

Data Path : Z:\VOASRV\HPCHEM1\MSVOA T\DATA\VT112818\
 Data File : VT019110.D
 Acq On : 28 Nov 2018 17:51
 Operator : SY/MD
 Sample : MDL2
 Misc : 5.0mL/MSVOA T/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 MDL2

Quant Time: Nov 29 06:30:26 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	413117	50.00	ug/l	0.00
7) 1,4-Difluorobenzene	8.38	114	762881	50.00	ug/l	0.00
15) Chlorobenzene-d5	11.24	117	677406	50.00	ug/l	0.00
18) 1,4-Dichlorobenzene-d4	13.16	152	326368	50.00	ug/l	0.00

System Monitoring Compounds

6) 1,2-Dichloroethane-d4	7.80	65	447232	55.11	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	110.22%	
8) Dibromofluoromethane	7.37	113	262709	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
13) Toluene-d8	9.91	98	1093319	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
14) 4-Bromofluorobenzene	12.23	95	391997	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

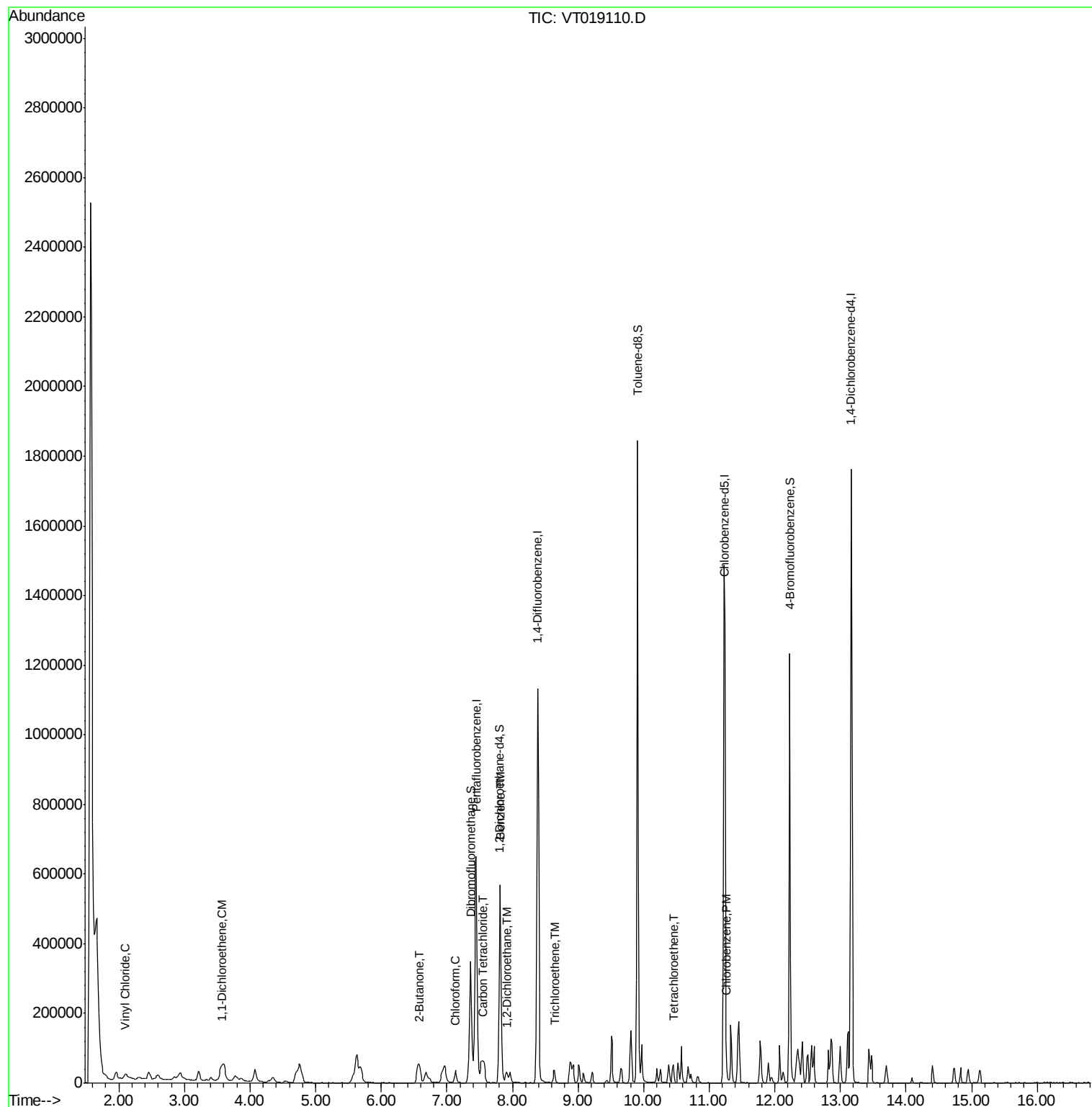
					Qvalue
2) Vinyl Chloride	2.10	62	33158	2.633	ug/l 92
3) 1,1-Dichloroethene	3.57	96	22724	2.623	ug/l 96
4) 2-Butanone	6.59	43	48208	12.429	ug/l 96
5) Chloroform	7.13	83	30972	2.730	ug/l 99
9) Carbon Tetrachloride	7.54	117	19746	2.414	ug/l 93
10) Benzene	7.82	78	68083	2.558	ug/l 98
11) 1,2-Dichloroethane	7.91	62	26993	2.777	ug/l 97
12) Trichloroethene	8.64	130	11421	2.193	ug/l 98
16) Tetrachloroethene	10.45	164	8006	2.121	ug/l 95
17) Chlorobenzene	11.26	112	37547	2.444	ug/l 93

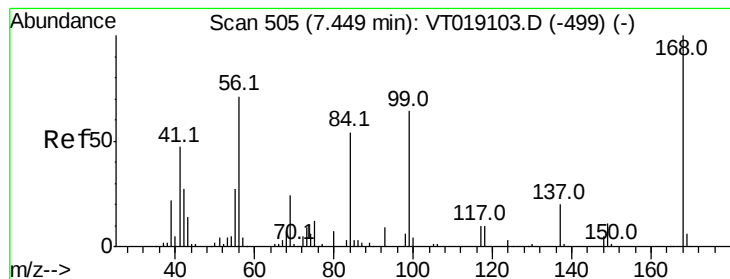
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA T\DATA\VT112818\
Data File : VT019110.D
Acq On : 28 Nov 2018 17:51
Operator : SY/MD
Sample : MDL2
Misc : 5.0mL/MSVOA T/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_T
ClientSampleId :
MDL2

Quant Time: Nov 29 06:30:26 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: VT019110.D

Acq: 28 Nov 2018 17:51

Instrument :

MSVOA_T

ClientSampleId :

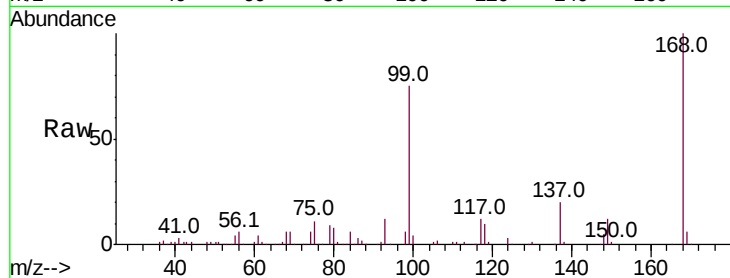
MDL2

Tot Ion:168 Resp: 413117

Ion Ratio Lower Upper

168 100

99 74.7 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

200000

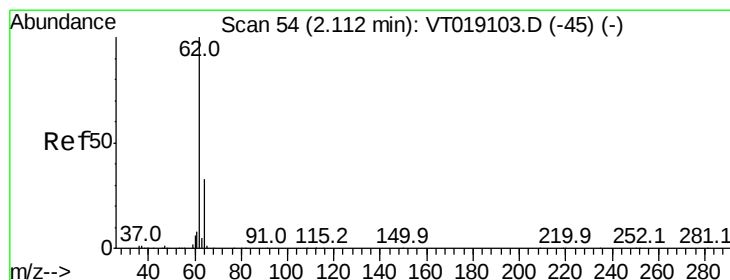
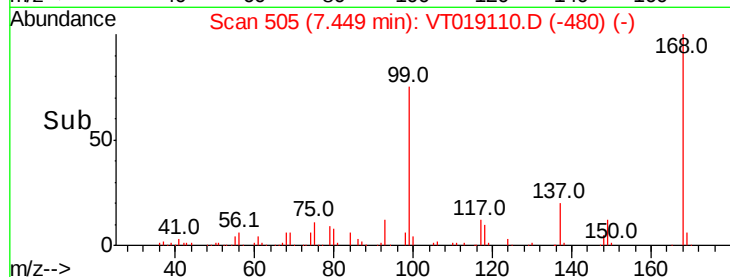
150000

100000

50000

0

Time-->



#2

Vinyl Chloride

Concen: 2.633 ug/l

RT: 2.10 min Scan# 53

Delta R.T. -0.01 min

Lab File: VT019110.D

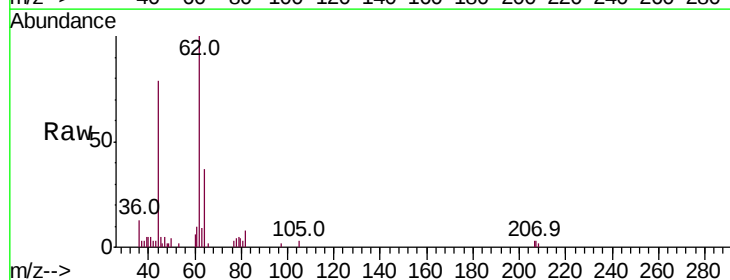
Acq: 28 Nov 2018 17:51

Tgt Ion: 62 Resp: 33158

Ion Ratio Lower Upper

62 100

64 37.2 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

8000

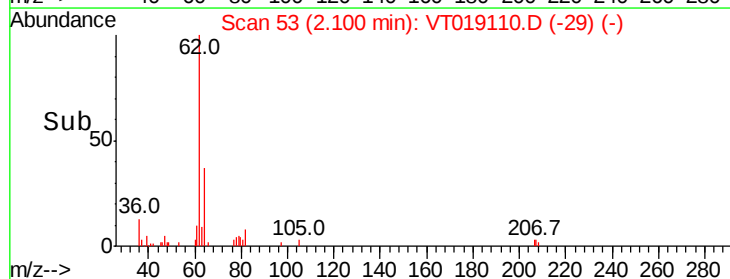
6000

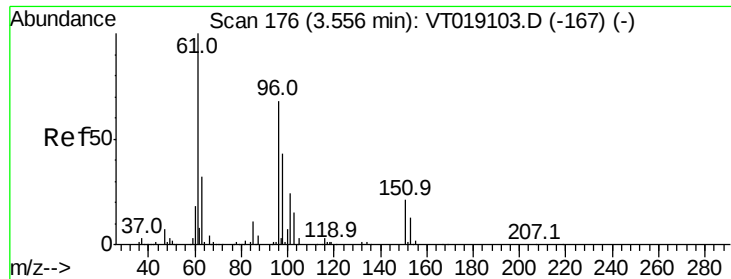
4000

2000

0

Time-->





#3

1,1-Dichloroethene

Concen: 2.623 ug/l

RT: 3.57 min Scan# 177

Delta R.T. 0.01 min

Lab File: VT019110.D

Acq: 28 Nov 2018 17:51

Instrument :

MSVOA_T

ClientSampleId :

MDL2

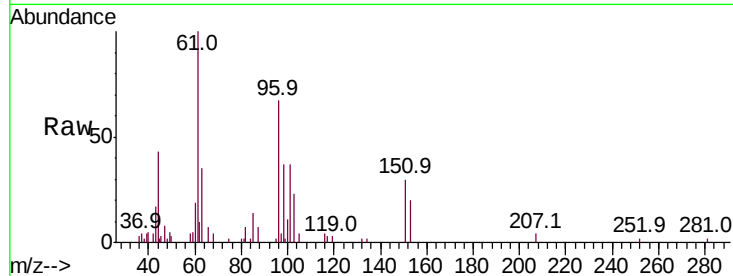
Tot Ion: 96 Resp: 22724

Ion Ratio Lower Upper

96 100

61 148.2 117.8 176.8

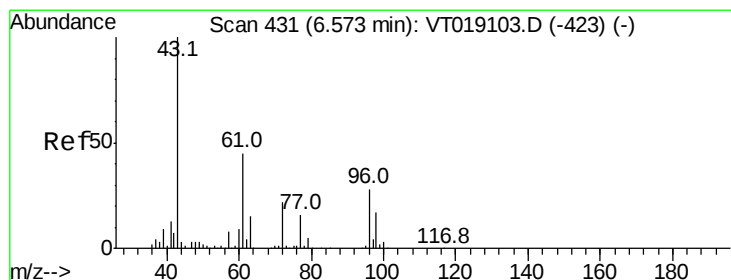
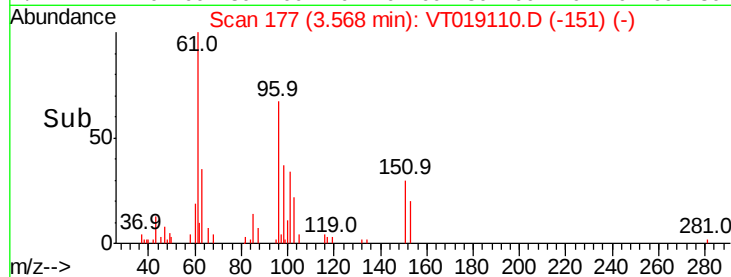
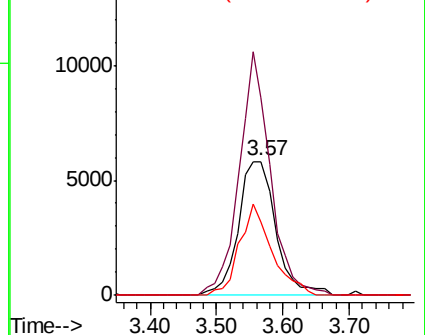
98 55.2 51.0 76.6



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: 12.429 ug/l

RT: 6.59 min Scan# 432

Delta R.T. 0.01 min

Lab File: VT019110.D

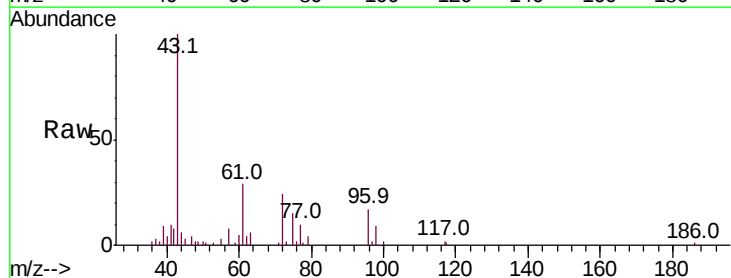
Acq: 28 Nov 2018 17:51

Tgt Ion: 43 Resp: 48208

Ion Ratio Lower Upper

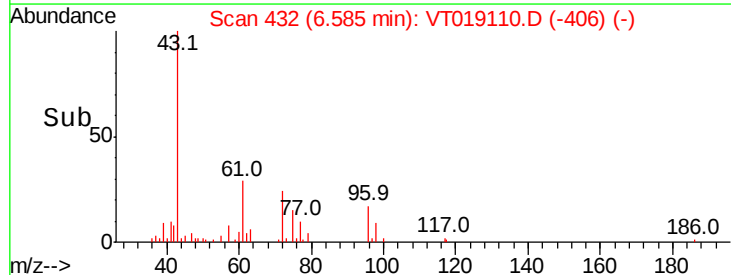
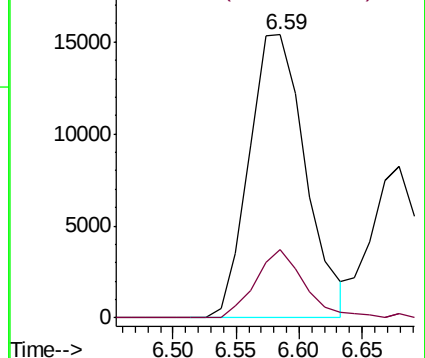
43 100

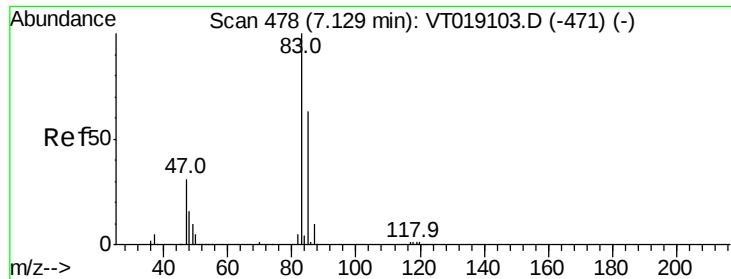
72 24.0 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VT0

Ion 72.00 (71.70 to 72.70): VT0





#5

Chloroform

Concen: 2.730 ug/l

RT: 7.13 min Scan# 478

Delta R.T. 0.00 min

Lab File: VT019110.D

Acq: 28 Nov 2018 17:51

Instrument :

MSVOA_T

ClientSampleId :

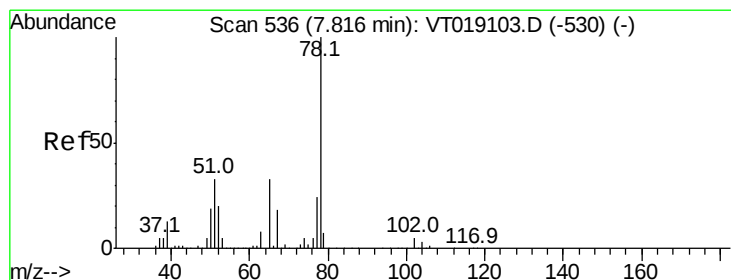
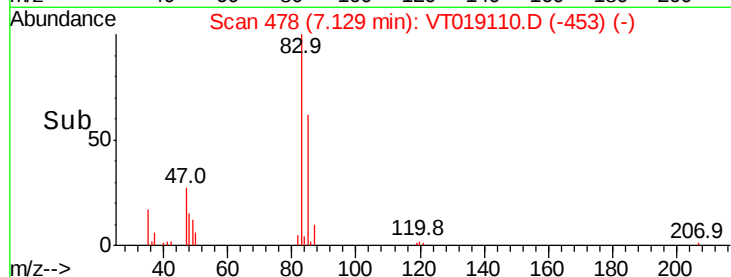
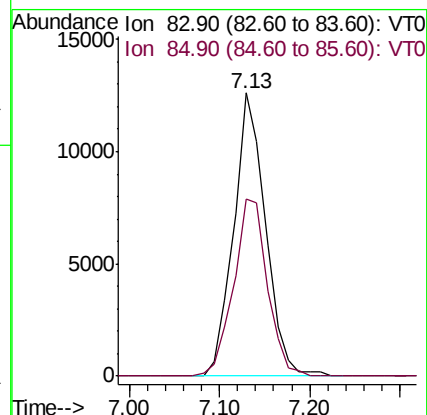
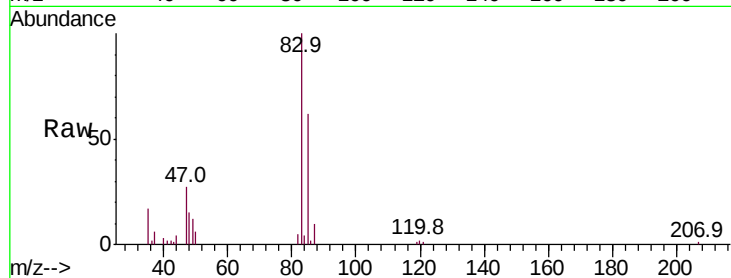
MDL2

Tot Ion: 83 Resp: 30972

Ion Ratio Lower Upper

83 100

85 62.5 50.4 75.6



#6

1,2-Dichloroethane-d4

Concen: 55.107 ug/l

RT: 7.80 min Scan# 535

Delta R.T. -0.01 min

Lab File: VT019110.D

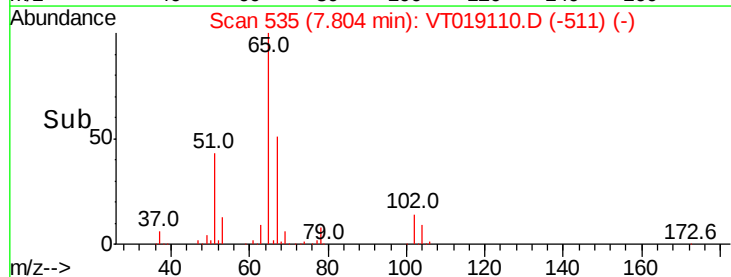
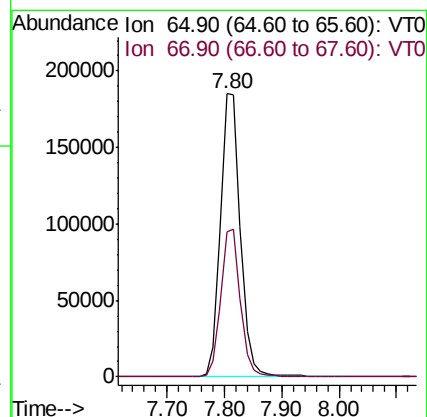
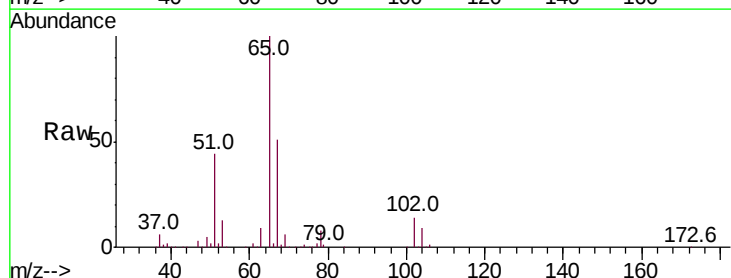
Acq: 28 Nov 2018 17:51

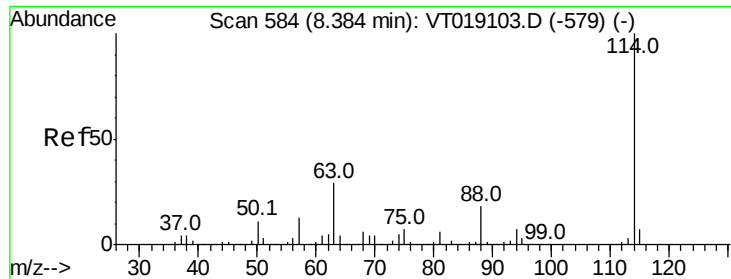
Tgt Ion: 65 Resp: 447232

Ion Ratio Lower Upper

65 100

67 51.3 0.0 108.0





#7

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.38 min Scan# 584

Delta R.T. 0.00 min

Lab File: VT019110.D

Acq: 28 Nov 2018 17:51

Instrument :

MSVOA_T

ClientSampleId :

MDL2

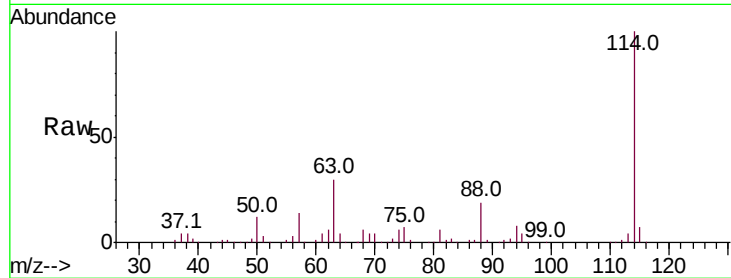
Tot Ion:114 Resp: 762881

Ion Ratio Lower Upper

114 100

63 29.7 0.0 57.4

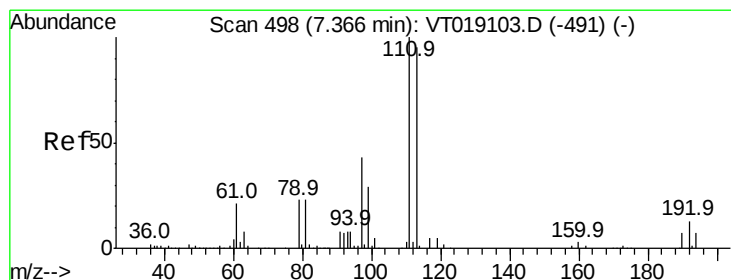
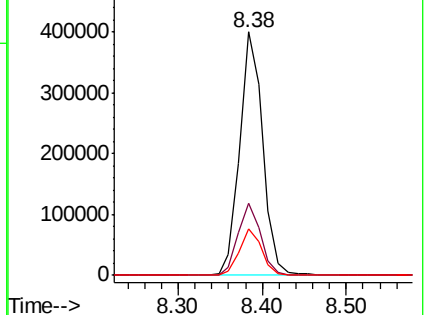
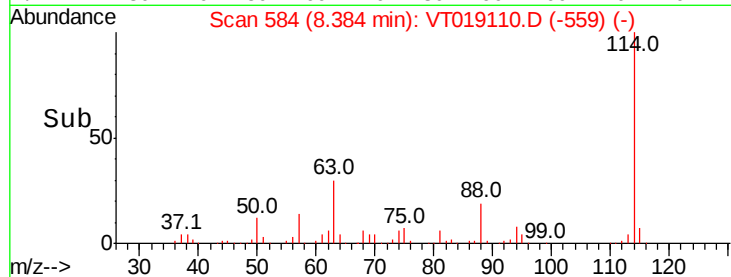
88 19.2 0.0 37.0



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: 53.500 ug/l

RT: 7.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VT019110.D

Acq: 28 Nov 2018 17:51

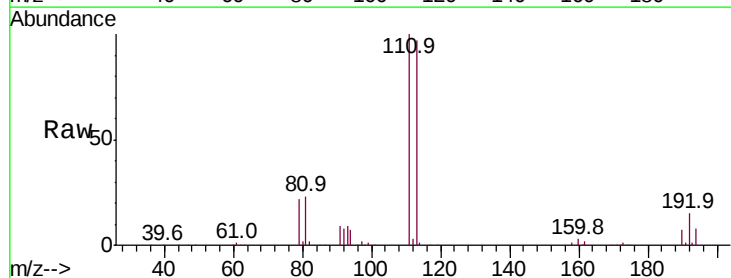
Tgt Ion:113 Resp: 262709

Ion Ratio Lower Upper

113 100

111 102.2 83.9 125.9

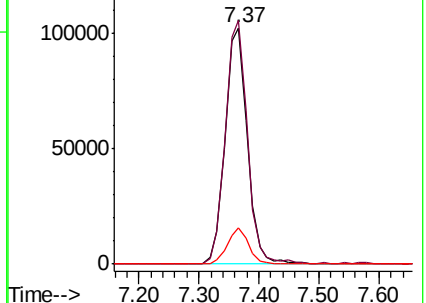
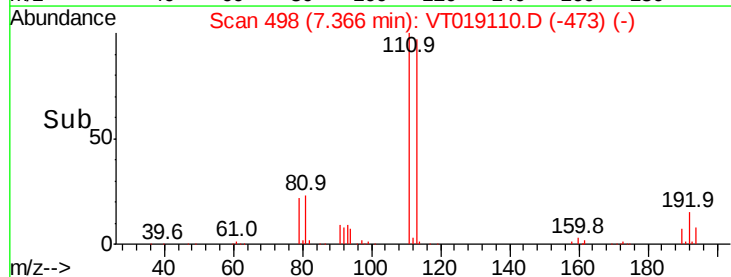
192 14.7 11.5 17.3

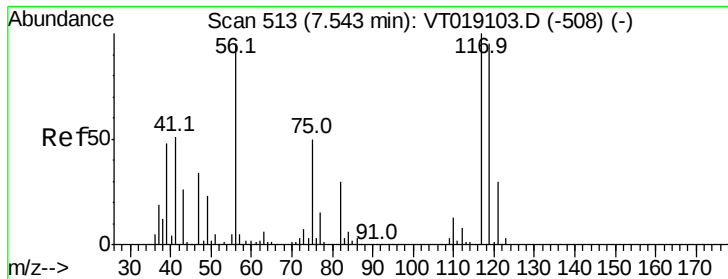


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#9

Carbon Tetrachloride

Concen: 2.414 ug/l

RT: 7.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VT019110.D

Acq: 28 Nov 2018 17:51

Instrument :

MSVOA_T

ClientSampled :

MDL2

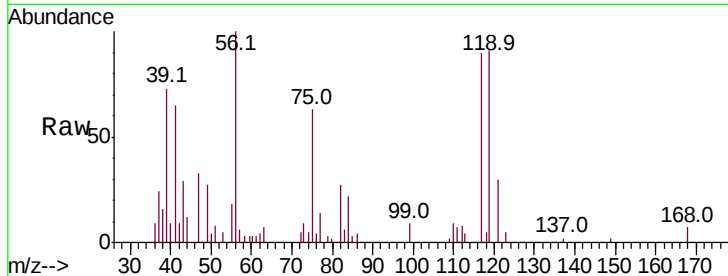
Tot Ion:117 Resp: 19746

Ion Ratio Lower Upper

117 100

119 101.3 75.0 112.6

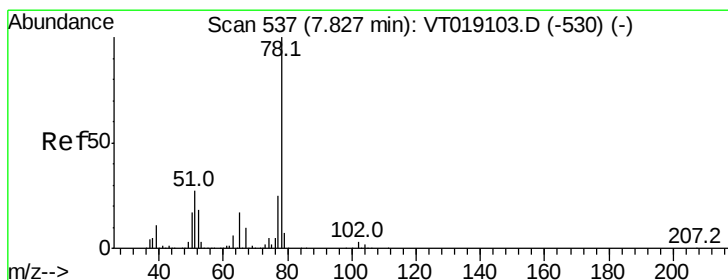
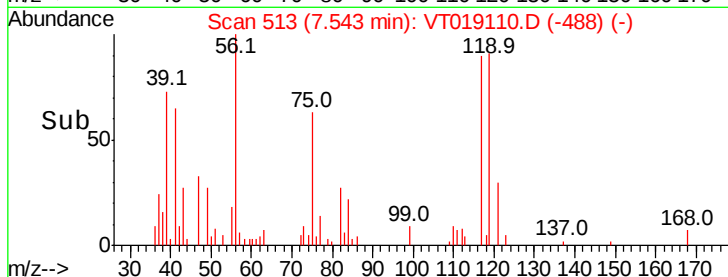
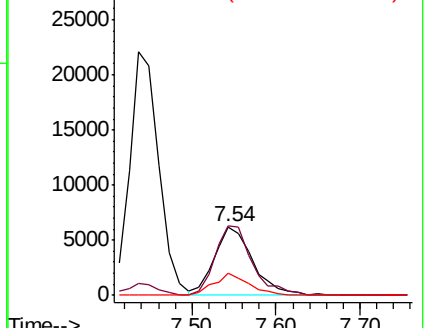
121 32.9 23.5 35.3



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: 2.558 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.01 min

Lab File: VT019110.D

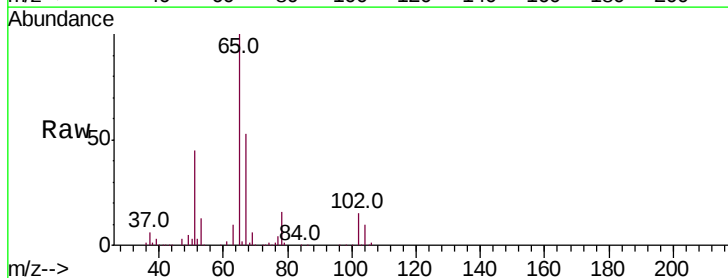
Acq: 28 Nov 2018 17:51

Tgt Ion: 78 Resp: 68083

Ion Ratio Lower Upper

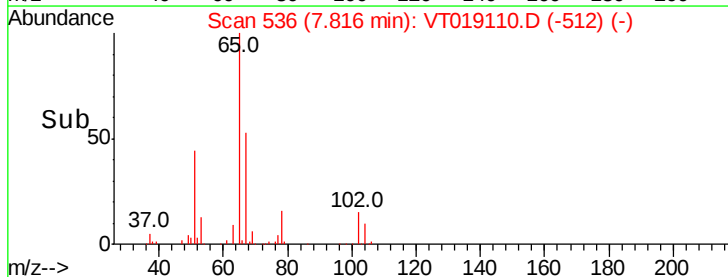
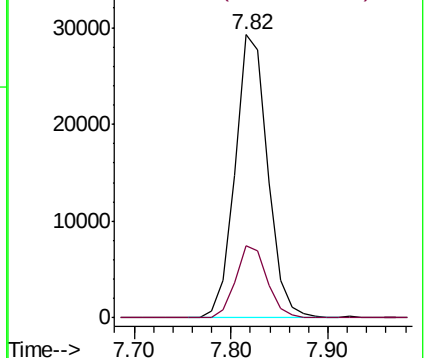
78 100

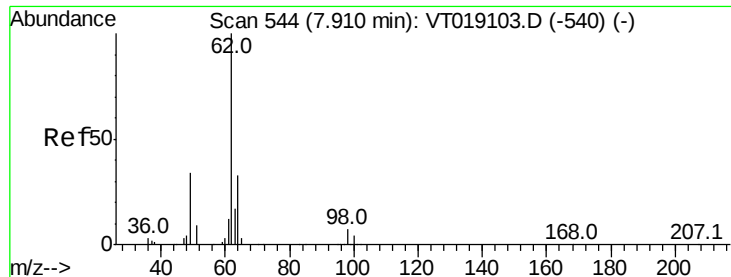
77 25.5 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VT0

Ion 77.00 (76.70 to 77.70): VT0

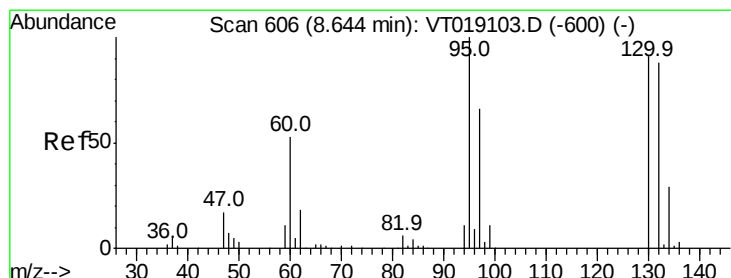
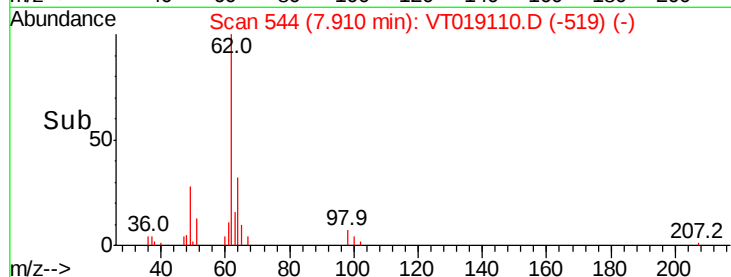
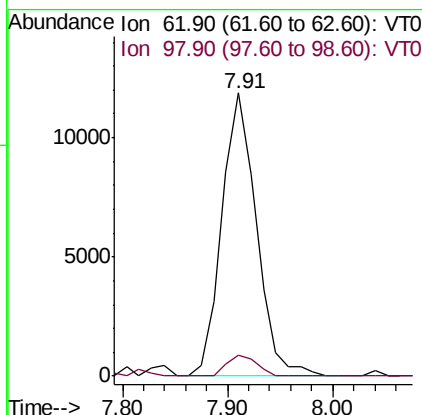
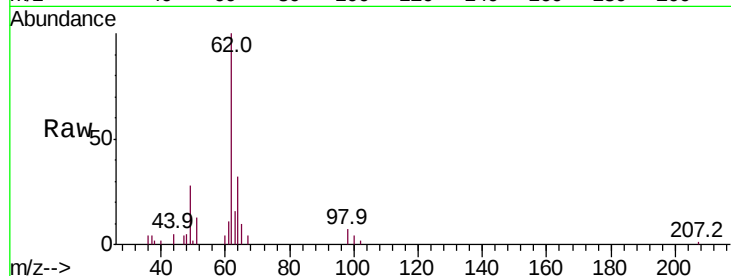




#11
 1,2-Dichloroethane
 Concen: 2.777 ug/l
 RT: 7.91 min Scan# 544
 Delta R.T. 0.00 min
 Lab File: VT019110.D
 Acq: 28 Nov 2018 17:51

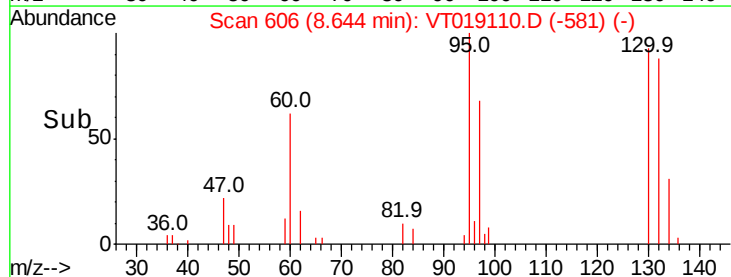
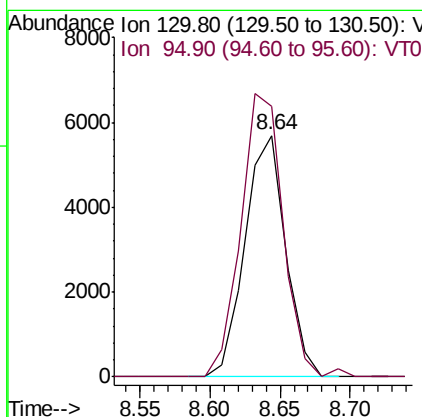
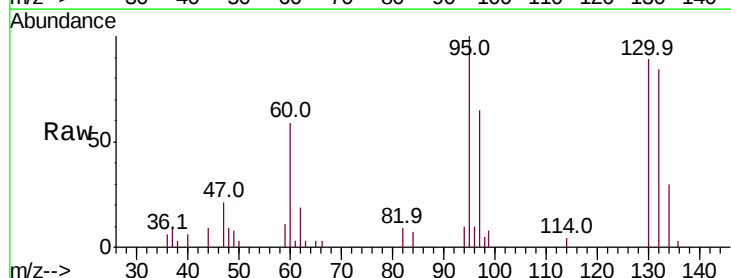
Instrument :
 MSVOA_T
 ClientSampled :
 MDL2

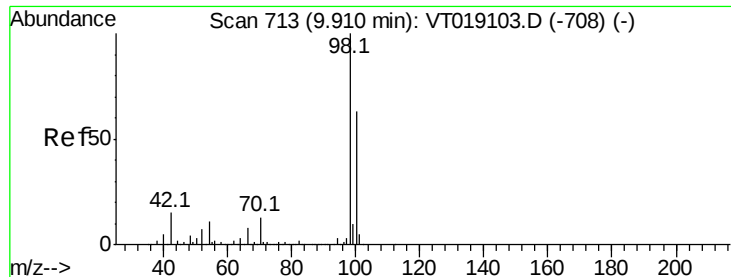
Tot Ion: 62 Resp: 26993
 Ion Ratio Lower Upper
 62 100
 98 6.4 0.0 14.6



#12
 Trichloroethene
 Concen: 2.193 ug/l
 RT: 8.64 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VT019110.D
 Acq: 28 Nov 2018 17:51

Tgt Ion:130 Resp: 11421
 Ion Ratio Lower Upper
 130 100
 95 112.0 0.0 218.8





#13

Toluene-d8

Concen: 50.848 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.00 min

Lab File: VT019110.D

Acq: 28 Nov 2018 17:51

Instrument :

MSVOA_T

ClientSampleId :

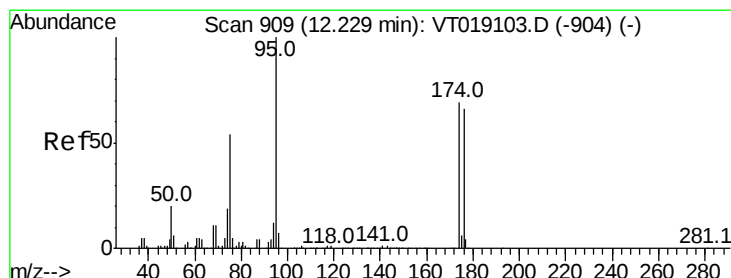
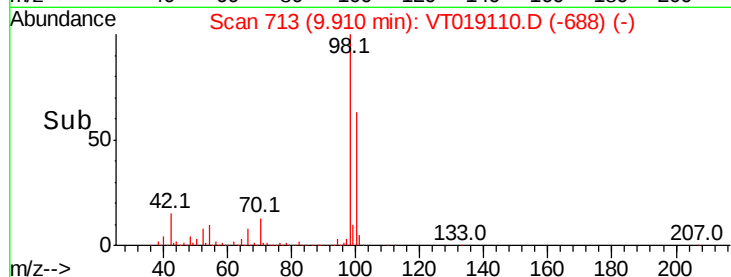
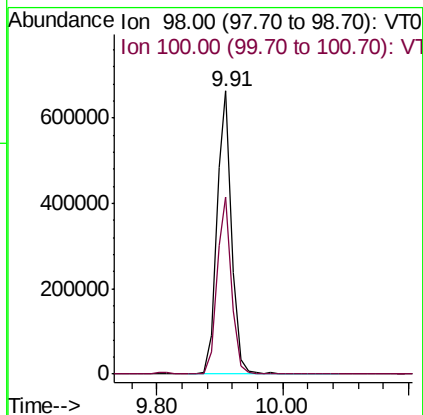
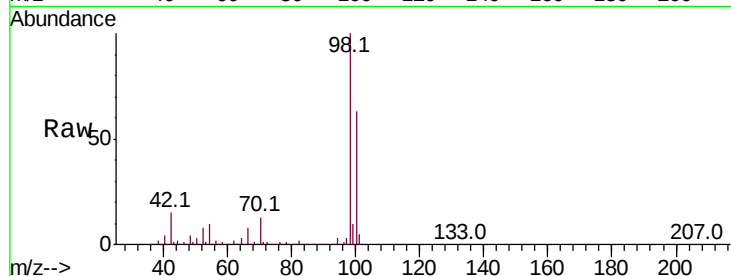
MDL2

Tot Ion: 98 Resp: 1093319

Ion Ratio Lower Upper

98 100

100 61.9 50.2 75.2



#14

4-Bromofluorobenzene

Concen: 48.485 ug/l

RT: 12.23 min Scan# 909

Delta R.T. 0.00 min

Lab File: VT019110.D

Acq: 28 Nov 2018 17:51

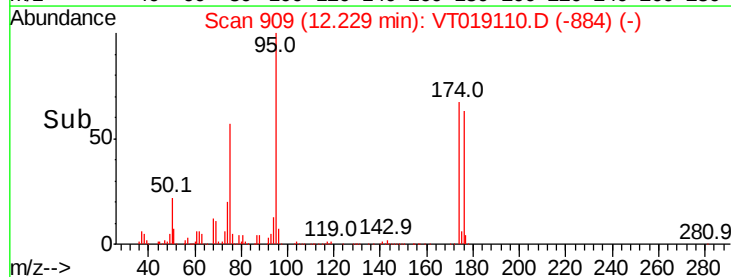
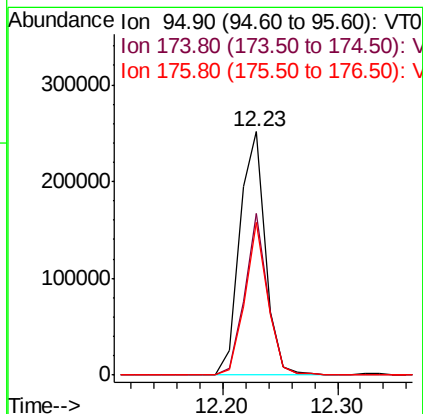
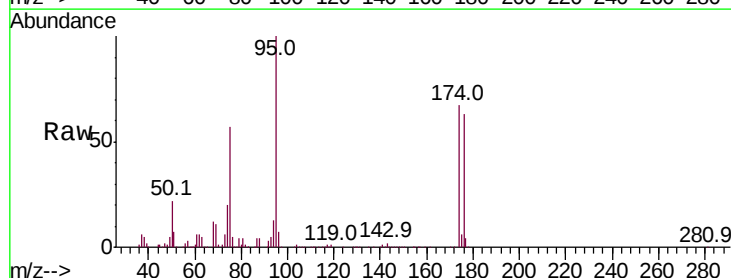
Tgt Ion: 95 Resp: 391997

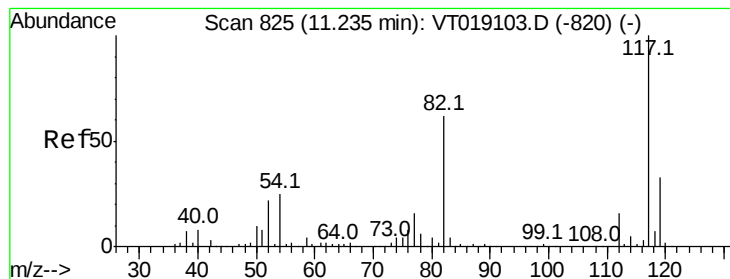
Ion Ratio Lower Upper

95 100

174 59.4 0.0 123.2

176 56.2 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: VT019110.D

Acq: 28 Nov 2018 17:51

Instrument :

MSVOA_T

ClientSampleId :

MDL2

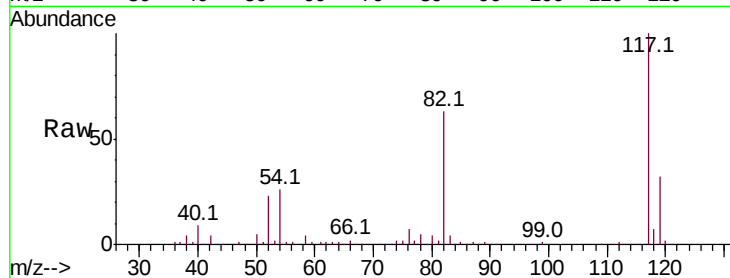
Tot Ion:117 Resp: 677406

Ion Ratio Lower Upper

117 100

82 63.1 49.7 74.5

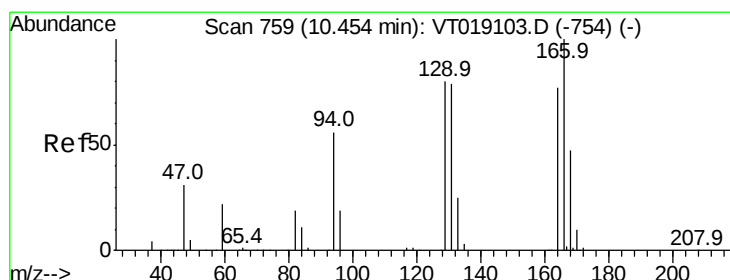
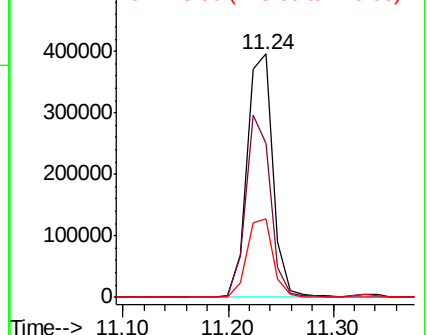
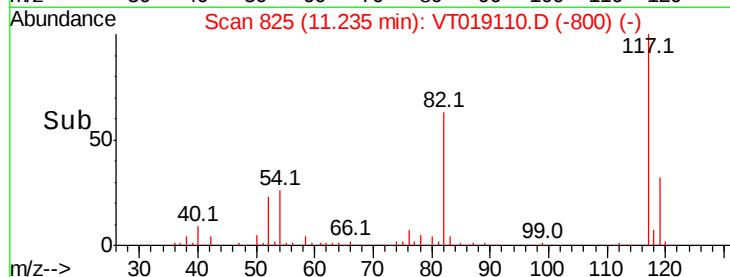
119 32.4 26.3 39.5



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: 2.121 ug/l

RT: 10.45 min Scan# 759

Delta R.T. 0.00 min

Lab File: VT019110.D

Acq: 28 Nov 2018 17:51

Tgt Ion:164 Resp: 8006

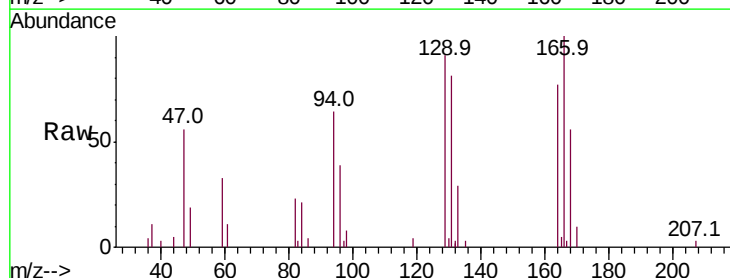
Ion Ratio Lower Upper

164 100

166 129.3 103.6 155.4

129 118.2 82.9 124.3

131 104.7 81.7 122.5

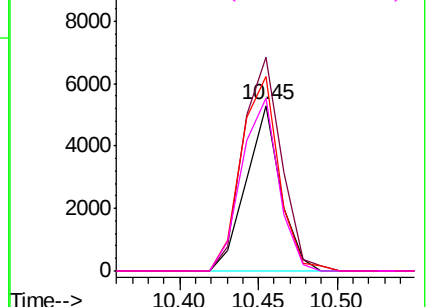
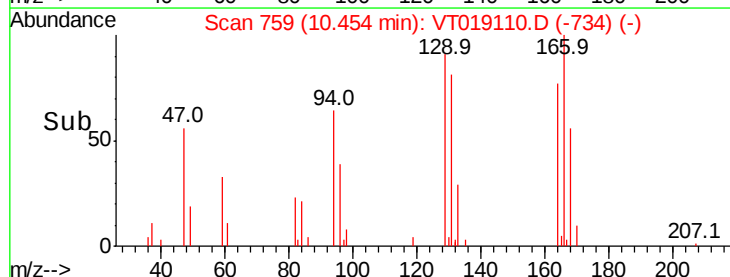


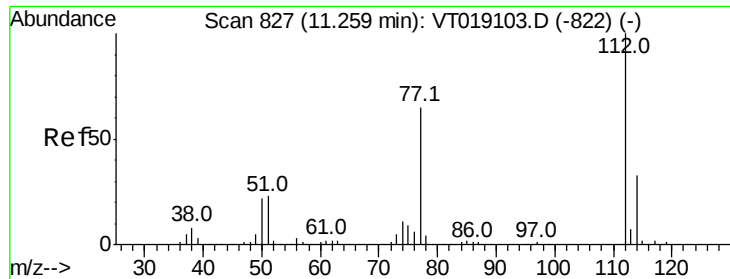
Abundance Ion 163.80 (163.50 to 164.50): V

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

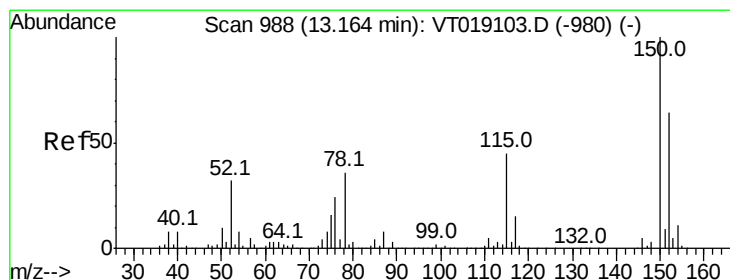
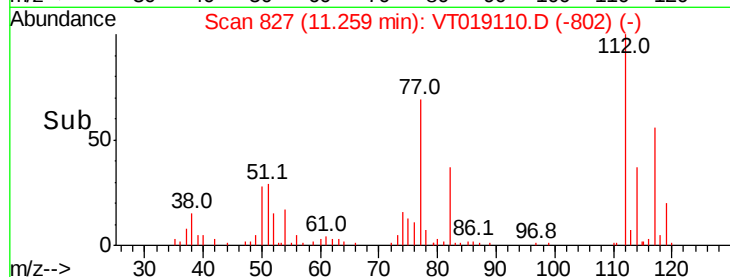
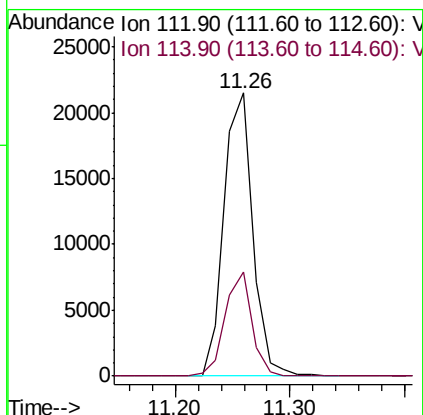
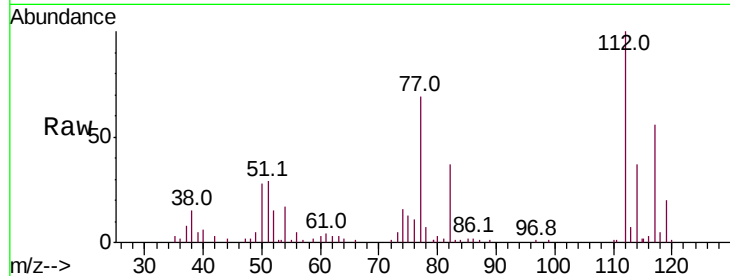




#17
Chlorobenzene
Concen: 2.444 ug/l
RT: 11.26 min Scan# 827
Delta R.T. 0.00 min
Lab File: VT019110.D
Acq: 28 Nov 2018 17:51

Instrument :
MSVOA_T
ClientSampled :
MDL2

Tot Ion:112 Resp: 37547
Ion Ratio Lower Upper
112 100
114 36.9 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: VT019110.D
Acq: 28 Nov 2018 17:51

Tgt Ion:152 Resp: 326368
Ion Ratio Lower Upper
152 100
115 71.0 33.0 99.0
150 159.0 0.0 343.6

