

Data Path : Z:\VOASRV\HPCHEM1\MSVOA T\DATA\VT112818\
 Data File : VT019117.D
 Acq On : 28 Nov 2018 21:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA T/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 29 06:31:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_T\METHODS\82T112818TCLP.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 06:21:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.45	168	316754	50.00	ug/l	0.00
7) 1,4-Difluorobenzene	8.38	114	599830	50.00	ug/l	0.00
15) Chlorobenzene-d5	11.24	117	607967	50.00	ug/l	0.00
18) 1,4-Dichlorobenzene-d4	13.16	152	315479	50.00	ug/l	0.00

System Monitoring Compounds

6) 1,2-Dichloroethane-d4	7.82	65	366400	58.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.76%	
8) Dibromofluoromethane	7.37	113	214686	55.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.20%	
13) Toluene-d8	9.91	98	945502	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
14) 4-Bromofluorobenzene	12.23	95	366722	57.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.38%	

Target Compounds

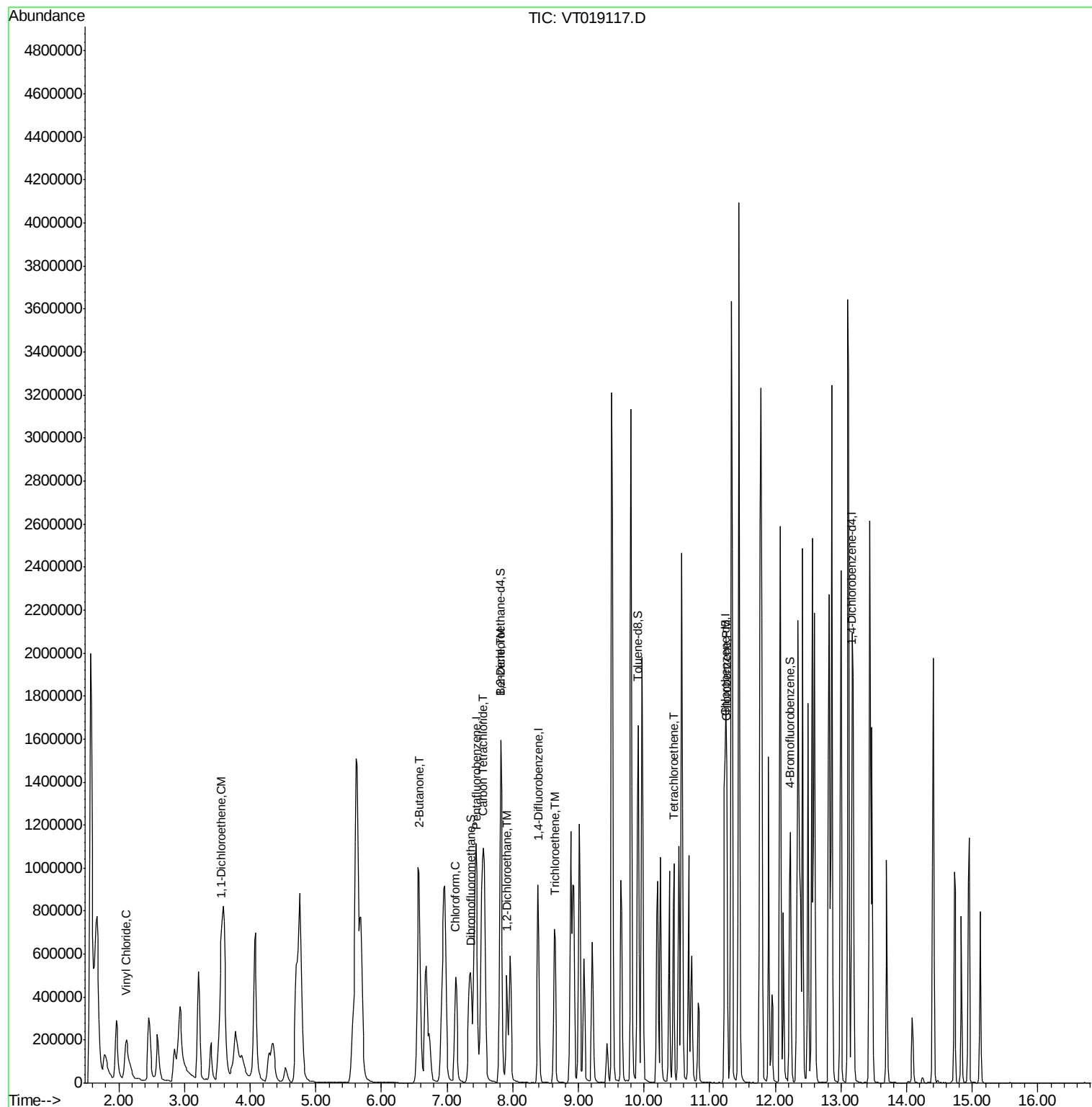
					Qvalue
2) Vinyl Chloride	2.11	62	537008	55.609	ug/l 99
3) 1,1-Dichloroethene	3.56	96	358689	53.996	ug/l # 82
4) 2-Butanone	6.57	43	850201	285.888	ug/l 97
5) Chloroform	7.13	83	478690	55.027	ug/l 100
9) Carbon Tetrachloride	7.54	117	357146	55.532	ug/l 99
10) Benzene	7.82	78	1121654	53.601	ug/l 100
11) 1,2-Dichloroethane	7.91	62	443463	58.032	ug/l 96
12) Trichloroethene	8.64	130	202236	49.382	ug/l 91
16) Tetrachloroethene	10.45	164	168638	49.785	ug/l 91
17) Chlorobenzene	11.26	112	686099	49.754	ug/l 99

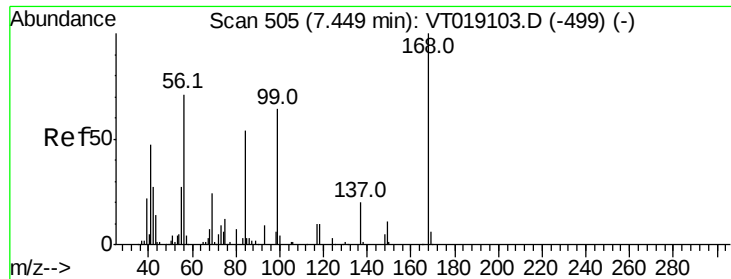
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 06:21:27 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: VT019117.D

Acq: 28 Nov 2018 21:19

Instrument :

MSVOA_T

ClientSampleId :

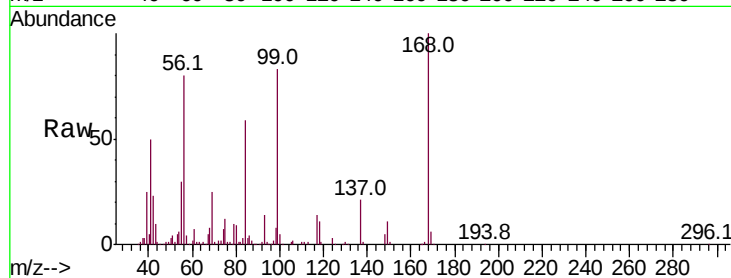
VSTDCCC050EC

Tot Ion:168 Resp: 316754

Ion Ratio Lower Upper

168 100

99 82.4 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

150000

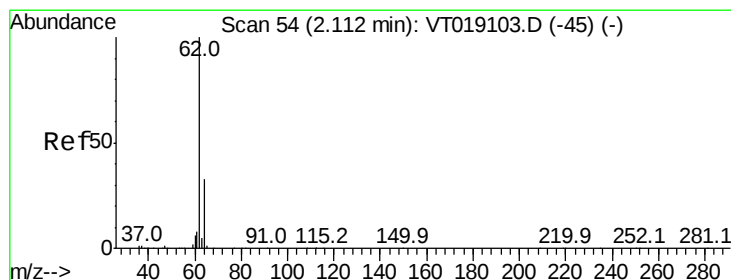
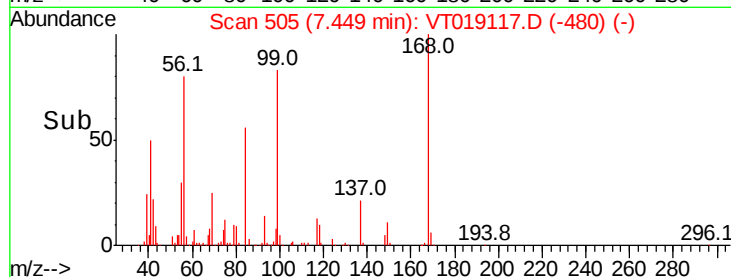
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#2

Vinyl Chloride

Concen: 55.609 ug/l

RT: 2.11 min Scan# 54

Delta R.T. 0.00 min

Lab File: VT019117.D

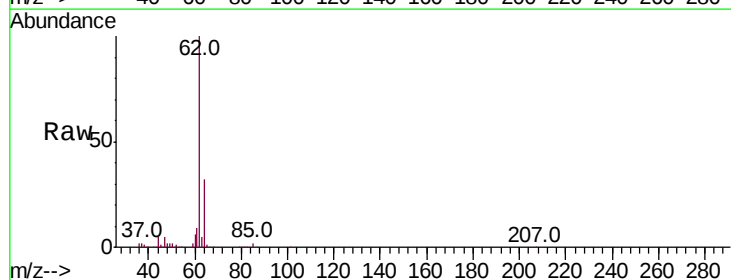
Acq: 28 Nov 2018 21:19

Tgt Ion: 62 Resp: 537008

Ion Ratio Lower Upper

62 100

64 31.9 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VT0

Ion 63.90 (63.60 to 64.60): VT0

2.11

120000

100000

80000

60000

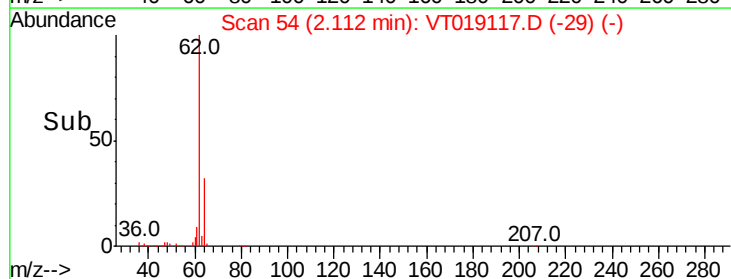
40000

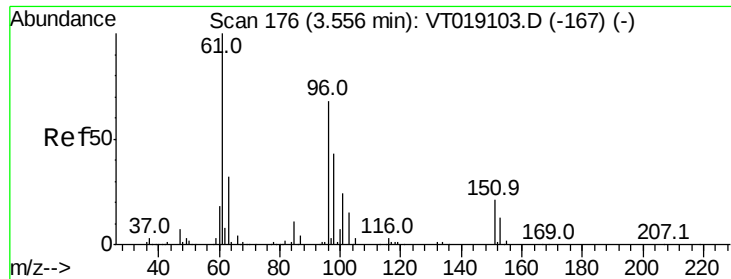
20000

0

2.00 2.20 2.40

Time-->





#3

1,1-Dichloroethene

Concen: 53.996 ug/l

RT: 3.56 min Scan# 176

Delta R.T. 0.00 min

Lab File: VT019117.D

Acq: 28 Nov 2018 21:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDCCC050EC

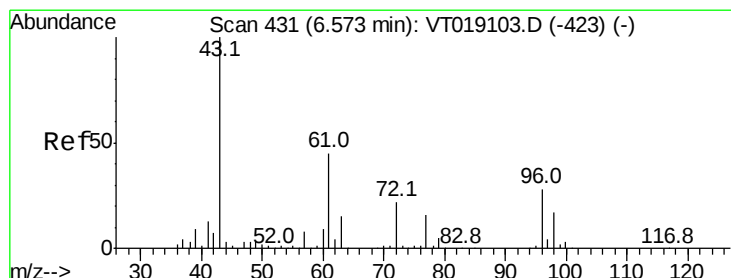
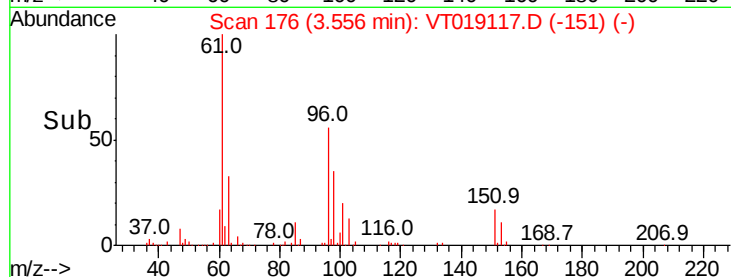
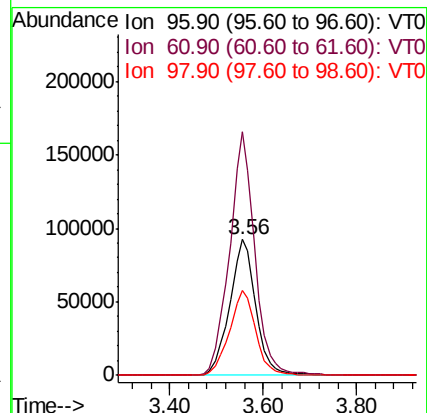
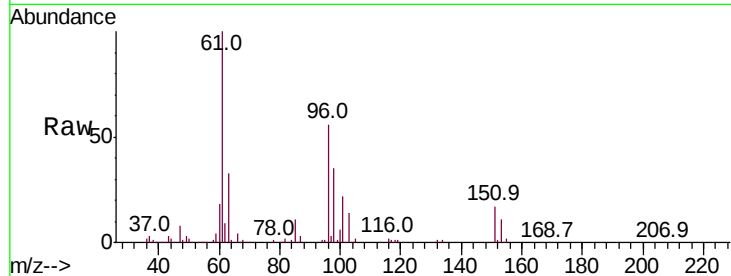
Tot Ion: 96 Resp: 358689

Ion Ratio Lower Upper

96 100

61 179.3 117.8 176.8#

98 62.5 51.0 76.6



#4

2-Butanone

Concen: 285.888 ug/l

RT: 6.57 min Scan# 431

Delta R.T. 0.00 min

Lab File: VT019117.D

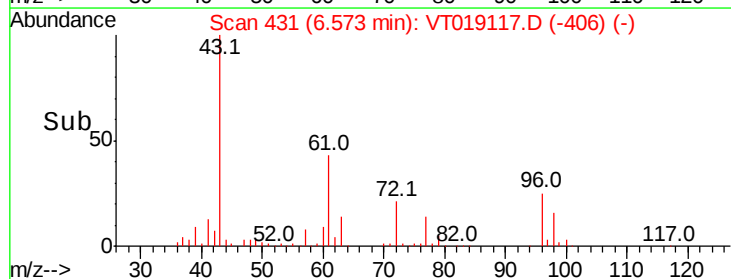
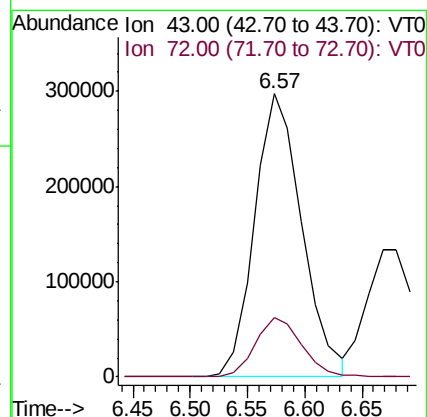
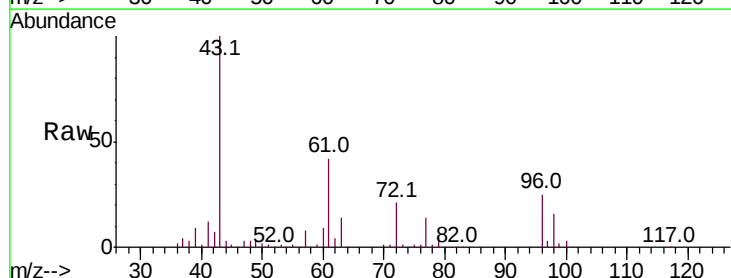
Acq: 28 Nov 2018 21:19

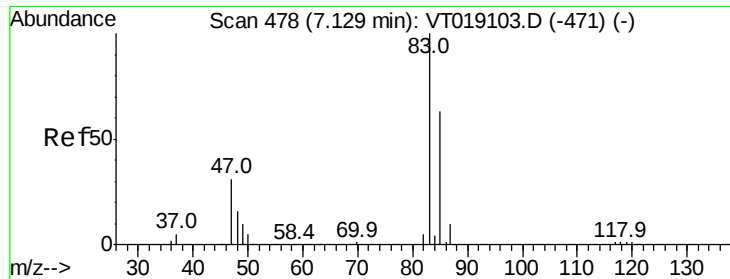
Tgt Ion: 43 Resp: 850201

Ion Ratio Lower Upper

43 100

72 20.9 17.8 26.6





#5

Chloroform

Concen: 55.027 ug/l

RT: 7.13 min Scan# 478

Delta R.T. 0.00 min

Lab File: VT019117.D

Acq: 28 Nov 2018 21:19

Instrument :

MSVOA_T

ClientSampleId :

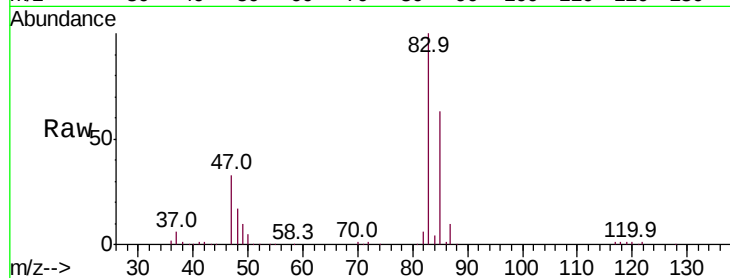
VSTDCCC050EC

Tot Ion: 83 Resp: 478690

Ion Ratio Lower Upper

83 100

85 63.1 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VT0

Ion 84.90 (84.60 to 85.60): VT0

7.13

200000

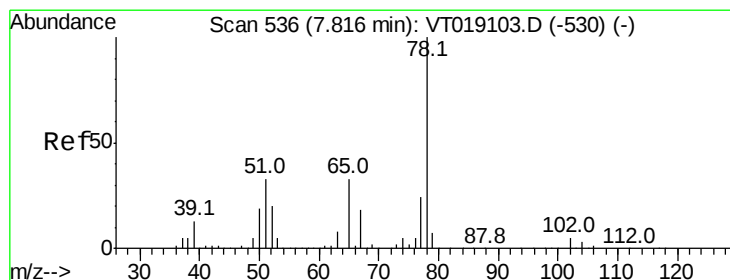
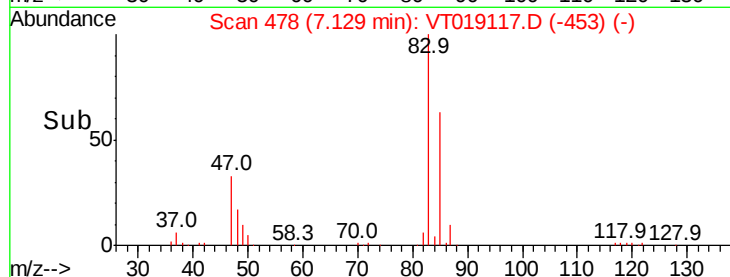
150000

100000

50000

0

Time-->



#6

1,2-Dichloroethane-d4

Concen: 58.882 ug/l

RT: 7.82 min Scan# 536

Delta R.T. 0.00 min

Lab File: VT019117.D

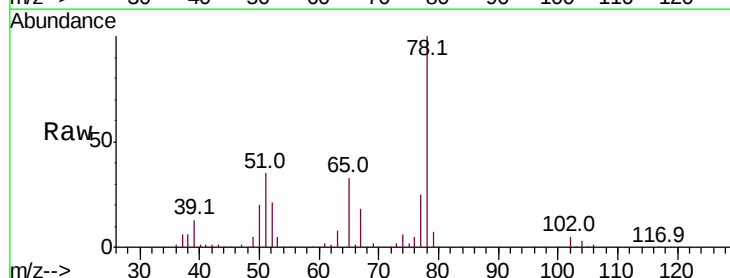
Acq: 28 Nov 2018 21:19

Tgt Ion: 65 Resp: 366400

Ion Ratio Lower Upper

65 100

67 51.8 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VT0

Ion 66.90 (66.60 to 67.60): VT0

7.82

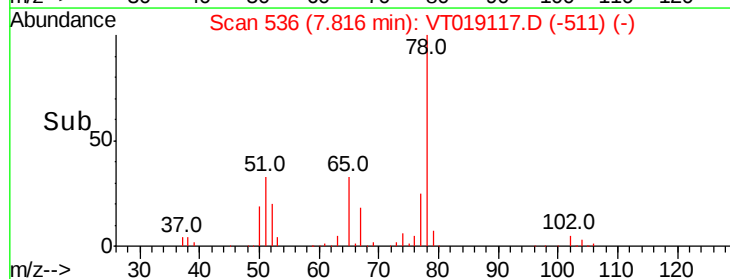
150000

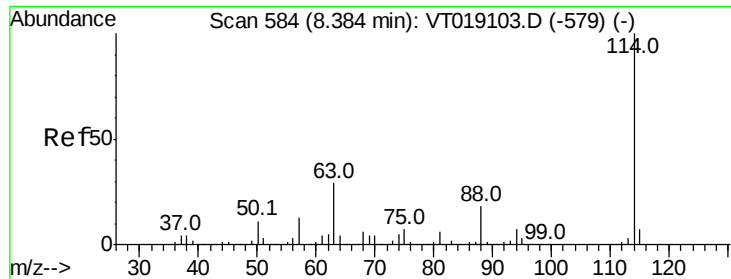
100000

50000

0

Time-->





#7

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.38 min Scan# 584

Delta R.T. 0.00 min

Lab File: VT019117.D

Acq: 28 Nov 2018 21:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDCCC050EC

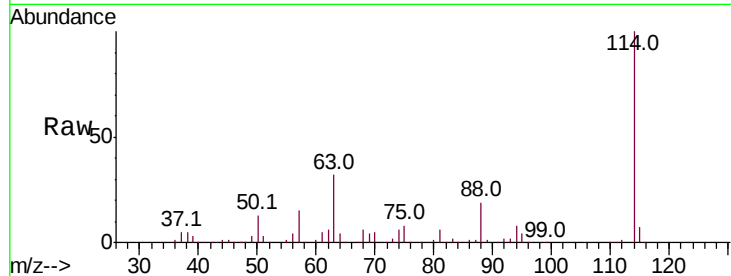
Tot Ion:114 Resp: 599830

Ion Ratio Lower Upper

114 100

63 31.9 0.0 57.4

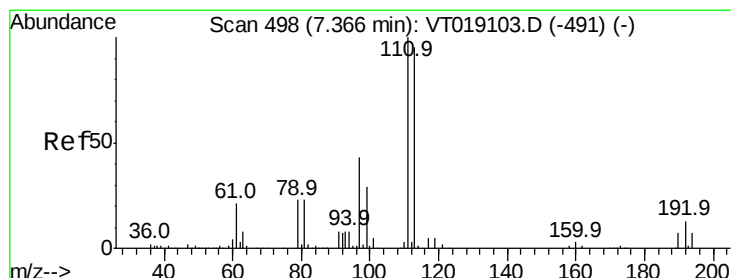
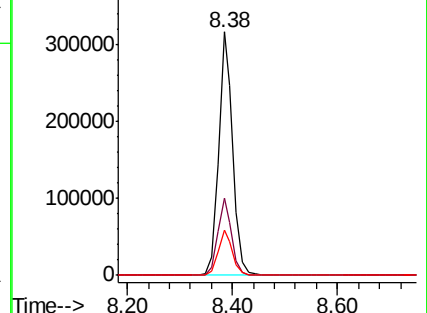
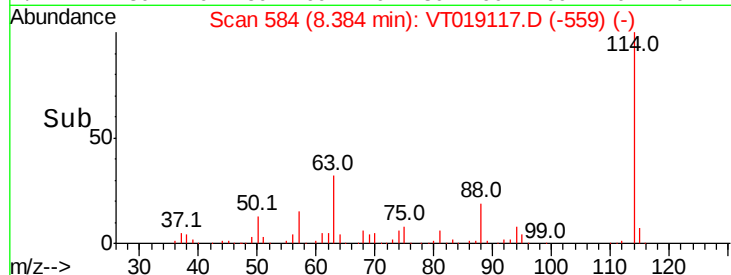
88 18.5 0.0 37.0



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: 55.605 ug/l

RT: 7.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VT019117.D

Acq: 28 Nov 2018 21:19

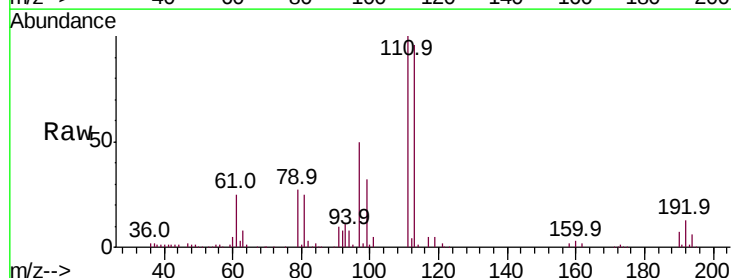
Tgt Ion:113 Resp: 214686

Ion Ratio Lower Upper

113 100

111 102.0 83.9 125.9

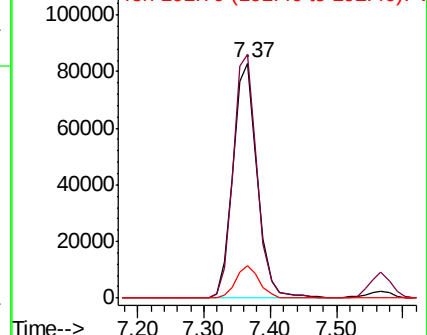
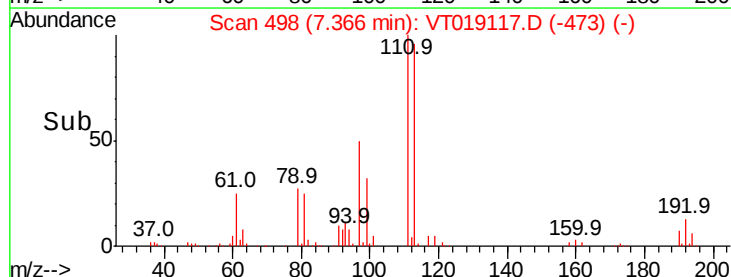
192 13.2 11.5 17.3

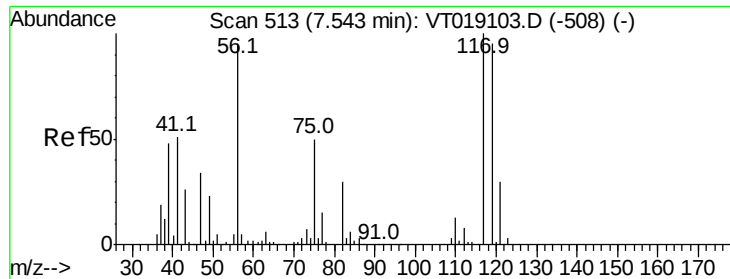


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

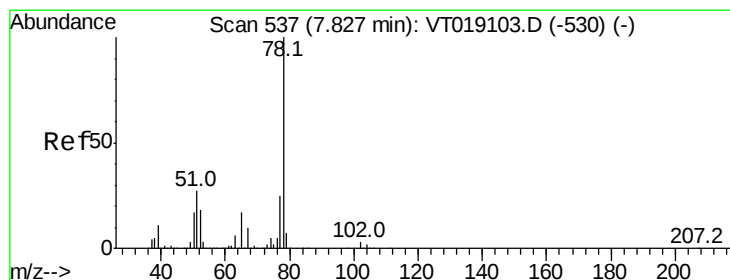
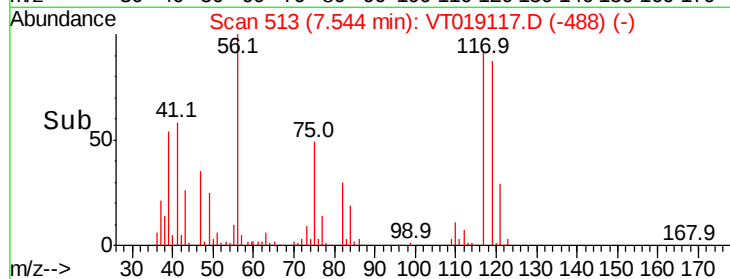
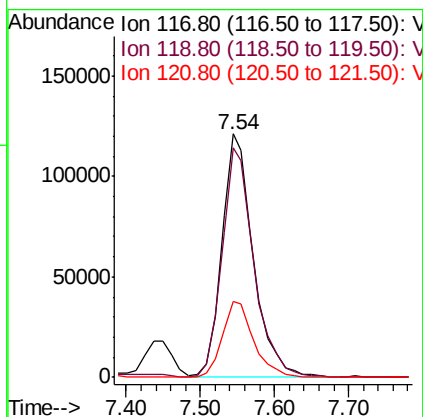
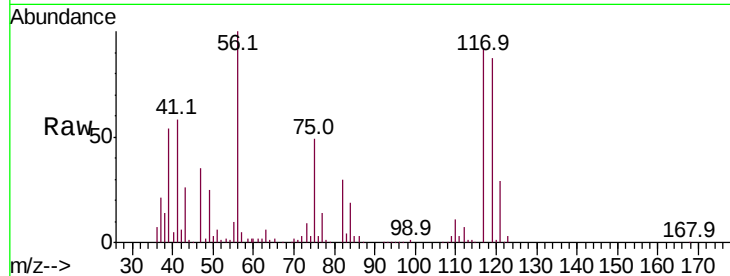




#9
Carbon Tetrachloride
Concen: 55.532 ug/l
RT: 7.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VT019117.D
Acq: 28 Nov 2018 21:19

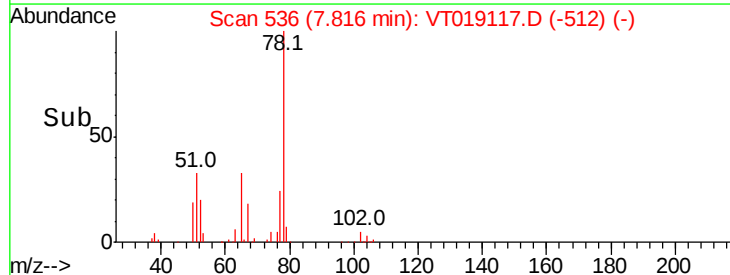
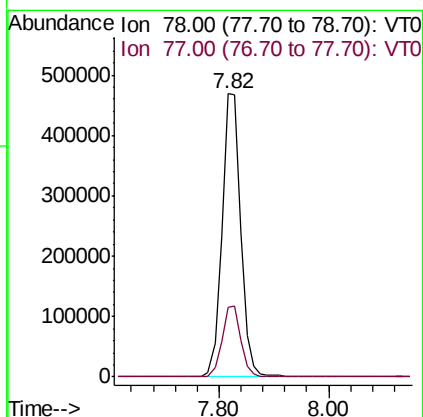
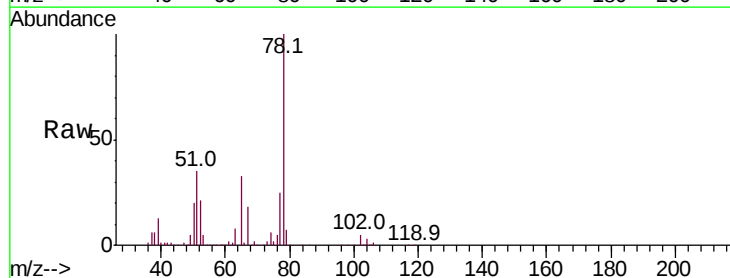
Instrument :
MSVOA_T
ClientSampleId :
VSTDCCC050EC

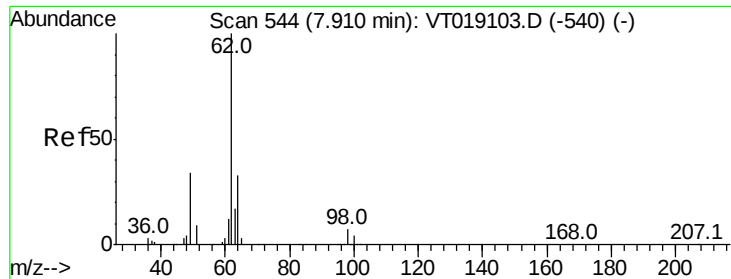
Tot Ion:117 Resp: 357146
Ion Ratio Lower Upper
117 100
119 94.6 75.0 112.6
121 31.2 23.5 35.3



#10
Benzene
Concen: 53.601 ug/l
RT: 7.82 min Scan# 536
Delta R.T. -0.01 min
Lab File: VT019117.D
Acq: 28 Nov 2018 21:19

Tgt Ion: 78 Resp: 1121654
Ion Ratio Lower Upper
78 100
77 24.8 19.7 29.5





#11

1,2-Dichloroethane

Concen: 58.032 ug/l

RT: 7.91 min Scan# 544

Delta R.T. 0.00 min

Lab File: VT019117.D

Acq: 28 Nov 2018 21:19

Instrument :

MSVOA_T

ClientSampleId :

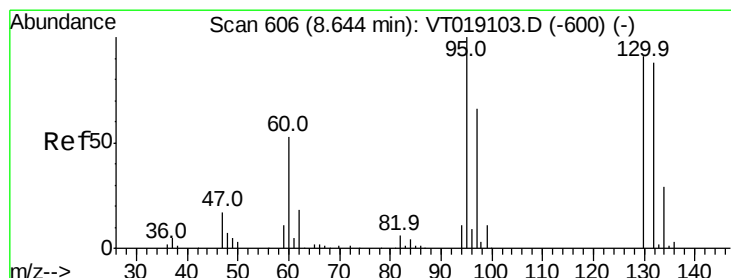
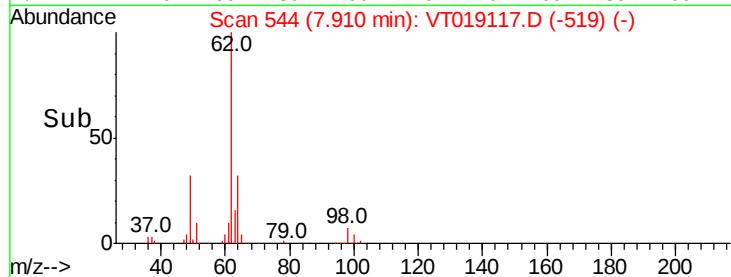
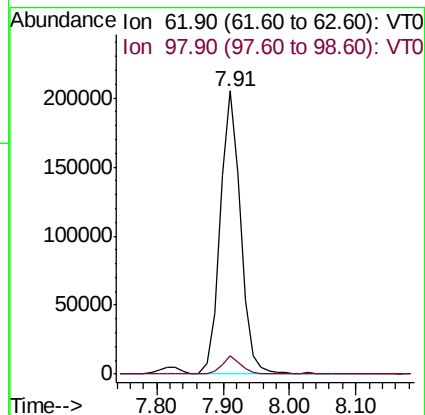
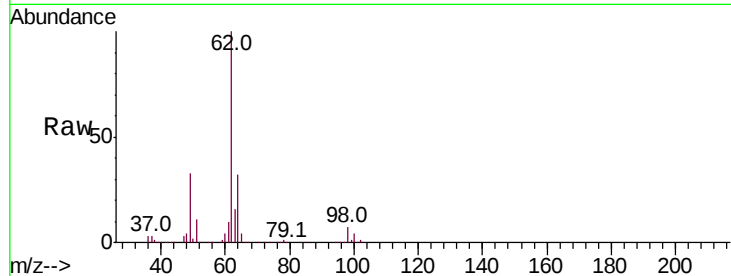
VSTDCCC050EC

Tot Ion: 62 Resp: 443463

Ion Ratio Lower Upper

62 100

98 6.1 0.0 14.6



#12

Trichloroethene

Concen: 49.382 ug/l

RT: 8.64 min Scan# 606

Delta R.T. 0.00 min

Lab File: VT019117.D

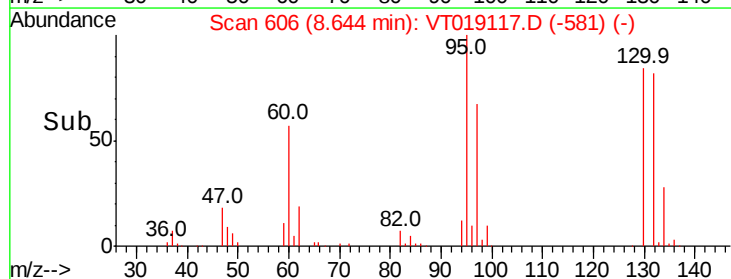
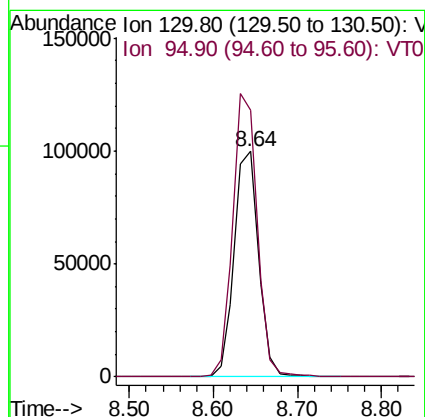
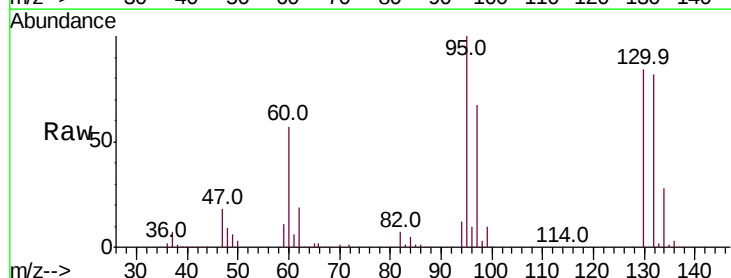
Acq: 28 Nov 2018 21:19

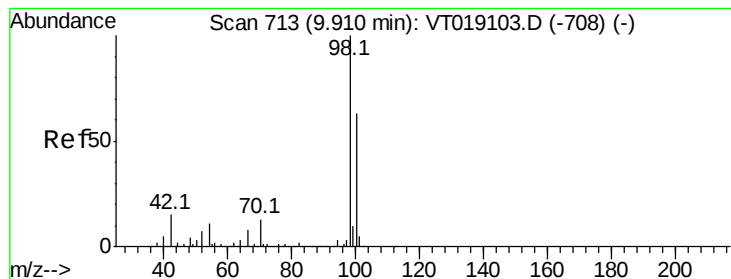
Tgt Ion:130 Resp: 202236

Ion Ratio Lower Upper

130 100

95 118.6 0.0 218.8





#13

Toluene-d8

Concen: 55.927 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.00 min

Lab File: VT019117.D

Acq: 28 Nov 2018 21:19

Instrument :

MSVOA_T

ClientSampleId :

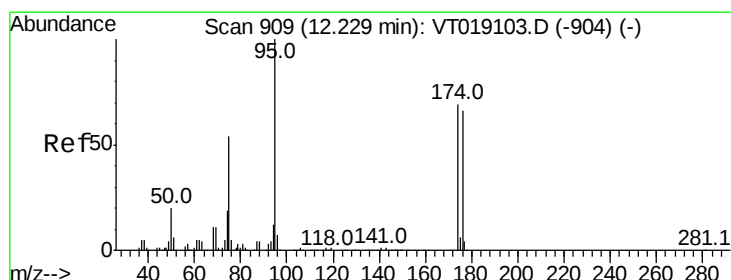
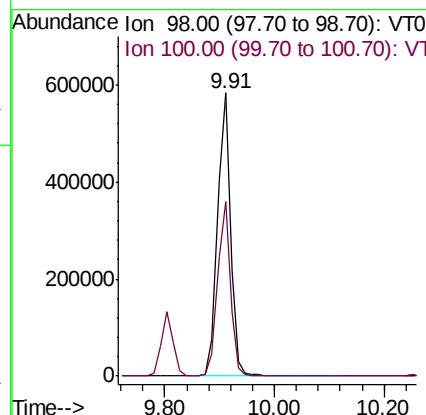
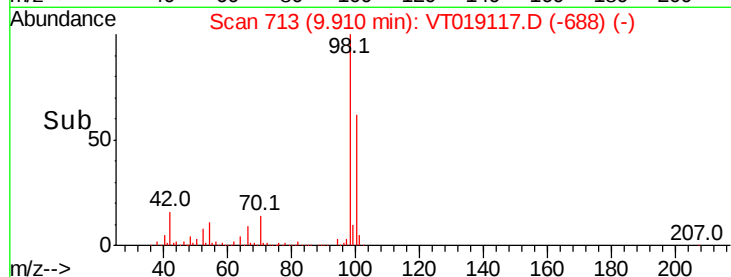
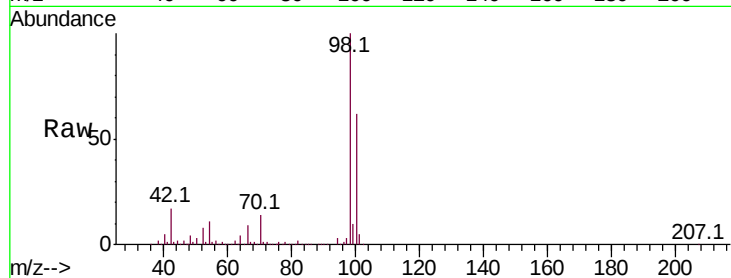
VSTDCCC050EC

Tot Ion: 98 Resp: 945502

Ion Ratio Lower Upper

98 100

100 61.1 50.2 75.2



#14

4-Bromofluorobenzene

Concen: 57.689 ug/l

RT: 12.23 min Scan# 909

Delta R.T. 0.00 min

Lab File: VT019117.D

Acq: 28 Nov 2018 21:19

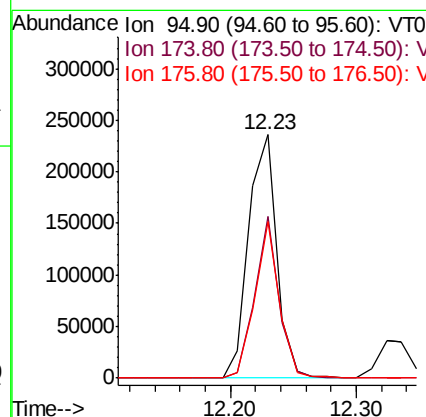
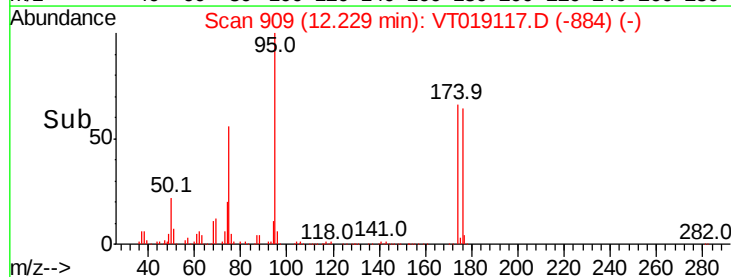
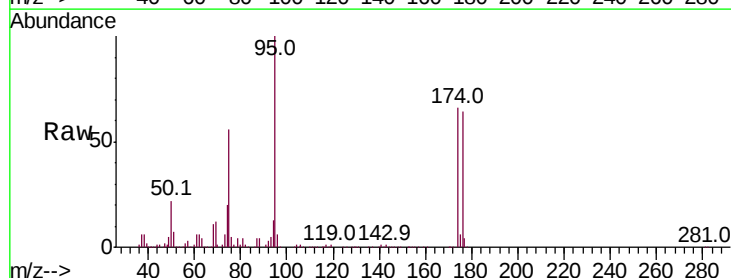
Tgt Ion: 95 Resp: 366722

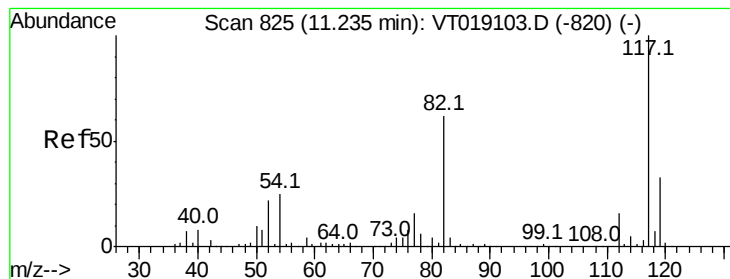
Ion Ratio Lower Upper

95 100

174 57.0 0.0 123.2

176 55.8 0.0 118.8





#15

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.24 min Scan# 825

Delta R.T. 0.00 min

Lab File: VT019117.D

Acq: 28 Nov 2018 21:19

Instrument :

MSVOA_T

ClientSampleId :

VSTDCCC050EC

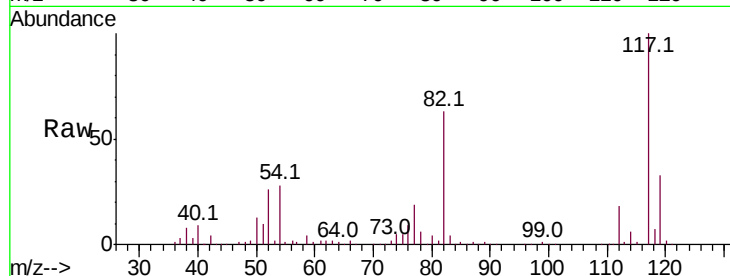
Tot Ion:117 Resp: 607967

Ion Ratio Lower Upper

117 100

82 62.7 49.7 74.5

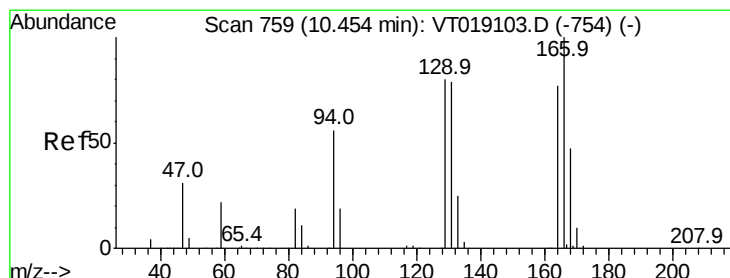
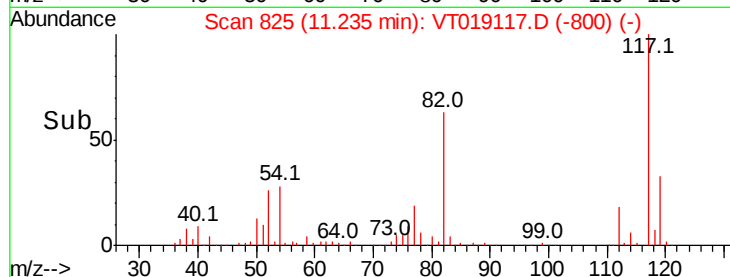
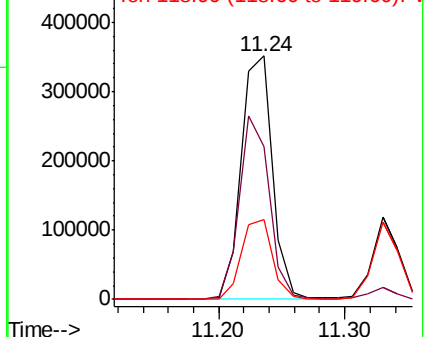
119 33.0 26.3 39.5



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: 49.785 ug/l

RT: 10.45 min Scan# 759

Delta R.T. 0.00 min

Lab File: VT019117.D

Acq: 28 Nov 2018 21:19

Tgt Ion:164 Resp: 168638

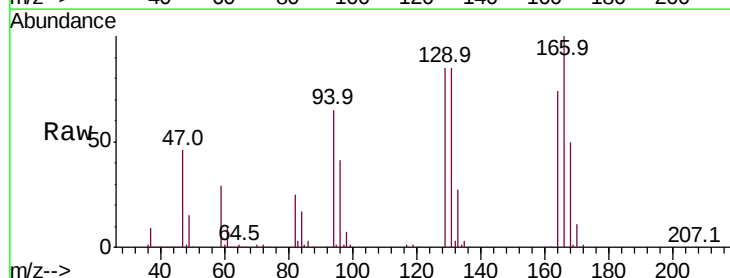
Ion Ratio Lower Upper

164 100

166 134.9 103.6 155.4

129 114.5 82.9 124.3

131 114.1 81.7 122.5

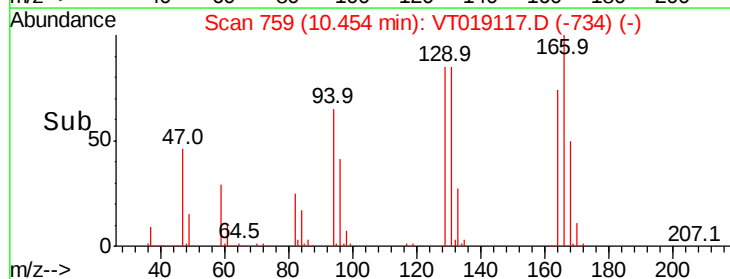
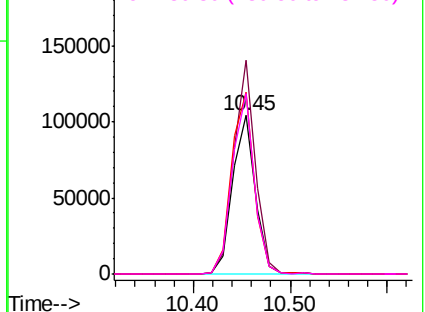


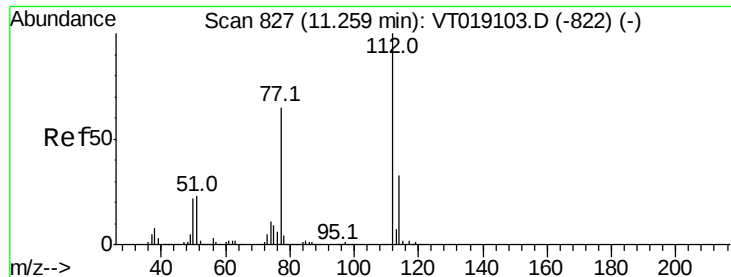
Abundance Ion 163.80 (163.50 to 164.50): V

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

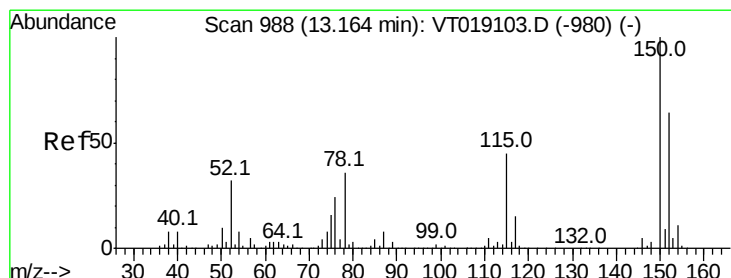
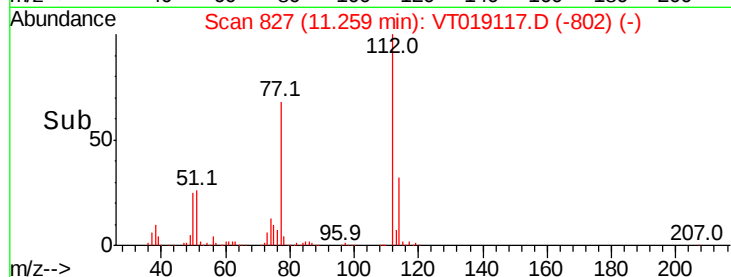
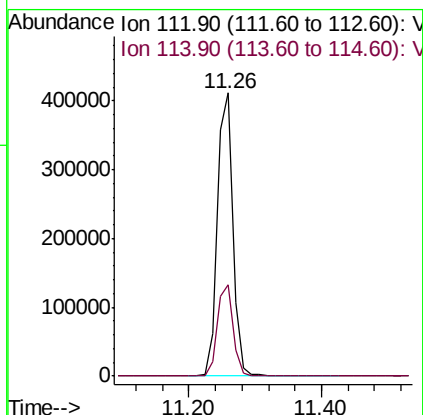
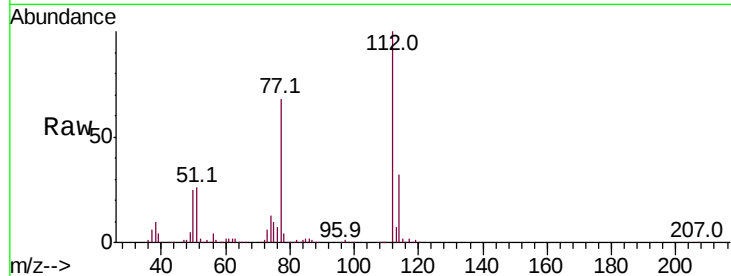




#17
Chlorobenzene
Concen: 49.754 ug/l
RT: 11.26 min Scan# 827
Delta R.T. 0.00 min
Lab File: VT019117.D
Acq: 28 Nov 2018 21:19

Instrument :
MSVOA_T
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 686099
Ion Ratio Lower Upper
112 100
114 32.1 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: VT019117.D
Acq: 28 Nov 2018 21:19

Tgt Ion:152 Resp: 315479
Ion Ratio Lower Upper
152 100
115 69.3 33.0 99.0
150 174.9 0.0 343.6

