

Data Path : Z:\VOASRV\HPCHEM1\MSVOA T\DATA\VT112818\
 Data File : VT019116.D
 Acq On : 28 Nov 2018 20:49
 Operator : SY/MD
 Sample : MDL8
 Misc : 5.0mL/MSVOA T/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 MDL8

Quant Time: Nov 29 06:34:06 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	254392	50.00	ug/l	0.00
7) 1,4-Difluorobenzene	8.38	114	524503	50.00	ug/l	0.00
15) Chlorobenzene-d5	11.22	117	490109	50.00	ug/l	-0.01
18) 1,4-Dichlorobenzene-d4	13.16	152	235755	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
6) 1,2-Dichloroethane-d4	7.82	65	327018	65.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	130.88%	
8) Dibromofluoromethane	7.37	113	177682	52.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.26%	
13) Toluene-d8	9.91	98	807115	54.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.20%	
14) 4-Bromofluorobenzene	12.23	95	294322	52.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.90%	

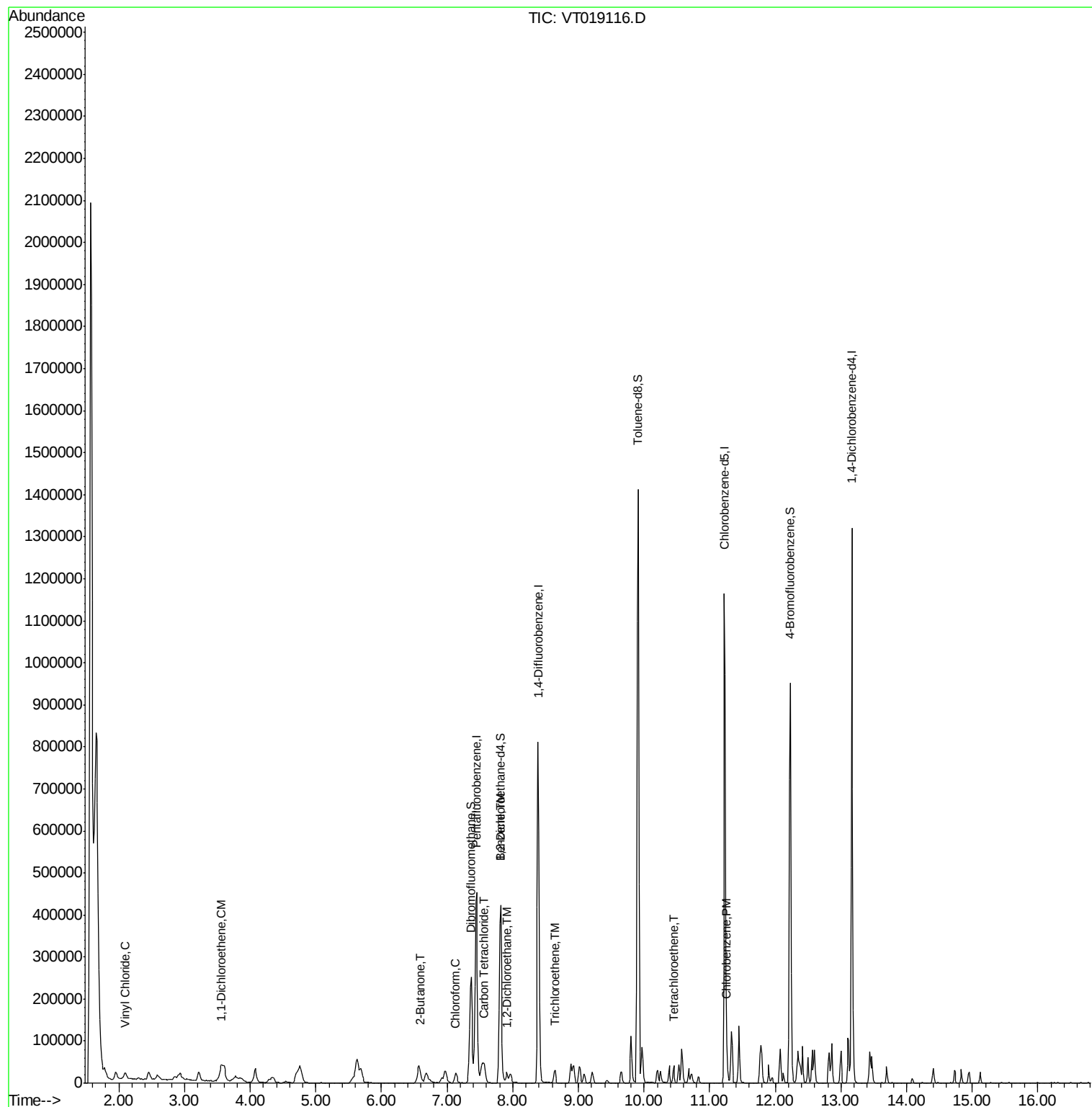
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Vinyl Chloride	2.10	62	25974	3.349	ug/l	98
3) 1,1-Dichloroethene	3.56	96	18459	3.460	ug/l	90
4) 2-Butanone	6.59	43	34606	14.489	ug/l #	90
5) Chloroform	7.13	83	21615	3.094	ug/l	99
9) Carbon Tetrachloride	7.56	117	15372	2.733	ug/l	85
10) Benzene	7.82	78	49654	2.714	ug/l	97
11) 1,2-Dichloroethane	7.91	62	20223	3.026	ug/l	94
12) Trichloroethene	8.64	130	8527	2.381	ug/l	79
16) Tetrachloroethene	10.45	164	6722	2.462	ug/l	88
17) Chlorobenzene	11.26	112	26893	2.419	ug/l	89

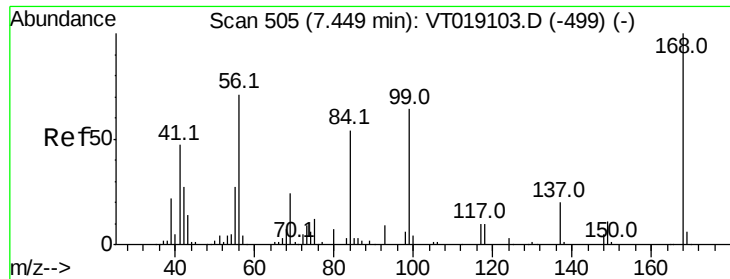
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA T\DATA\VT112818\
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 29 06:34:06 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: VT019116.D

Acq: 28 Nov 2018 20:49

Instrument :

MSVOA_T

ClientSampleId :

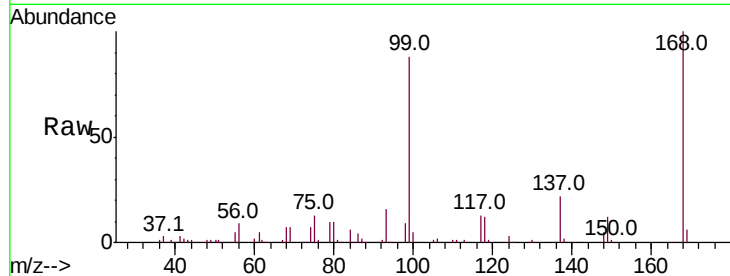
MDL8

Tot Ion:168 Resp: 254392

Ion Ratio Lower Upper

168 100

99 87.8 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

120000

100000

80000

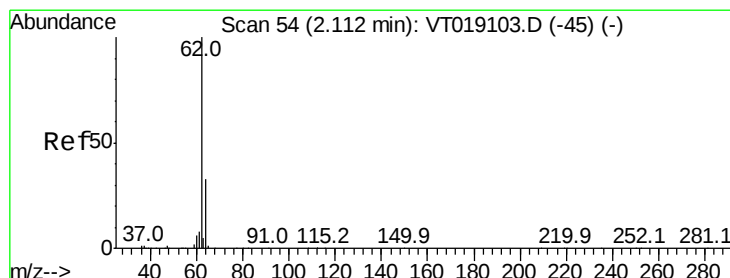
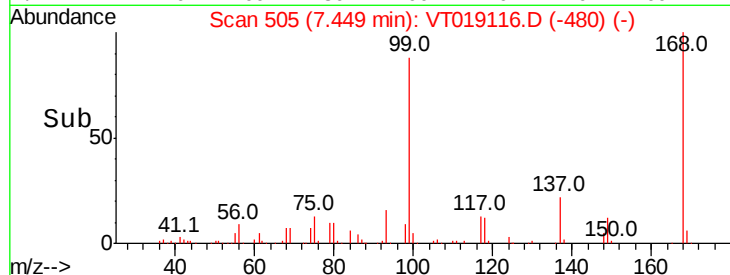
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#2

Vinyl Chloride

Concen: 3.349 ug/l

RT: 2.10 min Scan# 53

Delta R.T. -0.01 min

Lab File: VT019116.D

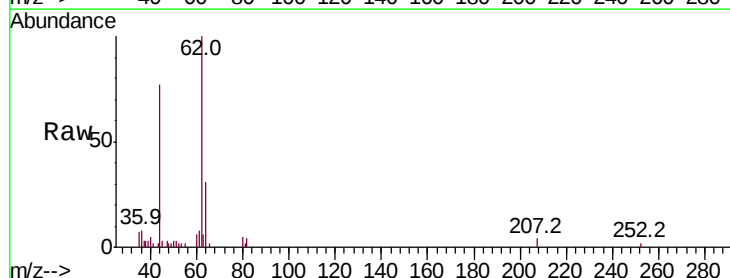
Acq: 28 Nov 2018 20:49

Tgt Ion: 62 Resp: 25974

Ion Ratio Lower Upper

62 100

64 31.3 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

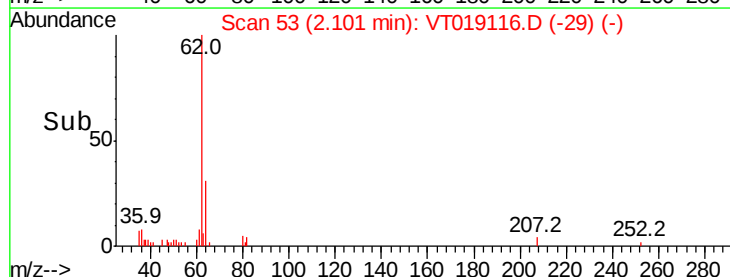
6000

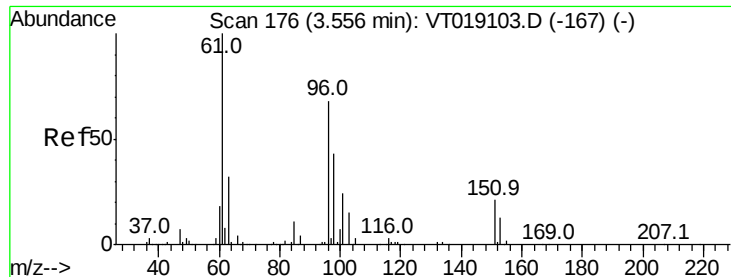
4000

2000

0

Time--> 2.00 2.10 2.20 2.30





#3

1,1-Dichloroethene

Concen: 3.460 ug/l

RT: 3.56 min Scan# 176

Delta R.T. 0.00 min

Lab File: VT019116.D

Acq: 28 Nov 2018 20:49

Instrument :

MSVOA_T

ClientSampleId :

MDL8

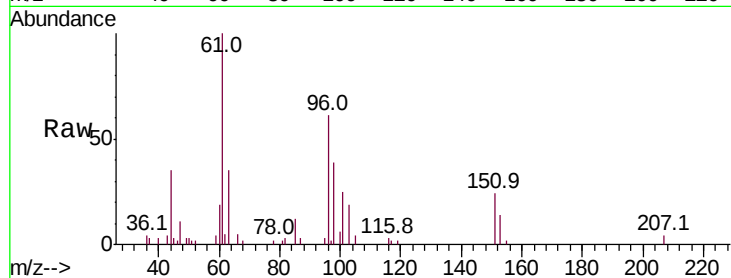
Tot Ion: 96 Resp: 18459

Ion Ratio Lower Upper

96 100

61 164.2 117.8 176.8

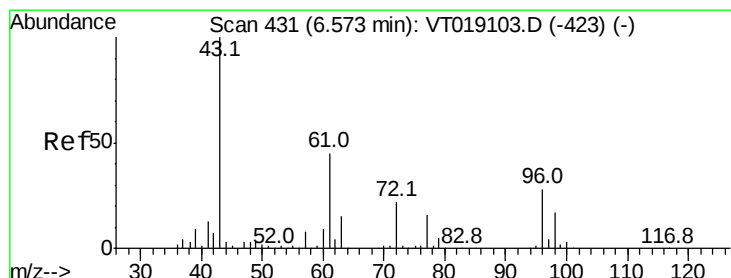
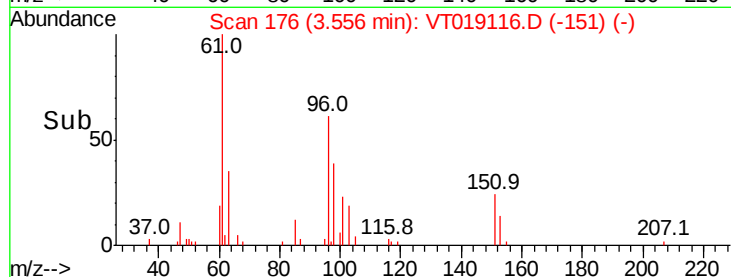
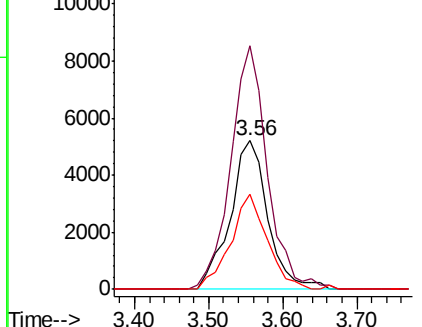
98 64.5 51.0 76.6



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: 14.489 ug/l

RT: 6.59 min Scan# 432

Delta R.T. 0.01 min

Lab File: VT019116.D

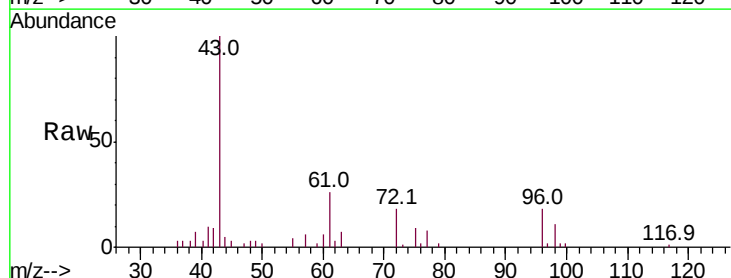
Acq: 28 Nov 2018 20:49

Tgt Ion: 43 Resp: 34606

Ion Ratio Lower Upper

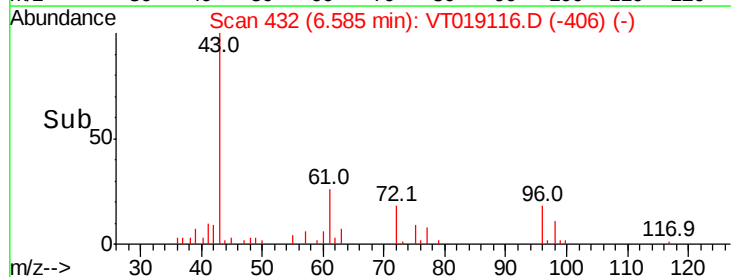
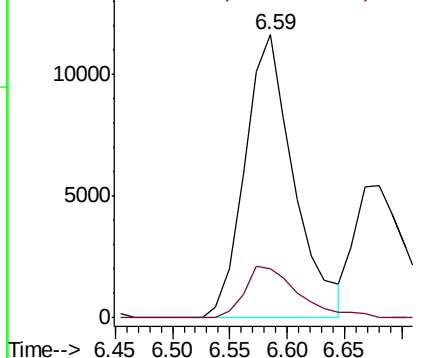
43 100

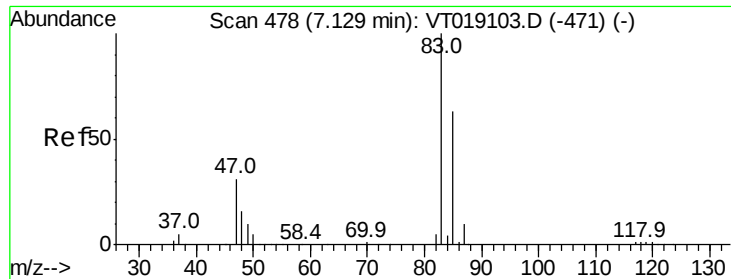
72 17.6 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VT0

Ion 72.00 (71.70 to 72.70): VT0





#5

Chloroform

Concen: 3.094 ug/l

RT: 7.13 min Scan# 478

Delta R.T. 0.00 min

Lab File: VT019116.D

Acq: 28 Nov 2018 20:49

Instrument :

MSVOA_T

ClientSampled :

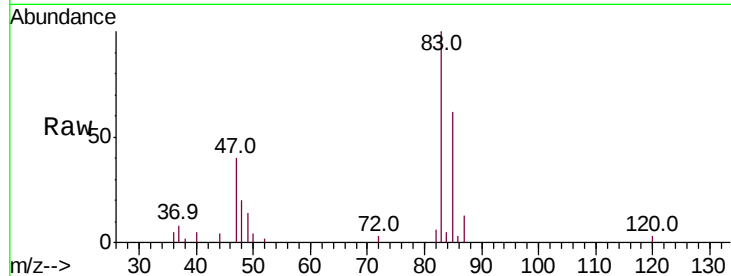
MDL8

Tot Ion: 83 Resp: 21615

Ion Ratio Lower Upper

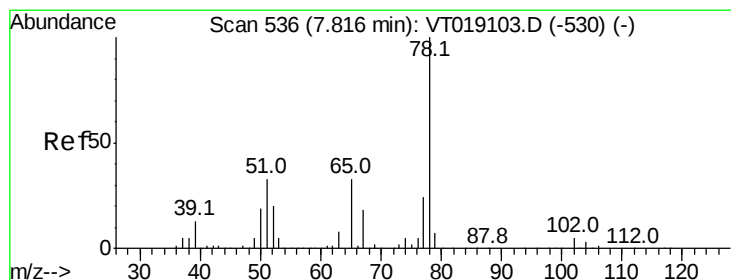
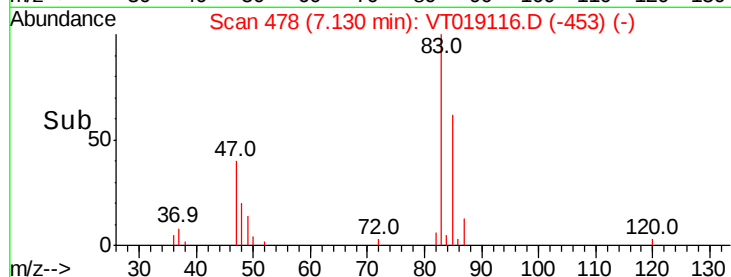
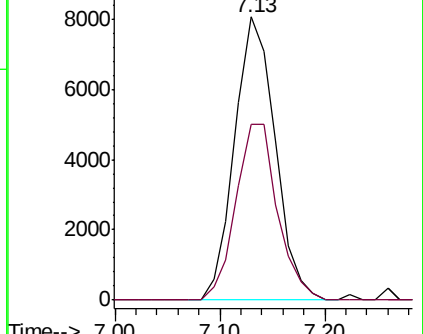
83 100

85 62.1 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: 65.436 ug/l

RT: 7.82 min Scan# 536

Delta R.T. 0.00 min

Lab File: VT019116.D

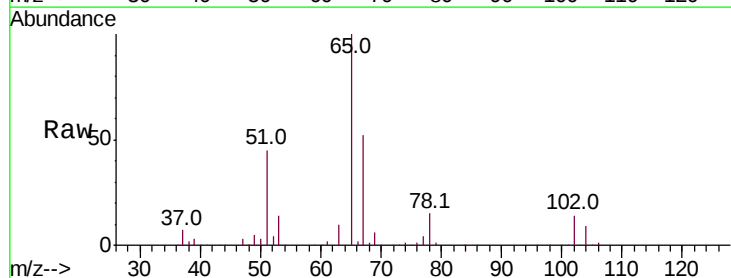
Acq: 28 Nov 2018 20:49

Tgt Ion: 65 Resp: 327018

Ion Ratio Lower Upper

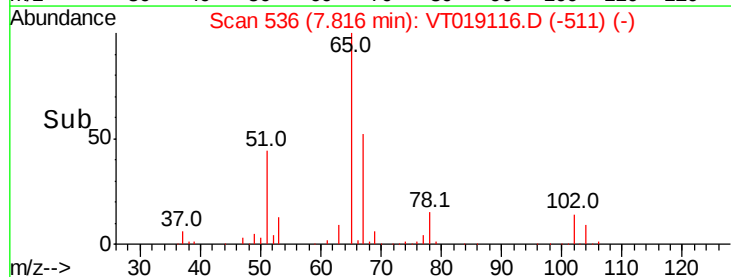
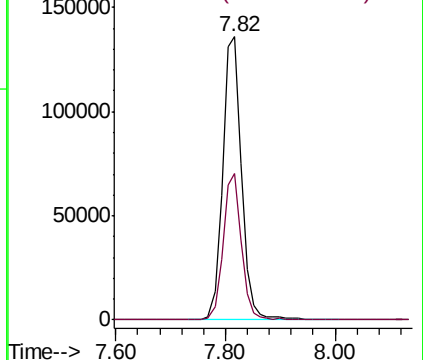
65 100

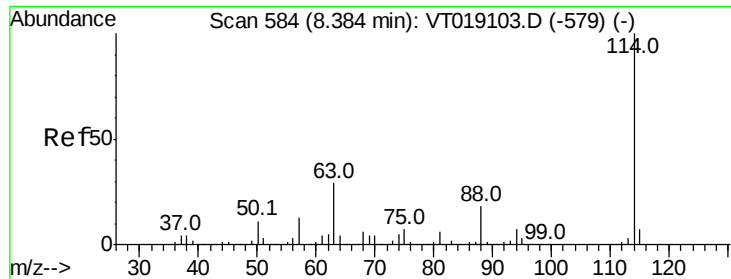
67 50.2 0.0 108.0



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: VT019116.D

Acq: 28 Nov 2018 20:49

Instrument :

MSVOA_T

ClientSampleId :

MDL8

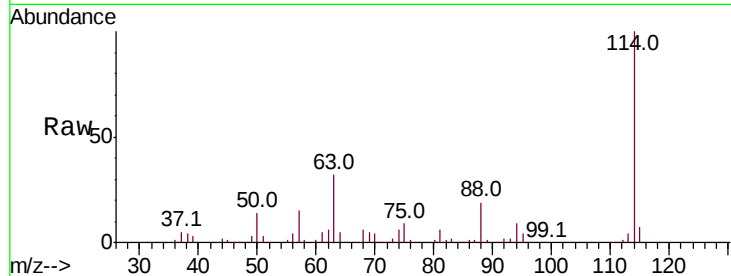
Tot Ion:114 Resp: 524503

Ion Ratio Lower Upper

114 100

63 32.0 0.0 57.4

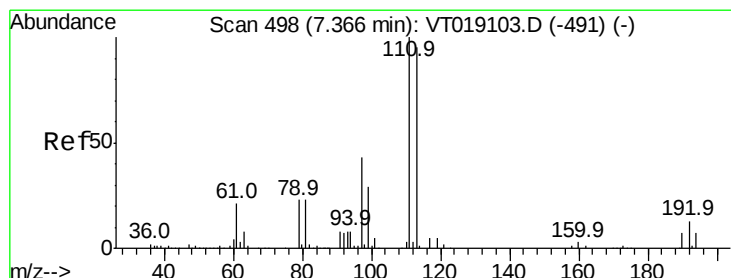
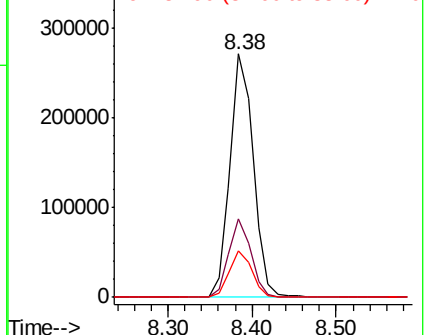
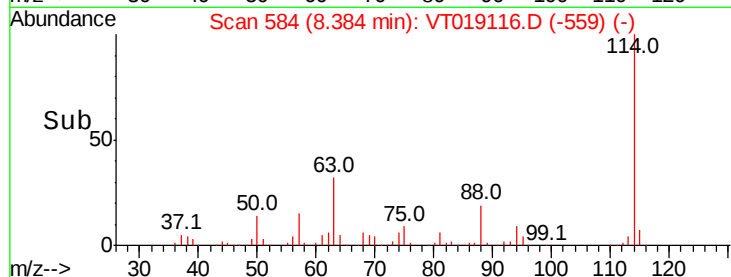
88 18.9 0.0 37.0



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: 52.630 ug/l

RT: 7.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VT019116.D

Acq: 28 Nov 2018 20:49

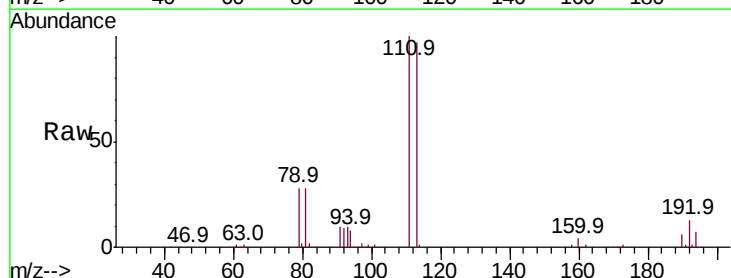
Tgt Ion:113 Resp: 177682

Ion Ratio Lower Upper

113 100

111 104.6 83.9 125.9

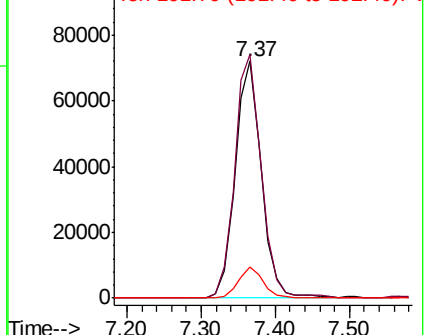
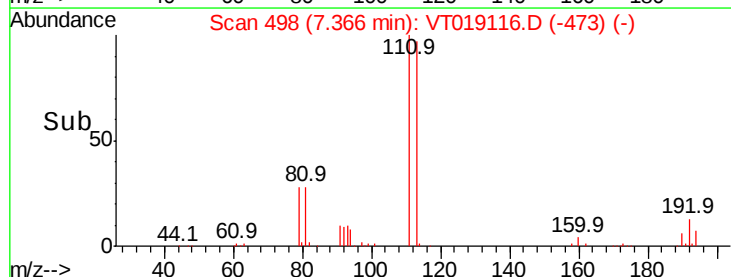
192 12.6 11.5 17.3

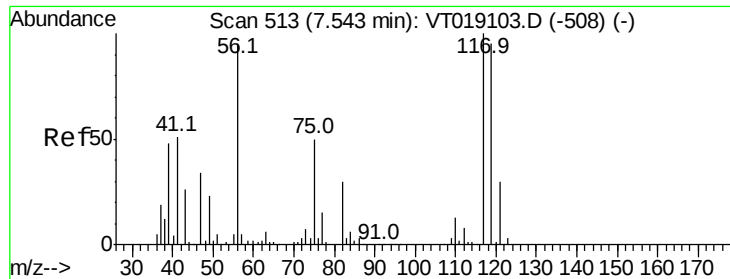


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#9

Carbon Tetrachloride

Concen: 2.733 ug/l

RT: 7.56 min Scan# 514

Delta R.T. 0.01 min

Lab File: VT019116.D

Acq: 28 Nov 2018 20:49

Instrument :

MSVOA_T

ClientSampleId :

MDL8

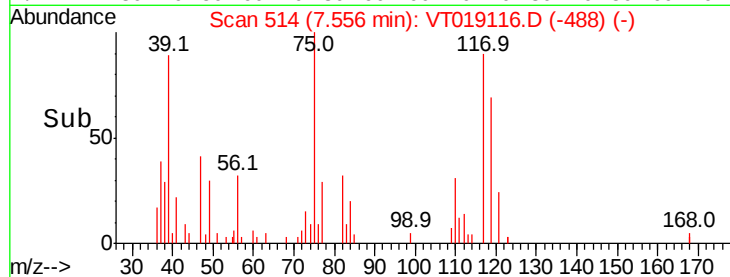
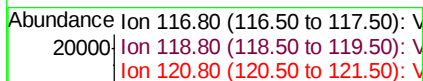
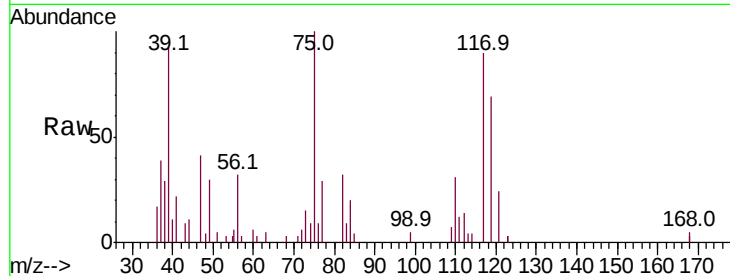
Tot Ion:117 Resp: 15372

Ion Ratio Lower Upper

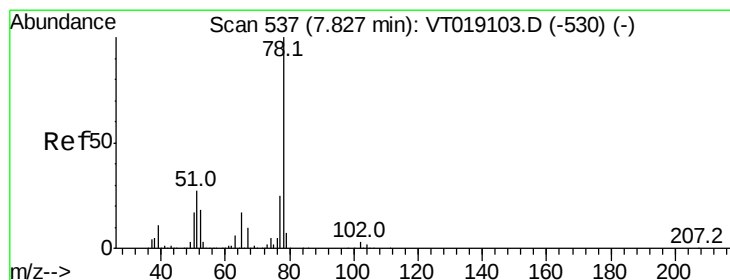
117 100

119 76.3 75.0 112.6

121 26.5 23.5 35.3



Time-->



#10

Benzene

Concen: 2.714 ug/l

RT: 7.82 min Scan# 536

Delta R.T. -0.01 min

Lab File: VT019116.D

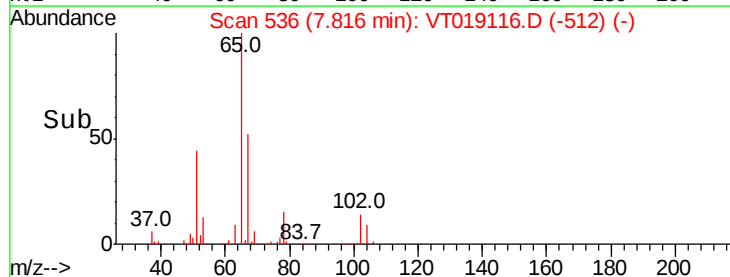
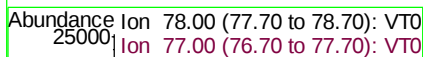
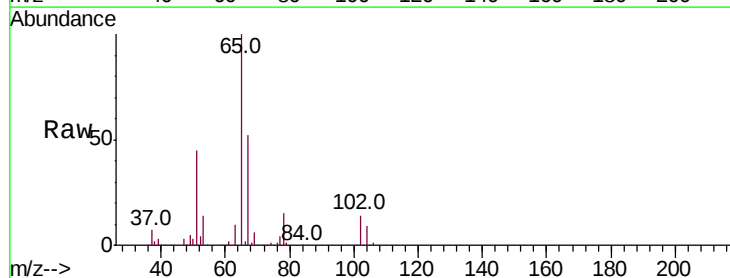
Acq: 28 Nov 2018 20:49

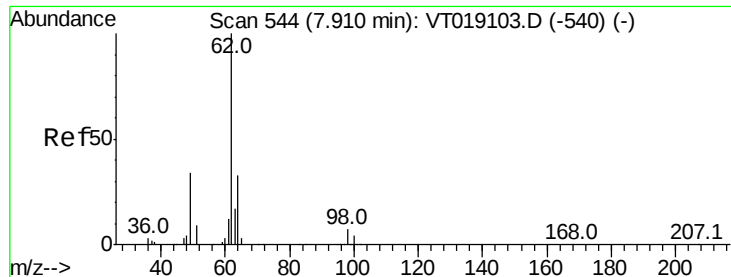
Tgt Ion: 78 Resp: 49654

Ion Ratio Lower Upper

78 100

77 23.0 19.7 29.5





#11

1,2-Dichloroethane

Concen: 3.026 ug/l

RT: 7.91 min Scan# 544

Delta R.T. 0.00 min

Lab File: VT019116.D

Acq: 28 Nov 2018 20:49

Instrument :

MSVOA_T

ClientSampled :

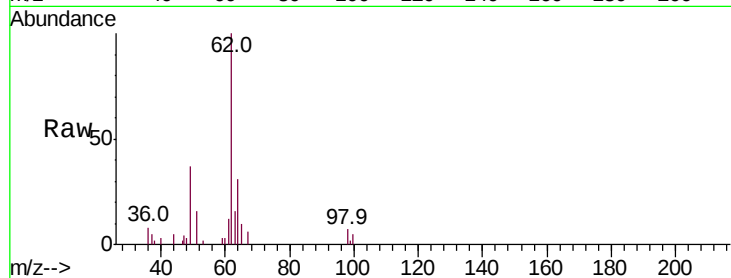
MDL8

Tot Ion: 62 Resp: 20223

Ion Ratio Lower Upper

62 100

98 5.1 0.0 14.6



Abundance Ion 61.90 (61.60 to 62.60): VT0

Ion 97.90 (97.60 to 98.60): VT0

7.91

10000

8000

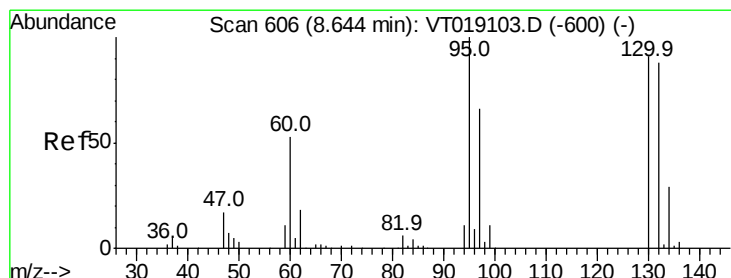
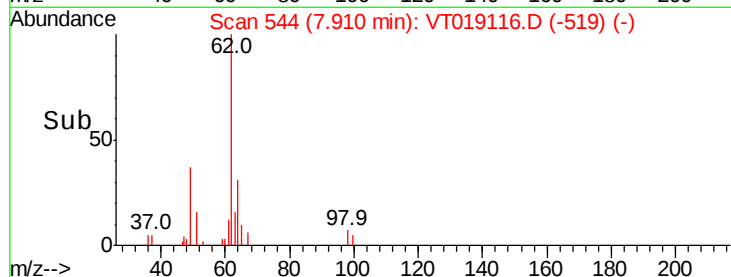
6000

4000

2000

0

Time--> 7.80 7.85 7.90 7.95 8.00



#12

Trichloroethene

Concen: 2.381 ug/l

RT: 8.64 min Scan# 606

Delta R.T. 0.00 min

Lab File: VT019116.D

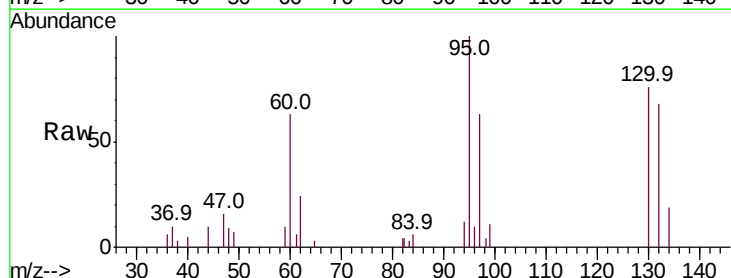
Acq: 28 Nov 2018 20:49

Tgt Ion:130 Resp: 8527

Ion Ratio Lower Upper

130 100

95 131.0 0.0 218.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VT0

8.64

6000

5000

4000

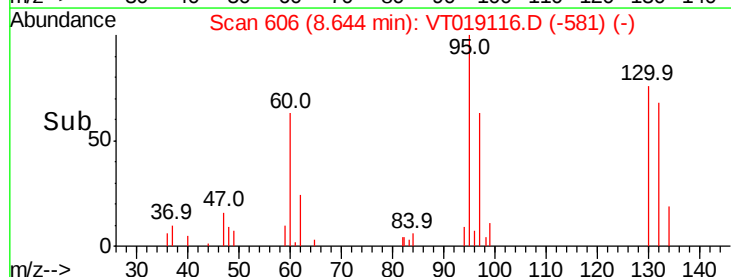
3000

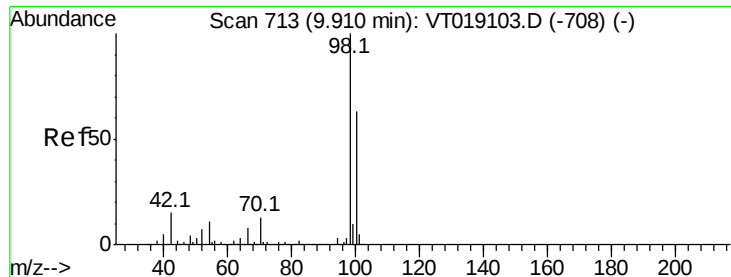
2000

1000

0

Time--> 8.55 8.60 8.65 8.70

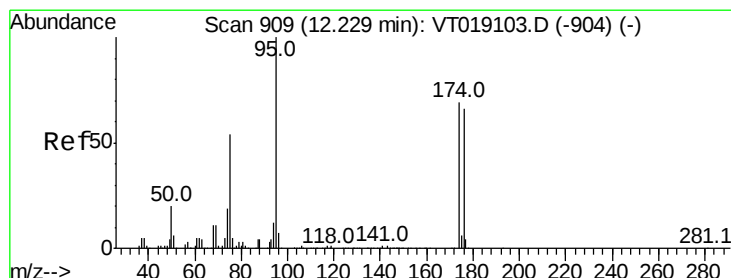
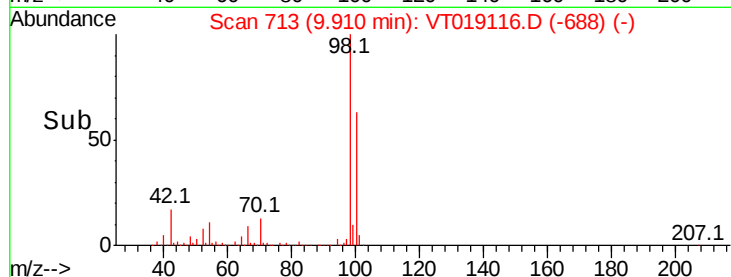
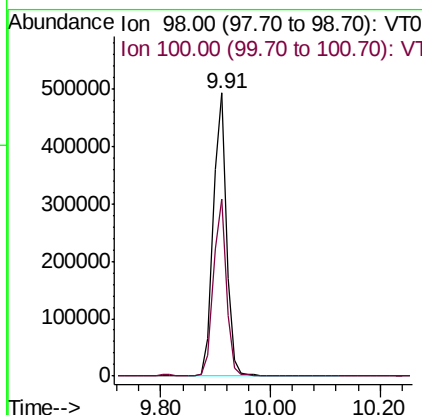
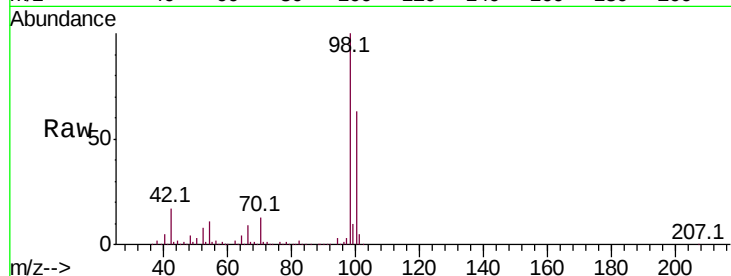




#13
Toluene-d8
Concen: 54.597 ug/l
RT: 9.91 min Scan# 713
Delta R.T. 0.00 min
Lab File: VT019116.D
Acq: 28 Nov 2018 20:49

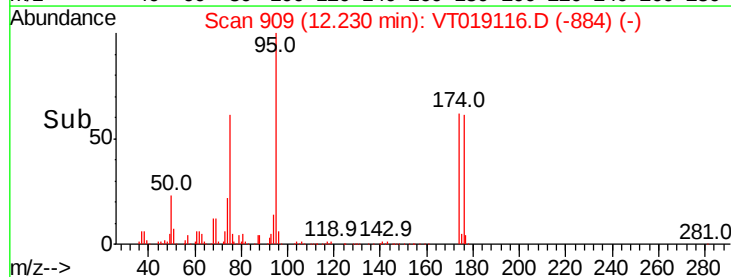
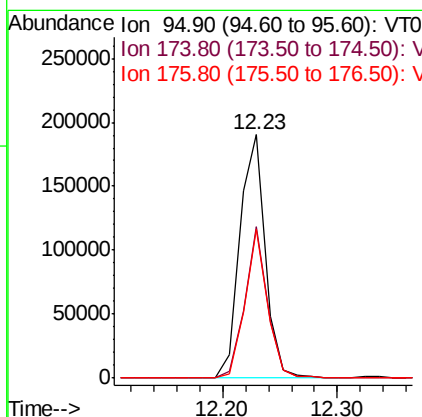
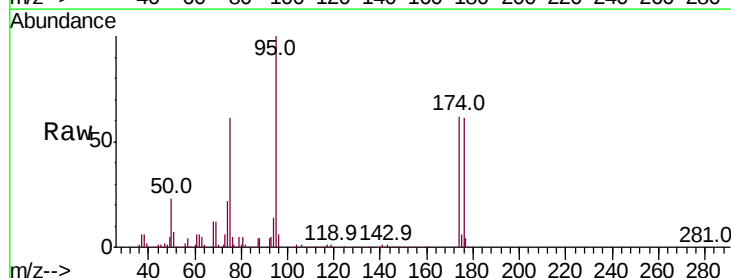
Instrument :
MSVOA_T
ClientSampled :
MDL8

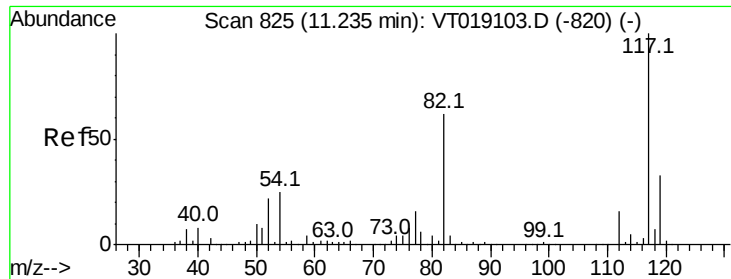
Tot Ion: 98 Resp: 807115
Ion Ratio Lower Upper
98 100
100 61.5 50.2 75.2



#14
4-Bromofluorobenzene
Concen: 52.949 ug/l
RT: 12.23 min Scan# 909
Delta R.T. 0.00 min
Lab File: VT019116.D
Acq: 28 Nov 2018 20:49

Tgt Ion: 95 Resp: 294322
Ion Ratio Lower Upper
95 100
174 55.5 0.0 123.2
176 54.3 0.0 118.8

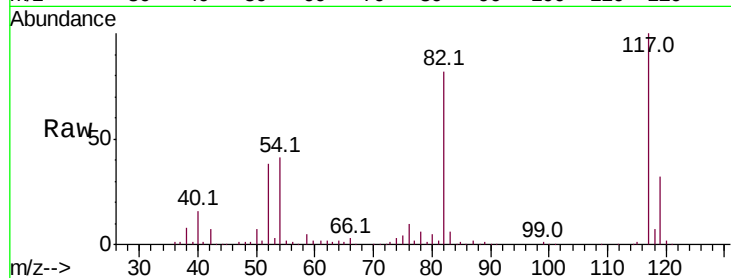




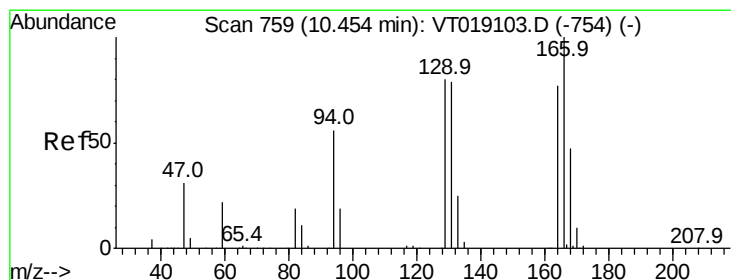
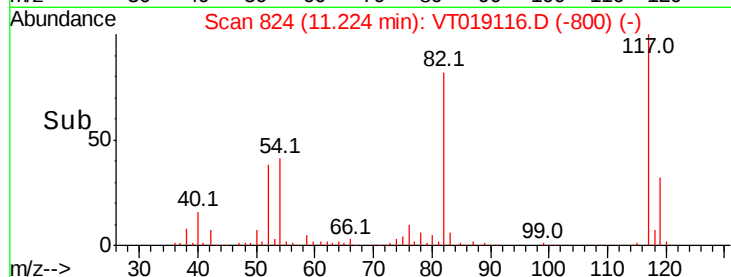
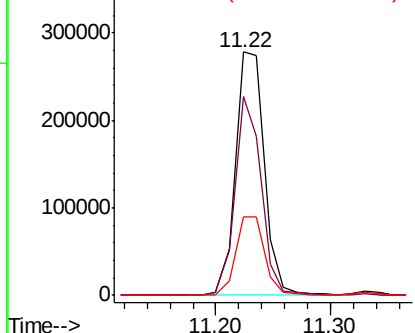
#15
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.22 min Scan# 824
Delta R.T. -0.01 min
Lab File: VT019116.D
Acq: 28 Nov 2018 20:49

Instrument :
MSVOA_T
ClientSampleId :
MDL8

Tot Ion:117 Resp: 490109
Ion Ratio Lower Upper
117 100
82 81.8 49.7 74.5#
119 32.1 26.3 39.5

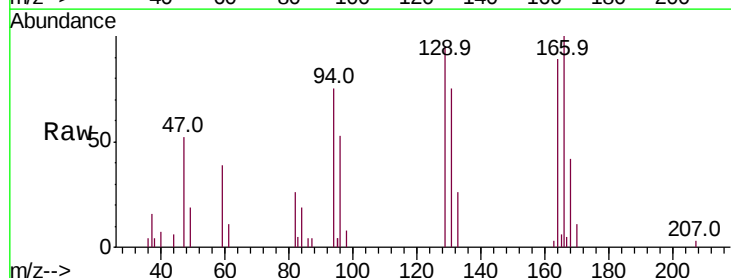


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VT0
Ion 118.90 (118.60 to 119.60): V

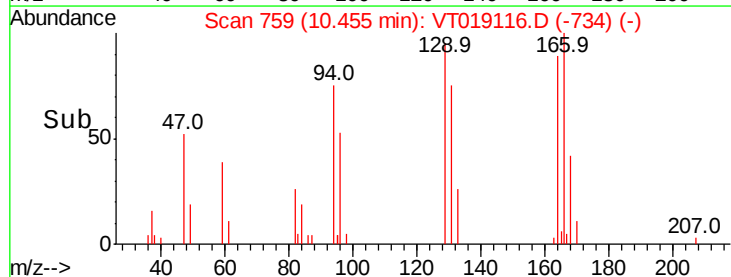
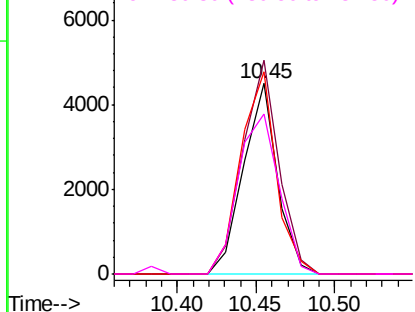


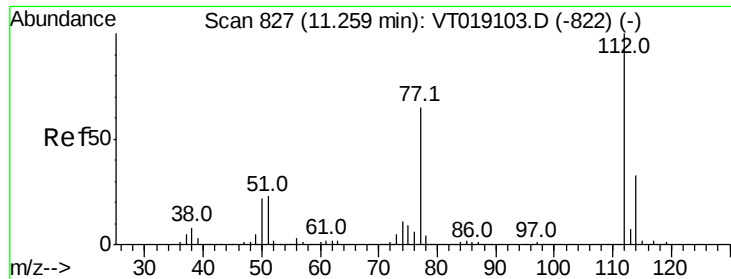
#16
Tetrachloroethene
Concen: 2.462 ug/l
RT: 10.45 min Scan# 759
Delta R.T. 0.00 min
Lab File: VT019116.D
Acq: 28 Nov 2018 20:49

Tgt Ion:164 Resp: 6722
Ion Ratio Lower Upper
164 100
166 112.3 103.6 155.4
129 106.6 82.9 124.3
131 84.0 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

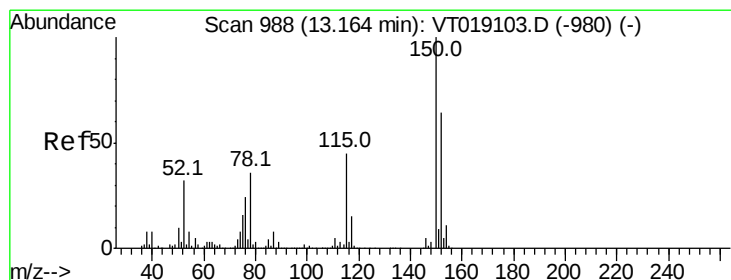
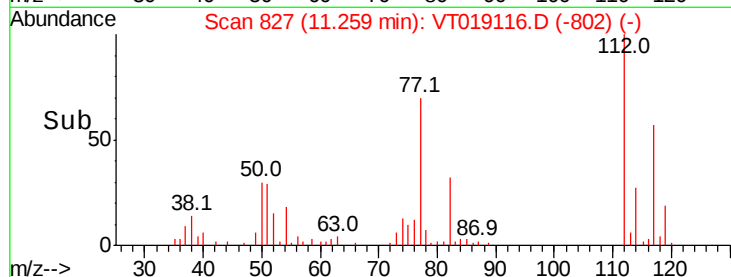
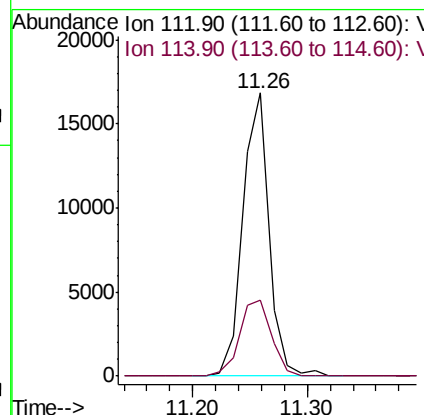
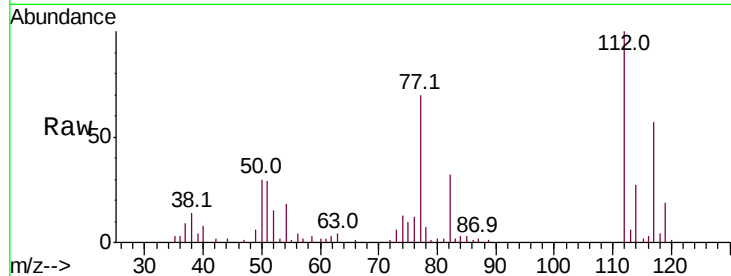




#17
Chlorobenzene
Concen: 2.419 ug/l
RT: 11.26 min Scan# 827
Delta R.T. 0.00 min
Lab File: VT019116.D
Acq: 28 Nov 2018 20:49

Instrument :
MSVOA_T
ClientSampleId :
MDL8

Tot Ion:112 Resp: 26893
Ion Ratio Lower Upper
112 100
114 26.9 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: VT019116.D
Acq: 28 Nov 2018 20:49

Tgt Ion:152 Resp: 235755
Ion Ratio Lower Upper
152 100
115 72.8 33.0 99.0
150 155.3 0.0 343.6

