

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
 Data File : VT019082.D
 Acq On : 10 May 2018 18:22
 Operator : SY/MD
 Sample : J2783-01RE
 Misc : 5.02g/5mL/MSVOA T/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :

Quant Time: May 11 02:27:26 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	614445	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	8.38	114	1258955	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	986254	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	385231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	7.80	65	326920	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	
34) Dibromofluoromethane	7.37	113	10963	1.56	ug/l	0.01
Spiked Amount			Recovery	=	3.12%	
49) Toluene-d8	9.91	98	1158971	38.32	ug/l	0.01
Spiked Amount			Recovery	=	76.64%	
61) 4-Bromofluorobenzene	12.22	95	425683	37.38	ug/l	0.00
Spiked Amount			Recovery	=	74.76%	

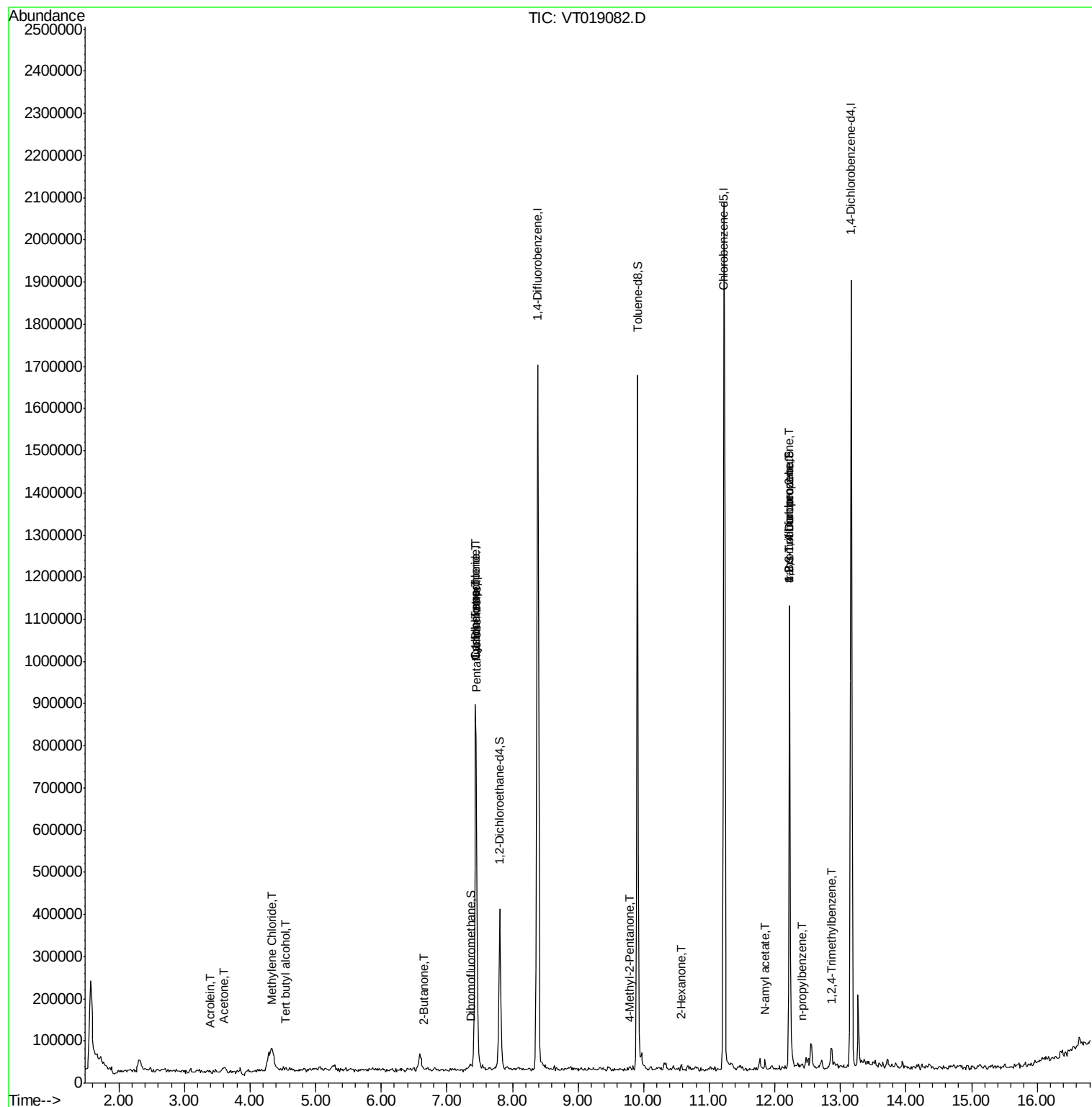
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.54	59	2589	8.78	ug/l #	62
13) Acrolein	3.39	56	691	4.80	ug/l #	11
16) Acetone	3.60	43	20866	33.70	ug/l #	85
20) Methylene Chloride	4.34	84	43263	6.49	ug/l	96
25) 2-Butanone	6.66	43	1527	1.10	ug/l	90
30) Cyclohexane	7.44	56	17272	1.14	ug/l #	1
35) 1,1-Dichloropropene	7.44	75	65480	4.51	ug/l #	51
37) Carbon Tetrachloride	7.44	117	78087	6.59	ug/l #	20
48) 1,4-Dioxane	9.00	88	386	Below Cal	#	16
50) 4-Methyl-2-Pentanone	9.79	43	7029	1.99	ug/l #	70
58) 2-Hexanone	10.57	43	7353	2.87	ug/l	61
73) N-amyl acetate	11.85	43	10364	2.02	ug/l #	50
75) 1,2,3-Trichloropropane	12.22	75	218061	66.55	ug/l #	36
77) n-propylbenzene	12.41	91	8013	1.39	ug/l	94
80) trans-1,4-Dichloro-2-buten	12.22	75	218790	177.55	ug/l #	14
83) 1,2,4-Trimethylbenzene	12.86	105	27385	1.00	ug/l	96

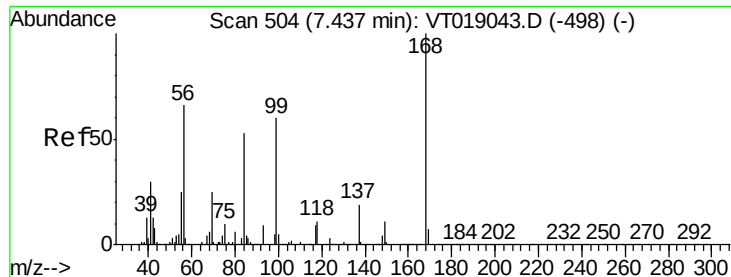
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VT019082.D

Acq: 10 May 2018 18:22

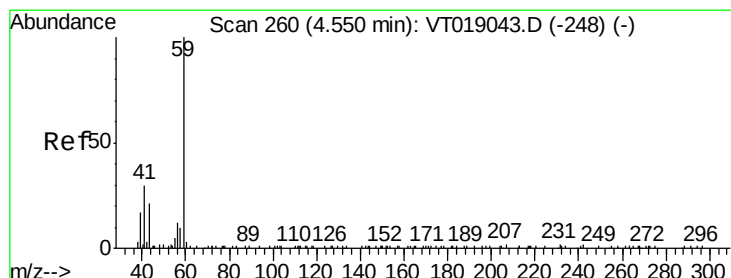
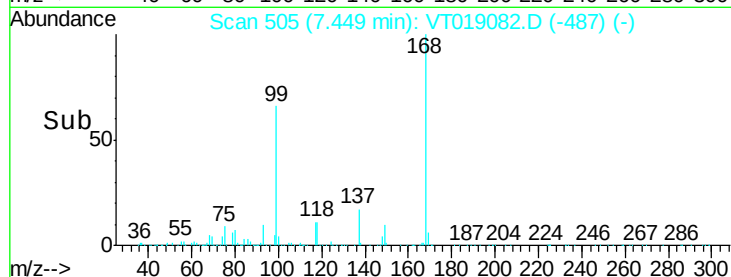
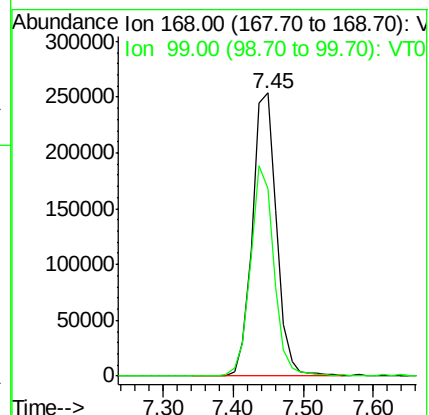
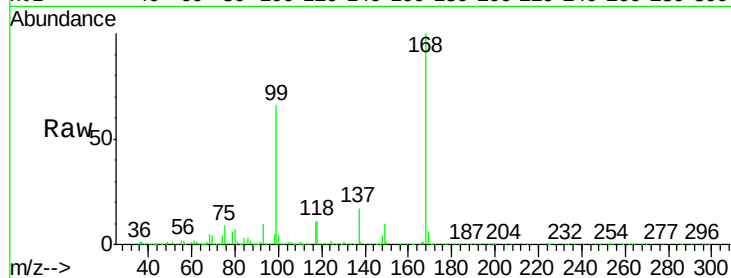
Instrument :
MSVOA_T
ClientSampleId :

Tot Ion:168 Resp: 614445

Ion Ratio Lower Upper

168 100

99 66.1 59.0 88.4



#11

Tert butyl alcohol

Concen: 8.78 ug/l

RT: 4.54 min Scan# 259

Delta R.T. -0.01 min

Lab File: VT019082.D

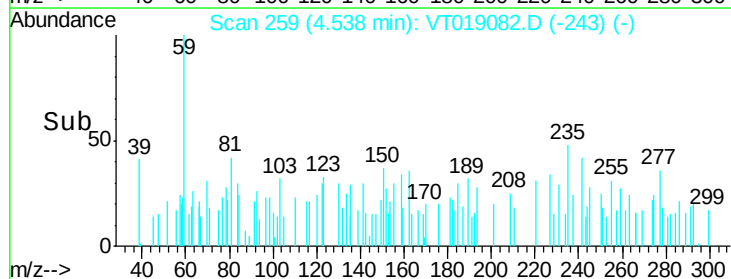
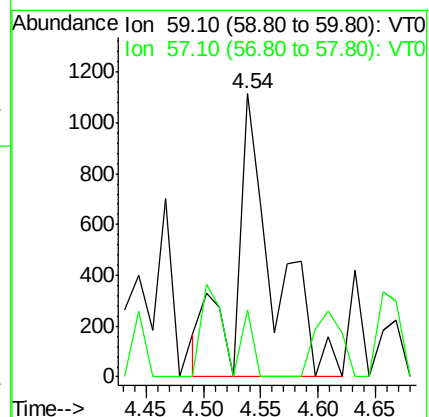
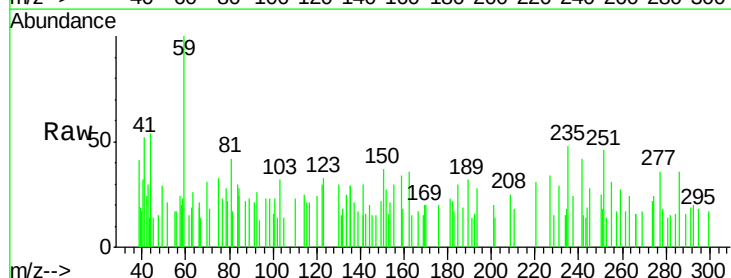
Acq: 10 May 2018 18:22

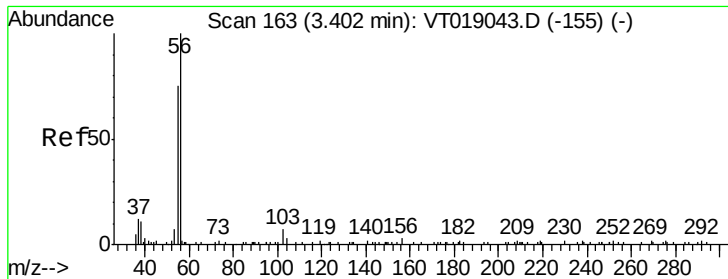
Tgt Ion: 59 Resp: 2589

Ion Ratio Lower Upper

59 100

57 23.5 7.7 11.5#





#13

Acrolein

Concen: 4.80 ug/l

RT: 3.39 min Scan# 162

Delta R.T. -0.01 min

Lab File: VT019082.D

Acq: 10 May 2018 18:22

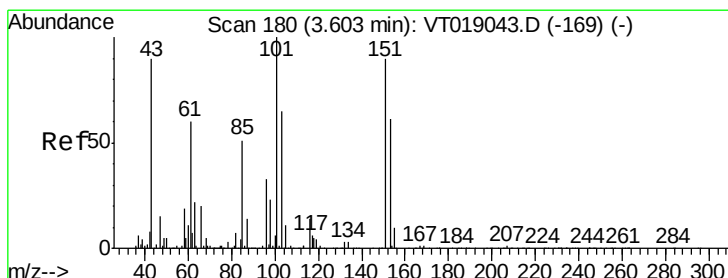
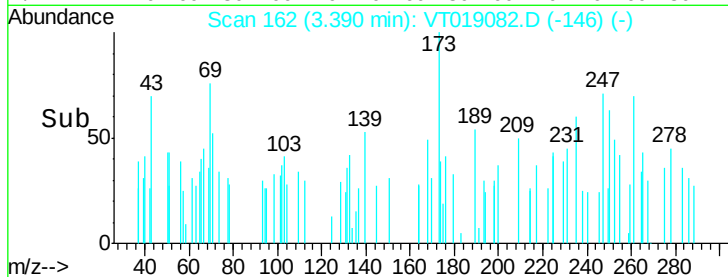
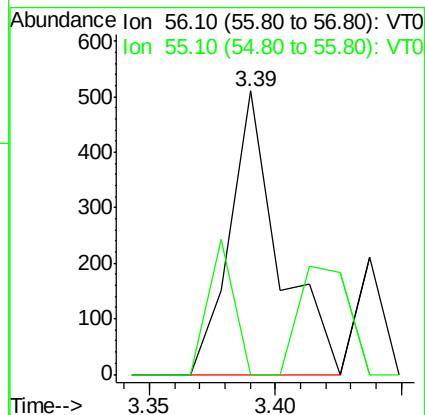
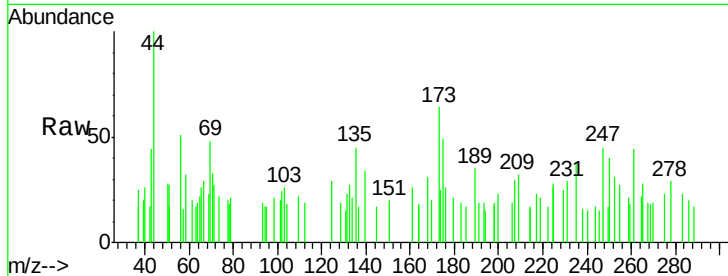
Instrument :
MSVOA_T
ClientSampleId :

Tot Ion: 56 Resp: 691

Ion Ratio Lower Upper

56 100

55 0.0 60.8 91.2#



#16

Acetone

Concen: 33.70 ug/l

RT: 3.60 min Scan# 180

Delta R.T. -0.00 min

Lab File: VT019082.D

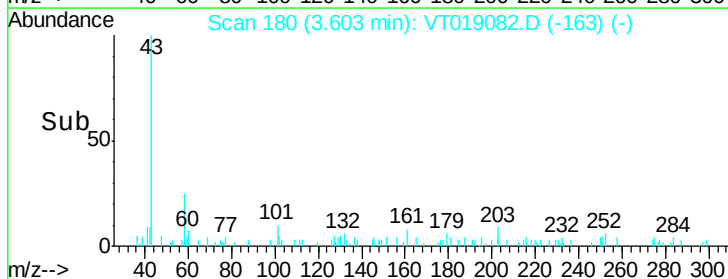
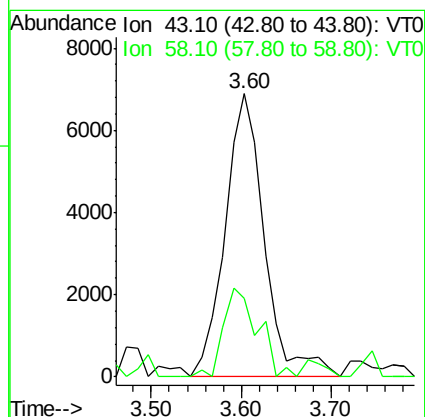
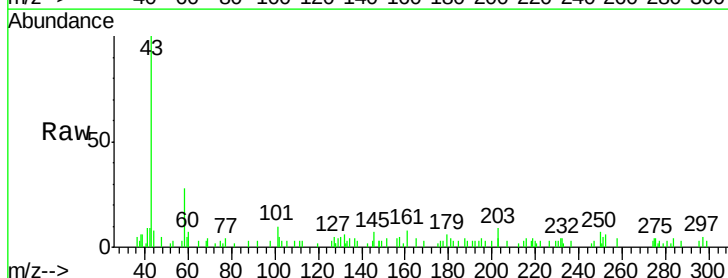
Acq: 10 May 2018 18:22

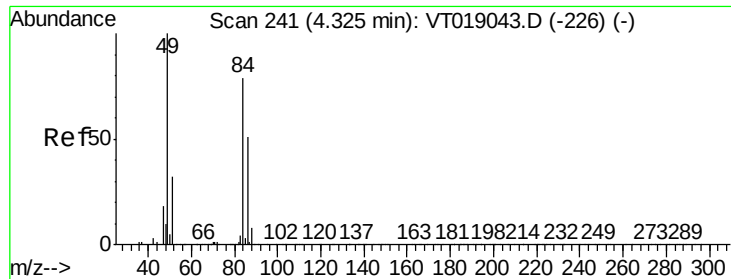
Tgt Ion: 43 Resp: 20866

Ion Ratio Lower Upper

43 100

58 27.9 16.7 25.1#

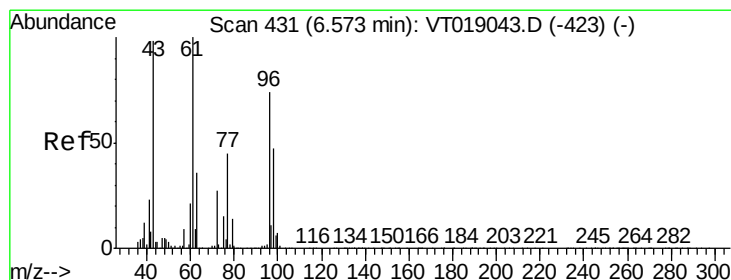
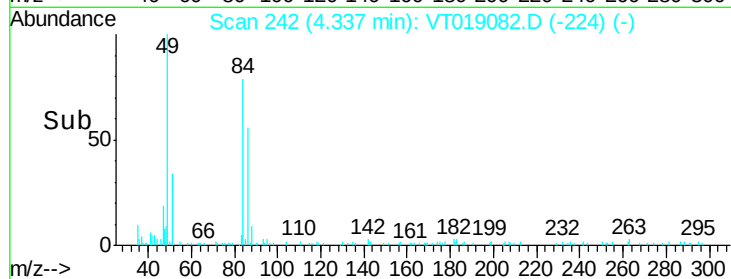
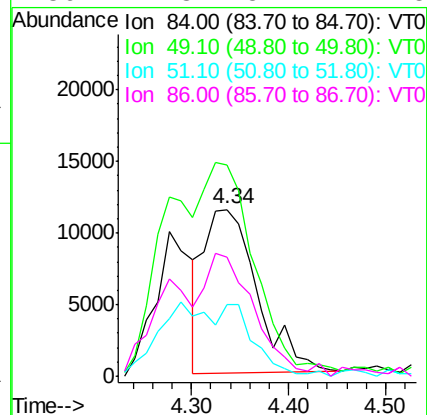
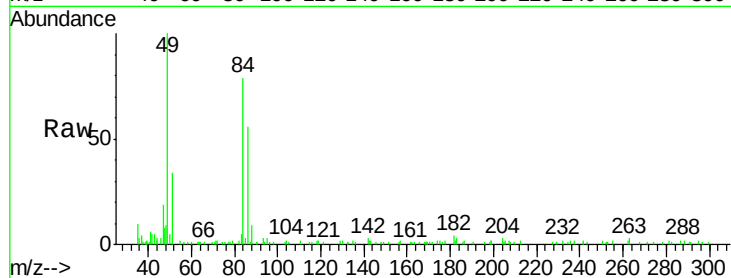




#20
Methylene Chloride
Concen: 6.49 ug/l
RT: 4.34 min Scan# 242
Delta R.T. 0.01 min
Lab File: VT019082.D
Acq: 10 May 2018 18:22

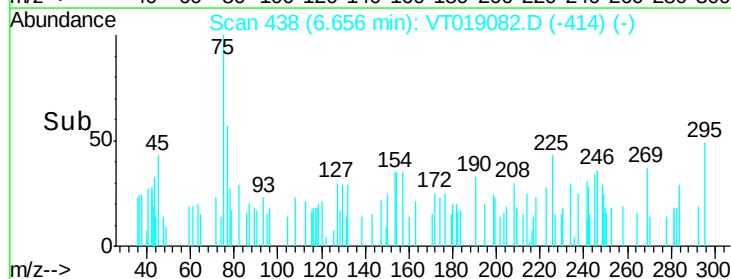
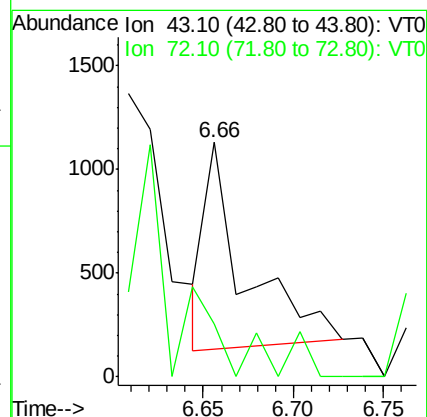
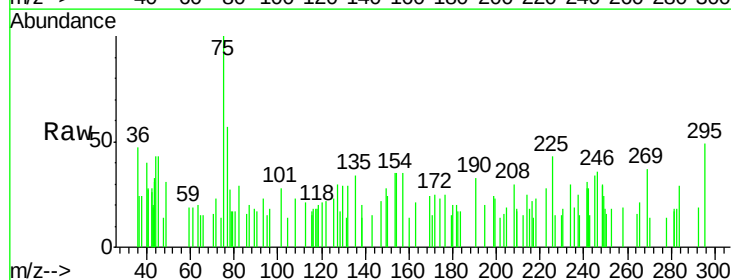
Instrument :
MSVOA_T
ClientSampled :

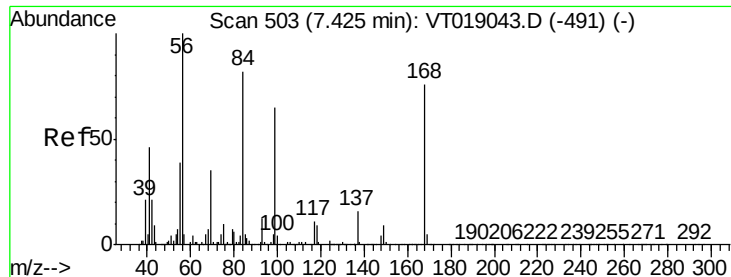
Tot Ion: 84 Resp: 43263
Ion Ratio Lower Upper
84 100
49 127.1 103.0 154.4
51 42.8 33.3 49.9
86 71.8 51.7 77.5



#25
2-Butanone
Concen: 1.10 ug/l
RT: 6.66 min Scan# 438
Delta R.T. 0.08 min
Lab File: VT019082.D
Acq: 10 May 2018 18:22

Tgt Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
72 22.5 22.1 33.1

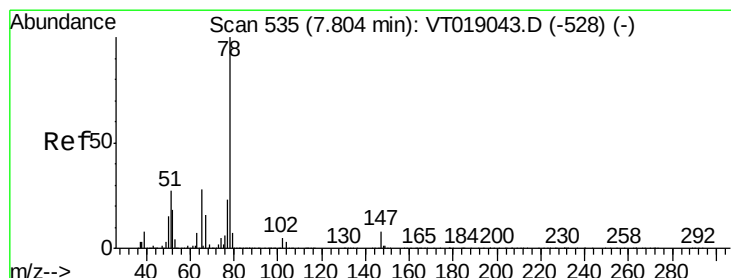
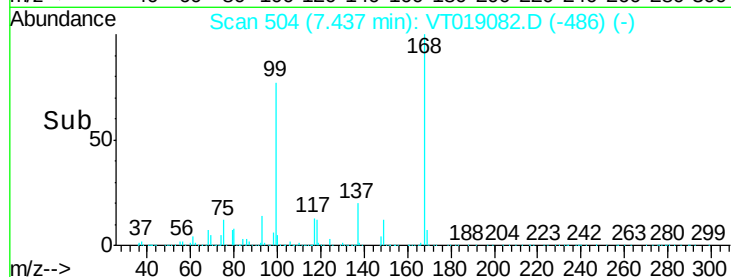
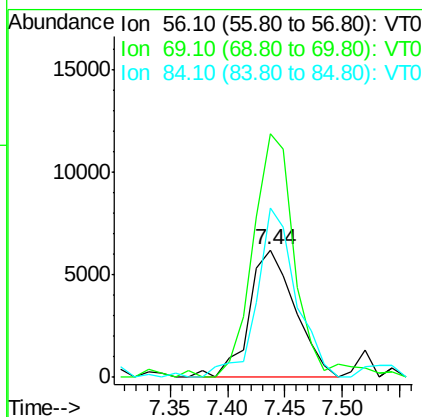
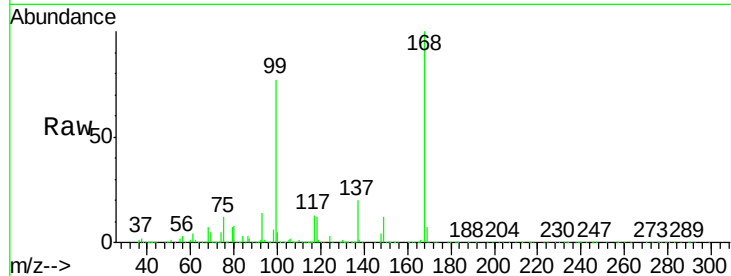




#30
Cyclohexane
Concen: 1.14 ug/l
RT: 7.44 min Scan# 504
Delta R.T. 0.01 min
Lab File: VT019082.D
Acq: 10 May 2018 18:22

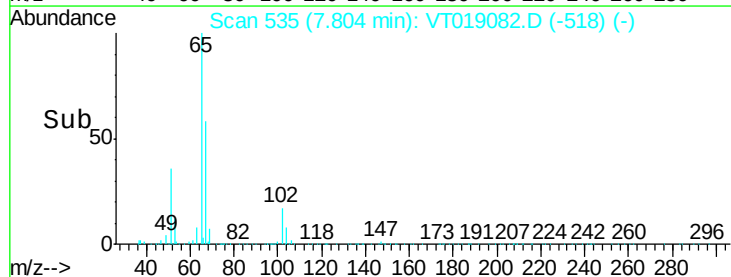
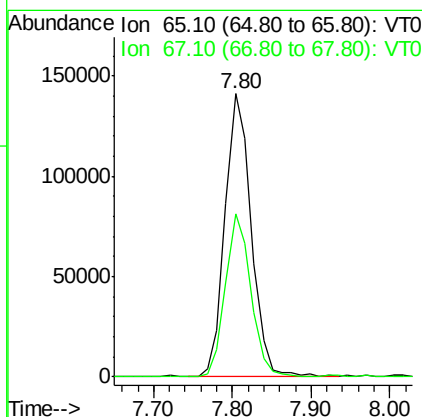
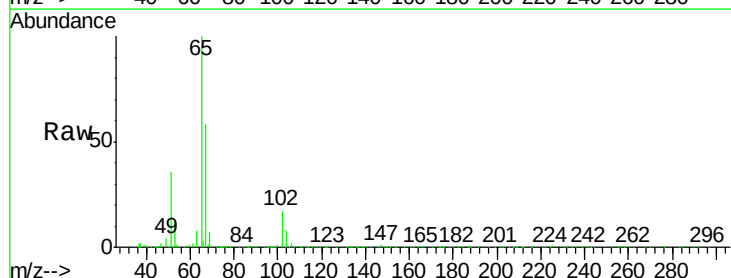
Instrument :
MSVOA_T
ClientSampled :

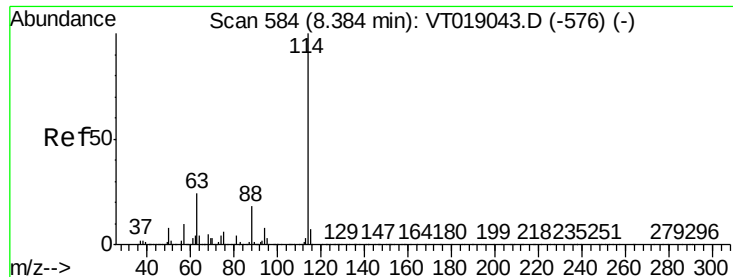
Tot Ion: 56 Resp: 17272
Ion Ratio Lower Upper
56 100
69 190.7 28.2 42.2#
84 132.7 65.6 98.4#



#32
1,2-Dichloroethane-d4
Concen: 56.05 ug/l
RT: 7.80 min Scan# 535
Delta R.T. -0.00 min
Lab File: VT019082.D
Acq: 10 May 2018 18:22

Tgt Ion: 65 Resp: 326920
Ion Ratio Lower Upper
65 100
67 57.7 0.0 114.2

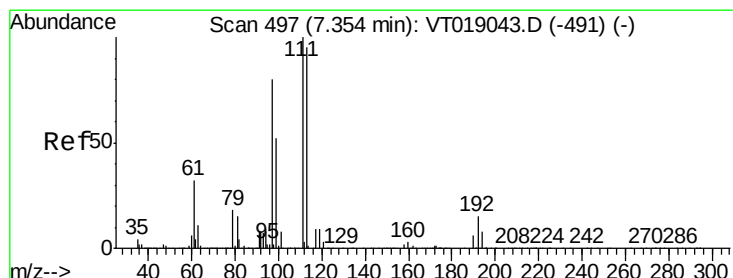
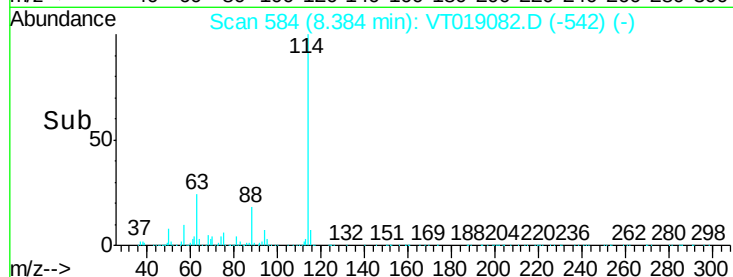
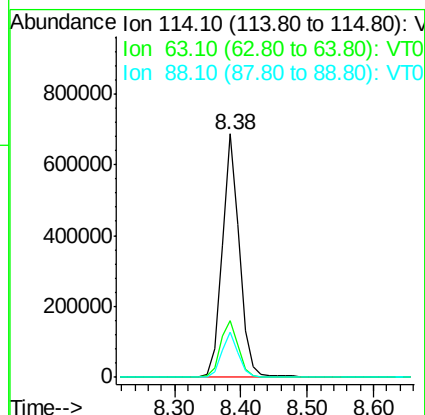
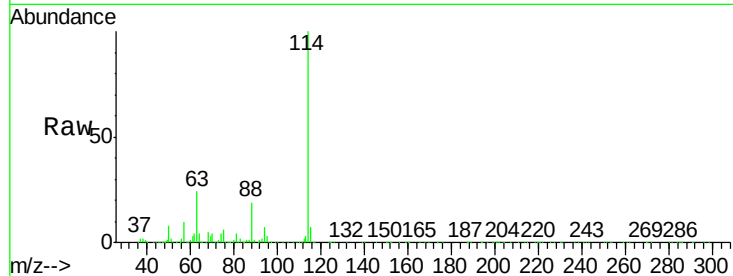




#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.38 min Scan# 584
Delta R.T. -0.00 min
Lab File: VT019082.D
Acq: 10 May 2018 18:22

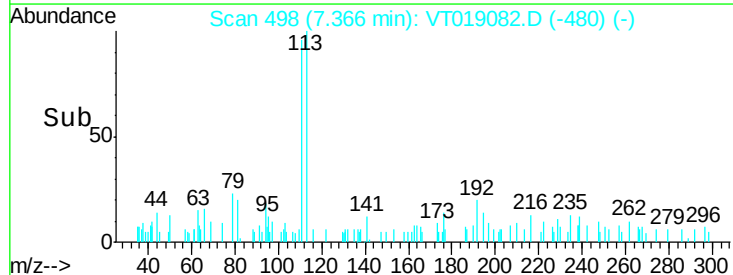
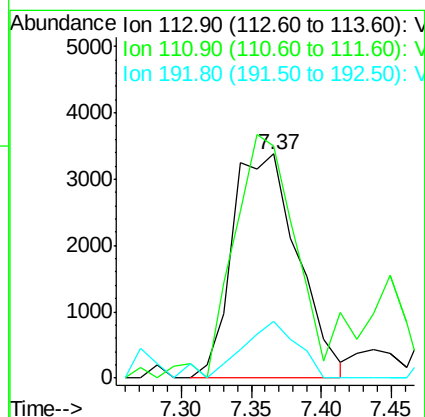
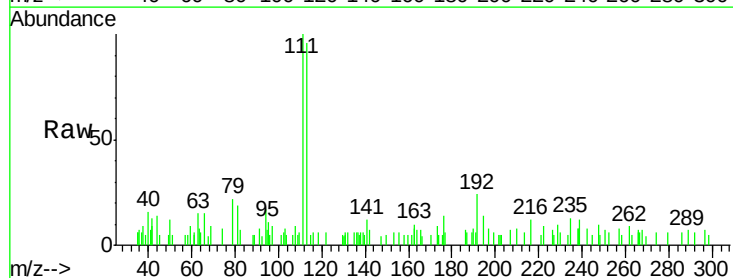
Instrument :
MSVOA_T
ClientSampleId :

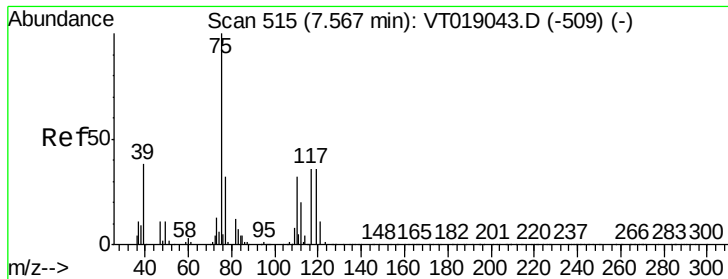
Tot Ion:114 Resp: 1258955
Ion Ratio Lower Upper
114 100
63 23.6 0.0 48.8
88 18.5 0.0 37.0



#34
Dibromofluoromethane
Concen: 1.56 ug/l
RT: 7.37 min Scan# 498
Delta R.T. 0.01 min
Lab File: VT019082.D
Acq: 10 May 2018 18:22

Tgt Ion:113 Resp: 10963
Ion Ratio Lower Upper
113 100
111 103.7 84.0 126.0
192 25.4 12.9 19.3#





#35

1,1-Dichloropropene

Concen: 4.51 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.13 min

Lab File: VT019082.D

Acq: 10 May 2018 18:22

Instrument :

MSVOA_T

ClientSampleId :

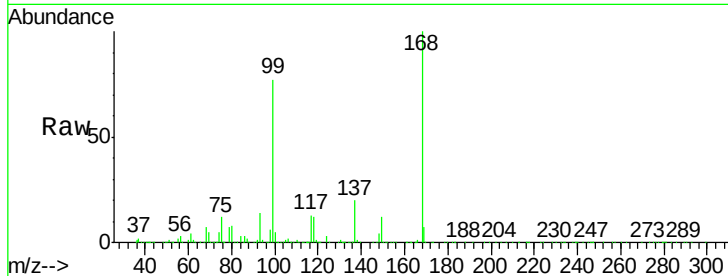
Tot Ion: 75 Resp: 65480

Ion Ratio Lower Upper

75 100

110 8.5 15.9 47.6#

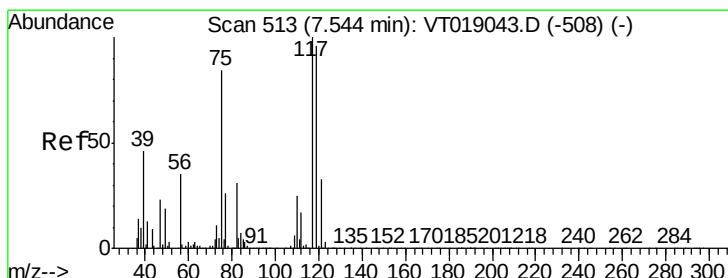
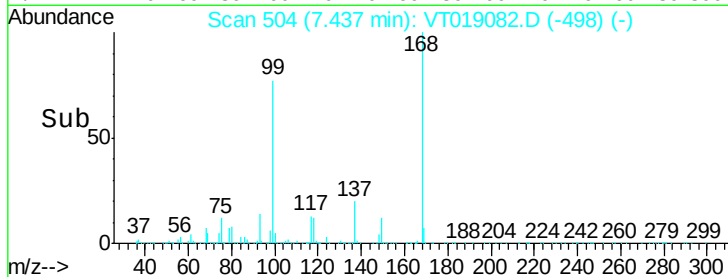
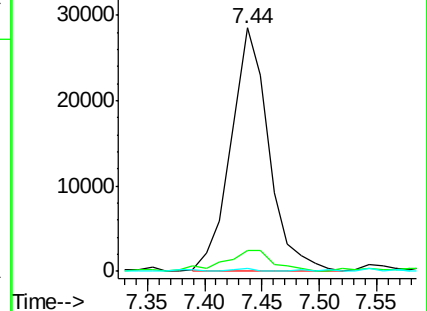
77 1.0 25.9 38.9#



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VT0



#37

Carbon Tetrachloride

Concen: 6.59 ug/l

RT: 7.44 min Scan# 504

Delta R.T. -0.11 min

Lab File: VT019082.D

Acq: 10 May 2018 18:22

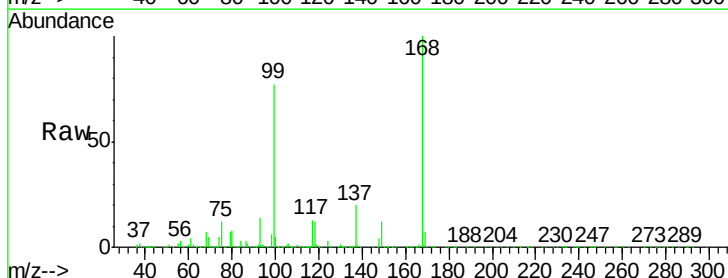
Tgt Ion: 117 Resp: 78087

Ion Ratio Lower Upper

117 100

119 8.8 76.5 114.7#

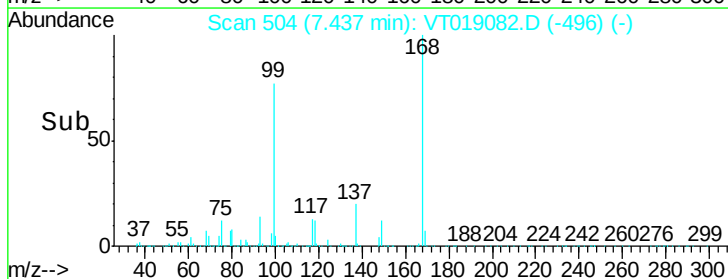
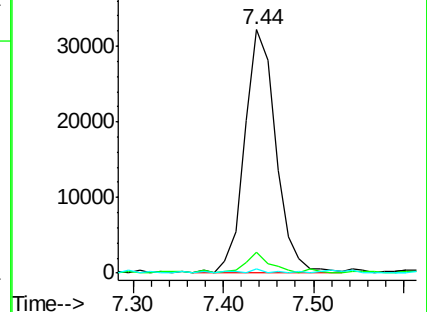
121 1.6 26.0 39.0#

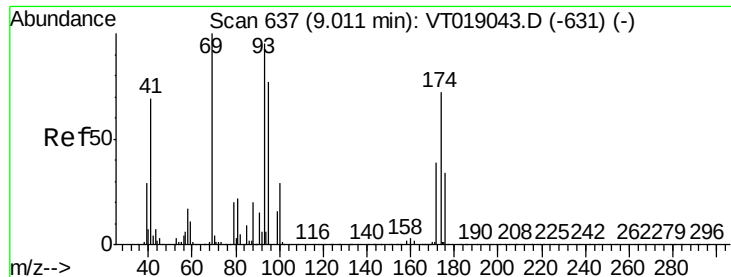


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

Ion 120.90 (120.60 to 121.60): V





#48

1,4-Dioxane

Concen: Below Cal

RT: 9.00 min Scan# 636

Delta R.T. -0.01 min

Lab File: VT019082.D

Acq: 10 May 2018 18:22

Instrument :
MSVOA_T
ClientSampled :

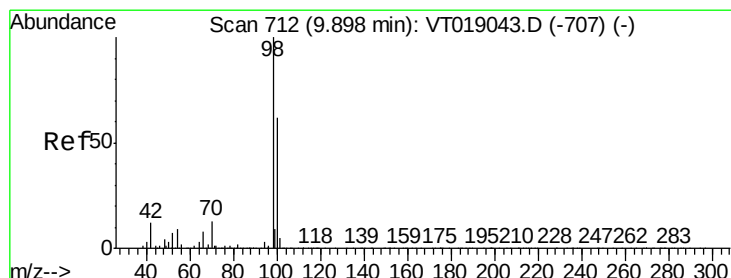
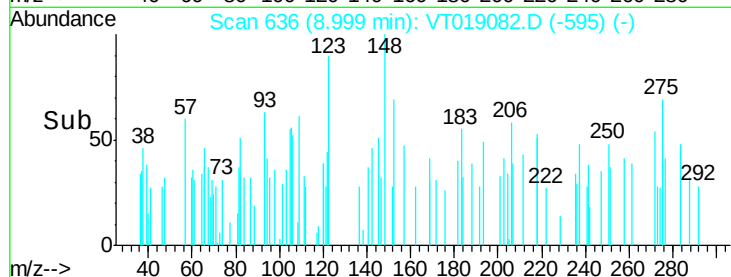
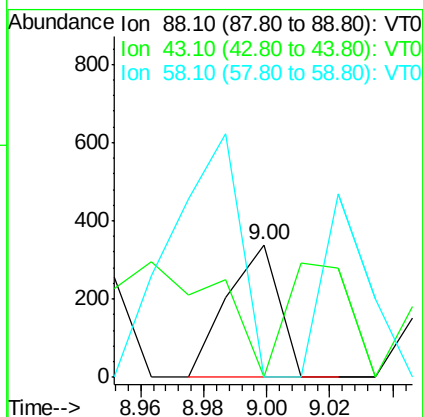
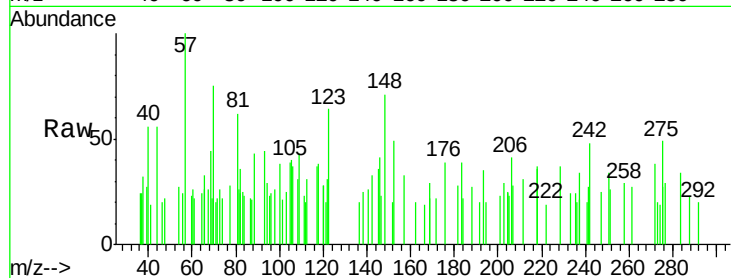
Tot Ion: 88 Resp: 386

Ion Ratio Lower Upper

88 100

43 0.0 30.5 45.7#

58 0.0 67.5 101.3#



#49

Toluene-d8

Concen: 38.32 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.01 min

Lab File: VT019082.D

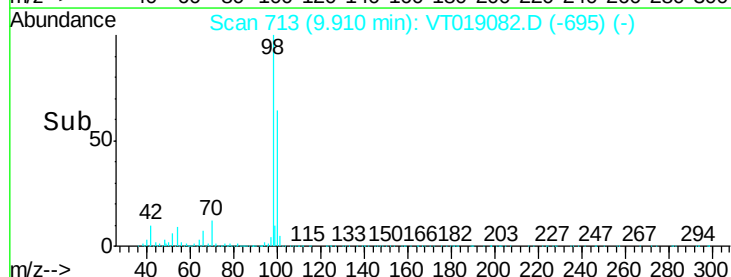
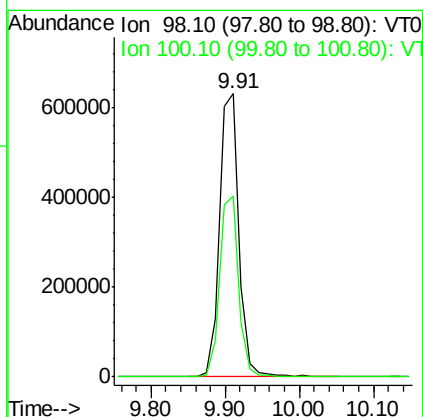
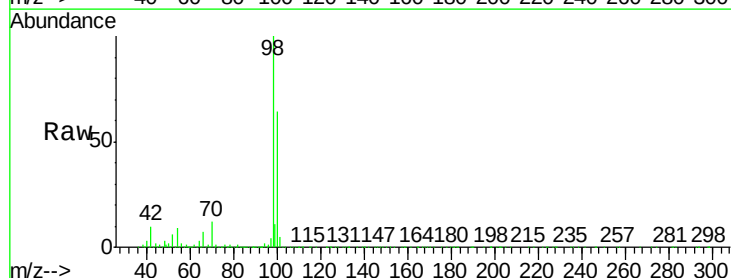
Acq: 10 May 2018 18:22

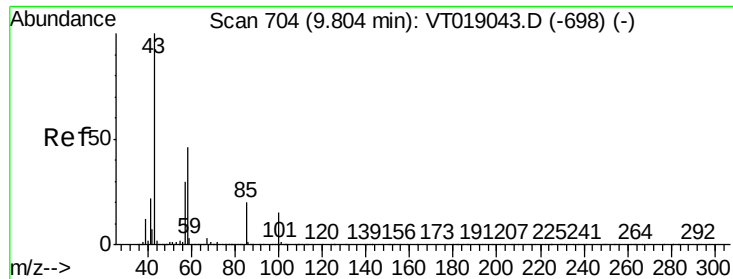
Tgt Ion: 98 Resp: 1158971

Ion Ratio Lower Upper

98 100

100 64.1 50.0 75.0

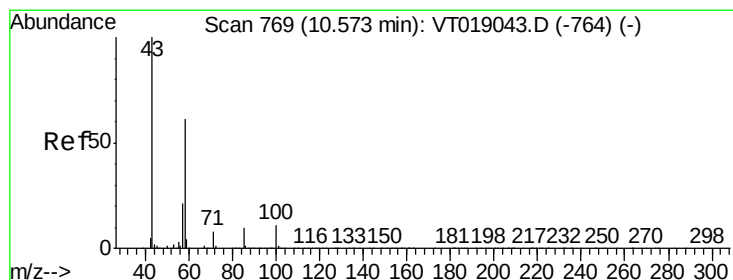
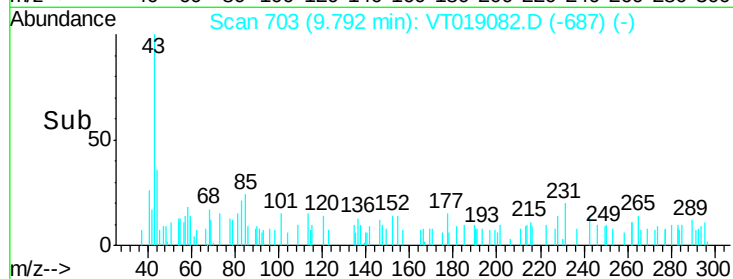
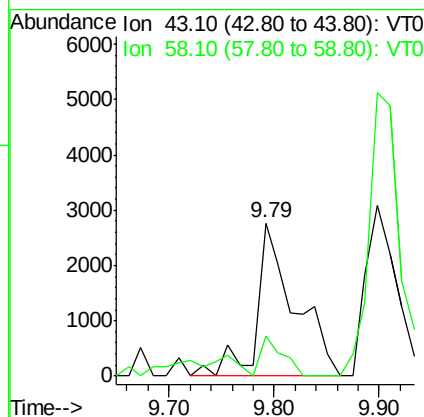
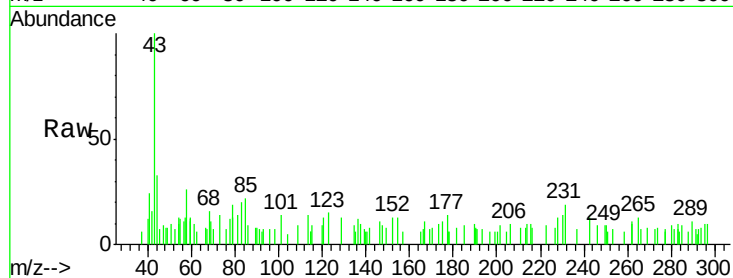




#50
4-Methyl-2-Pentanone
Concen: 1.99 ug/l
RT: 9.79 min Scan# 703
Delta R.T. -0.01 min
Lab File: VT019082.D
Acq: 10 May 2018 18:22

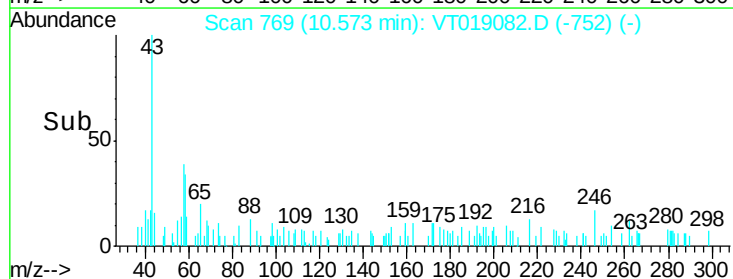
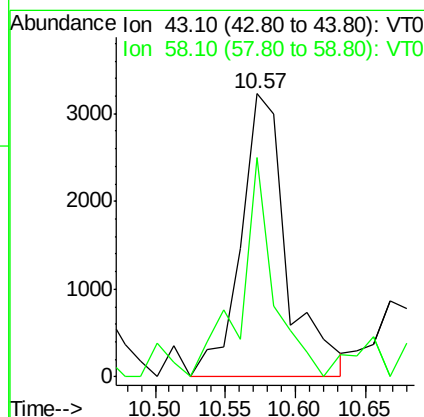
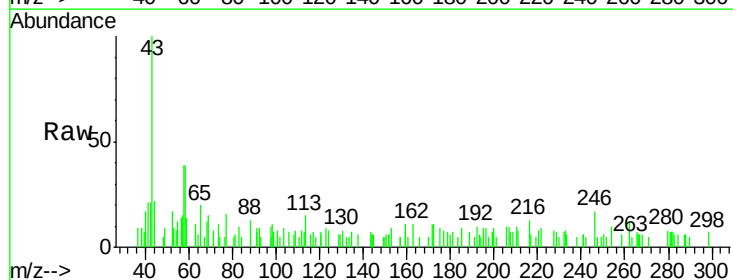
Instrument :
MSVOA_T
ClientSampled :

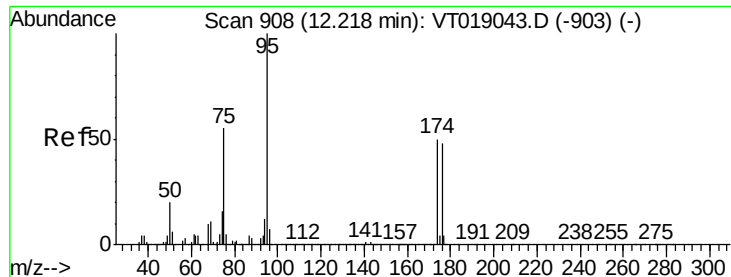
Tot Ion: 43 Resp: 7029
Ion Ratio Lower Upper
43 100
58 26.0 36.6 54.8#



#58
2-Hexanone
Concen: 2.87 ug/l
RT: 10.57 min Scan# 769
Delta R.T. -0.00 min
Lab File: VT019082.D
Acq: 10 May 2018 18:22

Tgt Ion: 43 Resp: 7353
Ion Ratio Lower Upper
43 100
58 91.2 30.6 92.0





#61

4-Bromofluorobenzene

Concen: 37.38 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: VT019082.D

Acq: 10 May 2018 18:22

Instrument :
MSVOA_T
ClientSampleId :

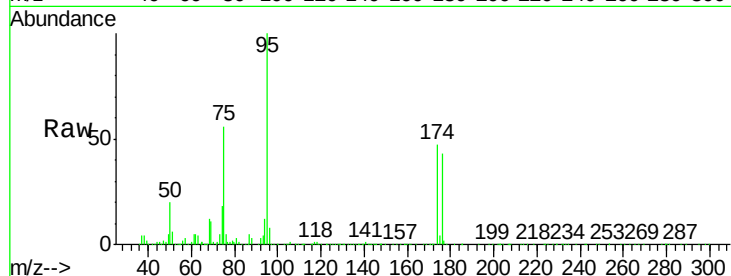
Tot Ion: 95 Resp: 425683

Ion Ratio Lower Upper

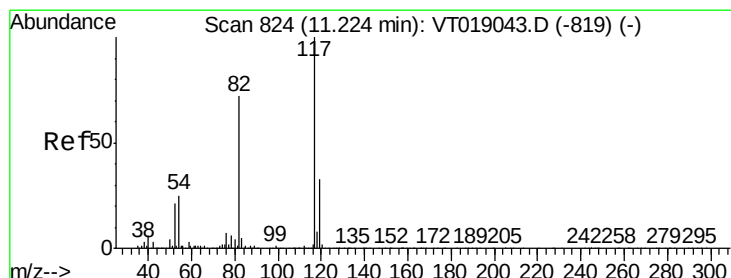
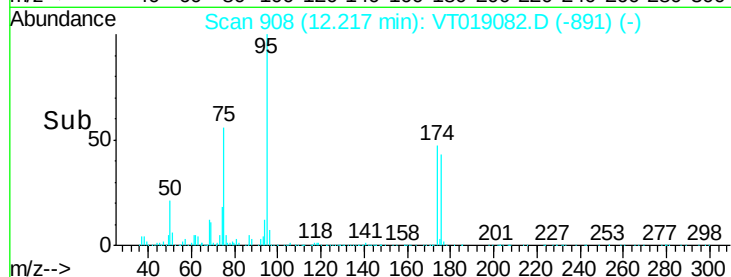
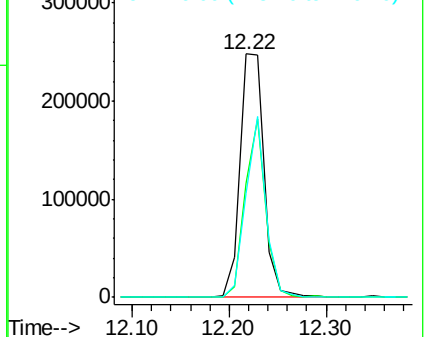
95 100

174 46.8 0.0 100.0

176 43.0 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: VT019082.D

Acq: 10 May 2018 18:22

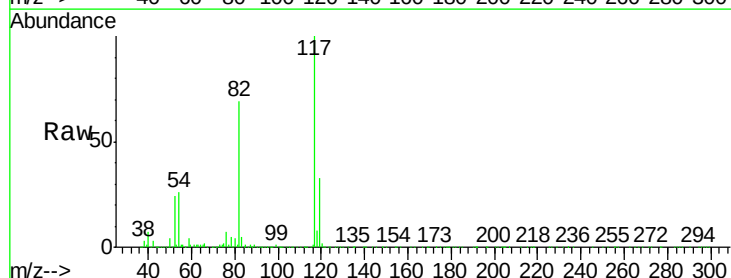
Tgt Ion: 117 Resp: 986254

Ion Ratio Lower Upper

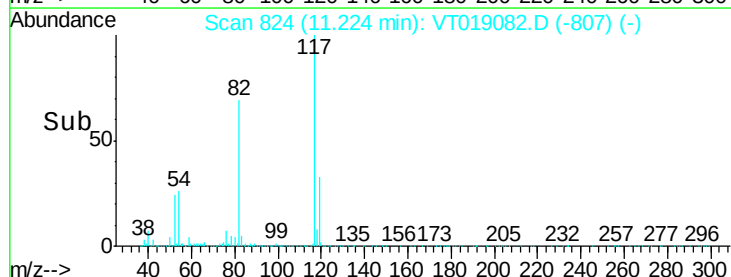
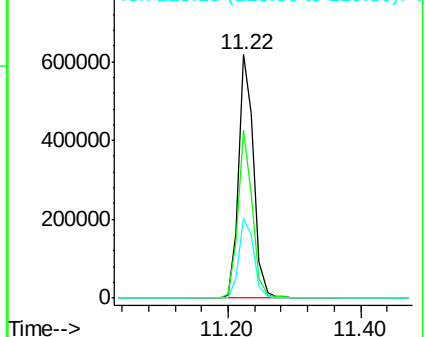
117 100

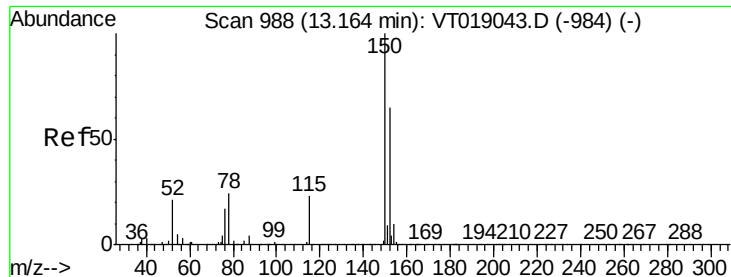
82 69.0 57.6 86.4

119 32.9 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

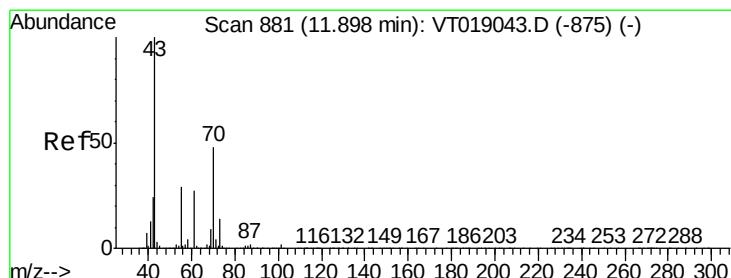
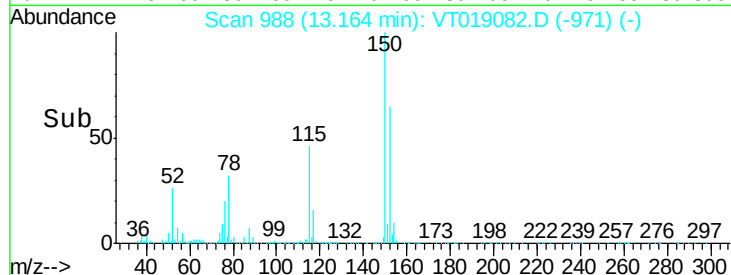
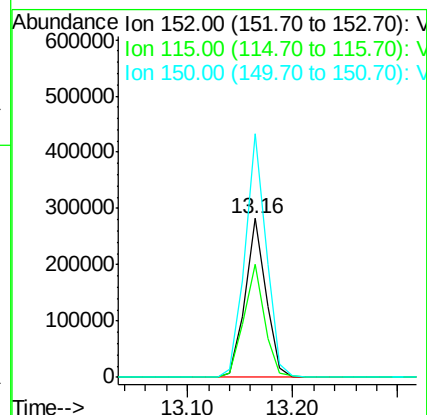
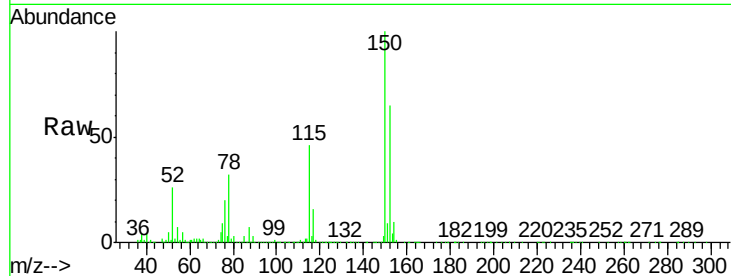
Delta R.T. -0.00 min

Lab File: VT019082.D

Acq: 10 May 2018 18:22

Instrument :
MSVOA_T
ClientSampled :

Tot Ion:	152	Resp:	385231
Ion	Ratio	Lower	Upper
152	100		
115	71.3	34.2	102.6
150	153.3	0.0	321.2



#73

N-amyl acetate

Concen: 2.02 ug/l

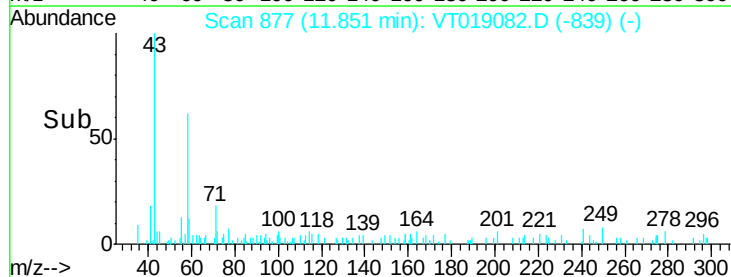
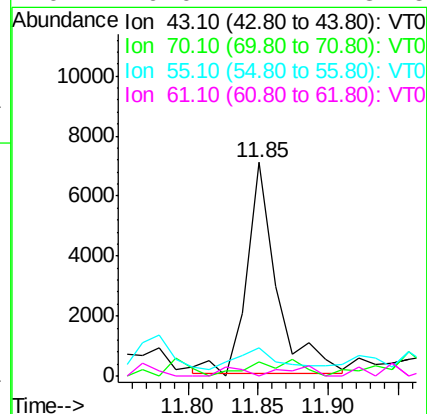
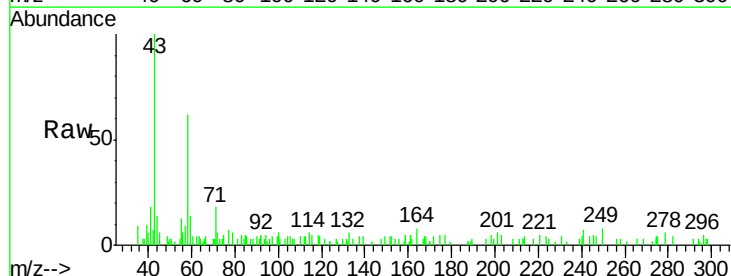
RT: 11.85 min Scan# 877

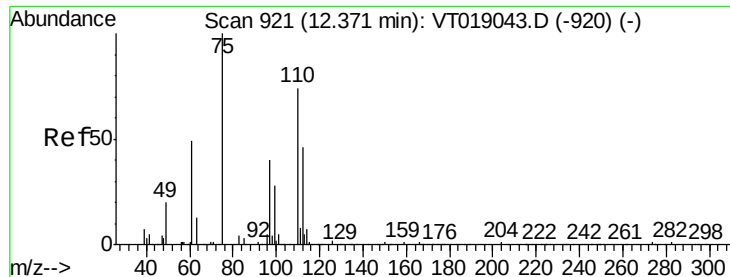
Delta R.T. -0.05 min

Lab File: VT019082.D

Acq: 10 May 2018 18:22

Tgt Ion:	43	Resp:	10364
Ion	Ratio	Lower	Upper
43	100		
70	6.8	38.2	57.4#
55	13.4	23.5	35.3#
61	0.0	21.7	32.5#





#75

1,2,3-Trichloropropane

Concen: 66.55 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.15 min

Lab File: VT019082.D

Acq: 10 May 2018 18:22

Instrument :

MSVOA_T

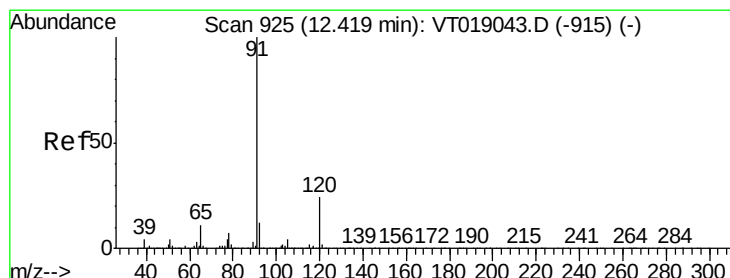
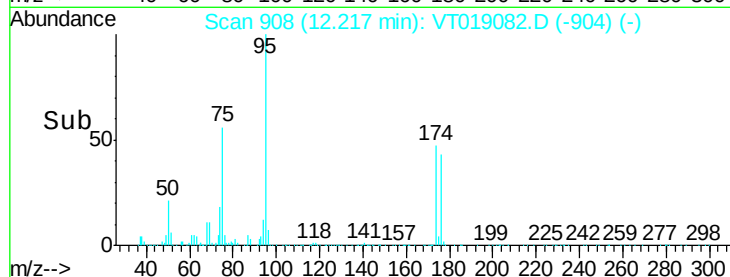
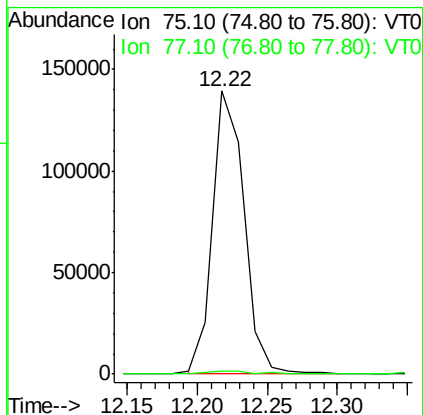
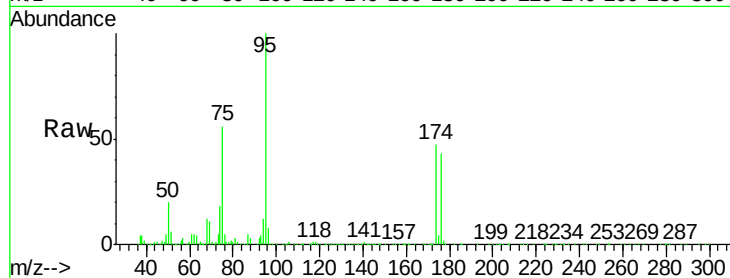
ClientSampleId :

Tot Ion: 75 Resp: 218061

Ion Ratio Lower Upper

75 100

77 1.3 21.1 63.1#



#77

n-propylbenzene

Concen: 1.39 ug/l

RT: 12.41 min Scan# 924

Delta R.T. -0.01 min

Lab File: VT019082.D

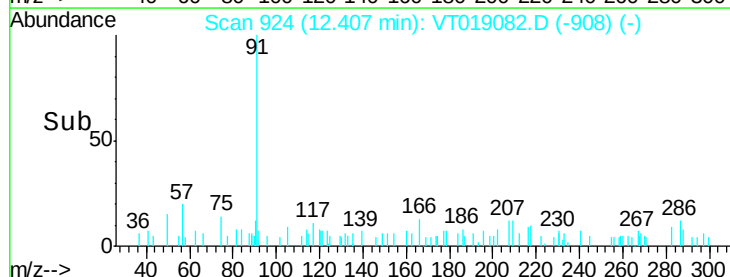
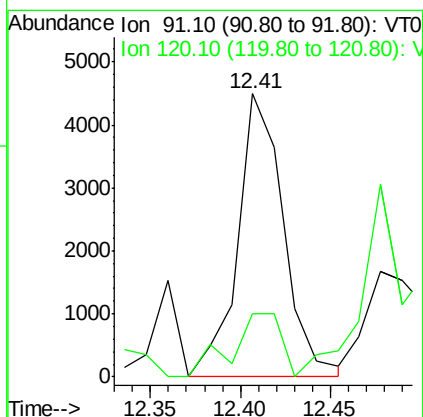
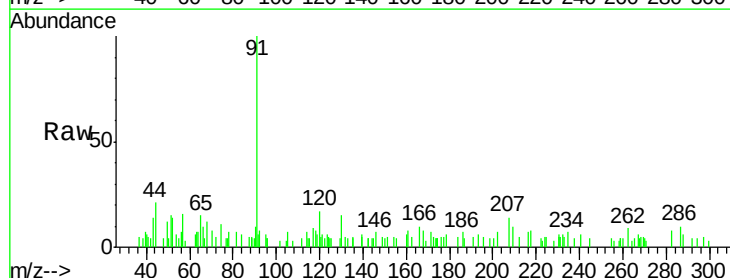
Acq: 10 May 2018 18:22

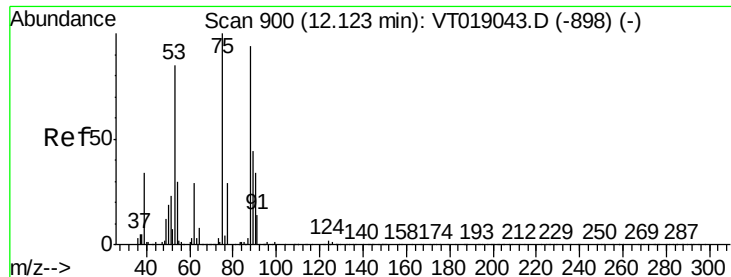
Tgt Ion: 91 Resp: 8013

Ion Ratio Lower Upper

91 100

120 21.3 12.0 36.1





#80

trans-1,4-Dichloro-2-butene

Concen: 177.55 ug/l

RT: 12.22 min Scan# 908

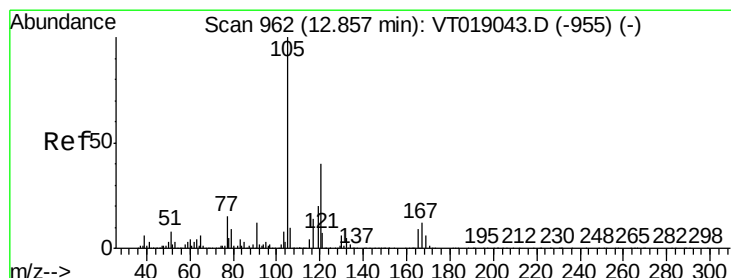
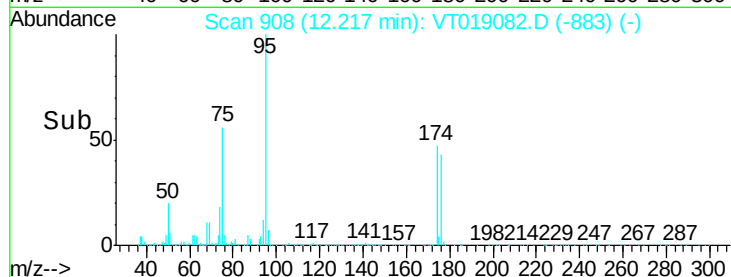
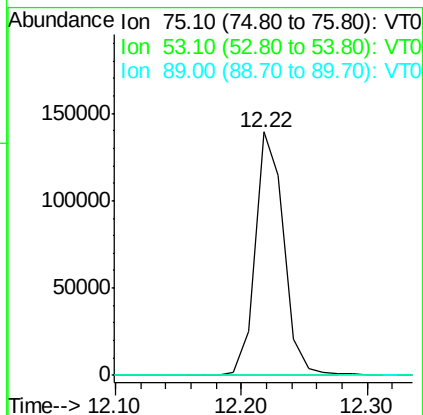
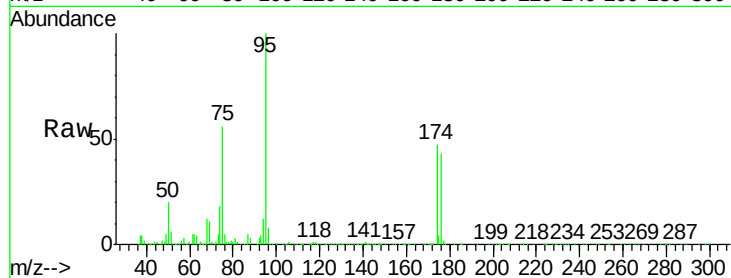
Delta R.T. 0.09 min

Lab File: VT019082.D

Acq: 10 May 2018 18:22

Instrument :
MSVOA_T
ClientSampled :

Tot Ion:	75	Resp:	218790
Ion	Ratio	Lower	Upper
75	100		
53	0.2	70.8	106.2#
89	0.0	35.8	53.8#



#83

1,2,4-Trimethylbenzene

Concen: 1.00 ug/l

RT: 12.86 min Scan# 962

Delta R.T. -0.00 min

Lab File: VT019082.D

Acq: 10 May 2018 18:22

Tgt Ion:	105	Resp:	27385
Ion	Ratio	Lower	Upper
105	100		
120	42.2	20.0	59.9

