

Data File : VT019112.D
Acq On : 28 Nov 2018 18:50
Operator : SY/MD
Sample : MDL4
Misc : 5.0mL/MSVOA_T/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_T
ClientSampleId :
MDL4

Quant Time: Nov 29 06:33:26 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	277548	50.00	ug/l	0.00
7) 1,4-Difluorobenzene	8.38	114	564782	50.00	ug/l	0.00
15) Chlorobenzene-d5	11.24	117	536362	50.00	ug/l	0.00
18) 1,4-Dichlorobenzene-d4	13.16	152	260908	50.00	ug/l	0.00

System Monitoring Compounds

6) 1,2-Dichloroethane-d4	7.82	65	337827	61.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.92%	
8) Dibromofluoromethane	7.37	113	192510	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.92%	
13) Toluene-d8	9.91	98	847113	53.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.44%	
14) 4-Bromofluorobenzene	12.23	95	313632	52.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.80%	

Target Compounds

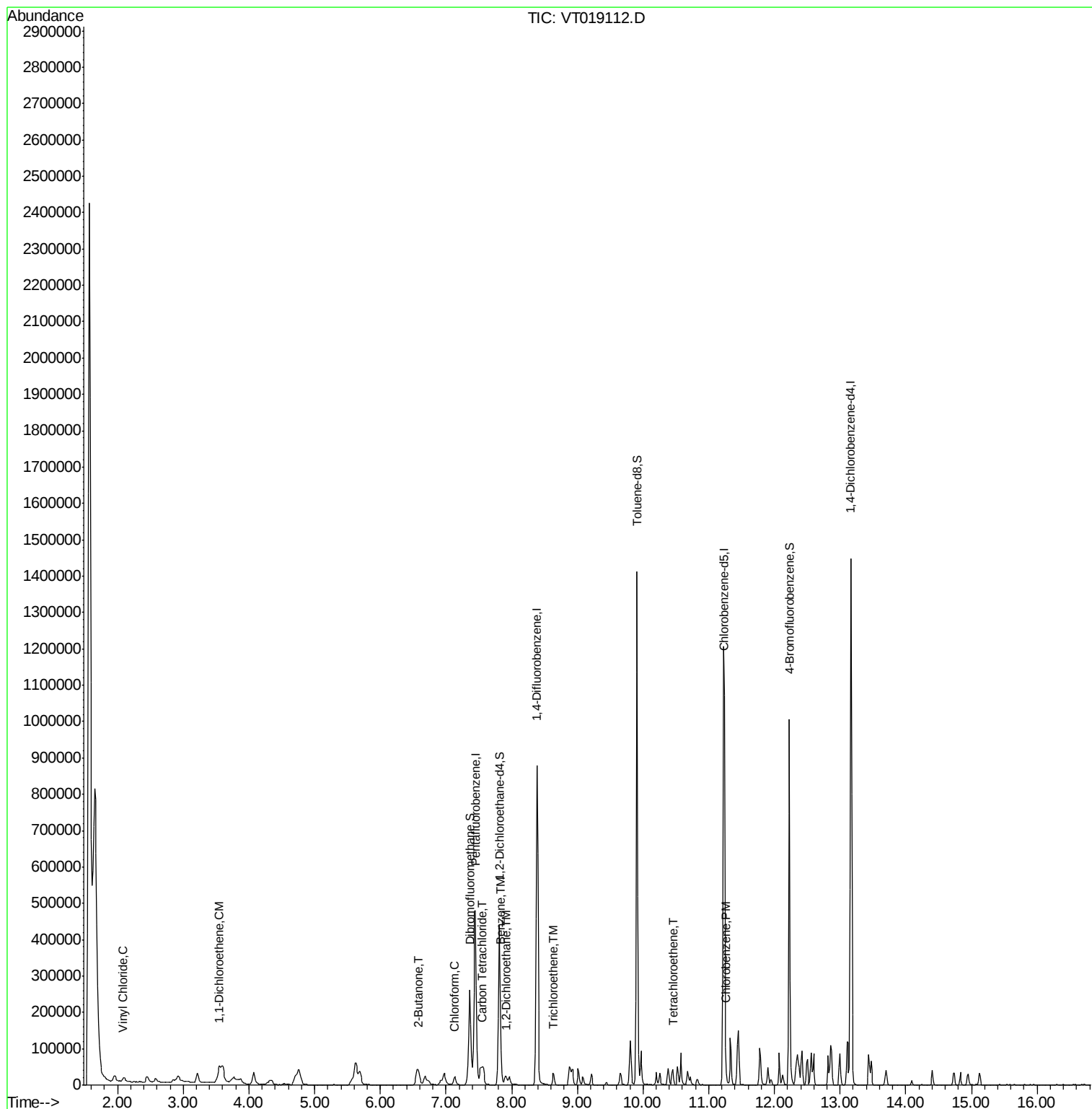
						Qvalue
2) Vinyl Chloride	2.09	62	23555	2.784	ug/l	90
3) 1,1-Dichloroethene	3.54	96	23955	4.115	ug/l #	80
4) 2-Butanone	6.59	43	36547	14.025	ug/l	91
5) Chloroform	7.13	83	23330	3.061	ug/l	95
9) Carbon Tetrachloride	7.54	117	15716	2.595	ug/l	98
10) Benzene	7.83	78	52235	2.651	ug/l	100
11) 1,2-Dichloroethane	7.91	62	21641	3.008	ug/l	90
12) Trichloroethene	8.63	130	9350	2.425	ug/l	85
16) Tetrachloroethene	10.45	164	7931	2.654	ug/l #	83
17) Chlorobenzene	11.26	112	29969	2.463	ug/l	98

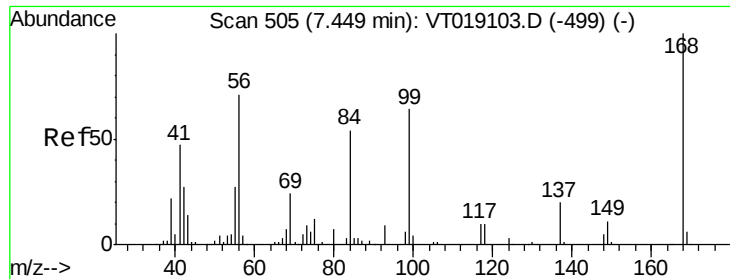
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 505

Delta R.T. 0.00 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

Instrument :

MSVOA_T

ClientSampled :

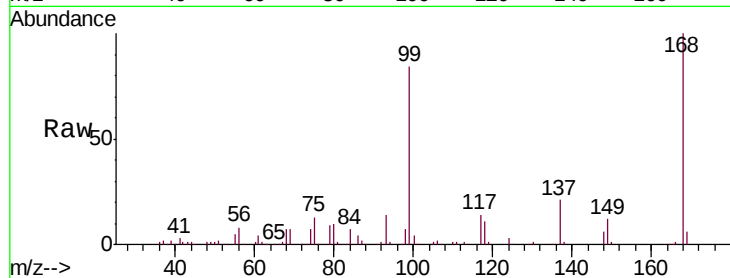
MDL4

Tgt Ion:168 Resp: 277548

Ion Ratio Lower Upper

168 100

99 83.5 59.5 89.3



Abundance Ion 167.90 (167.60 to 168.60): VT0

Ion 98.90 (98.60 to 99.60): VT0

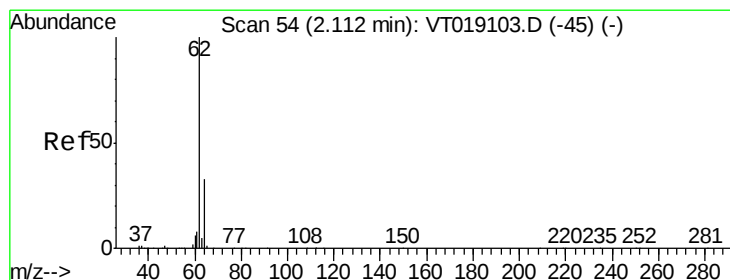
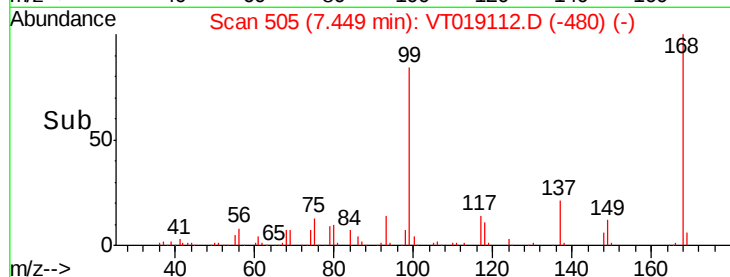
7.45

100000

50000

0

Time-->



#2

Vinyl Chloride

Concen: 2.784 ug/l

RT: 2.09 min Scan# 52

Delta R.T. -0.02 min

Lab File: VT019112.D

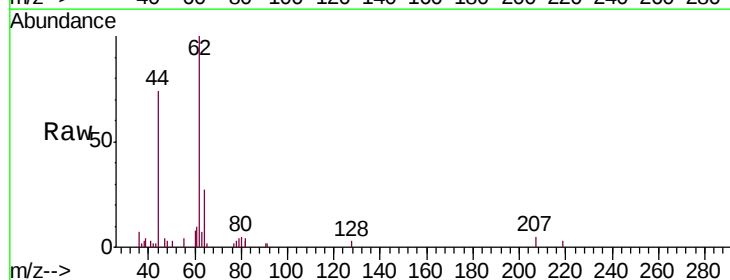
Acq: 28 Nov 2018 18:50

Tgt Ion: 62 Resp: 23555

Ion Ratio Lower Upper

62 100

64 27.1 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VT0

Ion 63.90 (63.60 to 64.60): VT0

2.09

8000

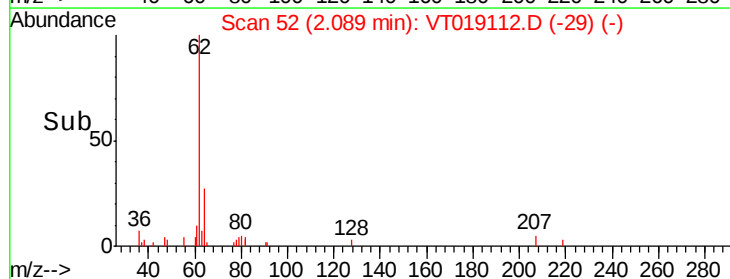
6000

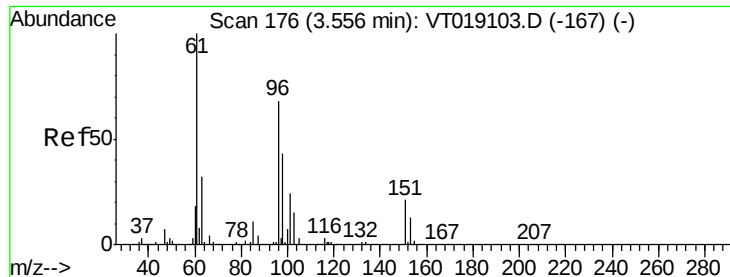
4000

2000

0

Time-->





#3

1,1-Dichloroethene

Concen: 4.115 ug/l

RT: 3.54 min Scan# 175

Delta R.T. -0.01 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

Instrument :

MSVOA_T

ClientSampled :

MDL4

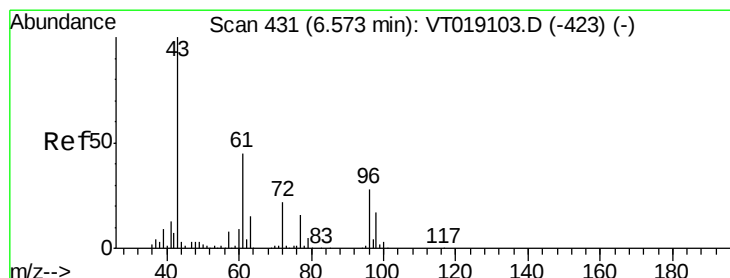
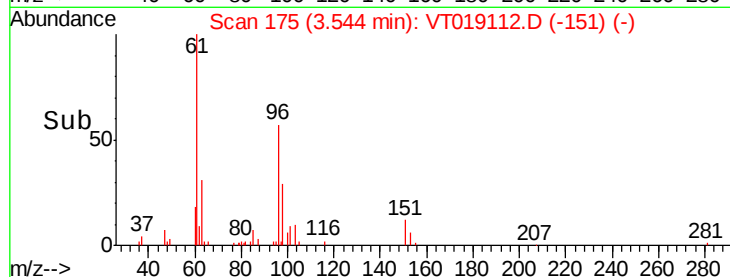
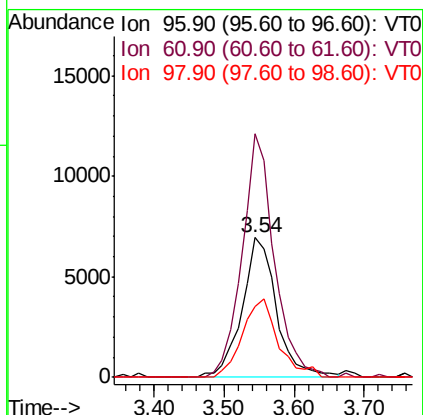
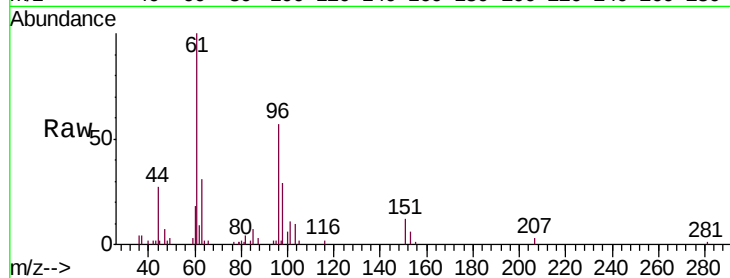
Tgt Ion: 96 Resp: 23955

Ion Ratio Lower Upper

96 100

61 174.2 117.8 176.8

98 51.0 51.0 76.6#



#4

2-Butanone

Concen: 14.025 ug/l

RT: 6.59 min Scan# 432

Delta R.T. 0.01 min

Lab File: VT019112.D

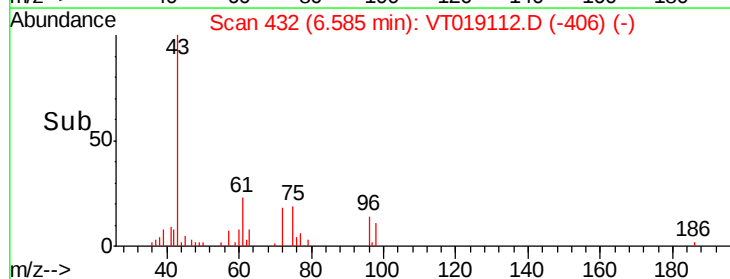
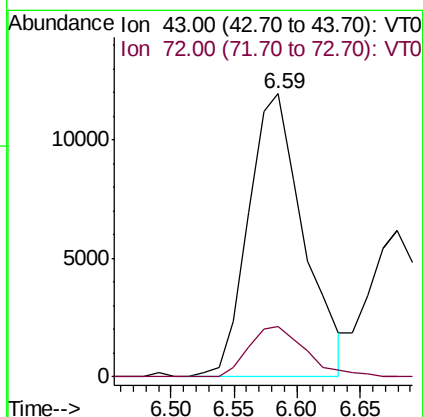
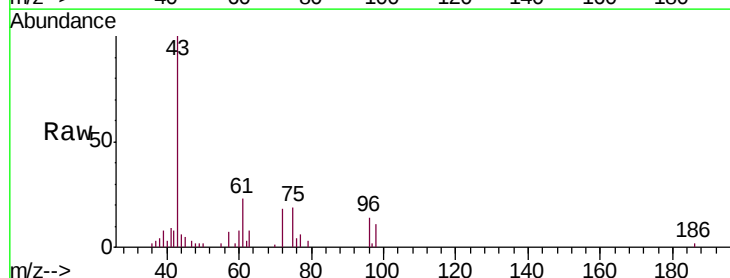
Acq: 28 Nov 2018 18:50

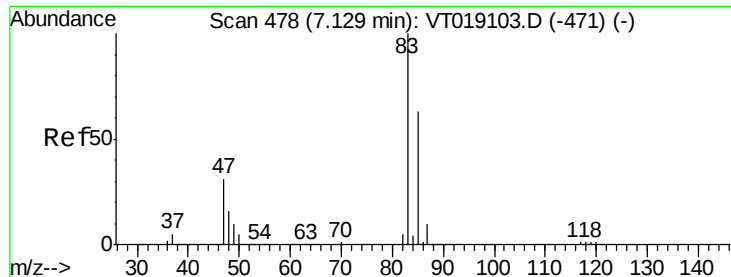
Tgt Ion: 43 Resp: 36547

Ion Ratio Lower Upper

43 100

72 17.9 17.8 26.6





#5

Chloroform

Concen: 3.061 ug/l

RT: 7.13 min Scan# 478

Delta R.T. 0.00 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

Instrument :

MSVOA_T

ClientSampled :

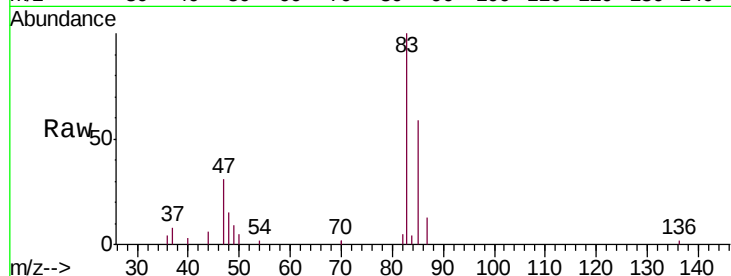
MDL4

Tgt Ion: 83 Resp: 23330

Ion Ratio Lower Upper

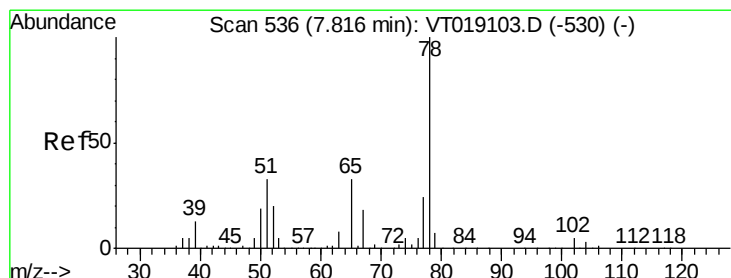
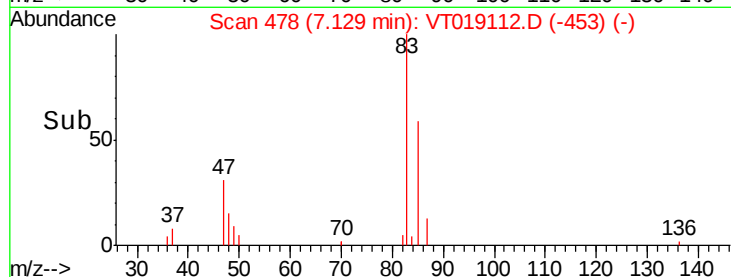
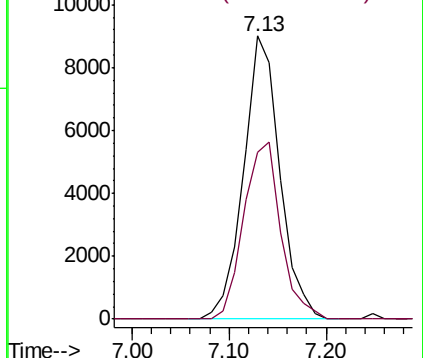
83 100

85 58.9 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: 61.959 ug/l

RT: 7.82 min Scan# 536

Delta R.T. 0.00 min

Lab File: VT019112.D

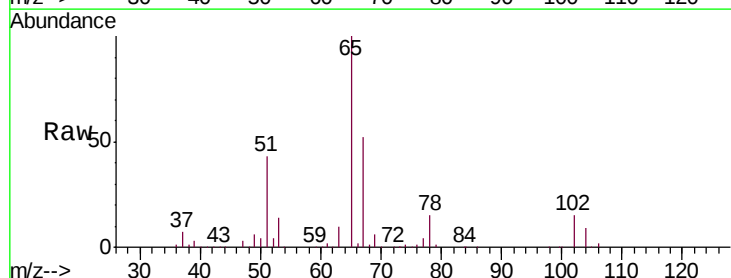
Acq: 28 Nov 2018 18:50

Tgt Ion: 65 Resp: 337827

Ion Ratio Lower Upper

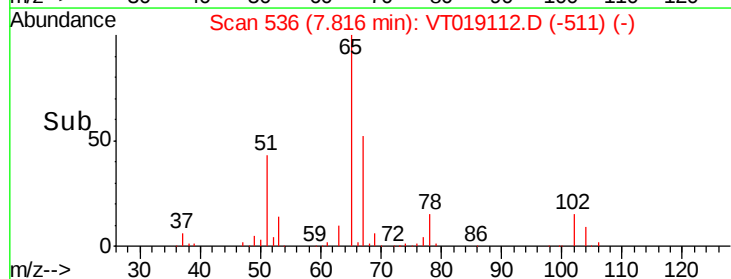
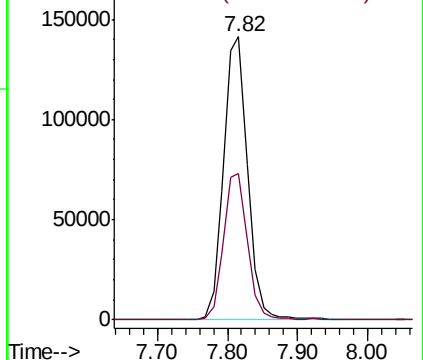
65 100

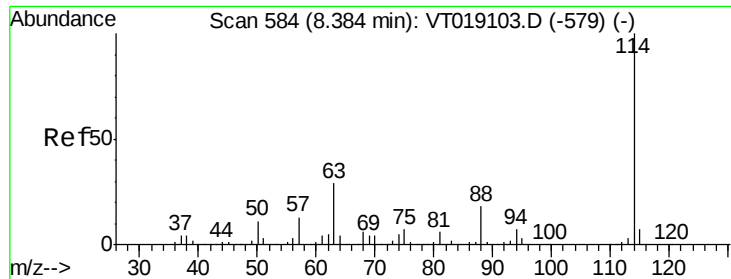
67 51.8 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VT0

Ion 66.90 (66.60 to 67.60): VT0





#7

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.38 min Scan# 584

Delta R.T. 0.00 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

Instrument :

MSVOA_T

ClientSampleId :

MDL4

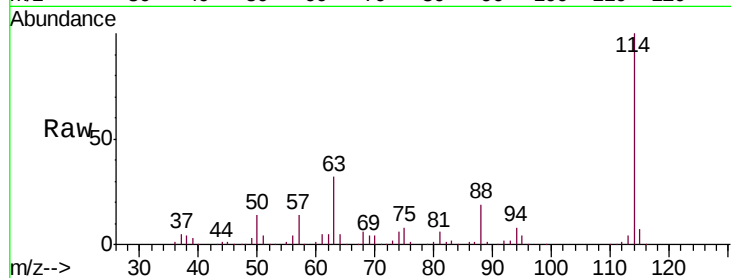
Tgt Ion:114 Resp: 564782

Ion Ratio Lower Upper

114 100

63 31.8 0.0 57.4

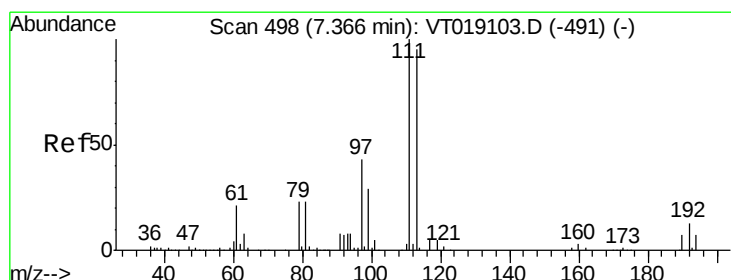
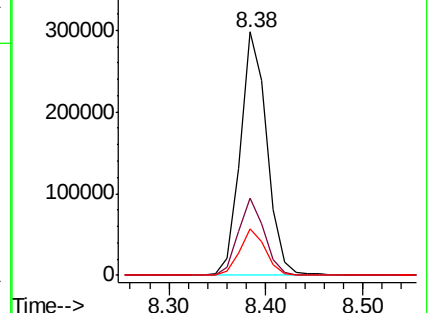
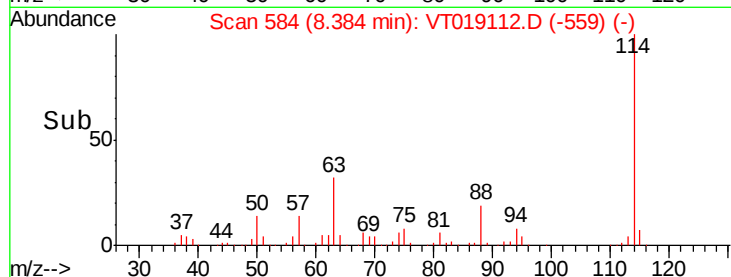
88 19.3 0.0 37.0



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: 52.955 ug/l

RT: 7.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

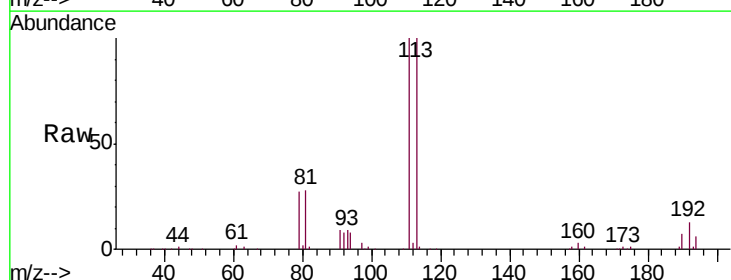
Tgt Ion:113 Resp: 192510

Ion Ratio Lower Upper

113 100

111 101.1 83.9 125.9

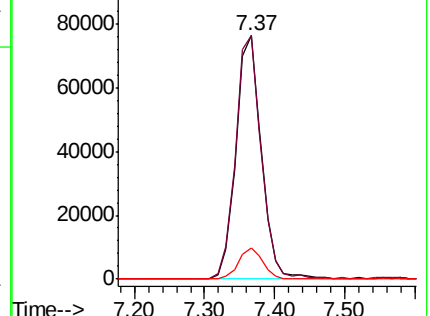
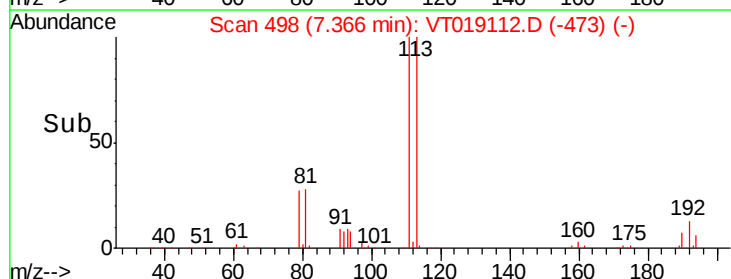
192 12.4 11.5 17.3

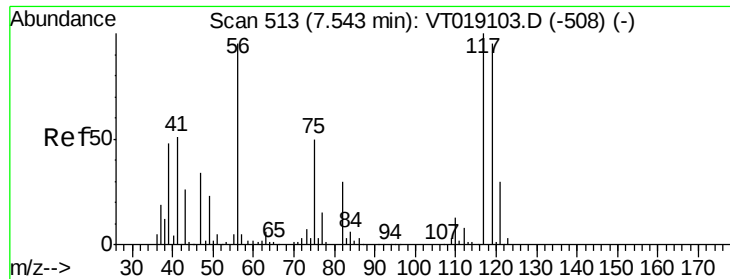


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#9

Carbon Tetrachloride

Concen: 2.595 ug/l

RT: 7.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

Instrument :

MSVOA_T

ClientSampled :

MDL4

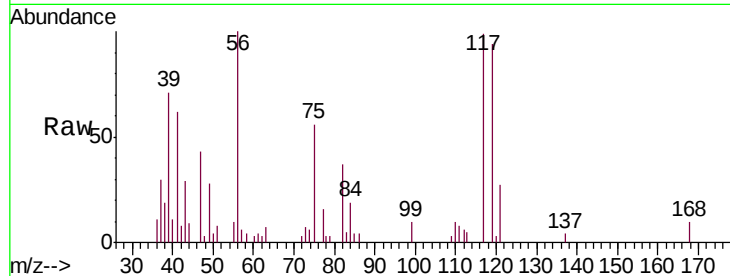
Tgt Ion:117 Resp: 15716

Ion Ratio Lower Upper

117 100

119 94.9 75.0 112.6

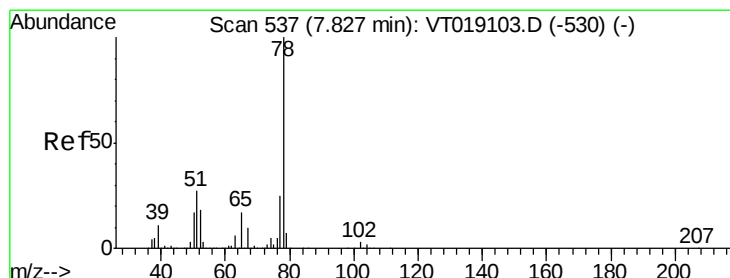
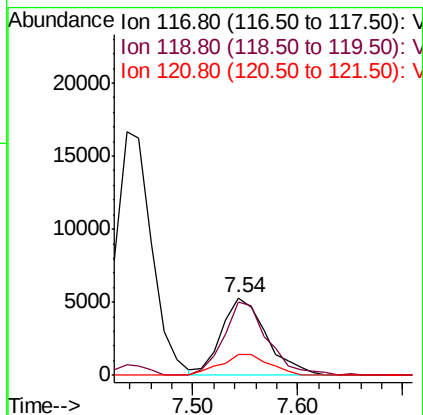
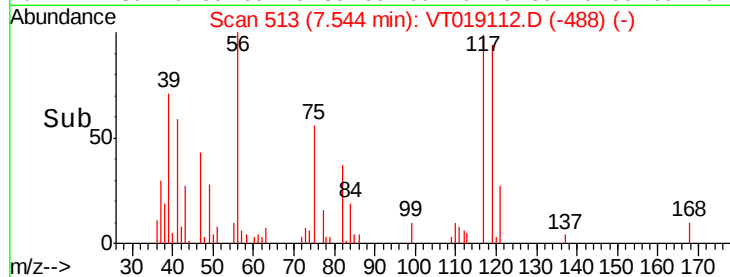
121 27.7 23.5 35.3



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: 2.651 ug/l

RT: 7.83 min Scan# 537

Delta R.T. 0.00 min

Lab File: VT019112.D

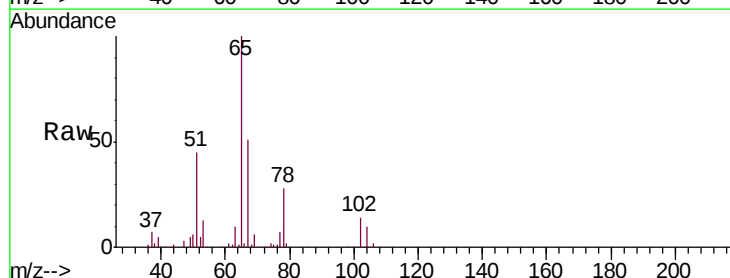
Acq: 28 Nov 2018 18:50

Tgt Ion: 78 Resp: 52235

Ion Ratio Lower Upper

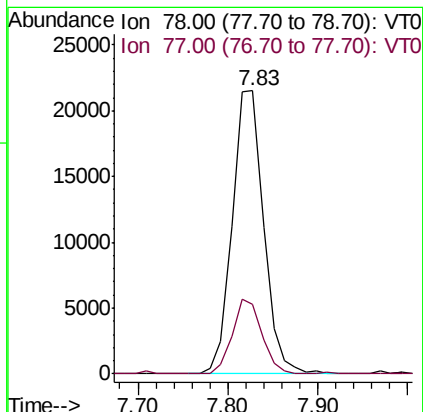
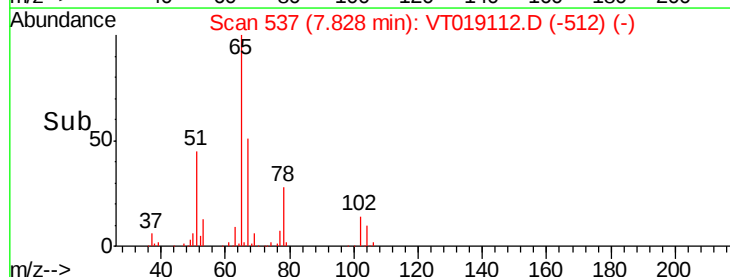
78 100

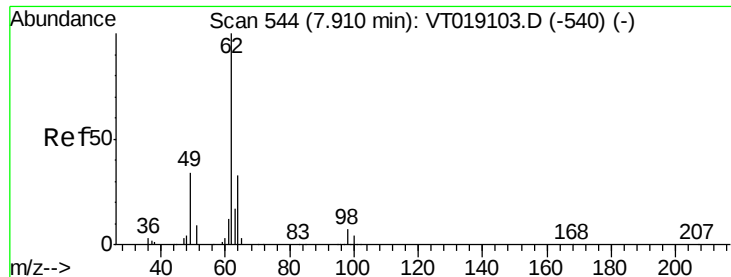
77 24.5 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VT0

Ion 77.00 (76.70 to 77.70): VT0





#11

1,2-Dichloroethane

Concen: 3.008 ug/l

RT: 7.91 min Scan# 544

Delta R.T. 0.00 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

Instrument :

MSVOA_T

ClientSampled :

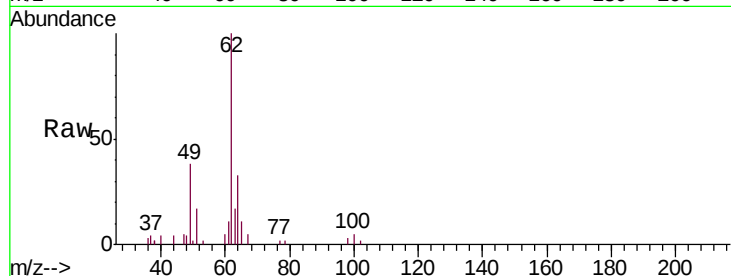
MDL4

Tgt Ion: 62 Resp: 21641

Ion Ratio Lower Upper

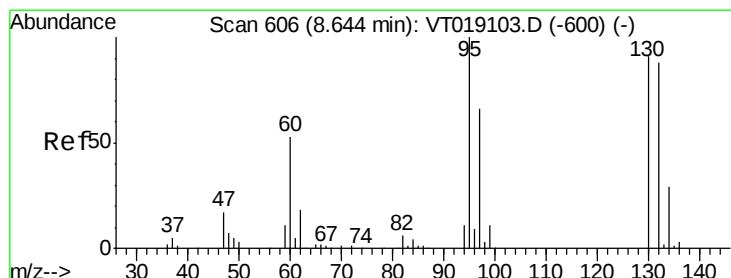
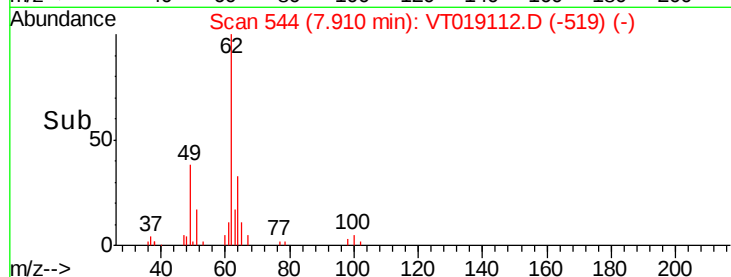
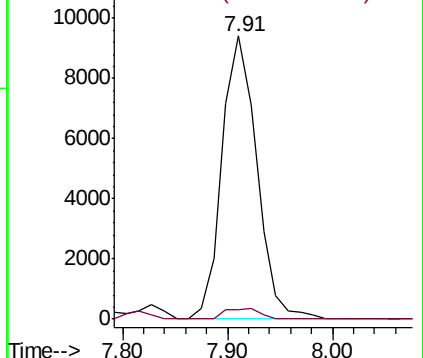
62 100

98 3.8 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: 2.425 ug/l

RT: 8.63 min Scan# 605

Delta R.T. -0.01 min

Lab File: VT019112.D

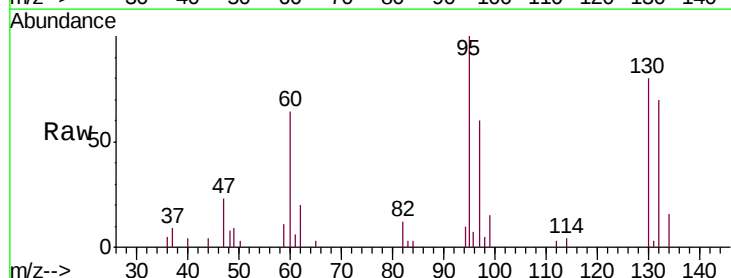
Acq: 28 Nov 2018 18:50

Tgt Ion: 130 Resp: 9350

Ion Ratio Lower Upper

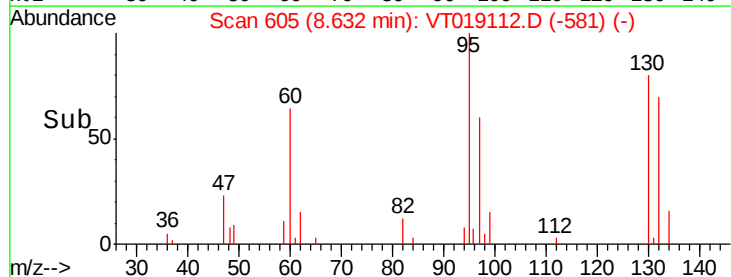
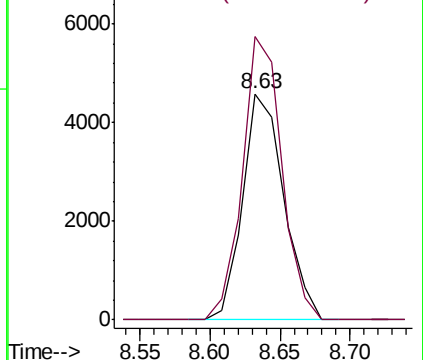
130 100

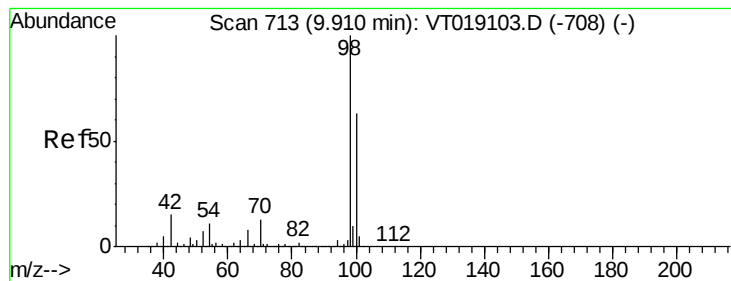
95 125.1 0.0 218.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VT0





#13

Toluene-d8

Concen: 53.216 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.00 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

Instrument :

MSVOA_T

ClientSampleId :

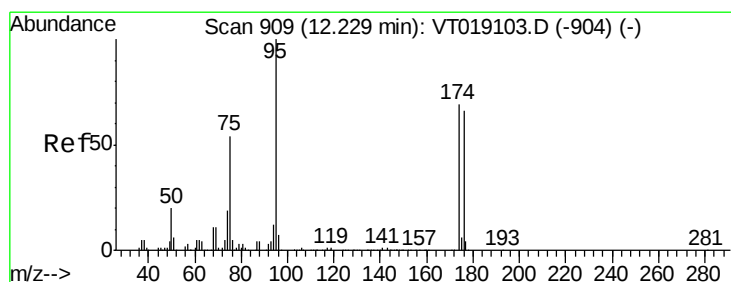
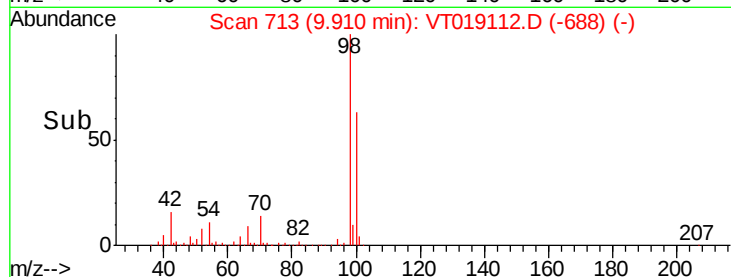
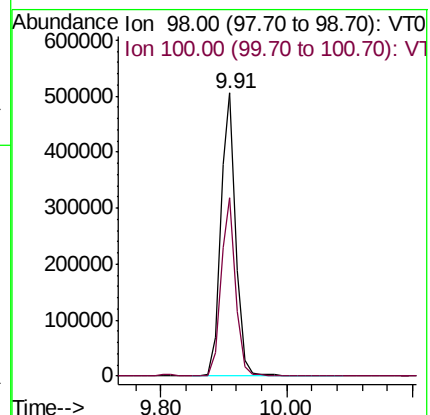
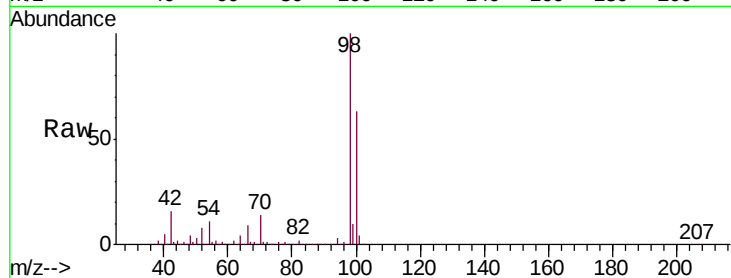
MDL4

Tgt Ion: 98 Resp: 847113

Ion Ratio Lower Upper

98 100

100 61.6 50.2 75.2



#14

4-Bromofluorobenzene

Concen: 52.399 ug/l

RT: 12.23 min Scan# 909

Delta R.T. 0.00 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

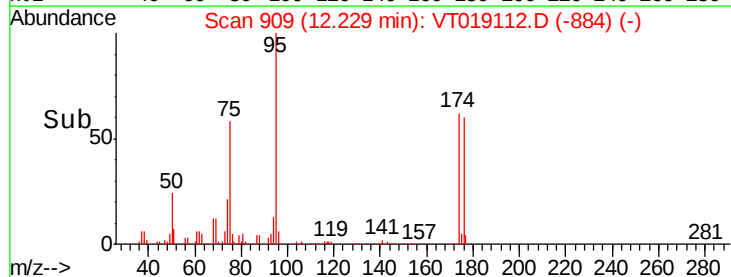
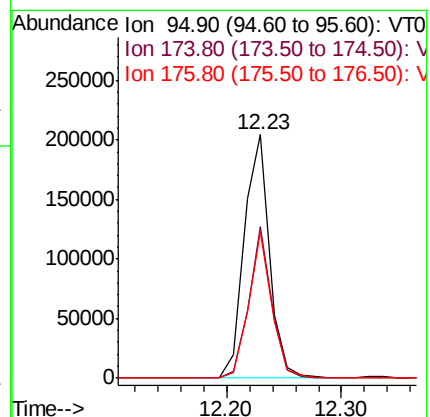
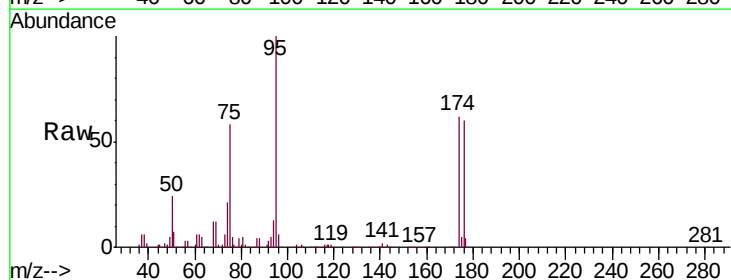
Tgt Ion: 95 Resp: 313632

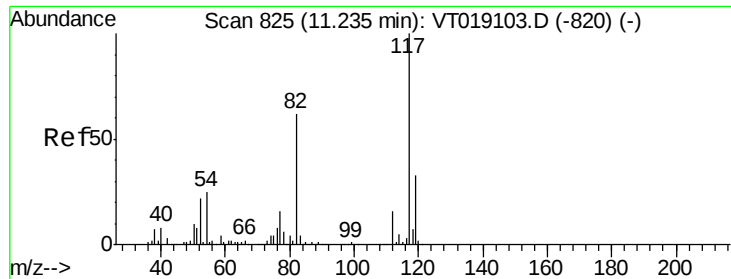
Ion Ratio Lower Upper

95 100

174 56.2 0.0 123.2

176 54.9 0.0 118.8

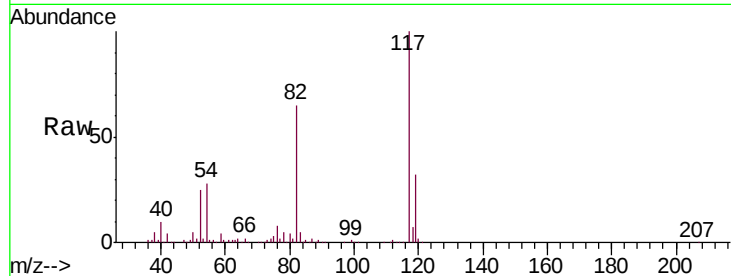




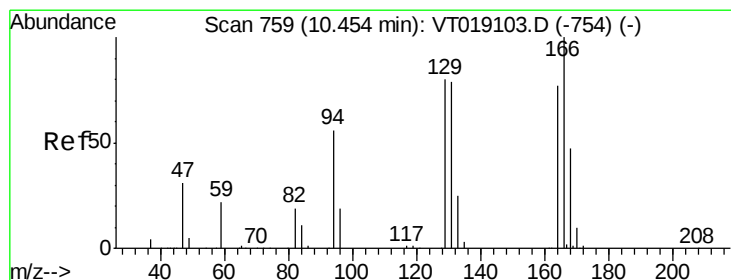
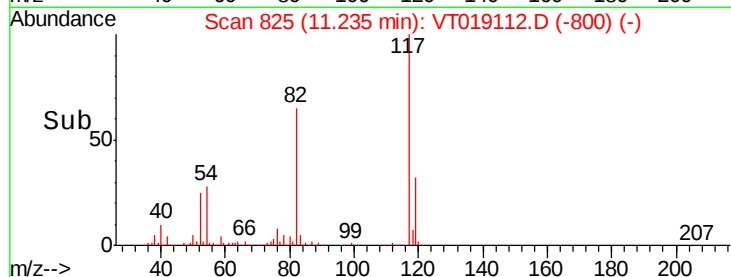
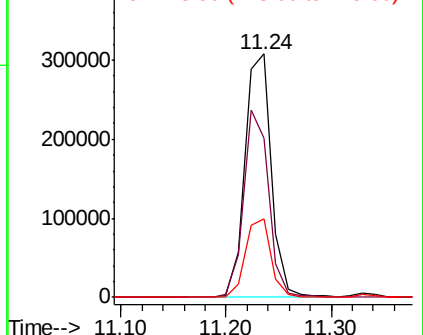
#15
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.24 min Scan# 825
Delta R.T. 0.00 min
Lab File: VT019112.D
Acq: 28 Nov 2018 18:50

Instrument :
MSVOA_T
ClientSampled :
MDL4

Tgt Ion:117 Resp: 536362
Ion Ratio Lower Upper
117 100
82 65.4 49.7 74.5
119 32.4 26.3 39.5

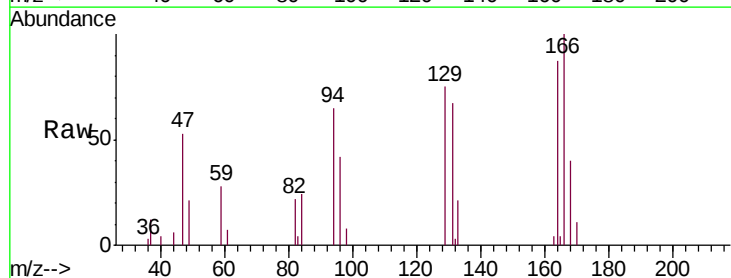


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VT0
Ion 118.90 (118.60 to 119.60): V

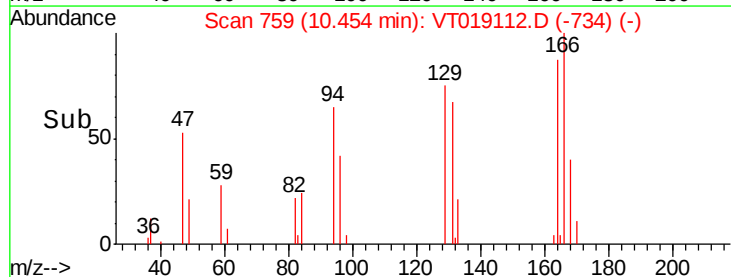
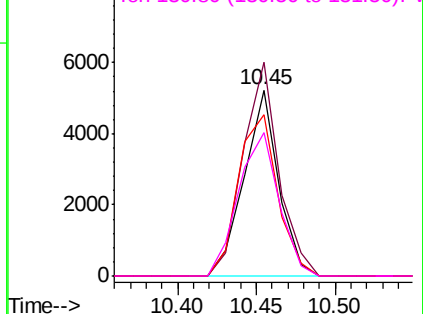


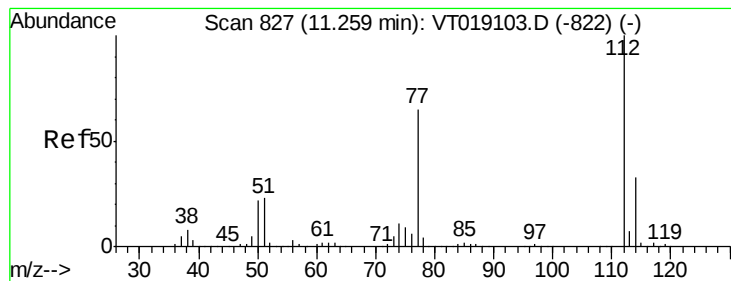
#16
Tetrachloroethene
Concen: 2.654 ug/l
RT: 10.45 min Scan# 759
Delta R.T. 0.00 min
Lab File: VT019112.D
Acq: 28 Nov 2018 18:50

Tgt Ion:164 Resp: 7931
Ion Ratio Lower Upper
164 100
166 114.9 103.6 155.4
129 86.5 82.9 124.3
131 77.3 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: 2.463 ug/l

RT: 11.26 min Scan# 827

Delta R.T. 0.00 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

Instrument :

MSVOA_T

ClientSampleId :

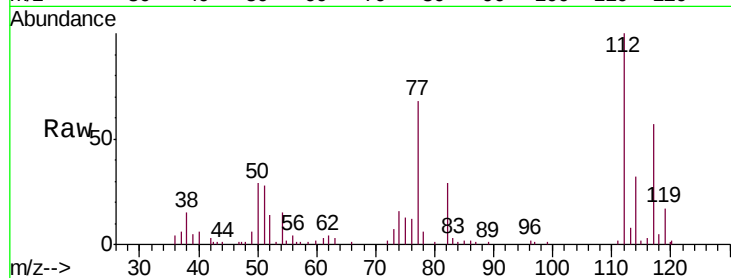
MDL4

Tgt Ion:112 Resp: 29969

Ion Ratio Lower Upper

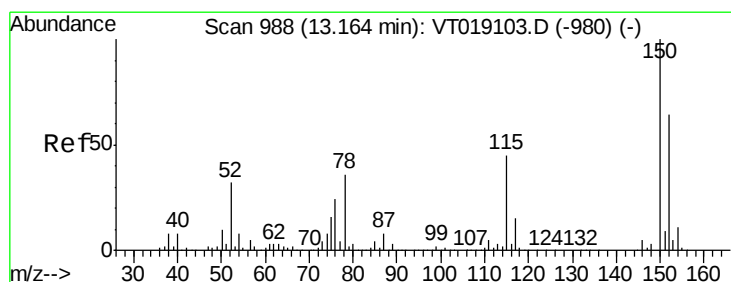
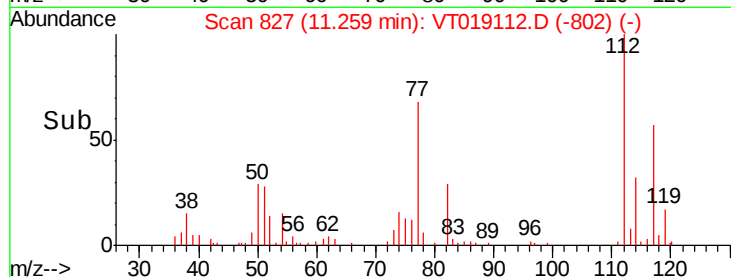
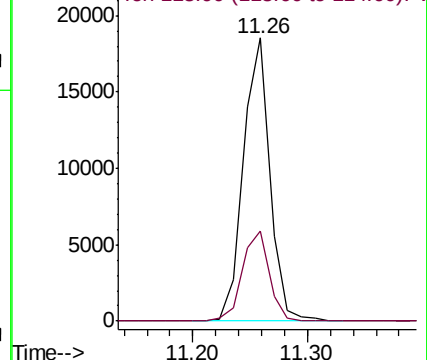
112 100

114 31.8 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#18

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.16 min Scan# 988

Delta R.T. 0.00 min

Lab File: VT019112.D

Acq: 28 Nov 2018 18:50

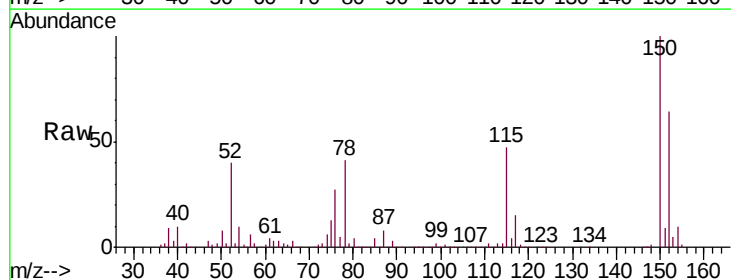
Tgt Ion:152 Resp: 260908

Ion Ratio Lower Upper

152 100

115 73.2 33.0 99.0

150 158.0 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

