

Data Path : Z:\VOASRV\HPCHEM1\MSVOA T\DATA\VT112818\
 Data File : VT019107.D
 Acq On : 28 Nov 2018 15:46
 Operator : SY/MD
 Sample : VT1128WBS01
 Misc : 5.0mL/MSVOA T/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1128WBS01

Quant Time: Nov 29 06:29:54 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	391576	50.00	ug/l	0.00
7) 1,4-Difluorobenzene	8.38	114	746133	50.00	ug/l	0.00
15) Chlorobenzene-d5	11.24	117	743937	50.00	ug/l	0.00
18) 1,4-Dichlorobenzene-d4	13.16	152	380670	50.00	ug/l	0.00

System Monitoring Compounds

6) 1,2-Dichloroethane-d4	7.80	65	449220	58.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	116.80%	
8) Dibromofluoromethane	7.35	113	266095	55.41	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.82%	
13) Toluene-d8	9.91	98	1231014	58.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.08%	
14) 4-Bromofluorobenzene	12.23	95	473319	59.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.72%	

Target Compounds

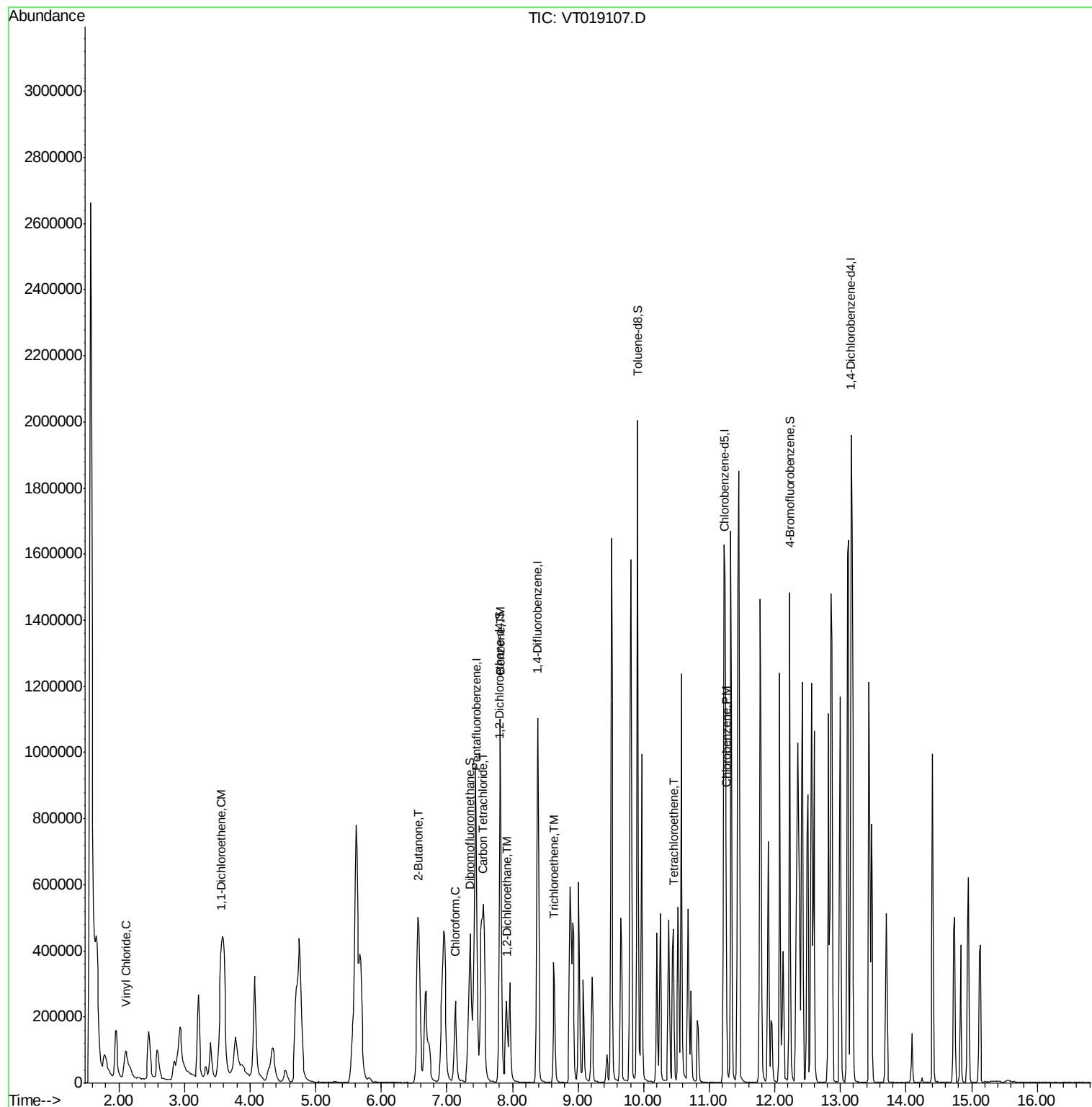
						Qvalue
2) Vinyl Chloride	2.11	62	262055	21.951	ug/l	99
3) 1,1-Dichloroethene	3.56	96	206770	25.179	ug/l	92
4) 2-Butanone	6.57	43	443380	120.602	ug/l	96
5) Chloroform	7.13	83	236960	22.034	ug/l	96
9) Carbon Tetrachloride	7.54	117	172768	21.596	ug/l	97
10) Benzene	7.82	78	577774	22.196	ug/l	99
11) 1,2-Dichloroethane	7.91	62	216644	22.791	ug/l	99
12) Trichloroethene	8.63	130	104183	20.451	ug/l	82
16) Tetrachloroethene	10.45	164	85112	20.534	ug/l	98
17) Chlorobenzene	11.26	112	352340	20.881	ug/l	99

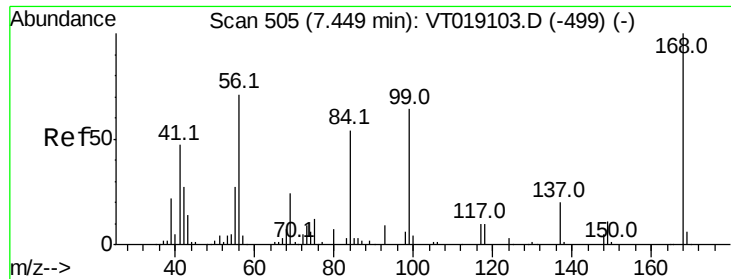
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA T\DATA\VT112818\
Data File : VT019107.D
Acq On : 28 Nov 2018 15:46
Operator : SY/MD
Sample : VT1128WBS01
Misc : 5.0mL/MSVOA T/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_T
ClientSampleId :
VT1128WBS01

Quant Time: Nov 29 06:29:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_T\METHODS\82T112818TCLP.M
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: VT019107.D

Acq: 28 Nov 2018 15:46

Instrument :

MSVOA_T

ClientSampleId :

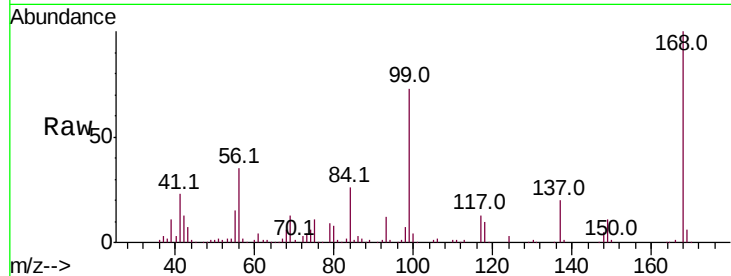
VT1128WBS01

Tot Ion:168 Resp: 391576

Ion Ratio Lower Upper

168 100

99 72.6 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

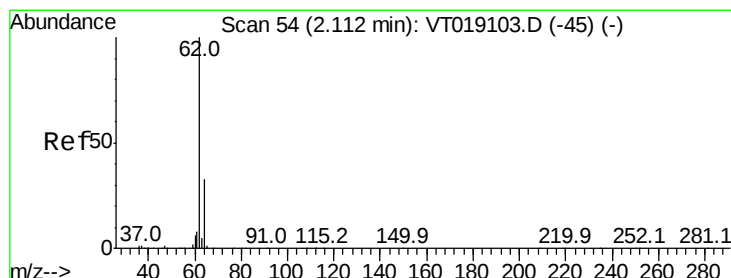
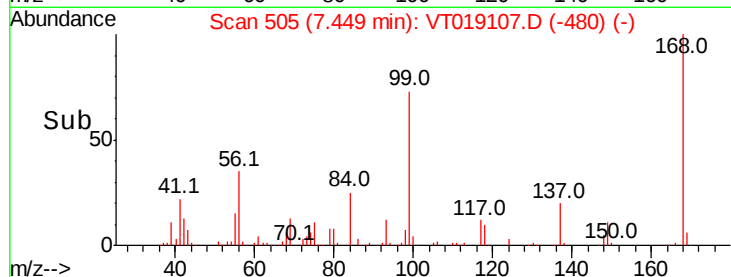
100000

50000

0

7.40 7.60 7.80

Time-->



#2

Vinyl Chloride

Concen: 21.951 ug/l

RT: 2.11 min Scan# 54

Delta R.T. 0.00 min

Lab File: VT019107.D

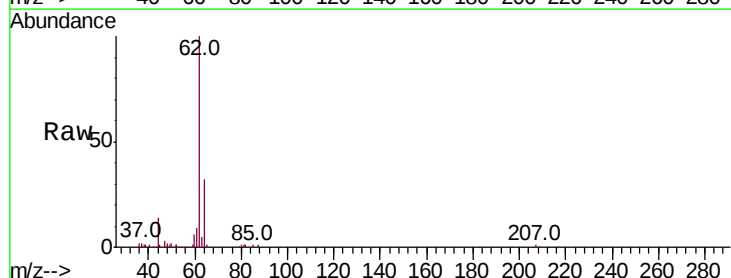
Acq: 28 Nov 2018 15:46

Tgt Ion: 62 Resp: 262055

Ion Ratio Lower Upper

62 100

64 31.8 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VT0

Ion 63.90 (63.60 to 64.60): VT0

2.11

50000

40000

30000

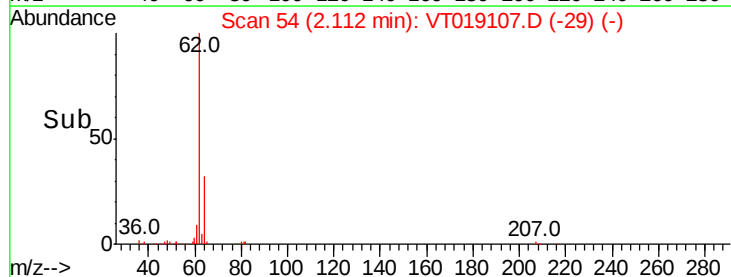
20000

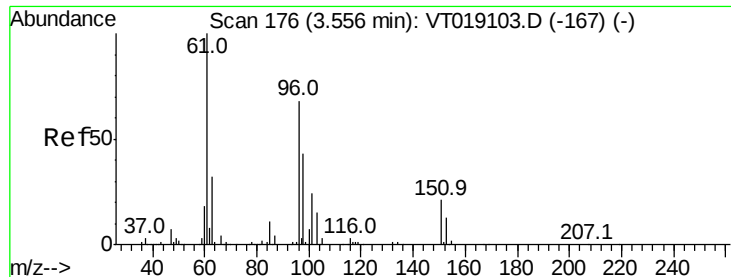
10000

0

2.00 2.20 2.40

Time-->





#3

1,1-Dichloroethene

Concen: 25.179 ug/l

RT: 3.56 min Scan# 176

Delta R.T. 0.00 min

Lab File: VT019107.D

Acq: 28 Nov 2018 15:46

Instrument :

MSVOA_T

ClientSampleId :

VT1128WBS01

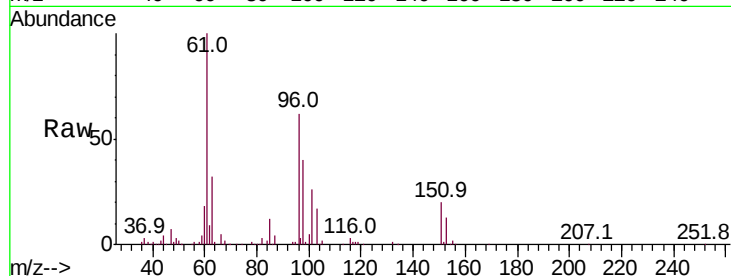
Tot Ion: 96 Resp: 206770

Ion Ratio Lower Upper

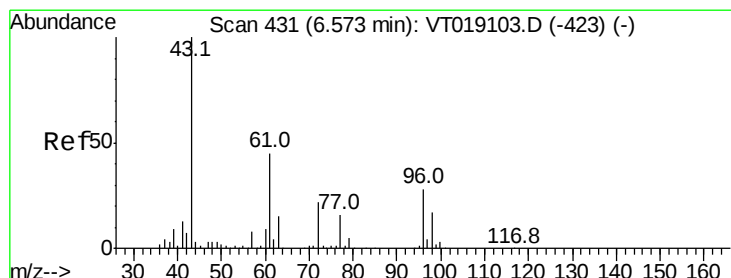
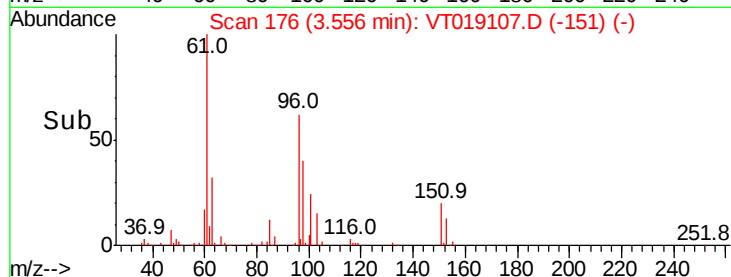
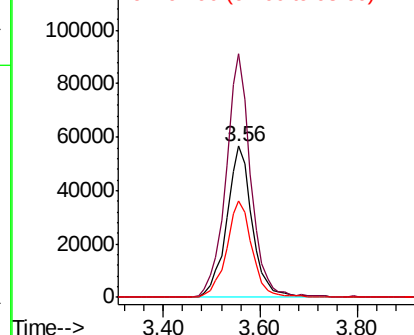
96 100

61 161.4 117.8 176.8

98 64.0 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: 120.602 ug/l

RT: 6.57 min Scan# 431

Delta R.T. 0.00 min

Lab File: VT019107.D

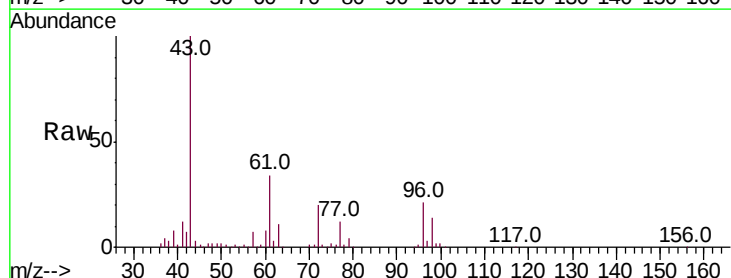
Acq: 28 Nov 2018 15:46

Tgt Ion: 43 Resp: 443380

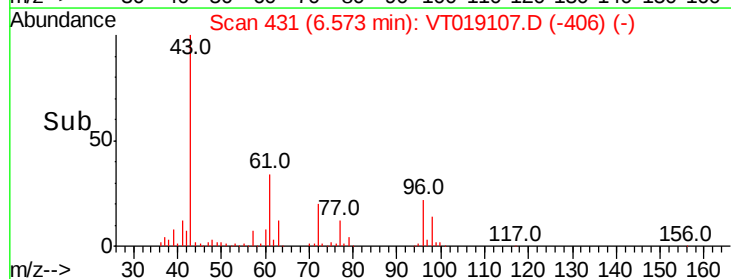
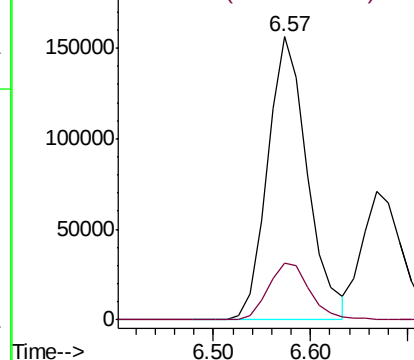
Ion Ratio Lower Upper

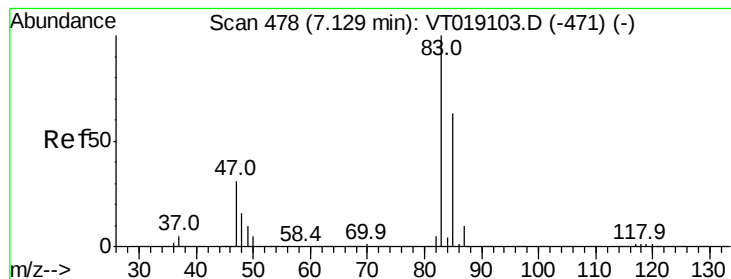
43 100

72 20.1 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: 22.034 ug/l

RT: 7.13 min Scan# 478

Delta R.T. 0.00 min

Lab File: VT019107.D

Acq: 28 Nov 2018 15:46

Instrument :

MSVOA_T

ClientSampleId :

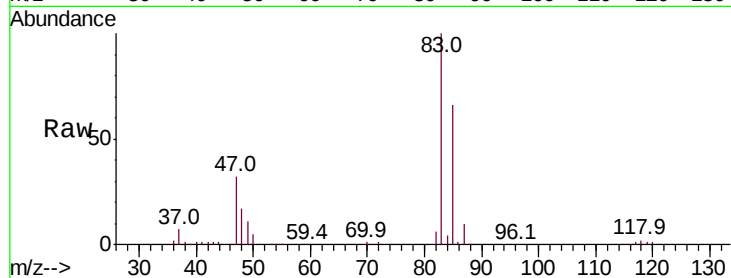
VT1128WBS01

Tot Ion: 83 Resp: 236960

Ion Ratio Lower Upper

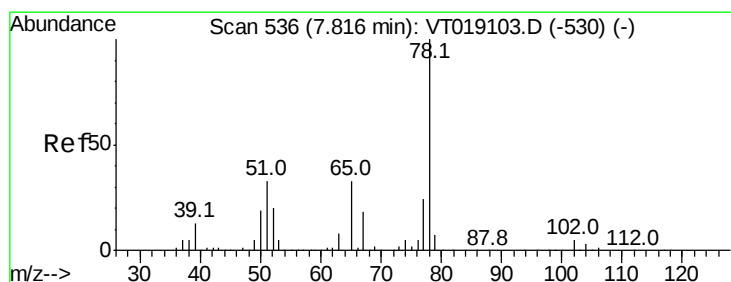
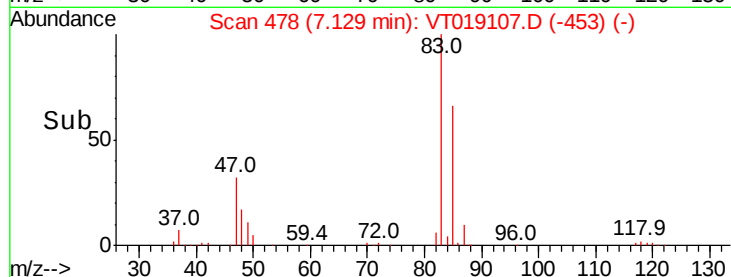
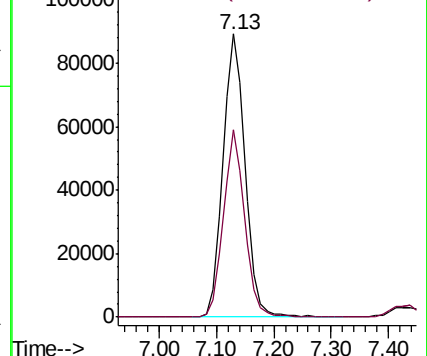
83 100

85 66.1 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: 58.397 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.01 min

Lab File: VT019107.D

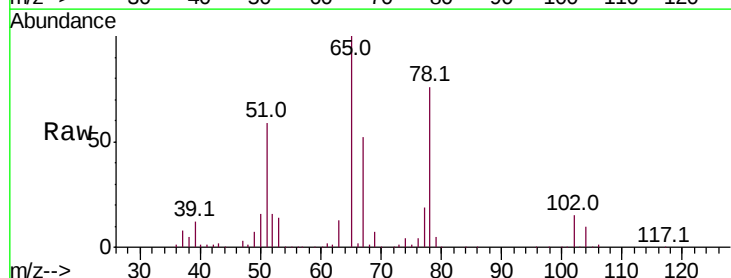
Acq: 28 Nov 2018 15:46

Tgt Ion: 65 Resp: 449220

Ion Ratio Lower Upper

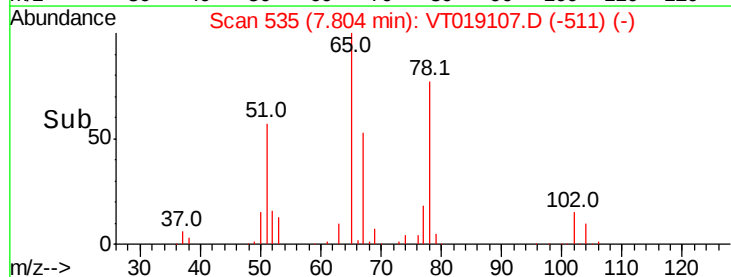
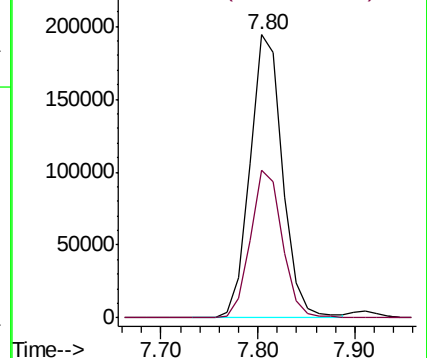
65 100

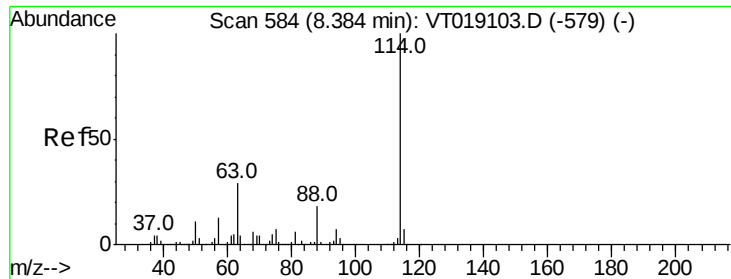
67 52.0 0.0 108.0



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: VT019107.D

Acq: 28 Nov 2018 15:46

Instrument :

MSVOA_T

ClientSampleId :

VT1128WBS01

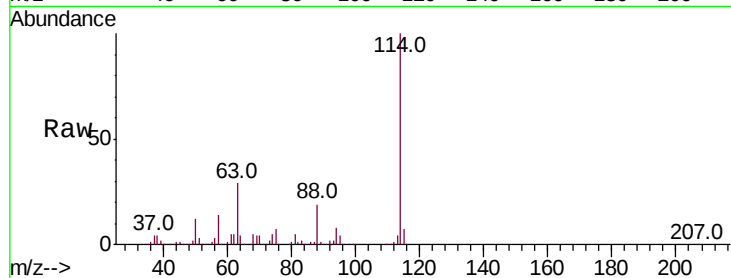
Tot Ion:114 Resp: 746133

Ion Ratio Lower Upper

114 100

63 29.1 0.0 57.4

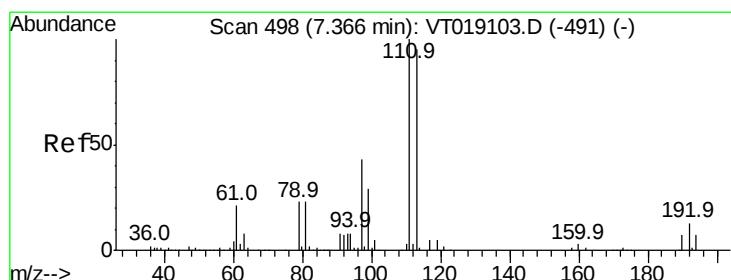
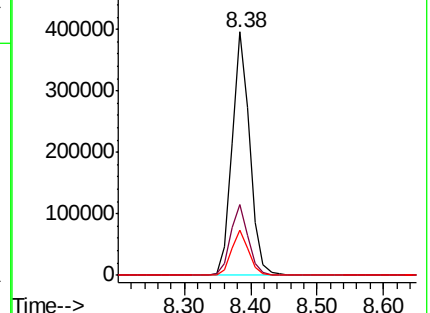
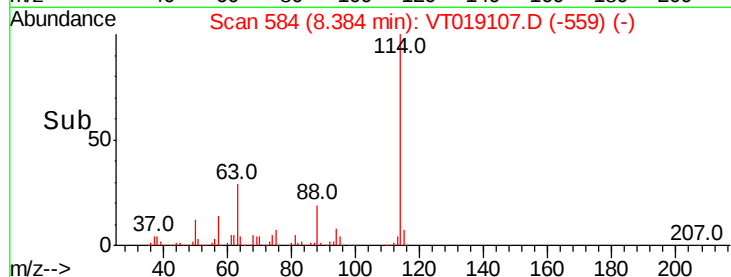
88 18.7 0.0 37.0



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: 55.406 ug/l

RT: 7.35 min Scan# 497

Delta R.T. -0.01 min

Lab File: VT019107.D

Acq: 28 Nov 2018 15:46

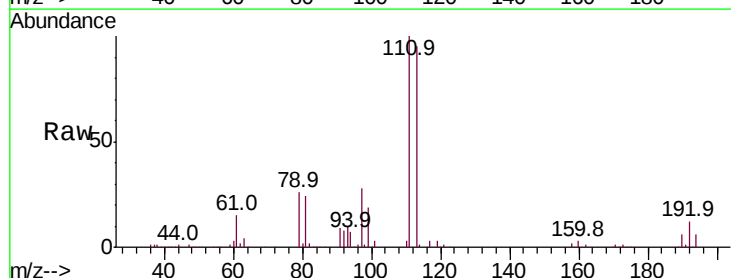
Tgt Ion:113 Resp: 266095

Ion Ratio Lower Upper

113 100

111 105.4 83.9 125.9

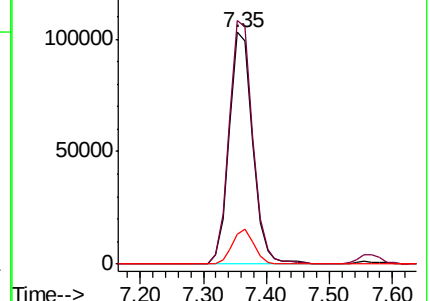
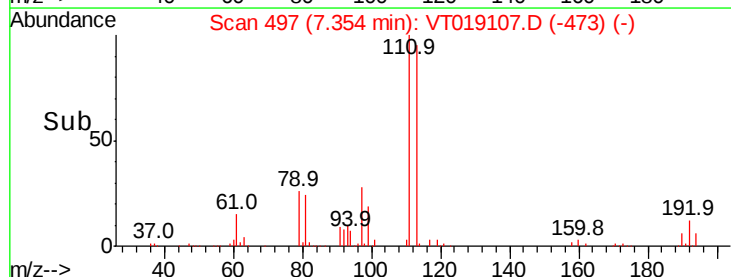
192 13.8 11.5 17.3

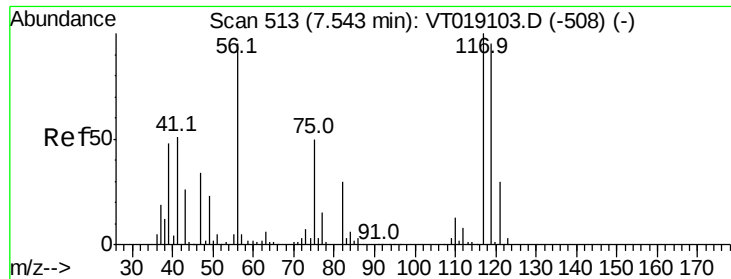


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

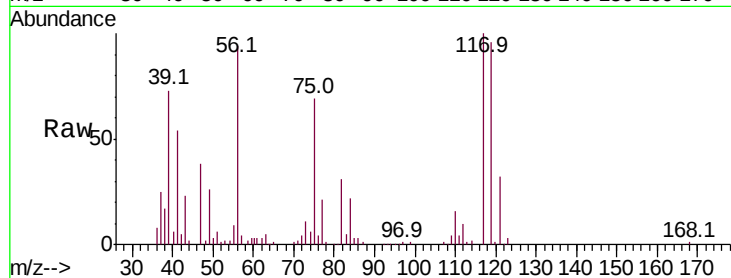




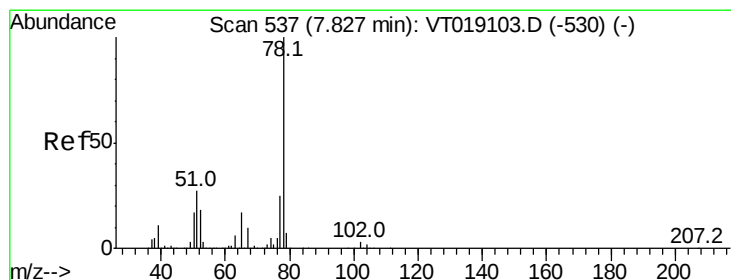
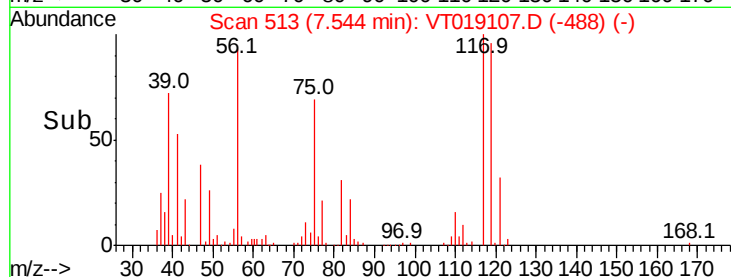
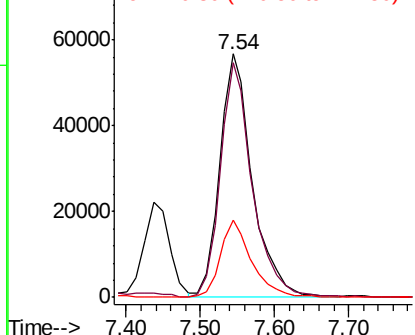
#9
Carbon Tetrachloride
Concen: 21.596 ug/l
RT: 7.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VT019107.D
Acq: 28 Nov 2018 15:46

Instrument :
MSVOA_T
ClientSampleId :
VT1128WBS01

Tot Ion:117 Resp: 172768
Ion Ratio Lower Upper
117 100
119 96.6 75.0 112.6
121 31.6 23.5 35.3

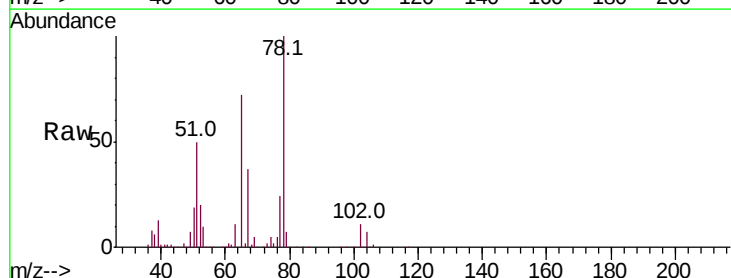


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

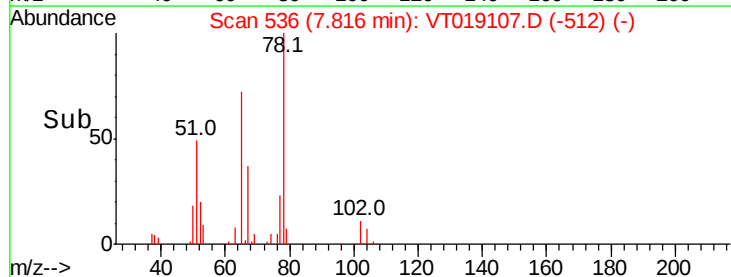
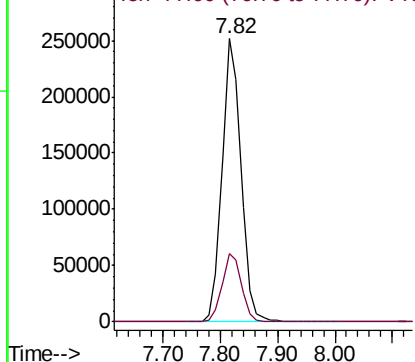


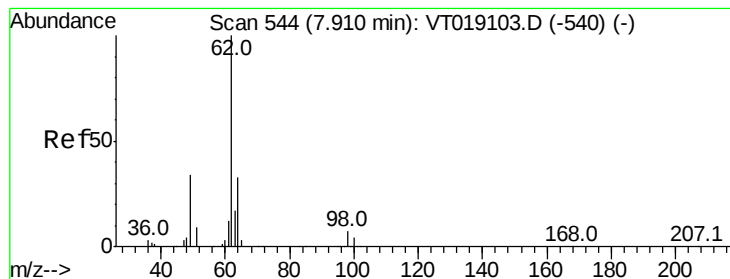
#10
Benzene
Concen: 22.196 ug/l
RT: 7.82 min Scan# 536
Delta R.T. -0.01 min
Lab File: VT019107.D
Acq: 28 Nov 2018 15:46

Tgt Ion: 78 Resp: 577774
Ion Ratio Lower Upper
78 100
77 24.1 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: 22.791 ug/l

RT: 7.91 min Scan# 544

Delta R.T. 0.00 min

Lab File: VT019107.D

Acq: 28 Nov 2018 15:46

Instrument :

MSVOA_T

ClientSampleId :

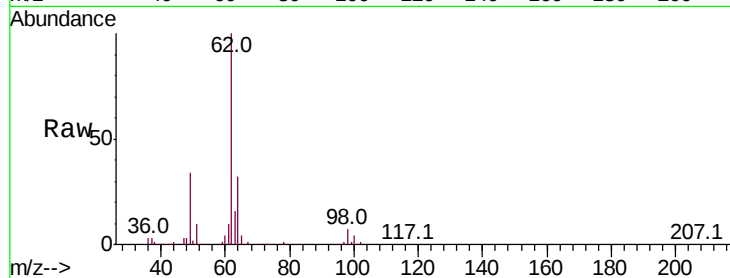
VT1128WBS01

Tot Ion: 62 Resp: 216644

Ion Ratio Lower Upper

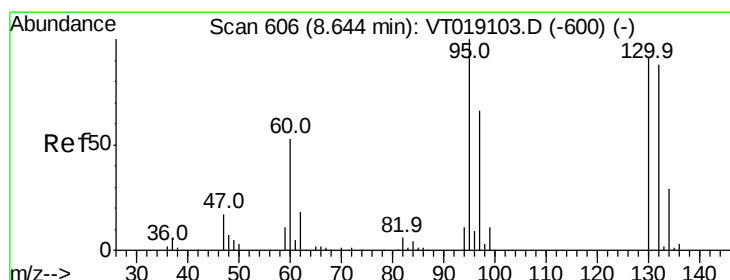
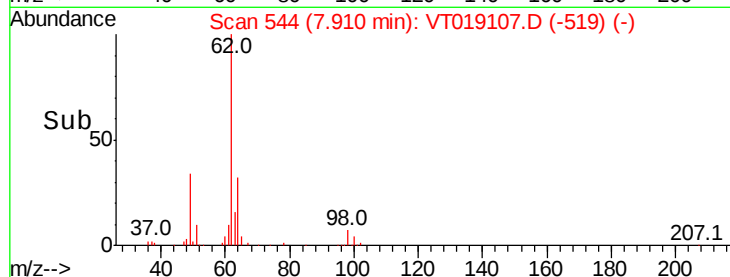
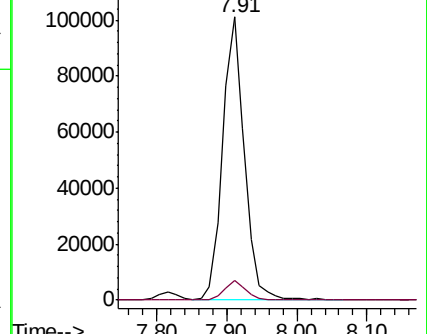
62 100

98 6.9 0.0 14.6



Abundance Ion 61.90 (61.60 to 62.60): VT0

Ion 97.90 (97.60 to 98.60): VT0



#12

Trichloroethene

Concen: 20.451 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.01 min

Lab File: VT019107.D

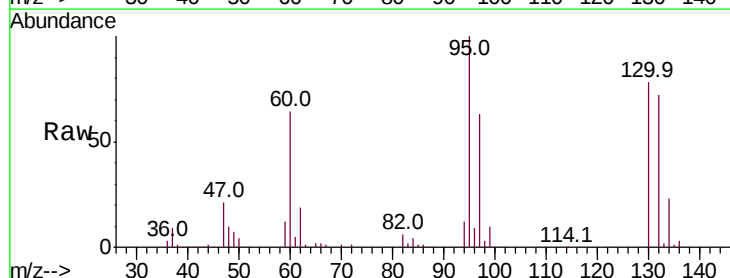
Acq: 28 Nov 2018 15:46

Tgt Ion:130 Resp: 104183

Ion Ratio Lower Upper

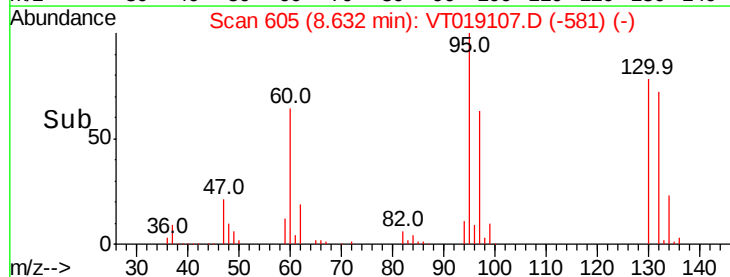
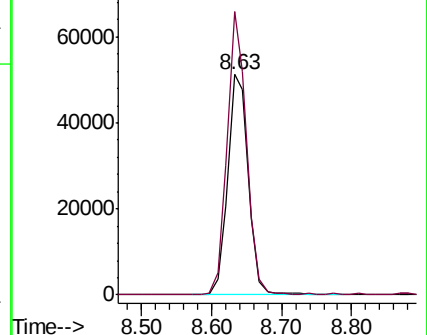
130 100

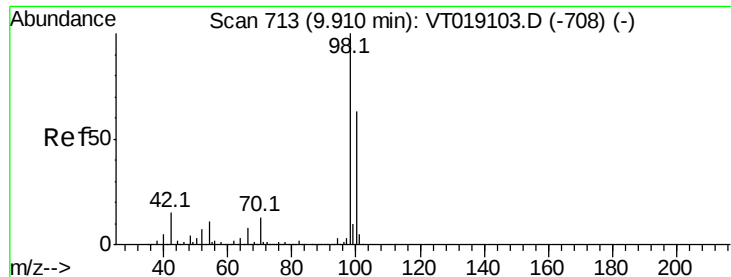
95 128.5 0.0 218.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VT0

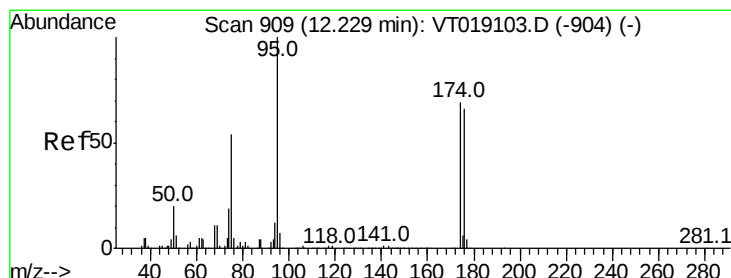
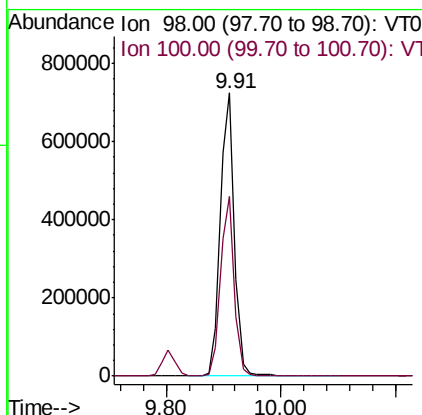
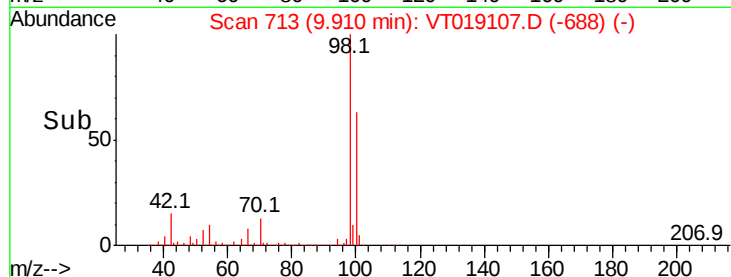
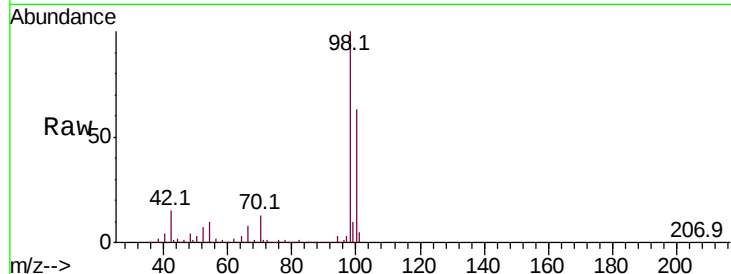




#13
Toluene-d8
Concen: 58.537 ug/l
RT: 9.91 min Scan# 713
Delta R.T. 0.00 min
Lab File: VT019107.D
Acq: 28 Nov 2018 15:46

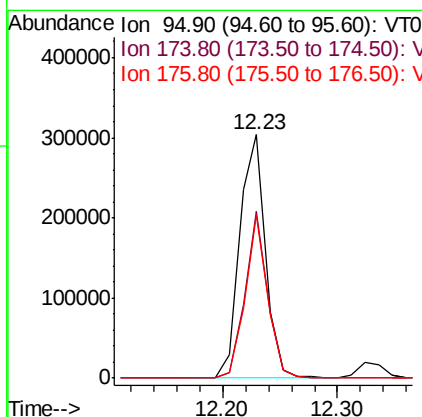
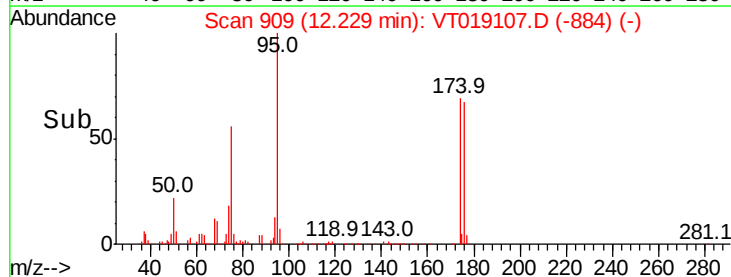
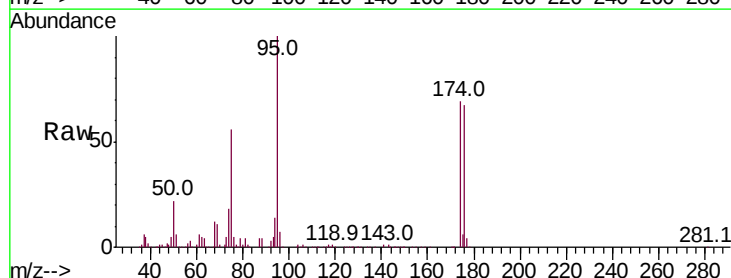
Instrument :
MSVOA_T
ClientSampleId :
VT1128WBS01

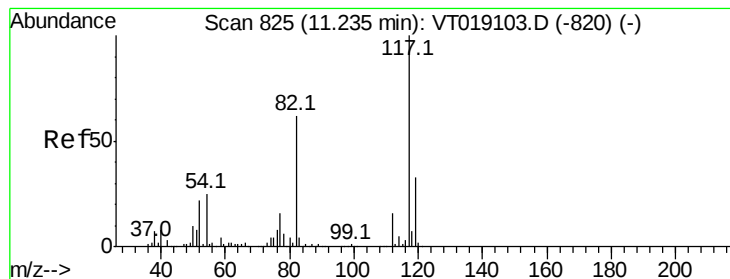
Tot Ion: 98 Resp: 1231014
Ion Ratio Lower Upper
98 100
100 61.9 50.2 75.2



#14
4-Bromofluorobenzene
Concen: 59.858 ug/l
RT: 12.23 min Scan# 909
Delta R.T. 0.00 min
Lab File: VT019107.D
Acq: 28 Nov 2018 15:46

Tgt Ion: 95 Resp: 473319
Ion Ratio Lower Upper
95 100
174 60.3 0.0 123.2
176 58.4 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: VT019107.D

Acq: 28 Nov 2018 15:46

Instrument :

MSVOA_T

ClientSampleId :

VT1128WBS01

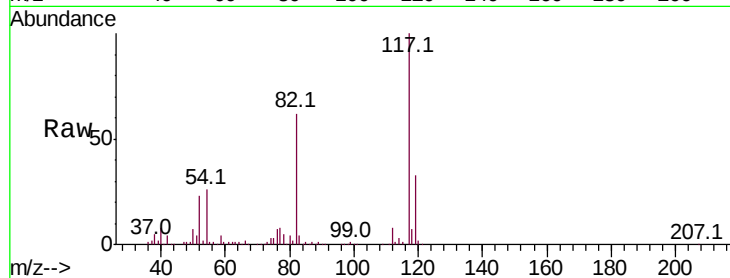
Tot Ion:117 Resp: 743937

Ion Ratio Lower Upper

117 100

82 61.9 49.7 74.5

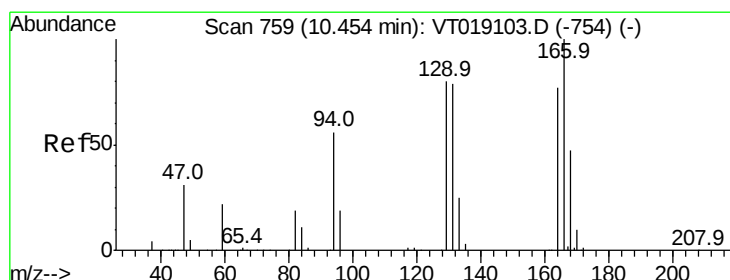
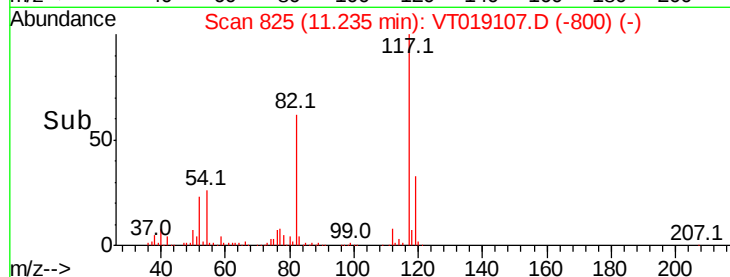
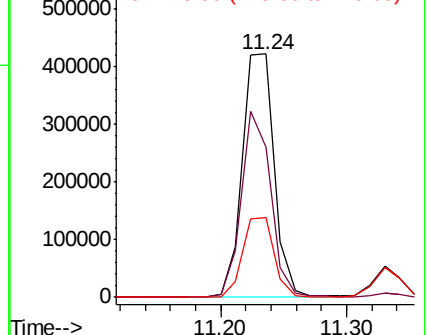
119 32.9 26.3 39.5



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: 20.534 ug/l

RT: 10.45 min Scan# 759

Delta R.T. 0.00 min

Lab File: VT019107.D

Acq: 28 Nov 2018 15:46

Tgt Ion:164 Resp: 85112

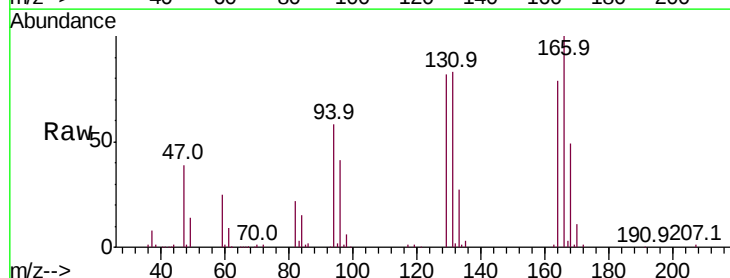
Ion Ratio Lower Upper

164 100

166 126.6 103.6 155.4

129 104.1 82.9 124.3

131 104.7 81.7 122.5

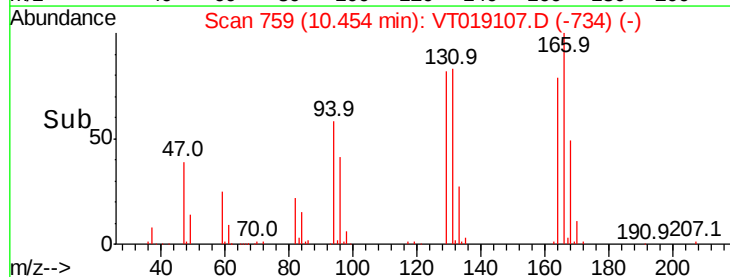
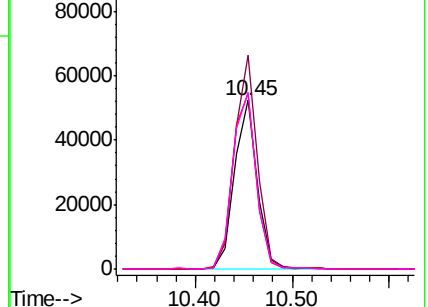


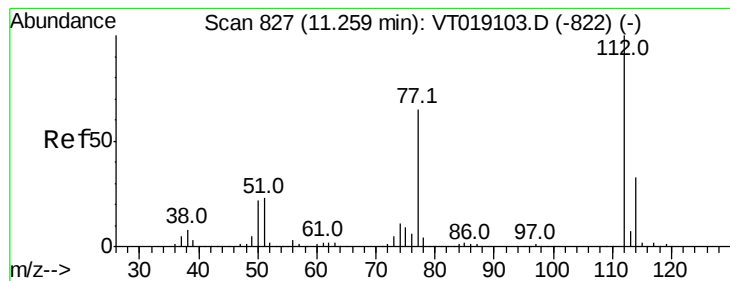
Abundance Ion 163.80 (163.50 to 164.50): V

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: 20.881 ug/l

RT: 11.26 min Scan# 827

Delta R.T. 0.00 min

Lab File: VT019107.D

Acq: 28 Nov 2018 15:46

Instrument :

MSVOA_T

ClientSampleId :

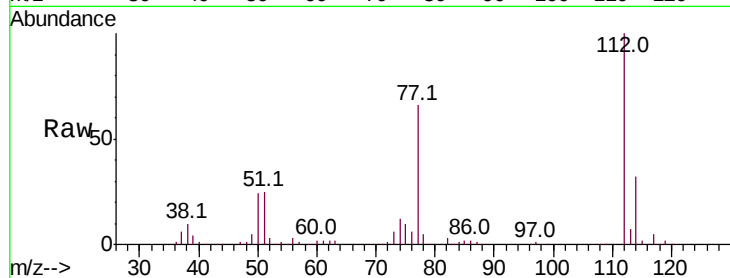
VT1128WBS01

Tot Ion:112 Resp: 352340

Ion Ratio Lower Upper

112 100

114 32.5 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.26

250000

200000

150000

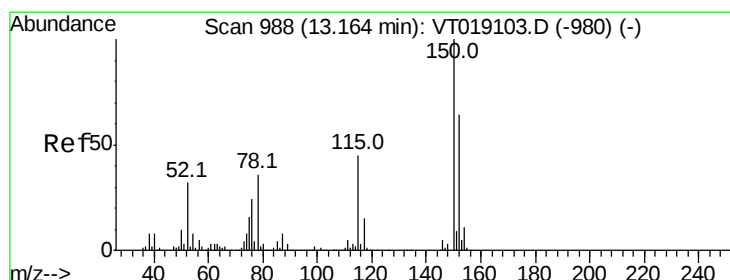
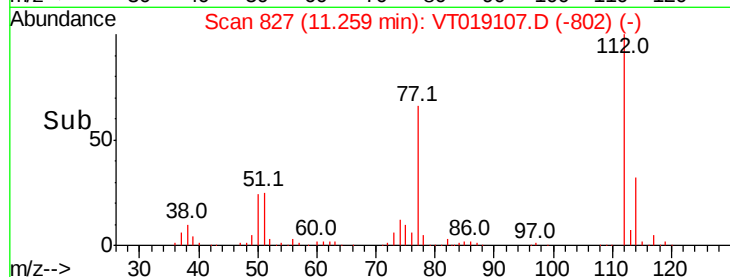
100000

50000

0

Time-->

11.20 11.30 11.40



#18

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.16 min Scan# 988

Delta R.T. 0.00 min

Lab File: VT019107.D

Acq: 28 Nov 2018 15:46

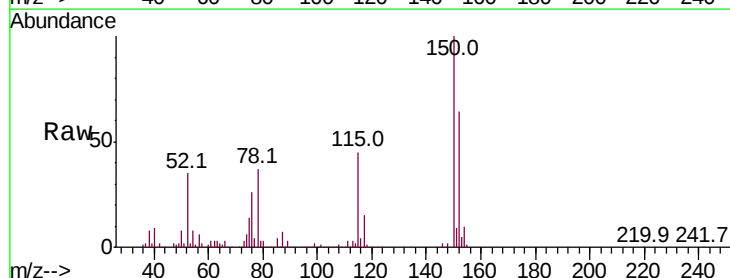
Tgt Ion:152 Resp: 380670

Ion Ratio Lower Upper

152 100

115 67.3 33.0 99.0

150 164.4 0.0 343.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

500000

400000

300000

200000

100000

0

Time-->

13.10 13.15 13.20 13.25

