

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
 Data File : VT019083.D
 Acq On : 10 May 2018 18:53
 Operator : SY/MD
 Sample : J2783-04RE
 Misc : 5.023g/5mL/MSVOA T/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :

Quant Time: May 11 02:27:44 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	390587	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	8.38	114	767719	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	547928	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	177981	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	220730	59.53	ug/l	0.00
Spiked Amount			Recovery	=	119.06%	
34) Dibromofluoromethane	7.35	113	206102	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
49) Toluene-d8	9.91	98	643624	34.90	ug/l	0.01
Spiked Amount			Recovery	=	69.80%	
61) 4-Bromofluorobenzene	12.22	95	218856	31.52	ug/l	0.00
Spiked Amount			Recovery	=	63.04%	

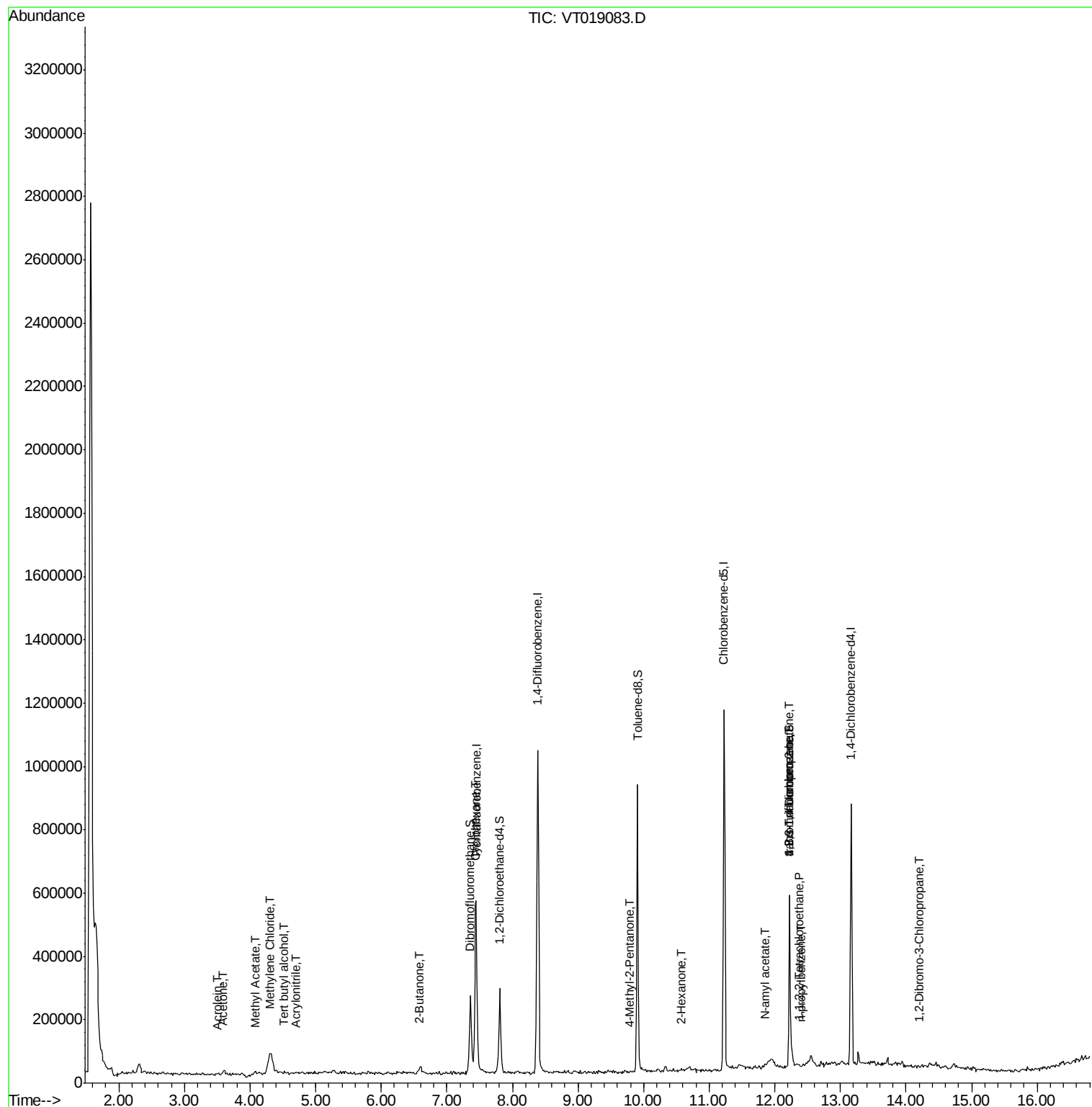
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.51	59	1705	9.09	ug/l #	74
13) Acrolein	3.51	56	451	4.93	ug/l	94
15) Acrylonitrile	4.70	53	1299	1.80	ug/l #	17
16) Acetone	3.59	43	31105	79.03	ug/l	94
18) Methyl Acetate	4.08	43	14681	7.26	ug/l #	80
20) Methylene Chloride	4.30	84	79065	18.65	ug/l	95
25) 2-Butanone	6.58	43	10635	12.00	ug/l	94
30) Cyclohexane	7.44	56	12321	1.28	ug/l #	10
48) 1,4-Dioxane	9.00	88	203	Below Cal	#	52
50) 4-Methyl-2-Pentanone	9.79	43	3627	1.68	ug/l #	31
58) 2-Hexanone	10.57	43	5282	3.38	ug/l	78
73) N-amyl acetate	11.85	43	5468	2.31	ug/l #	53
74) 1,1,2,2-Tetrachloroethane	12.37	83	2352	1.11	ug/l #	22
75) 1,2,3-Trichloropropane	12.22	75	107317	70.89	ug/l #	39
77) n-propylbenzene	12.39	91	4197	1.41	ug/l	77
80) trans-1,4-Dichloro-2-buten	12.22	75	108157	189.97	ug/l #	15
91) 1,2-Dibromo-3-Chloropropan	14.21	75	702	2.30	ug/l	87

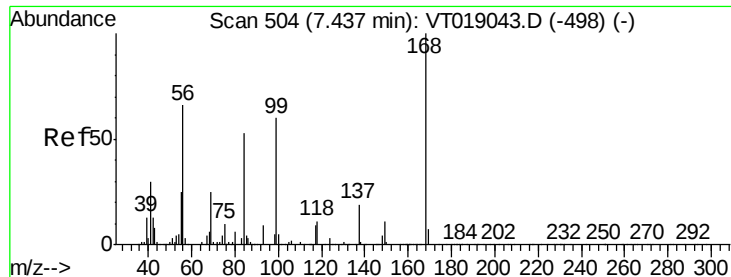
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
Data File : VT019083.D
Acq On : 10 May 2018 18:53
Operator : SY/MD
Sample : J2783-04RE
Misc : 5.023g/5mL/MSVOA T/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_T
ClientSampleId :

Quant Time: May 11 02:27:44 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 505

Delta R.T. 0.01 min

Lab File: VT019083.D

Acq: 10 May 2018 18:53

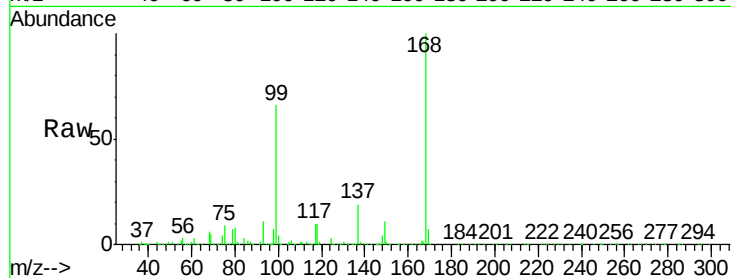
Instrument :
MSVOA_T
ClientSampleId :

Tot Ion:168 Resp: 390587

Ion Ratio Lower Upper

168 100

99 66.0 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

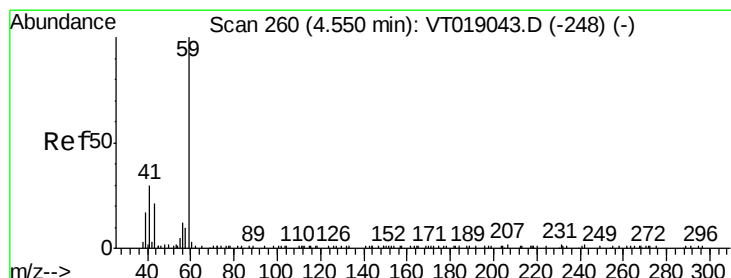
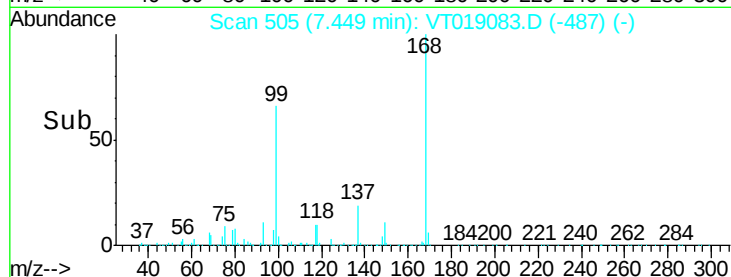
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#11

Tert butyl alcohol

Concen: 9.09 ug/l

RT: 4.51 min Scan# 257

Delta R.T. -0.04 min

Lab File: VT019083.D

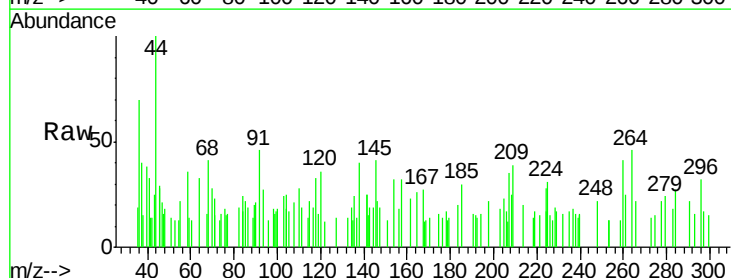
Acq: 10 May 2018 18:53

Tgt Ion: 59 Resp: 1705

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.10 (58.80 to 59.80): VT0

Ion 57.10 (56.80 to 57.80): VT0

4.51

800

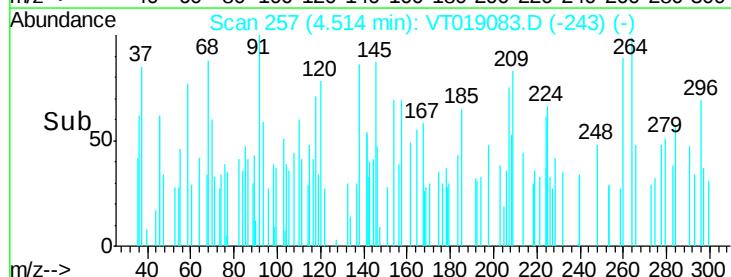
600

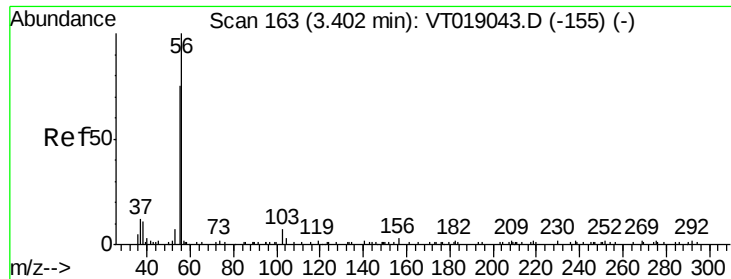
400

200

0

Time--> 4.45 4.50 4.55 4.60





#13

Acrolein

Concen: 4.93 ug/l

RT: 3.51 min Scan# 172

Delta R.T. 0.11 min

Lab File: VT019083.D

Acq: 10 May 2018 18:53

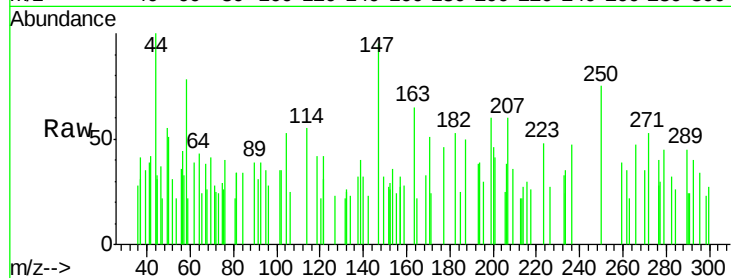
Instrument :
MSVOA_T
ClientSampled :

Tot Ion: 56 Resp: 451

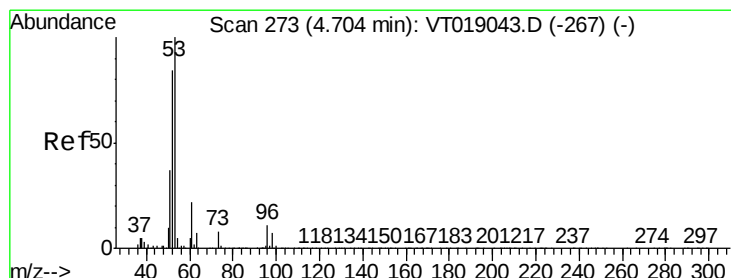
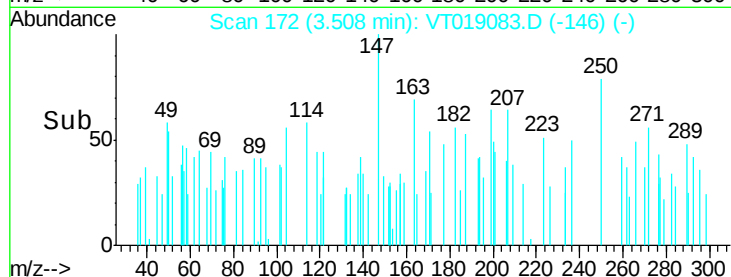
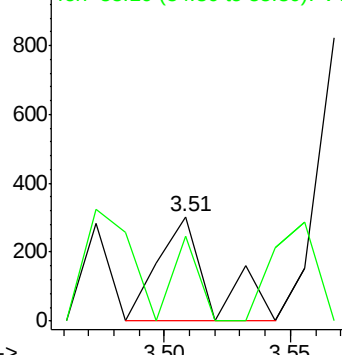
Ion Ratio Lower Upper

56 100

55 80.9 60.8 91.2



Abundance Ion 56.10 (55.80 to 56.80): VT0
Ion 55.10 (54.80 to 55.80): VT0



#15

Acrylonitrile

Concen: 1.80 ug/l

RT: 4.70 min Scan# 273

Delta R.T. -0.00 min

Lab File: VT019083.D

Acq: 10 May 2018 18:53

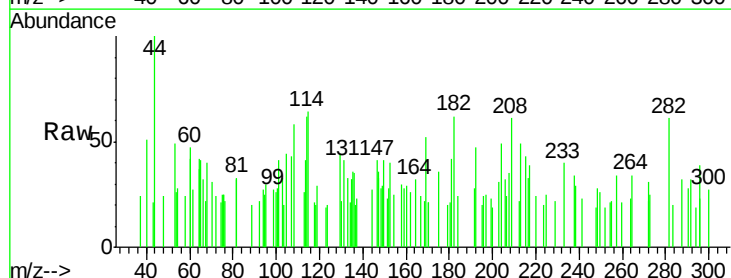
Tgt Ion: 53 Resp: 1299

Ion Ratio Lower Upper

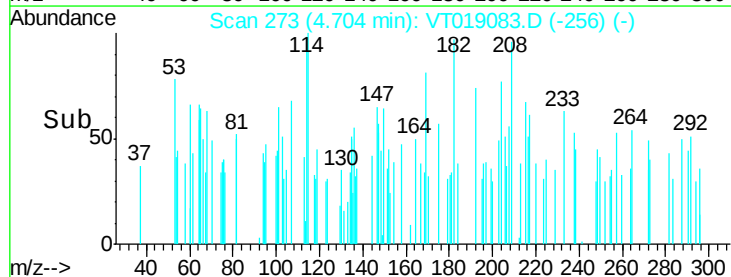
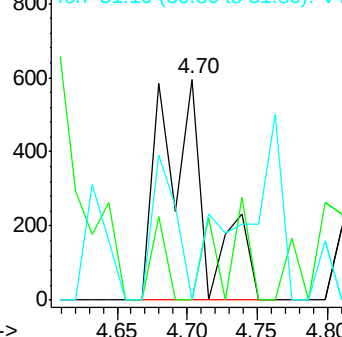
53 100

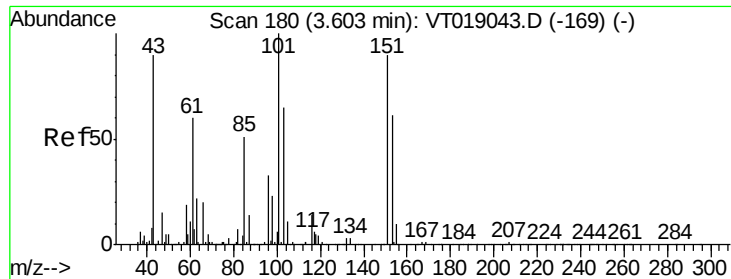
52 0.0 67.4 101.0#

51 0.0 29.6 44.4#



Abundance Ion 53.10 (52.80 to 53.80): VT0
Ion 52.10 (51.80 to 52.80): VT0
Ion 51.10 (50.80 to 51.80): VT0

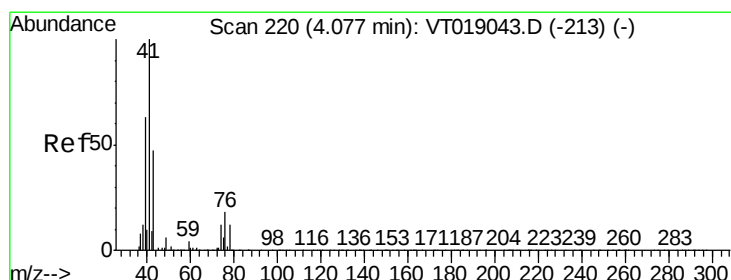
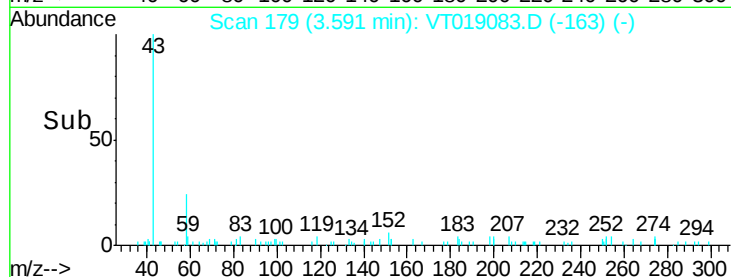
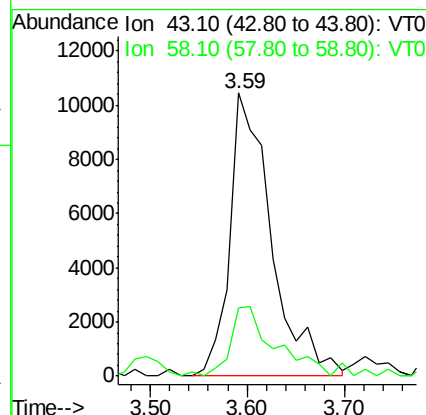
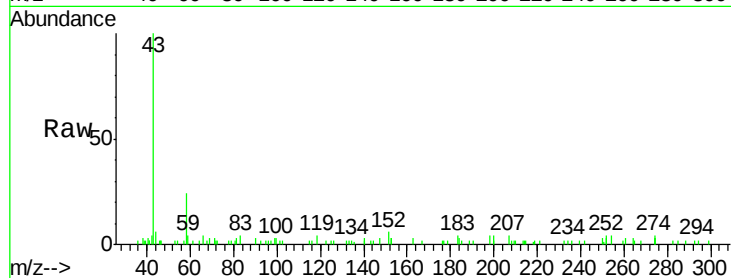




#16
Acetone
Concen: 79.03 ug/l
RT: 3.59 min Scan# 179
Delta R.T. -0.01 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

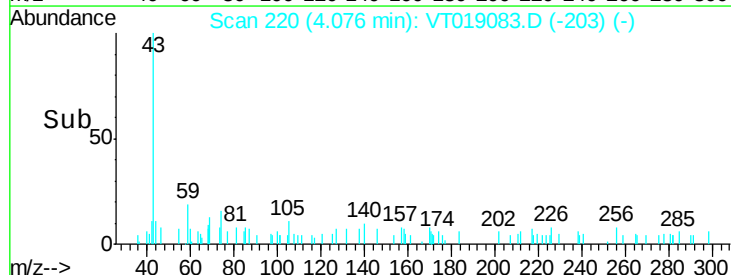
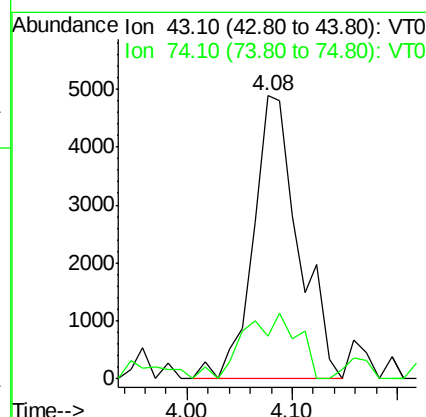
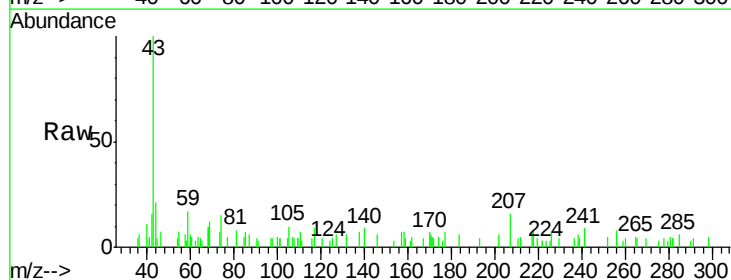
Instrument :
MSVOA_T
ClientSampleId :

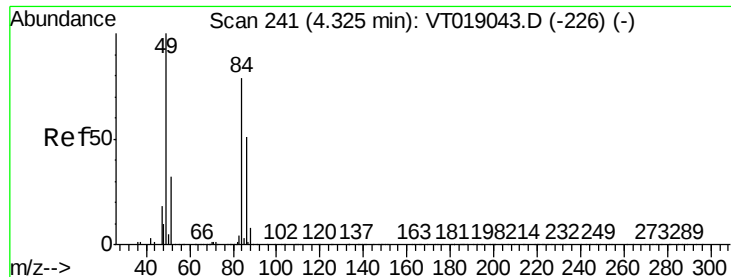
Tot Ion: 43 Resp: 31105
Ion Ratio Lower Upper
43 100
58 23.9 16.7 25.1



#18
Methyl Acetate
Concen: 7.26 ug/l
RT: 4.08 min Scan# 220
Delta R.T. -0.00 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

Tgt Ion: 43 Resp: 14681
Ion Ratio Lower Upper
43 100
74 14.9 19.8 29.8#

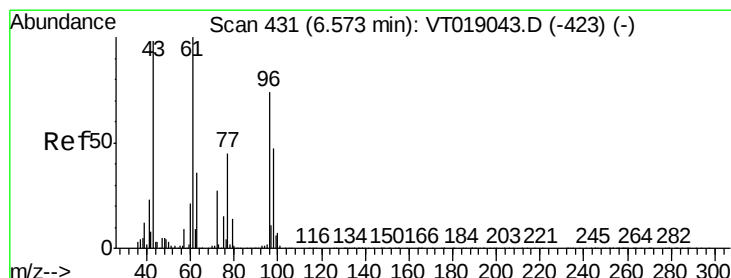
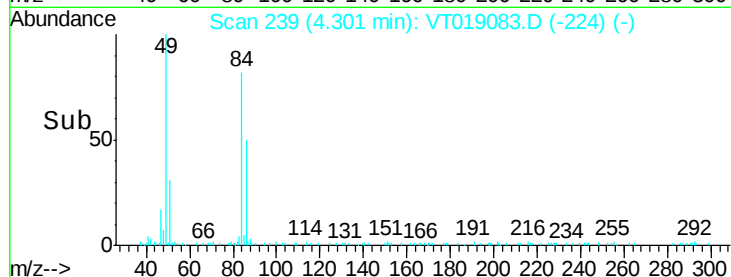
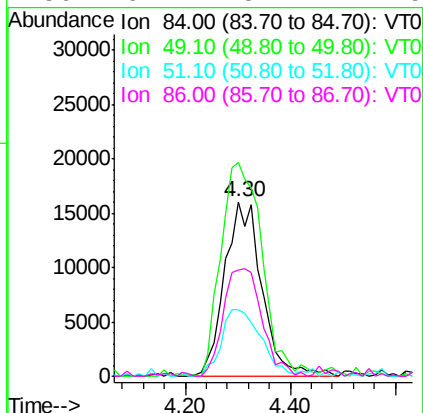
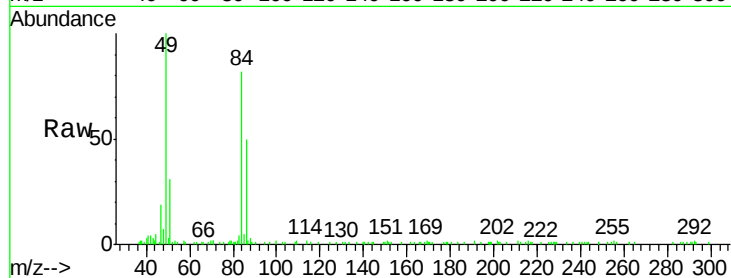




#20
Methvlene Chloride
Concen: 18.65 ug/l
RT: 4.30 min Scan# 239
Delta R.T. -0.02 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

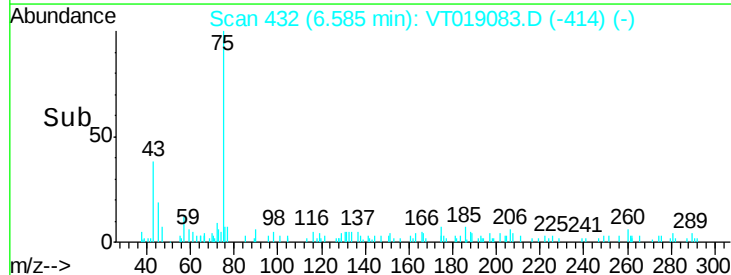
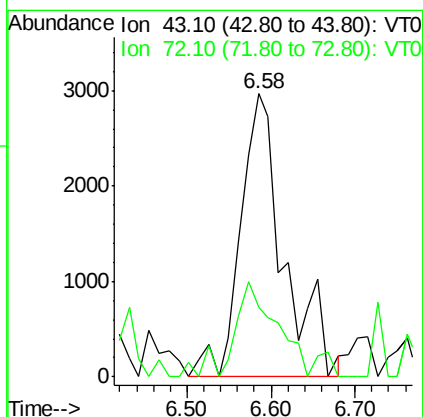
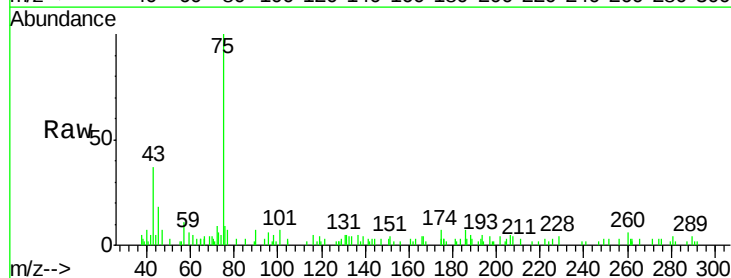
Instrument :
MSVOA_T
ClientSampleId :

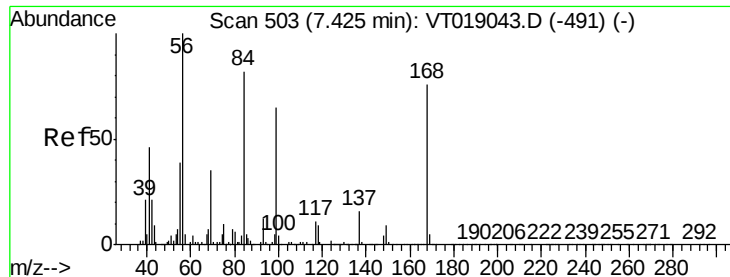
Tot Ion: 84 Resp: 79065
Ion Ratio Lower Upper
84 100
49 122.7 103.0 154.4
51 38.0 33.3 49.9
86 61.2 51.7 77.5



#25
2-Butanone
Concen: 12.00 ug/l
RT: 6.58 min Scan# 432
Delta R.T. 0.01 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

Tgt Ion: 43 Resp: 10635
Ion Ratio Lower Upper
43 100
72 24.4 22.1 33.1

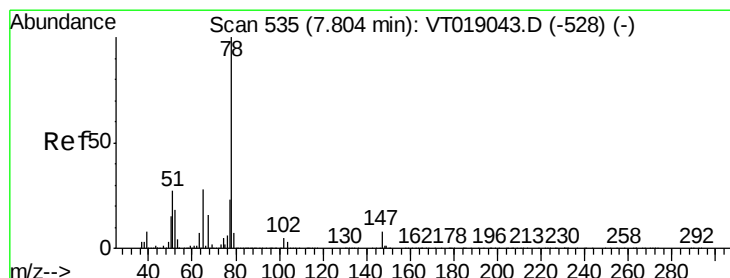
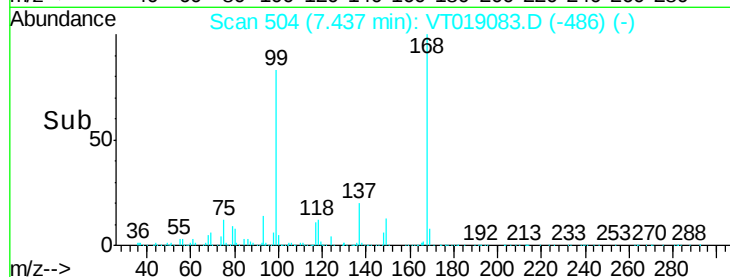
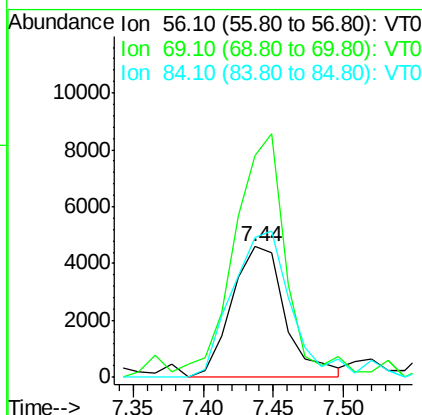
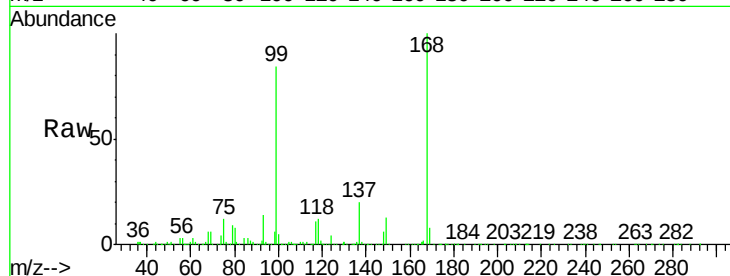




#30
Cyclohexane
Concen: 1.28 ug/l
RT: 7.44 min Scan# 504
Delta R.T. 0.01 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

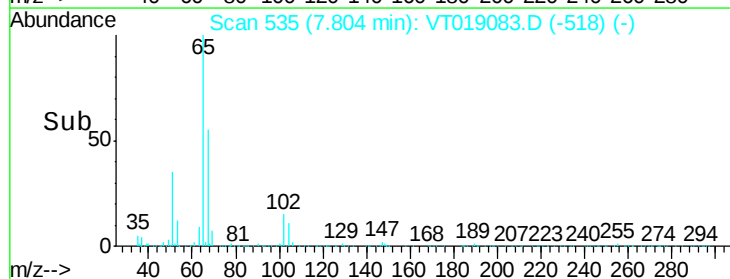
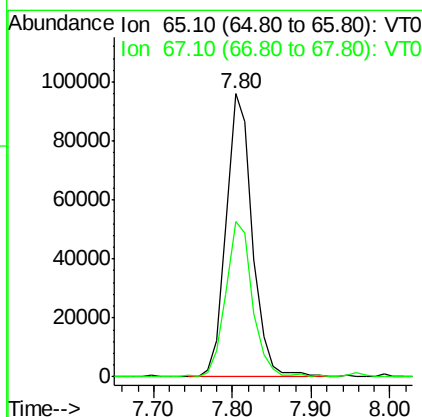
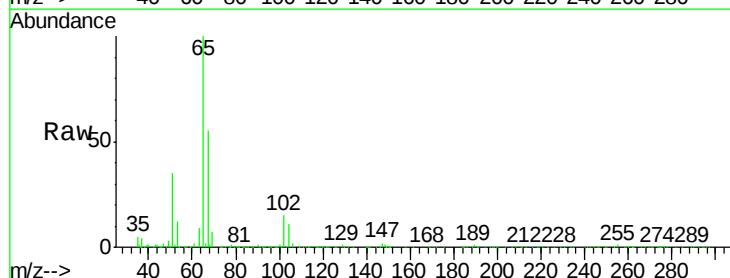
Instrument :
MSVOA_T
ClientSampled :

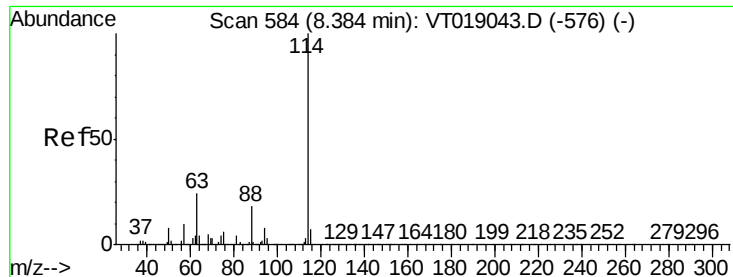
Tot Ion: 56 Resp: 12321
Ion Ratio Lower Upper
56 100
69 170.1 28.2 42.2#
84 107.6 65.6 98.4#



#32
1,2-Dichloroethane-d4
Concen: 59.53 ug/l
RT: 7.80 min Scan# 535
Delta R.T. -0.00 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

Tgt Ion: 65 Resp: 220730
Ion Ratio Lower Upper
65 100
67 54.8 0.0 114.2

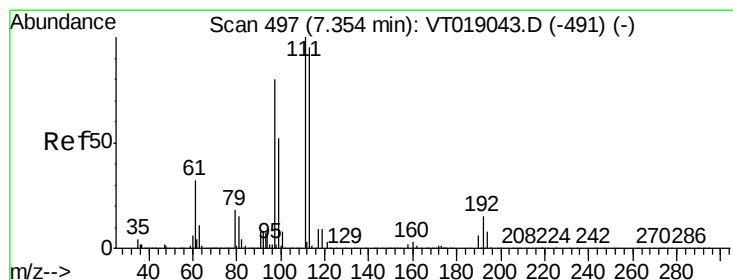
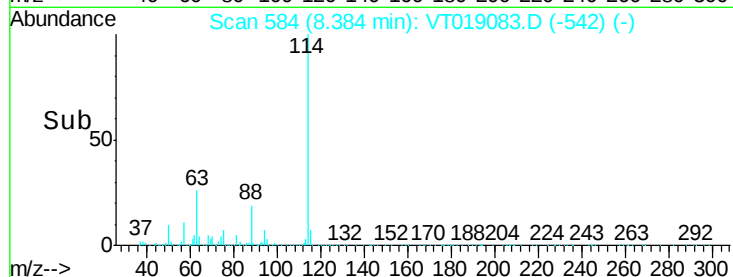
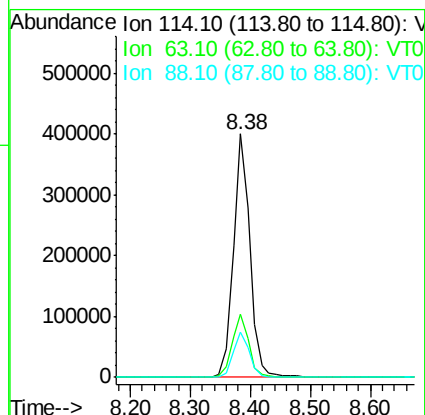
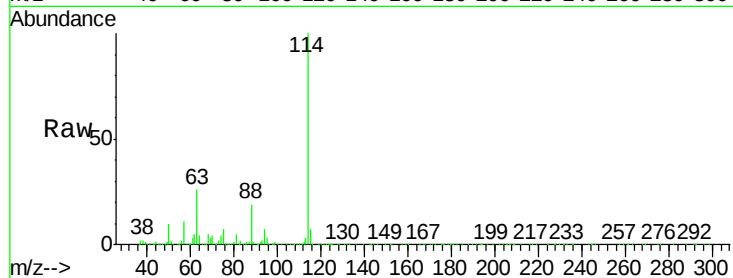




#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.38 min Scan# 584
Delta R.T. -0.00 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

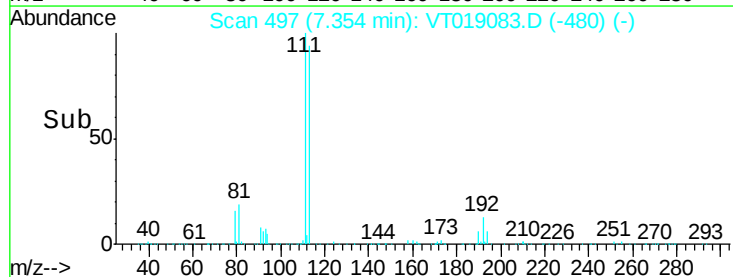
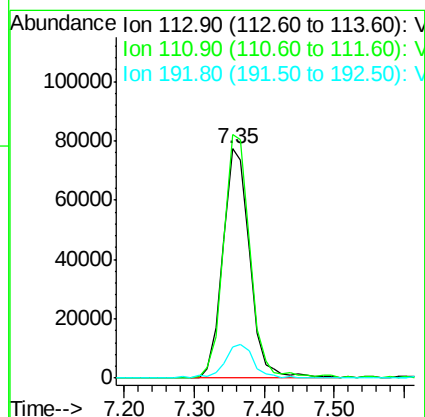
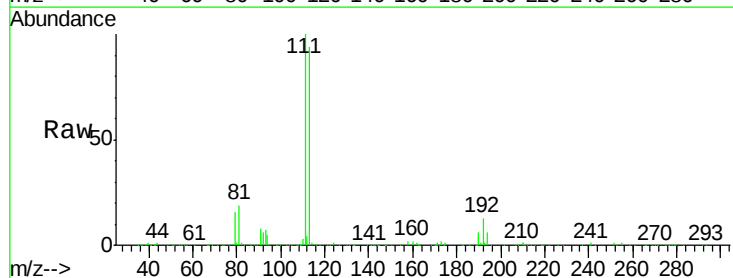
Instrument :
MSVOA_T
ClientSampleId :

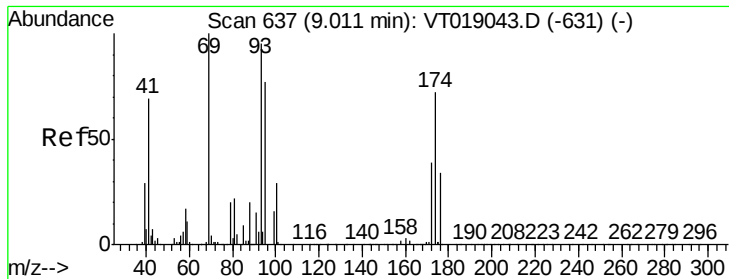
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.8	0.0	48.8
88	18.6	0.0	37.0



#34
Dibromofluoromethane
Concen: 47.94 ug/l
RT: 7.35 min Scan# 497
Delta R.T. -0.00 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.4	84.0	126.0
192	13.4	12.9	19.3

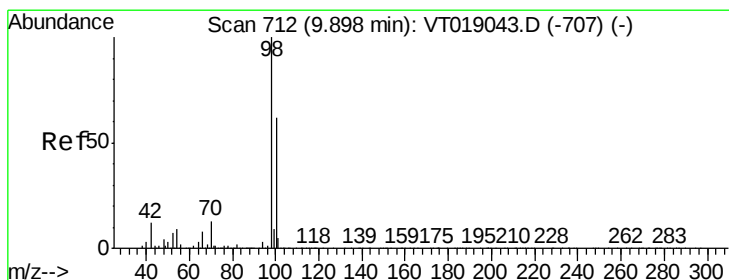
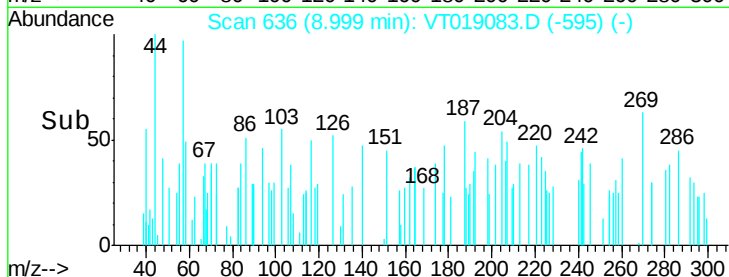
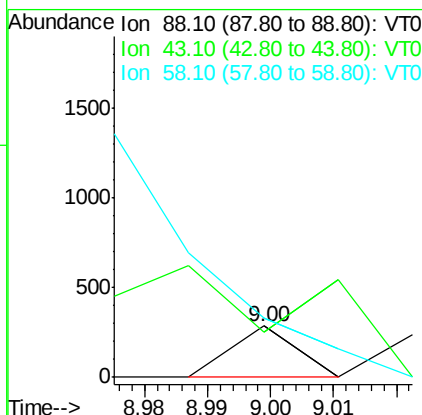
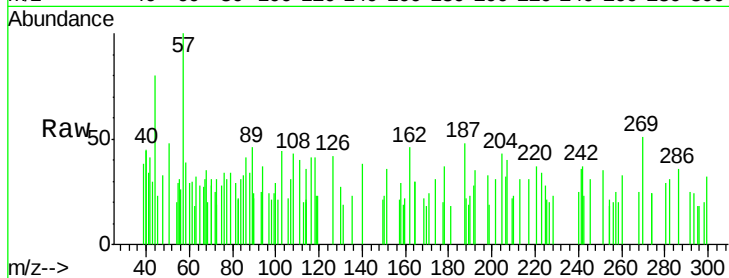




#48
1,4-Dioxane
Concen: Below Cal
RT: 9.00 min Scan# 636
Delta R.T. -0.01 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

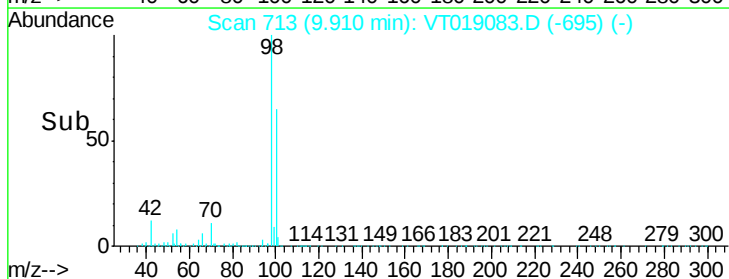
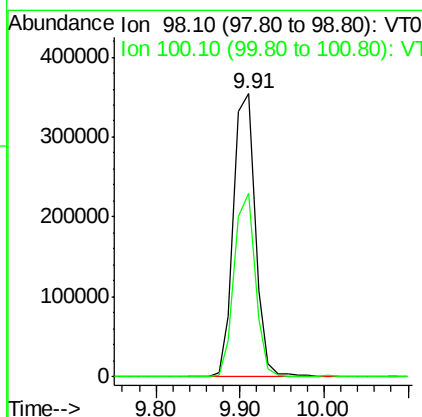
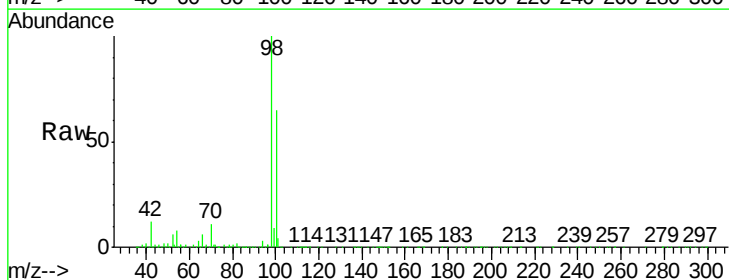
Instrument :
MSVOA_T
ClientSampled :

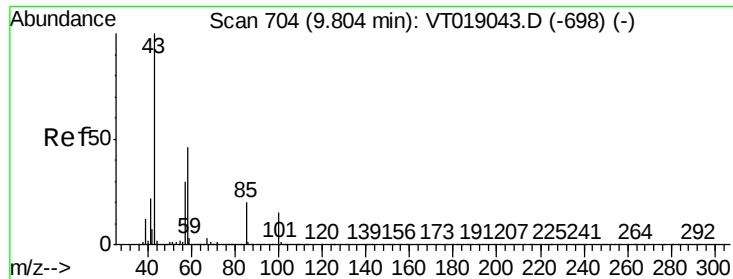
Tot Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
43 87.4 30.5 45.7#
58 114.0 67.5 101.3#



#49
Toluene-d8
Concen: 34.90 ug/l
RT: 9.91 min Scan# 713
Delta R.T. 0.01 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

Tgt Ion: 98 Resp: 643624
Ion Ratio Lower Upper
98 100
100 64.9 50.0 75.0

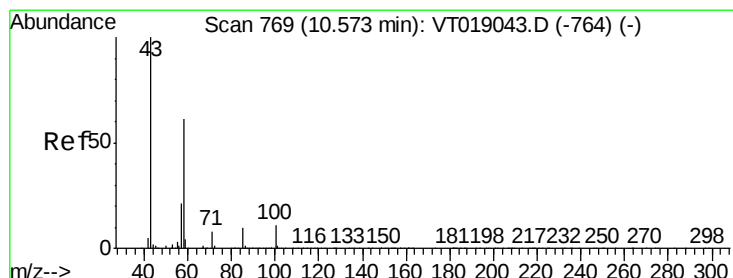
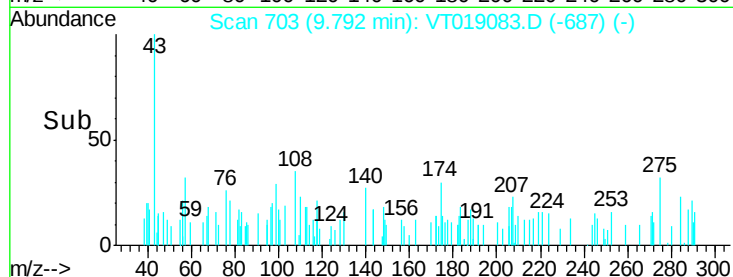
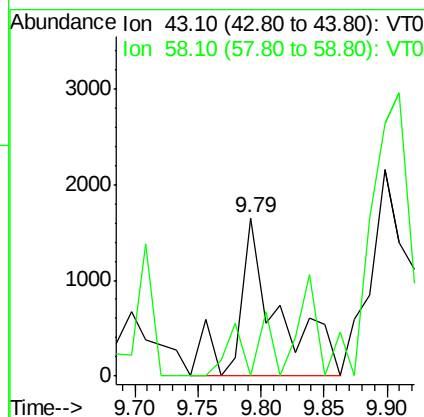
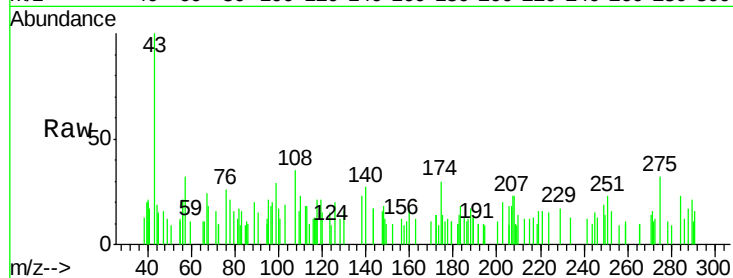




#50
4-Methyl-2-Pentanone
Concen: 1.68 ug/l
RT: 9.79 min Scan# 703
Delta R.T. -0.01 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

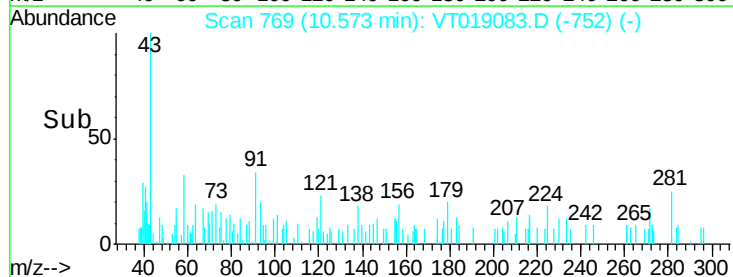
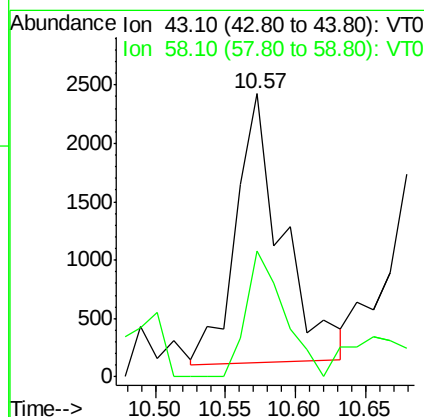
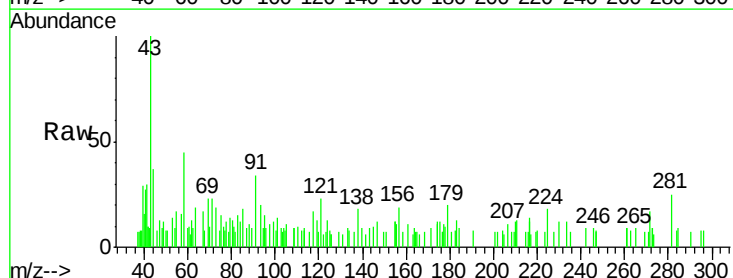
Instrument :
MSVOA_T
ClientSampled :

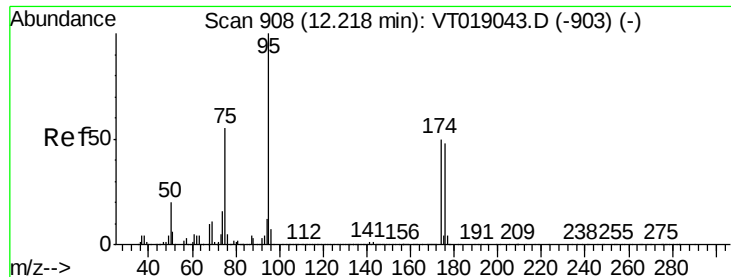
Tot Ion: 43 Resp: 3627
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#



#58
2-Hexanone
Concen: 3.38 ug/l
RT: 10.57 min Scan# 769
Delta R.T. -0.00 min
Lab File: VT019083.D
Acq: 10 May 2018 18:53

Tgt Ion: 43 Resp: 5282
Ion Ratio Lower Upper
43 100
58 44.5 30.6 92.0





#61

4-Bromofluorobenzene

Concen: 31.52 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: VT019083.D

Acq: 10 May 2018 18:53

Instrument :
MSVOA_T
ClientSampleId :

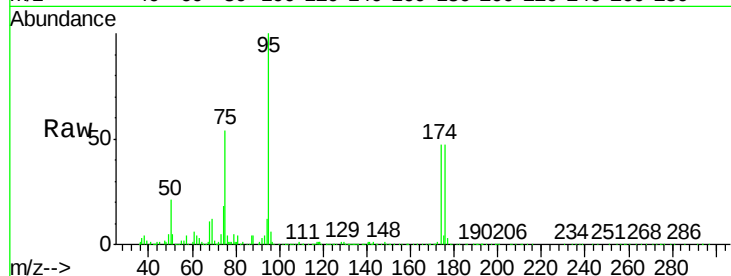
Tot Ion: 95 Resp: 218856

Ion Ratio Lower Upper

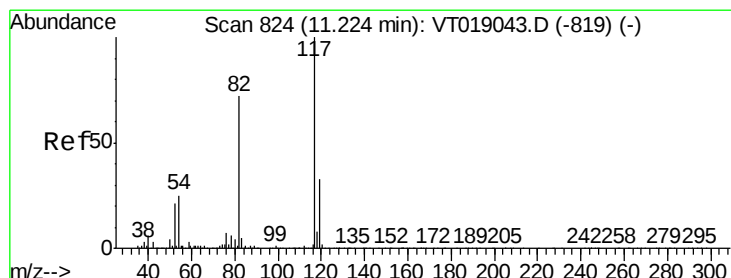
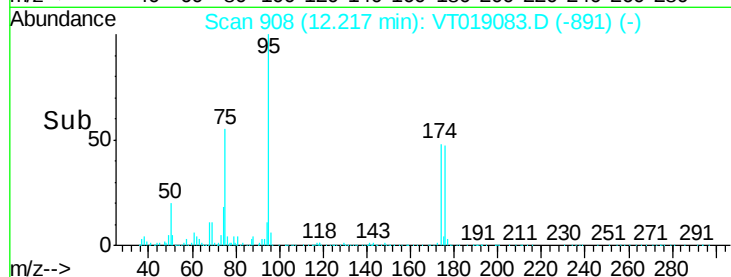
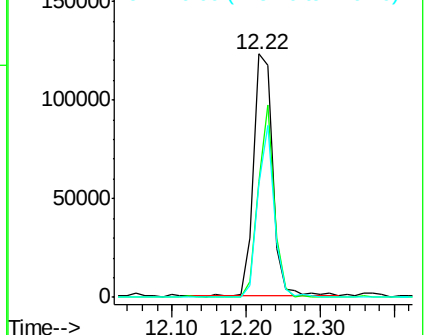
95 100

174 47.5 0.0 100.0

176 46.5 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: VT019083.D

Acq: 10 May 2018 18:53

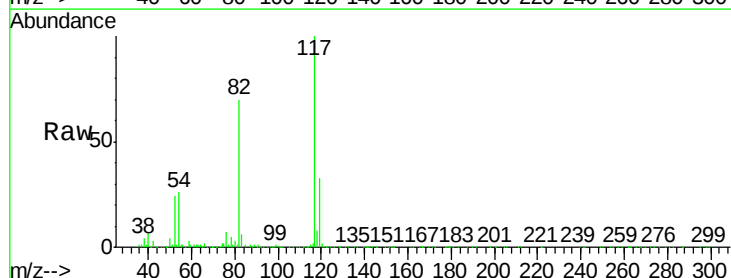
Tgt Ion: 117 Resp: 547928

Ion Ratio Lower Upper

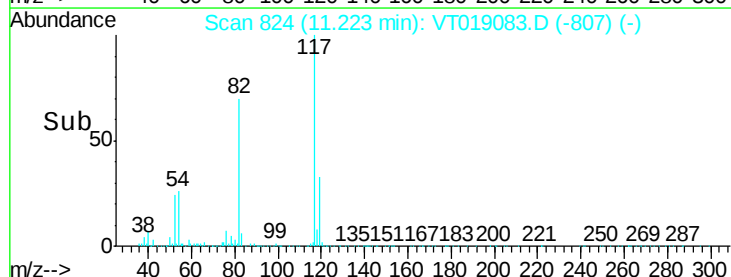
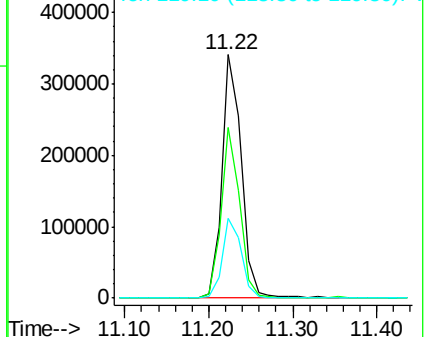
117 100

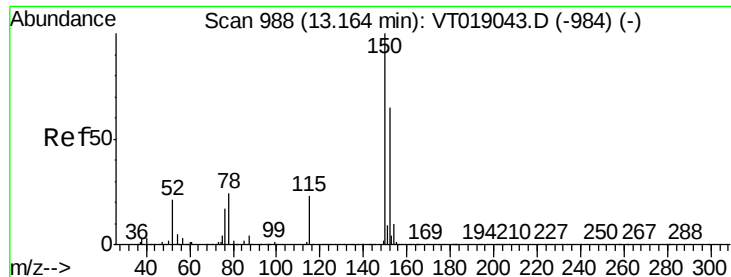
82 70.1 57.6 86.4

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: VT019083.D

Acq: 10 May 2018 18:53

Instrument :
MSVOA_T
ClientSampled :

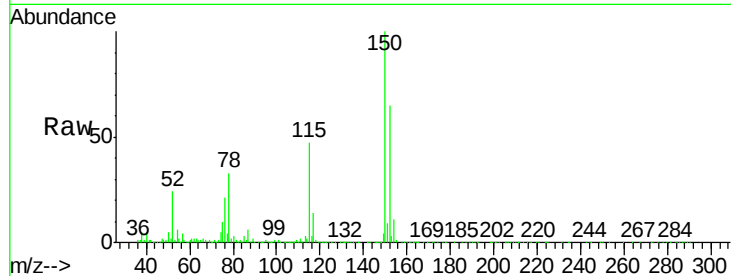
Tot Ion:152 Resp: 177981

Ion Ratio Lower Upper

152 100

115 73.1 34.2 102.6

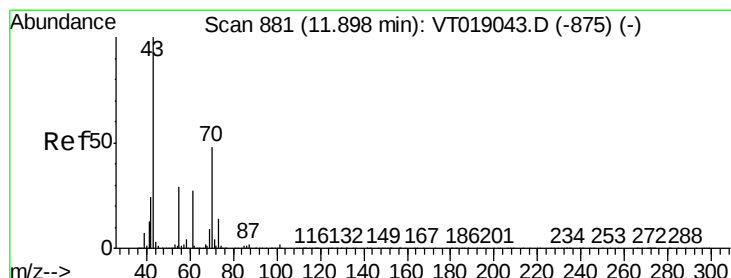
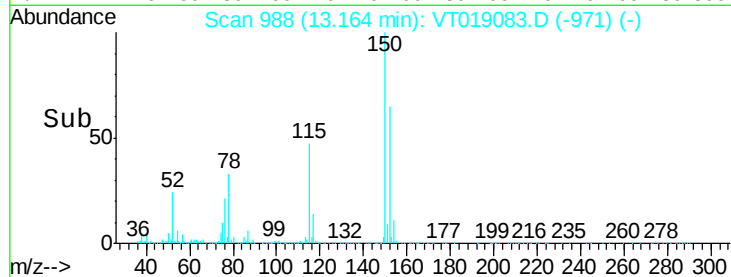
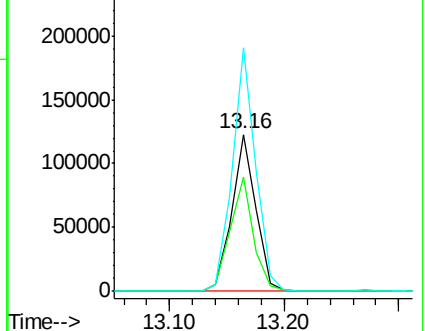
150 154.9 0.0 321.2



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



#73

N-ethyl acetate

Concen: 2.31 ug/l

RT: 11.85 min Scan# 877

Delta R.T. -0.05 min

Lab File: VT019083.D

Acq: 10 May 2018 18:53

Tgt Ion: 43 Resp: 5468

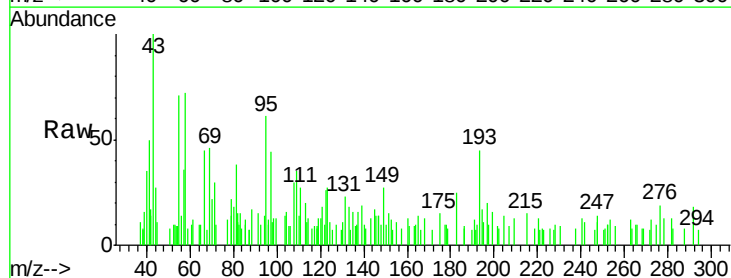
Ion Ratio Lower Upper

43 100

70 22.2 38.2 57.4#

55 70.8 23.5 35.3#

61 12.3 21.7 32.5#

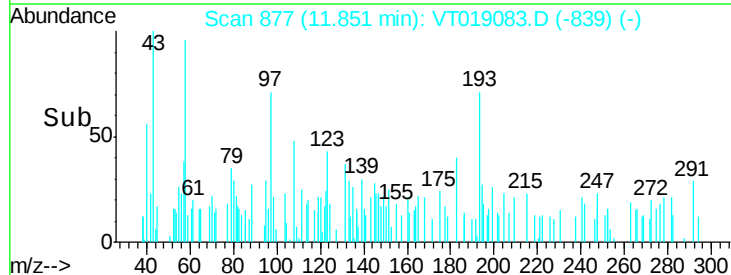
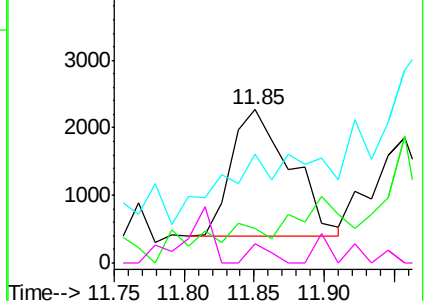


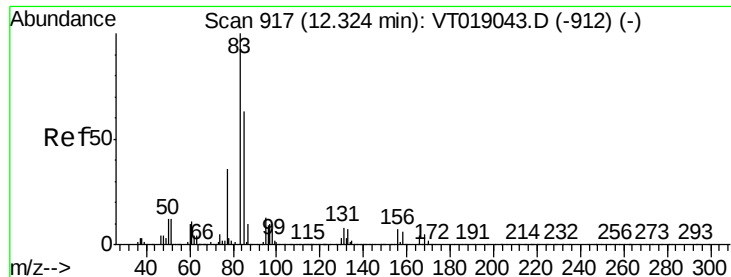
Abundance Ion 43.10 (42.80 to 43.80): VT0

Ion 70.10 (69.80 to 70.80): VT0

Ion 55.10 (54.80 to 55.80): VT0

Ion 61.10 (60.80 to 61.80): VT0





#74

1,1,2,2-Tetrachloroethane

Concen: 1.11 ug/l

RT: 12.37 min Scan# 921

Delta R.T. 0.05 min

Lab File: VT019083.D

Acq: 10 May 2018 18:53

Instrument :

MSVOA_T

ClientSampled :

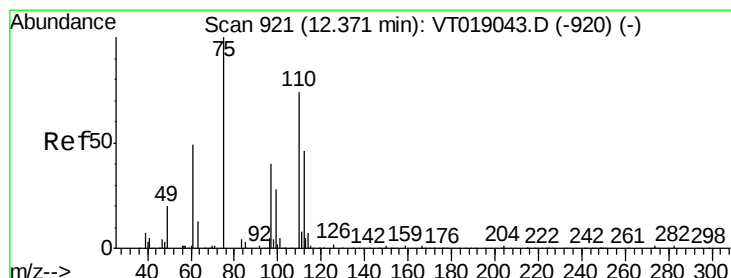
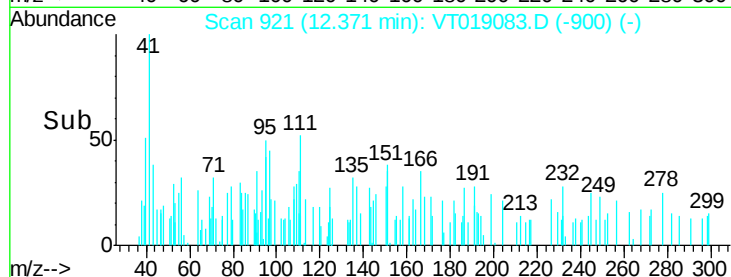
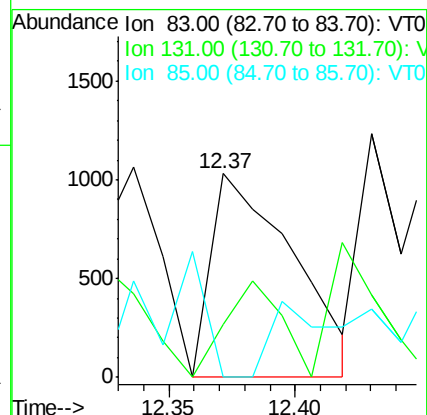
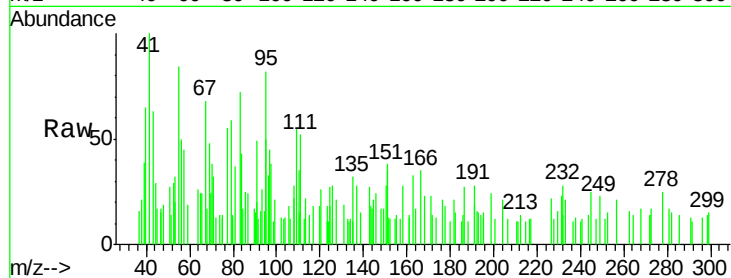
Tot Ion: 83 Resp: 2352

Ion Ratio Lower Upper

83 100

131 26.0 4.0 12.2#

85 0.0 31.4 94.3#



#75

1,2,3-Trichloropropane

Concen: 70.89 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.15 min

Lab File: VT019083.D

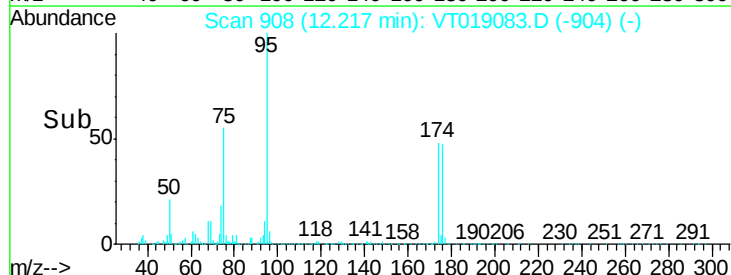
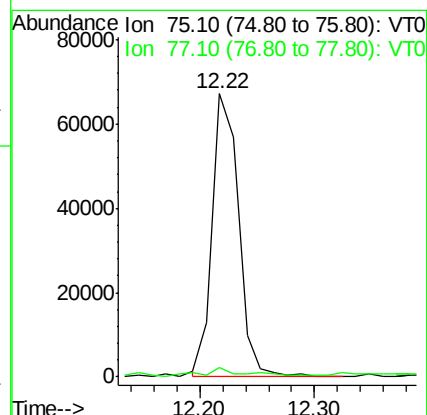
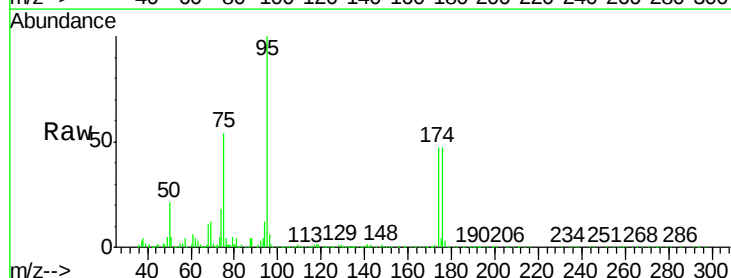
Acq: 10 May 2018 18:53

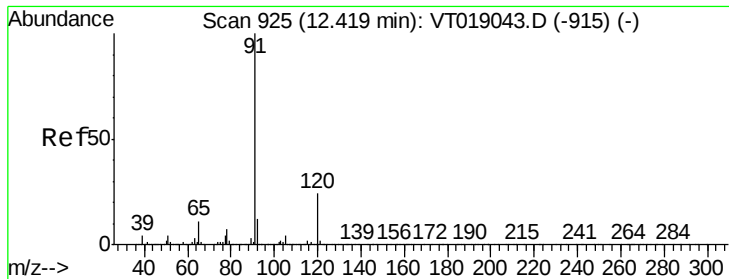
Tgt Ion: 75 Resp: 107317

Ion Ratio Lower Upper

75 100

77 3.5 21.1 63.1#





#77

n-propylbenzene

Concen: 1.41 ug/l

RT: 12.39 min Scan# 923

Delta R.T. -0.02 min

Lab File: VT019083.D

Acq: 10 May 2018 18:53

Instrument :

MSVOA_T

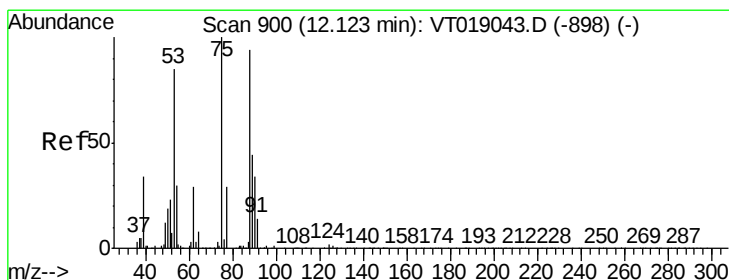
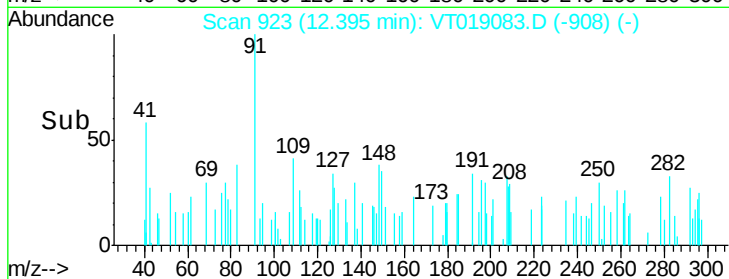
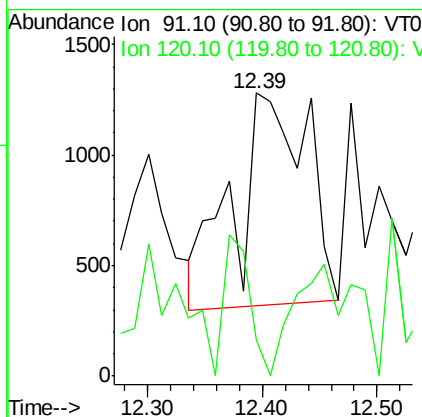
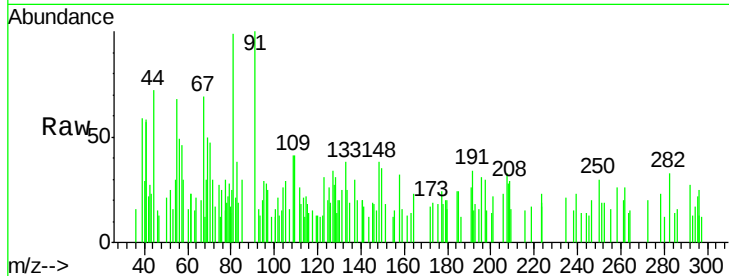
ClientSampled :

Tot Ion: 91 Resp: 4197

Ion Ratio Lower Upper

91 100

120 12.9 12.0 36.1



#80

trans-1,4-Dichloro-2-butene

Concen: 189.97 ug/l

RT: 12.22 min Scan# 908

Delta R.T. 0.09 min

Lab File: VT019083.D

Acq: 10 May 2018 18:53

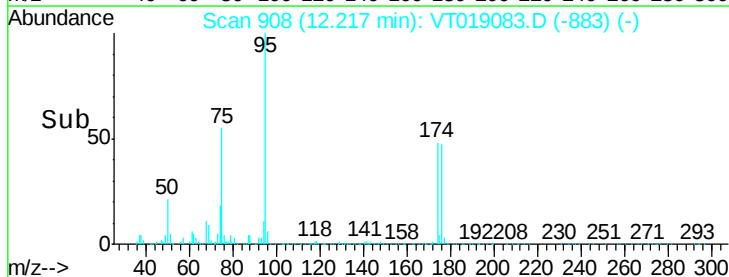
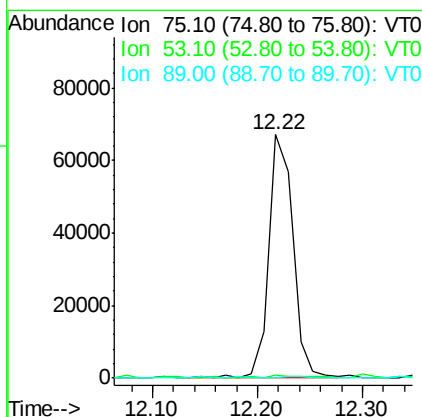
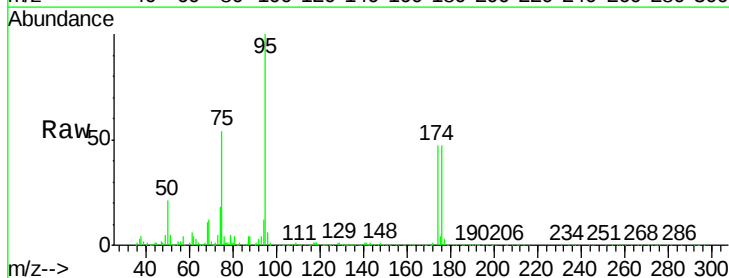
Tgt Ion: 75 Resp: 108157

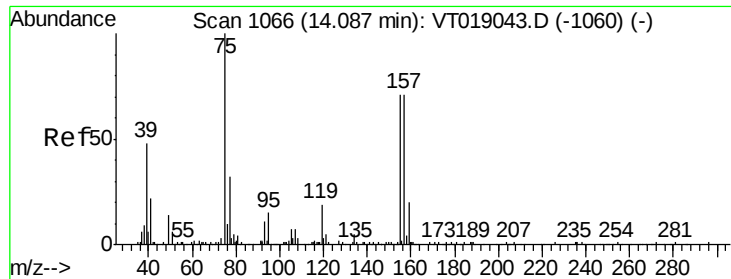
Ion Ratio Lower Upper

75 100

53 1.3 70.8 106.2#

89 0.0 35.8 53.8#





#91

1,2-Dibromo-3-Chloropropane

Concen: 2.30 ug/l

RT: 14.21 min Scan# 1076

Delta R.T. 0.12 min

Lab File: VT019083.D

Acq: 10 May 2018 18:53

Instrument :

MSVOA_T

ClientSampleId :

Tot Ion: 75 Resp: 702

Ion Ratio Lower Upper

75 100

155 51.0 35.6 106.8

157 70.2 35.8 107.3

