

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
 Data File : VT019080.D
 Acq On : 10 May 2018 17:20
 Operator : SY/MD
 Sample : J2805-02RE
 Misc : 4.84g/5mL/MSVOA T/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :

Quant Time: May 11 02:26:53 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	649179	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	8.38	114	1227998	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	974155	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	356898	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	279842	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
34) Dibromofluoromethane	7.35	113	280212	40.75	ug/l	0.00
Spiked Amount			Recovery	=	81.50%	
49) Toluene-d8	9.91	98	1092600	37.04	ug/l	0.01
Spiked Amount			Recovery	=	74.08%	
61) 4-Bromofluorobenzene	12.22	95	347351	31.27	ug/l	0.00
Spiked Amount			Recovery	=	62.54%	

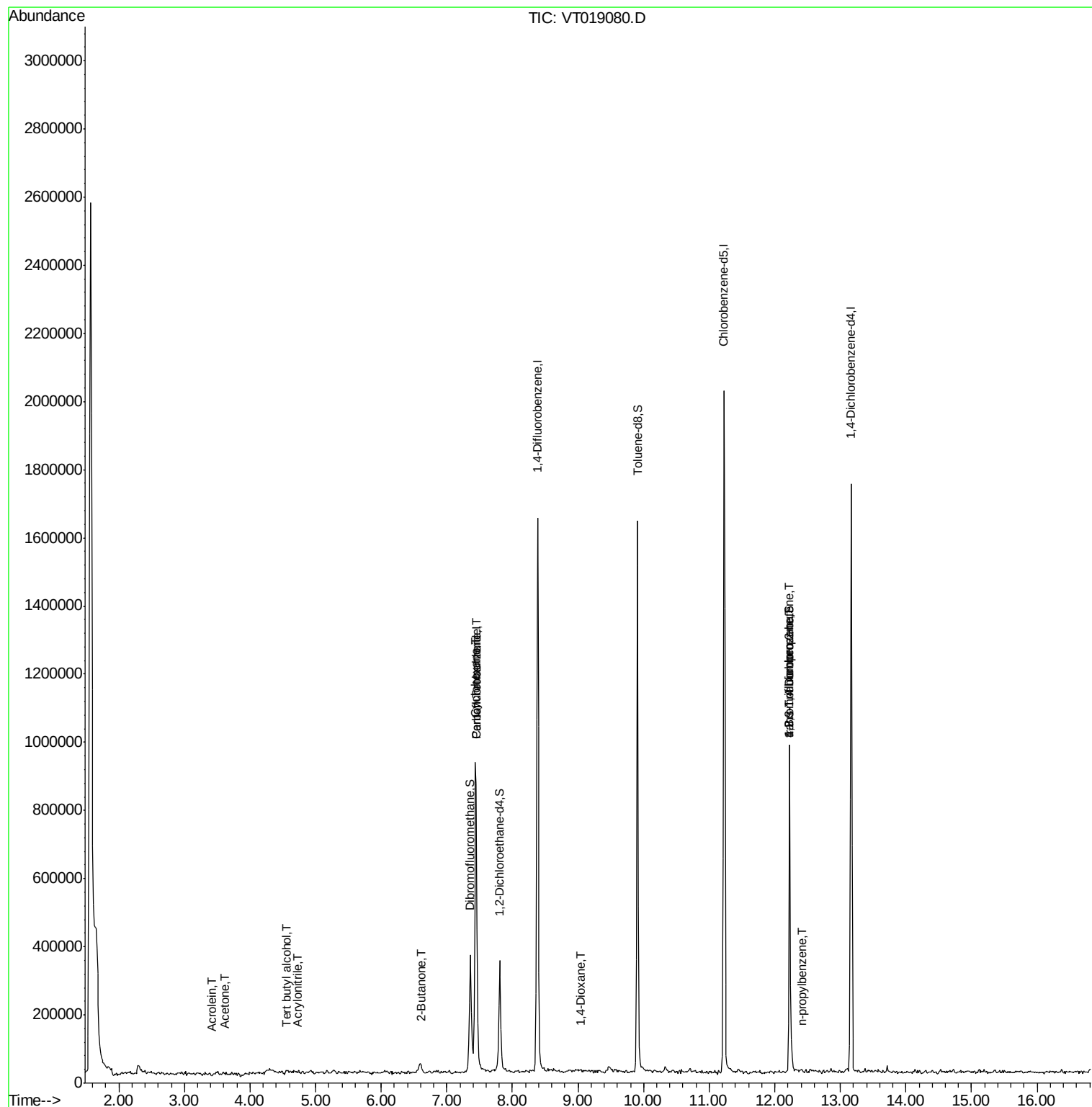
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.56	59	1151	3.69	ug/l #	1
13) Acrolein	3.41	56	426	2.80	ug/l #	11
15) Acrylonitrile	4.73	53	1795	1.50	ug/l #	41
16) Acetone	3.62	43	8327	12.73	ug/l #	78
25) 2-Butanone	6.61	43	4459	3.03	ug/l #	47
30) Cyclohexane	7.44	56	18172	1.13	ug/l #	1
37) Carbon Tetrachloride	7.45	117	81264	7.03	ug/l #	17
48) 1,4-Dioxane	9.03	88	499	1.52	ug/l #	61
75) 1,2,3-Trichloropropane	12.22	75	196302	64.67	ug/l #	35
77) n-propylbenzene	12.42	91	3955	1.32	ug/l	82
80) trans-1,4-Dichloro-2-buten	12.22	75	195408	171.16	ug/l #	15

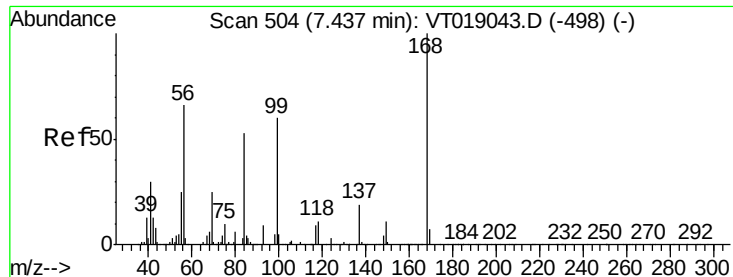
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VT019080.D

Acq: 10 May 2018 17:20

Instrument :

MSVOA_T

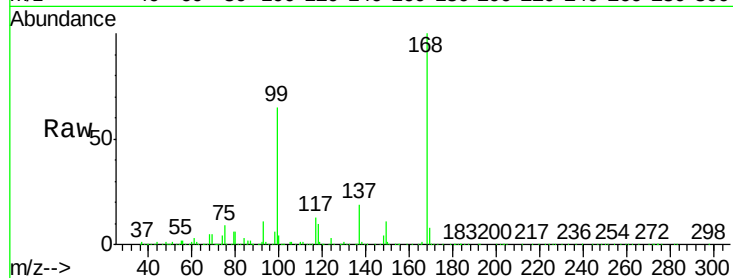
ClientSampled :

Tot Ion:168 Resp: 649179

Ion Ratio Lower Upper

168 100

99 65.1 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

250000

200000

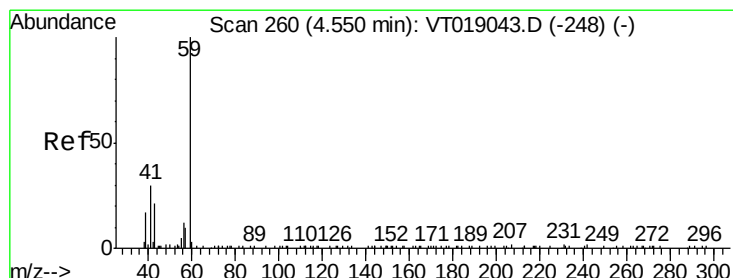
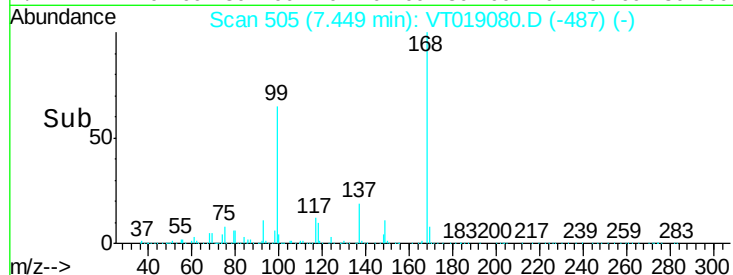
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.69 ug/l

RT: 4.56 min Scan# 261

Delta R.T. 0.01 min

Lab File: VT019080.D

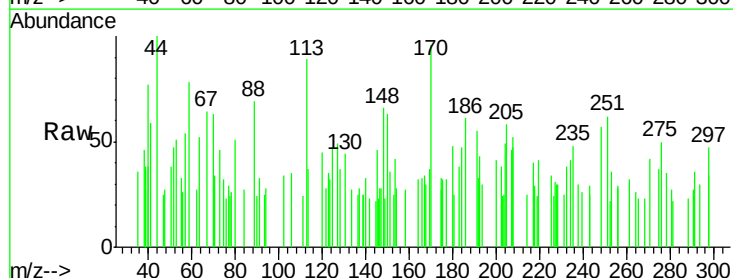
Acq: 10 May 2018 17:20

Tgt Ion: 59 Resp: 1151

Ion Ratio Lower Upper

59 100

57 69.7 7.7 11.5#



Abundance Ion 59.10 (58.80 to 59.80): VT0

Ion 57.10 (56.80 to 57.80): VT0

4.56

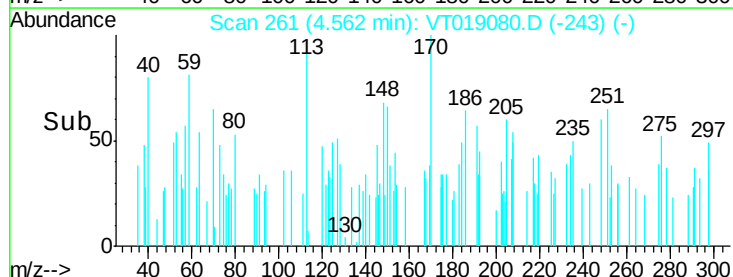
600

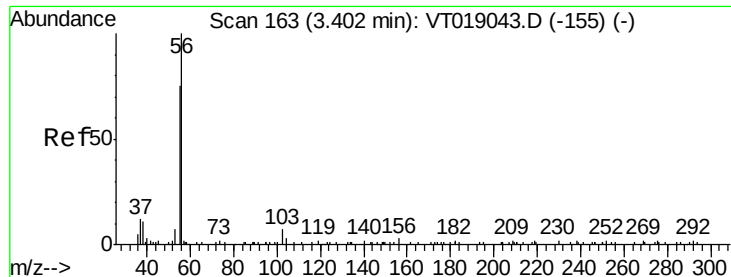
400

200

0

Time-->





#13

Acrolein

Concen: 2.80 ug/l

RT: 3.41 min Scan# 164

Delta R.T. 0.01 min

Lab File: VT019080.D

Acq: 10 May 2018 17:20

Instrument :

MSVOA_T

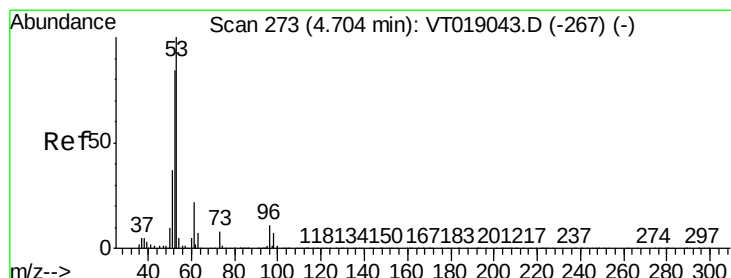
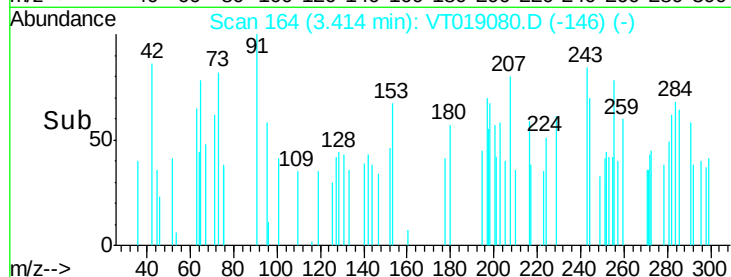
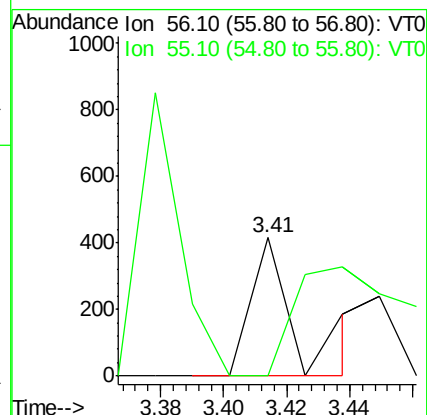
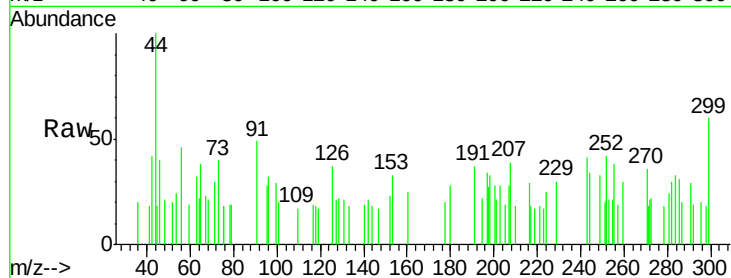
ClientSampled :

Tot Ion: 56 Resp: 426

Ion Ratio Lower Upper

56 100

55 0.0 60.8 91.2#



#15

Acrylonitrile

Concen: 1.50 ug/l

RT: 4.73 min Scan# 275

Delta R.T. 0.02 min

Lab File: VT019080.D

Acq: 10 May 2018 17:20

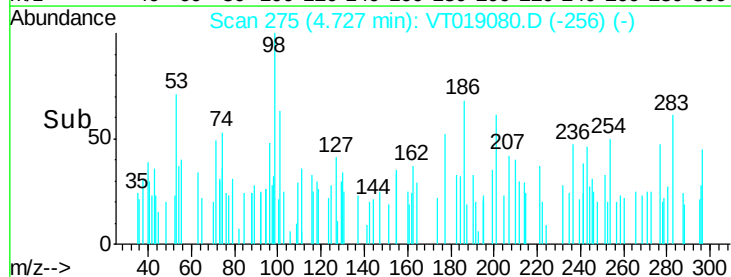
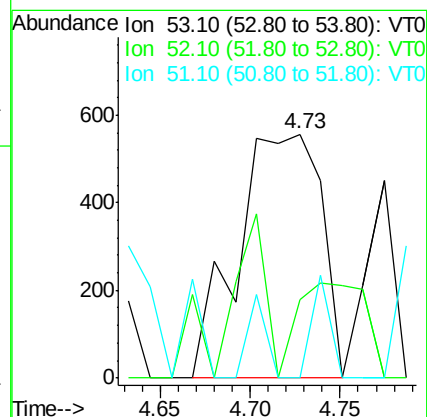
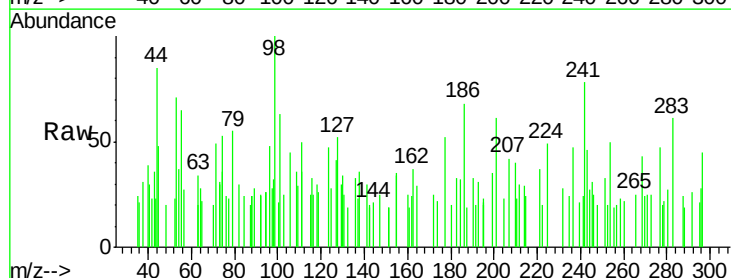
Tgt Ion: 53 Resp: 1795

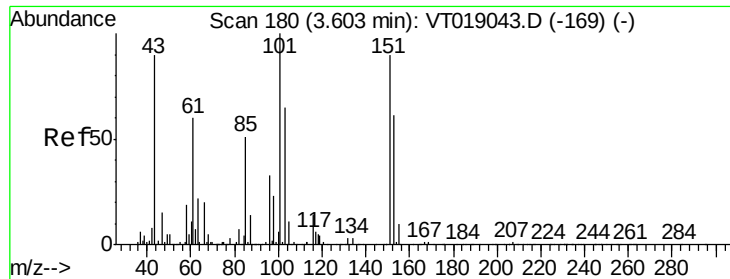
Ion Ratio Lower Upper

53 100

52 32.0 67.4 101.0#

51 0.0 29.6 44.4#

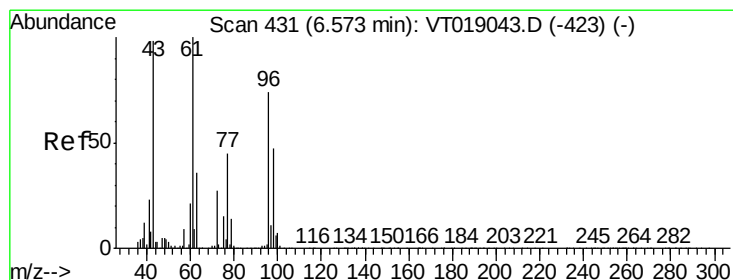
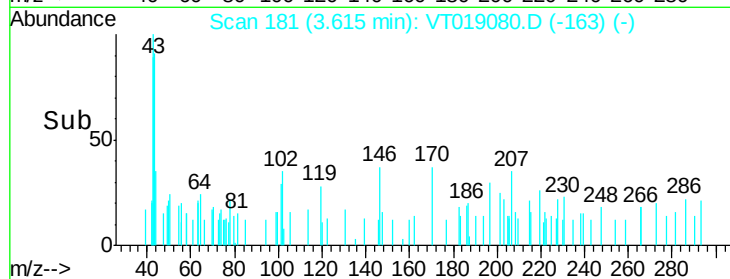
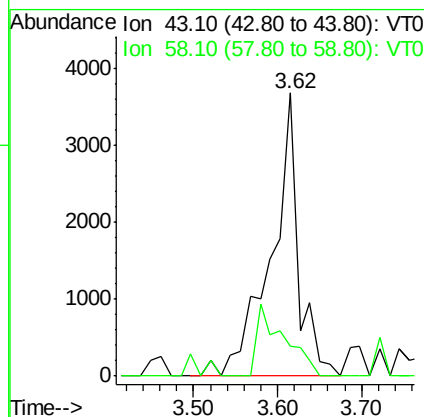
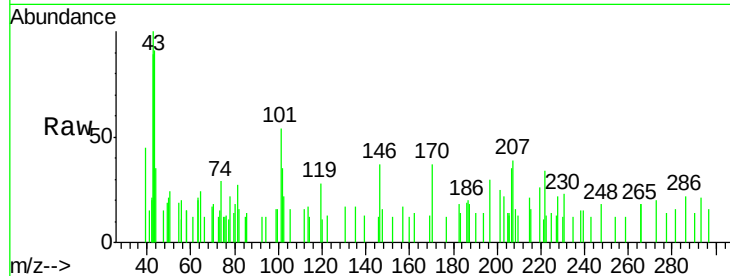




#16
Acetone
Concen: 12.73 ug/l
RT: 3.62 min Scan# 181
Delta R.T. 0.01 min
Lab File: VT019080.D
Acq: 10 May 2018 17:20

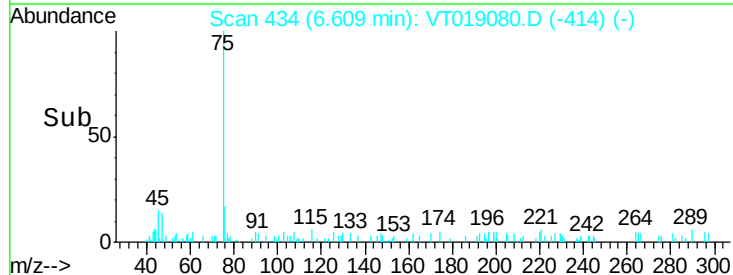
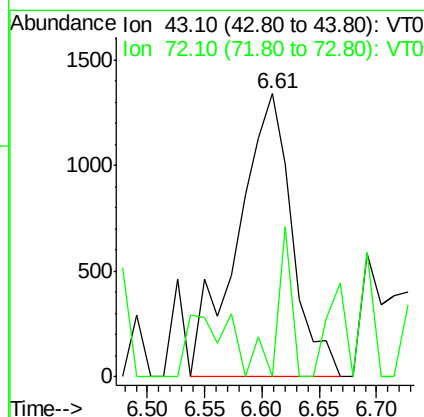
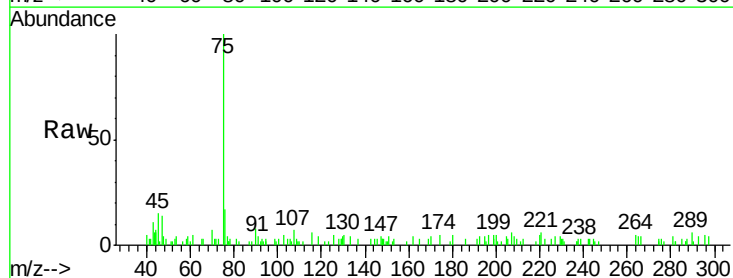
Instrument :
MSVOA_T
ClientSampleId :

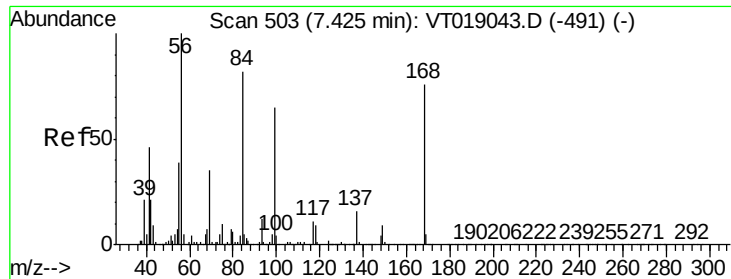
Tot Ion: 43 Resp: 8327
Ion Ratio Lower Upper
43 100
58 10.8 16.7 25.1#



#25
2-Butanone
Concen: 3.03 ug/l
RT: 6.61 min Scan# 434
Delta R.T. 0.04 min
Lab File: VT019080.D
Acq: 10 May 2018 17:20

Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
72 0.0 22.1 33.1#

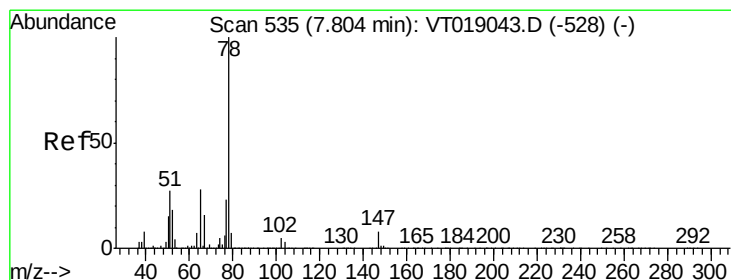
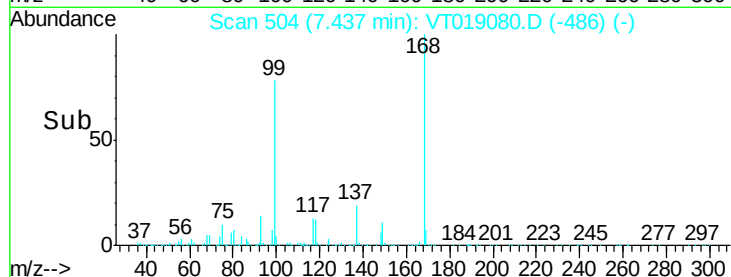
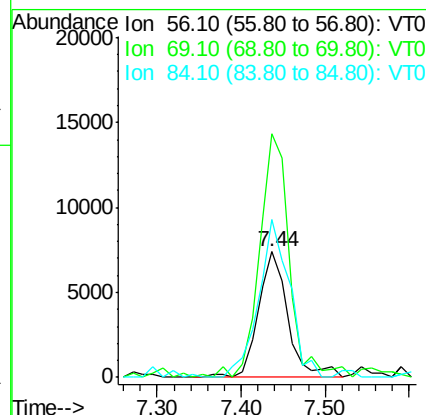
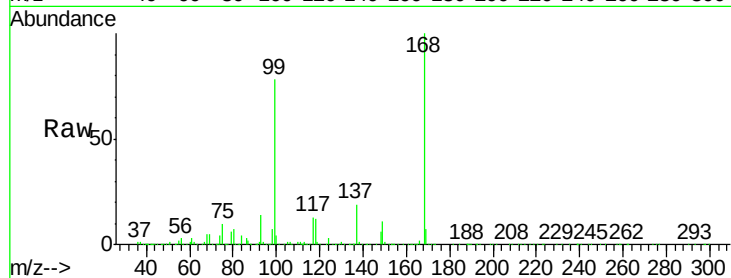




#30
Cyclohexane
Concen: 1.13 ug/l
RT: 7.44 min Scan# 504
Delta R.T. 0.01 min
Lab File: VT019080.D
Acq: 10 May 2018 17:20

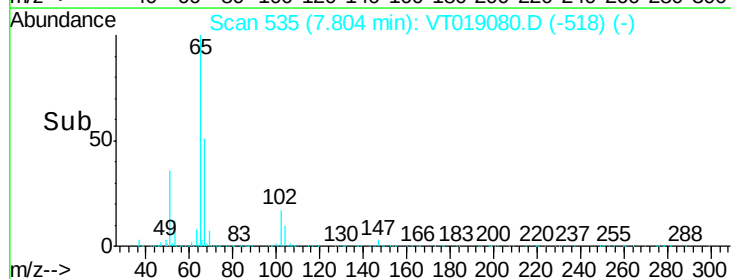
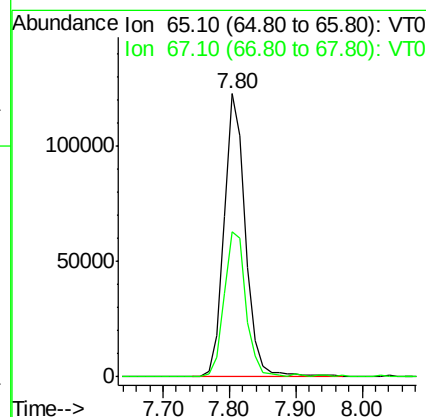
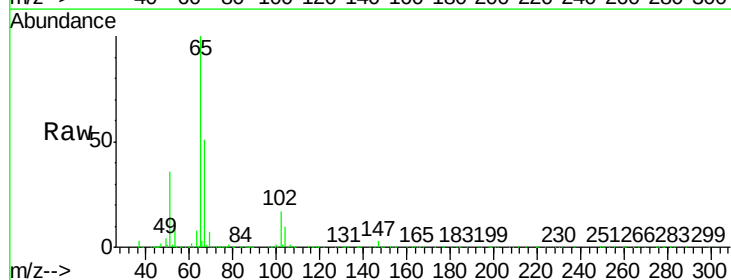
Instrument :
MSVOA_T
ClientSampleId :

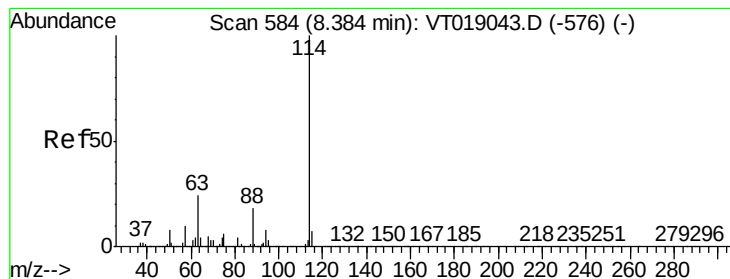
Tot Ion: 56 Resp: 18172
Ion Ratio Lower Upper
56 100
69 194.3 28.2 42.2#
84 126.4 65.6 98.4#



#32
1,2-Dichloroethane-d4
Concen: 45.41 ug/l
RT: 7.80 min Scan# 535
Delta R.T. -0.00 min
Lab File: VT019080.D
Acq: 10 May 2018 17:20

Tgt Ion: 65 Resp: 279842
Ion Ratio Lower Upper
65 100
67 51.3 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: VT019080.D

Acq: 10 May 2018 17:20

Instrument :
MSVOA_T
ClientSampleId :

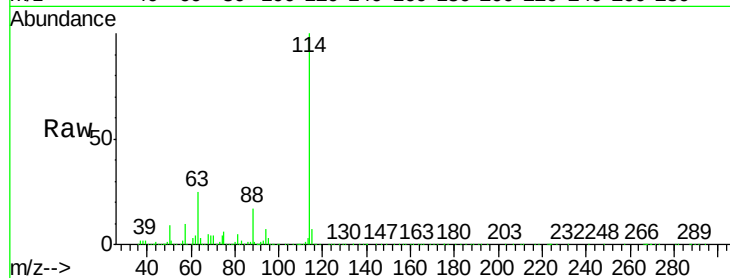
Tot Ion:114 Resp: 1227998

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	48.8
88	17.4	0.0	37.0

114 100

63 24.5 0.0 48.8

88 17.4 0.0 37.0



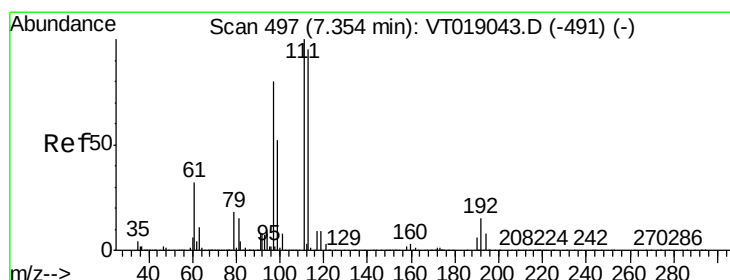
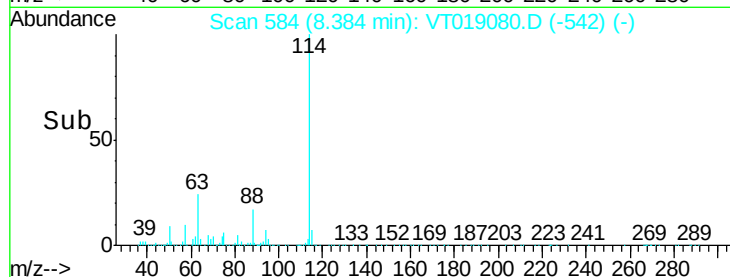
Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VT0

Ion 88.10 (87.80 to 88.80): VT0

8.38

Time-->



#34

Dibromofluoromethane

Concen: 40.75 ug/l

RT: 7.35 min Scan# 497

Delta R.T. -0.00 min

Lab File: VT019080.D

Acq: 10 May 2018 17:20

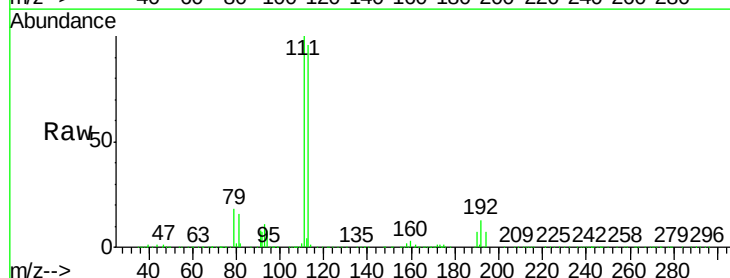
Tgt Ion:113 Resp: 280212

Ion	Ratio	Lower	Upper
113	100		
111	103.7	84.0	126.0
192	13.9	12.9	19.3

113 100

111 103.7 84.0 126.0

192 13.9 12.9 19.3



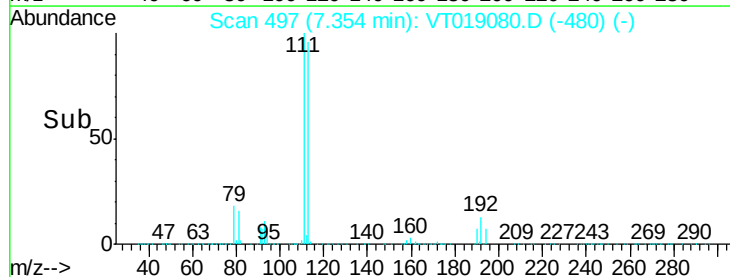
Abundance Ion 112.90 (112.60 to 113.60): V

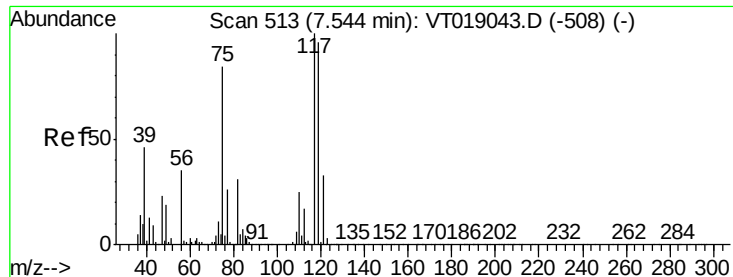
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

7.35

Time-->





#37

Carbon Tetrachloride

Concen: 7.03 ug/l

RT: 7.45 min Scan# 505

Delta R.T. -0.09 min

Lab File: VT019080.D

Acq: 10 May 2018 17:20

Instrument :

MSVOA_T

ClientSampled :

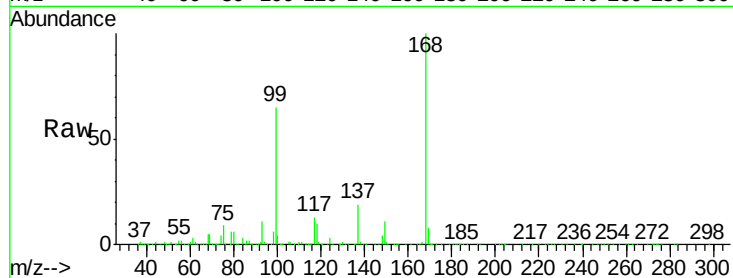
Tot Ion:117 Resp: 81264

Ion Ratio Lower Upper

117 100

119 5.5 76.5 114.7#

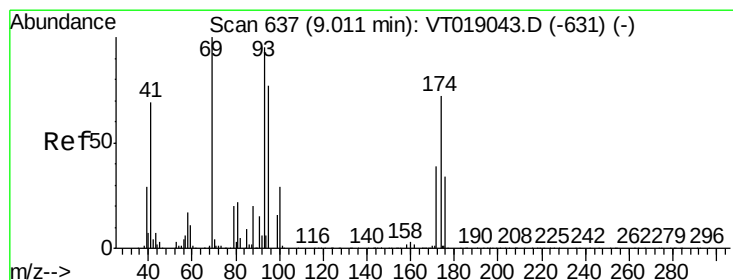
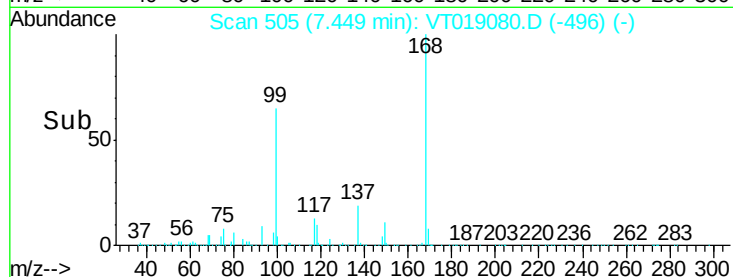
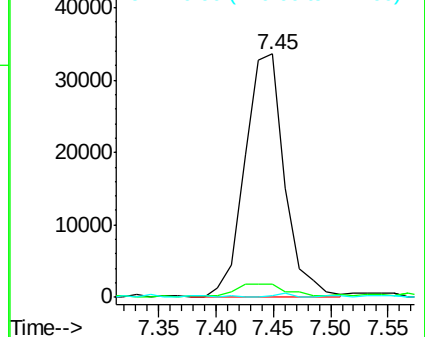
121 0.5 26.0 39.0#



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: 1.52 ug/l

RT: 9.03 min Scan# 639

Delta R.T. 0.02 min

Lab File: VT019080.D

Acq: 10 May 2018 17:20

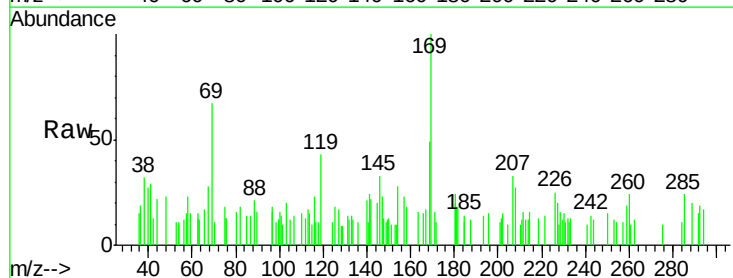
Tgt Ion: 88 Resp: 499

Ion Ratio Lower Upper

88 100

43 0.0 30.5 45.7#

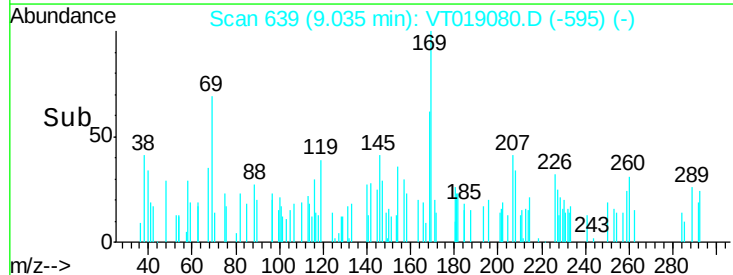
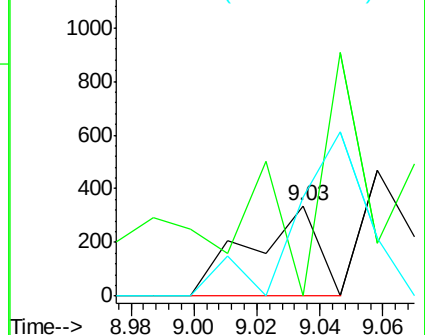
58 109.8 67.5 101.3#

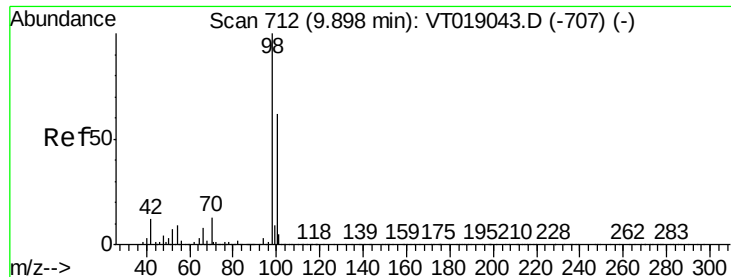


Abundance Ion 88.10 (87.80 to 88.80): VT0

Ion 43.10 (42.80 to 43.80): VT0

Ion 58.10 (57.80 to 58.80): VT0





#49

Toluene-d8

Concen: 37.04 ug/l

RT: 9.91 min Scan# 713

Delta R.T. 0.01 min

Lab File: VT019080.D

Acq: 10 May 2018 17:20

Instrument :

MSVOA_T

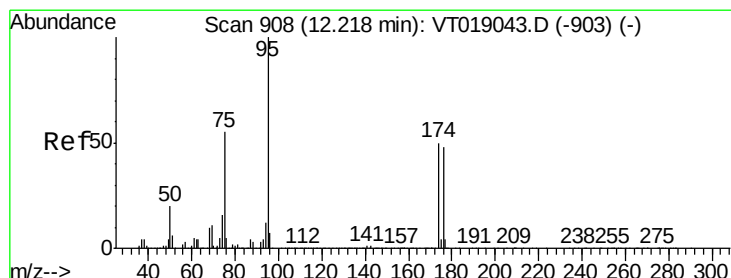
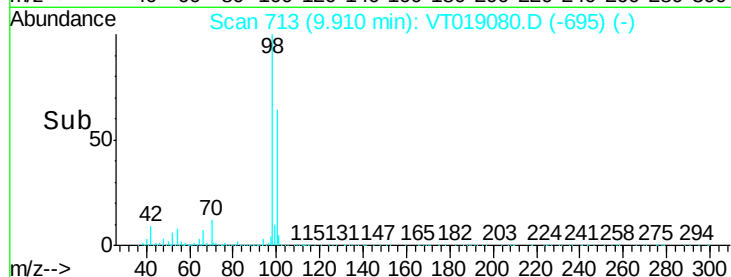
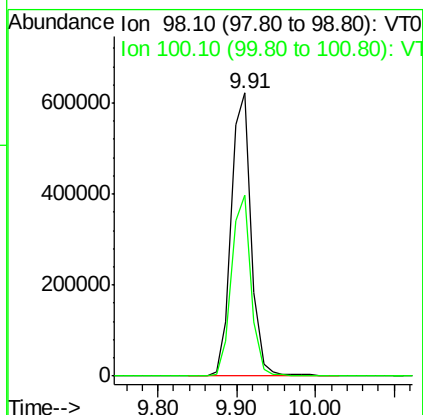
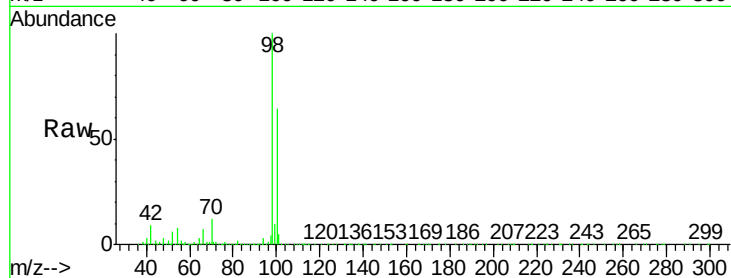
ClientSampleId :

Tot Ion: 98 Resp: 1092600

Ion Ratio Lower Upper

98 100

100 63.9 50.0 75.0



#61

4-Bromofluorobenzene

Concen: 31.27 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: VT019080.D

Acq: 10 May 2018 17:20

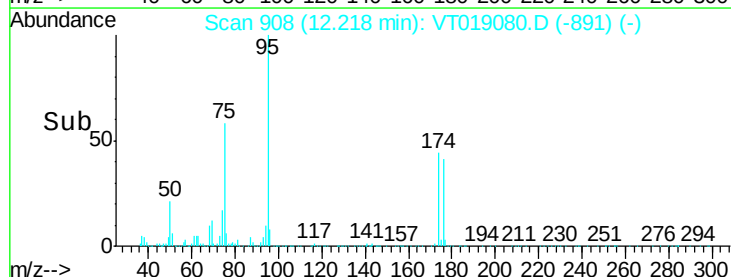
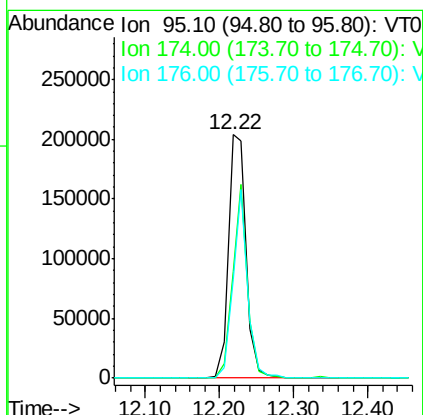
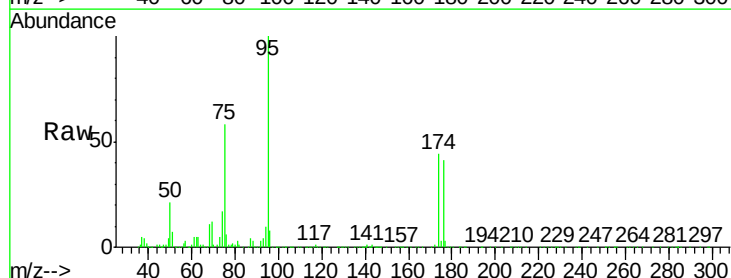
Tgt Ion: 95 Resp: 347351

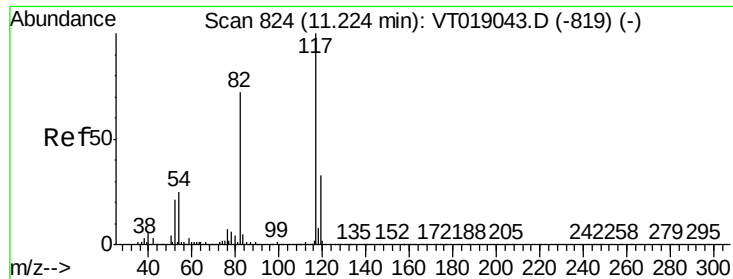
Ion Ratio Lower Upper

95 100

174 43.7 0.0 100.0

176 40.8 0.0 96.6

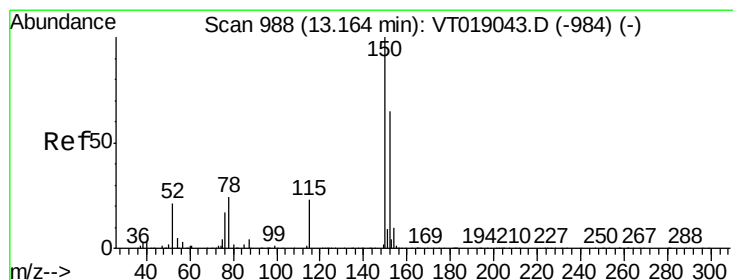
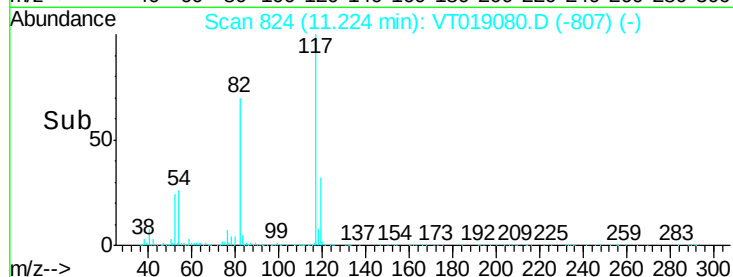
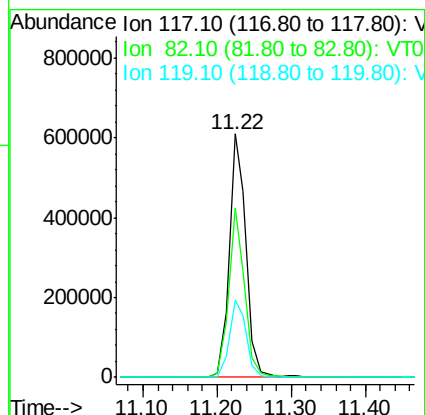
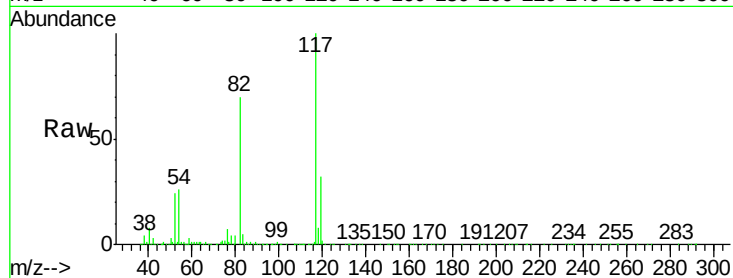




#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.22 min Scan# 824
Delta R.T. -0.00 min
Lab File: VT019080.D
Acq: 10 May 2018 17:20

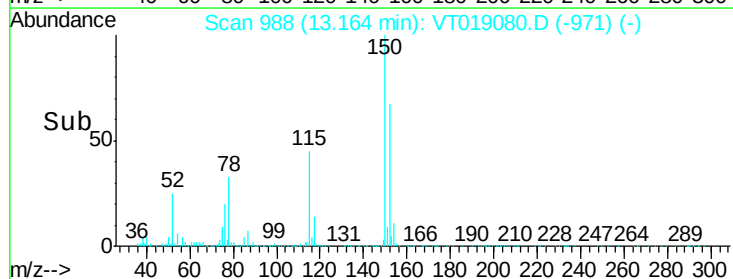
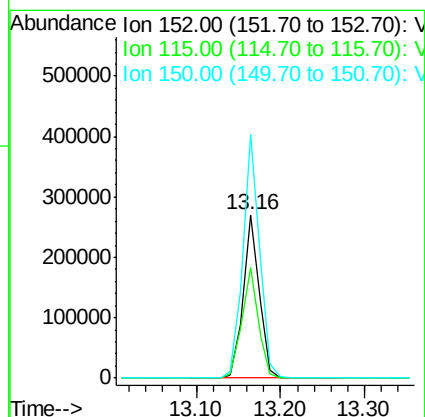
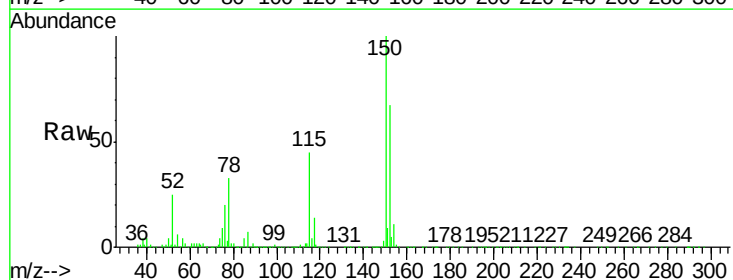
Instrument :
MSVOA_T
ClientSampleId :

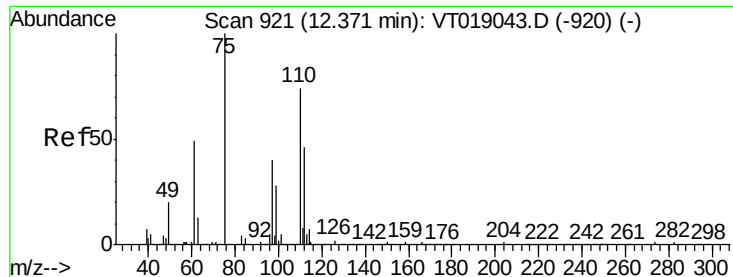
Tot Ion	Ratio	Lower	Upper
117	100		
82	69.5	57.6	86.4
119	31.9	26.6	40.0



#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.16 min Scan# 988
Delta R.T. -0.00 min
Lab File: VT019080.D
Acq: 10 May 2018 17:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.7	34.2	102.6
150	149.0	0.0	321.2





#75

1,2,3-Trichloropropane

Concen: 64.67 ug/l

RT: 12.22 min Scan# 908

Delta R.T. -0.15 min

Lab File: VT019080.D

Acq: 10 May 2018 17:20

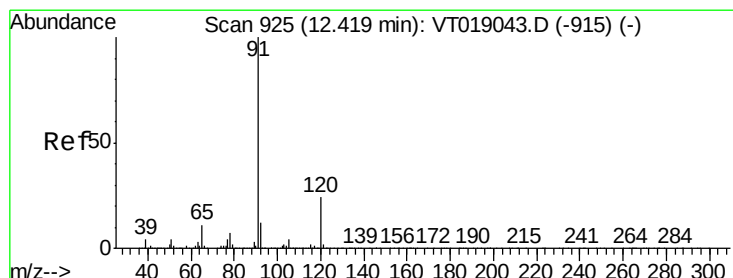
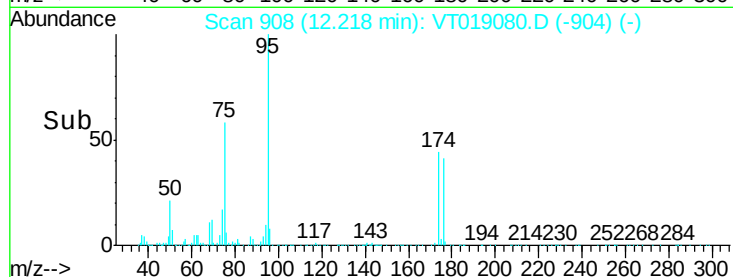
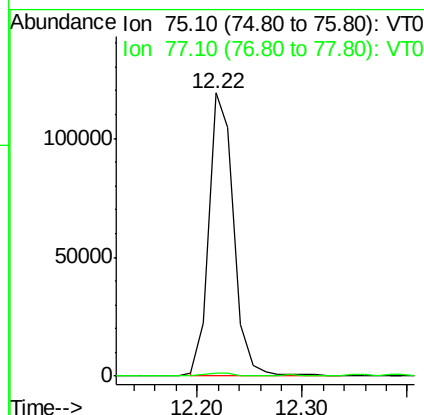
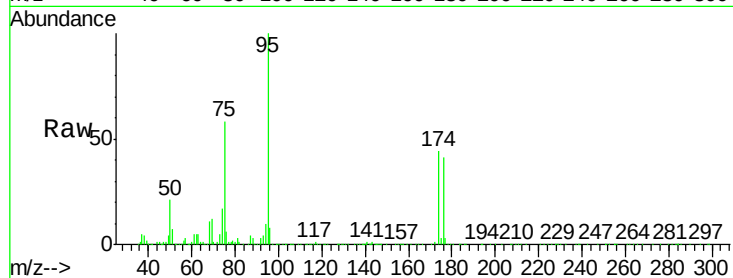
Instrument :
MSVOA_T
ClientSampled :

Tot Ion: 75 Resp: 196302

Ion Ratio Lower Upper

75 100

77 1.1 21.1 63.1#



#77

n-propylbenzene

Concen: 1.32 ug/l

RT: 12.42 min Scan# 925

Delta R.T. 0.00 min

Lab File: VT019080.D

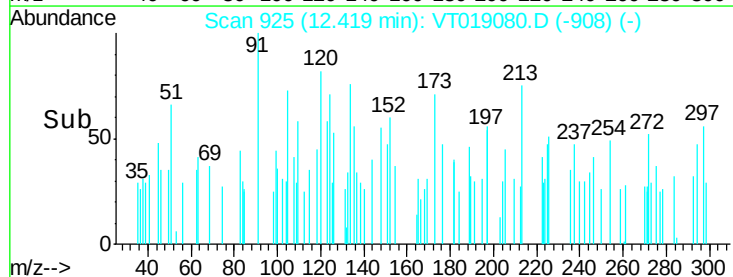
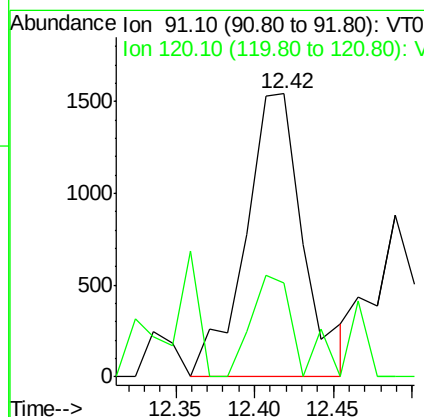
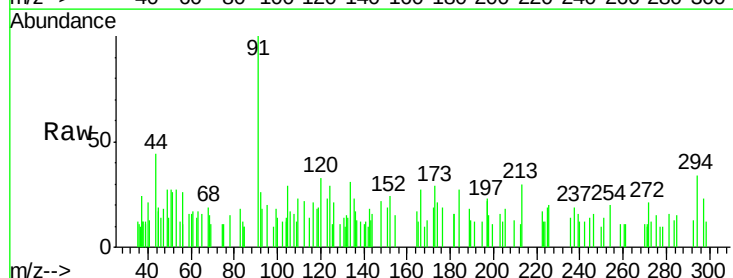
Acq: 10 May 2018 17:20

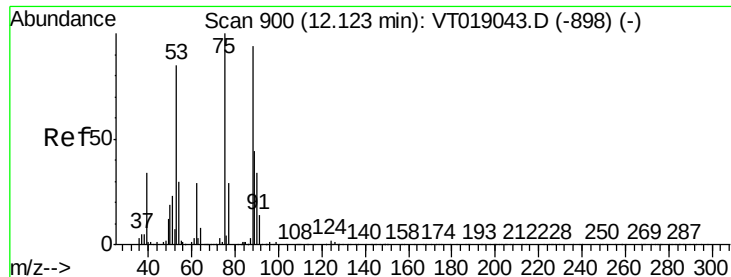
Tgt Ion: 91 Resp: 3955

Ion Ratio Lower Upper

91 100

120 33.1 12.0 36.1





#80

trans-1,4-Dichloro-2-butene

Concen: 171.16 ug/l

RT: 12.22 min Scan# 908

Delta R.T. 0.09 min

Lab File: VT019080.D

Acq: 10 May 2018 17:20

Instrument :

MSVOA_T

ClientSampleId :

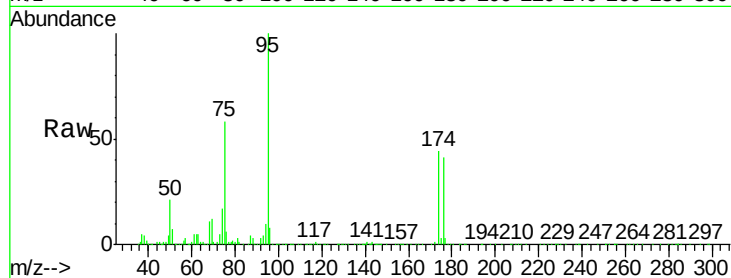
Tot Ion: 75 Resp: 195408

Ion Ratio Lower Upper

75 100

53 0.6 70.8 106.2#

89 0.5 35.8 53.8#



Abundance Ion 75.10 (74.80 to 75.80): VT0

Ion 53.10 (52.80 to 53.80): VT0

Ion 89.00 (88.70 to 89.70): VT0

