

Data Path : Z:\VOASRV\HPCHEM1\MSVOA T\DATA\VT112818\
 Data File : VT019102.D
 Acq On : 28 Nov 2018 11:20
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA T/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 29 06:16:11 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	478157	50.00	ug/l	0.00
7) 1,4-Difluorobenzene	8.38	114	920875	50.00	ug/l	0.00
15) Chlorobenzene-d5	11.24	117	906674	50.00	ug/l	0.00
18) 1,4-Dichlorobenzene-d4	13.16	152	466177	50.00	ug/l	0.00

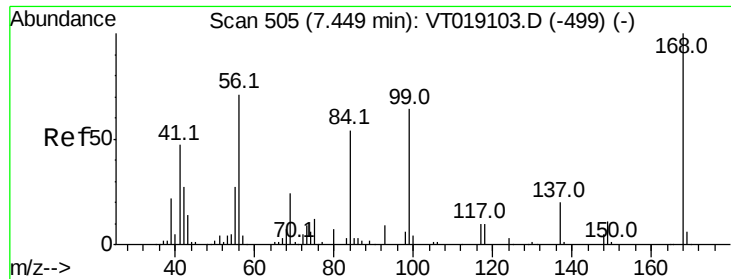
System Monitoring Compounds

6) 1,2-Dichloroethane-d4	7.82	65	186451	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	
8) Dibromofluoromethane	7.37	113	114894	19.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.76%	
13) Toluene-d8	9.91	98	496801	19.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.28%	
14) 4-Bromofluorobenzene	12.23	95	188309	19.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.60%	

Target Compounds

					Qvalue
2) Vinyl Chloride	2.11	62	303962	20.851	ug/l 99
3) 1,1-Dichloroethene	3.56	96	196309	19.574	ug/l 99
4) 2-Butanone	6.57	43	493012	109.820	ug/l 97
5) Chloroform	7.13	83	265101	20.188	ug/l 98
9) Carbon Tetrachloride	7.54	117	193722	19.620	ug/l 96
10) Benzene	7.83	78	636274	19.805	ug/l 99
11) 1,2-Dichloroethane	7.91	62	234747	20.009	ug/l 100
12) Trichloroethene	8.64	130	120644	19.189	ug/l 95
16) Tetrachloroethene	10.45	164	98537	19.506	ug/l 99
17) Chlorobenzene	11.26	112	398708	19.388	ug/l 99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 505

Delta R.T. 0.00 min

Lab File: VT019102.D

Acq: 28 Nov 2018 11:20

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ClientSampleId :

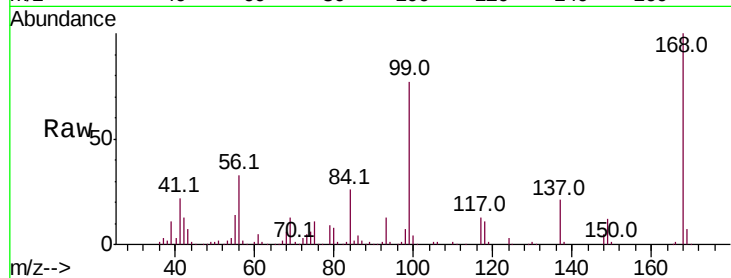
VSTDIC020

Tot Ion:168 Resp: 478157

Ion Ratio Lower Upper

168 100

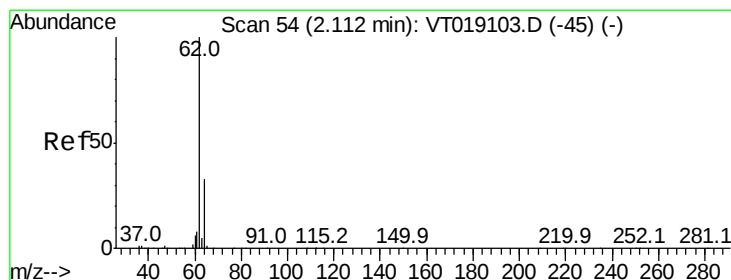
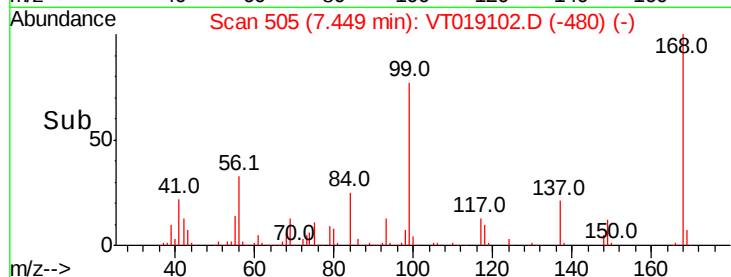
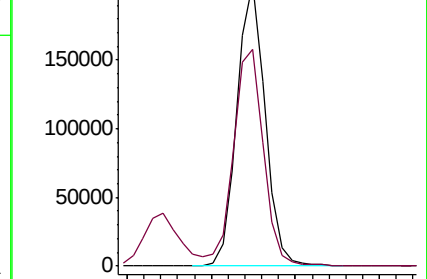
99 76.3 59.5 89.3



Abundance Ion 167.90 (167.60 to 168.60): VT0

Ion 98.90 (98.60 to 99.60): VT0

7.45



#2

Vinyl Chloride

Concen: 20.851 ug/l

RT: 2.11 min Scan# 54

Delta R.T. 0.00 min

Lab File: VT019102.D

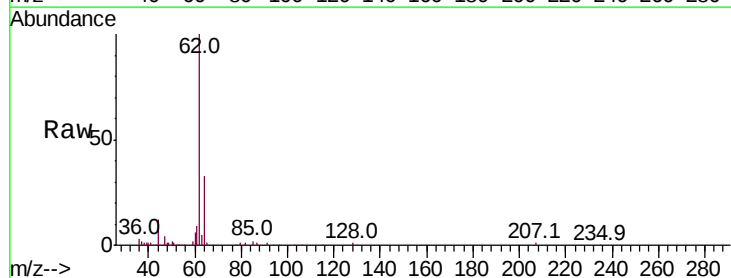
Acq: 28 Nov 2018 11:20

Tgt Ion: 62 Resp: 303962

Ion Ratio Lower Upper

62 100

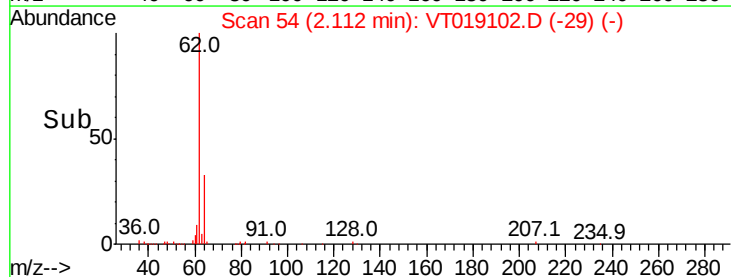
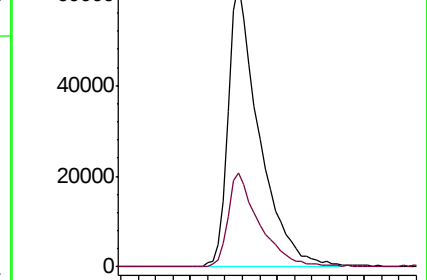
64 33.1 26.1 39.1

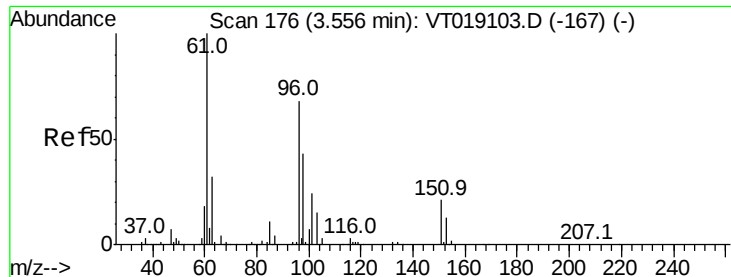


Abundance Ion 61.90 (61.60 to 62.60): VT0

Ion 63.90 (63.60 to 64.60): VT0

2.11





#3

1,1-Dichloroethene

Concen: 19.574 ug/l

RT: 3.56 min Scan# 176

Delta R.T. 0.00 min

Lab File: VT019102.D

Acq: 28 Nov 2018 11:20

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

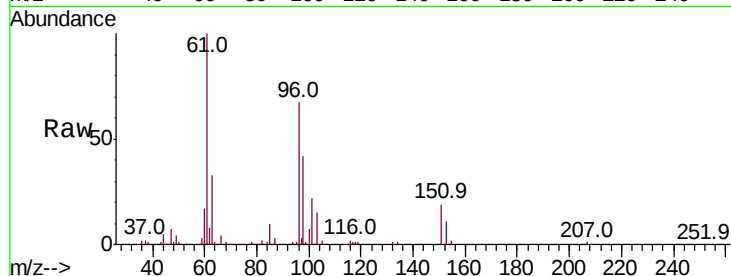
Tot Ion: 96 Resp: 196309

Ion Ratio Lower Upper

96 100

61 149.7 117.8 176.8

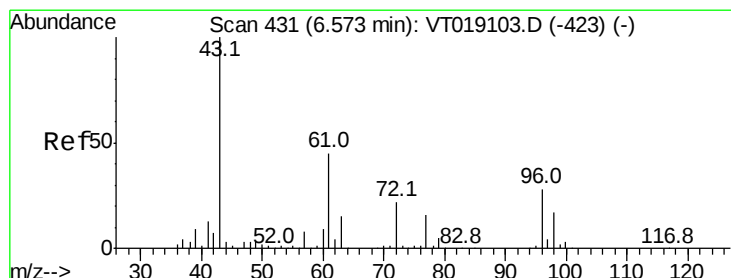
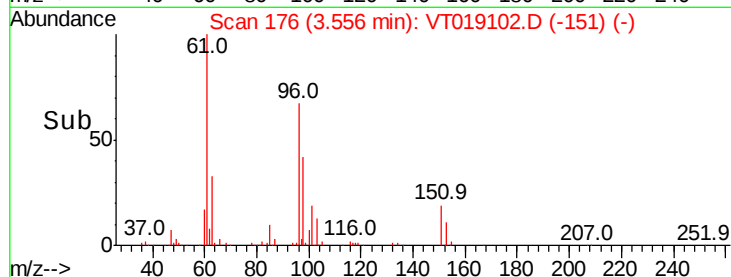
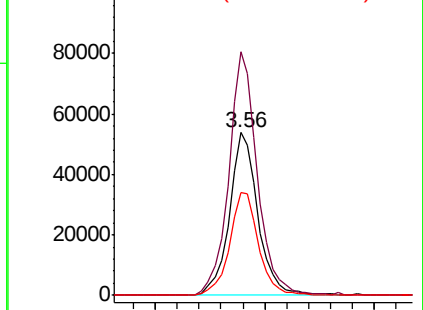
98 63.5 51.0 76.6



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: 109.820 ug/l

RT: 6.57 min Scan# 431

Delta R.T. 0.00 min

Lab File: VT019102.D

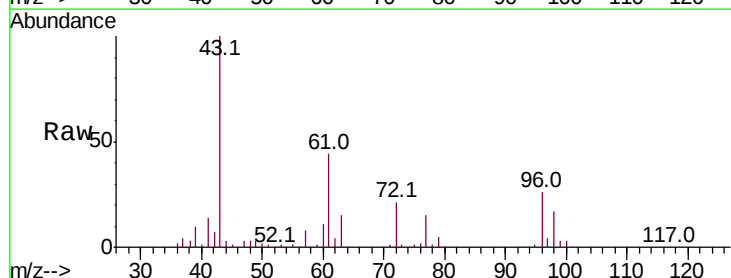
Acq: 28 Nov 2018 11:20

Tgt Ion: 43 Resp: 493012

Ion Ratio Lower Upper

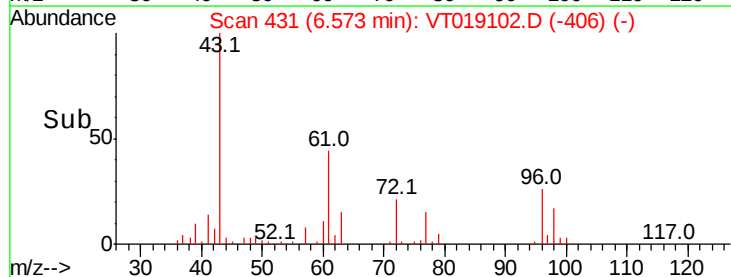
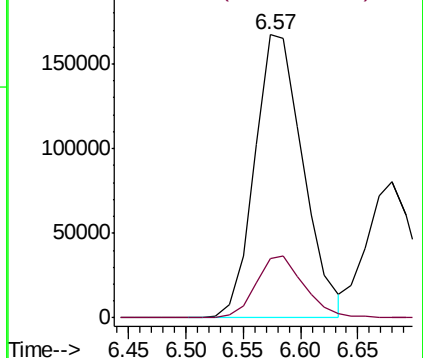
43 100

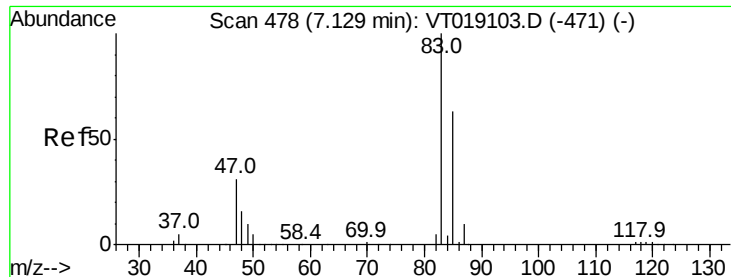
72 21.0 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VT0

Ion 72.00 (71.70 to 72.70): VT0





#5

Chloroform

Concen: 20.188 ug/l

RT: 7.13 min Scan# 478

Delta R.T. 0.00 min

Lab File: VT019102.D

Acq: 28 Nov 2018 11:20

Instrument :

MSVOA_T

ClientSampleId :

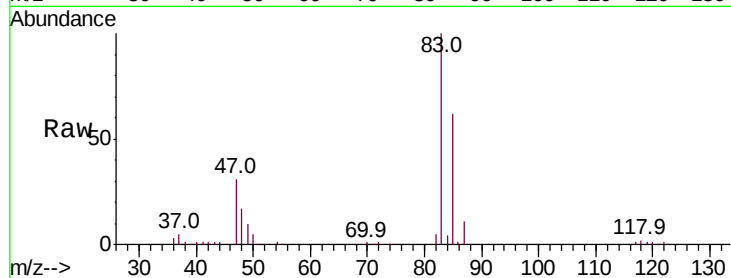
VSTDIC020

Tot Ion: 83 Resp: 265101

Ion Ratio Lower Upper

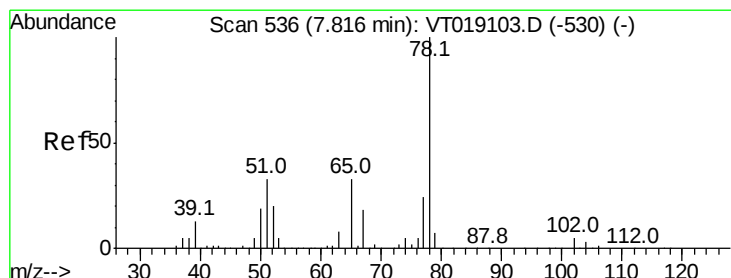
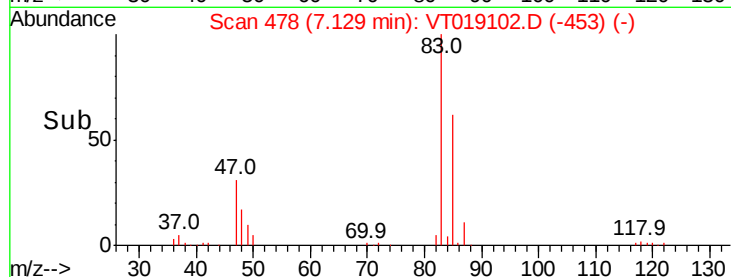
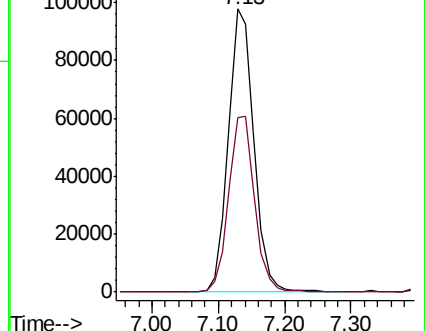
83 100

85 61.6 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: 19.849 ug/l

RT: 7.82 min Scan# 536

Delta R.T. 0.00 min

Lab File: VT019102.D

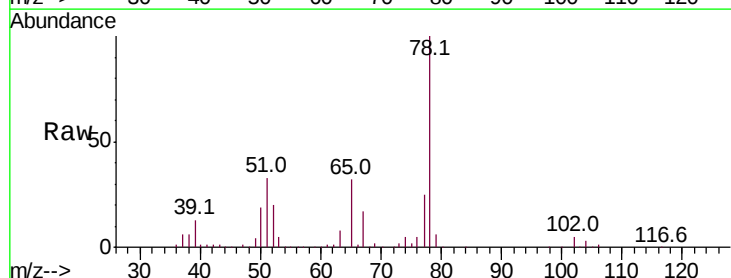
Acq: 28 Nov 2018 11:20

Tgt Ion: 65 Resp: 186451

Ion Ratio Lower Upper

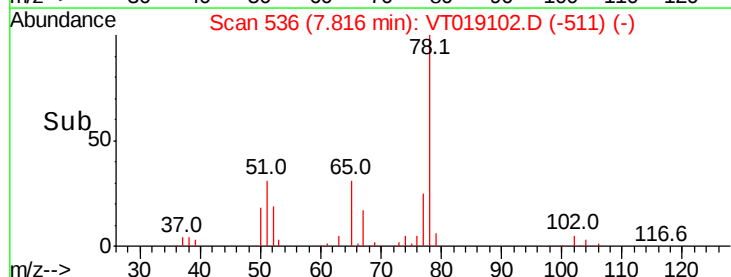
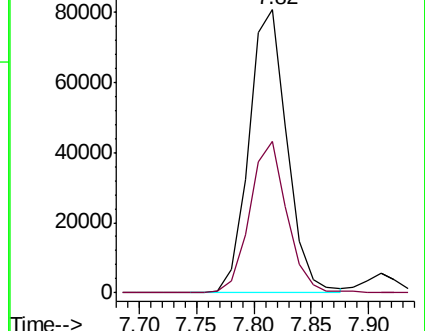
65 100

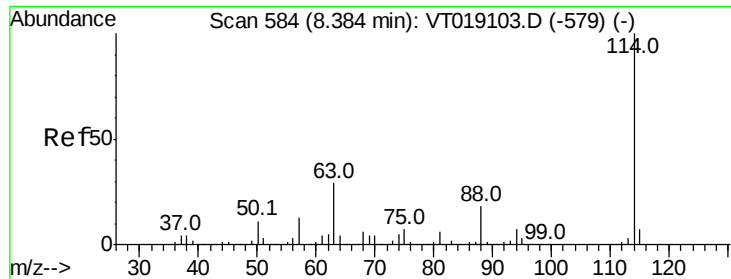
67 52.3 0.0 108.0



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: VT019102.D

Acq: 28 Nov 2018 11:20

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

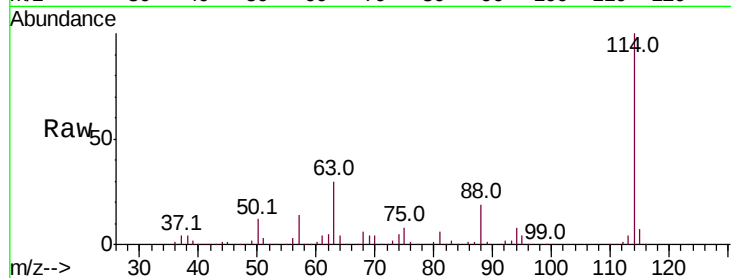
Tot Ion:114 Resp: 920875

Ion Ratio Lower Upper

114 100

63 29.9 0.0 57.4

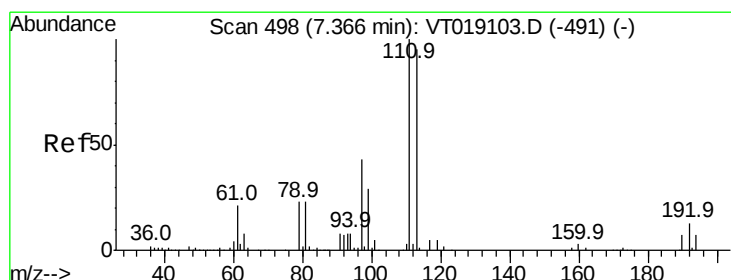
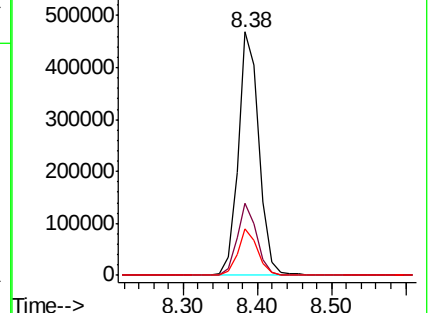
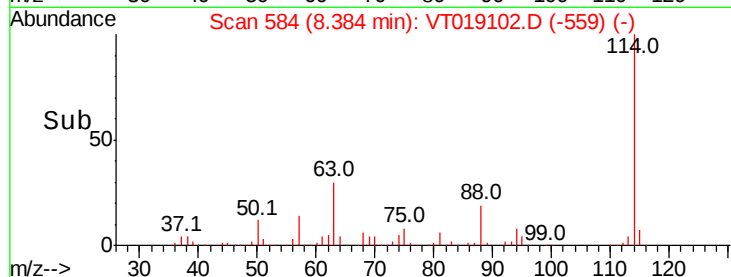
88 19.4 0.0 37.0



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: 19.383 ug/l

RT: 7.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VT019102.D

Acq: 28 Nov 2018 11:20

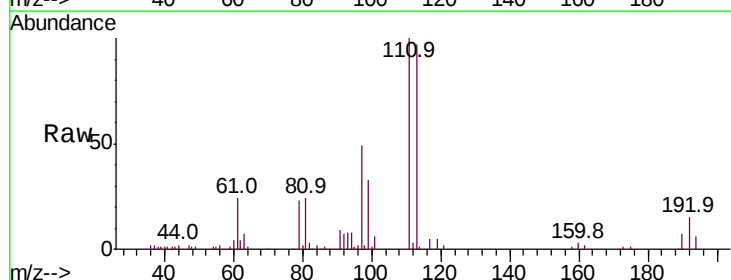
Tgt Ion:113 Resp: 114894

Ion Ratio Lower Upper

113 100

111 104.1 83.9 125.9

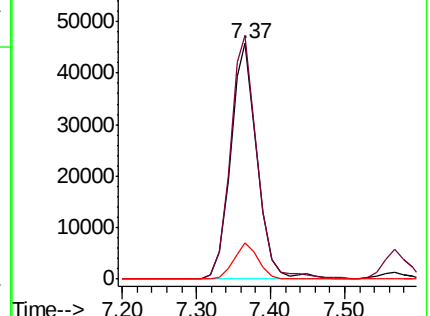
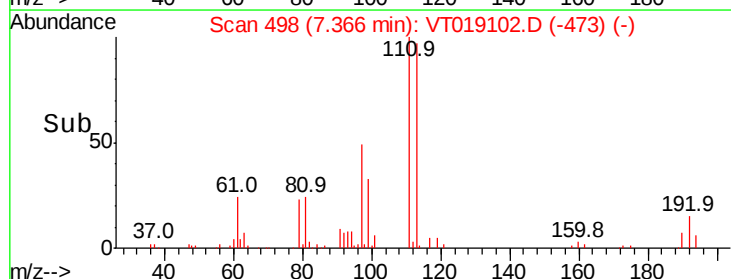
192 14.1 11.5 17.3

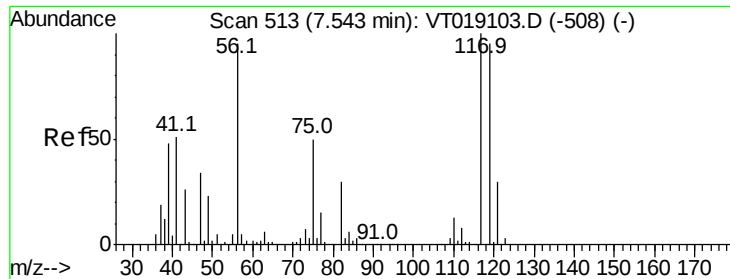


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#9

Carbon Tetrachloride

Concen: 19.620 ug/l

RT: 7.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VT019102.D

Acq: 28 Nov 2018 11:20

Instrument :

MSVOA_T

ClientSampleId :

VSTDIC020

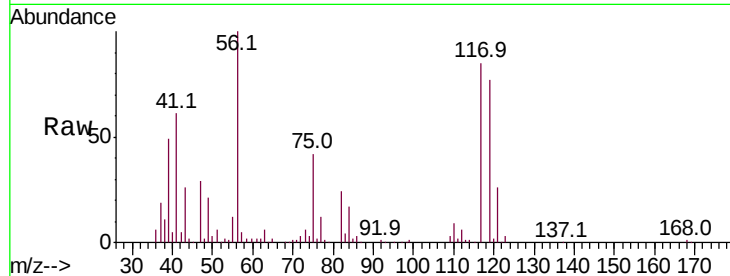
Tot Ion:117 Resp: 193722

Ion Ratio Lower Upper

117 100

119 89.5 75.0 112.6

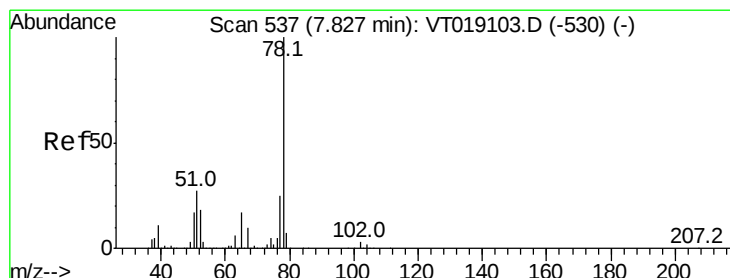
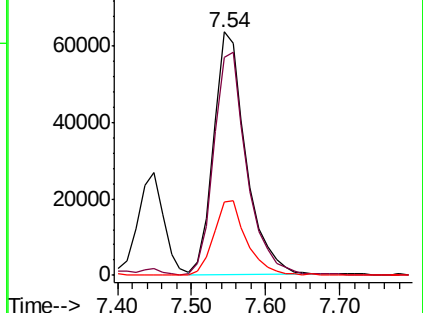
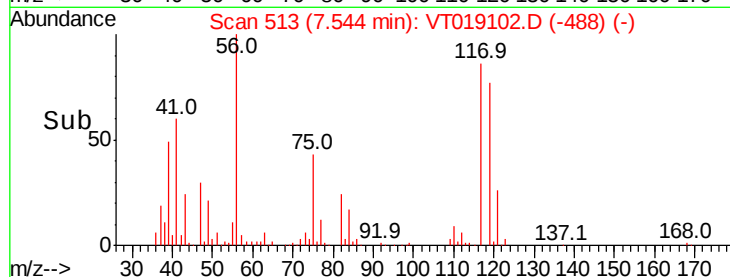
121 30.5 23.5 35.3



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: 19.805 ug/l

RT: 7.83 min Scan# 537

Delta R.T. 0.00 min

Lab File: VT019102.D

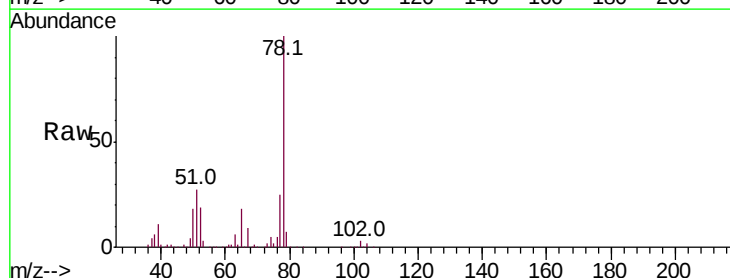
Acq: 28 Nov 2018 11:20

Tgt Ion: 78 Resp: 636274

Ion Ratio Lower Upper

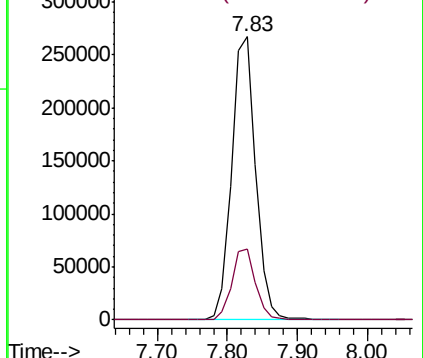
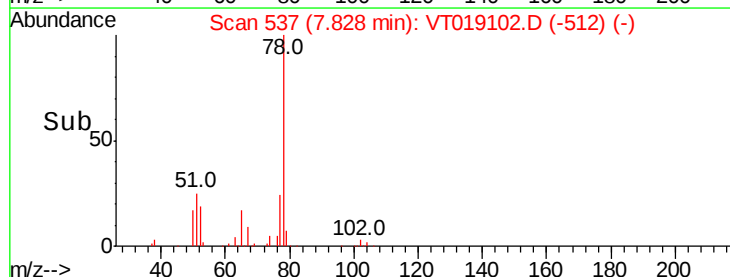
78 100

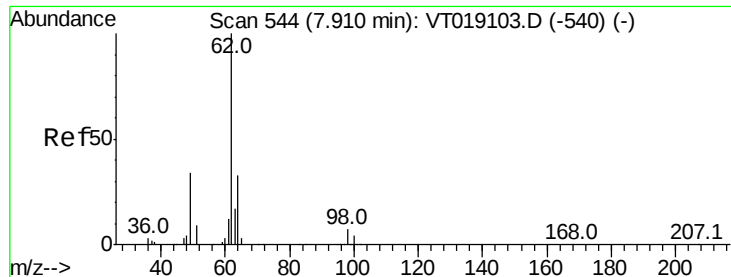
77 25.2 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VT0

Ion 77.00 (76.70 to 77.70): VT0





#11

1,2-Dichloroethane

Concen: 20.009 ug/l

RT: 7.91 min Scan# 544

Delta R.T. 0.00 min

Lab File: VT019102.D

Acq: 28 Nov 2018 11:20

Instrument :

MSVOA_T

ClientSampleId :

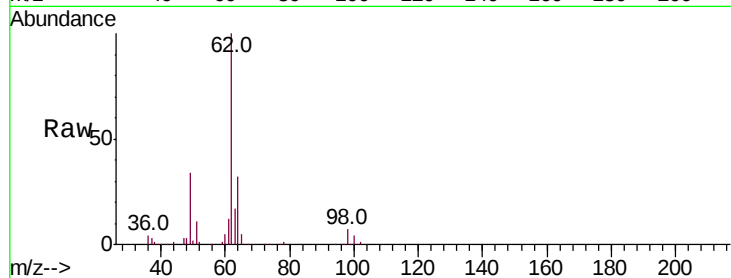
VSTDIC020

Tot Ion: 62 Resp: 234747

Ion Ratio Lower Upper

62 100

98 7.2 0.0 14.6



Abundance Ion 61.90 (61.60 to 62.60): VT019103.D (-540) (-)

Ion 97.90 (97.60 to 98.60): VT019103.D (-540) (-)

7.91

120000

100000

80000

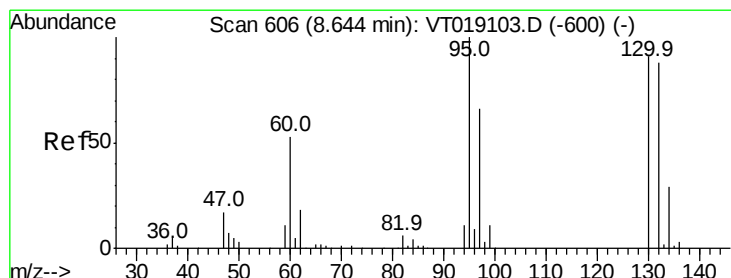
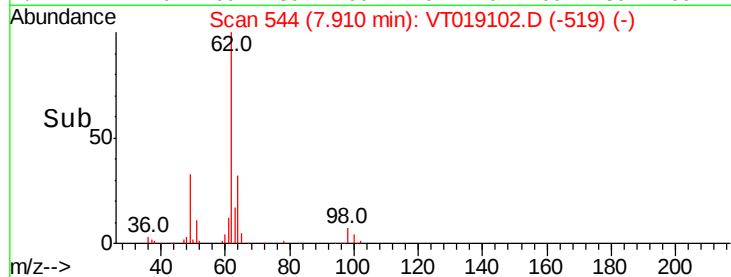
60000

40000

20000

0

Time-->



#12

Trichloroethene

Concen: 19.189 ug/l

RT: 8.64 min Scan# 606

Delta R.T. 0.00 min

Lab File: VT019102.D

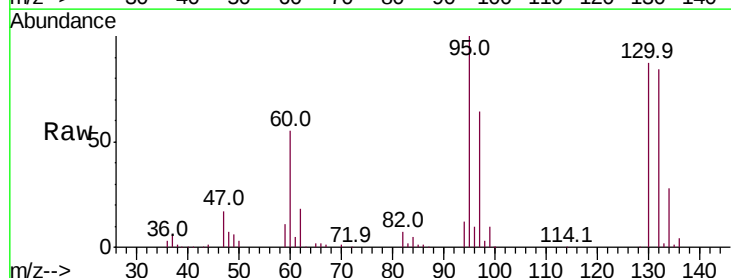
Acq: 28 Nov 2018 11:20

Tgt Ion:130 Resp: 120644

Ion Ratio Lower Upper

130 100

95 115.1 0.0 218.8



Abundance Ion 129.80 (129.50 to 130.50): VT019103.D (-600) (-)

Ion 94.90 (94.60 to 95.60): VT019103.D (-600) (-)

8.64

80000

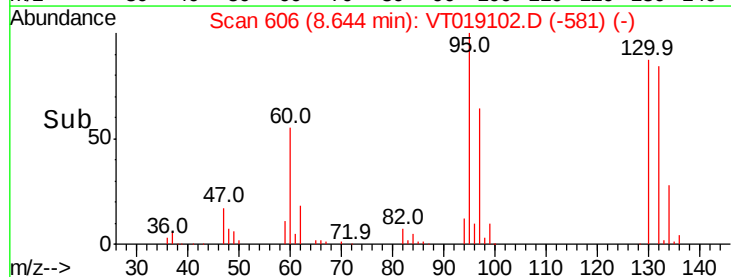
60000

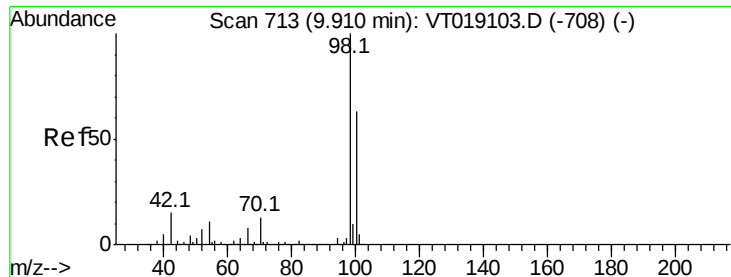
40000

20000

0

Time-->





#13

Toluene-d8

Concen: 19.141 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.00 min

Lab File: VT019102.D

Acq: 28 Nov 2018 11:20

Instrument :

MSVOA_T

ClientSampleId :

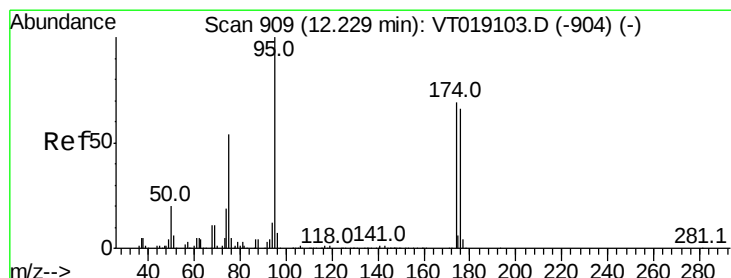
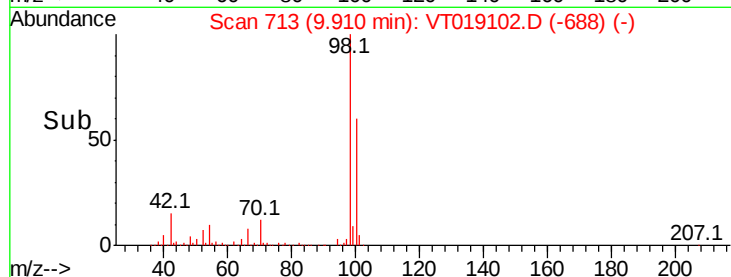
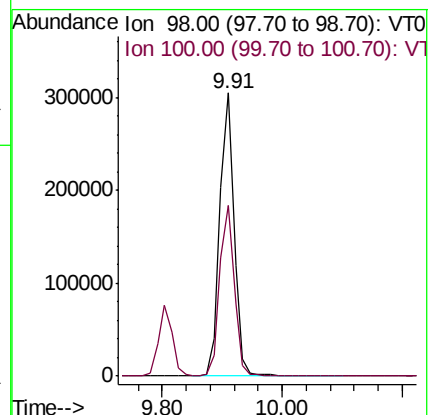
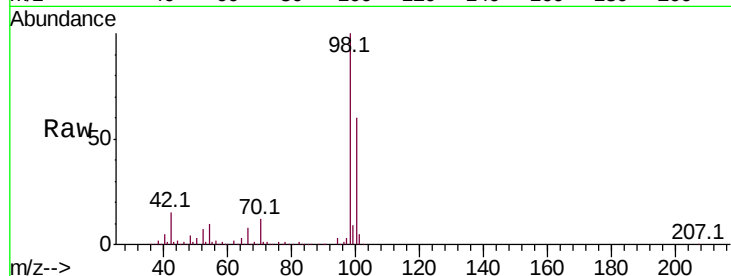
VSTDIC020

Tot Ion: 98 Resp: 496801

Ion Ratio Lower Upper

98 100

100 61.7 50.2 75.2



#14

4-Bromofluorobenzene

Concen: 19.295 ug/l

RT: 12.23 min Scan# 909

Delta R.T. 0.00 min

Lab File: VT019102.D

Acq: 28 Nov 2018 11:20

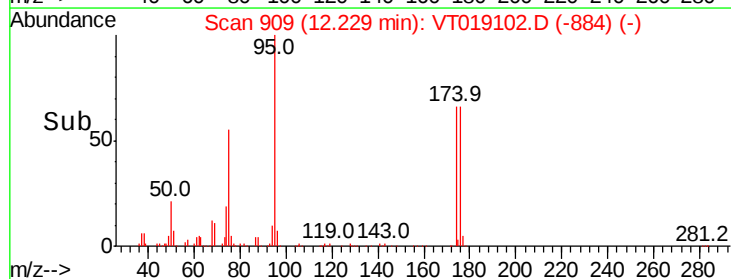
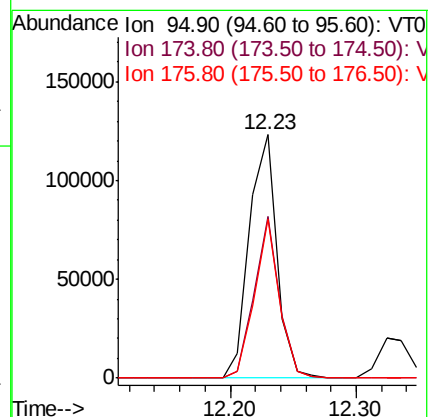
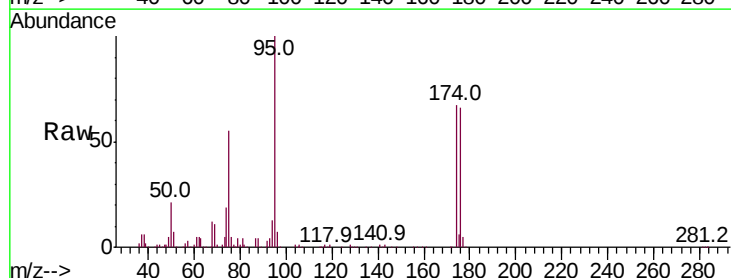
Tgt Ion: 95 Resp: 188309

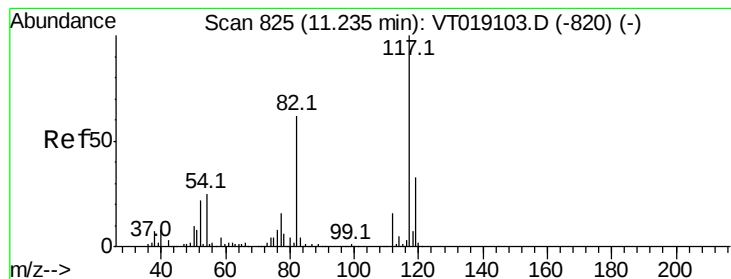
Ion Ratio Lower Upper

95 100

174 60.6 0.0 123.2

176 58.8 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: VT019102.D

Acq: 28 Nov 2018 11:20

Instrument :

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VSTDIC020

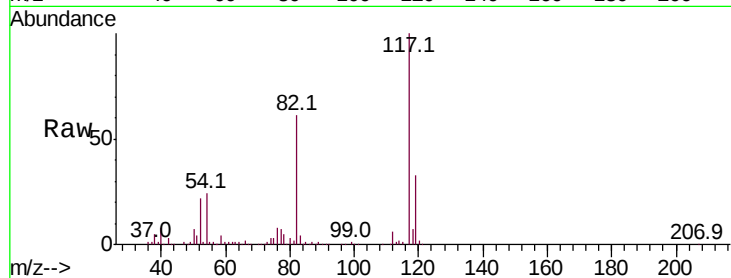
Tot Ion:117 Resp: 906674

Ion Ratio Lower Upper

117 100

82 60.8 49.7 74.5

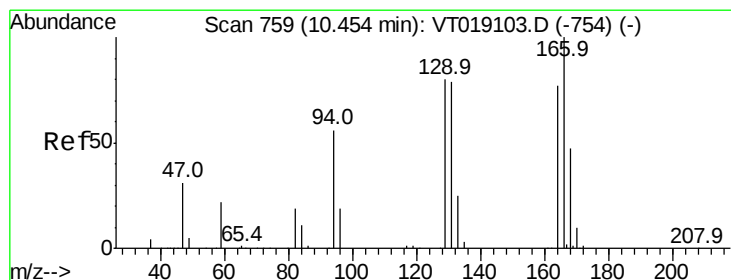
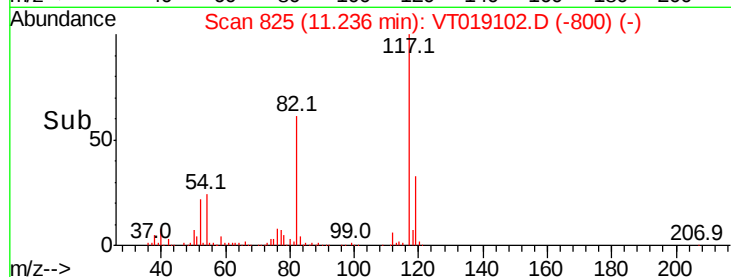
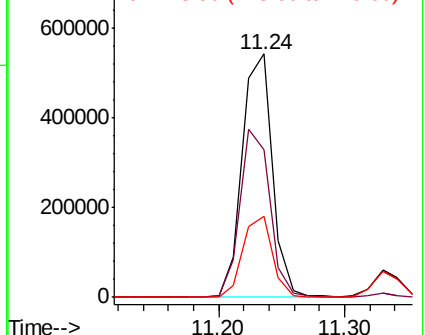
119 33.1 26.3 39.5



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: 19.506 ug/l

RT: 10.45 min Scan# 759

Delta R.T. 0.00 min

Lab File: VT019102.D

Acq: 28 Nov 2018 11:20

Tgt Ion:164 Resp: 98537

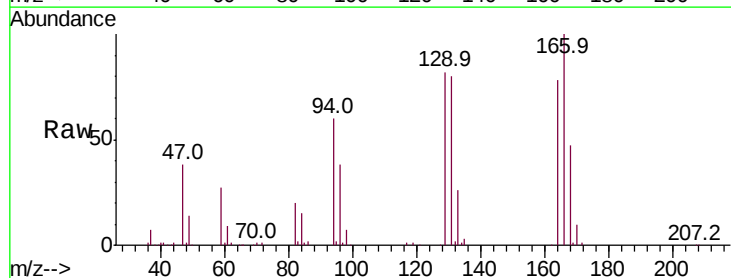
Ion Ratio Lower Upper

164 100

166 127.6 103.6 155.4

129 104.4 82.9 124.3

131 102.1 81.7 122.5

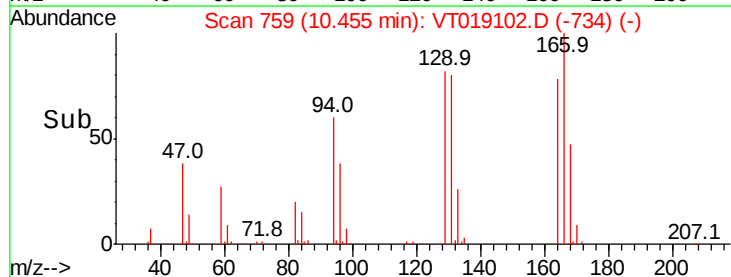
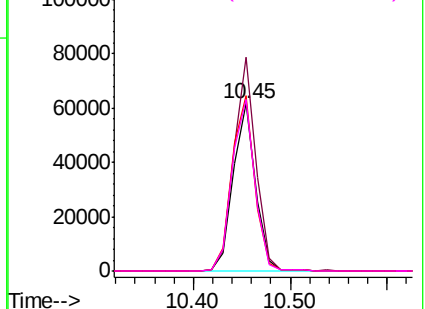


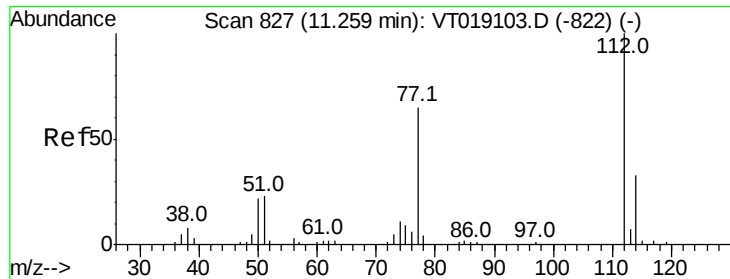
Abundance Ion 163.80 (163.50 to 164.50): V

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

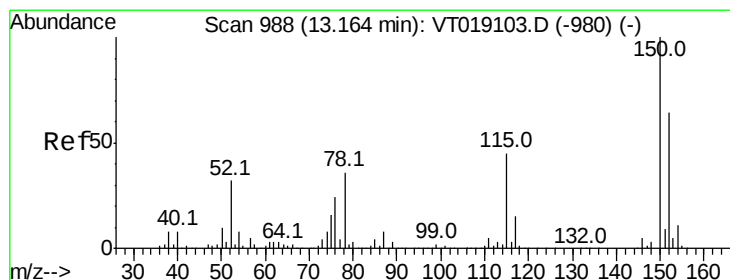
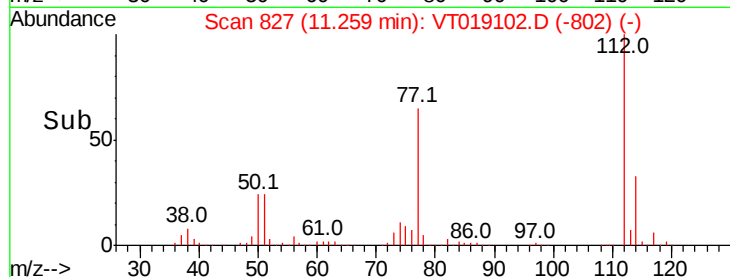
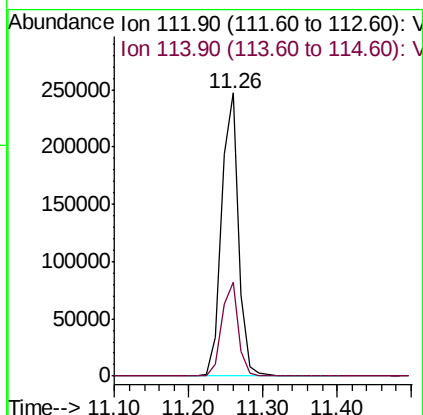
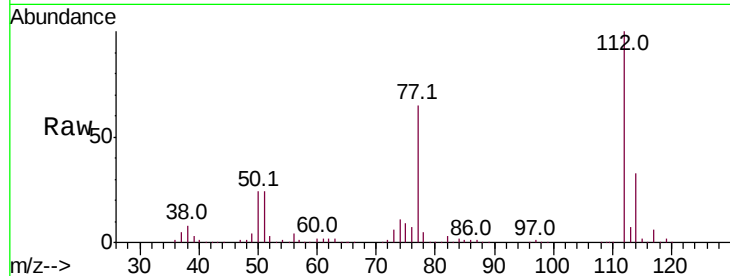




#17
Chlorobenzene
Concen: 19.388 ug/l
RT: 11.26 min Scan# 827
Delta R.T. 0.00 min
Lab File: VT019102.D
Acq: 28 Nov 2018 11:20

Instrument :
MSVOA_T
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 398708
Ion Ratio Lower Upper
112 100
114 33.2 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: VT019102.D
Acq: 28 Nov 2018 11:20

Tgt Ion:152 Resp: 466177
Ion Ratio Lower Upper
152 100
115 66.3 33.0 99.0
150 164.2 0.0 343.6

