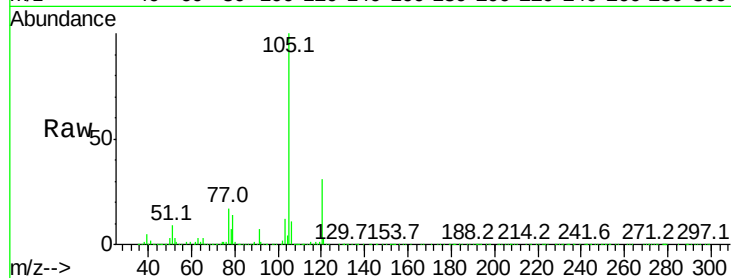
Tgt Ion:105 Resp: 5890369

Ion Ratio Lower Upper

105 100

120 29.6 22.8 34.2

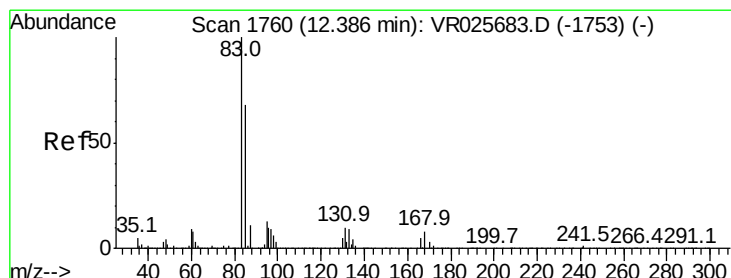
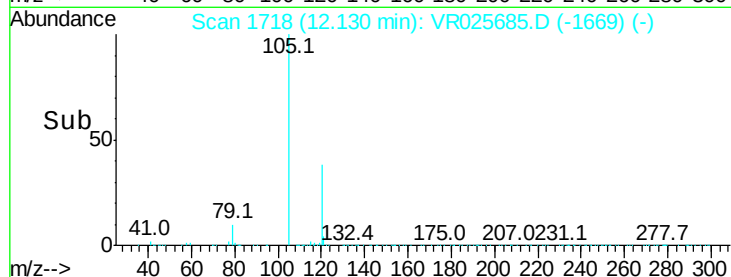
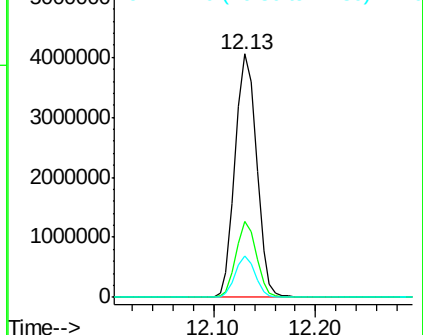
77 15.8 11.8 17.8



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 19.674 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

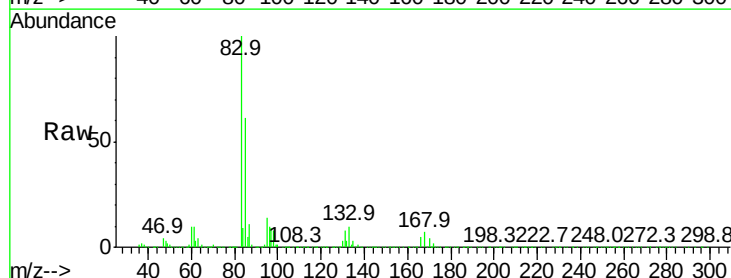
Tgt Ion: 83 Resp: 514657

Ion Ratio Lower Upper

83 100

85 61.2 47.9 88.9

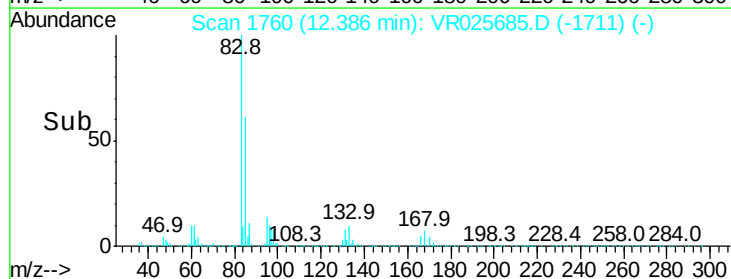
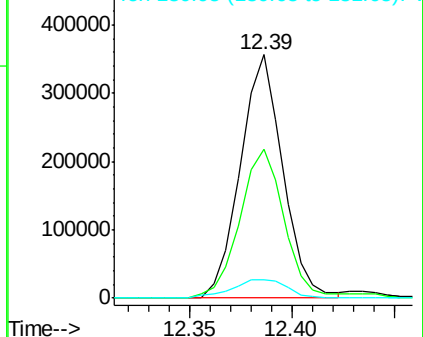
131 7.8 8.2 12.4#

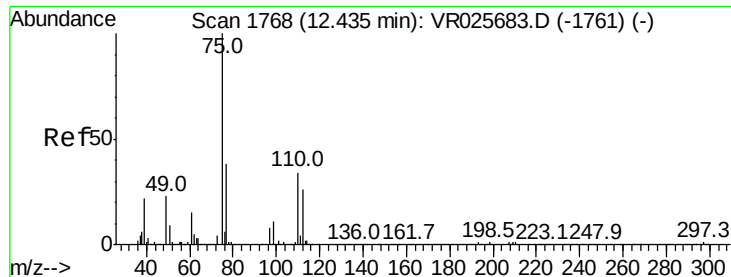


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

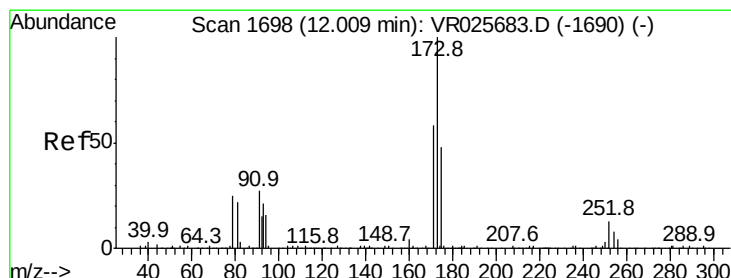
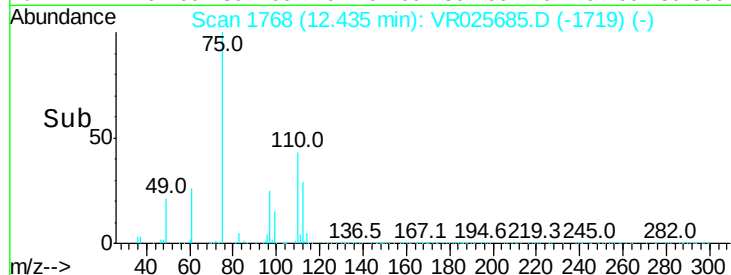
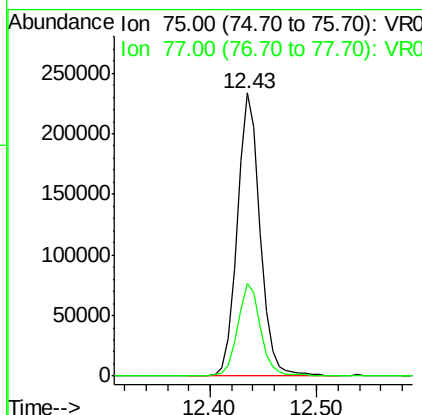
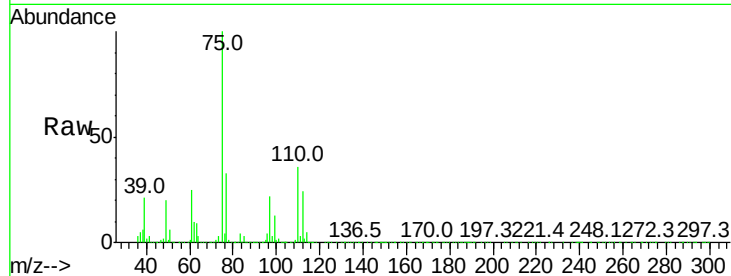




#59
 1,2,3-Trichloropropane
 Concen: 19.687 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

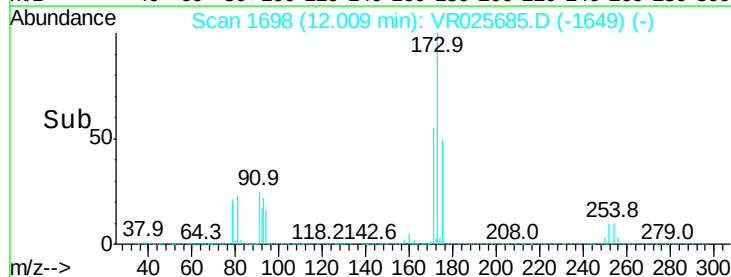
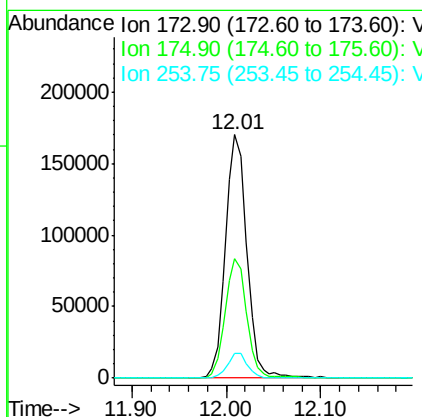
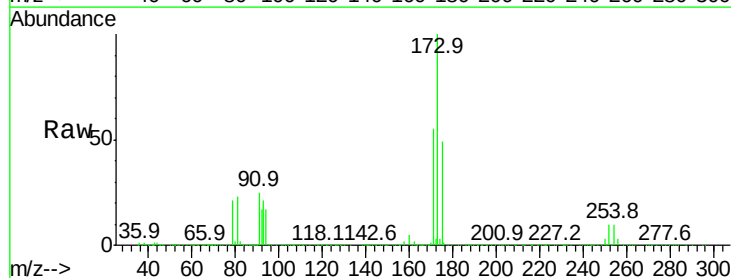
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02095

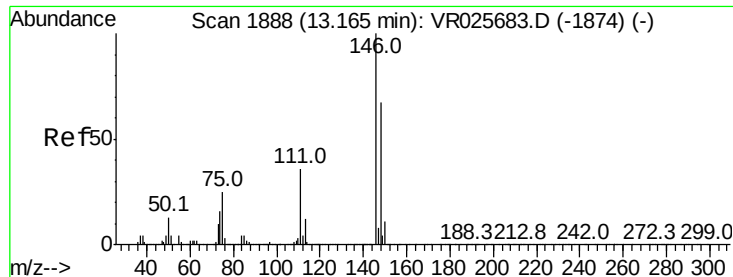
Tgt Ion: 75 Resp: 350147
 Ion Ratio Lower Upper
 75 100
 77 33.1 27.8 41.8



#61
 Bromoform
 Concen: 22.406 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VR025685.D
 Acq: 7 Sep 2018 11:45

Tgt Ion: 173 Resp: 267525
 Ion Ratio Lower Upper
 173 100
 175 49.7 41.9 62.9
 254 9.8 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 22.305 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD02095

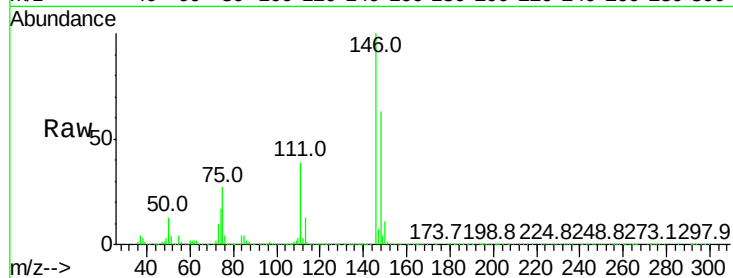
Tgt Ion:146 Resp: 2048698

Ion Ratio Lower Upper

146 100

111 39.2 25.4 47.2

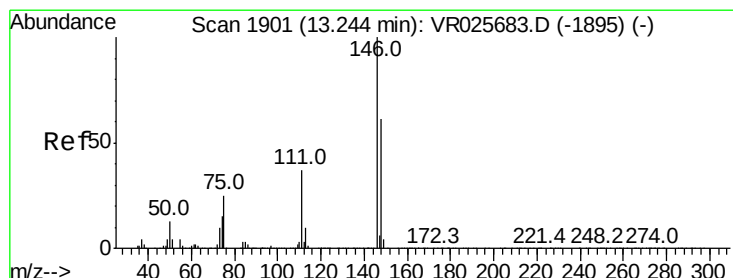
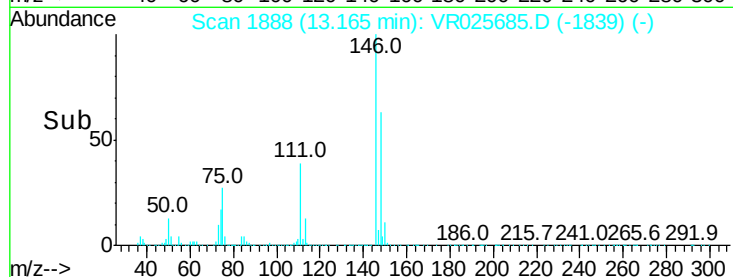
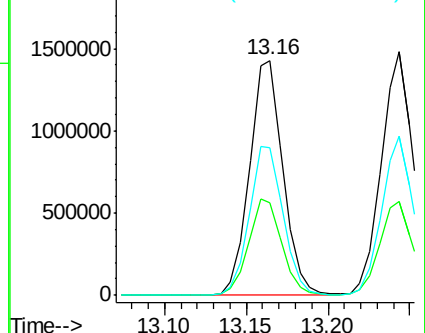
148 62.9 46.9 87.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 20.101 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

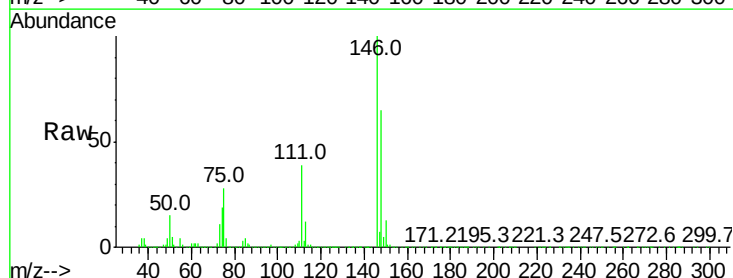
Tgt Ion:146 Resp: 2051241

Ion Ratio Lower Upper

146 100

111 38.6 26.2 48.6

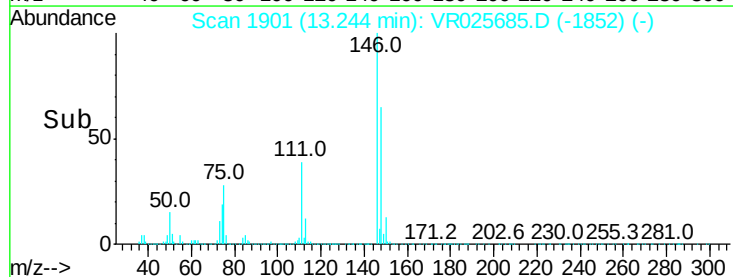
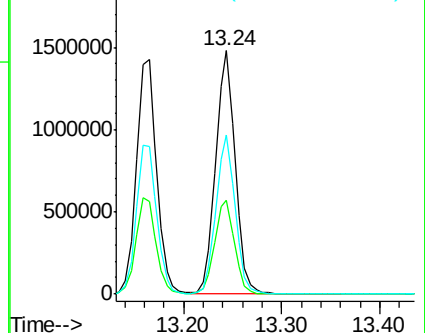
148 65.2 42.7 79.3

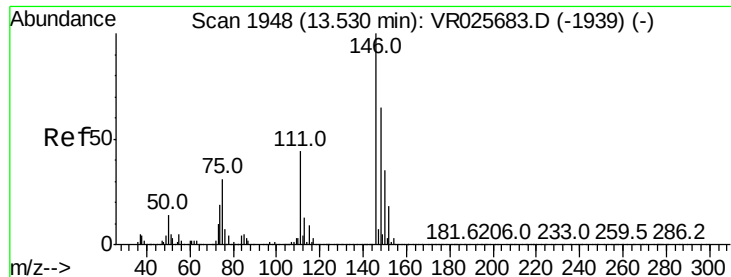


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 20.688 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD02095

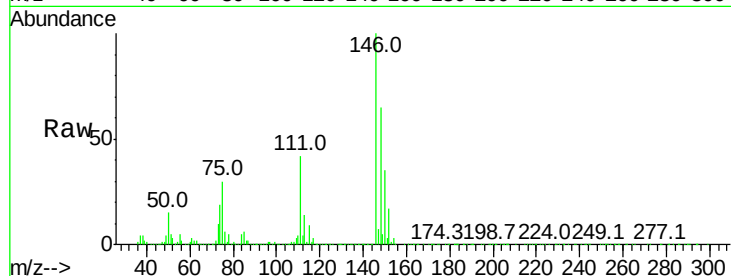
Tgt Ion:146 Resp: 1636159

Ion Ratio Lower Upper

146 100

111 42.4 35.2 52.8

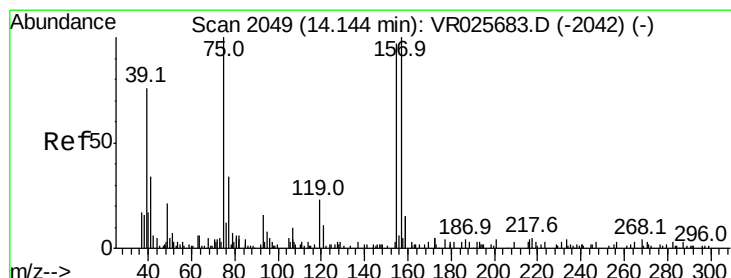
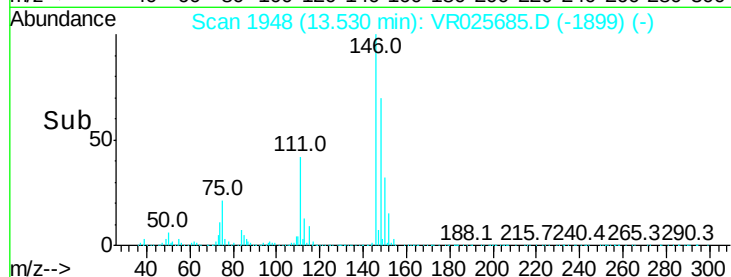
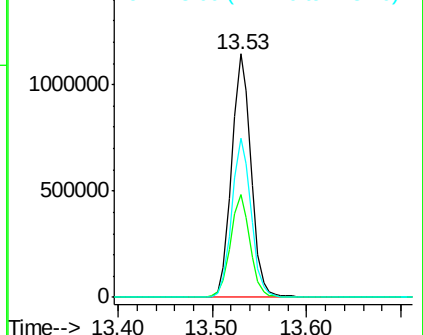
148 65.4 52.1 78.1



Abundance Ion 145.95 (145.65 to 146.65): 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: 21.391 ug/L

RT: 14.15 min Scan# 2050

Delta R.T. 0.01 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

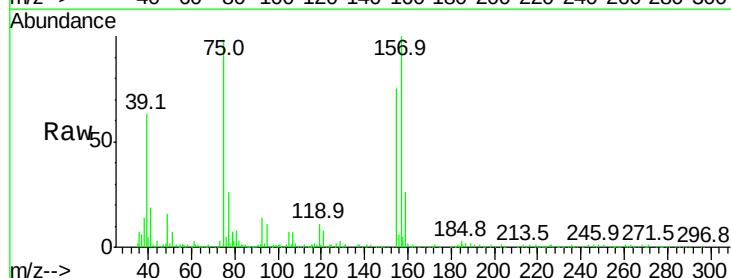
Tgt Ion: 75 Resp: 45801

Ion Ratio Lower Upper

75 100

155 76.4 79.3 118.9#

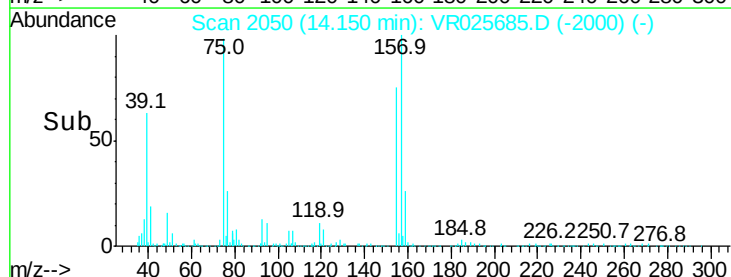
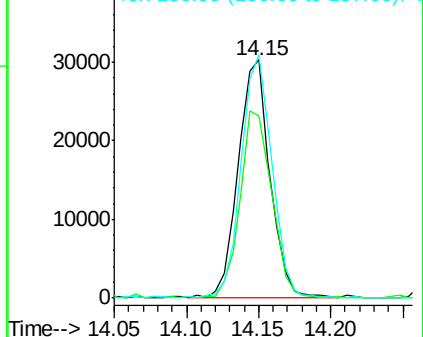
157 102.3 81.4 122.2

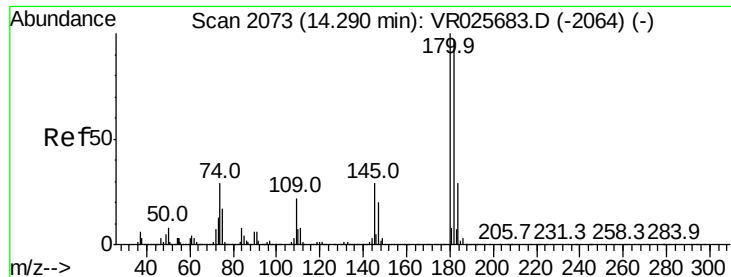


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 23.231 ug/L

RT: 14.29 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampled :

VSTD02095

Tgt Ion:180 Resp: 1205740

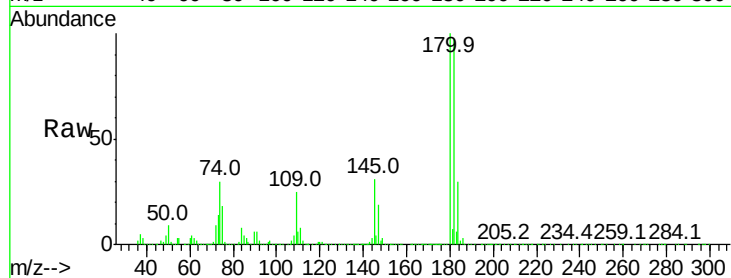
Ion Ratio Lower Upper

180 100

182 95.7 75.9 113.9

184 30.3 24.0 36.0

145 30.1 23.0 34.4

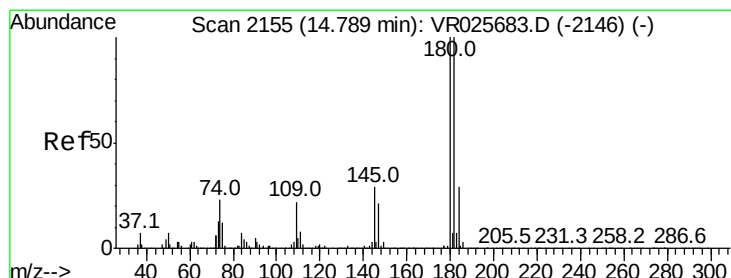
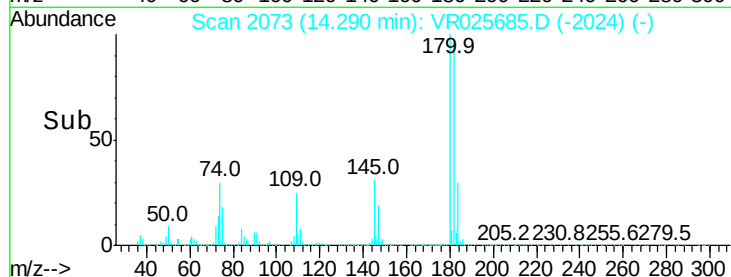
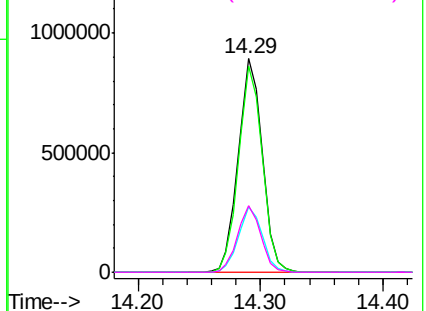


Abundance Ion 180.00 (179.70 to 180.70): V

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: 24.267 ug/L

RT: 14.78 min Scan# 2154

Delta R.T. -0.01 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

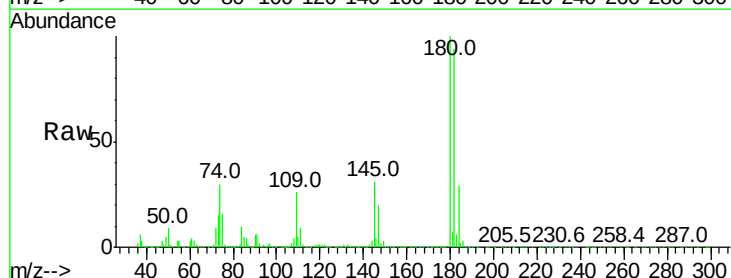
Tgt Ion:180 Resp: 781716

Ion Ratio Lower Upper

180 100

182 94.3 76.6 115.0

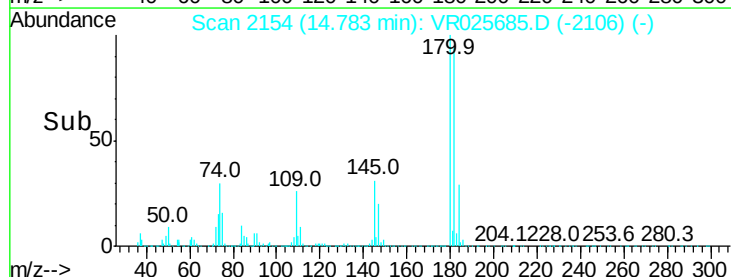
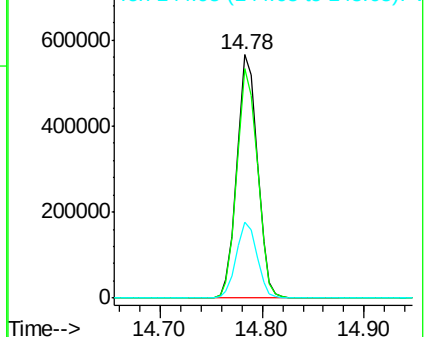
145 31.5 24.8 37.2

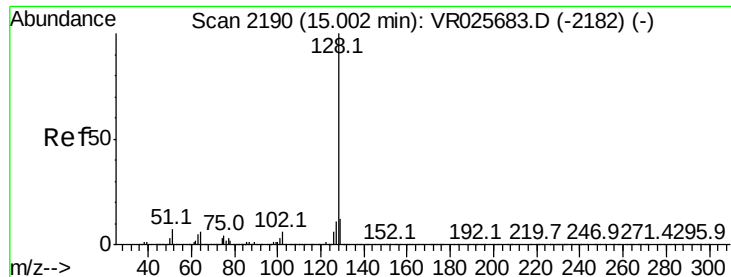


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 25.595 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

Instrument :

MSVOA_R

ClientSampleId :

VSTD02095

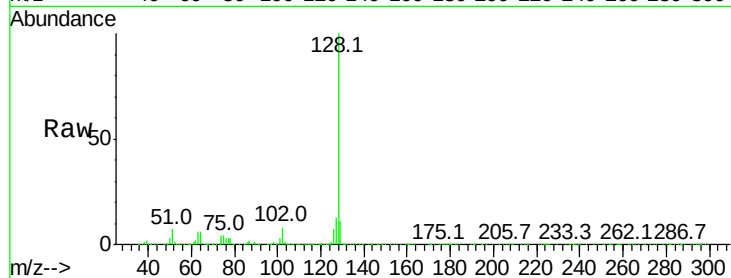
Tgt Ion:128 Resp: 1018171

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

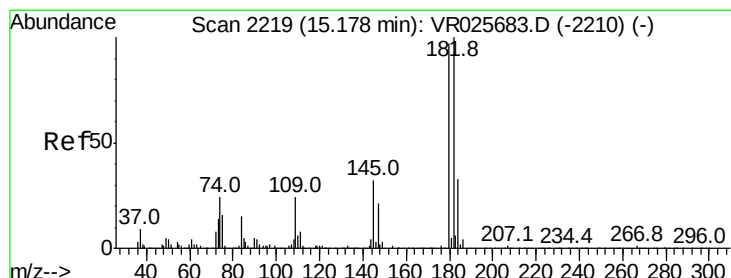
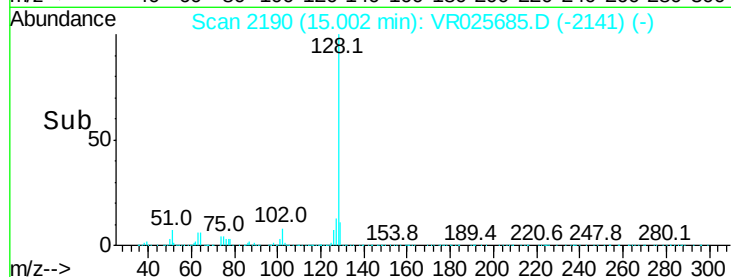
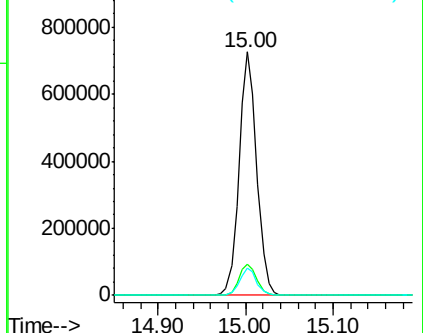
129 10.8 9.0 13.6



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: 22.834 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025685.D

Acq: 7 Sep 2018 11:45

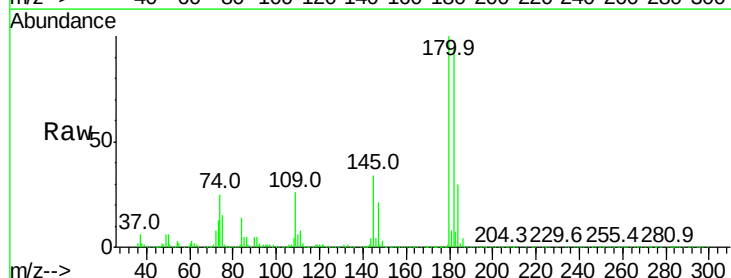
Tgt Ion:180 Resp: 571837

Ion Ratio Lower Upper

180 100

182 96.0 80.2 120.4

145 33.0 25.8 38.6



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

