

Data File : VT019100.D
Acq On : 28 Nov 2018 10:20
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_T/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC005

Quant Time: Nov 29 06:15:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_T\METHODS\82T112818TCLP.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 06:13:05 2018
Response via : Initial Calibration

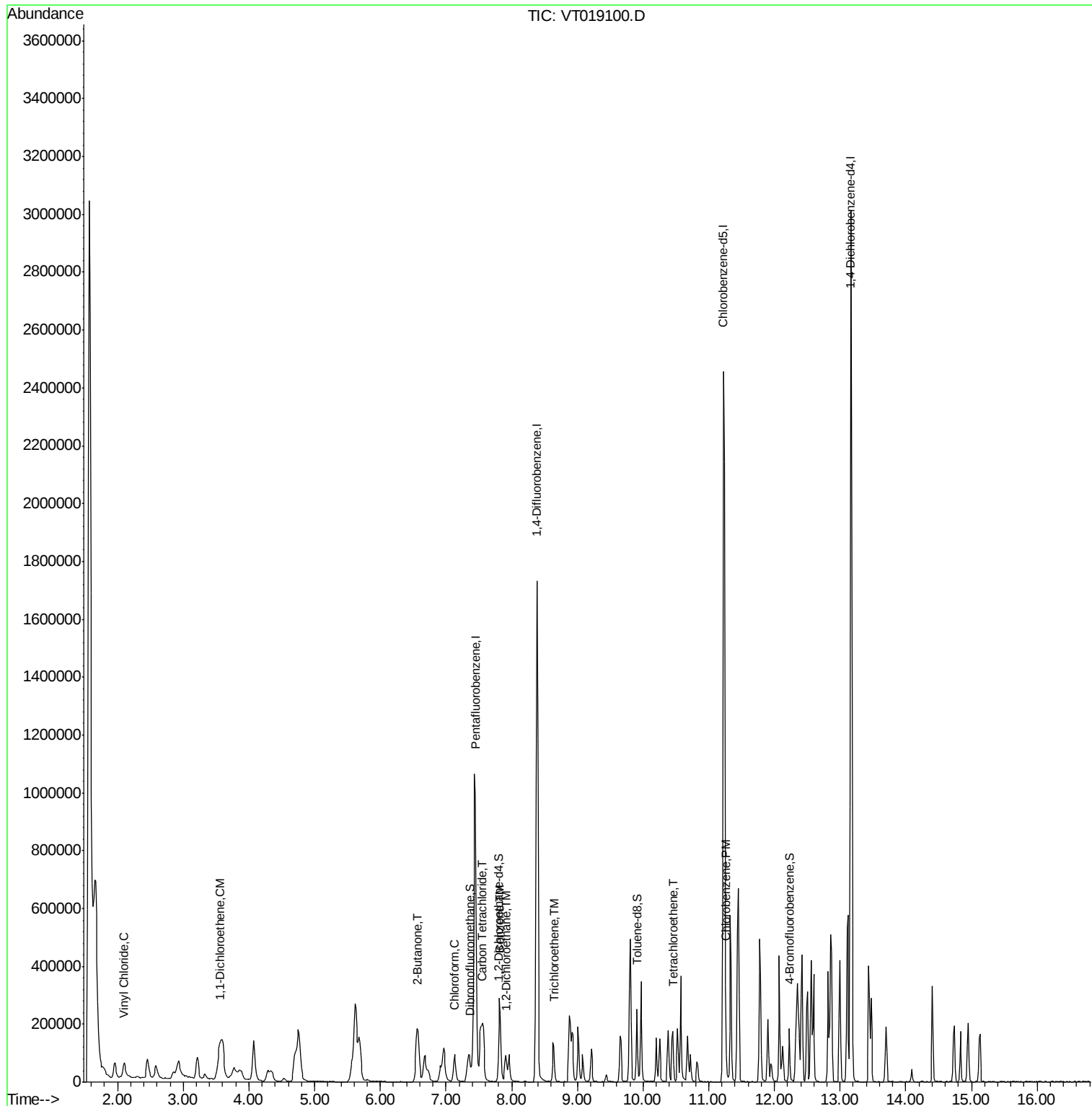
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.45	168	638787	50.00	ug/l	0.00
7) 1,4-Difluorobenzene	8.38	114	1244494	50.00	ug/l	0.00
15) Chlorobenzene-d5	11.22	117	1161398	50.00	ug/l	-0.01
18) 1,4-Dichlorobenzene-d4	13.16	152	590802	50.00	ug/l	0.00
System Monitoring Compounds						
6) 1,2-Dichloroethane-d4	7.80	65	59263	4.72	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	9.44%	
8) Dibromofluoromethane	7.37	113	36845	4.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.20%	
13) Toluene-d8	9.91	98	158155	4.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.02%	
14) 4-Bromofluorobenzene	12.23	95	56554	4.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	8.58%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.10	62	99671	5.118	ug/l	97
3) 1,1-Dichloroethene	3.56	96	71746	5.355	ug/l	99
4) 2-Butanone	6.57	43	140876	23.490	ug/l	96
5) Chloroform	7.13	83	94904	5.410	ug/l	99
9) Carbon Tetrachloride	7.54	117	66356	4.973	ug/l	99
10) Benzene	7.82	78	216904	4.996	ug/l	96
11) 1,2-Dichloroethane	7.91	62	82134	5.180	ug/l	98
12) Trichloroethene	8.64	130	43835	5.159	ug/l	92
16) Tetrachloroethene	10.45	164	32244	4.983	ug/l	96
17) Chlorobenzene	11.26	112	136260	5.173	ug/l	100

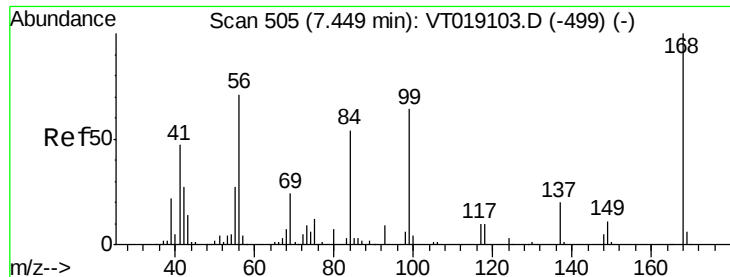
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VT019100.D
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Sample : VSTDICC005
Misc : 5.0mL/MSVOA_T/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_T
ClientSampleId :
VSTDICC005

Quant Time: Nov 29 06:15:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_T\METHODS\82T112818TCLP.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 06:13:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 505

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

Instrument :

MSVOA_T

ClientSampleId :

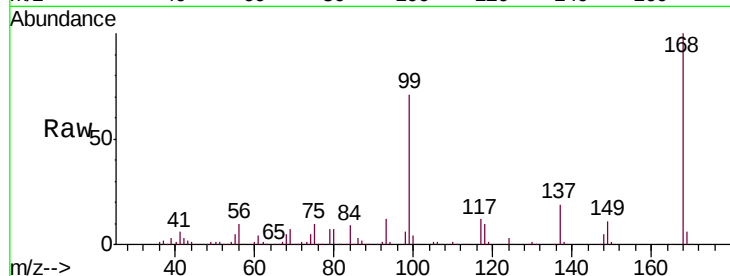
VSTDIC005

Tgt Ion: 168 Resp: 638787

Ion Ratio Lower Upper

168 100

99 71.1 59.5 89.3



Abundance Ion 167.90 (167.60 to 168.60): VT0

Ion 98.90 (98.60 to 99.60): VT0

7.45

300000

250000

200000

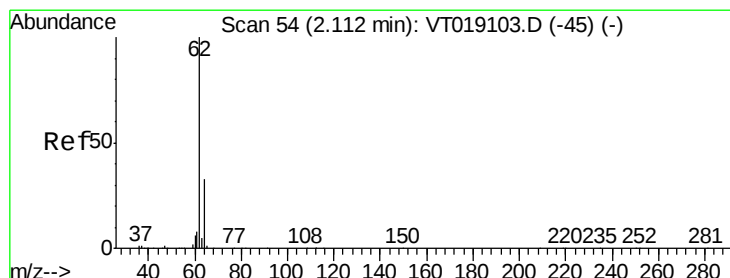
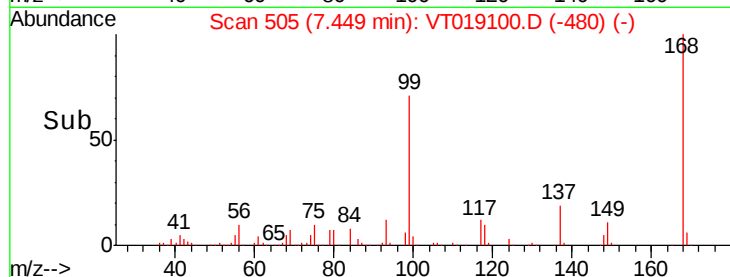
150000

100000

50000

0

Time-->



#2

Vinyl Chloride

Concen: 5.118 ug/l

RT: 2.10 min Scan# 53

Delta R.T. -0.01 min

Lab File: VT019100.D

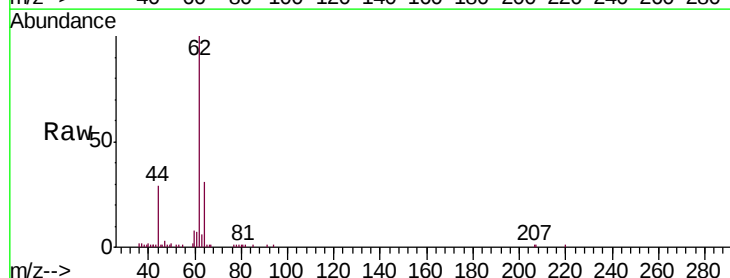
Acq: 28 Nov 2018 10:20

Tgt Ion: 62 Resp: 99671

Ion Ratio Lower Upper

62 100

64 30.8 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VT0

Ion 63.90 (63.60 to 64.60): VT0

2.10

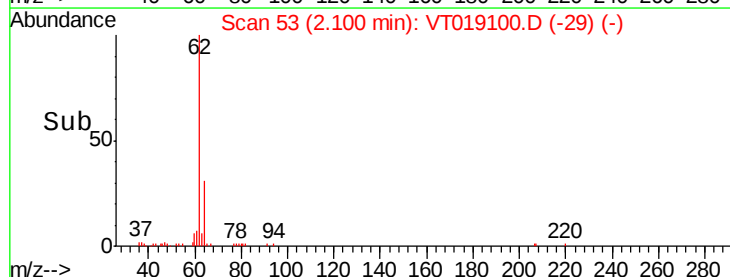
30000

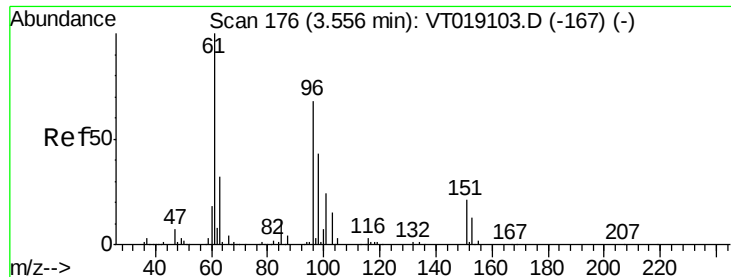
20000

10000

0

Time-->





#3

1,1-Dichloroethene

Concen: 5.355 ug/l

RT: 3.56 min Scan# 176

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

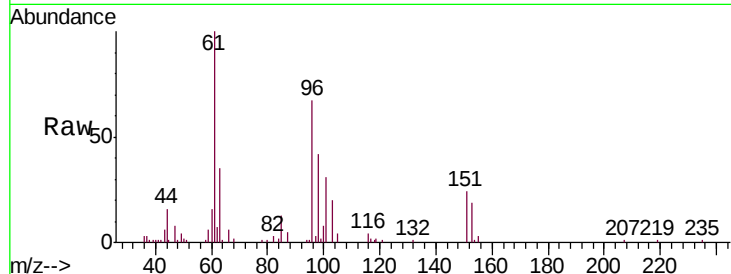
Tgt Ion: 96 Resp: 71746

Ion Ratio Lower Upper

96 100

61 148.9 117.8 176.8

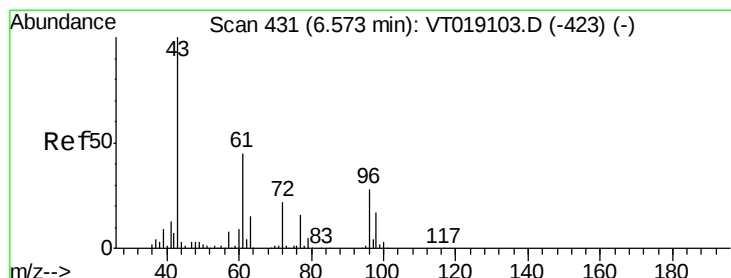
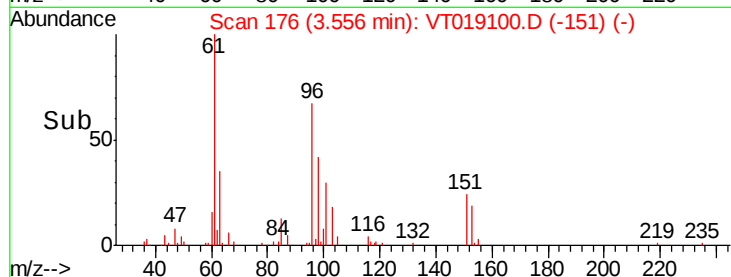
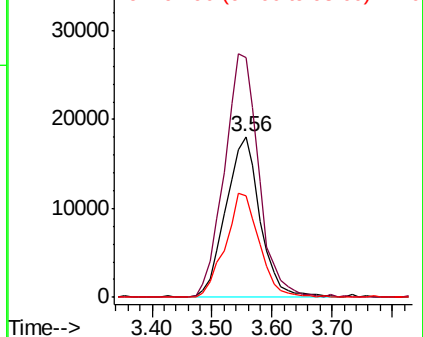
98 62.8 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VT0

Ion 60.90 (60.60 to 61.60): VT0

Ion 97.90 (97.60 to 98.60): VT0



#4

2-Butanone

Concen: 23.490 ug/l

RT: 6.57 min Scan# 431

Delta R.T. 0.00 min

Lab File: VT019100.D

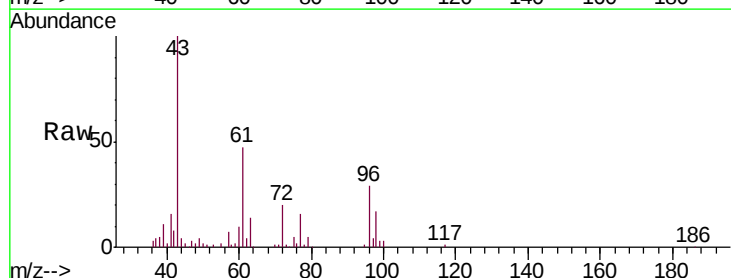
Acq: 28 Nov 2018 10:20

Tgt Ion: 43 Resp: 140876

Ion Ratio Lower Upper

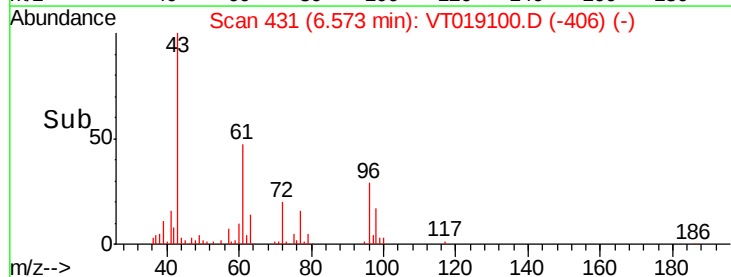
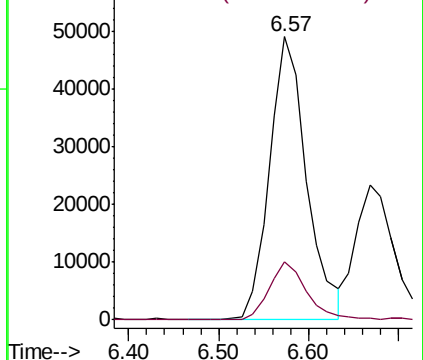
43 100

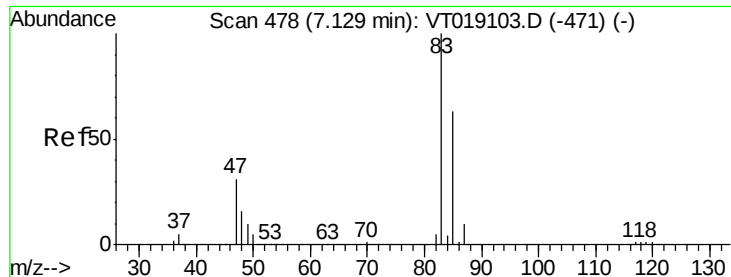
72 20.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VT0

Ion 72.00 (71.70 to 72.70): VT0





#5

Chloroform

Concen: 5.410 ug/l

RT: 7.13 min Scan# 478

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

Instrument :

MSVOA_T

ClientSampleId :

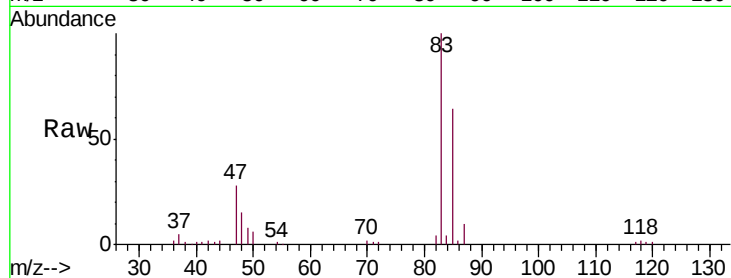
VSTDIC005

Tgt Ion: 83 Resp: 94904

Ion Ratio Lower Upper

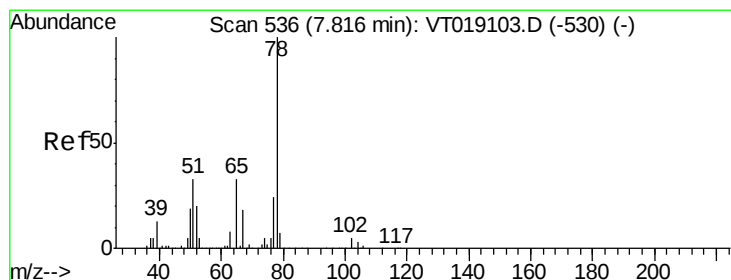
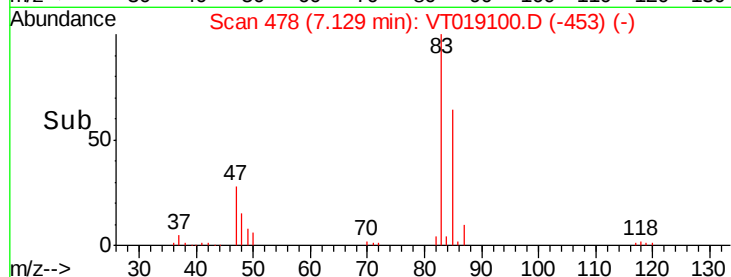
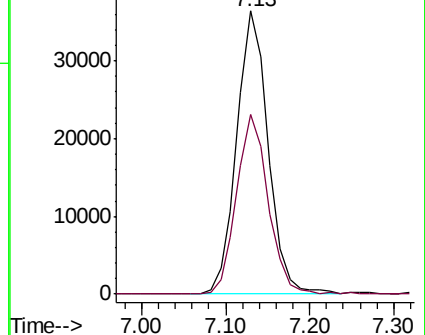
83 100

85 63.6 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VT0

Ion 84.90 (84.60 to 85.60): VT0



#6

1,2-Dichloroethane-d4

Concen: 4.723 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.01 min

Lab File: VT019100.D

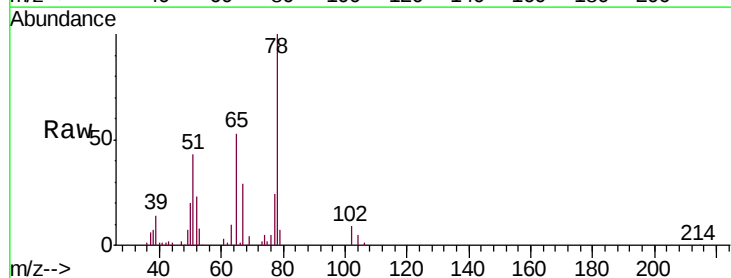
Acq: 28 Nov 2018 10:20

Tgt Ion: 65 Resp: 59263

Ion Ratio Lower Upper

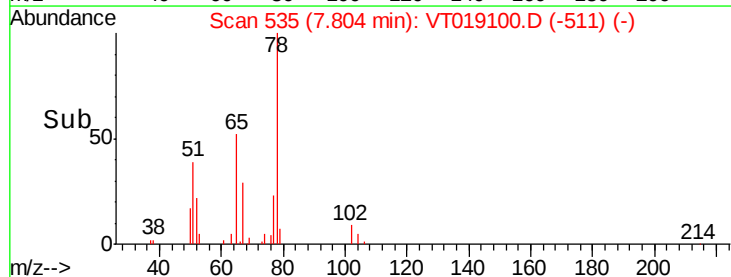
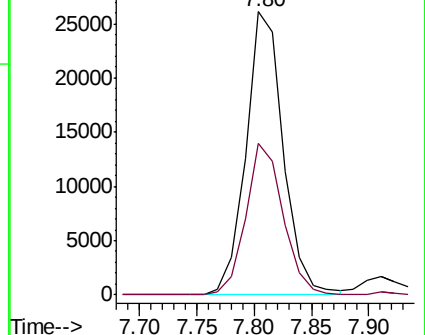
65 100

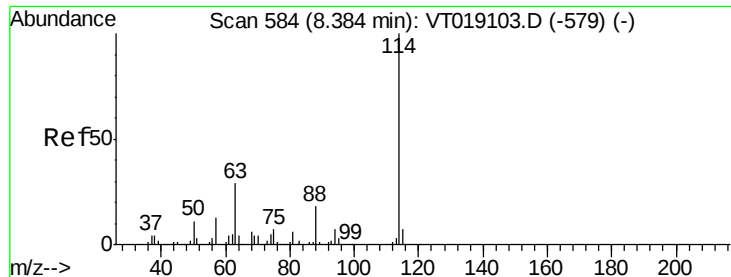
67 53.2 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VT0

Ion 66.90 (66.60 to 67.60): VT0





#7

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.38 min Scan# 584

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

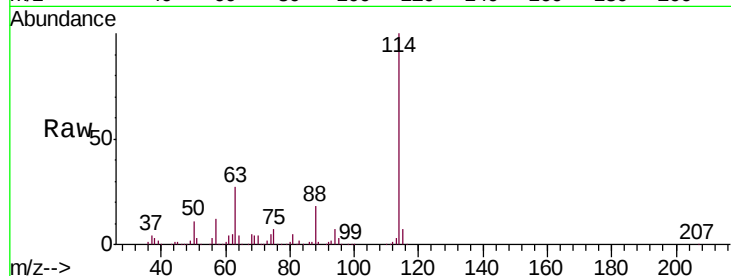
Tgt Ion:114 Resp: 1244494

Ion Ratio Lower Upper

114 100

63 27.4 0.0 57.4

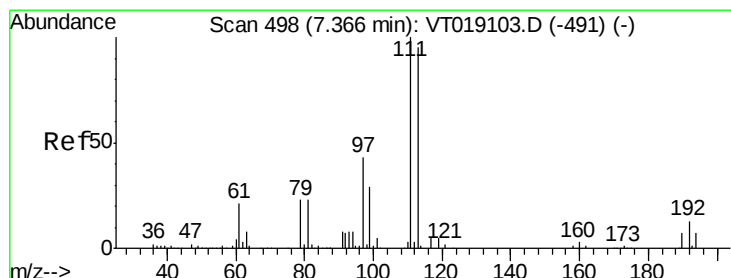
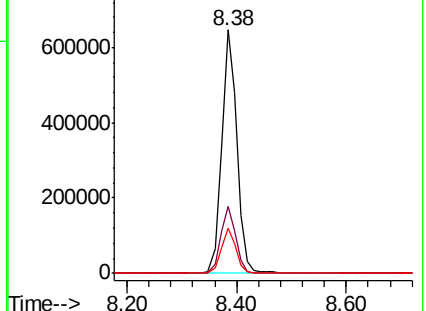
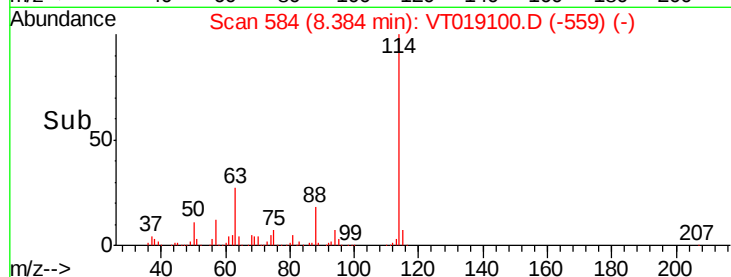
88 18.5 0.0 37.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VT0

Ion 87.90 (87.60 to 88.60): VT0



#8

Dibromofluoromethane

Concen: 4.600 ug/l

RT: 7.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

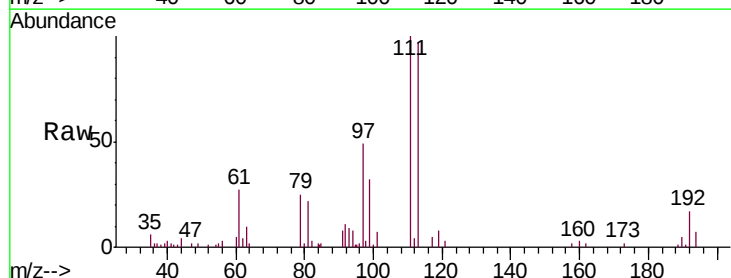
Tgt Ion:113 Resp: 36845

Ion Ratio Lower Upper

113 100

111 103.7 83.9 125.9

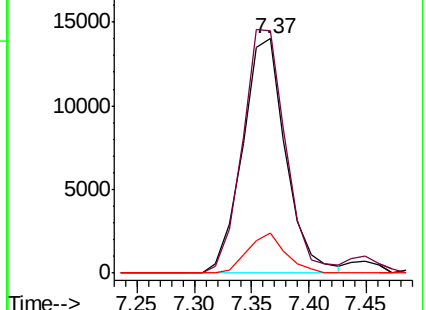
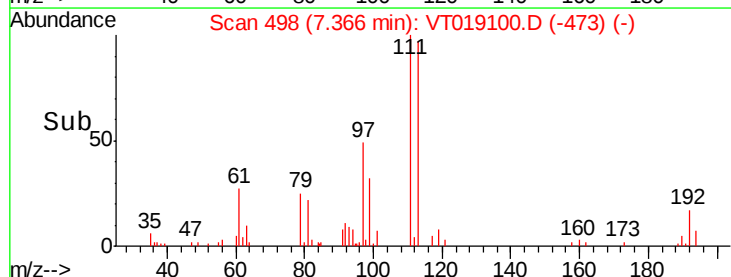
192 15.0 11.5 17.3

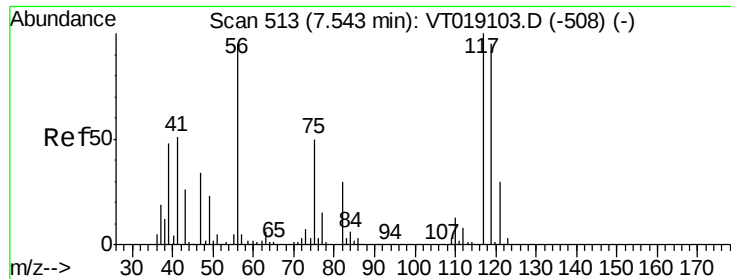


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#9

Carbon Tetrachloride

Concen: 4.973 ug/l

RT: 7.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

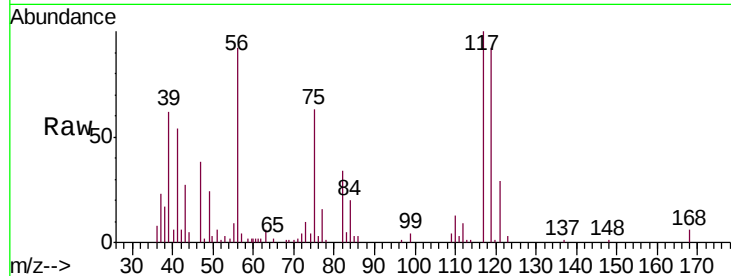
Tgt Ion:117 Resp: 66356

Ion Ratio Lower Upper

117 100

119 92.5 75.0 112.6

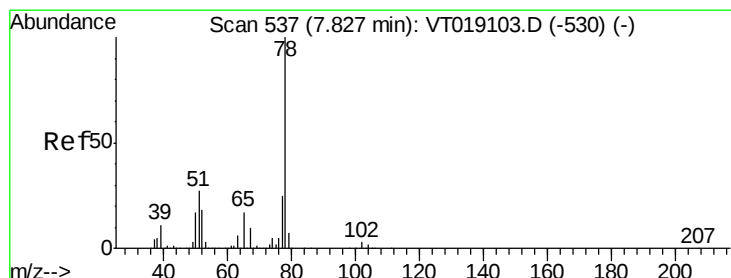
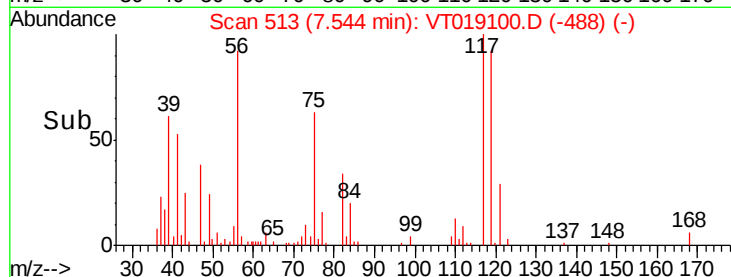
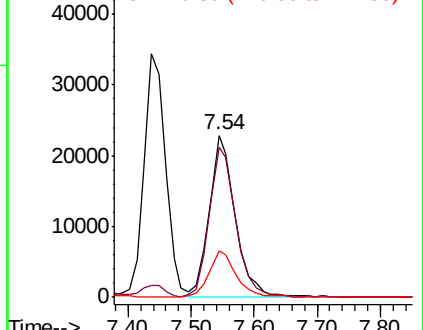
121 28.5 23.5 35.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#10

Benzene

Concen: 4.996 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.01 min

Lab File: VT019100.D

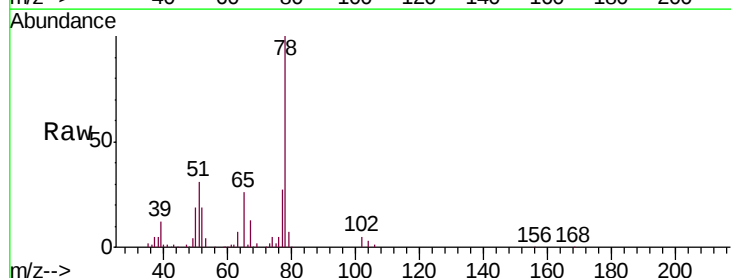
Acq: 28 Nov 2018 10:20

Tgt Ion: 78 Resp: 216904

Ion Ratio Lower Upper

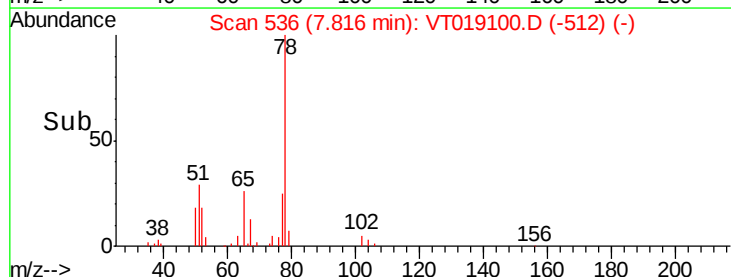
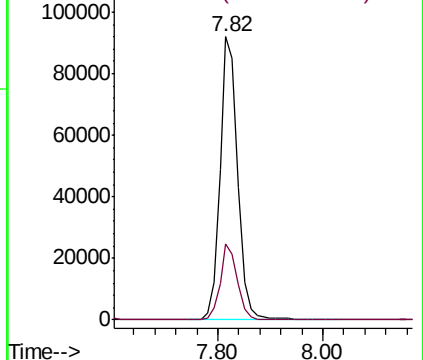
78 100

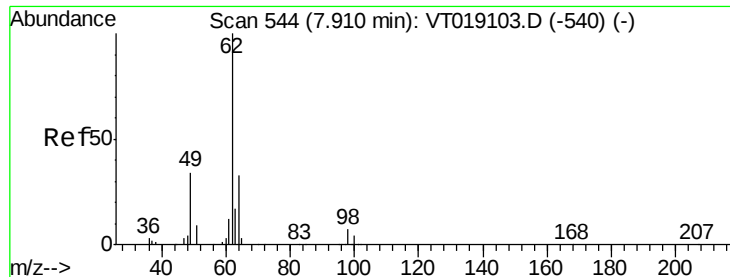
77 26.7 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VT0

Ion 77.00 (76.70 to 77.70): VT0

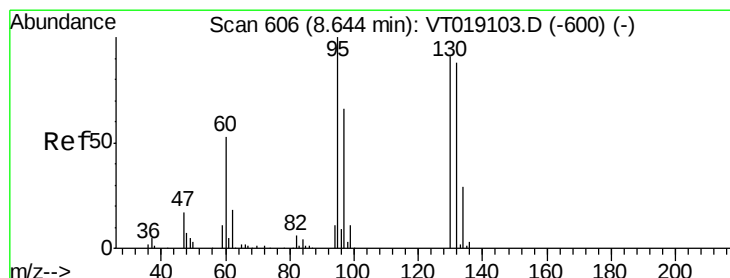
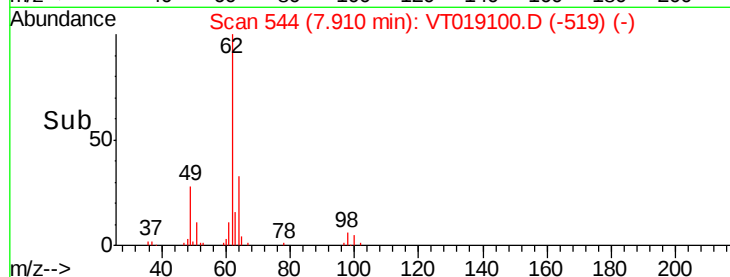
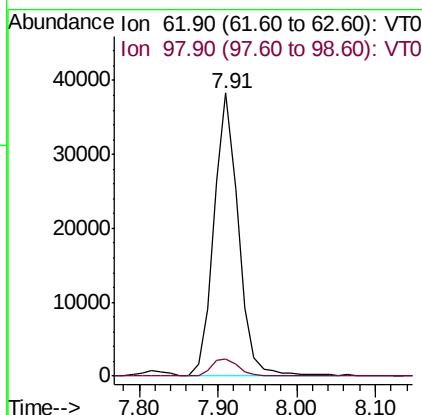
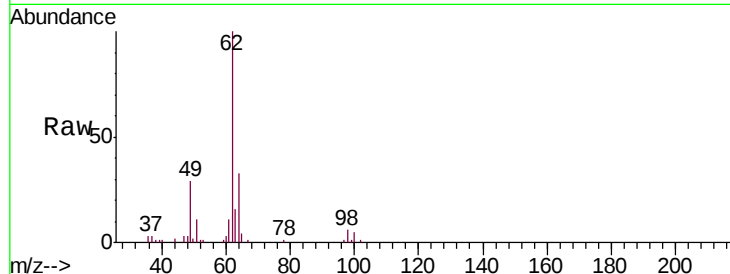




#11
 1,2-Dichloroethane
 Concen: 5.180 ug/l
 RT: 7.91 min Scan# 544
 Delta R.T. 0.00 min
 Lab File: VT019100.D
 Acq: 28 Nov 2018 10:20

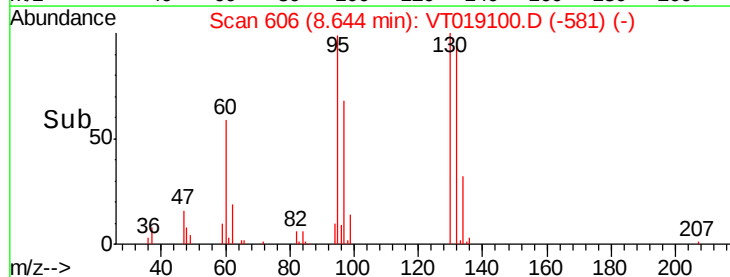
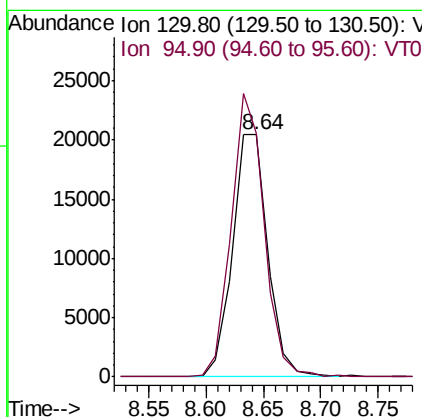
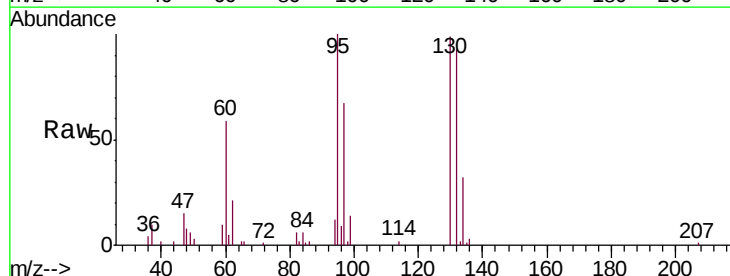
Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC005

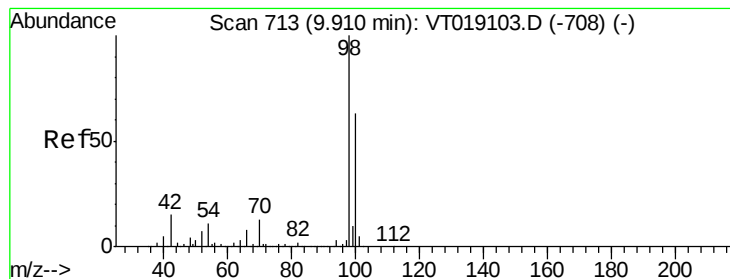
Tgt Ion: 62 Resp: 82134
 Ion Ratio Lower Upper
 62 100
 98 6.6 0.0 14.6



#12
 Trichloroethene
 Concen: 5.159 ug/l
 RT: 8.64 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VT019100.D
 Acq: 28 Nov 2018 10:20

Tgt Ion: 130 Resp: 43835
 Ion Ratio Lower Upper
 130 100
 95 100.9 0.0 218.8





#13

Toluene-d8

Concen: 4.509 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

Instrument :

MSVOA_T

ClientSampleId :

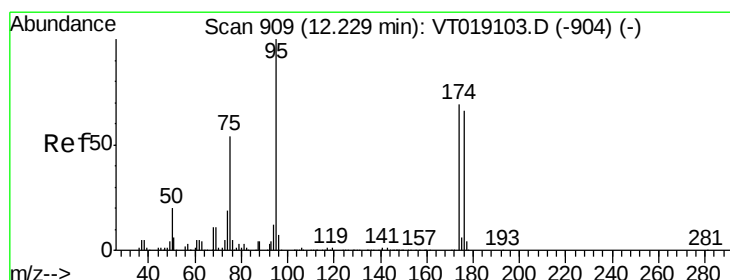
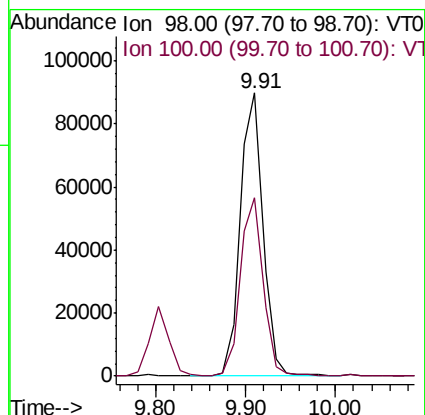
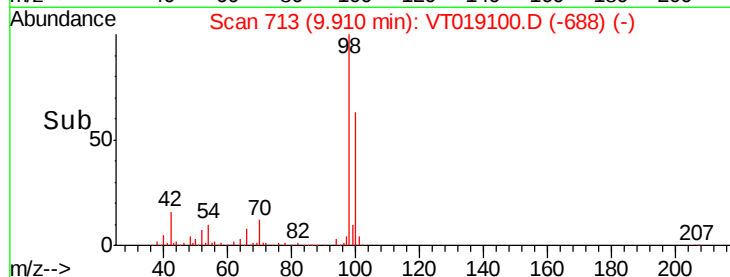
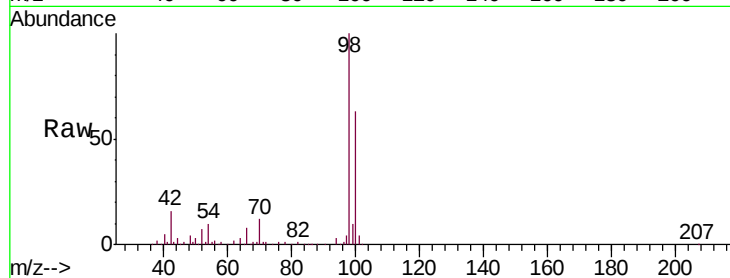
VSTDIC005

Tgt Ion: 98 Resp: 158155

Ion Ratio Lower Upper

98 100

100 63.5 50.2 75.2



#14

4-Bromofluorobenzene

Concen: 4.288 ug/l

RT: 12.23 min Scan# 909

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

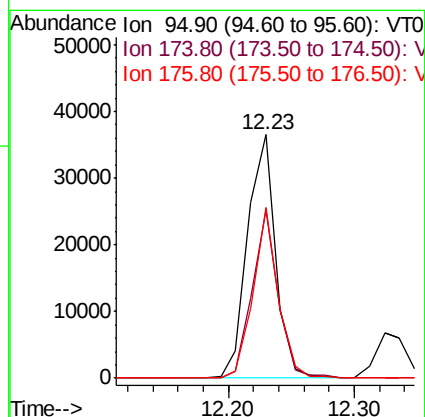
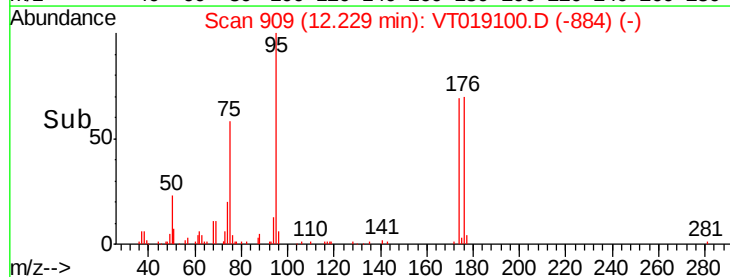
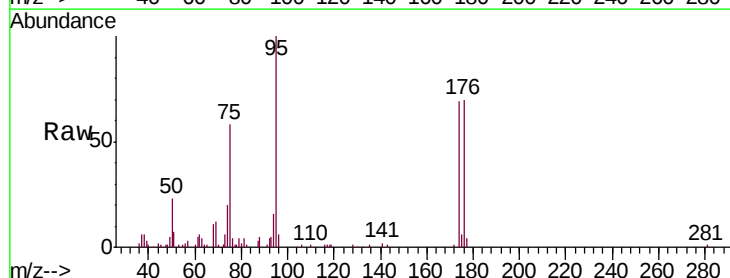
Tgt Ion: 95 Resp: 56554

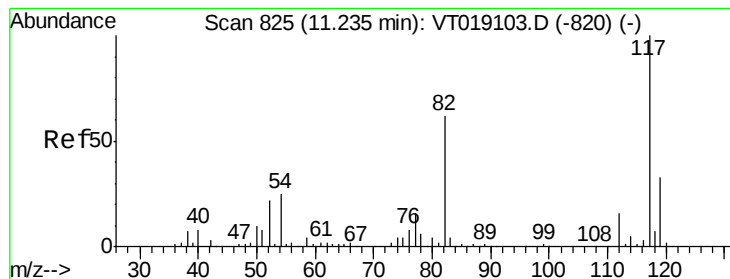
Ion Ratio Lower Upper

95 100

174 63.3 0.0 123.2

176 62.3 0.0 118.8





#15

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.22 min Scan# 824

Delta R.T. -0.01 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC005

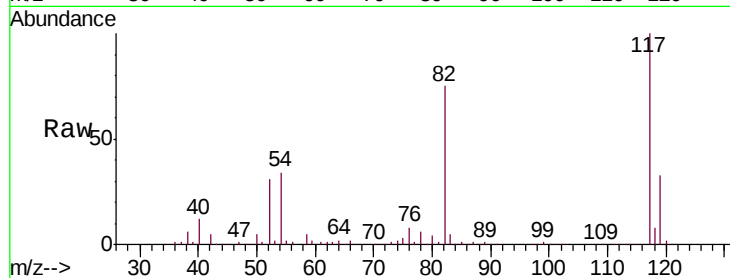
Tgt Ion:117 Resp: 1161398

Ion Ratio Lower Upper

117 100

82 75.0 49.7 74.5#

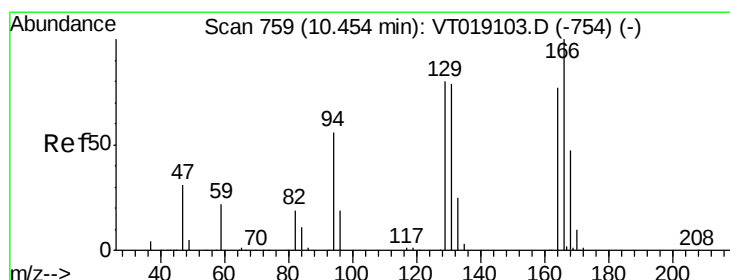
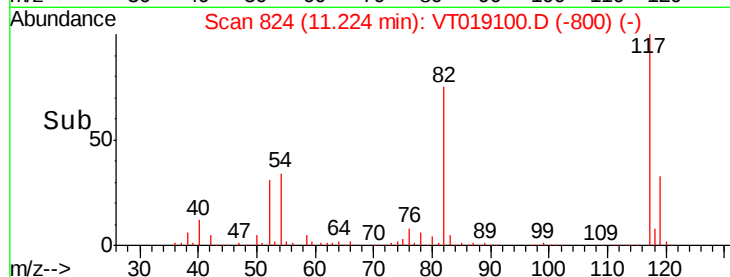
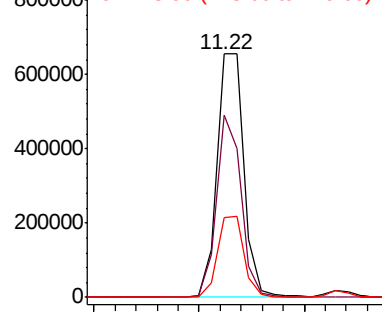
119 32.7 26.3 39.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VT0

Ion 118.90 (118.60 to 119.60): V



#16

Tetrachloroethene

Concen: 4.983 ug/l

RT: 10.45 min Scan# 759

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

Tgt Ion:164 Resp: 32244

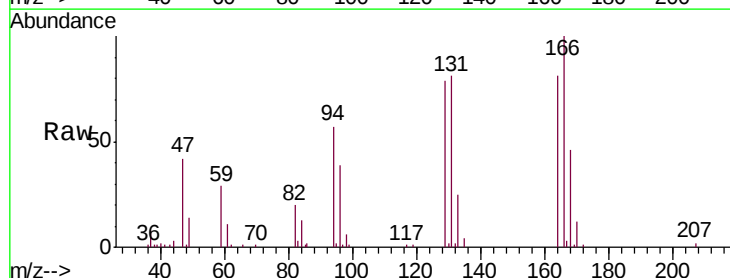
Ion Ratio Lower Upper

164 100

166 123.3 103.6 155.4

129 97.6 82.9 124.3

131 100.4 81.7 122.5

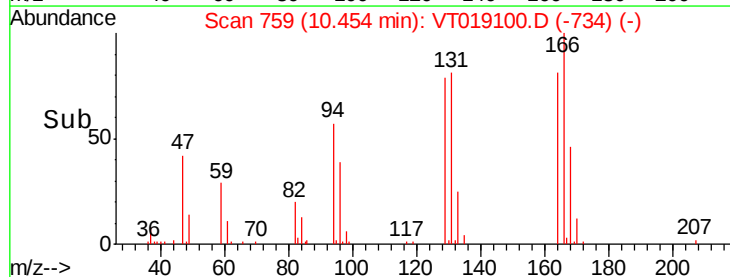
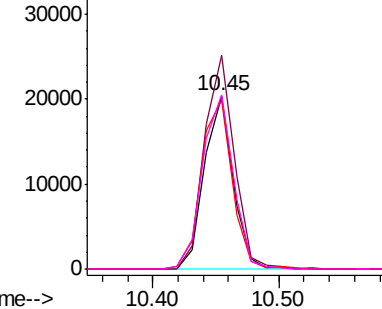


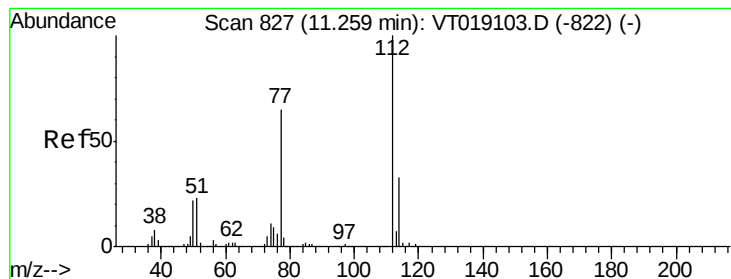
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#17

Chlorobenzene

Concen: 5.173 ug/l

RT: 11.26 min Scan# 827

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

Instrument :

MSVOA_T

ClientSampleId :

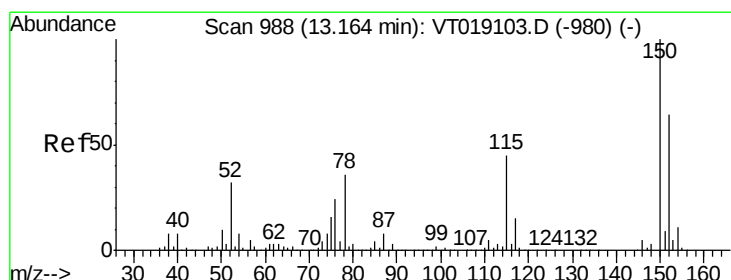
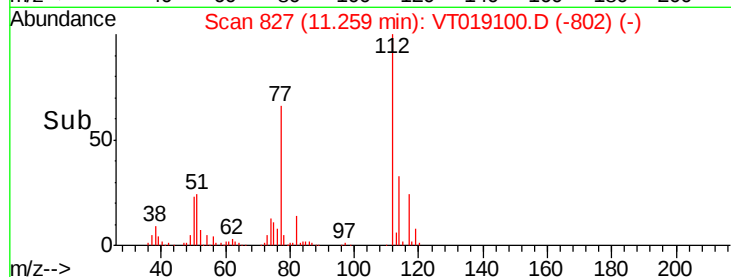
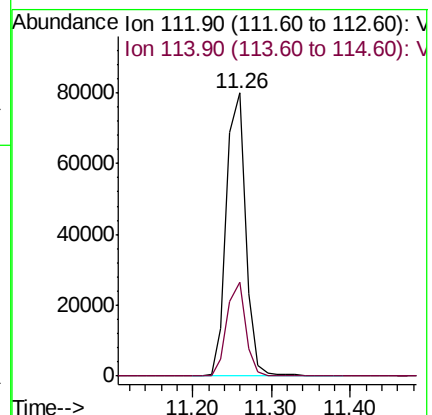
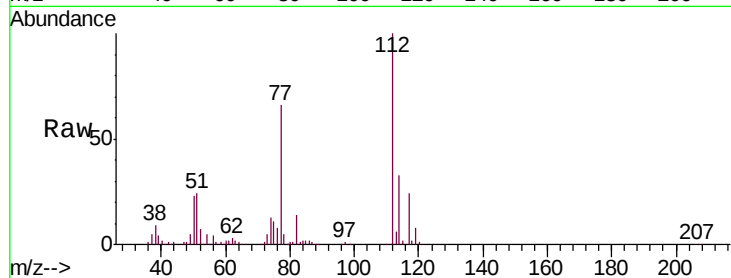
VSTDIC005

Tgt Ion:112 Resp: 136260

Ion Ratio Lower Upper

112 100

114 33.1 26.3 39.5



#18

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.16 min Scan# 988

Delta R.T. 0.00 min

Lab File: VT019100.D

Acq: 28 Nov 2018 10:20

Tgt Ion:152 Resp: 590802

Ion Ratio Lower Upper

152 100

115 68.9 33.0 99.0

150 158.3 0.0 343.6

