

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
 Data File : VT019079.D
 Acq On : 10 May 2018 16:49
 Operator : SY/MD
 Sample : J2669-01RE
 Misc : 6.83g/5mL/MSVOA T/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :

Quant Time: May 11 02:26:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 10 07:01:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.45	168	400064	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	8.38	114	677782	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	319766	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	108503	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	223006	58.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.44%	
34) Dibromofluoromethane	7.35	113	195239	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
49) Toluene-d8	9.91	98	185569	11.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	22.80%	
61) 4-Bromofluorobenzene	12.23	95	135651	22.13	ug/l	0.01
Spiked Amount	50.000		Recovery	=	44.26%	

Target Compounds

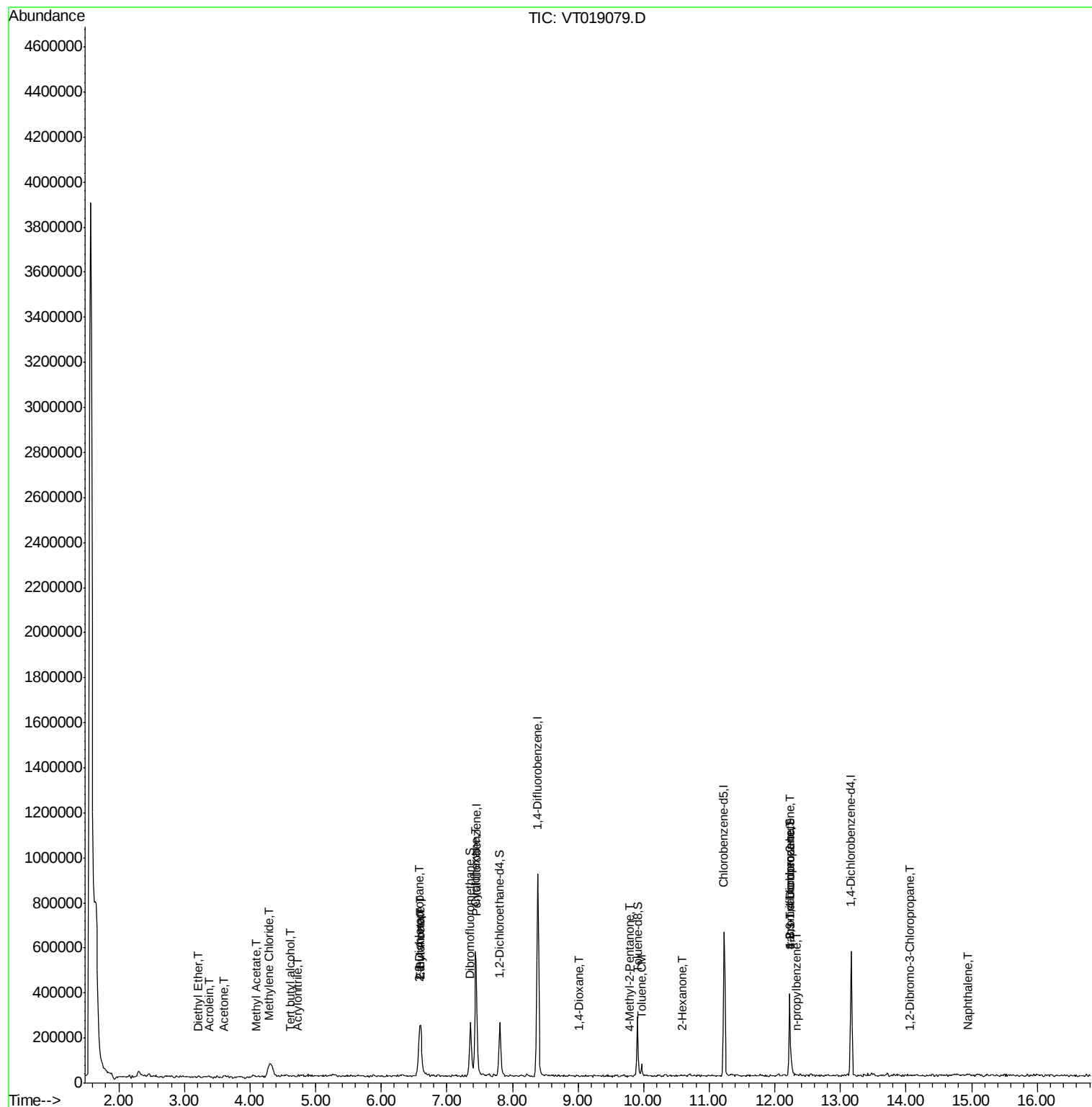
						Qvalue
8) Diethyl Ether	3.20	74	1574	1.37	ug/l	78
11) Tert butyl alcohol	4.61	59	3654	19.03	ug/l #	51
13) Acrolein	3.38	56	554	5.91	ug/l	99
15) Acrylonitrile	4.73	53	927	1.25	ug/l #	35
16) Acetone	3.60	43	14067	34.89	ug/l #	43
18) Methyl Acetate	4.09	43	6710	3.24	ug/l #	83
20) Methylene Chloride	4.29	84	71183	16.40	ug/l #	80
25) 2-Butanone	6.60	43	16505	18.18	ug/l #	88
26) 2,2-Dichloropropane	6.59	77	20354	5.53	ug/l #	51
30) Cyclohexane	7.44	56	11277	1.14	ug/l #	1
36) Ethyl Acetate	6.60	43	16505	8.20	ug/l #	28
48) 1,4-Dioxane	9.01	88	414	8.00	ug/l #	1
50) 4-Methyl-2-Pentanone	9.78	43	2266	1.19	ug/l	91
51) Toluene	9.97	92	17389	1.47	ug/l	81
58) 2-Hexanone	10.58	43	1412	1.02	ug/l #	20
75) 1,2,3-Trichloropropane	12.23	75	68492	74.22	ug/l #	35
77) n-propylbenzene	12.32	91	216	1.25	ug/l	92
80) trans-1,4-Dichloro-2-buten	12.23	75	68504	197.37	ug/l #	15
91) 1,2-Dibromo-3-Chloropropan	14.06	75	309	1.66	ug/l #	50
94) Naphthalene	14.94	128	7204	2.18	ug/l #	94

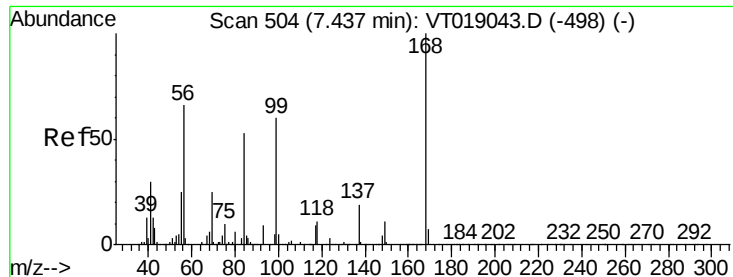
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 10 07:01:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 505

Delta R.T. 0.01 min

Lab File: VT019079.D

Acq: 10 May 2018 16:49

Instrument :

MSVOA_T

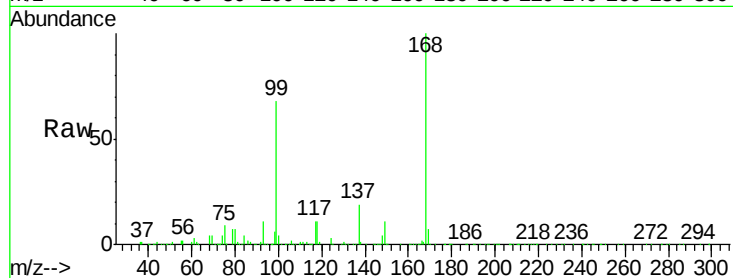
ClientSampled :

Tot Ion:168 Resp: 400064

Ion Ratio Lower Upper

168 100

99 67.9 59.0 88.4



Abundance Ion 168.00 (167.70 to 168.70): VT0

Ion 99.00 (98.70 to 99.70): VT0

7.45

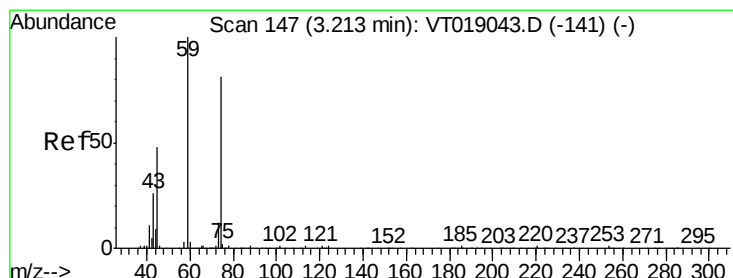
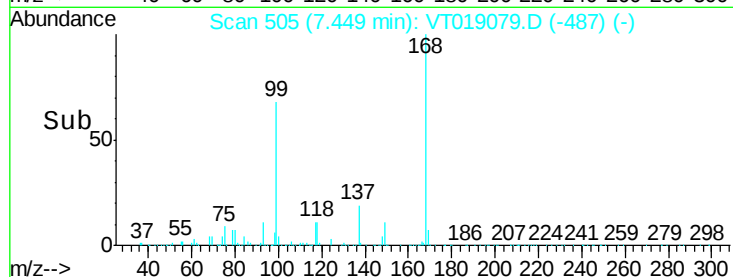
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.37 ug/l

RT: 3.20 min Scan# 146

Delta R.T. -0.01 min

Lab File: VT019079.D

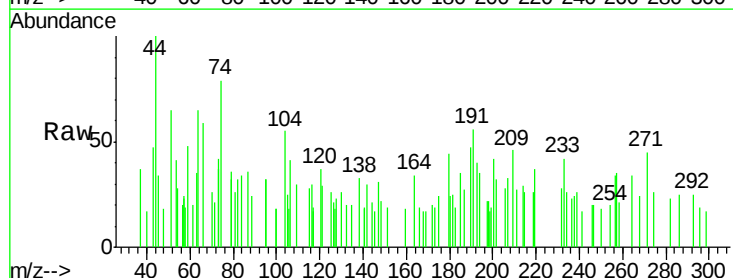
Acq: 10 May 2018 16:49

Tgt Ion: 74 Resp: 1574

Ion Ratio Lower Upper

74 100

45 42.9 29.8 89.4



Abundance Ion 74.10 (73.80 to 74.80): VT0

Ion 45.10 (44.80 to 45.80): VT0

3.20

800

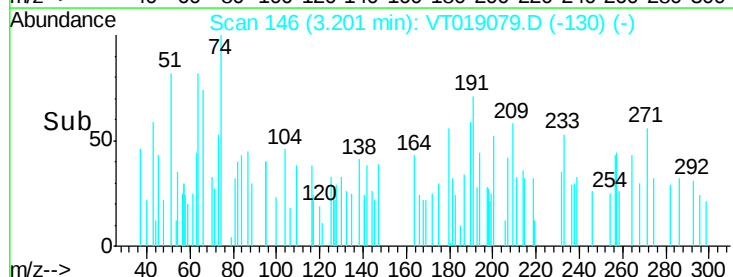
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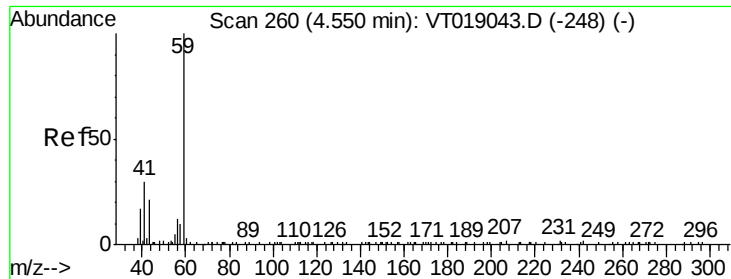
400

200

0

Time-->



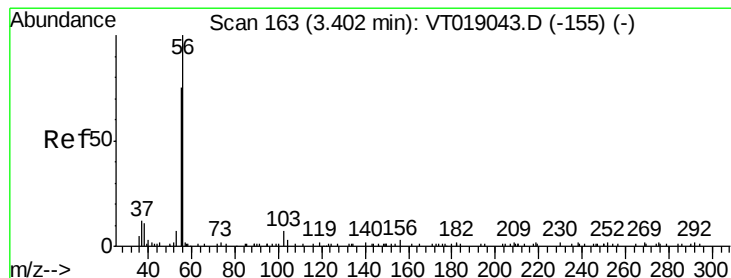
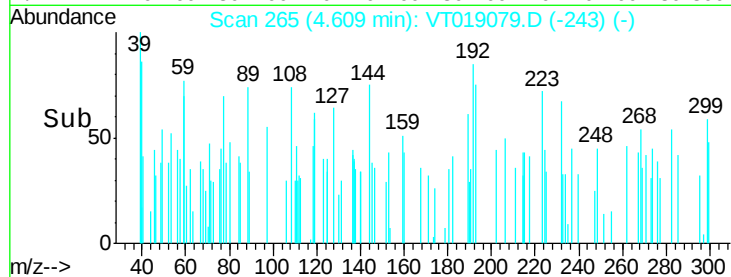
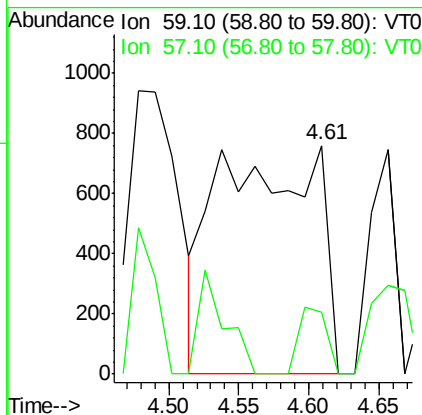
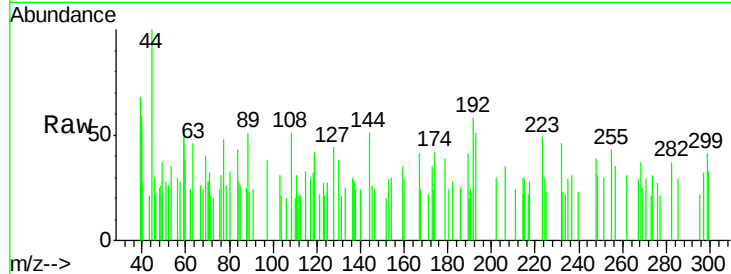


#11

Tert butyl alcohol
 Concen: 19.03 ug/l
 RT: 4.61 min Scan# 265
 Delta R.T. 0.06 min
 Lab File: VT019079.D
 Acq: 10 May 2018 16:49

Instrument :
 MSVOA_T
 ClientSampled :

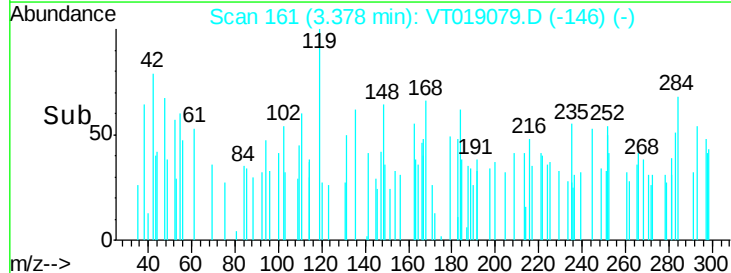
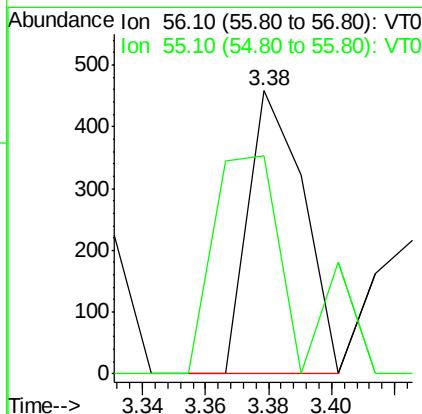
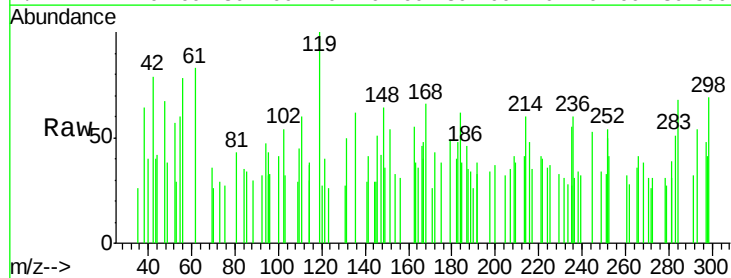
Tot Ion: 59 Resp: 3654
 Ion Ratio Lower Upper
 59 100
 57 27.4 7.7 11.5#

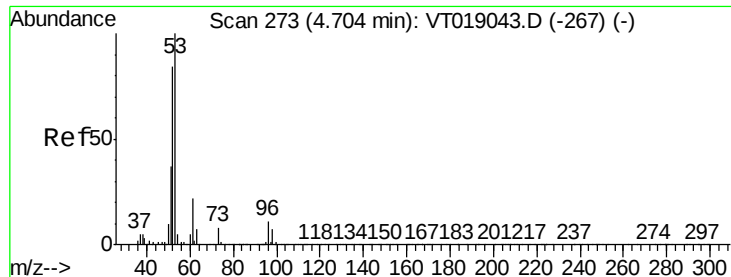


#13

Acrolein
 Concen: 5.91 ug/l
 RT: 3.38 min Scan# 161
 Delta R.T. -0.02 min
 Lab File: VT019079.D
 Acq: 10 May 2018 16:49

Tgt Ion: 56 Resp: 554
 Ion Ratio Lower Upper
 56 100
 55 77.1 60.8 91.2





#15

Acrylonitrile

Concen: 1.25 ug/l

RT: 4.73 min Scan# 275

Delta R.T. 0.02 min

Lab File: VT019079.D

Acq: 10 May 2018 16:49

Instrument :
MSVOA_T
ClientSampleId :

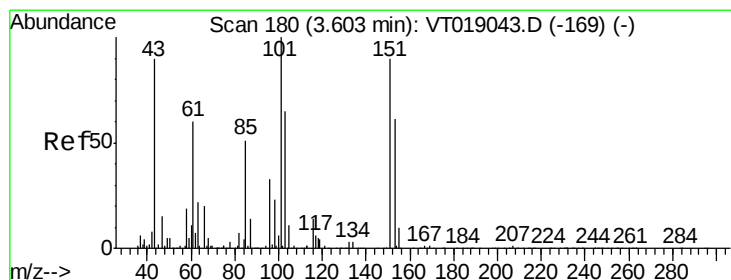
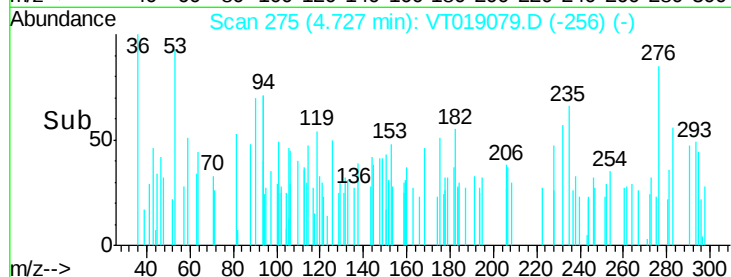
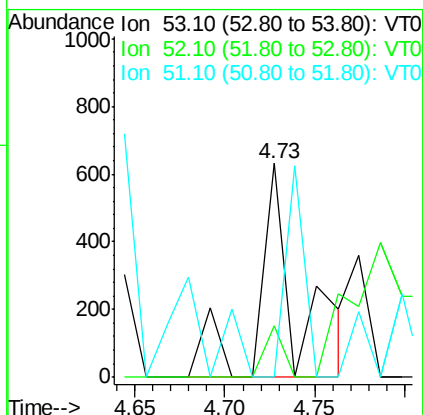
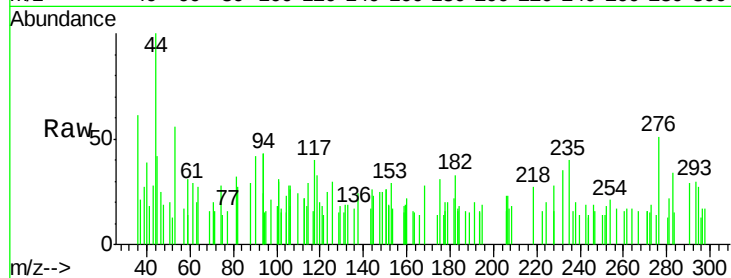
Tot Ion: 53 Resp: 927

Ion Ratio Lower Upper

53 100

52 23.9 67.4 101.0#

51 0.0 29.6 44.4#



#16

Acetone

Concen: 34.89 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019079.D

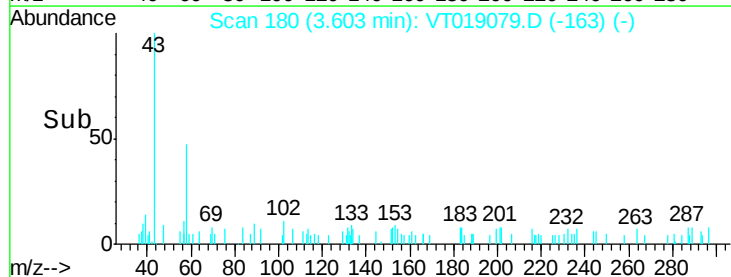
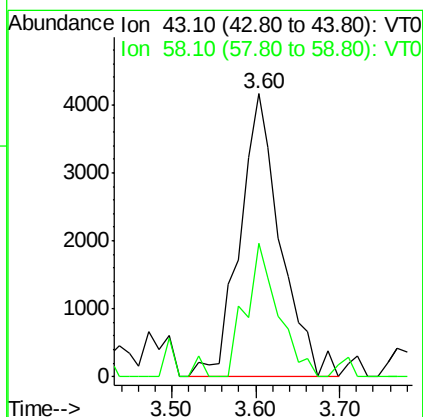
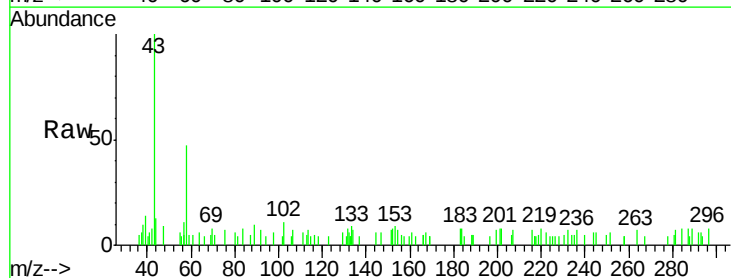
Acq: 10 May 2018 16:49

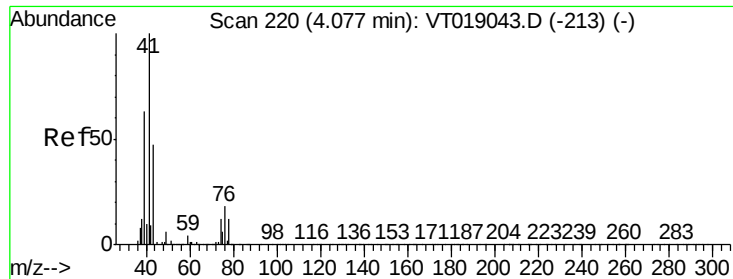
Tgt Ion: 43 Resp: 14067

Ion Ratio Lower Upper

43 100

58 47.3 16.7 25.1#

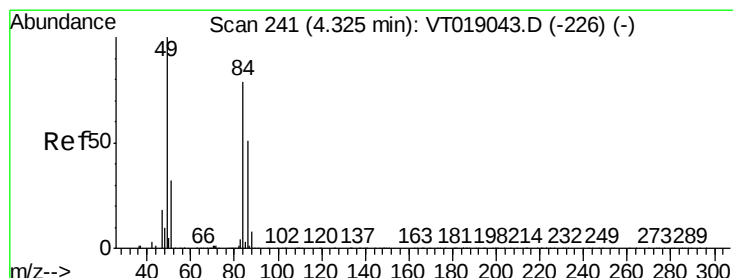
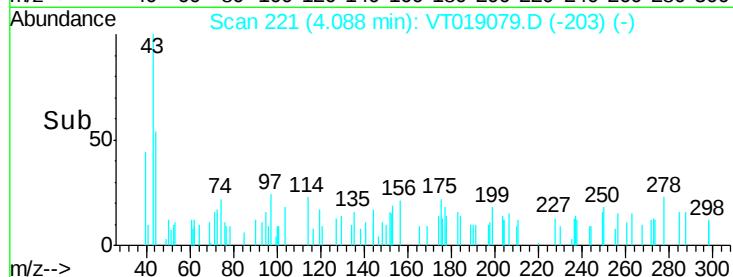
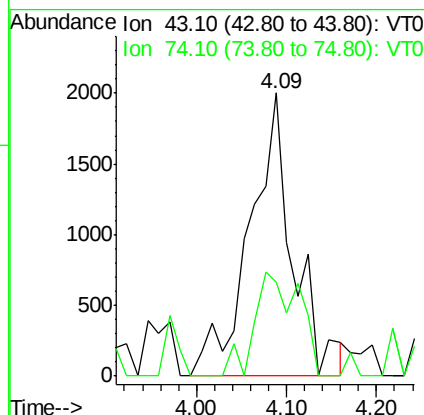
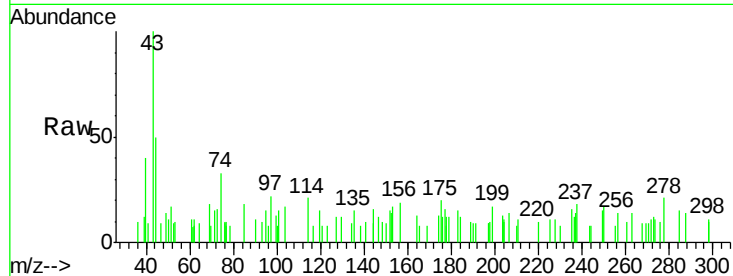




#18
Methyl Acetate
Concen: 3.24 ug/l
RT: 4.09 min Scan# 221
Delta R.T. 0.01 min
Lab File: VT019079.D
Acq: 10 May 2018 16:49

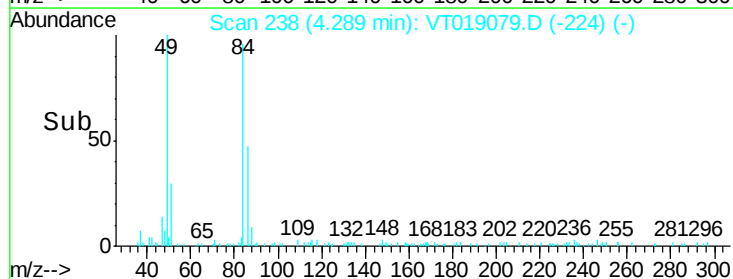
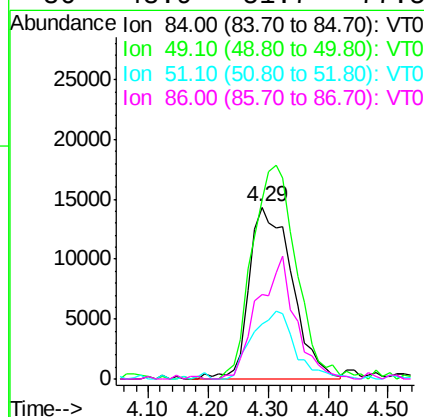
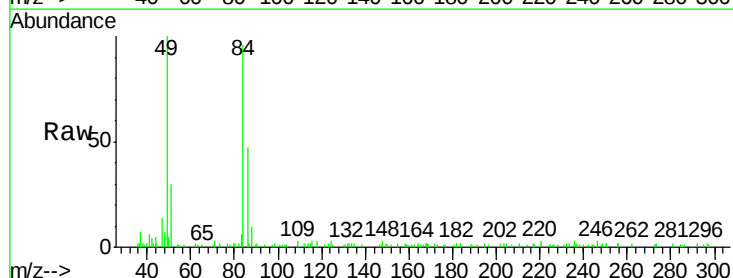
Instrument :
MSVOA_T
ClientSampled :

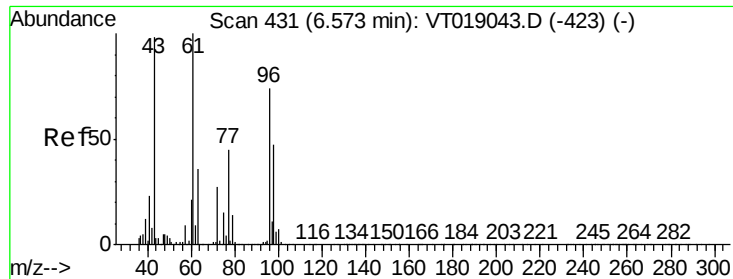
Tot Ion: 43 Resp: 6710
Ion Ratio Lower Upper
43 100
74 33.1 19.8 29.8#



#20
Methylene Chloride
Concen: 16.40 ug/l
RT: 4.29 min Scan# 238
Delta R.T. -0.04 min
Lab File: VT019079.D
Acq: 10 May 2018 16:49

Tgt Ion: 84 Resp: 71183
Ion Ratio Lower Upper
84 100
49 104.5 103.0 154.4
51 31.7 33.3 49.9#
86 48.9 51.7 77.5#





#25

2-Butanone

Concen: 18.18 ug/l

RT: 6.60 min Scan# 433

Delta R.T. 0.02 min

Lab File: VT019079.D

Acq: 10 May 2018 16:49

Instrument :

MSVOA_T

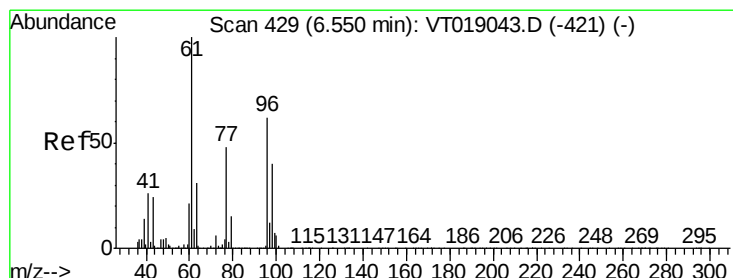
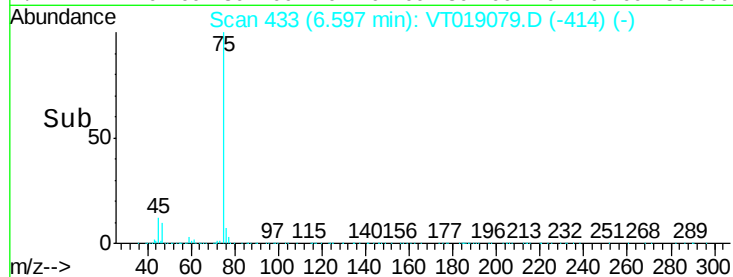
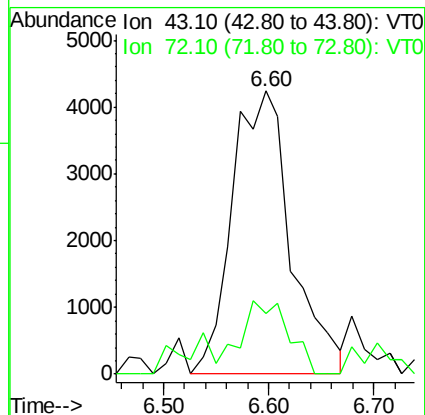
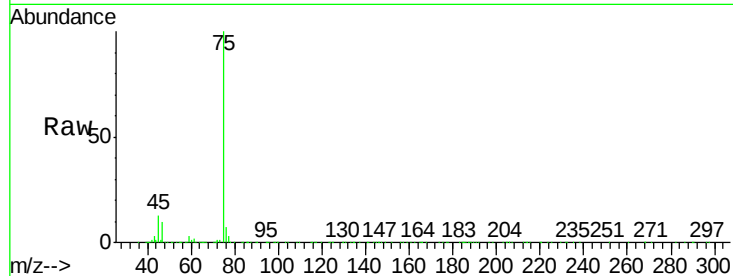
ClientSampleId :

Tot Ion: 43 Resp: 16505

Ion Ratio Lower Upper

43 100

72 21.3 22.1 33.1#



#26

2,2-Dichloropropane

Concen: 5.53 ug/l

RT: 6.59 min Scan# 432

Delta R.T. 0.04 min

Lab File: VT019079.D

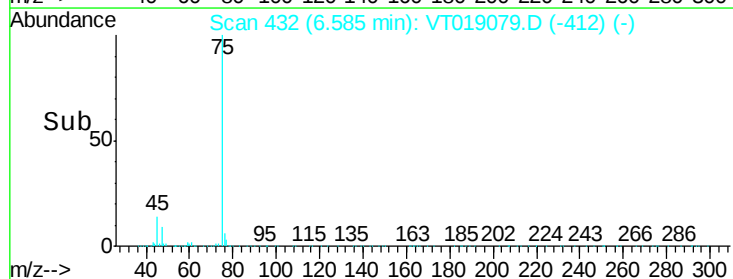
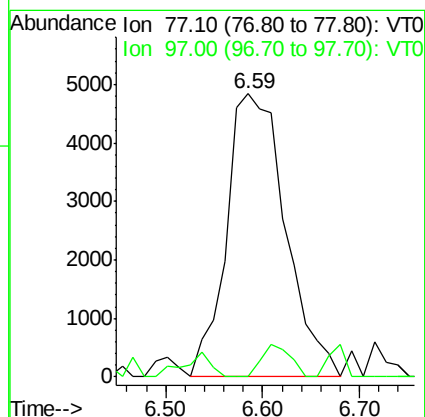
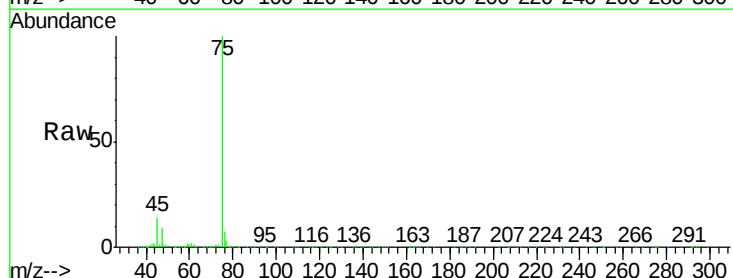
Acq: 10 May 2018 16:49

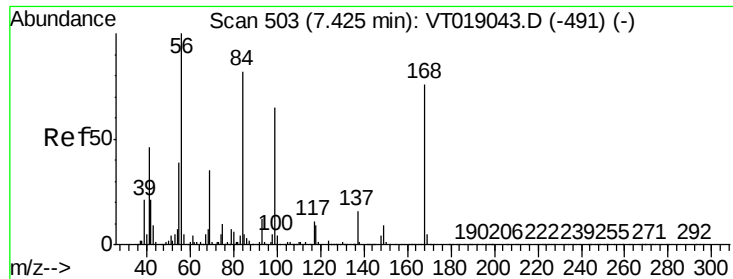
Tgt Ion: 77 Resp: 20354

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.4#

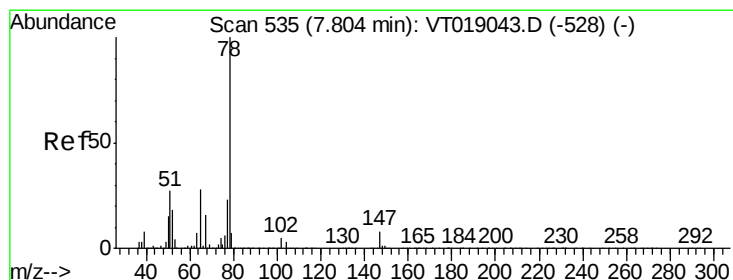
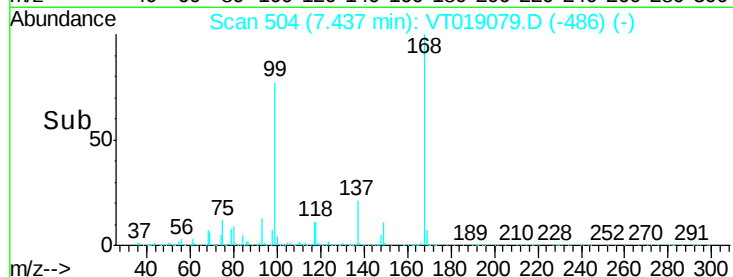
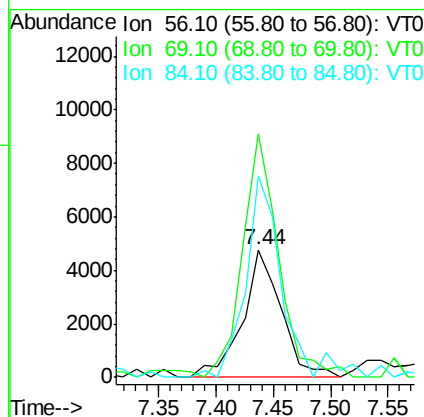
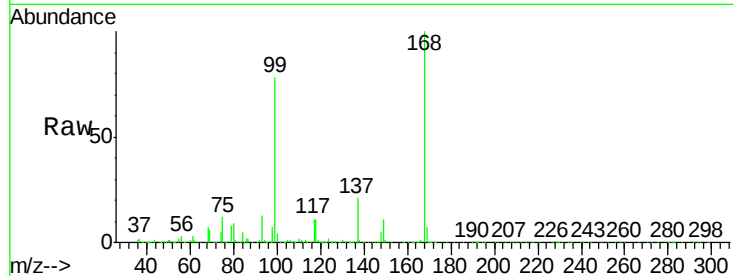




#30
Cyclohexane
Concen: 1.14 ug/l
RT: 7.44 min Scan# 504
Delta R.T. 0.01 min
Lab File: VT019079.D
Acq: 10 May 2018 16:49

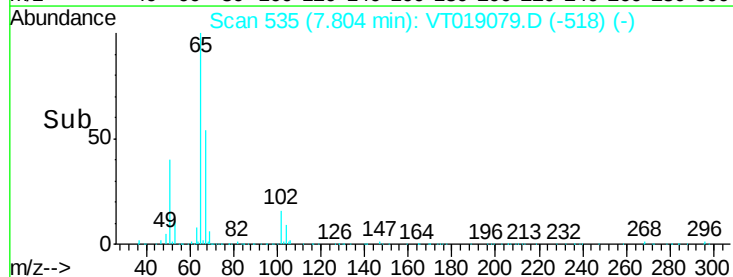
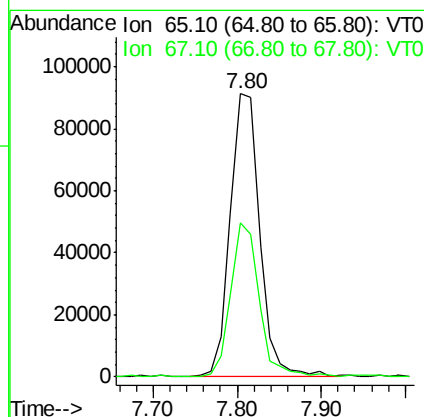
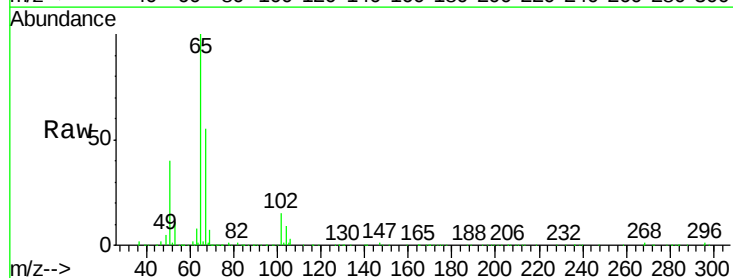
Instrument :
MSVOA_T
ClientSampled :

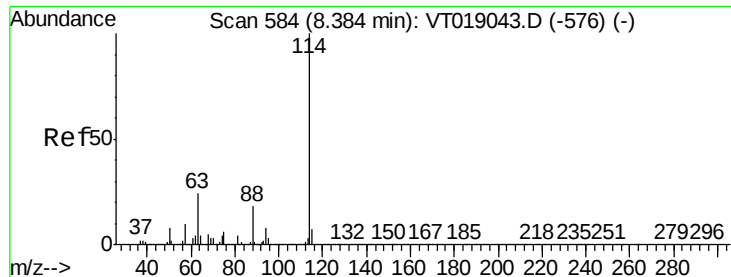
Tot Ion: 56 Resp: 11277
Ion Ratio Lower Upper
56 100
69 190.6 28.2 42.2#
84 157.8 65.6 98.4#



#32
1,2-Dichloroethane-d4
Concen: 58.72 ug/l
RT: 7.80 min Scan# 535
Delta R.T. -0.00 min
Lab File: VT019079.D
Acq: 10 May 2018 16:49

Tgt Ion: 65 Resp: 223006
Ion Ratio Lower Upper
65 100
67 54.6 0.0 114.2

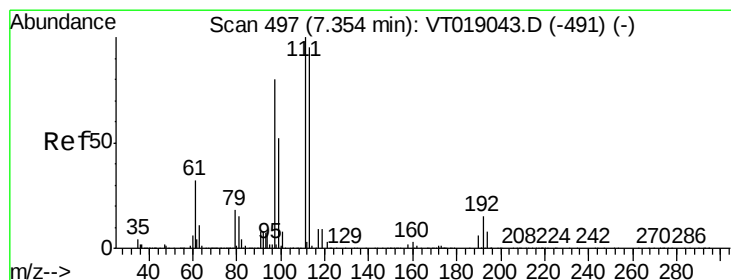
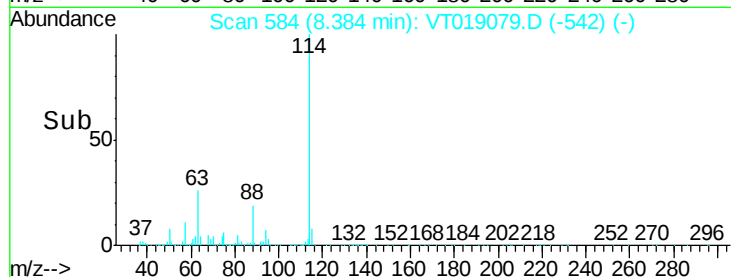
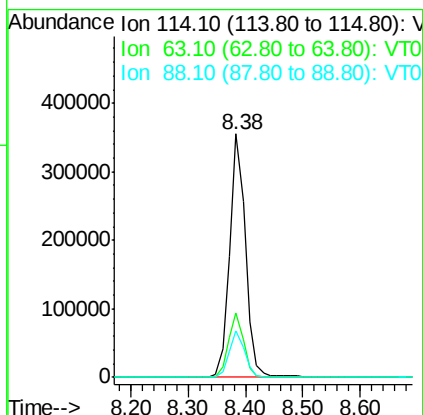
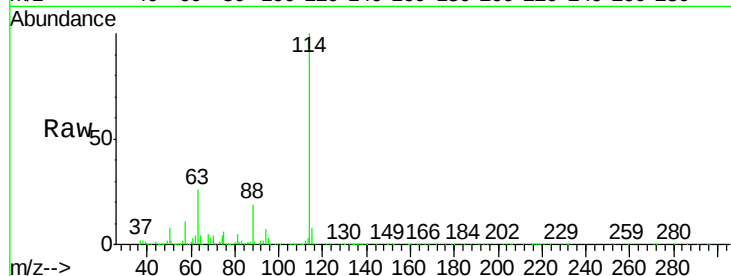




#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.38 min Scan# 584
Delta R.T. -0.00 min
Lab File: VT019079.D
Acq: 10 May 2018 16:49

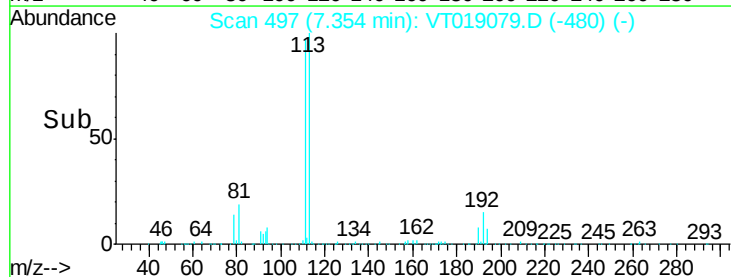
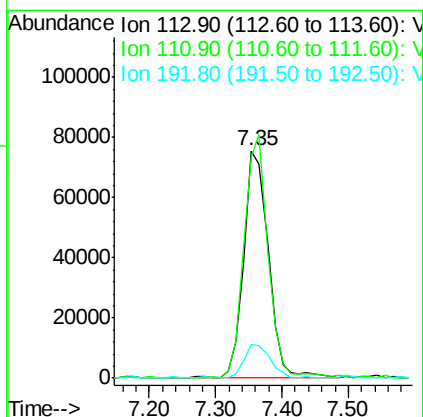
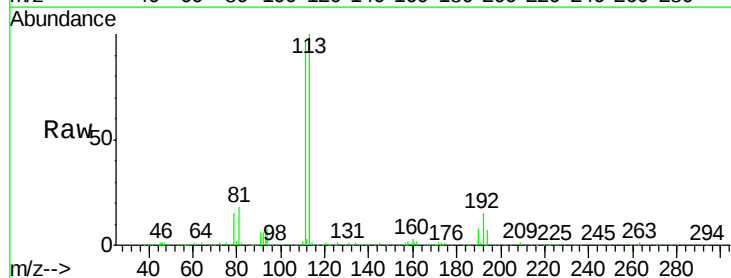
Instrument :
MSVOA_T
ClientSampleId :

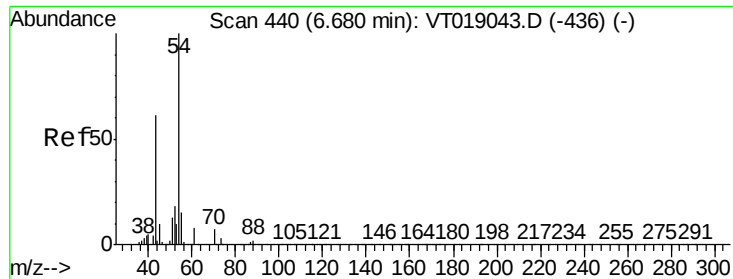
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	0.0	48.8
88	18.9	0.0	37.0



#34
Dibromofluoromethane
Concen: 51.44 ug/l
RT: 7.35 min Scan# 497
Delta R.T. -0.00 min
Lab File: VT019079.D
Acq: 10 May 2018 16:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	96.9	84.0	126.0
192	14.7	12.9	19.3

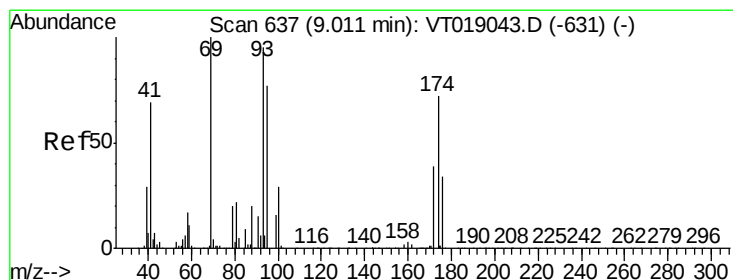
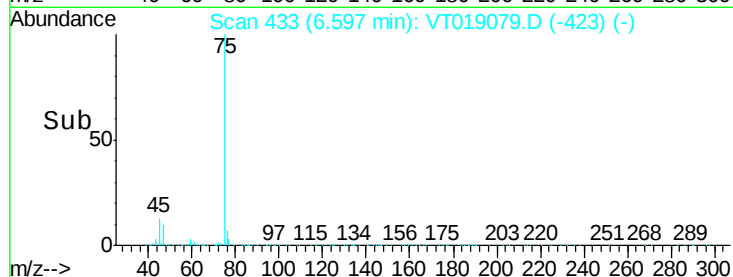
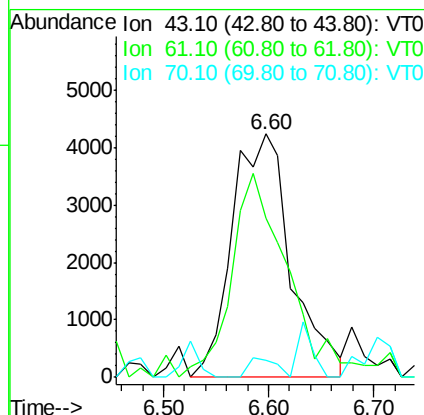
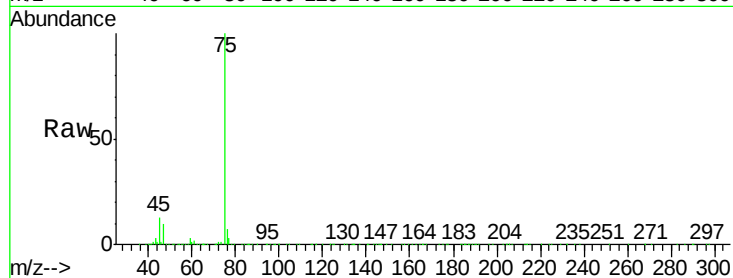




#36
Ethyl Acetate
Concen: 8.20 ug/l
RT: 6.60 min Scan# 433
Delta R.T. -0.08 min
Lab File: VT019079.D
Acq: 10 May 2018 16:49

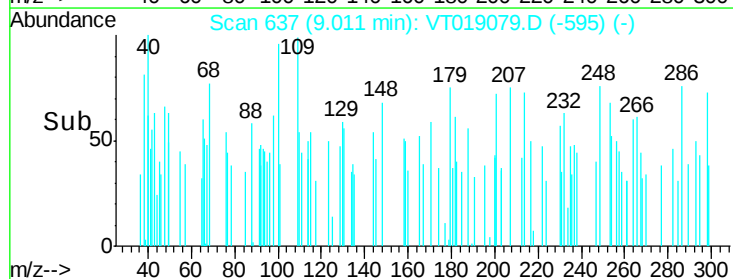
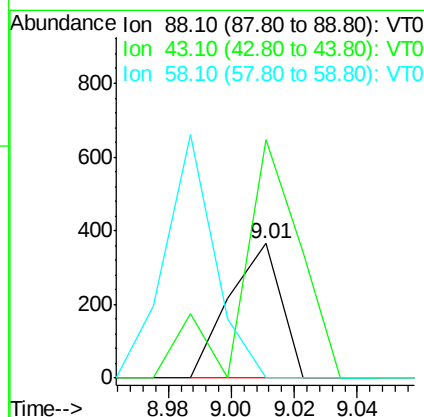
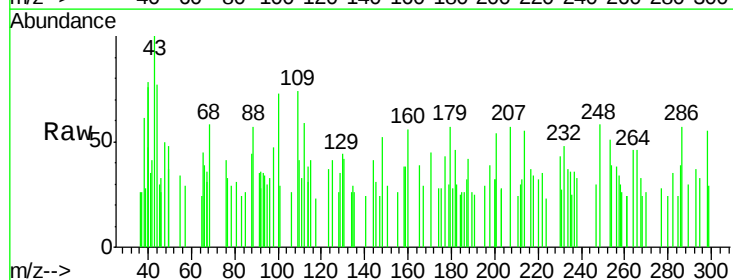
Instrument :
MSVOA_T
ClientSampled :

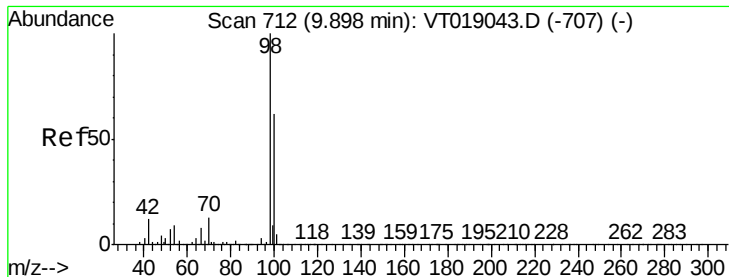
Tot Ion: 43 Resp: 16505
Ion Ratio Lower Upper
43 100
61 65.4 14.2 21.2#
70 6.8 8.4 12.6#



#48
1,4-Dioxane
Concen: 8.00 ug/l
RT: 9.01 min Scan# 637
Delta R.T. 0.00 min
Lab File: VT019079.D
Acq: 10 May 2018 16:49

Tgt Ion: 88 Resp: 414
Ion Ratio Lower Upper
88 100
43 177.0 30.5 45.7#
58 0.0 67.5 101.3#





#49

Toluene-d8

Concen: 11.40 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.01 min

Lab File: VT019079.D

Acq: 10 May 2018 16:49

Instrument :

MSVOA_T

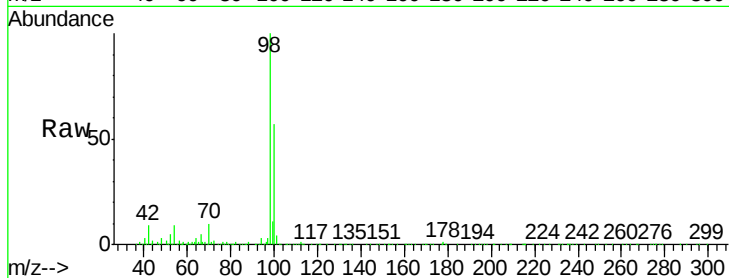
ClientSampled :

Tot Ion: 98 Resp: 185569

Ion Ratio Lower Upper

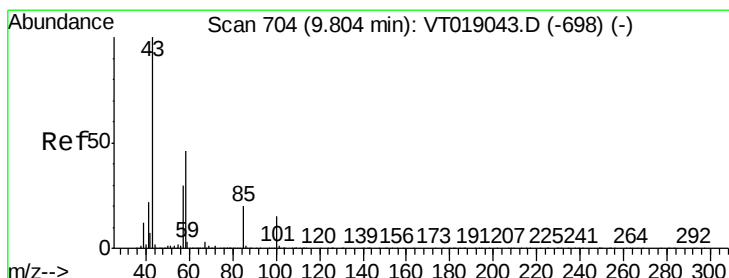
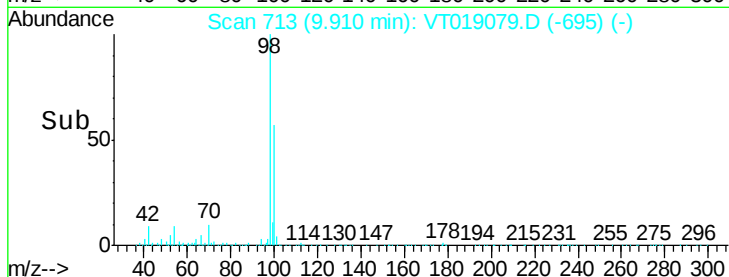
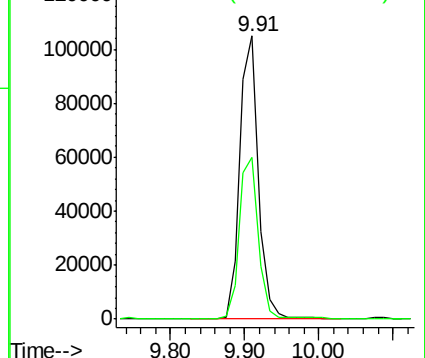
98 100

100 57.2 50.0 75.0



Abundance Ion 98.10 (97.80 to 98.80): VT0

Ion 100.10 (99.80 to 100.80): VT0



#50

4-Methyl-2-Pentanone

Concen: 1.19 ug/l

RT: 9.78 min Scan# 702

Delta R.T. -0.02 min

Lab File: VT019079.D

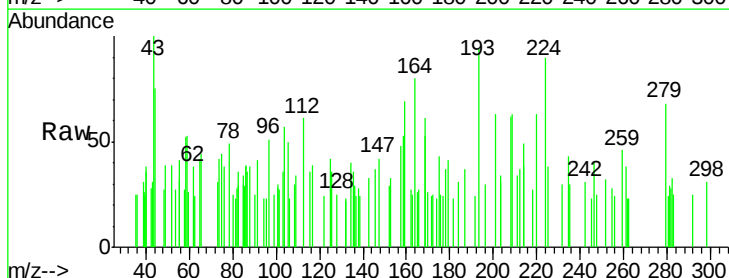
Acq: 10 May 2018 16:49

Tgt Ion: 43 Resp: 2266

Ion Ratio Lower Upper

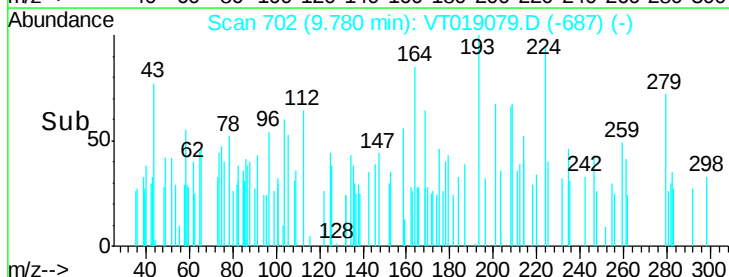
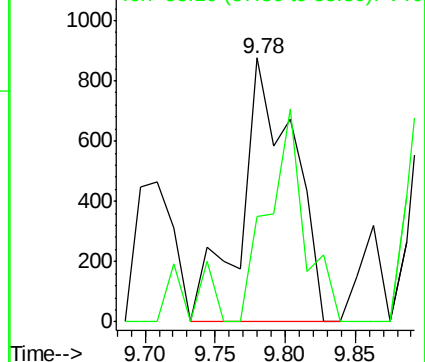
43 100

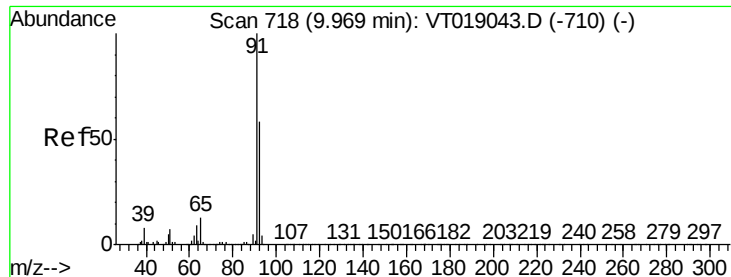
58 39.8 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 58.10 (57.80 to 58.80): VT0





#51

Toluene

Concen: 1.47 ug/l

RT: 9.97 min Scan# 718

Delta R.T. -0.00 min

Lab File: VT019079.D

Acq: 10 May 2018 16:49

Instrument :

MSVOA_T

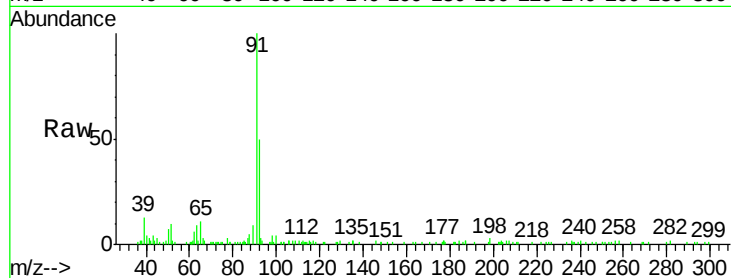
ClientSampled :

Tot Ion: 92 Resp: 17389

Ion Ratio Lower Upper

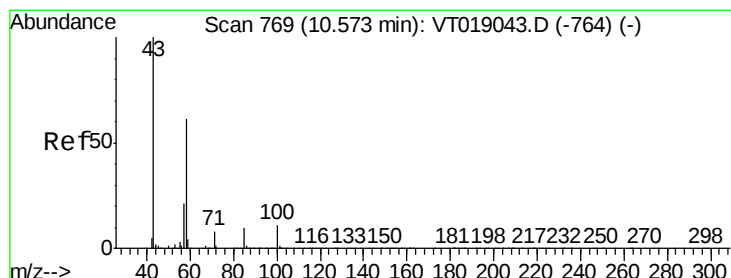
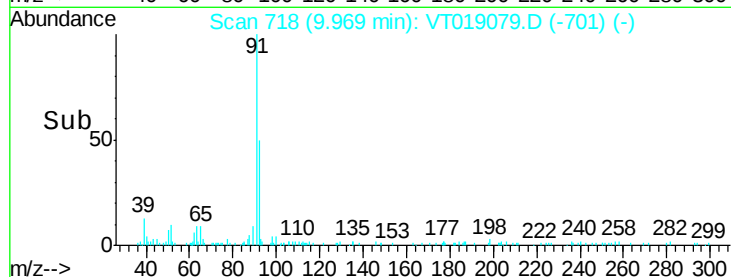
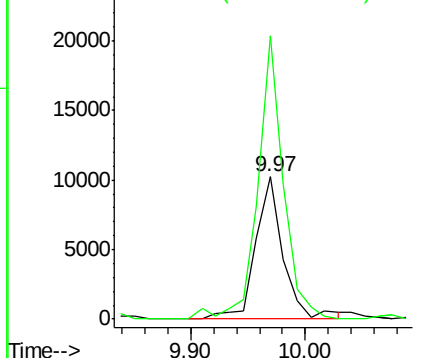
92 100

91 198.9 137.8 206.6



Abundance Ion 92.10 (91.80 to 92.80): VT0

Ion 91.10 (90.80 to 91.80): VT0



#58

2-Hexanone

Concen: 1.02 ug/l

RT: 10.58 min Scan# 770

Delta R.T. 0.01 min

Lab File: VT019079.D

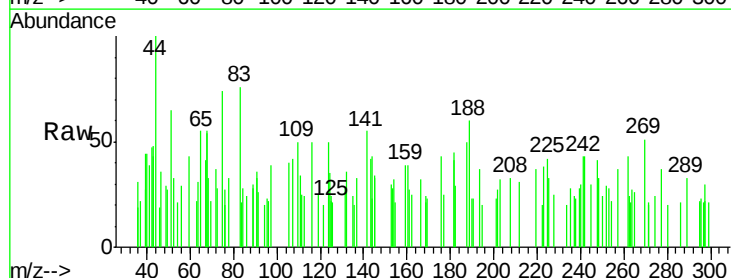
Acq: 10 May 2018 16:49

Tgt Ion: 43 Resp: 1412

Ion Ratio Lower Upper

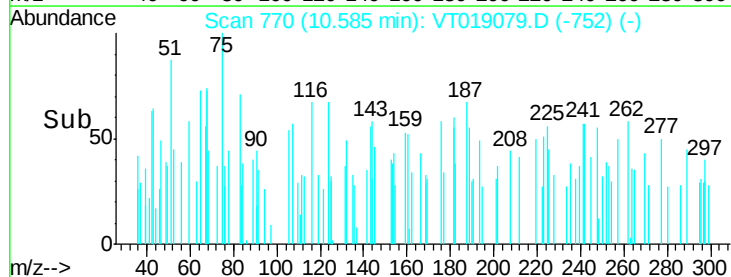
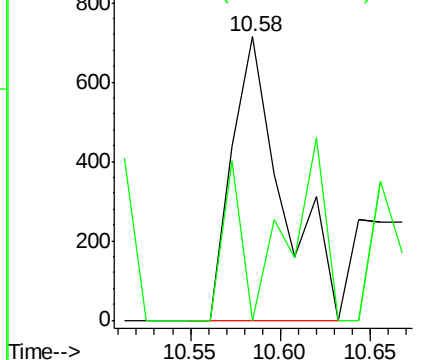
43 100

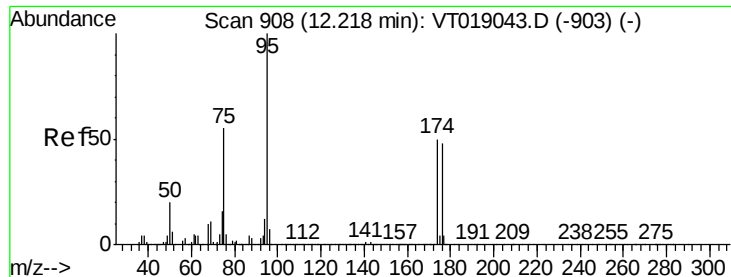
58 0.0 30.6 92.0#



Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 58.10 (57.80 to 58.80): VT0





#61

4-Bromofluorobenzene

Concen: 22.13 ug/l

RT: 12.23 min Scan# 909

Delta R.T. 0.01 min

Lab File: VT019079.D

Acq: 10 May 2018 16:49

Instrument :
MSVOA_T
ClientSampled :

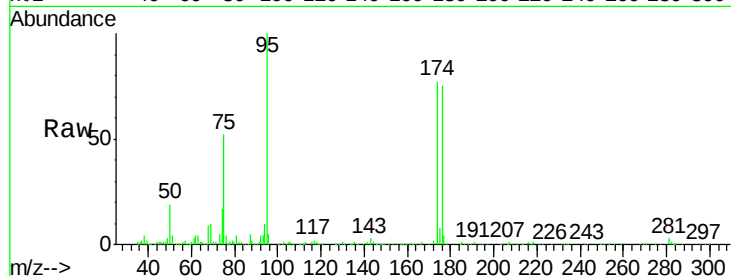
Tot Ion: 95 Resp: 135651

Ion Ratio Lower Upper

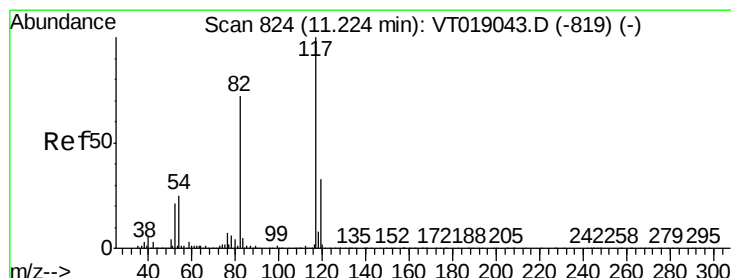
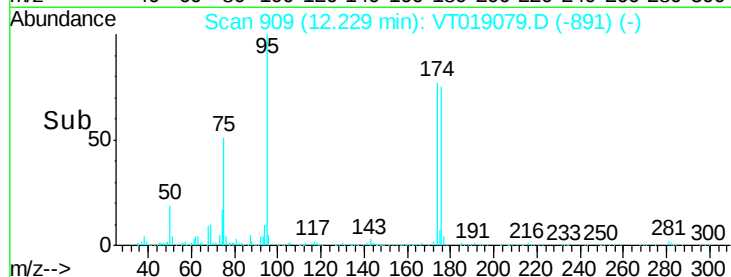
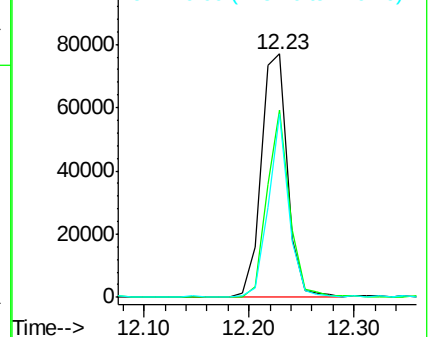
95 100

174 77.1 0.0 100.0

176 75.5 0.0 96.6



Abundance Ion 95.10 (94.80 to 95.80): VT0
Ion 174.00 (173.70 to 174.70): VT0
Ion 176.00 (175.70 to 176.70): VT0



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.22 min Scan# 824

Delta R.T. -0.00 min

Lab File: VT019079.D

Acq: 10 May 2018 16:49

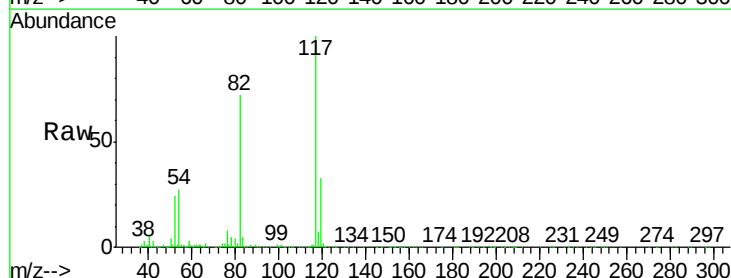
Tgt Ion: 117 Resp: 319766

Ion Ratio Lower Upper

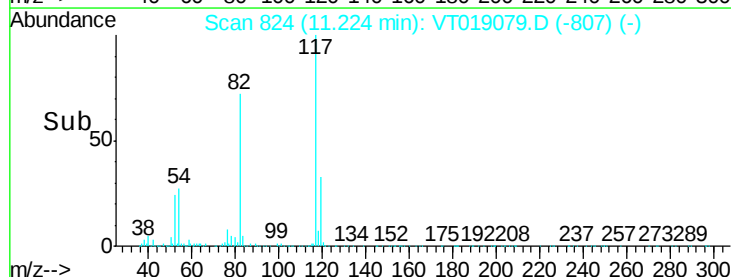
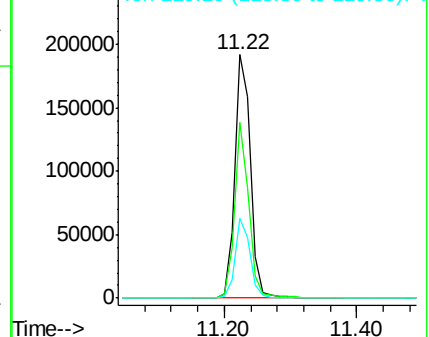
117 100

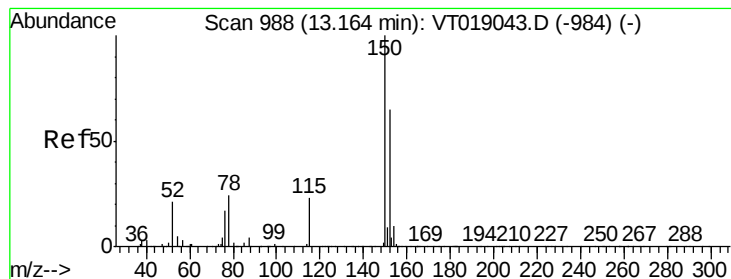
82 72.0 57.6 86.4

119 32.8 26.6 40.0



Abundance Ion 117.10 (116.80 to 117.80): VT0
Ion 82.10 (81.80 to 82.80): VT0
Ion 119.10 (118.80 to 119.80): VT0





#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.16 min Scan# 988

Delta R.T. -0.00 min

Lab File: VT019079.D

Acq: 10 May 2018 16:49

Instrument :
MSVOA_T
ClientSampleId :

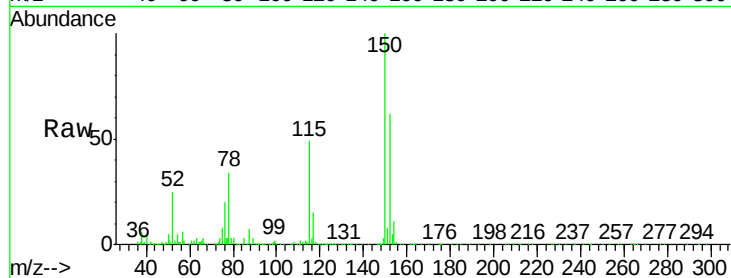
Tot Ion:152 Resp: 108503

Ion Ratio Lower Upper

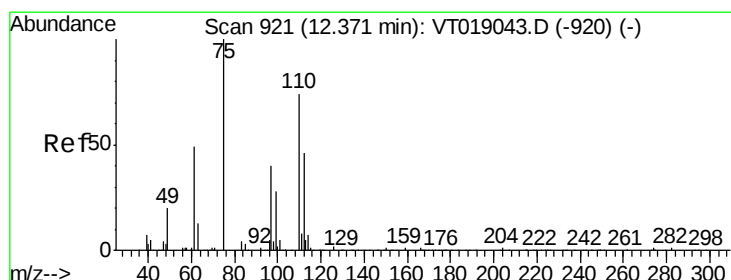
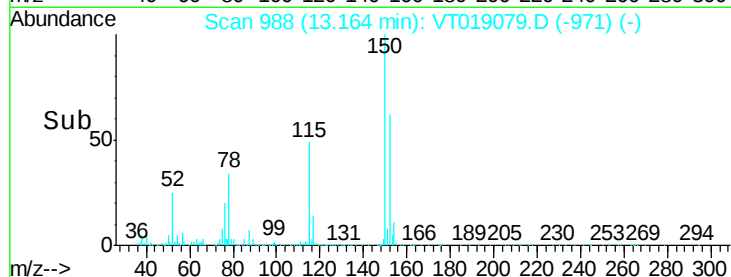
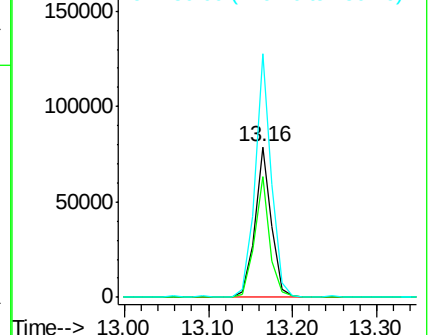
152 100

115 80.0 34.2 102.6

150 161.8 0.0 321.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#75

1,2,3-Trichloropropane

Concen: 74.22 ug/l

RT: 12.23 min Scan# 909

Delta R.T. -0.14 min

Lab File: VT019079.D

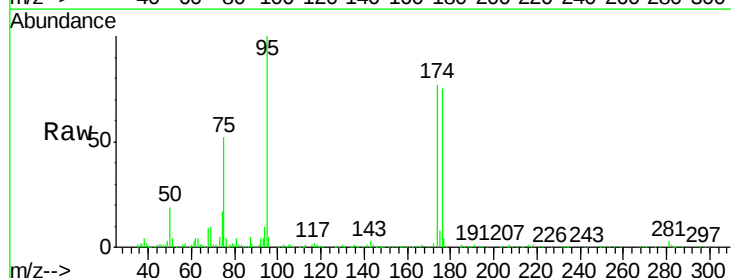
Acq: 10 May 2018 16:49

Tgt Ion: 75 Resp: 68492

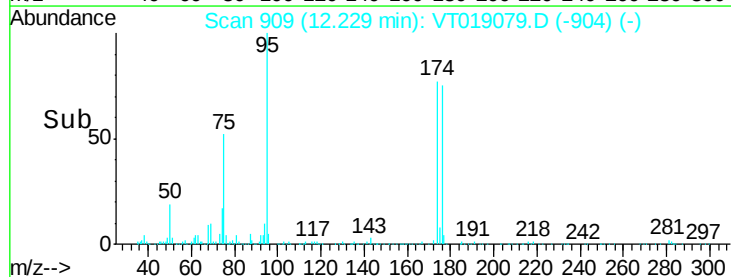
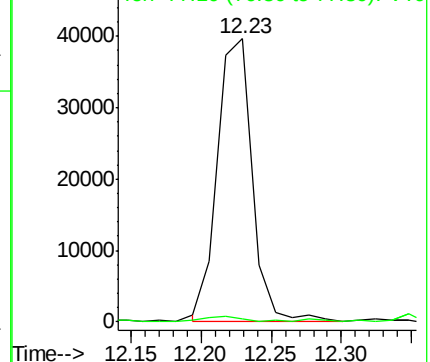
Ion Ratio Lower Upper

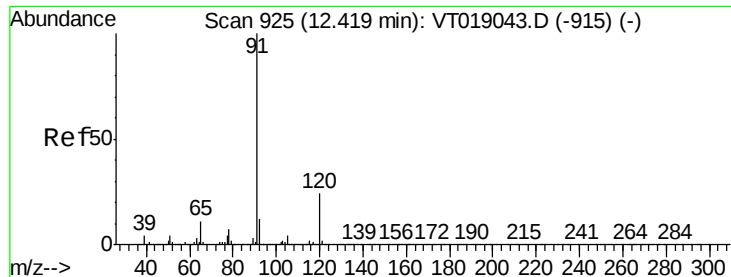
75 100

77 1.1 21.1 63.1#



Abundance Ion 75.10 (74.80 to 75.80): VT0
Ion 77.10 (76.80 to 77.80): VT0

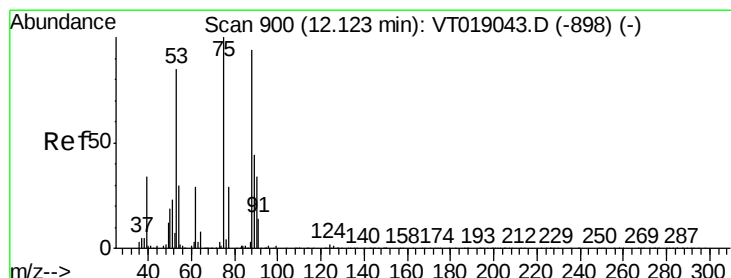
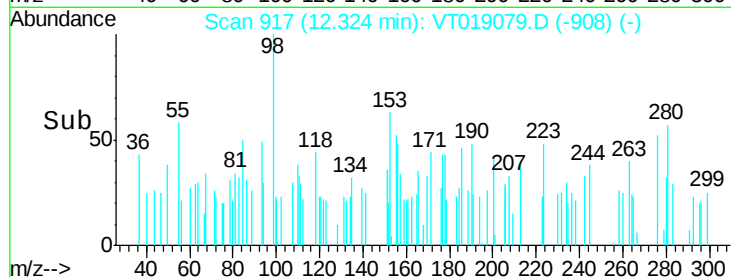
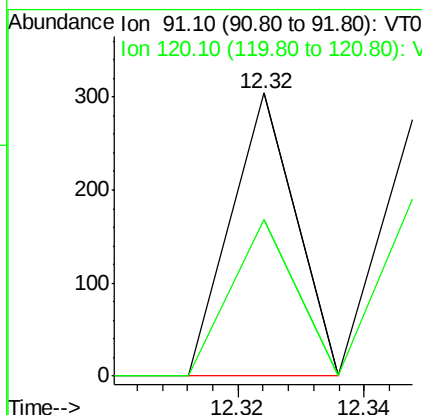
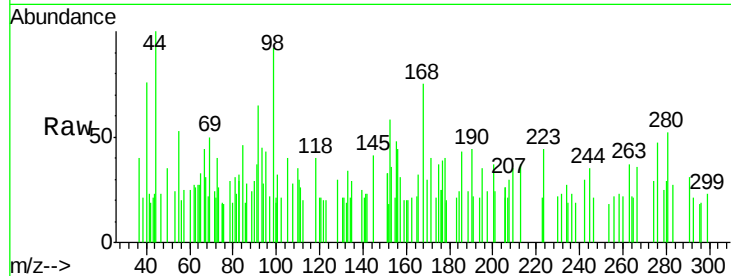




#77
n-propylbenzene
Concen: 1.25 ug/l
RT: 12.32 min Scan# 917
Delta R.T. -0.09 min
Lab File: VT019079.D
Acq: 10 May 2018 16:49

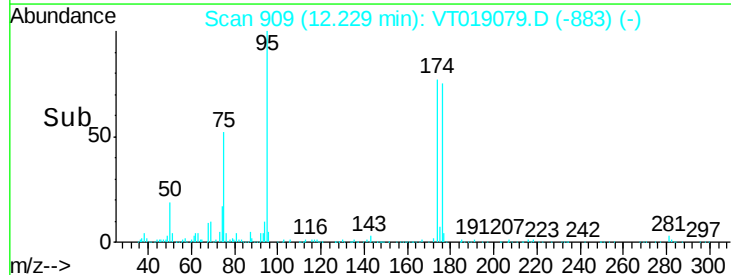
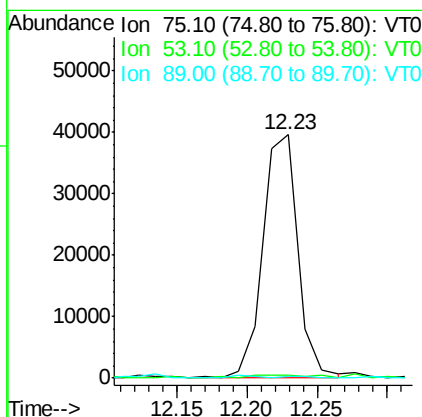
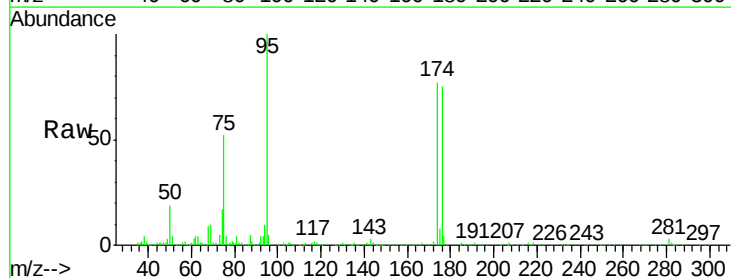
Instrument :
MSVOA_T
ClientSampled :

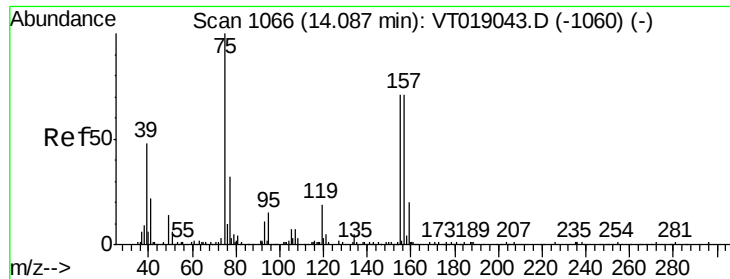
Tot Ion: 91 Resp: 216
Ion Ratio Lower Upper
91 100
120 20.2 12.0 36.1



#80
trans-1,4-Dichloro-2-butene
Concen: 197.37 ug/l
RT: 12.23 min Scan# 909
Delta R.T. 0.11 min
Lab File: VT019079.D
Acq: 10 May 2018 16:49

Tgt Ion: 75 Resp: 68504
Ion Ratio Lower Upper
75 100
53 1.1 70.8 106.2#
89 0.8 35.8 53.8#

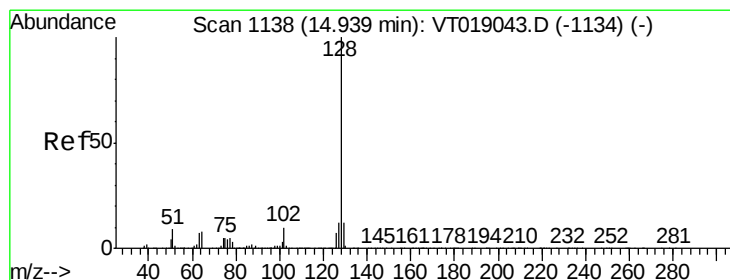
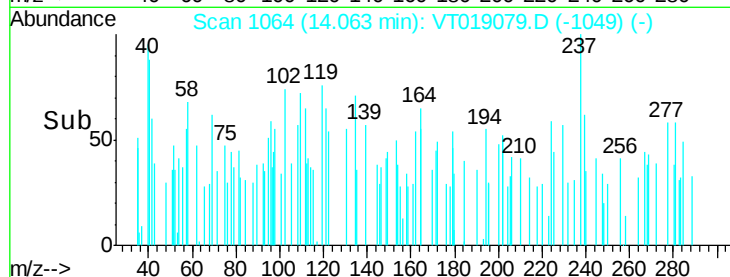
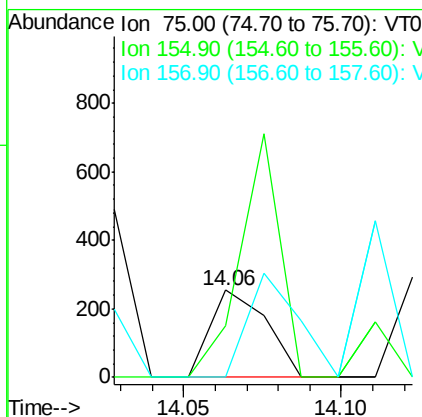
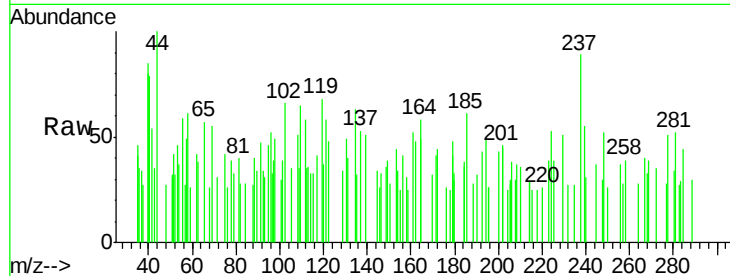




#91
 1,2-Dibromo-3-Chloropropane
 Concen: 1.66 ug/l
 RT: 14.06 min Scan# 1064
 Delta R.T. -0.02 min
 Lab File: VT019079.D
 Acq: 10 May 2018 16:49

Instrument :
 MSVOA_T
 ClientSampled :

Tot Ion: 75 Resp: 309
 Ion Ratio Lower Upper
 75 100
 155 59.8 35.6 106.8
 157 0.0 35.8 107.3#



#94
 Naphthalene
 Concen: 2.18 ug/l
 RT: 14.94 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VT019079.D
 Acq: 10 May 2018 16:49

Tgt Ion: 128 Resp: 7204
 Ion Ratio Lower Upper
 128 100
 127 10.5 9.9 14.9
 129 8.8 9.3 13.9#

