

Data File : VR025436.D
Acq On : 5 Jul 2018 12:54
Operator : SY/MD
Sample : VSTD00182
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Quant Time: Jul 05 14:56:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 05 12:32:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	665132	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	559783	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	208852	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	19673	0.87	ug/L	0.00
7) Chloroethane-d5	2.63	69	16983	1.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	57391	0.98	ug/L	-0.01
20) 2-Butanone-d5	6.60	46	48819	8.04	ug/L	0.00
24) Chloroform-d	7.20	84	95081	1.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	35804	1.11	ug/L	0.00
32) Benzene-d6	7.85	84	181521	0.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	55199	1.02	ug/L	0.00
41) Toluene-d8	9.97	98	167389	1.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	12129	0.85	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	38786	7.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	24647	1.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	34551	0.98	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	41226	0.959 ug/L	97
3) Chloromethane	2.00	50	24001	0.771 ug/L	94
5) Vinyl chloride	2.16	62	21777	0.791 ug/L #	82
6) Bromomethane	2.52	94	13209	0.984 ug/L	81
8) Chloroethane	2.66	64	13044	0.907 ug/L	89
9) Trichlorofluoromethane	2.95	101	9834	0.244 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	22644	0.960 ug/L	99
12) 1,1-Dichloroethene	3.65	96	21378	0.914 ug/L	88
13) Acetone	3.71	43	26166	9.541 ug/L	72
14) Carbon disulfide	3.96	76	45671	0.928 ug/L	98
15) Methyl Acetate	4.19	43	5883	0.853 ug/L #	78
16) Methylene chloride	4.41	84	11360	0.534 ug/L	83
17) Methyl tert-butyl Ether	4.91	73	65708	0.943 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	51435	1.070 ug/L	87
19) 1,1-Dichloroethane	5.70	63	87229	0.966 ug/L	91
21) 2-Butanone	6.70	43	56832	8.767 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	41843	0.834 ug/L	96
23) Bromochloromethane	7.05	128	15202	1.035 ug/L #	88
25) Chloroform	7.24	83	85402	1.035 ug/L	95
27) 1,2-Dichloroethane	7.99	62	37286	0.990 ug/L #	90
29) 1,1,1-Trichloroethane	7.42	97	58360	0.878 ug/L	99
30) Cyclohexane	7.52	56	51582	0.608 ug/L	97
31) Carbon tetrachloride	7.63	117	50018	0.857 ug/L	97
33) Benzene	7.91	78	200577	0.913 ug/L	100
34) Trichloroethene	8.71	95	50496	0.950 ug/L	97
35) Methylcyclohexane	8.96	83	57246	0.682 ug/L	95
37) 1,2-Dichloropropane	8.99	63	47278	0.968 ug/L #	94
38) Bromodichloromethane	9.28	83	42962	0.907 ug/L #	98
39) cis-1,3-Dichloropropene	9.72	75	41341	0.718 ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	125646	7.947 ug/L	98

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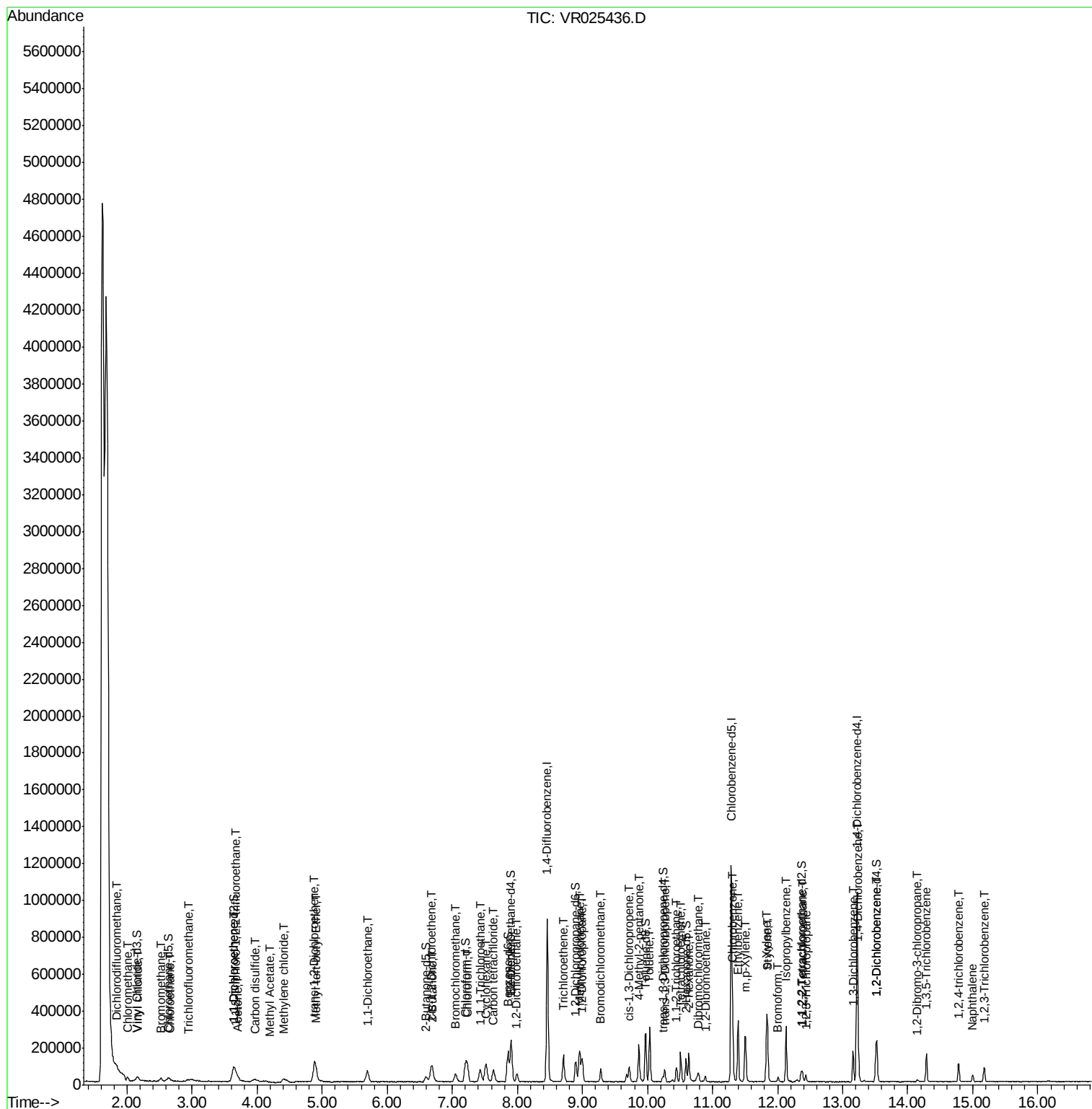
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	191346	0.812	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	32927	0.832	ug/L	94
45) 1,1,2-Trichloroethane	10.44	97	21619	0.953	ug/L	94
47) Tetrachloroethene	10.51	164	32219	0.908	ug/L	91
48) 2-Hexanone	10.64	43	90759	9.005	ug/L	97
49) Dibromochloromethane	10.78	129	21714	0.994	ug/L	86
50) 1,2-Dibromoethane	10.89	107	17680	0.972	ug/L	87
51) Chlorobenzene	11.31	112	120261	0.953	ug/L	99
52) Ethylbenzene	11.39	91	201018	0.860	ug/L	100
53) m,p-Xylene	11.51	106	73650	0.826	ug/L	89
54) o-Xylene	11.83	106	64835	0.813	ug/L	100
55) Styrene	11.85	104	111836	0.913	ug/L	97
56) Isopropylbenzene	12.13	105	164194	0.766	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	22449	1.069	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	16006	1.056	ug/L	97
61) Bromoform	12.01	173	8002	1.074	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	59051	0.806	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	71574	0.977	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	56828	0.967	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	2409	1.038	ug/L #	63
67) 1,3,5-Trichlorobenzene	14.29	180	40137	0.827	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	25106	0.743	ug/L	94
69) Naphthalene	15.00	128	24374	0.554	ug/L #	96
70) 1,2,3-Trichlorobenzene	15.18	180	19969	0.764	ug/L	93

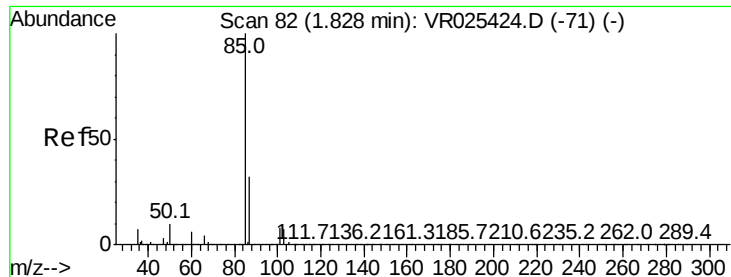
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.959 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.01 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :

MSVOA_R

ClientSampleId :

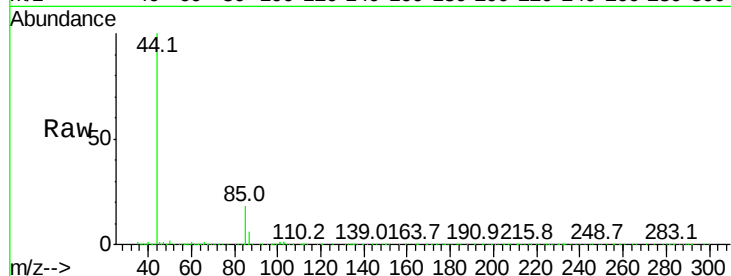
VSTD00182

Tgt Ion: 85 Resp: 41226

Ion Ratio Lower Upper

85 100

87 30.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

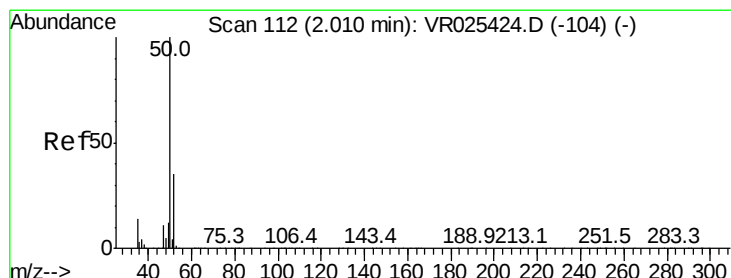
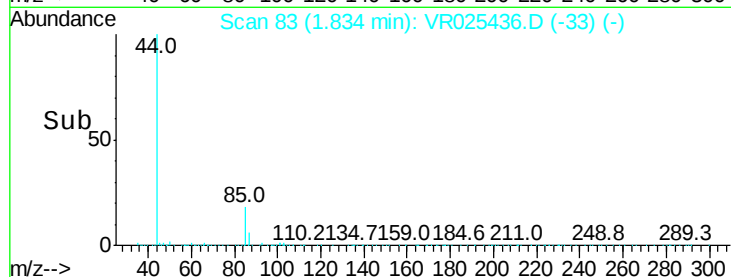
1.83

10000

5000

0

Time--> 1.70 1.80 1.90



#3

Chloromethane

Concen: 0.771 ug/L

RT: 2.00 min Scan# 111

Delta R.T. -0.01 min

Lab File: VR025436.D

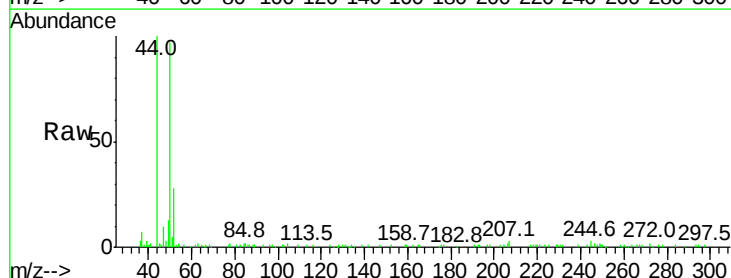
Acq: 5 Jul 2018 12:54

Tgt Ion: 50 Resp: 24001

Ion Ratio Lower Upper

50 100

52 29.2 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

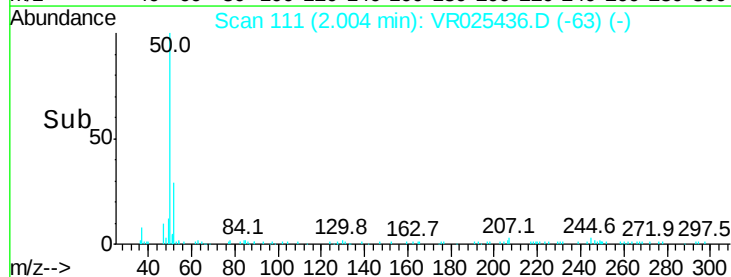
2.00

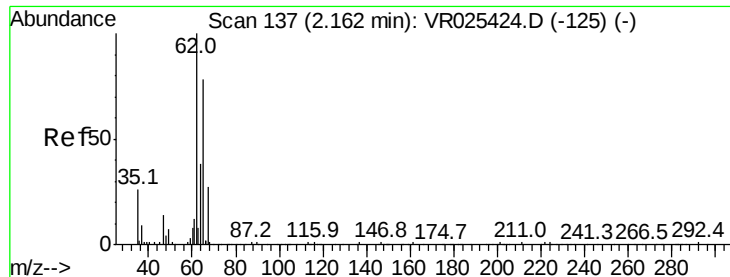
10000

5000

0

Time--> 1.90 2.00 2.10





#5

Vinyl chloride

Concen: 0.791 ug/L

RT: 2.16 min Scan# 137

Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :

MSVOA_R

ClientSampleId :

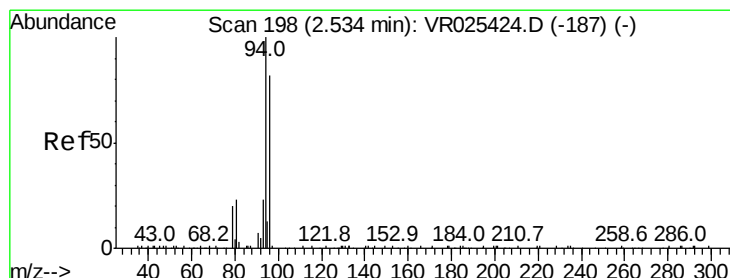
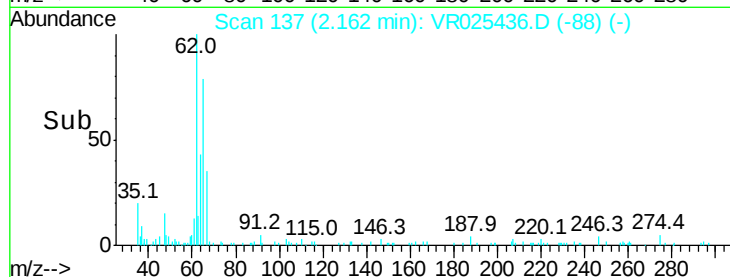
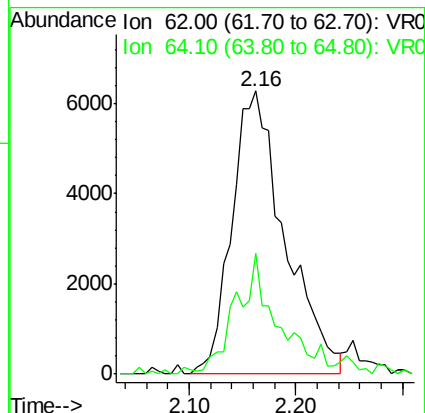
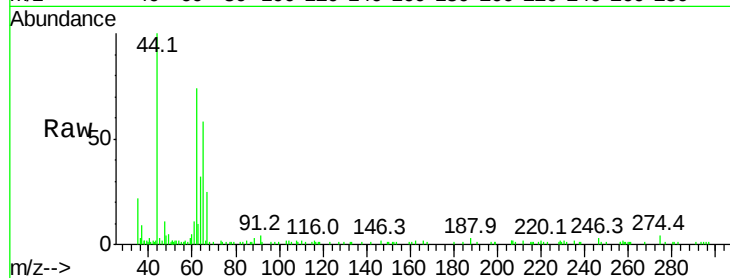
VSTD00182

Tgt Ion: 62 Resp: 21777

Ion Ratio Lower Upper

62 100

64 42.8 22.8 42.4#



#6

Bromomethane

Concen: 0.984 ug/L

RT: 2.52 min Scan# 196

Delta R.T. -0.01 min

Lab File: VR025436.D

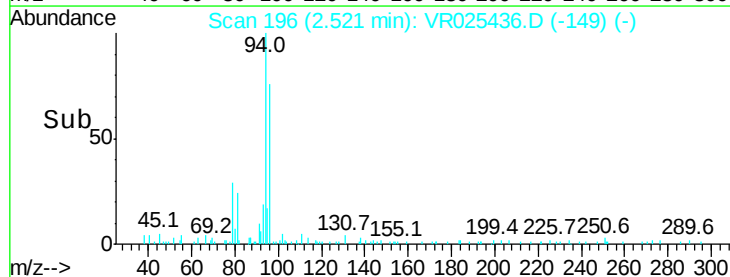
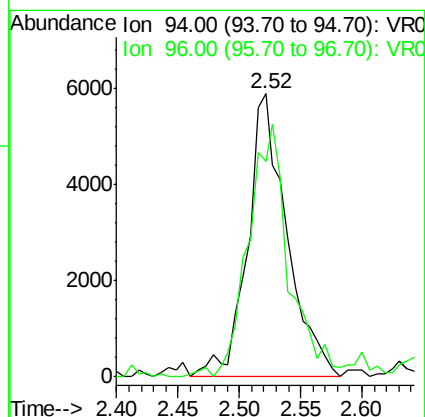
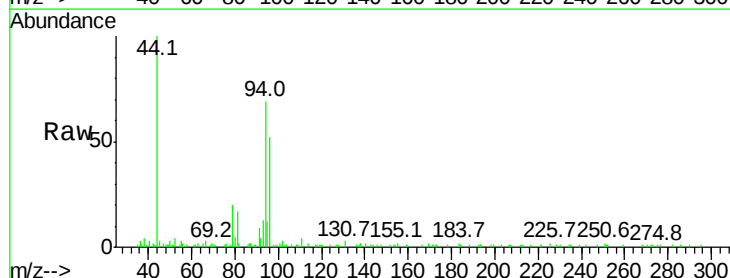
Acq: 5 Jul 2018 12:54

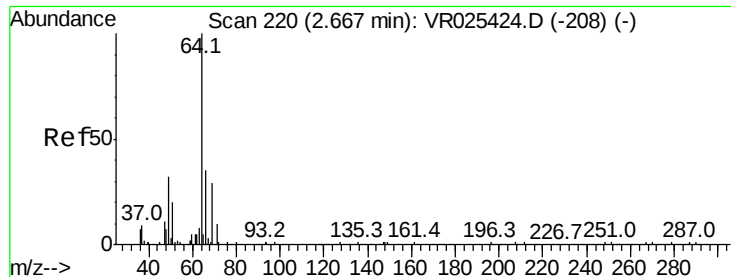
Tgt Ion: 94 Resp: 13209

Ion Ratio Lower Upper

94 100

96 76.2 65.9 122.3





#8

Chloroethane

Concen: 0.907 ug/L

RT: 2.66 min Scan# 219

Delta R.T. -0.01 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :

MSVOA_R

ClientSampled :

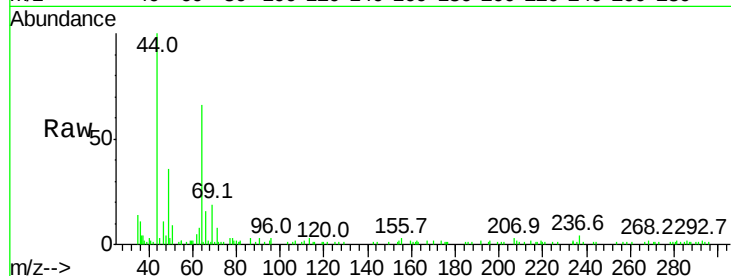
VSTD00182

Tgt Ion: 64 Resp: 13044

Ion Ratio Lower Upper

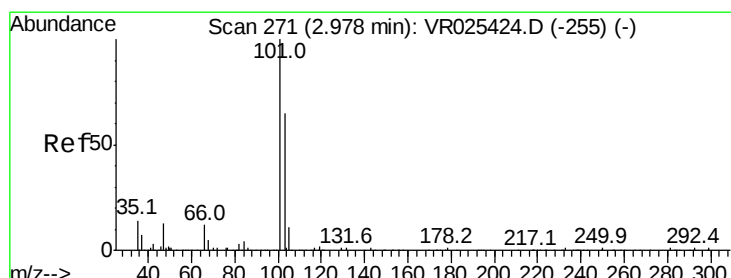
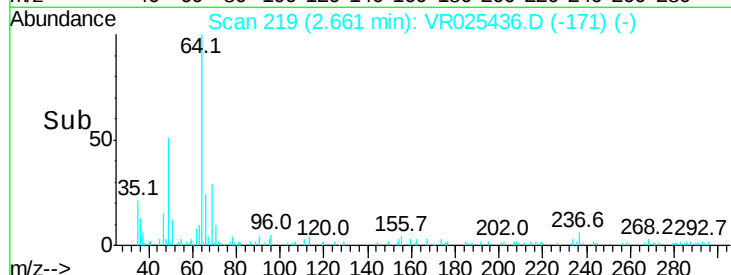
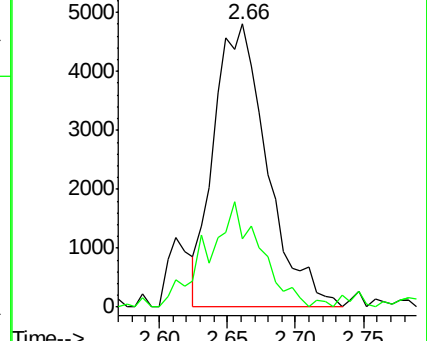
64 100

66 24.3 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 0.244 ug/L

RT: 2.95 min Scan# 266

Delta R.T. -0.03 min

Lab File: VR025436.D

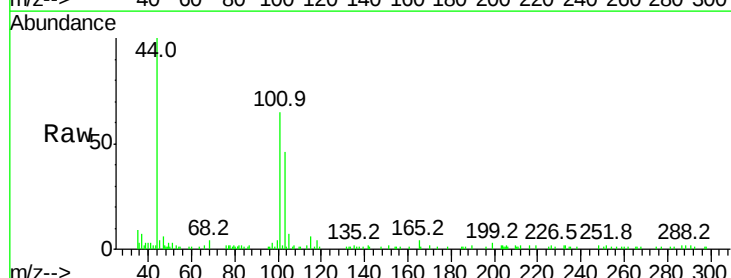
Acq: 5 Jul 2018 12:54

Tgt Ion: 101 Resp: 9834

Ion Ratio Lower Upper

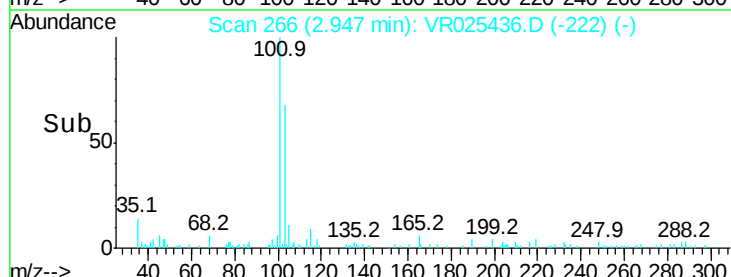
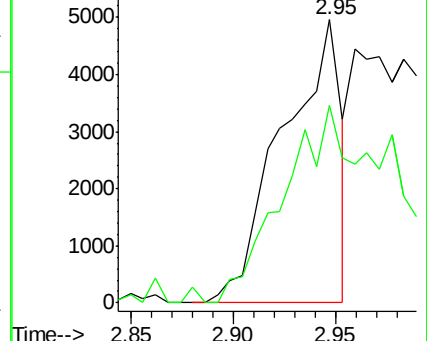
101 100

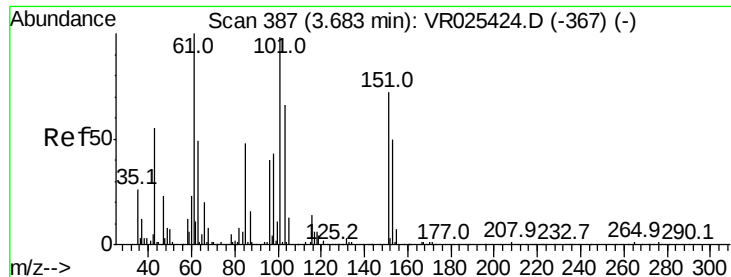
103 78.9 11.0 16.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.960 ug/L

RT: 3.67 min Scan# 385

Delta R.T. -0.01 min

Lab File: VR025436.D

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ClientSampleId :

VSTD00182

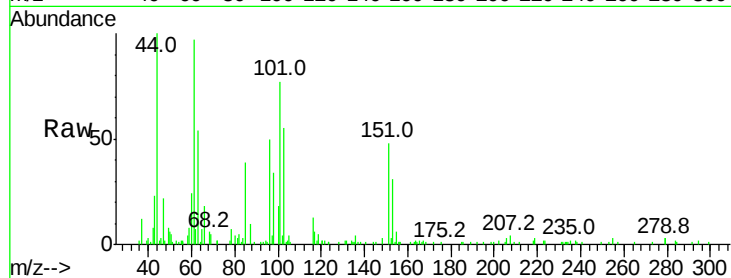
Tgt Ion:101 Resp: 22644

Ion Ratio Lower Upper

101 100

85 48.1 39.1 58.7

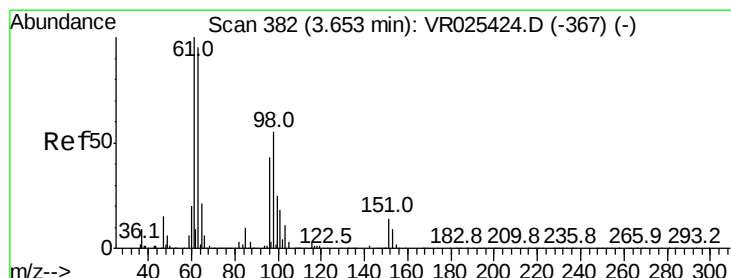
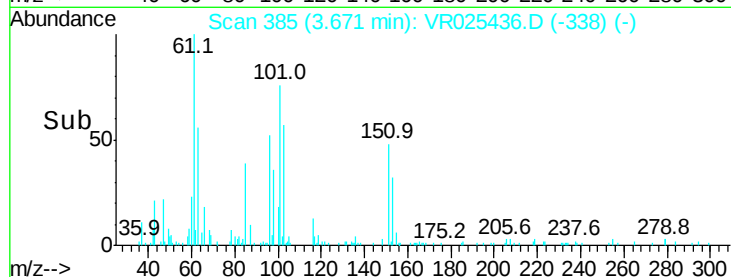
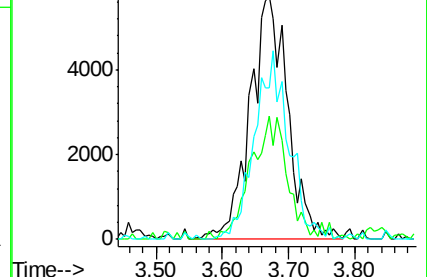
151 70.6 57.5 86.3



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: 0.914 ug/L

RT: 3.65 min Scan# 382

Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

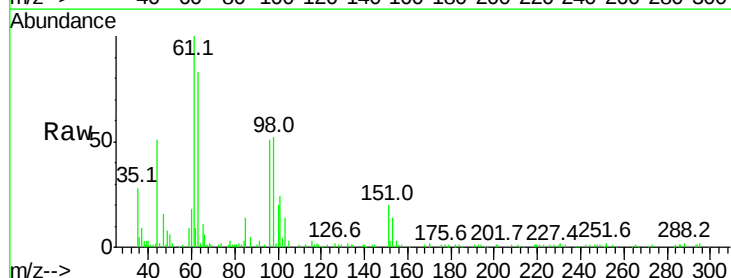
Tgt Ion: 96 Resp: 21378

Ion Ratio Lower Upper

96 100

61 197.0 155.0 287.9

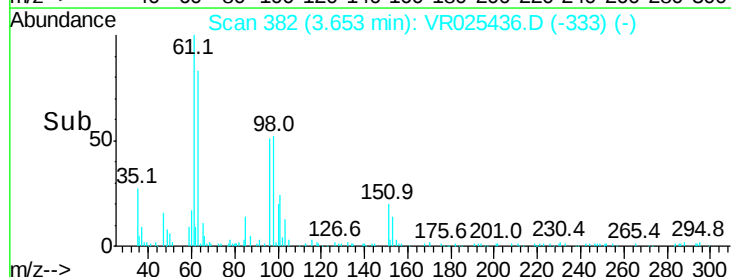
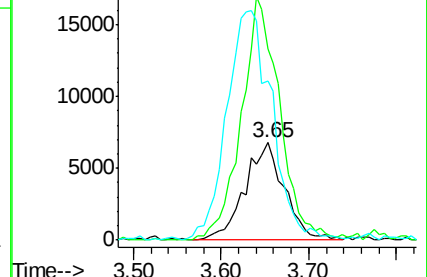
63 164.1 122.3 227.1

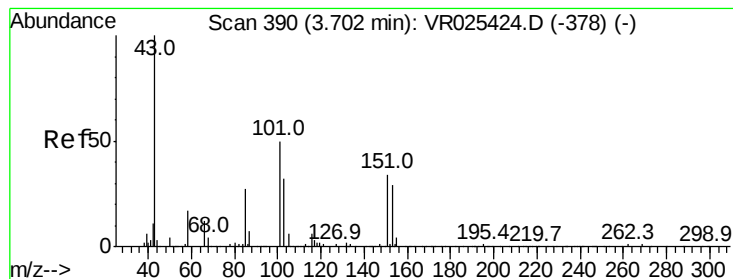


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 9.541 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

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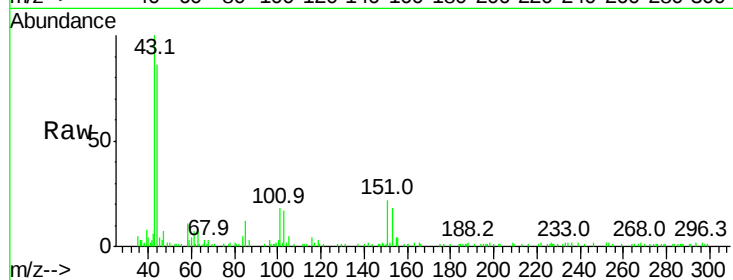
VSTD00182

Tgt Ion: 43 Resp: 26166

Ion Ratio Lower Upper

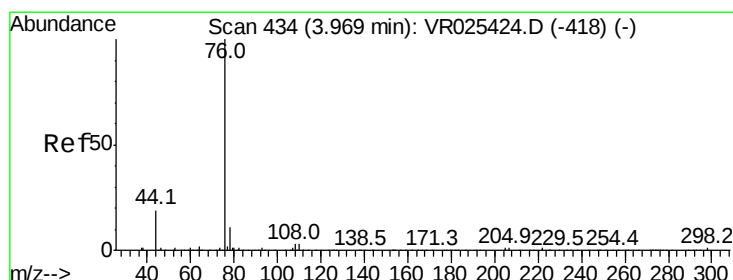
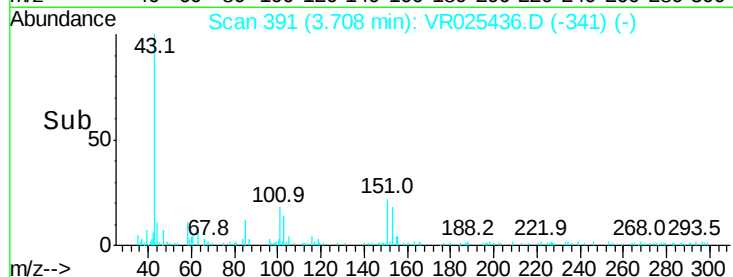
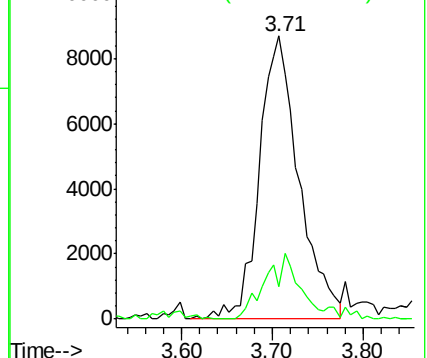
43 100

58 7.9 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 0.928 ug/L

RT: 3.96 min Scan# 433

Delta R.T. -0.01 min

Lab File: VR025436.D

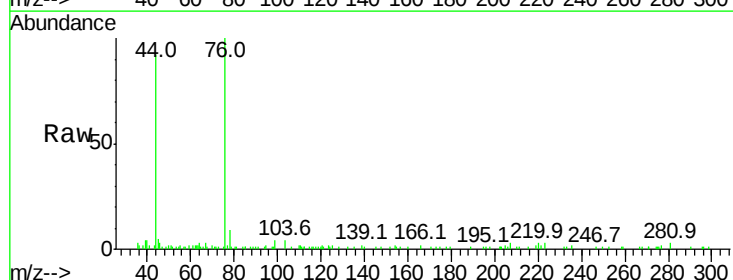
Acq: 5 Jul 2018 12:54

Tgt Ion: 76 Resp: 45671

Ion Ratio Lower Upper

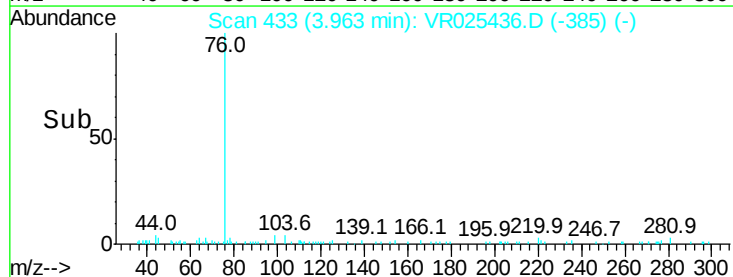
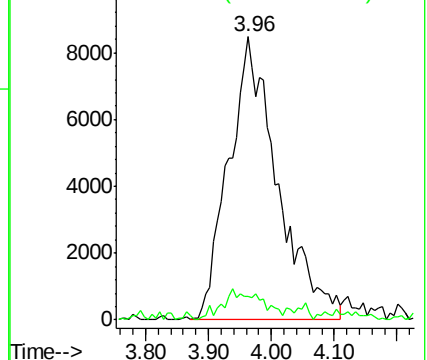
76 100

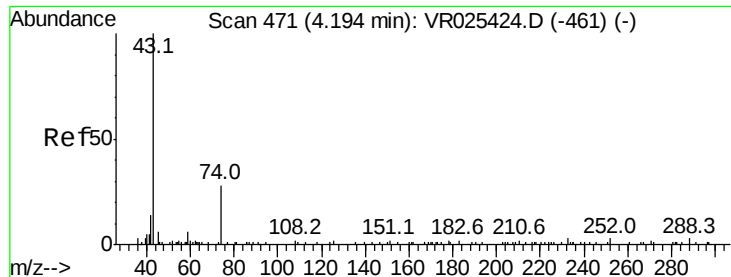
78 8.5 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0





#15

Methyl Acetate

Concen: 0.853 ug/L

RT: 4.19 min Scan# 470

Delta R.T. -0.01 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

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ClientSampled :

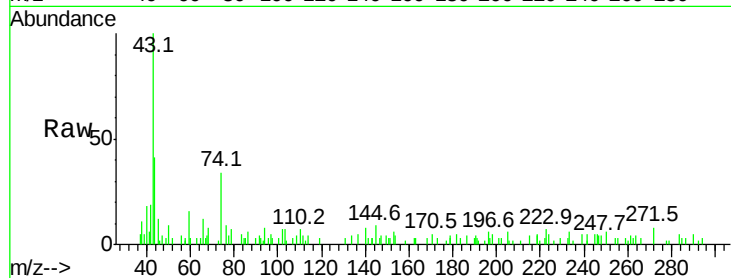
VSTD00182

Tgt Ion: 43 Resp: 5883

Ion Ratio Lower Upper

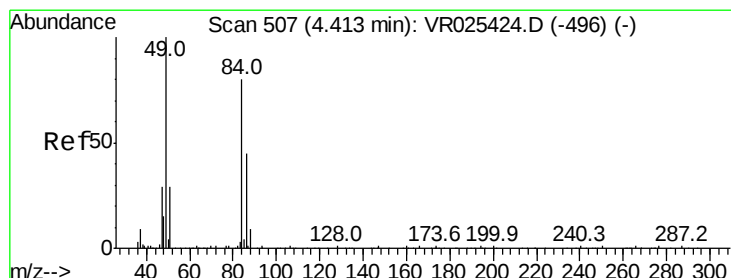
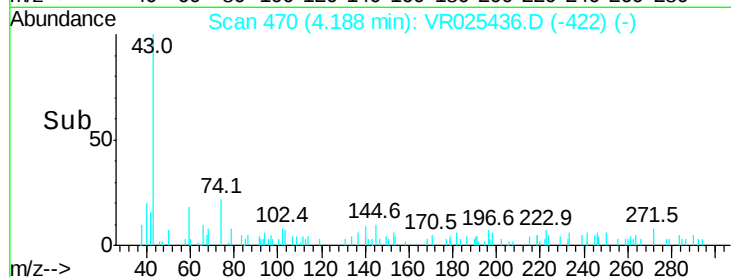
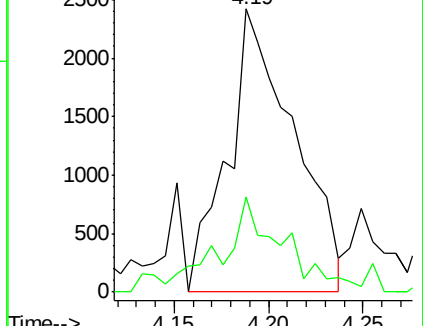
43 100

74 31.2 16.7 25.1#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 0.534 ug/L

RT: 4.41 min Scan# 506

Delta R.T. -0.01 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

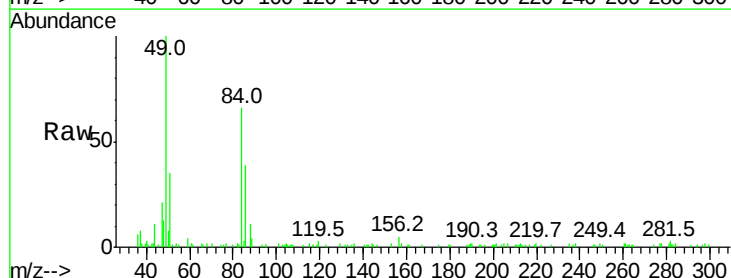
Tgt Ion: 84 Resp: 11360

Ion Ratio Lower Upper

84 100

86 59.3 43.7 81.1

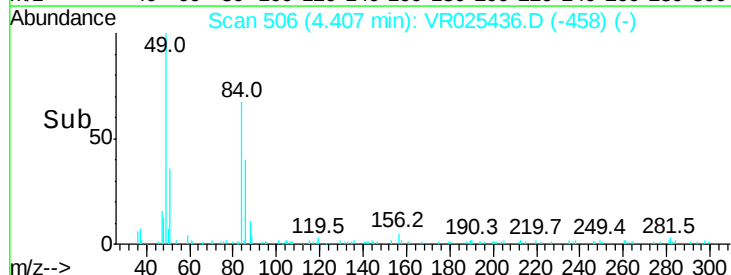
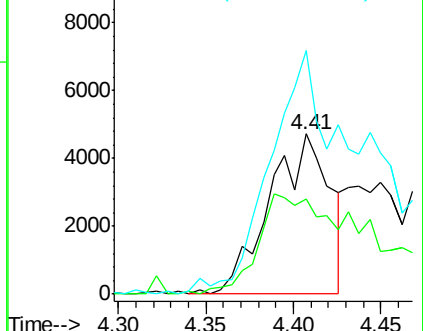
49 152.0 87.2 162.0

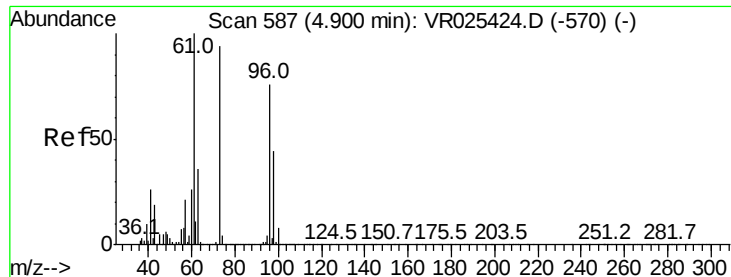


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

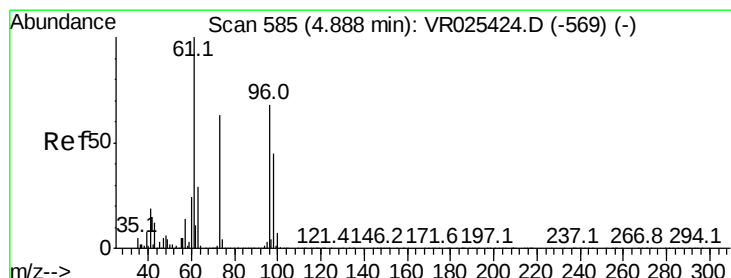
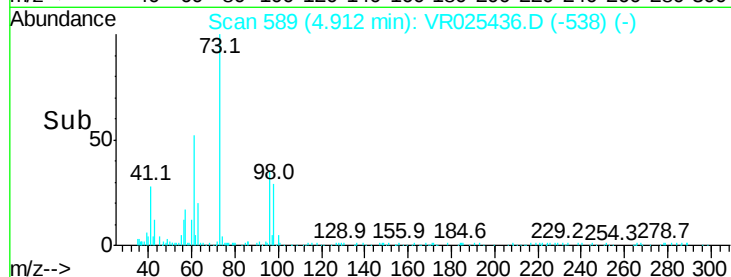
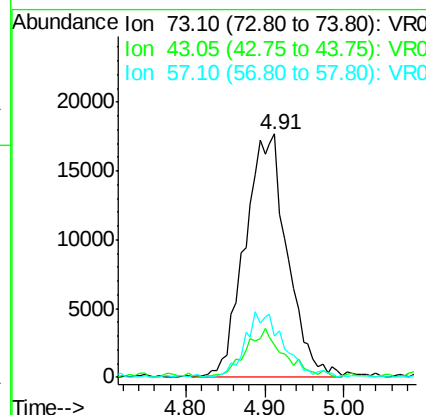
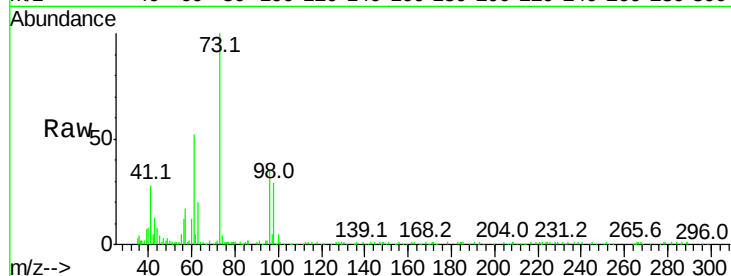




#17
Methyl tert-butyl Ether
Concen: 0.943 ug/L
RT: 4.91 min Scan# 589
Delta R.T. 0.01 min
Lab File: VR025436.D
Acq: 5 Jul 2018 12:54

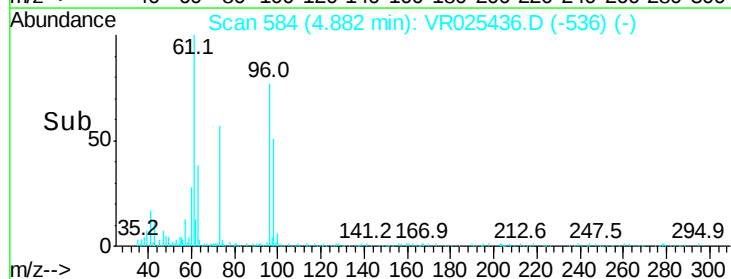
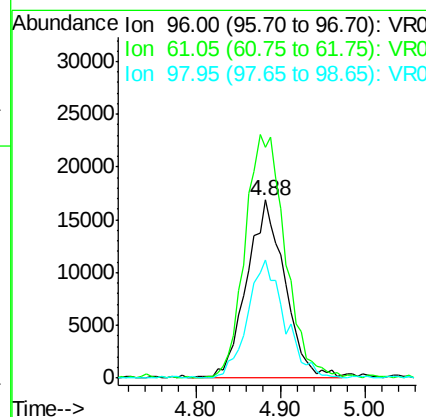
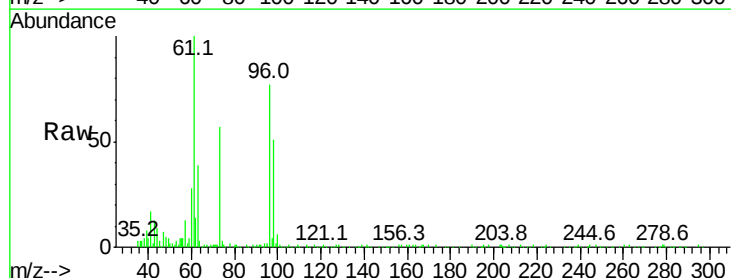
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

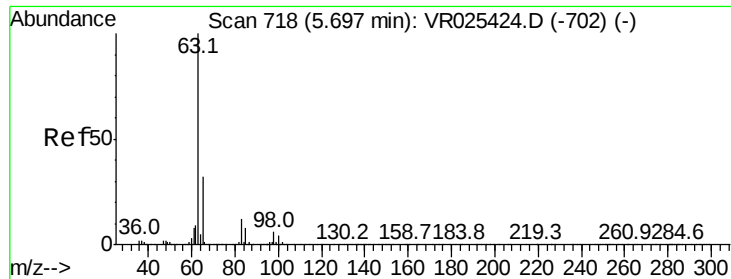
Tgt Ion: 73 Resp: 65708
Ion Ratio Lower Upper
73 100
43 18.1 15.8 23.6
57 23.1 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 1.070 ug/L
RT: 4.88 min Scan# 584
Delta R.T. -0.01 min
Lab File: VR025436.D
Acq: 5 Jul 2018 12:54

Tgt Ion: 96 Resp: 51435
Ion Ratio Lower Upper
96 100
61 129.7 104.4 193.8
98 66.5 43.1 80.1

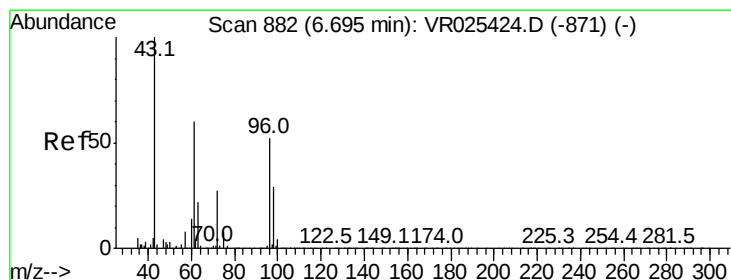
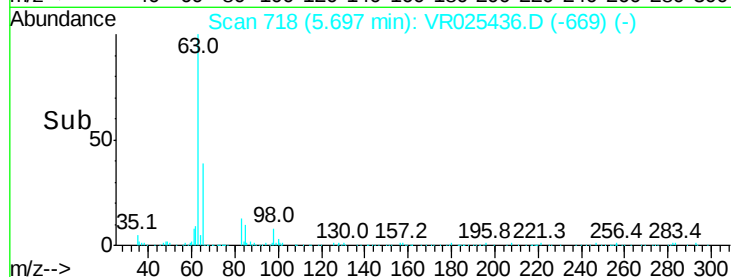
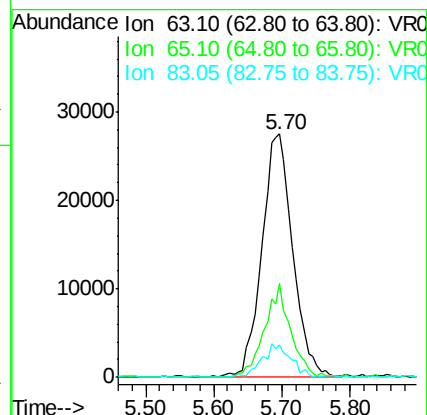
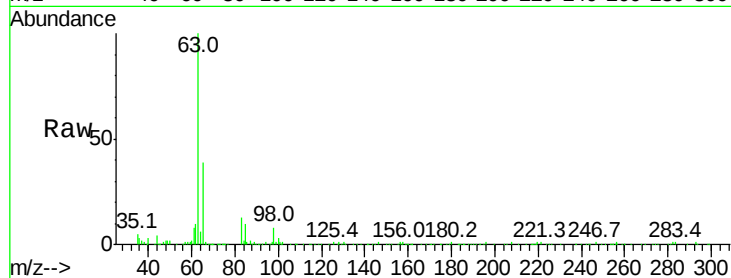




#19
 1,1-Dichloroethane
 Concen: 0.966 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

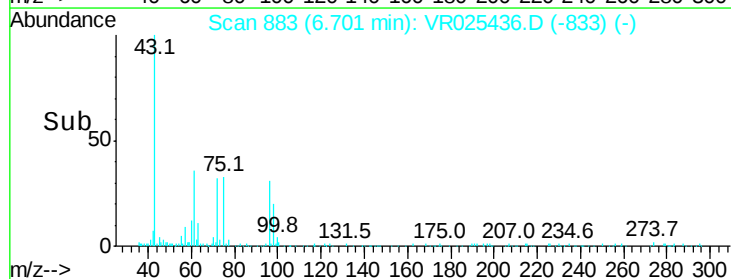
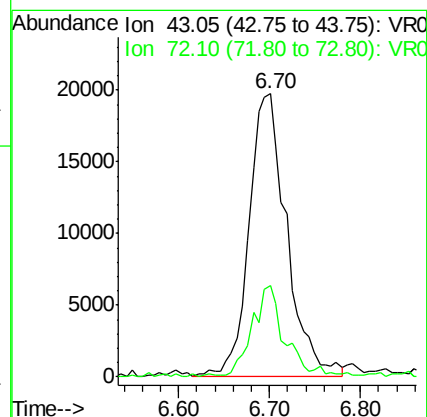
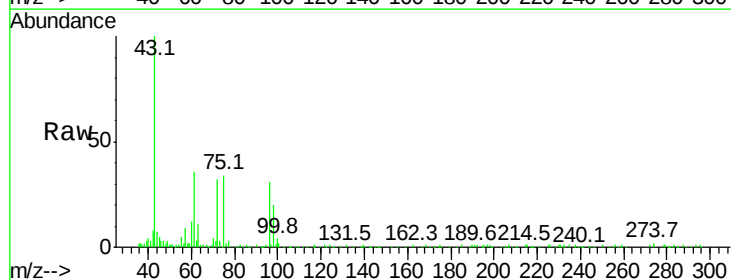
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

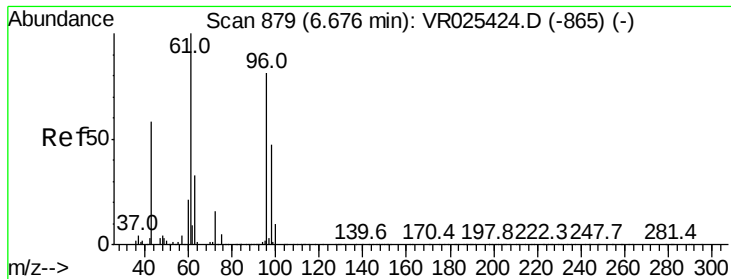
Tgt Ion:	63	Resp:	87229
Ion	Ratio	Lower	Upper
63	100		
65	38.8	22.5	41.7
83	13.4	9.5	17.7



#21
 2-Butanone
 Concen: 8.767 ug/L
 RT: 6.70 min Scan# 883
 Delta R.T. 0.01 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

Tgt Ion:	43	Resp:	56832
Ion	Ratio	Lower	Upper
43	100		
72	27.5	13.0	38.9



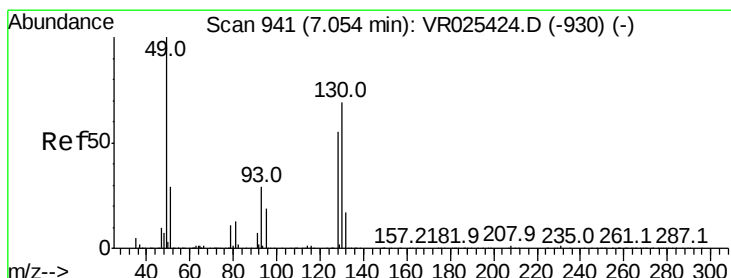
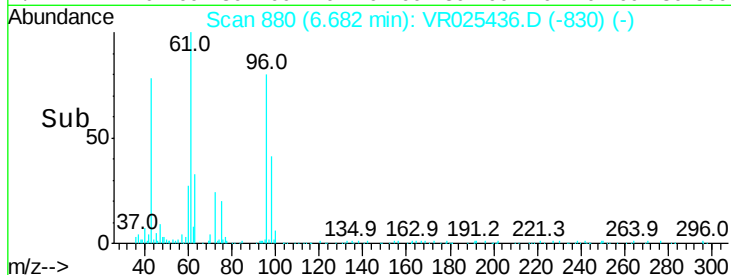
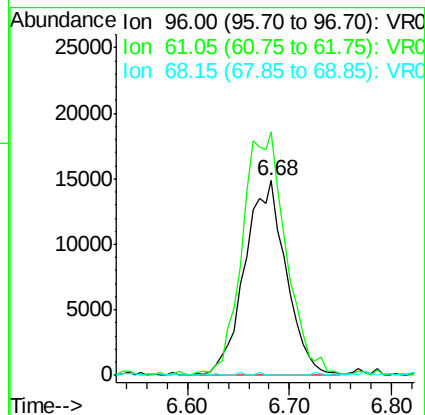
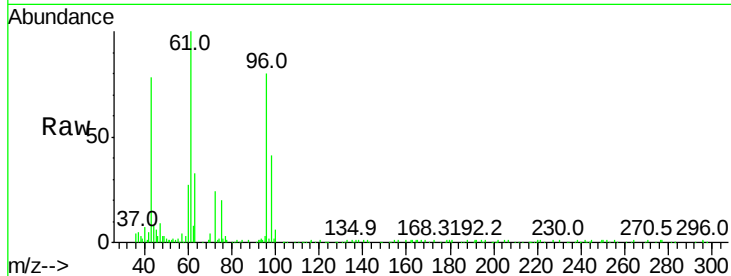


#22

cis-1,2-Dichloroethene
Concen: 0.834 ug/L
RT: 6.68 min Scan# 880
Delta R.T. 0.01 min
Lab File: VR025436.D
Acq: 5 Jul 2018 12:54

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

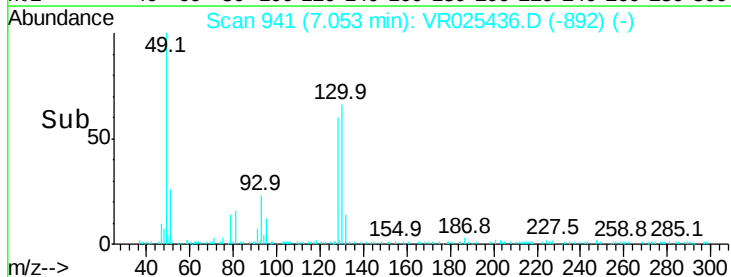
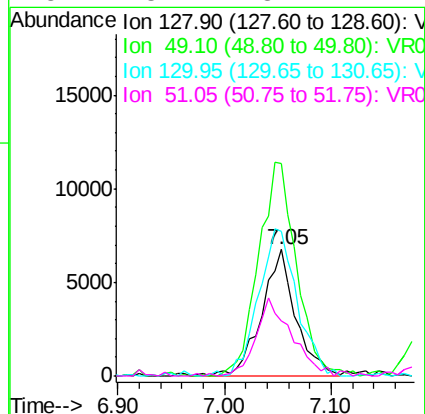
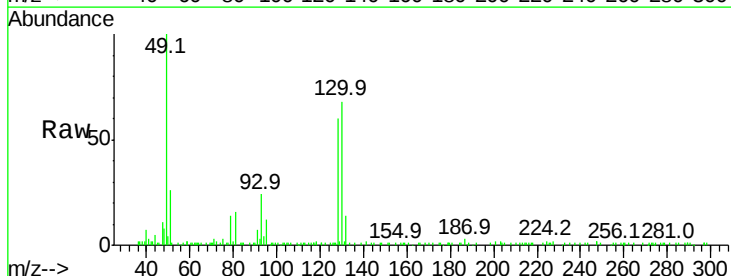
Tgt Ion: 96 Resp: 41843
Ion Ratio Lower Upper
96 100
61 125.1 91.0 169.0
68 0.0 0.0 0.0

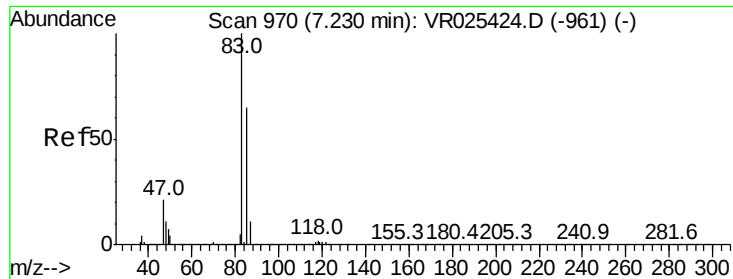


#23

Bromochloromethane
Concen: 1.035 ug/L
RT: 7.05 min Scan# 941
Delta R.T. -0.00 min
Lab File: VR025436.D
Acq: 5 Jul 2018 12:54

Tgt Ion: 128 Resp: 15202
Ion Ratio Lower Upper
128 100
49 167.6 128.7 238.9
130 113.9 87.2 161.9
51 43.4 48.2 72.2#





#25

Chloroform

Concen: 1.035 ug/L

RT: 7.24 min Scan# 971

Delta R.T. 0.01 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :

MSVOA_R

ClientSampleId :

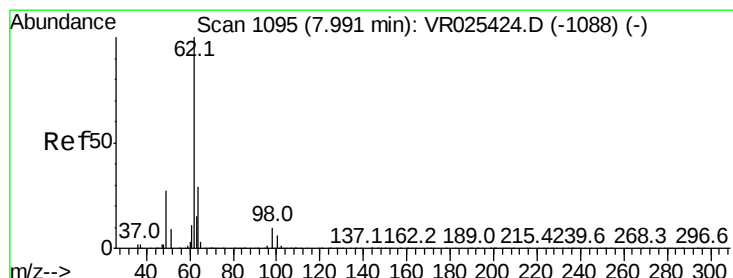
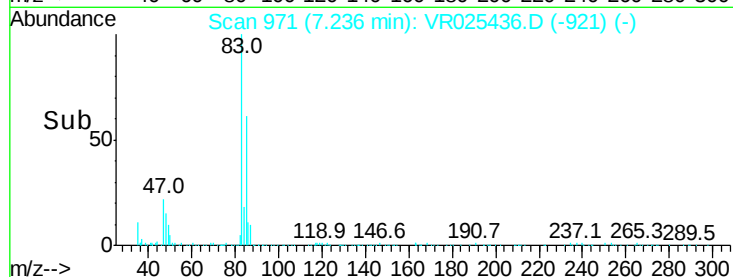
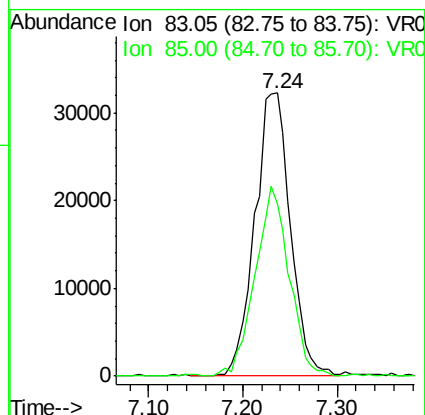
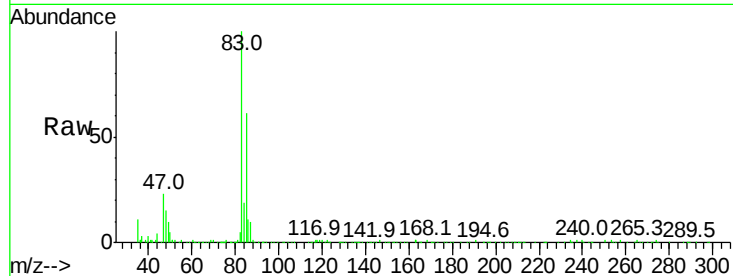
VSTD00182

Tgt Ion: 83 Resp: 85402

Ion Ratio Lower Upper

83 100

85 60.6 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.990 ug/L

RT: 7.99 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VR025436.D

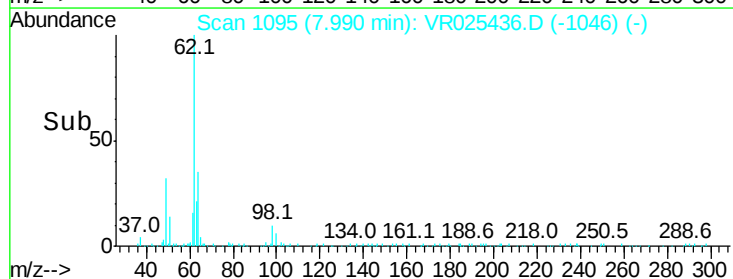
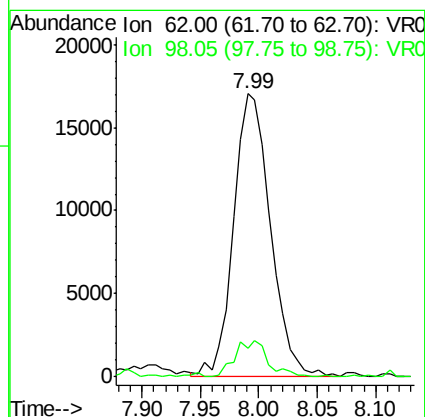
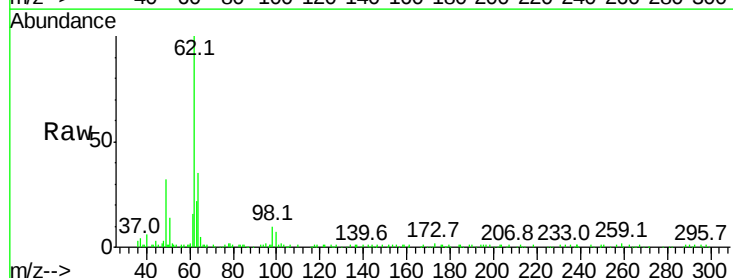
Acq: 5 Jul 2018 12:54

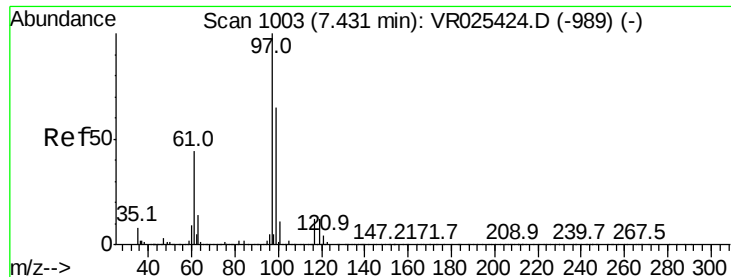
Tgt Ion: 62 Resp: 37286

Ion Ratio Lower Upper

62 100

98 10.1 5.4 8.2#





#29

1,1,1-Trichloroethane

Concen: 0.878 ug/L

RT: 7.42 min Scan# 1002

Delta R.T. -0.01 min

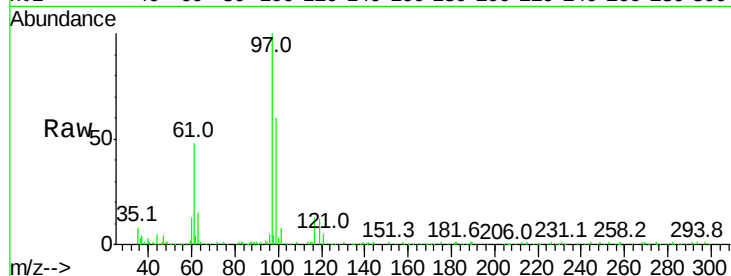
Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :
MSVOA_R
ClientSampled :
VSTD00182

Tgt Ion: 97 Resp: 58360

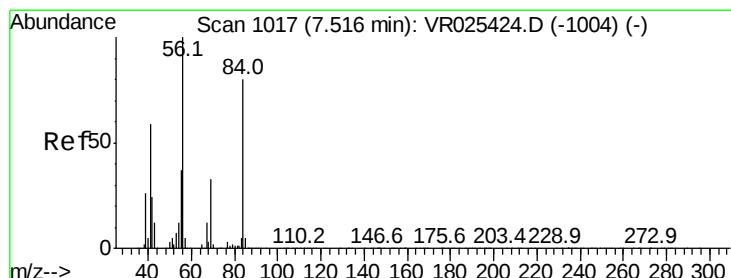
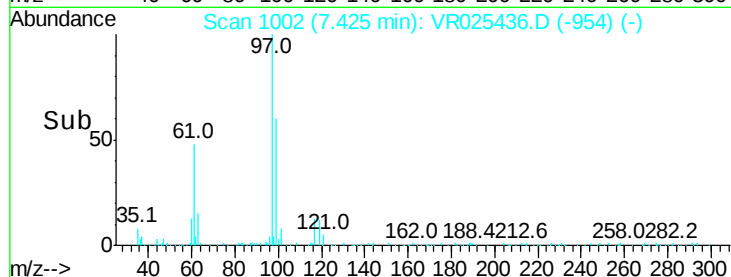
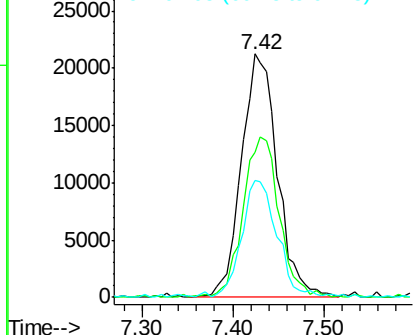
Ion	Ratio	Lower	Upper
97	100		
99	66.2	52.1	78.1
61	47.2	37.0	55.6



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: 0.608 ug/L

RT: 7.52 min Scan# 1018

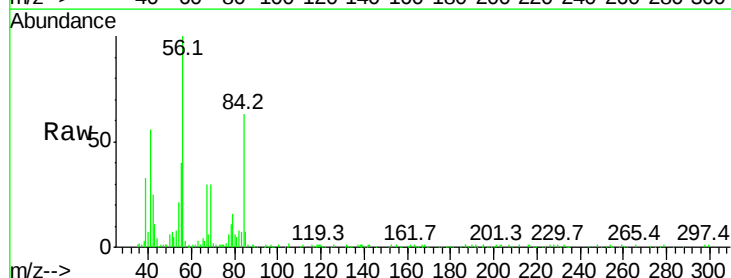
Delta R.T. 0.01 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Tgt Ion: 56 Resp: 51582

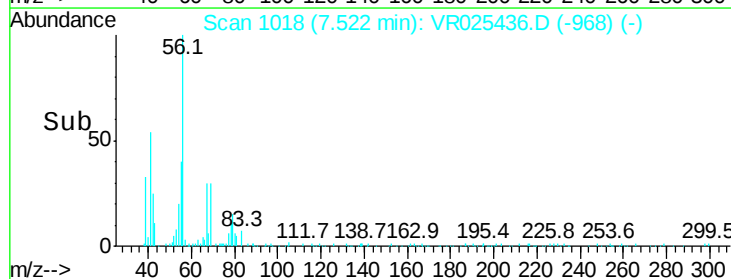
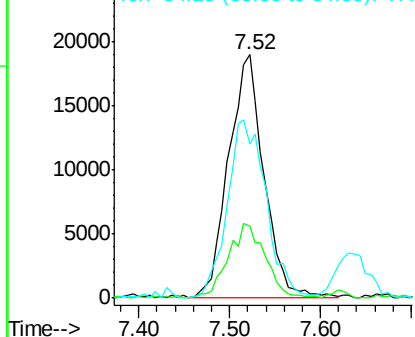
Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.7	35.5
84	79.9	62.6	93.8

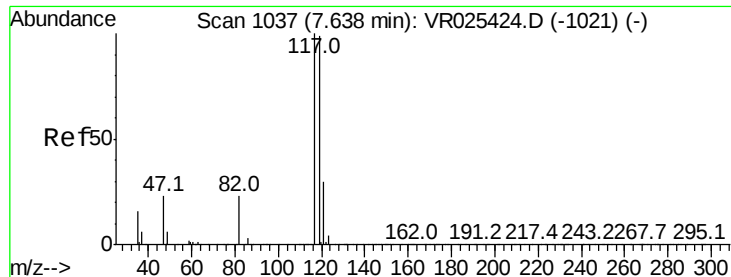


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 0.857 ug/L

RT: 7.63 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :

MSVOA_R

ClientSampleId :

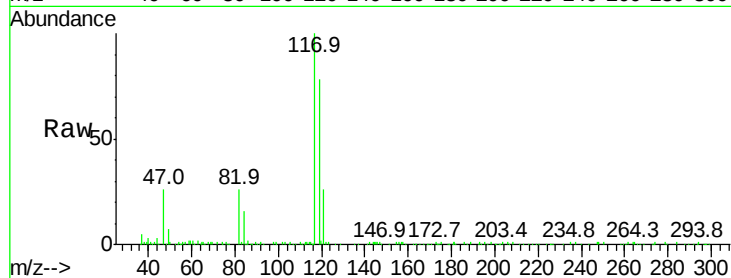
VSTD00182

Tgt Ion:117 Resp: 50018

Ion Ratio Lower Upper

117 100

119 91.5 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

25000

20000

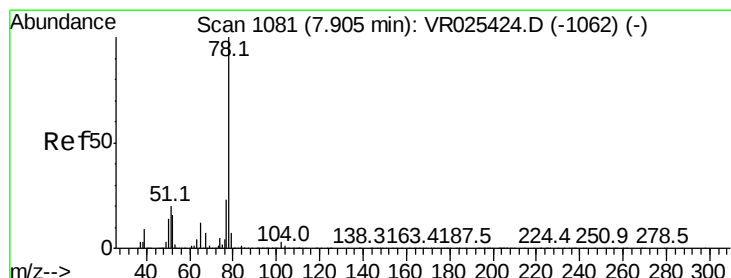
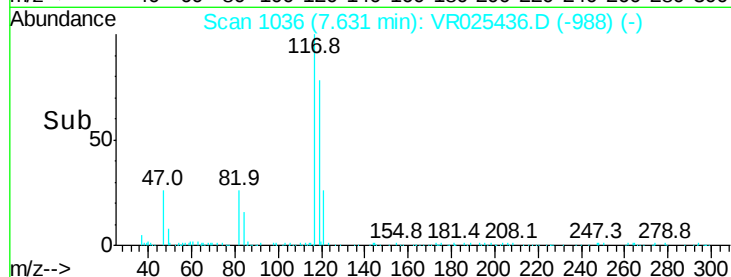
15000

10000

5000

0

Time--> 7.50 7.60 7.70



#33

Benzene

Concen: 0.913 ug/L

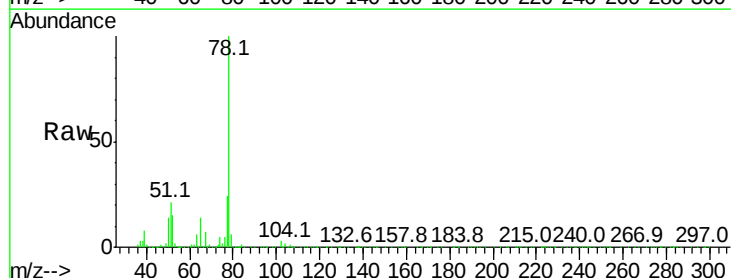
RT: 7.91 min Scan# 1081

Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Tgt Ion: 78 Resp: 200577



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

100000

80000

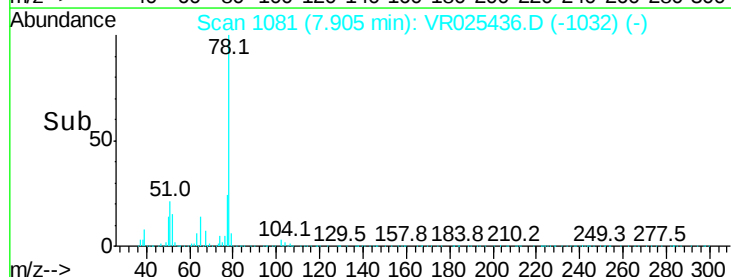
60000

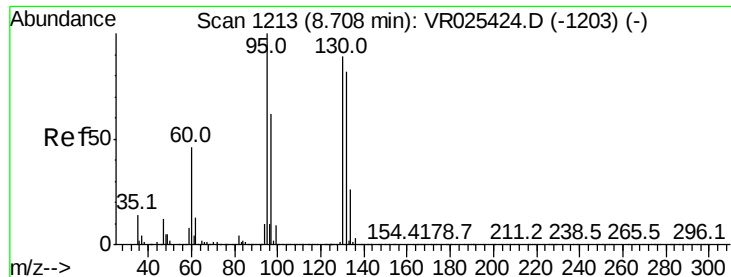
40000

20000

0

Time--> 7.80 7.90 8.00

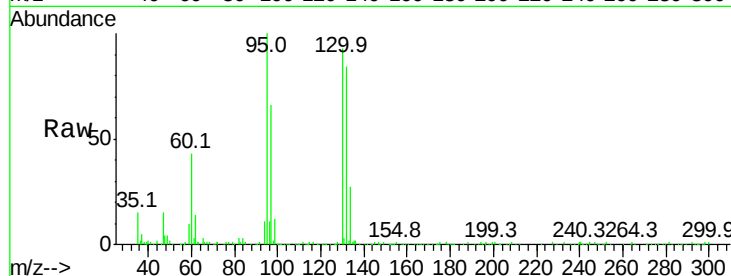




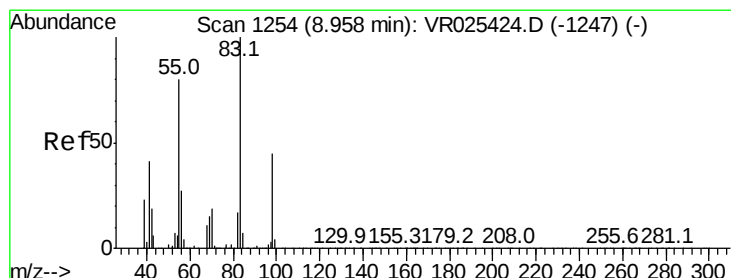
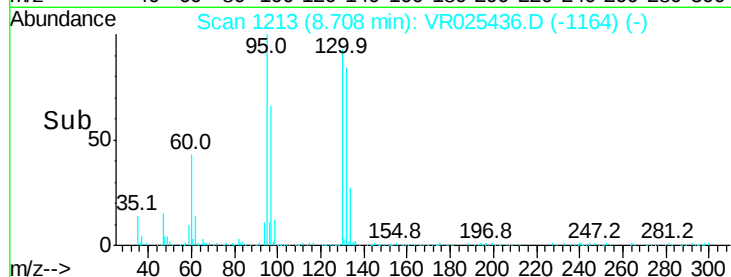
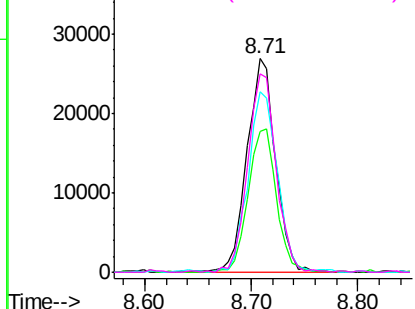
#34
 Trichloroethene
 Concen: 0.950 ug/L
 RT: 8.71 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

Tgt Ion:	95	Resp:	50496
Ion	Ratio	Lower	Upper
95	100		
97	66.2	45.6	84.6
132	84.4	60.9	113.1
130	93.0	62.0	115.2

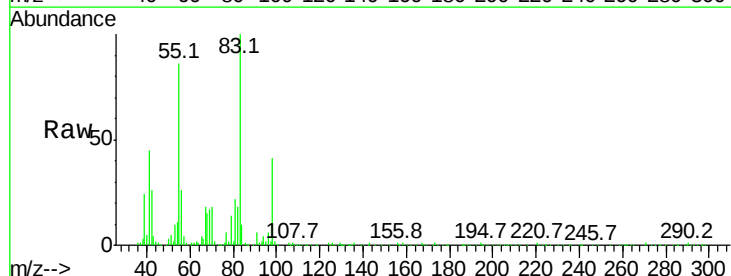


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

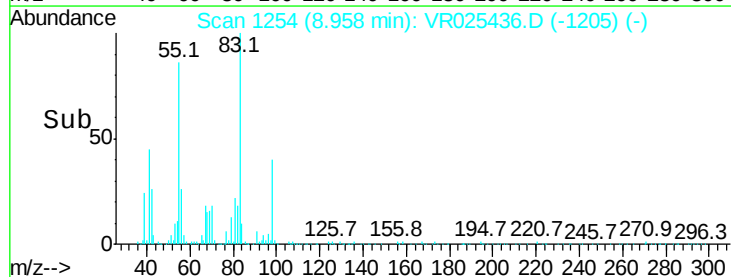
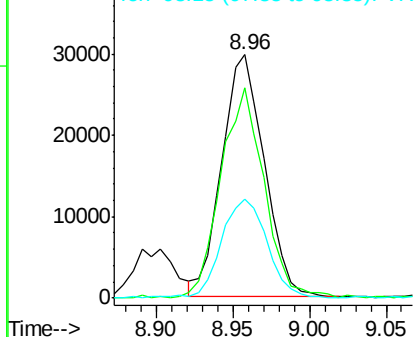


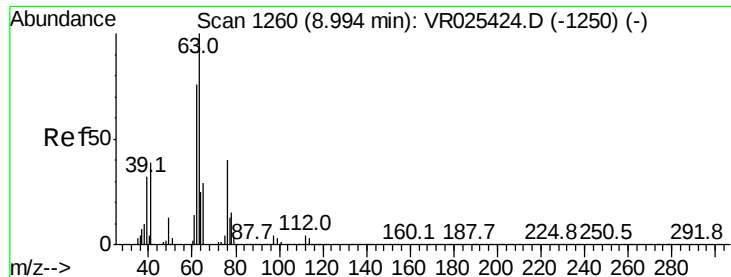
#35
 Methylcyclohexane
 Concen: 0.682 ug/L
 RT: 8.96 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

Tgt Ion:	83	Resp:	57246
Ion	Ratio	Lower	Upper
83	100		
55	88.4	66.1	99.1
98	44.4	36.2	54.4



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: 0.968 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. -0.00 min

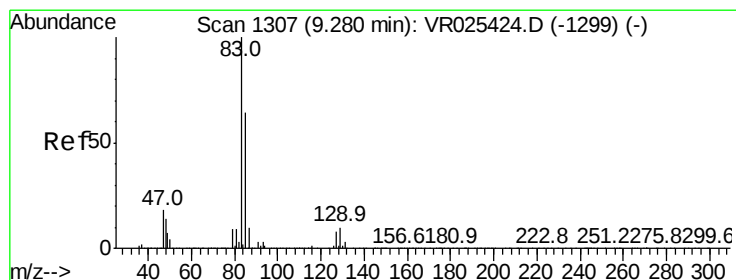
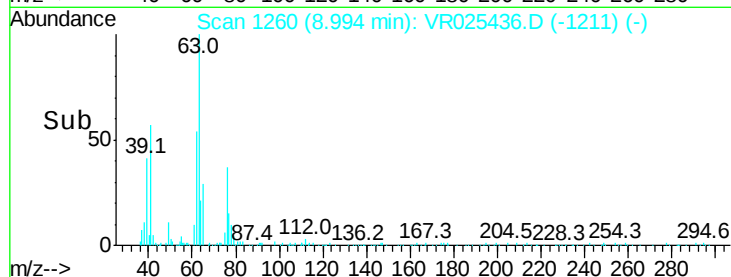
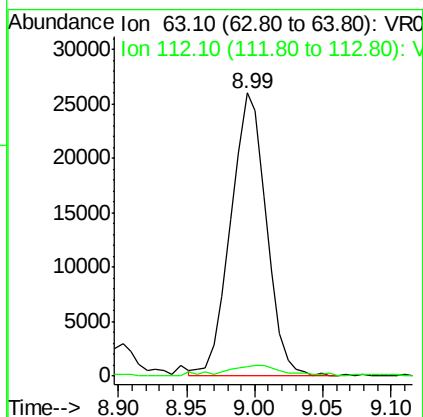
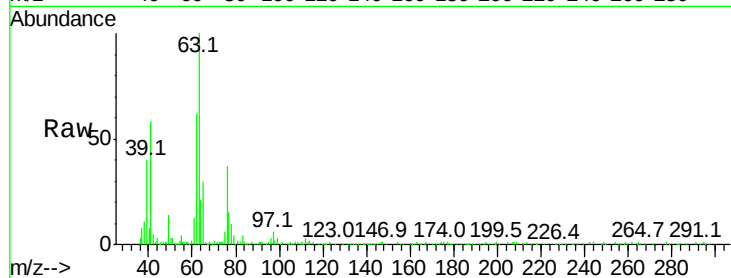
Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion: 63 Resp: 47278

Ion	Ratio	Lower	Upper
63	100		
112	5.5	2.9	4.3#



#38

Bromodichloromethane

Concen: 0.907 ug/L

RT: 9.28 min Scan# 1307

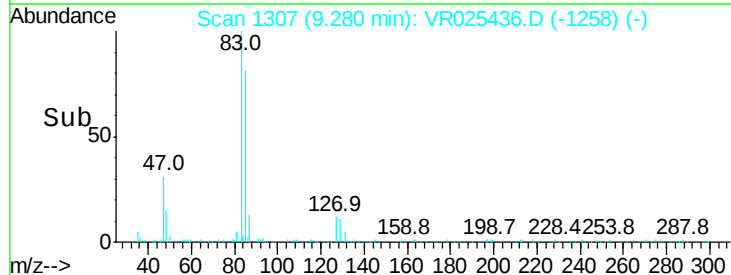
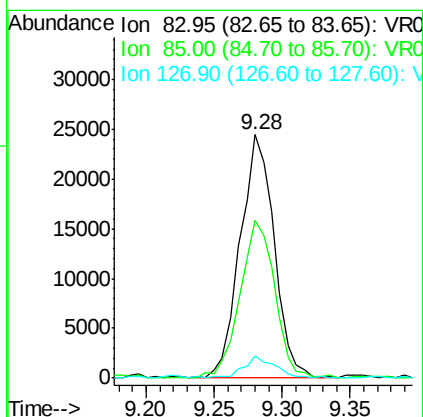
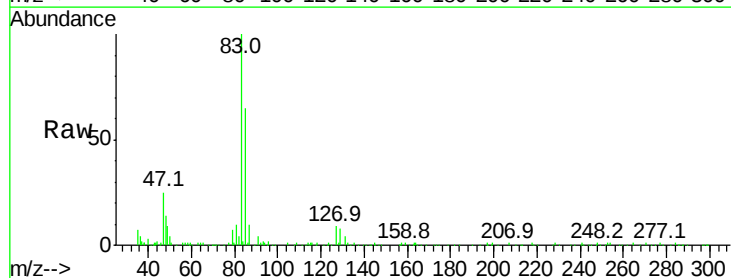
Delta R.T. -0.00 min

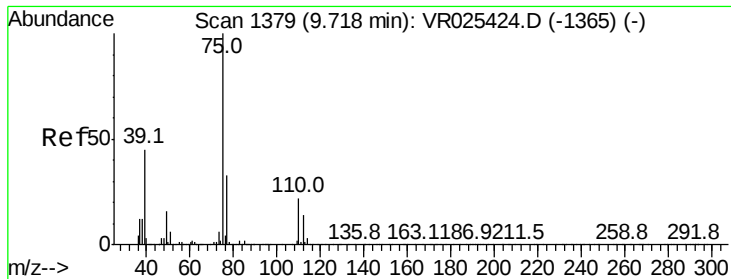
Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Tgt Ion: 83 Resp: 42962

Ion	Ratio	Lower	Upper
83	100		
85	64.9	46.1	85.7
127	9.3	5.7	8.5#



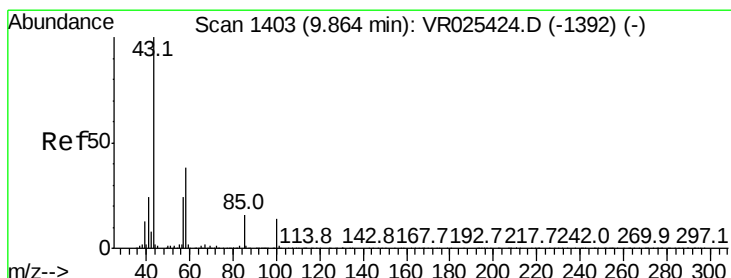
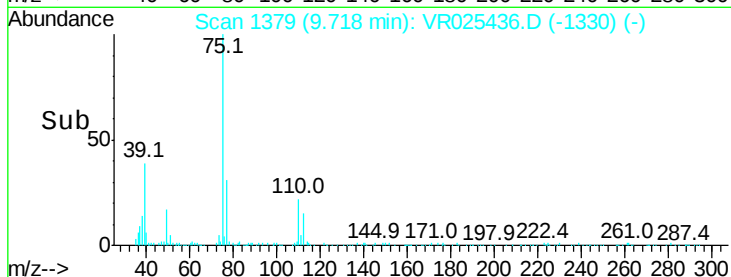
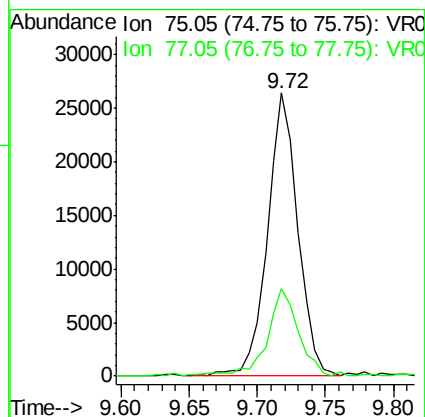
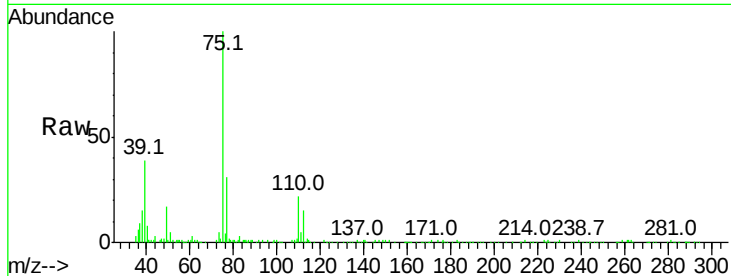


#39

cis-1,3-Dichloropropene
 Concen: 0.718 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

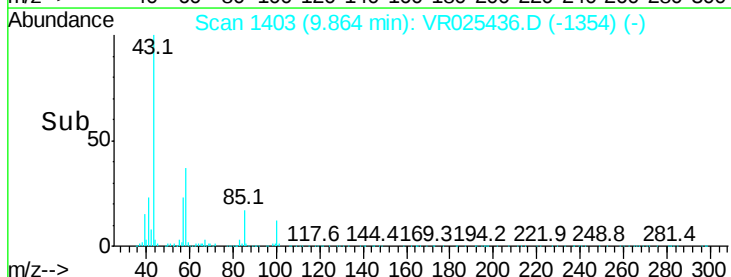
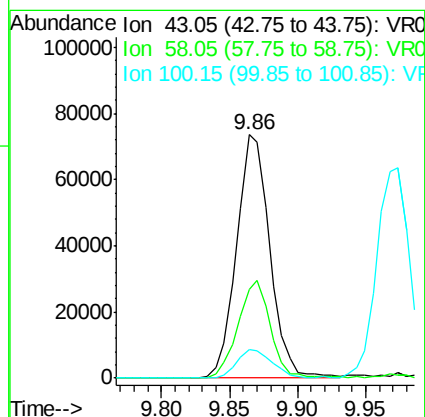
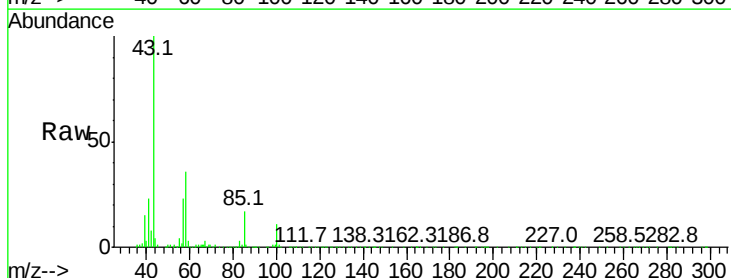
Tgt Ion: 75 Resp: 41341
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.1 39.1

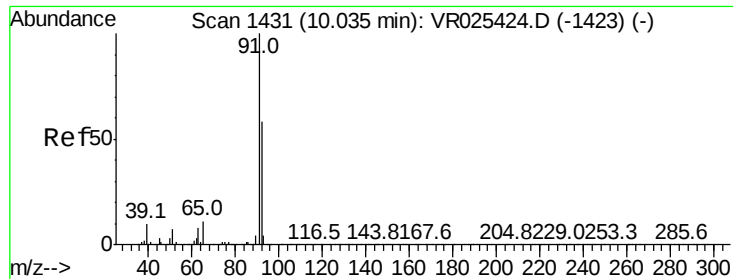


#40

4-Methyl-2-pentanone
 Concen: 7.947 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. -0.00 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

Tgt Ion: 43 Resp: 125646
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.3 45.5
 100 12.5 10.3 15.5





#42

Toluene

Concen: 0.812 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :

MSVOA_R

ClientSampled :

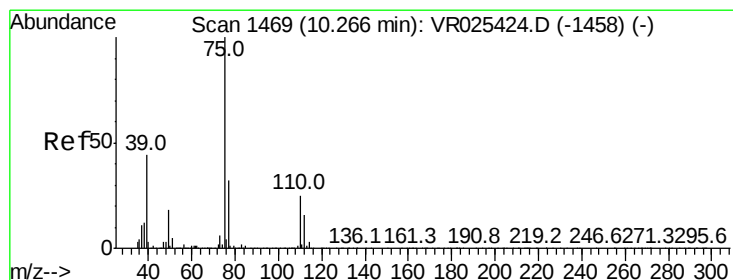
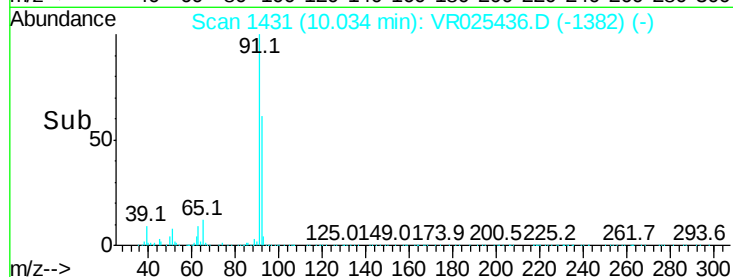
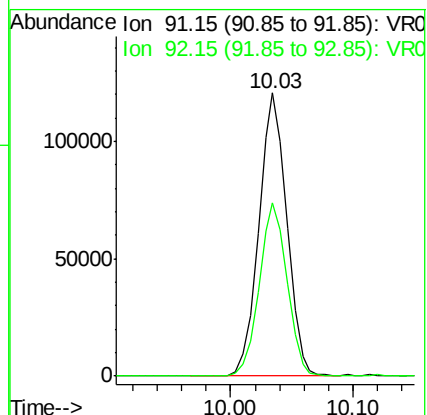
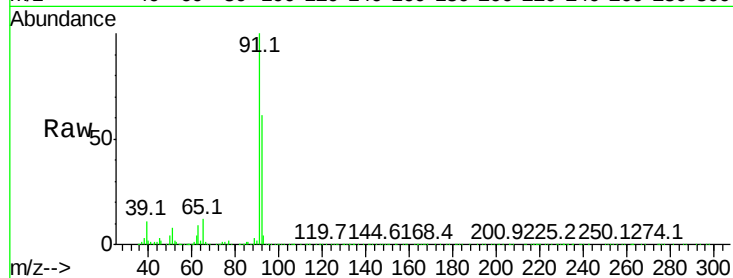
VSTD00182

Tgt Ion: 91 Resp: 191346

Ion Ratio Lower Upper

91 100

92 61.3 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 0.832 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VR025436.D

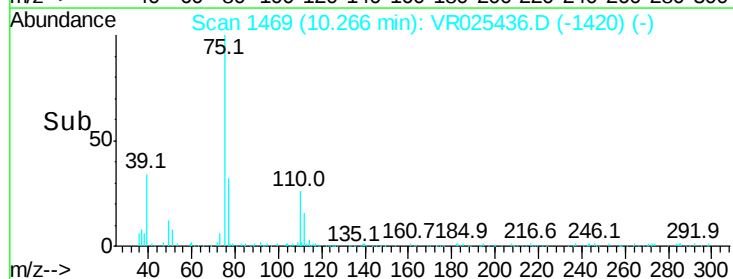
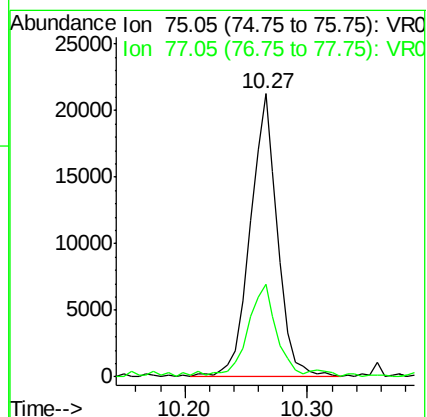
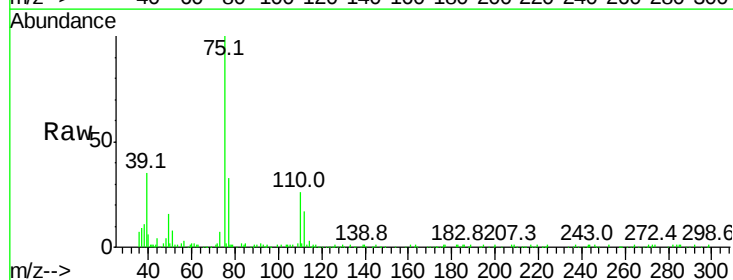
Acq: 5 Jul 2018 12:54

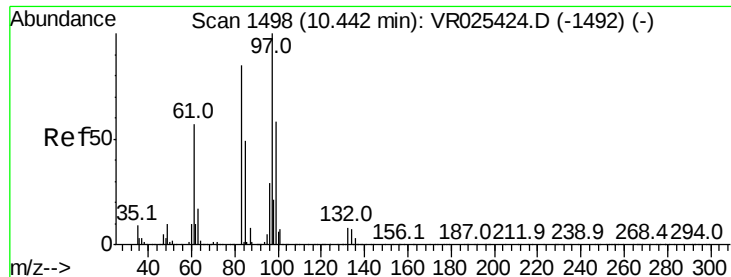
Tgt Ion: 75 Resp: 32927

Ion Ratio Lower Upper

75 100

77 32.7 20.6 38.4





#45

1,1,2-Trichloroethane

Concen: 0.953 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 97 Resp: 21619

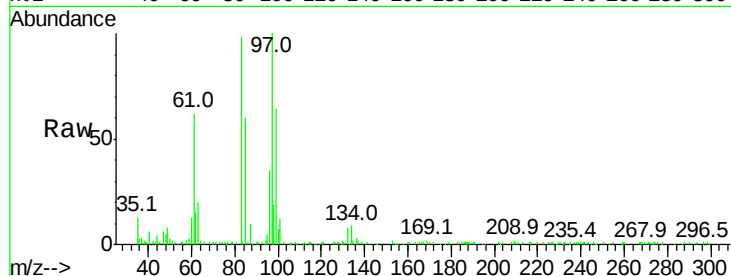
Ion Ratio Lower Upper

97 100

99 63.6 41.9 77.9

83 98.1 64.5 119.9

85 59.9 38.6 71.8

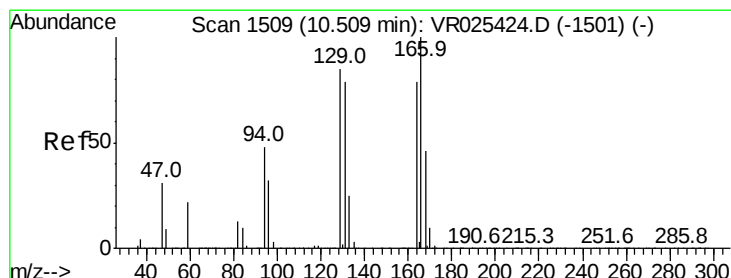
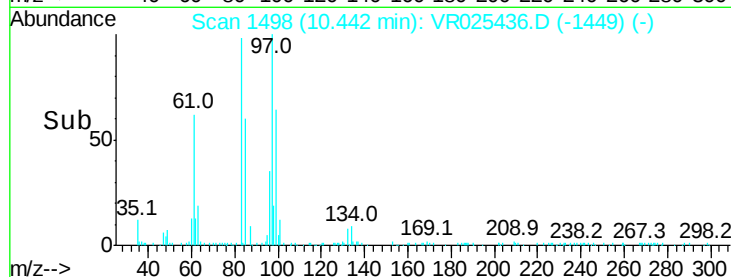
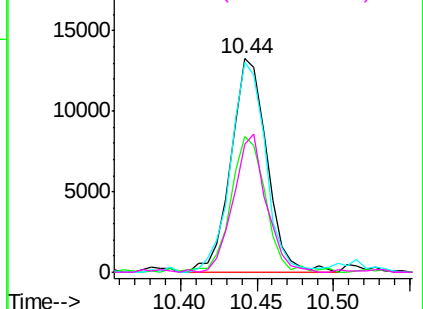


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 0.908 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Tgt Ion: 164 Resp: 32219

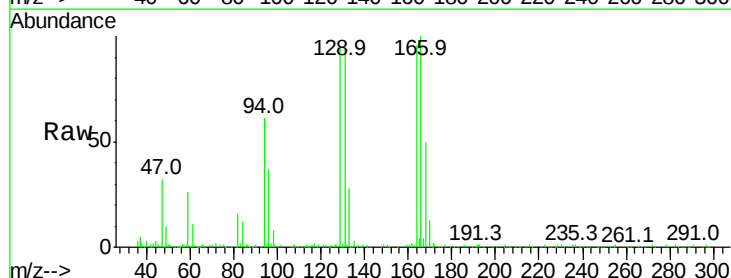
Ion Ratio Lower Upper

164 100

129 99.5 68.1 126.5

131 98.8 68.5 127.1

166 104.7 89.9 166.9

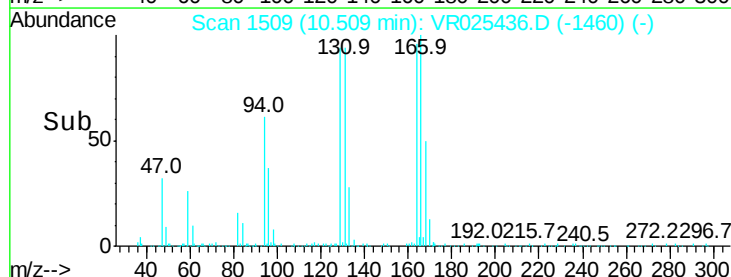
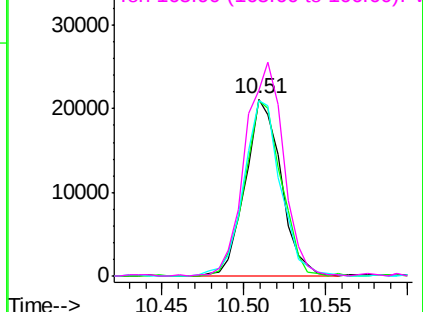


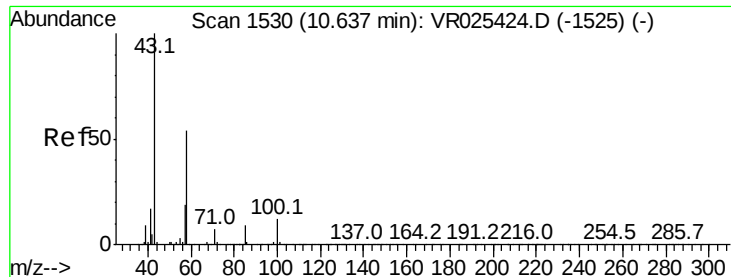
Abundance Ion 163.90 (163.60 to 164.60): V

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

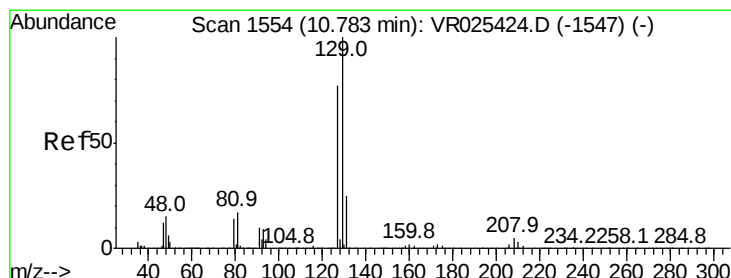
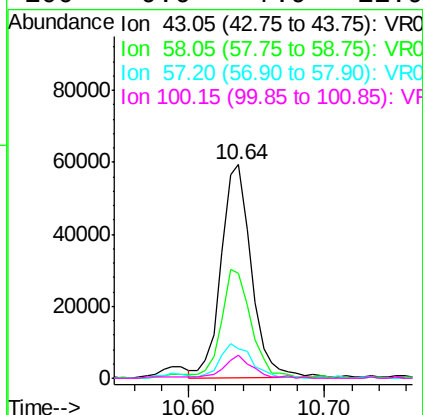
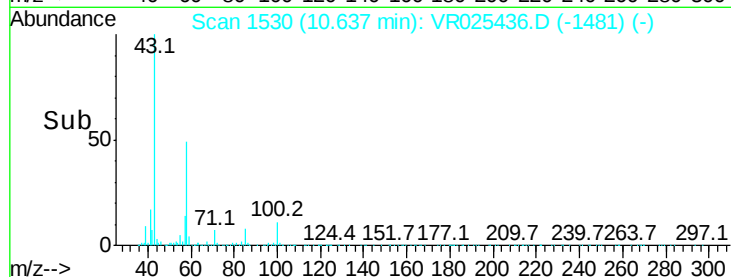
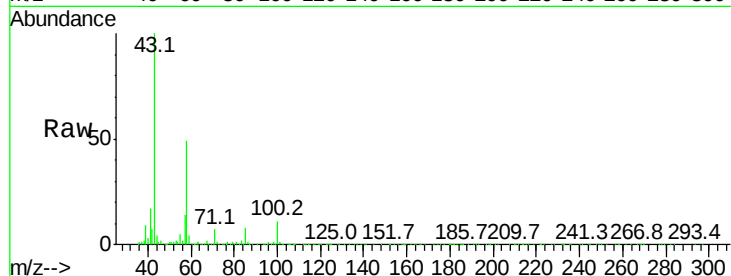




#48
2-Hexanone
Concen: 9.005 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VR025436.D
Acq: 5 Jul 2018 12:54

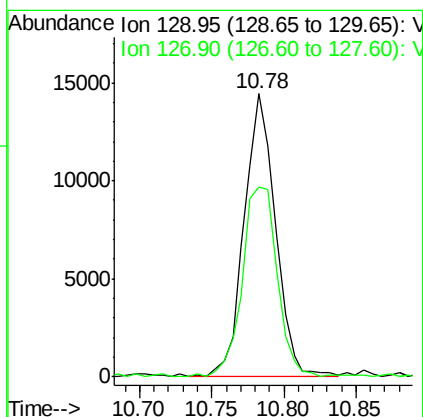
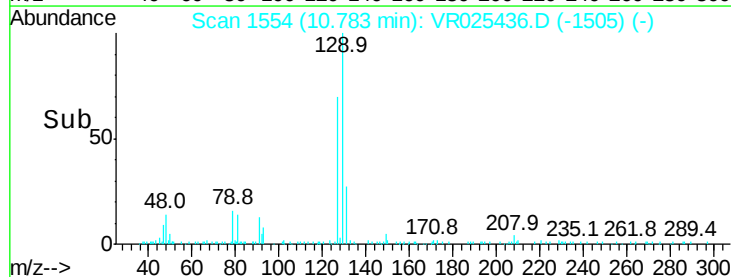
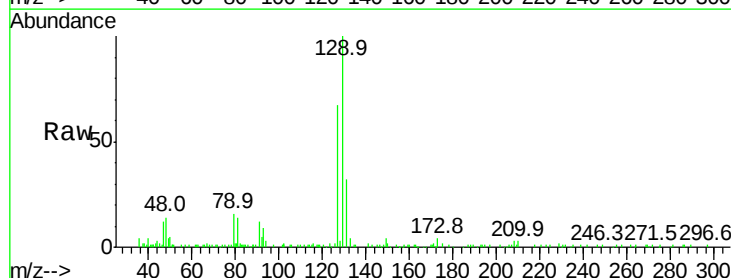
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

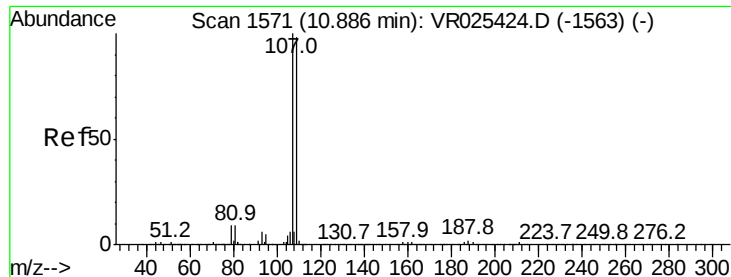
Tgt Ion: 43 Resp: 90759
Ion Ratio Lower Upper
43 100
58 51.7 43.1 64.7
57 17.1 15.3 22.9
100 9.6 7.9 11.9



#49
Dibromochloromethane
Concen: 0.994 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025436.D
Acq: 5 Jul 2018 12:54

Tgt Ion: 129 Resp: 21714
Ion Ratio Lower Upper
129 100
127 67.2 55.9 103.7





#50

1,2-Dibromoethane

Concen: 0.972 ug/L

RT: 10.89 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

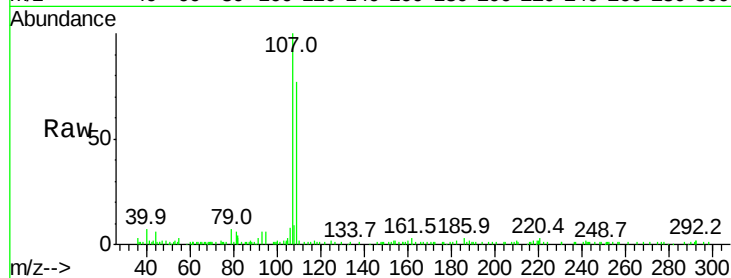
Tgt Ion:107 Resp: 17680

Ion Ratio Lower Upper

107 100

109 77.5 63.1 117.3

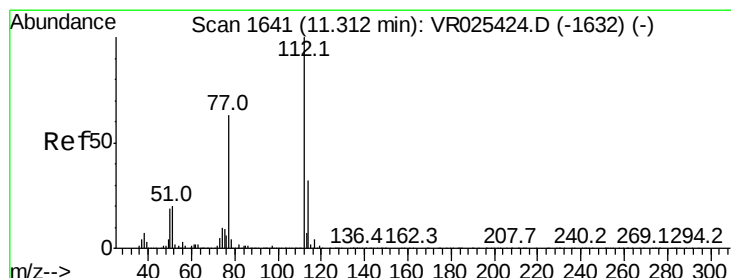
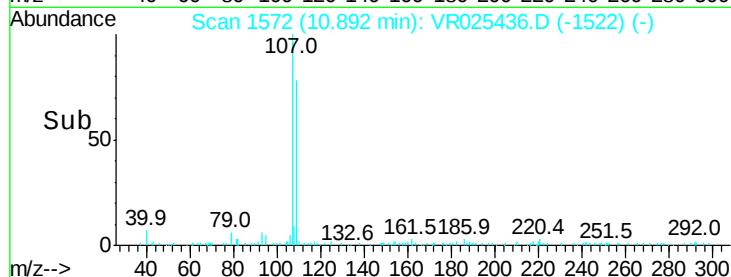
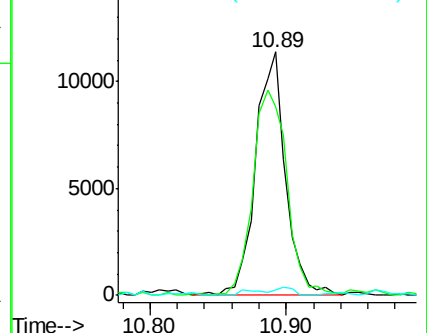
188 2.2 1.8 2.8



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: 0.953 ug/L

RT: 11.31 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

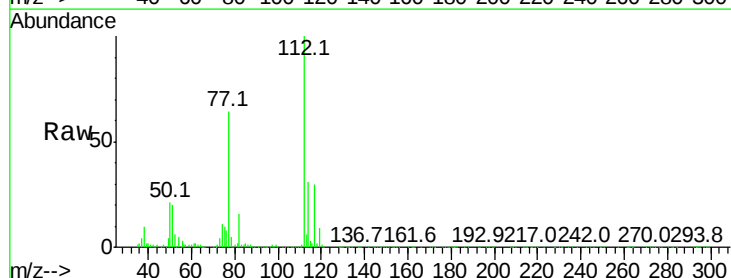
Tgt Ion:112 Resp: 120261

Ion Ratio Lower Upper

112 100

114 31.2 21.6 40.0

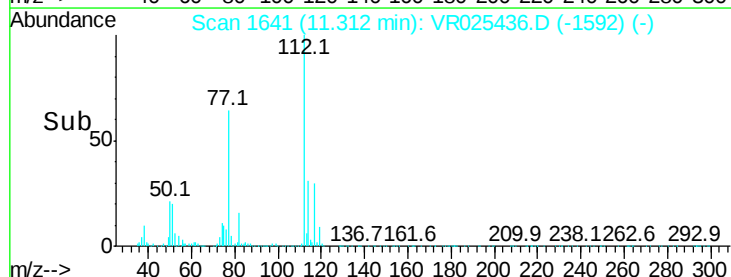
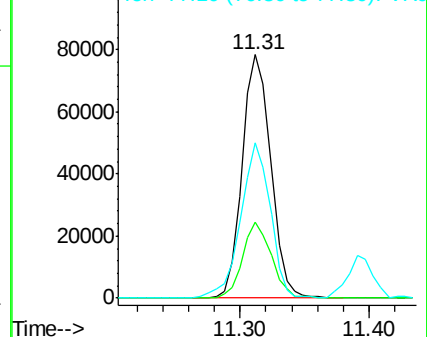
77 63.7 51.9 77.9

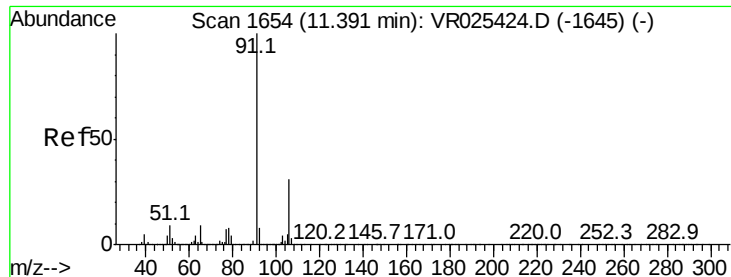


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 0.860 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :

MSVOA_R

ClientSampled :

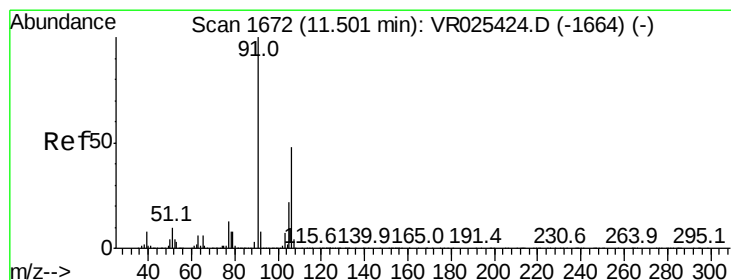
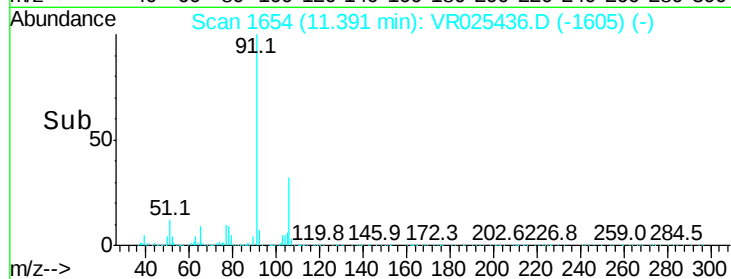
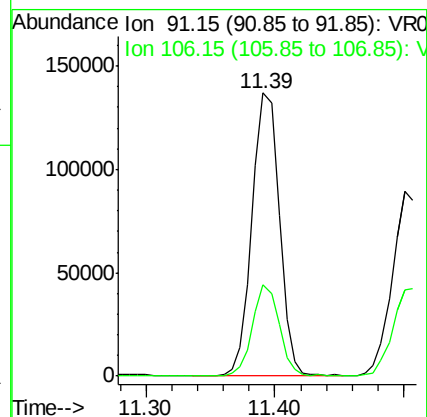
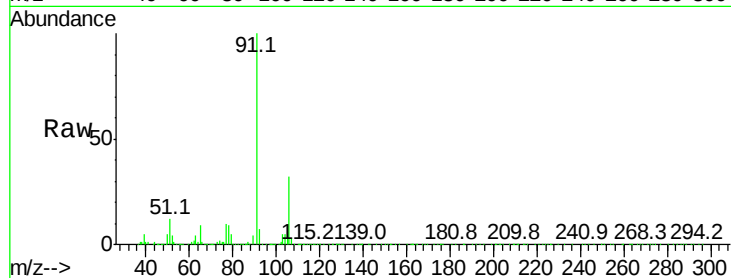
VSTD00182

Tgt Ion: 91 Resp: 201018

Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.7



#53

m,p-Xylene

Concen: 0.826 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.01 min

Lab File: VR025436.D

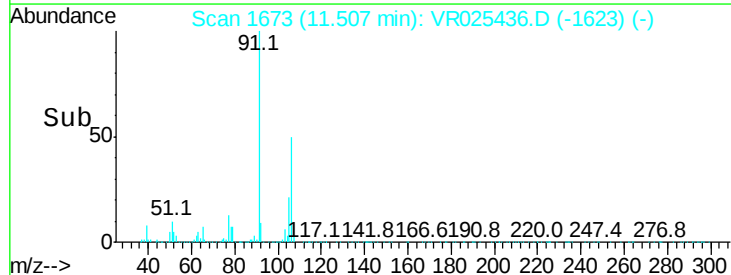
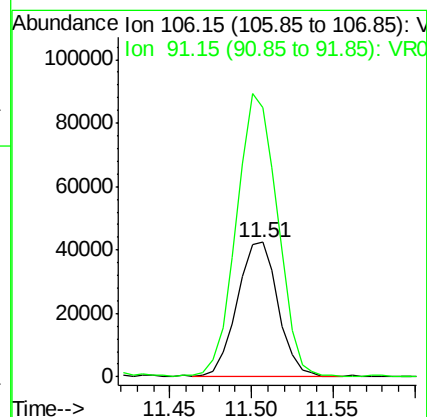
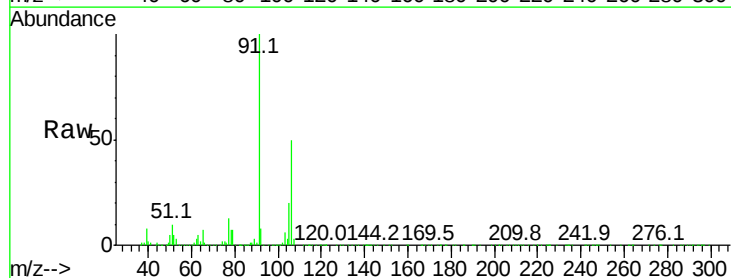
Acq: 5 Jul 2018 12:54

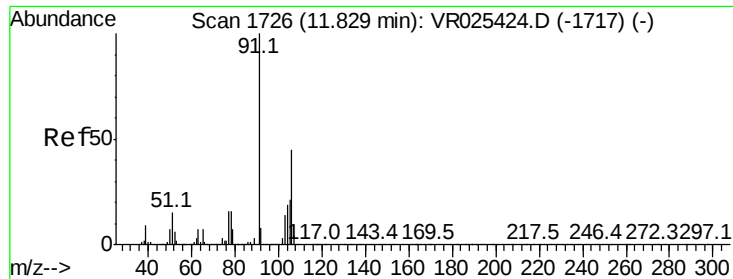
Tgt Ion: 106 Resp: 73650

Ion Ratio Lower Upper

106 100

91 200.5 152.6 283.4

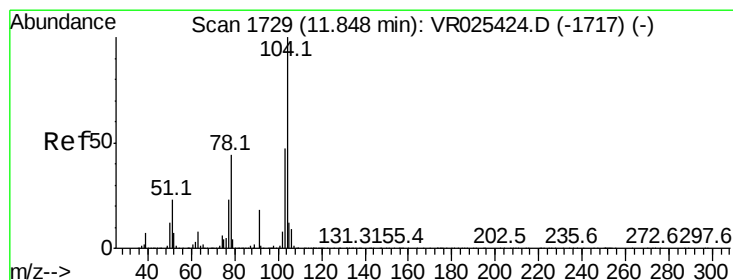
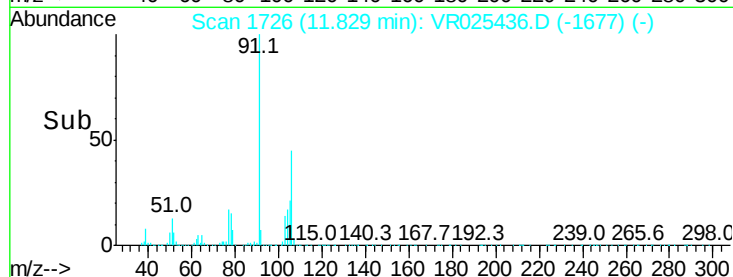
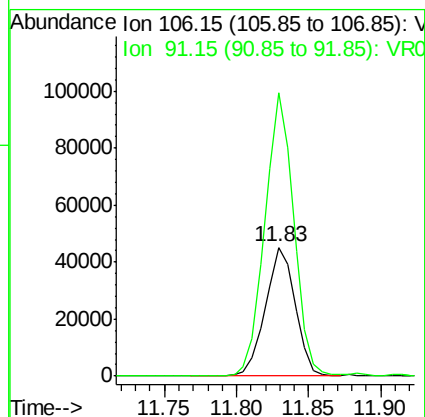
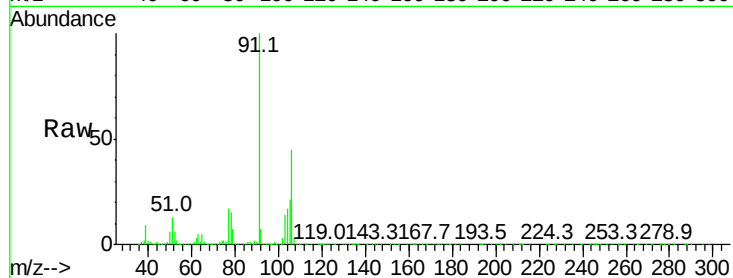




#54
o-Xylene
Concen: 0.813 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025436.D
Acq: 5 Jul 2018 12:54

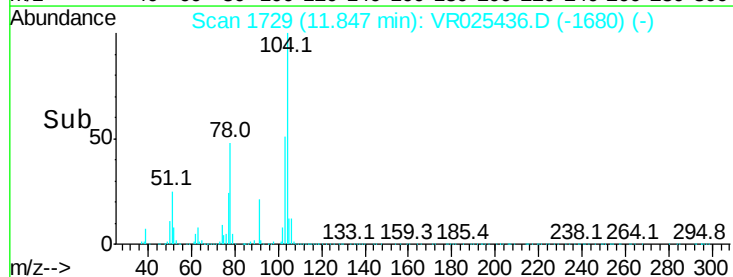
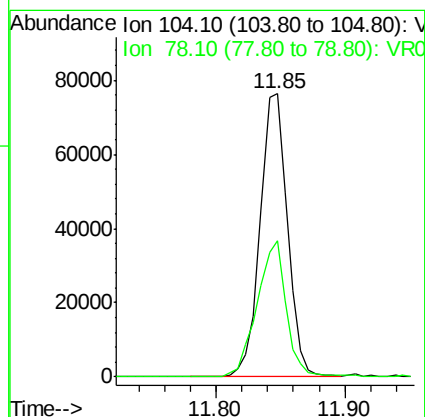
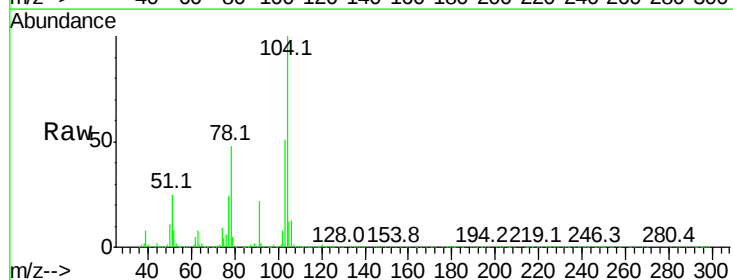
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

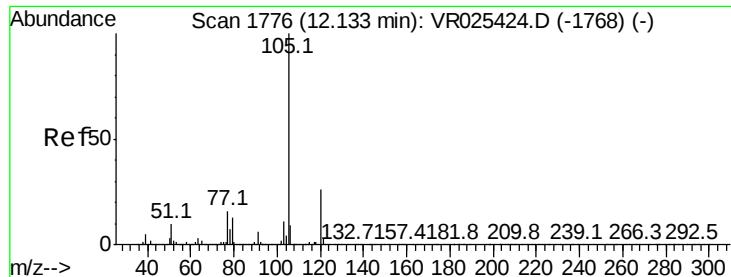
Tgt Ion:106 Resp: 64835
Ion Ratio Lower Upper
106 100
91 219.8 153.7 285.5



#55
Styrene
Concen: 0.913 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. -0.00 min
Lab File: VR025436.D
Acq: 5 Jul 2018 12:54

Tgt Ion:104 Resp: 111836
Ion Ratio Lower Upper
104 100
78 48.3 35.4 65.7





#56

Isopropylbenzene

Concen: 0.766 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

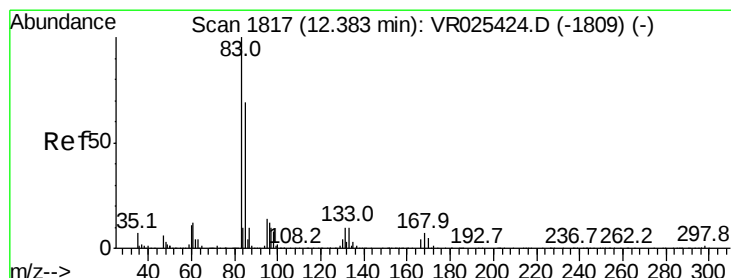
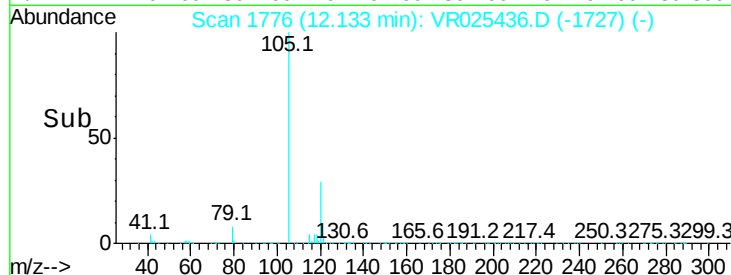
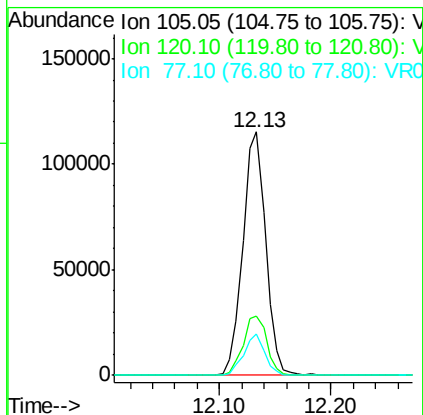
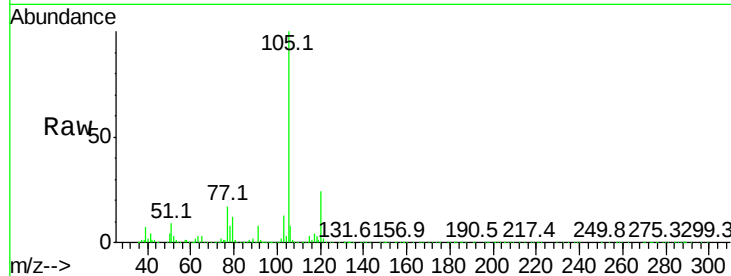
Instrument :

MSVOA_R

ClientSampled :

VSTD00182

Tgt Ion:	105	Resp:	164194
Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.2	30.4
77	15.7	13.0	19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 1.069 ug/L

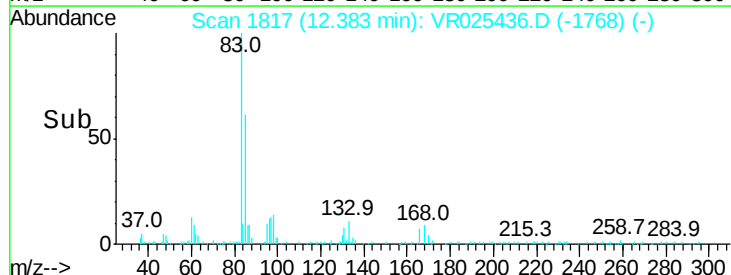
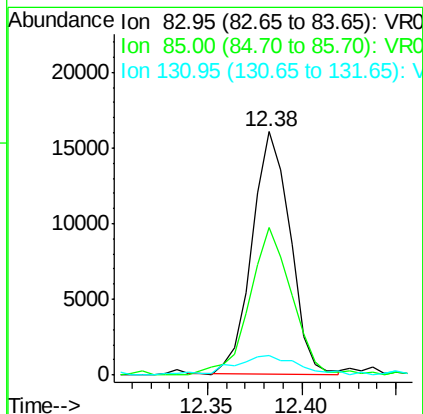
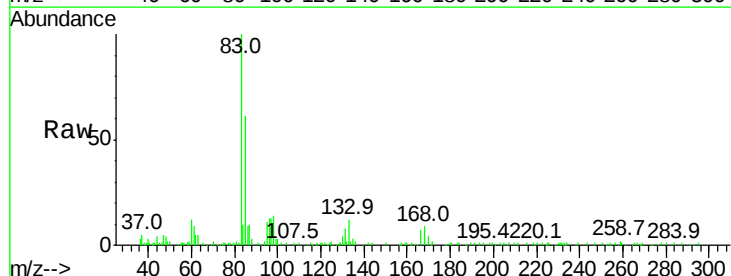
RT: 12.38 min Scan# 1817

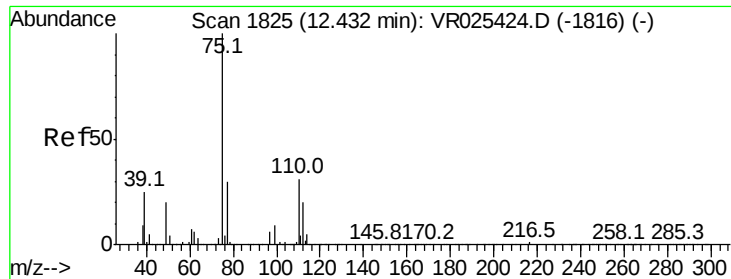
Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Tgt Ion:	83	Resp:	22449
Ion	Ratio	Lower	Upper
83	100		
85	60.8	41.8	77.6
131	8.1	6.1	9.1

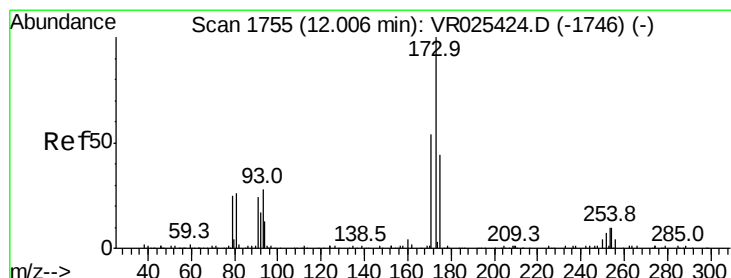
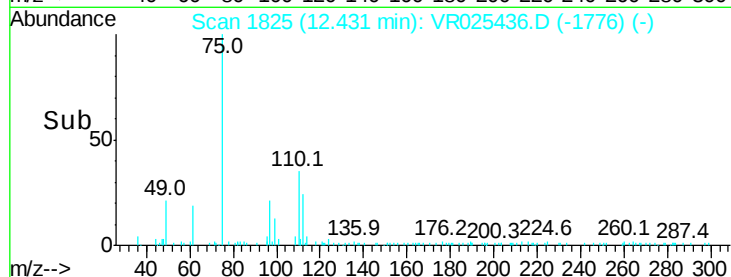
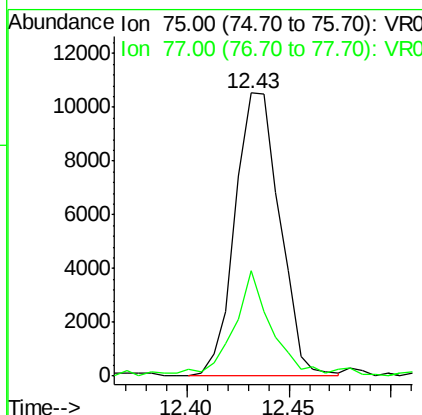
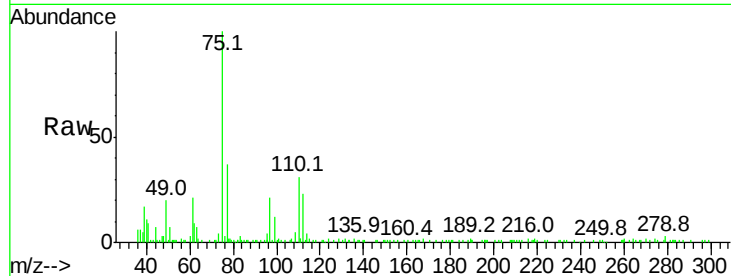




#59
 1,2,3-Trichloropropane
 Concen: 1.056 ug/L
 RT: 12.43 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

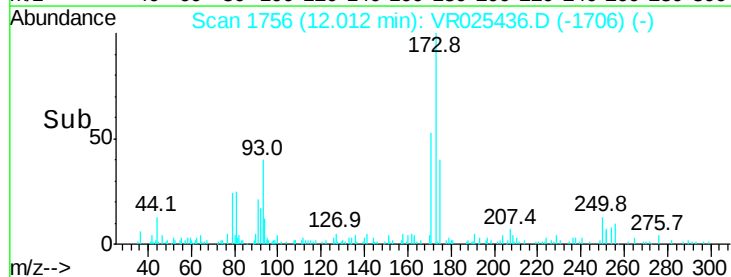
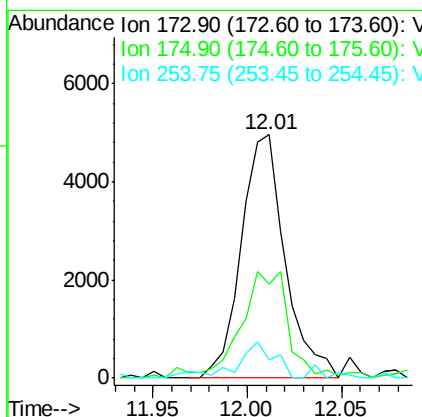
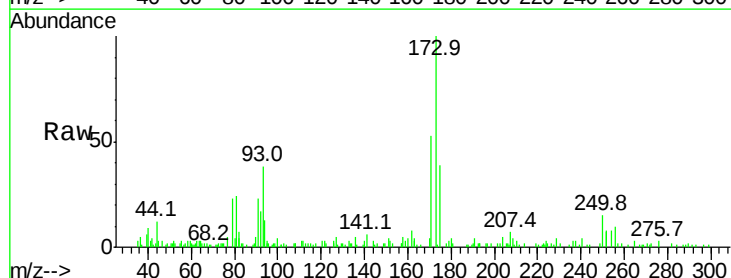
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

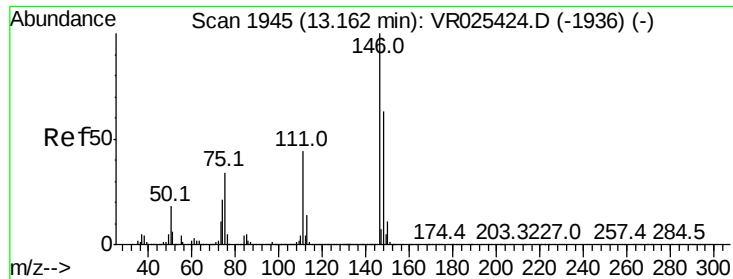
Tgt Ion: 75 Resp: 16006
 Ion Ratio Lower Upper
 75 100
 77 32.0 27.0 40.4



#61
 Bromoform
 Concen: 1.074 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.01 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

Tgt Ion: 173 Resp: 8002
 Ion Ratio Lower Upper
 173 100
 175 49.5 37.5 56.3
 254 12.9 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 0.806 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

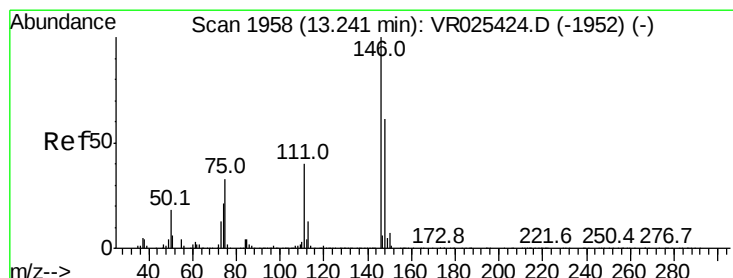
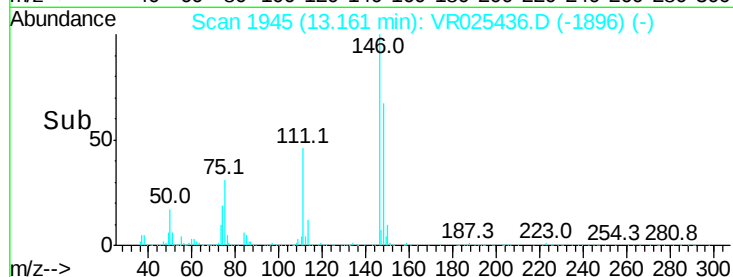
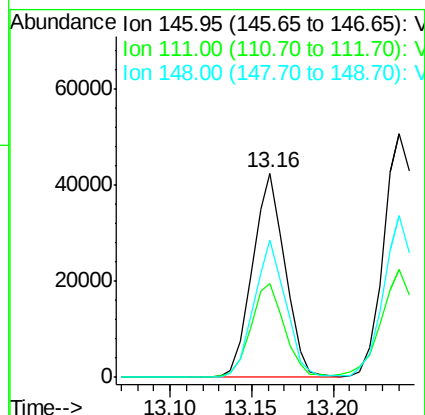
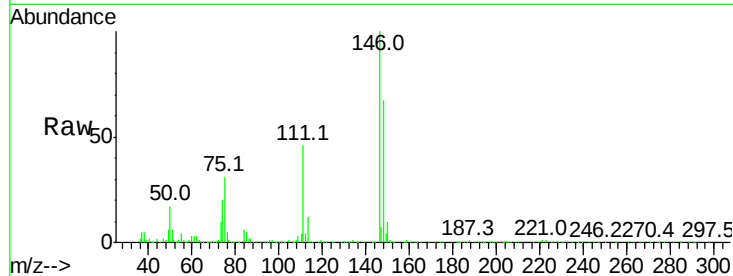
Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion:	146	Resp:	59051
Ion	Ratio	Lower	Upper
146	100		
111	45.9	31.0	57.6
148	67.2	44.8	83.2



#63

1,4-Dichlorobenzene

Concen: 0.977 ug/L

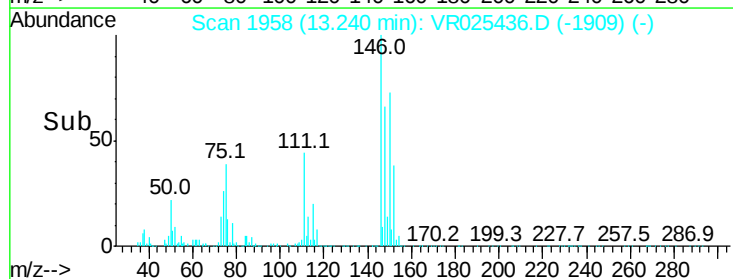
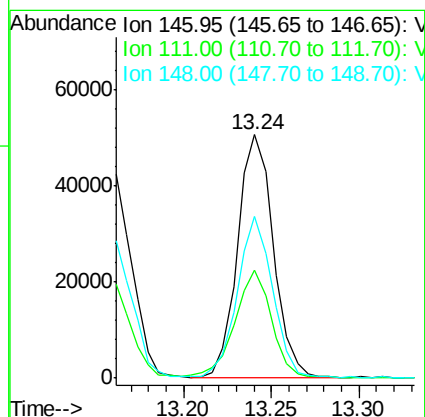
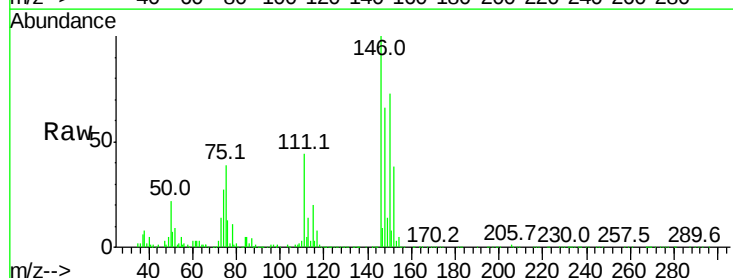
RT: 13.24 min Scan# 1958

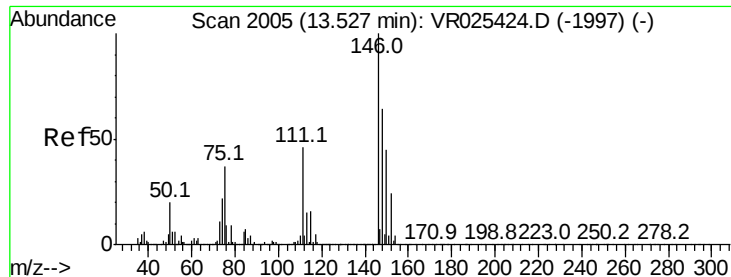
Delta R.T. -0.00 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Tgt Ion:	146	Resp:	71574
Ion	Ratio	Lower	Upper
146	100		
111	44.4	30.5	56.7
148	66.3	42.8	79.4

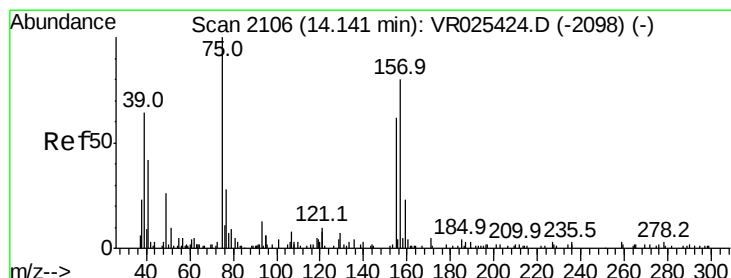
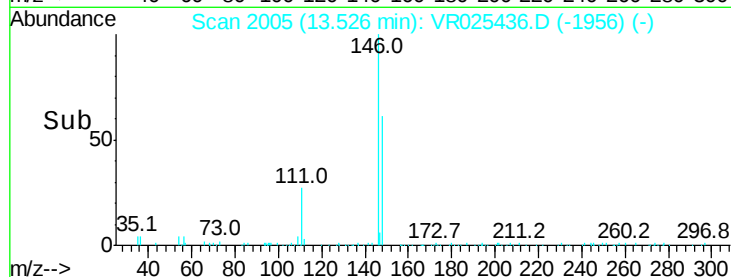
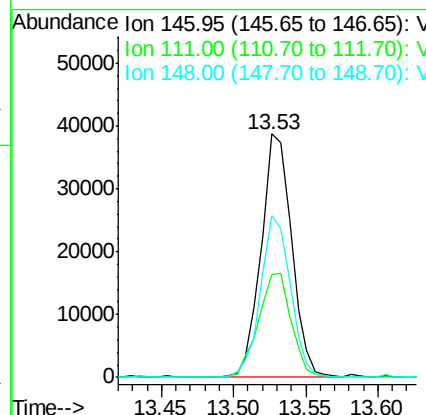
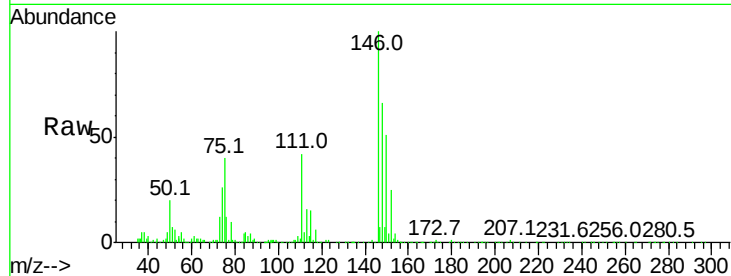




#65
 1,2-Dichlorobenzene
 Concen: 0.967 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

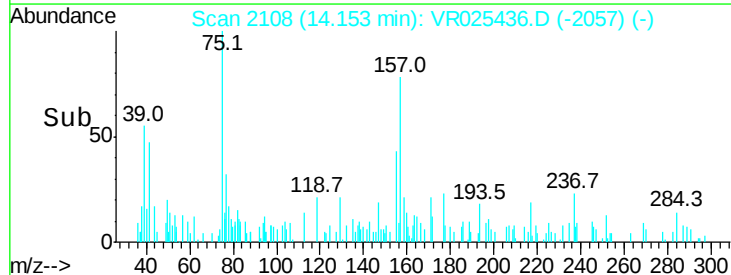
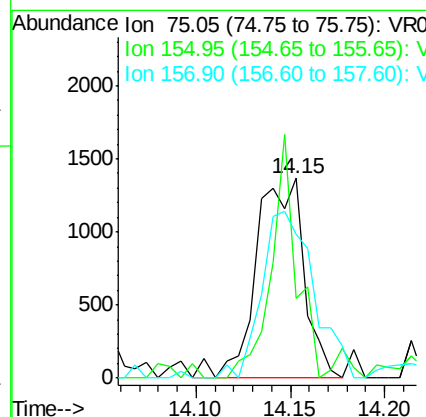
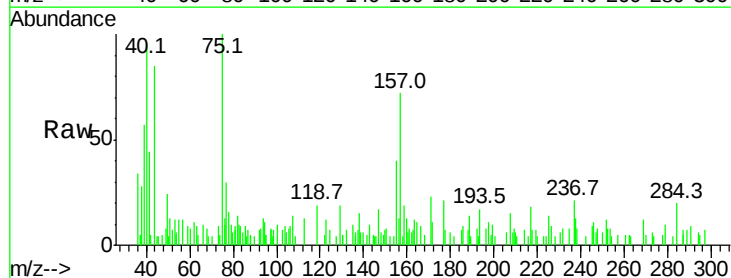
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

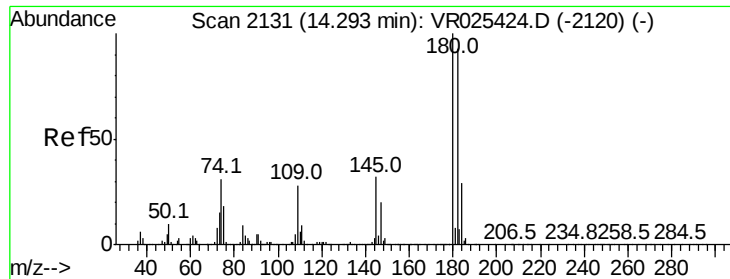
Tgt Ion: 146 Resp: 56828
 Ion Ratio Lower Upper
 146 100
 111 42.2 35.8 53.8
 148 66.4 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.038 ug/L
 RT: 14.15 min Scan# 2108
 Delta R.T. 0.01 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

Tgt Ion: 75 Resp: 2409
 Ion Ratio Lower Upper
 75 100
 155 39.9 74.1 111.1#
 157 72.0 71.0 106.6

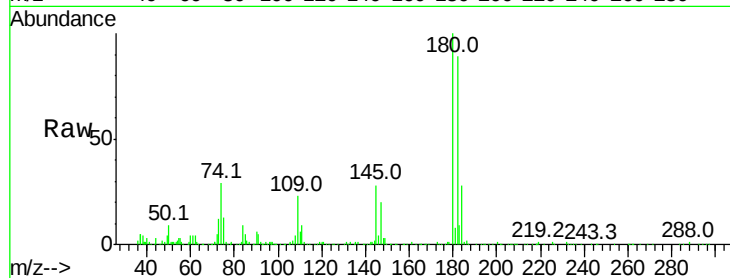




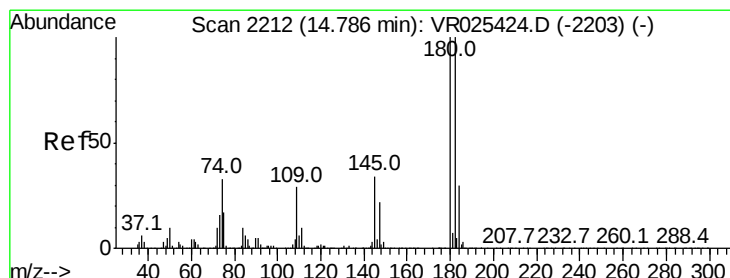
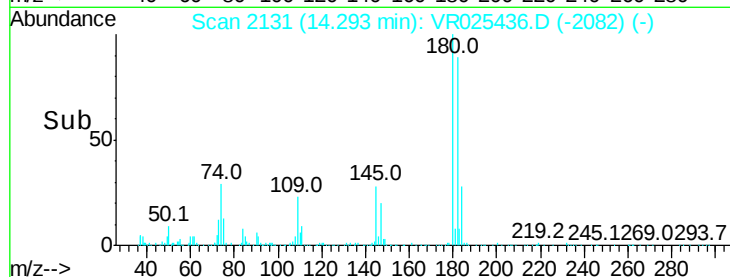
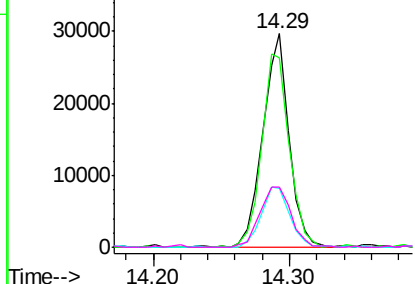
#67
 1,3,5-Trichlorobenzene
 Concen: 0.827 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

Tgt Ion:	180	Resp:	40137
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.0	114.0
184	31.0	24.5	36.7
145	33.5	25.2	37.8

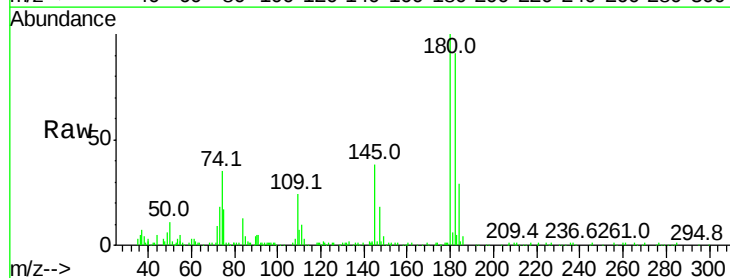


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

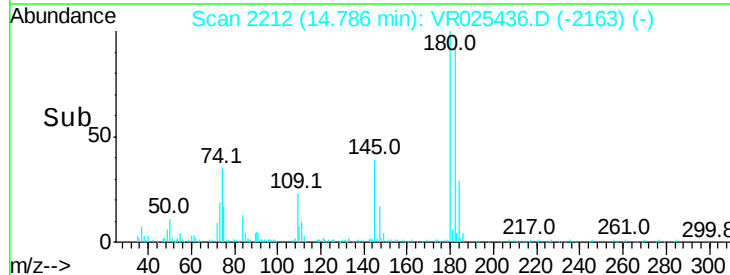
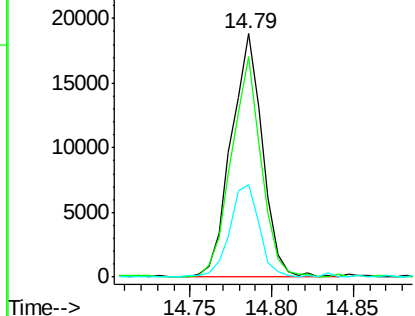


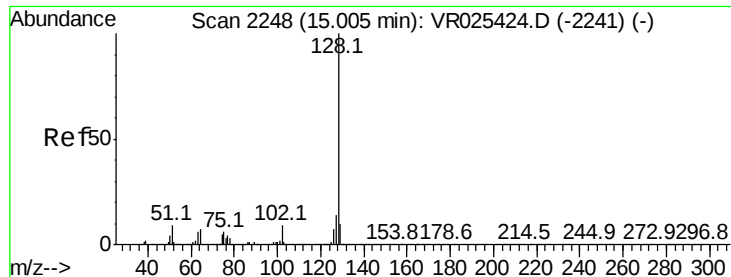
#68
 1,2,4-trichlorobenzene
 Concen: 0.743 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025436.D
 Acq: 5 Jul 2018 12:54

Tgt Ion:	180	Resp:	25106
Ion Ratio	Lower	Upper	
180	100		
182	86.7	75.0	112.4
145	36.3	27.3	40.9



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: 0.554 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

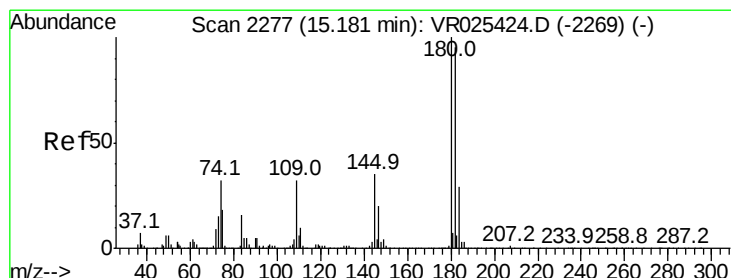
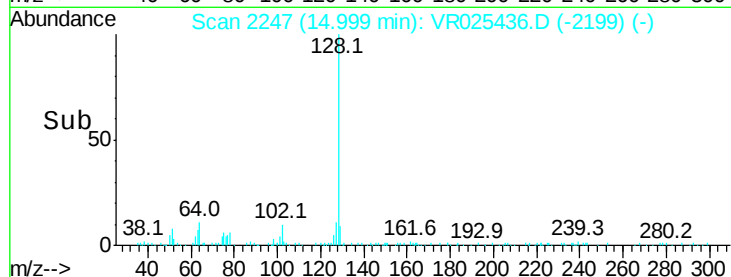
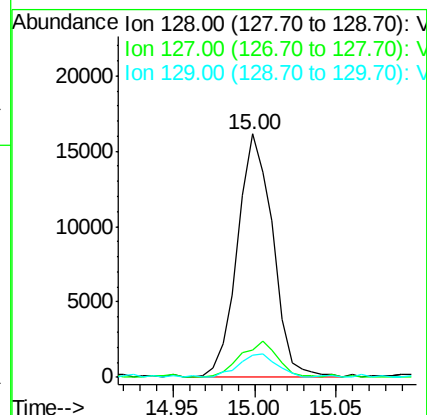
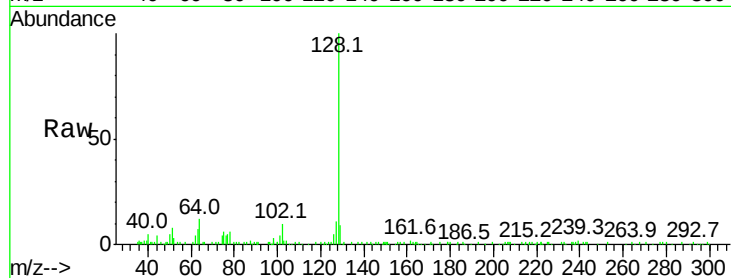
Tgt Ion:128 Resp: 24374

Ion Ratio Lower Upper

128 100

127 15.6 10.2 15.4#

129 10.2 8.6 13.0



#70

1,2,3-Trichlorobenzene

Concen: 0.764 ug/L

RT: 15.18 min Scan# 2276

Delta R.T. -0.01 min

Lab File: VR025436.D

Acq: 5 Jul 2018 12:54

Tgt Ion:180 Resp: 19969

Ion Ratio Lower Upper

180 100

182 102.2 75.2 112.8

145 37.2 28.2 42.2

