

Data File : VW008466.D
Acq On : 30 Jan 2019 15:25
Operator : SY/VA
Sample : K1282-17
Misc : 4.41G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-5

Quant Time: Jan 31 00:27:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	367556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	574733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	466967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169621	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	186273	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	7.88	113	184452	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
50) Toluene-d8	10.32	98	670652	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.62	95	203437	39.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.54%	

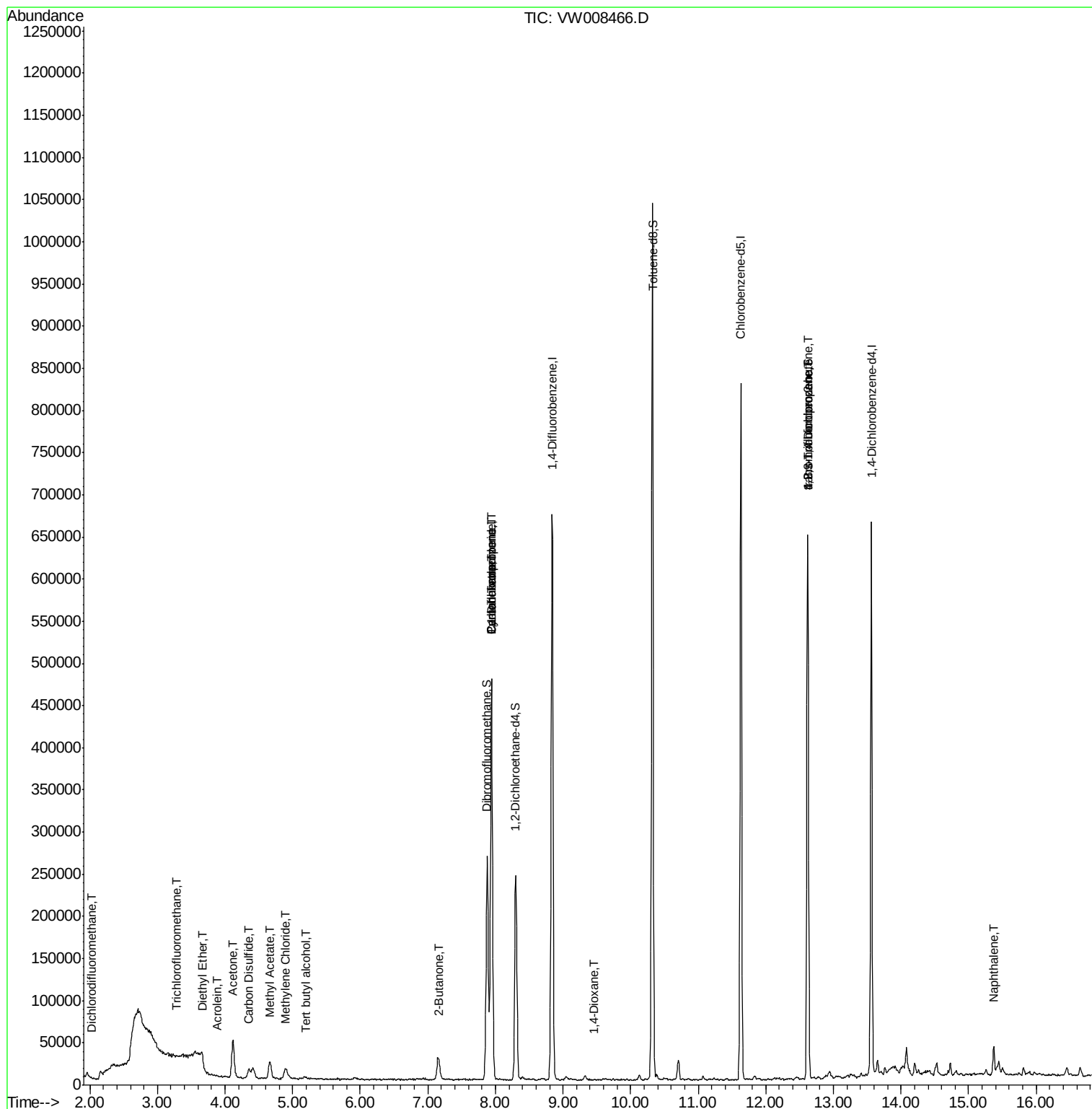
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	225	3.351	ug/l #	41
7) Trichlorofluoromethane	3.28	101	54	4.740	ug/l #	17
8) Diethyl Ether	3.67	74	3117	1.700	ug/l	88
11) Tert butyl alcohol	5.19	59	5009	17.230	ug/l	99
13) Acrolein	3.89	56	405	5.738	ug/l #	38
16) Acetone	4.12	43	75138	92.662	ug/l	99
17) Carbon Disulfide	4.35	76	22620	2.105	ug/l #	88
18) Methyl Acetate	4.67	43	38187	17.656	ug/l	95
20) Methylene Chloride	4.90	84	10948	2.929	ug/l	93
25) 2-Butanone	7.17	43	4838	4.295	ug/l	92
31) Cyclohexane	7.94	56	8581	1.211	ug/l #	34
36) 1,1-Dichloropropene	7.94	75	26237	4.833	ug/l #	51
38) Carbon Tetrachloride	7.95	117	35179	6.439	ug/l #	15
49) 1,4-Dioxane	9.46	88	46	1.409	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	101077	68.539	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	101077	135.370	ug/l #	12
95) Naphthalene	15.37	128	29787	4.817	ug/l	97

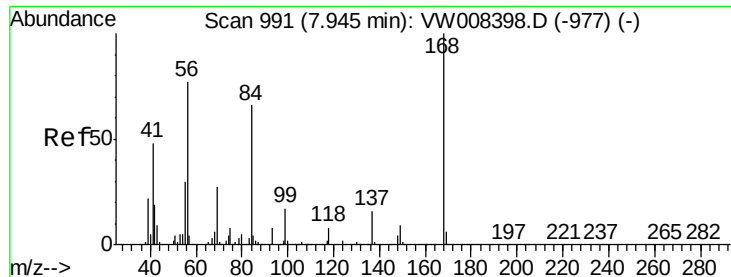
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008466.D

Acq: 30 Jan 2019 15:25

Instrument :

MSVOA_W

ClientSampled :

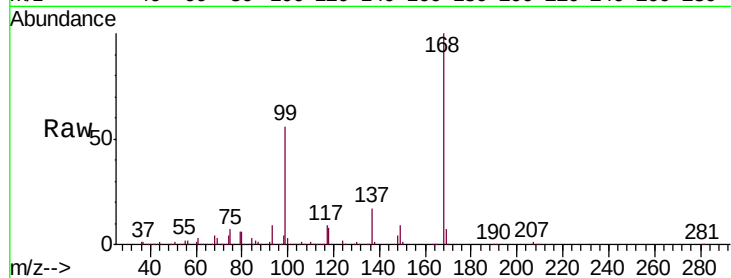
TP-5

Tgt Ion: 168 Resp: 367556

Ion Ratio Lower Upper

168 100

99 56.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.94

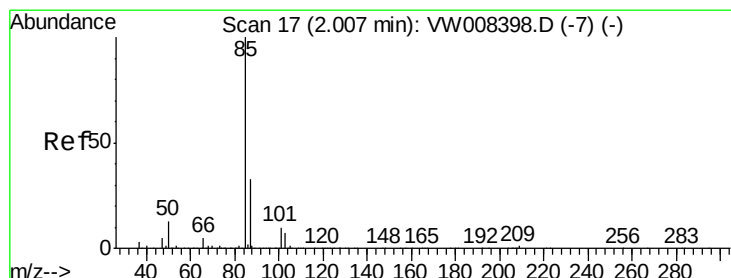
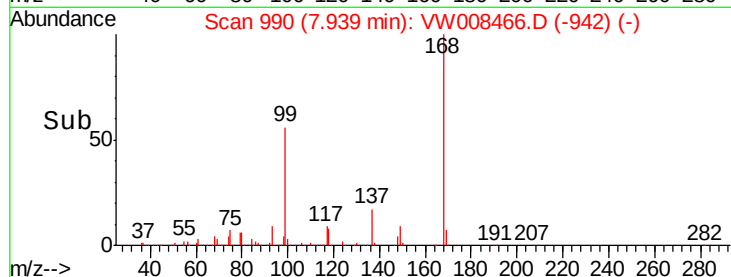
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.351 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008466.D

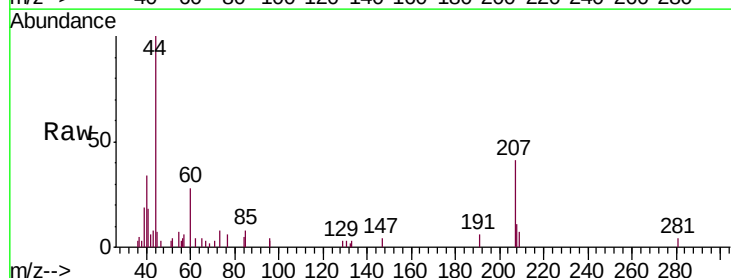
Acq: 30 Jan 2019 15:25

Tgt Ion: 85 Resp: 225

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

200

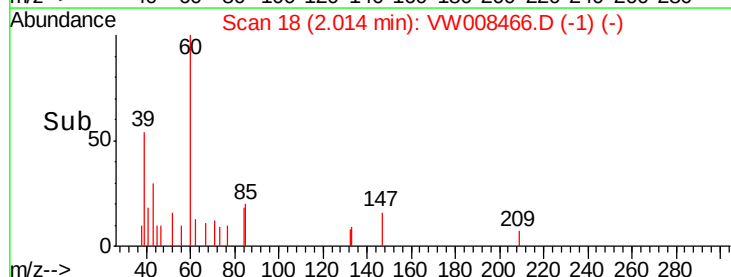
150

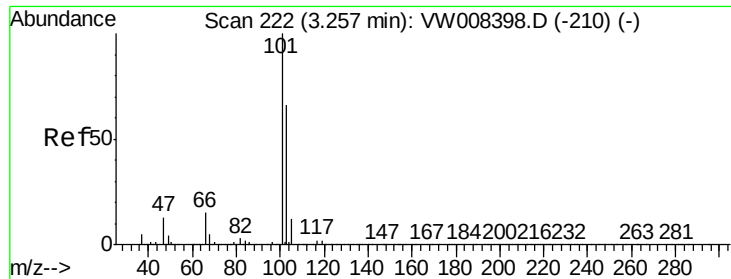
100

50

0

Time--> 1.96 1.98 2.00 2.02



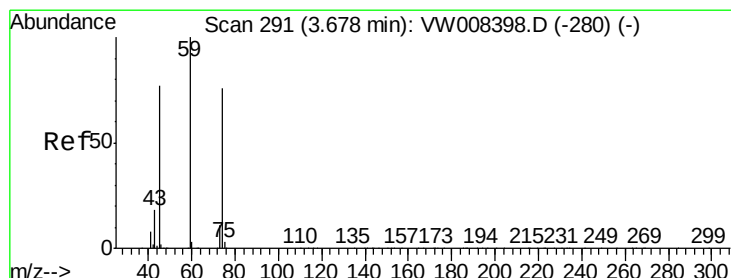
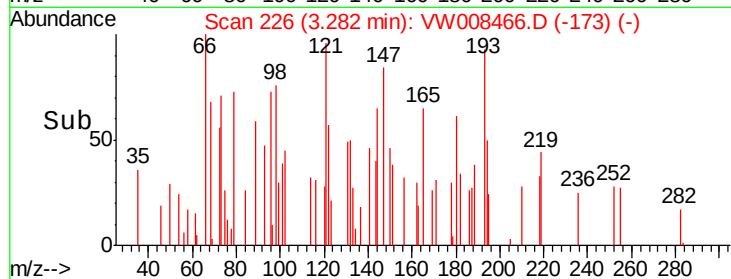
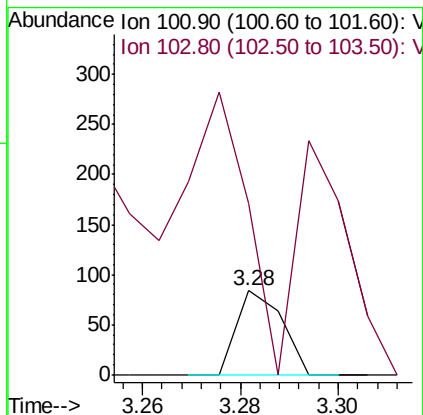
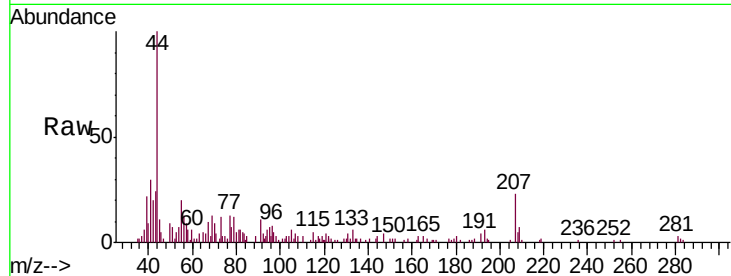


#7

Trichlorofluoromethane
Concen: 4.740 ug/l
RT: 3.28 min Scan# 226
Delta R.T. 0.02 min
Lab File: VW008466.D
Acq: 30 Jan 2019 15:25

Instrument :
MSVOA_W
ClientSampled :
TP-5

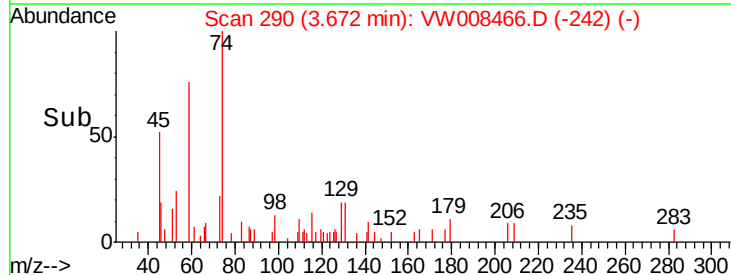
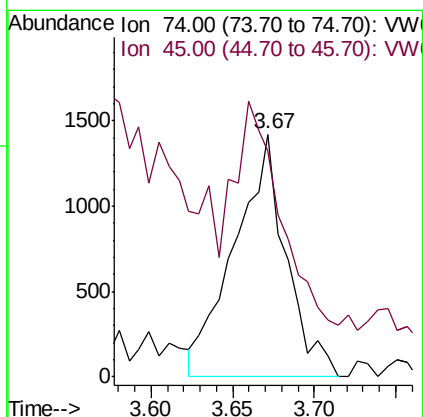
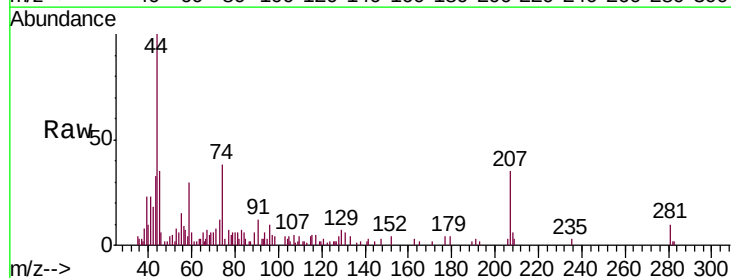
Tgt Ion:101 Resp: 54
Ion Ratio Lower Upper
101 100
103 0.0 52.5 78.7#

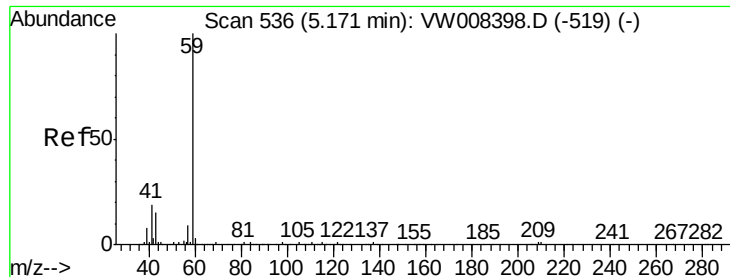


#8

Diethyl Ether
Concen: 1.700 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008466.D
Acq: 30 Jan 2019 15:25

Tgt Ion: 74 Resp: 3117
Ion Ratio Lower Upper
74 100
45 91.5 51.7 155.2

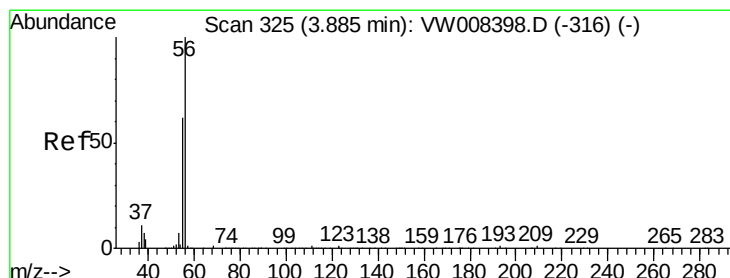
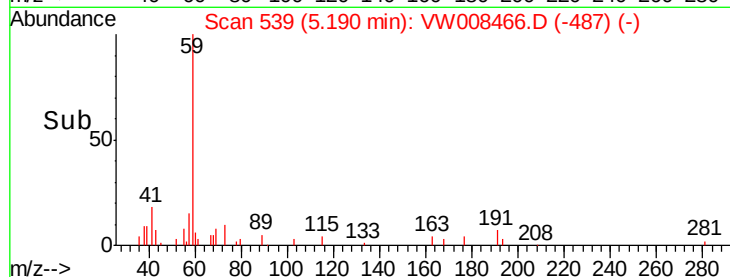
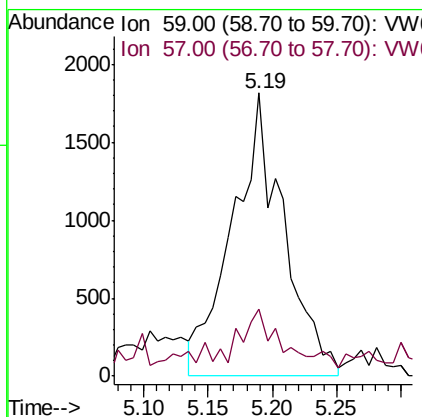
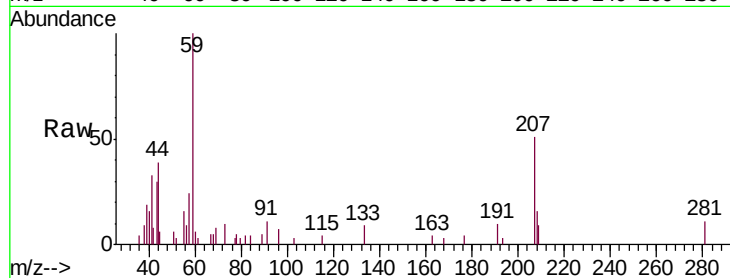




#11
Tert butyl alcohol
Concen: 17.230 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008466.D
Acq: 30 Jan 2019 15:25

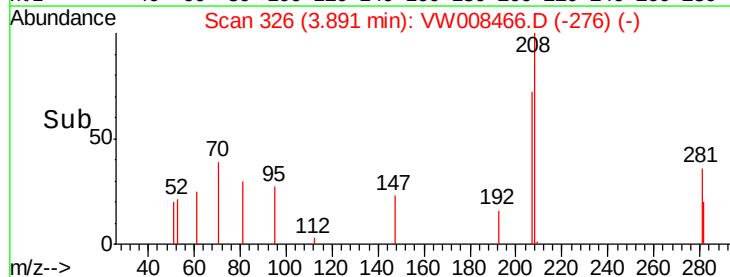
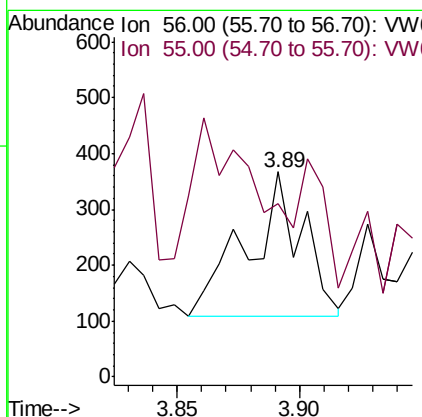
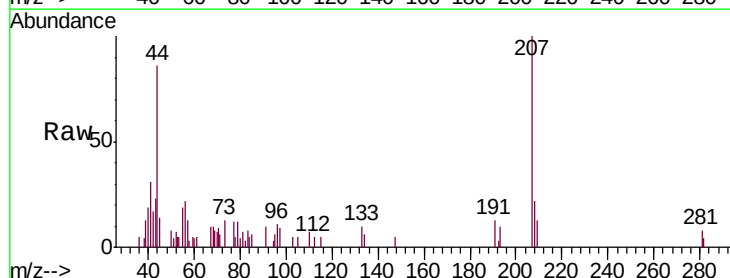
Instrument :
MSVOA_W
ClientSampleId :
TP-5

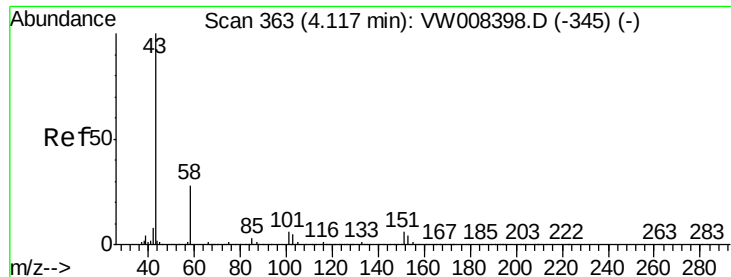
Tgt Ion: 59 Resp: 5009
Ion Ratio Lower Upper
59 100
57 11.9 9.3 13.9



#13
Acrolein
Concen: 5.738 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW008466.D
Acq: 30 Jan 2019 15:25

Tgt Ion: 56 Resp: 405
Ion Ratio Lower Upper
56 100
55 19.8 56.7 85.1#





#16

Acetone

Concen: 92.662 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008466.D

Acq: 30 Jan 2019 15:25

Instrument :

MSVOA_W

ClientSampleId :

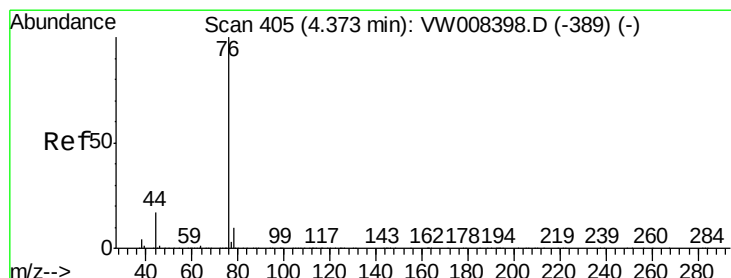
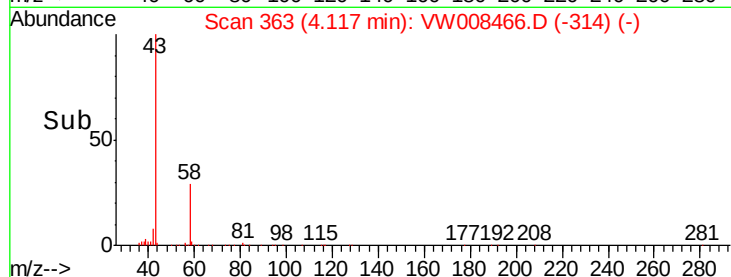
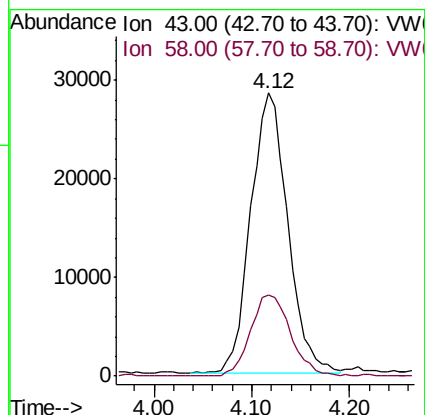
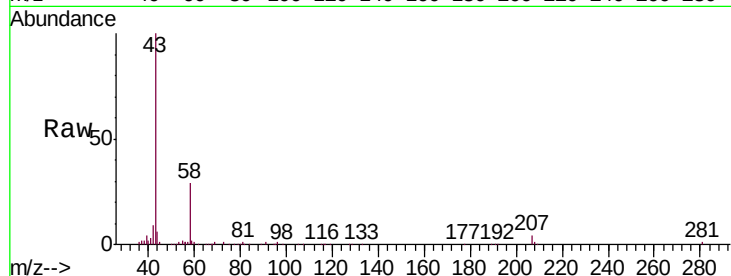
TP-5

Tgt Ion: 43 Resp: 75138

Ion Ratio Lower Upper

43 100

58 28.7 22.6 34.0



#17

Carbon Disulfide

Concen: 2.105 ug/l

RT: 4.35 min Scan# 401

Delta R.T. -0.02 min

Lab File: VW008466.D

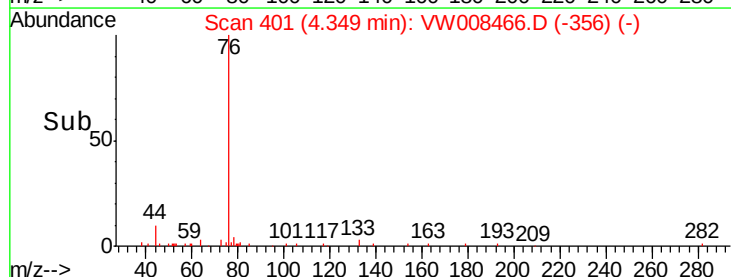
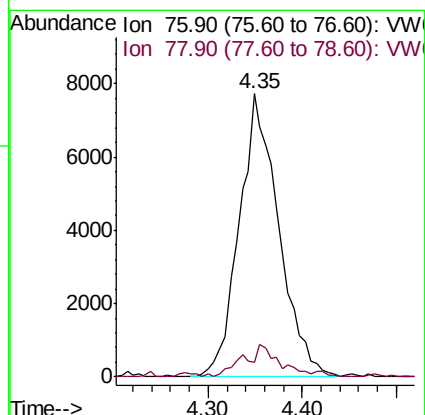
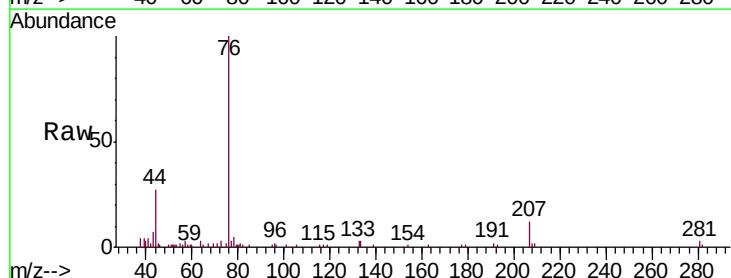
Acq: 30 Jan 2019 15:25

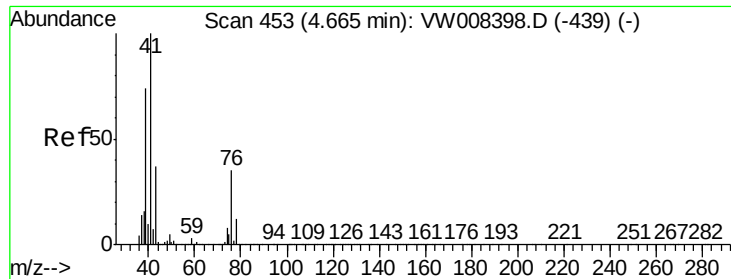
Tgt Ion: 76 Resp: 22620

Ion Ratio Lower Upper

76 100

78 5.3 7.7 11.5#

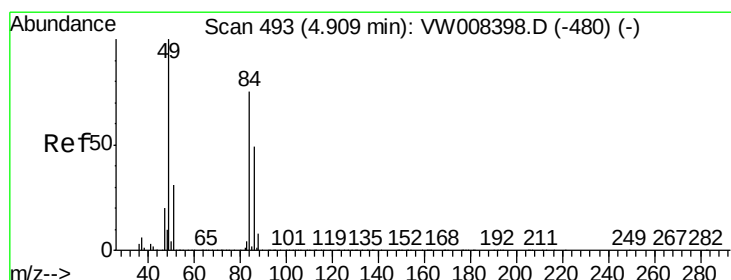
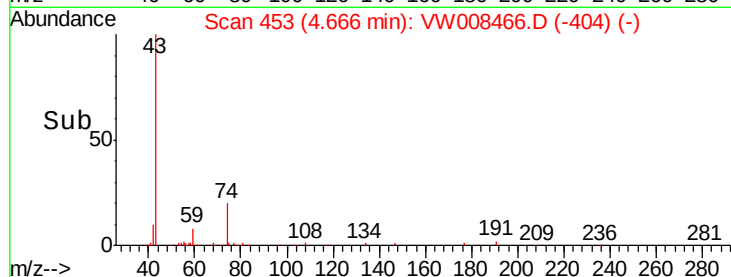
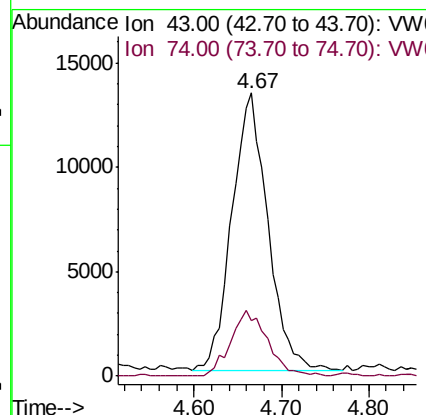
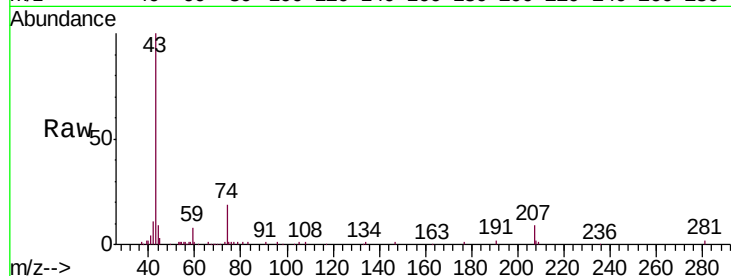




#18
Methyl Acetate
Concen: 17.656 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008466.D
Acq: 30 Jan 2019 15:25

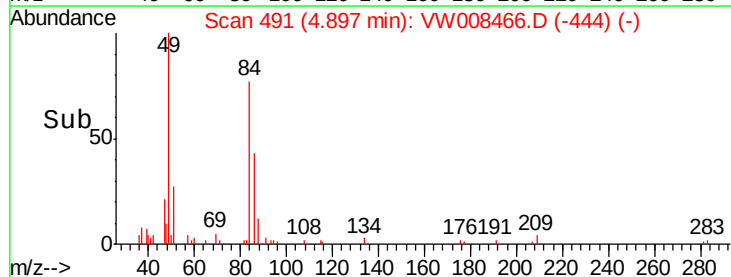
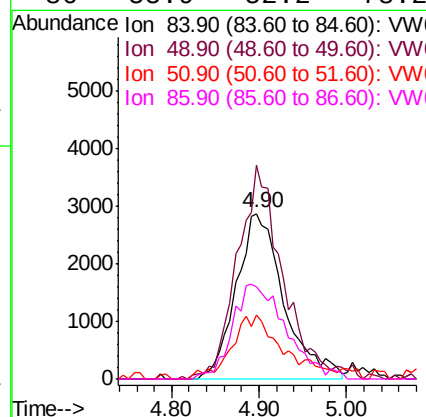
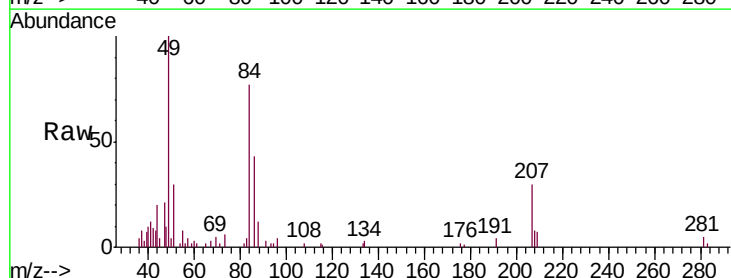
Instrument :
MSVOA_W
ClientSampleId :
TP-5

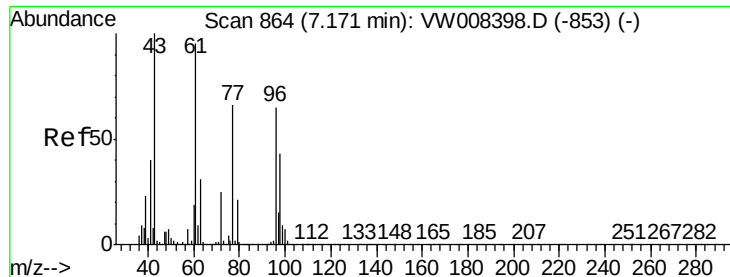
Tgt Ion: 43 Resp: 38187
Ion Ratio Lower Upper
43 100
74 24.2 17.5 26.3



#20
Methylene Chloride
Concen: 2.929 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008466.D
Acq: 30 Jan 2019 15:25

Tgt Ion: 84 Resp: 10948
Ion Ratio Lower Upper
84 100
49 127.0 106.8 160.2
51 36.5 32.9 49.3
86 55.9 52.2 78.2





#25

2-Butanone

Concen: 4.295 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008466.D

Acq: 30 Jan 2019 15:25

Instrument :

MSVOA_W

ClientSampleId :

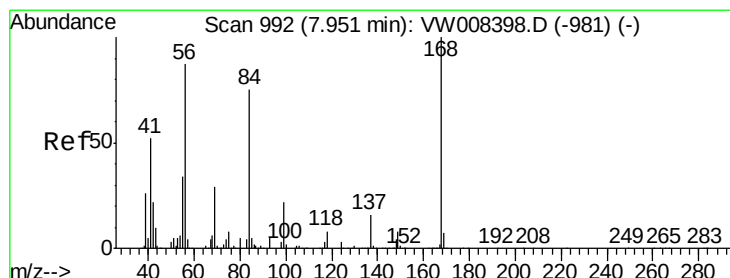
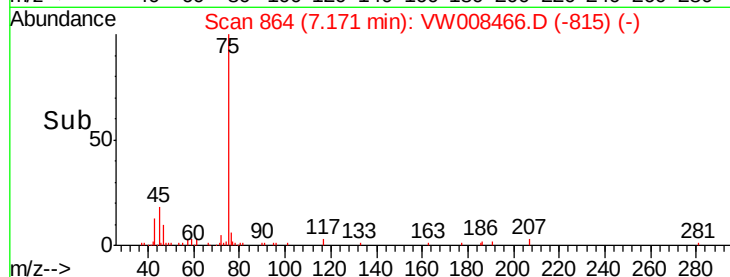
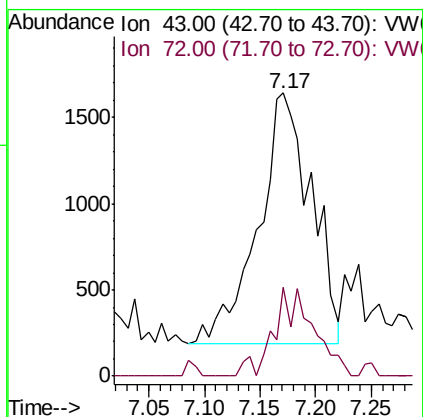
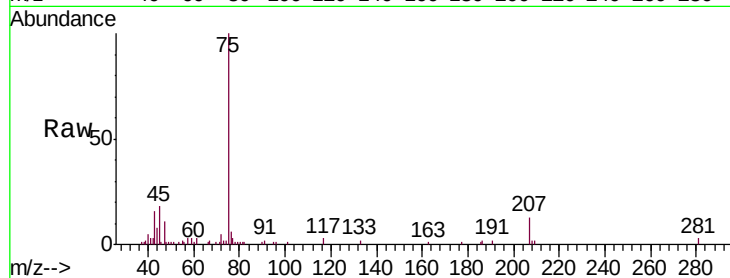
TP-5

Tgt Ion: 43 Resp: 4838

Ion Ratio Lower Upper

43 100

72 28.9 20.1 30.1



#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008466.D

Acq: 30 Jan 2019 15:25

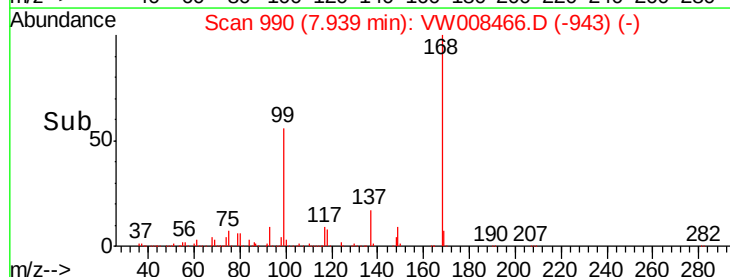
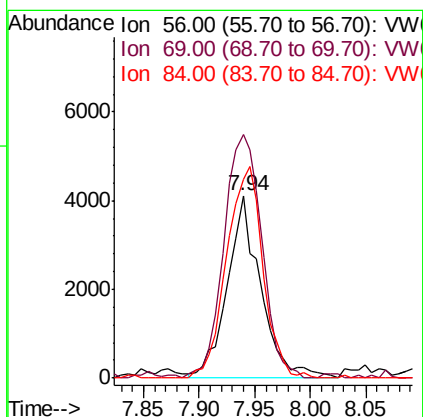
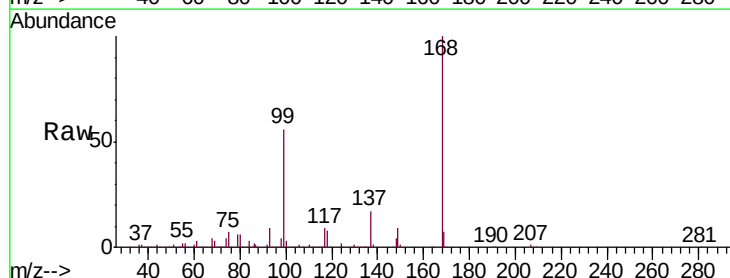
Tgt Ion: 56 Resp: 8581

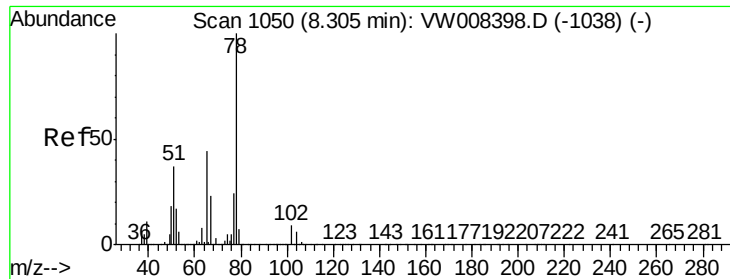
Ion Ratio Lower Upper

56 100

69 131.5 26.4 39.6#

84 109.1 69.1 103.7#

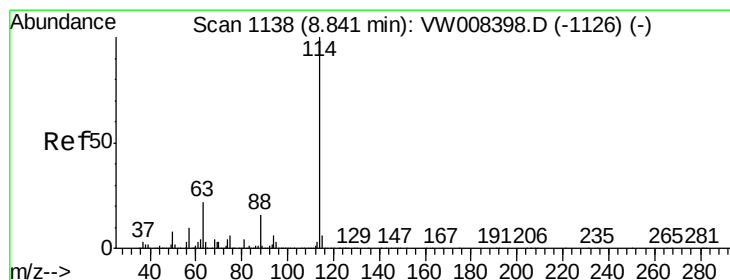
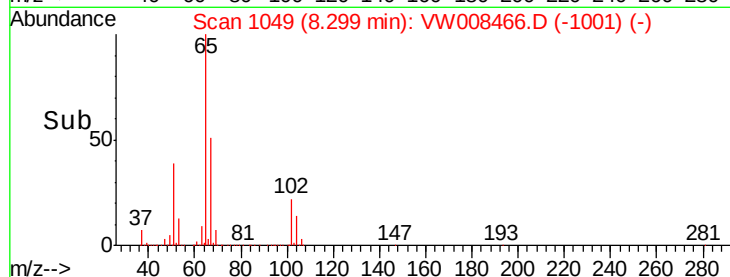
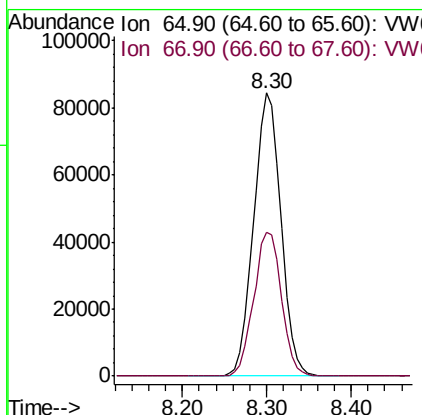
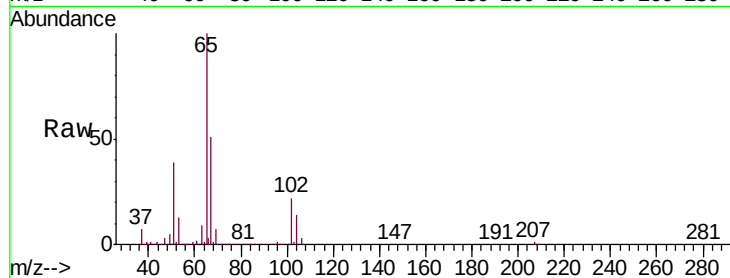




#33
 1,2-Dichloroethane-d4
 Concen: 51.586 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008466.D
 Acq: 30 Jan 2019 15:25

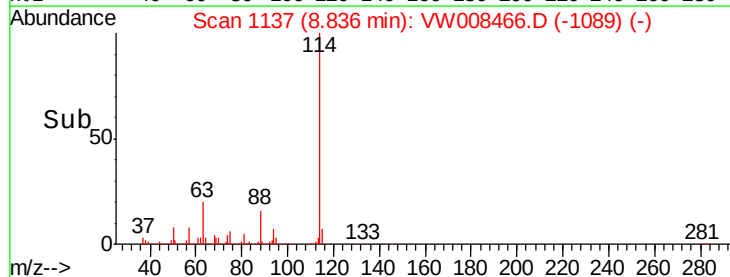
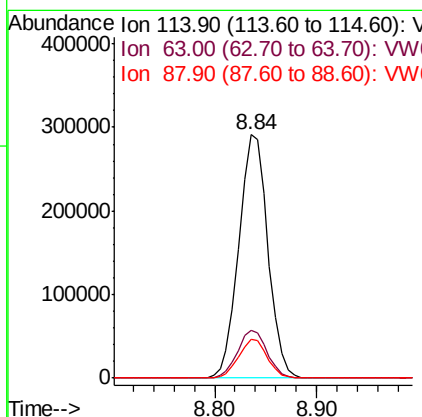
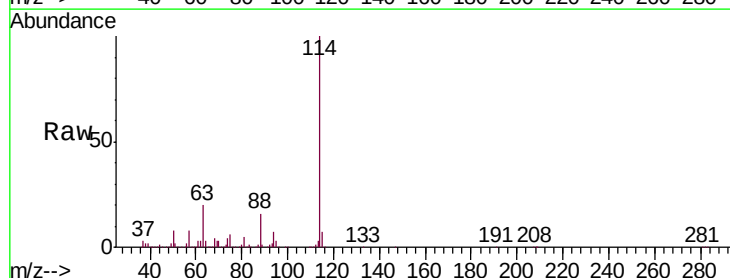
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5

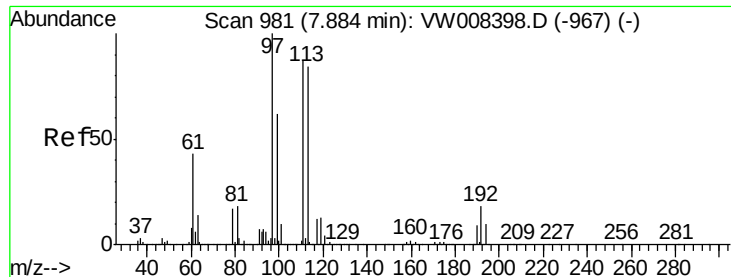
Tgt Ion: 65 Resp: 186273
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008466.D
 Acq: 30 Jan 2019 15:25

Tgt Ion: 114 Resp: 574733
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.6
 88 16.0 0.0 31.8

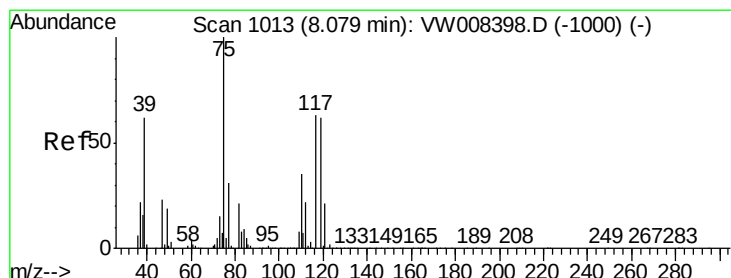
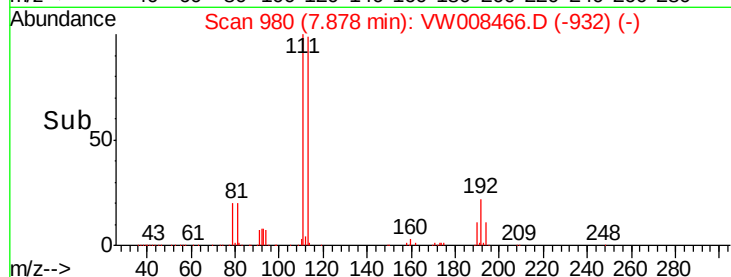
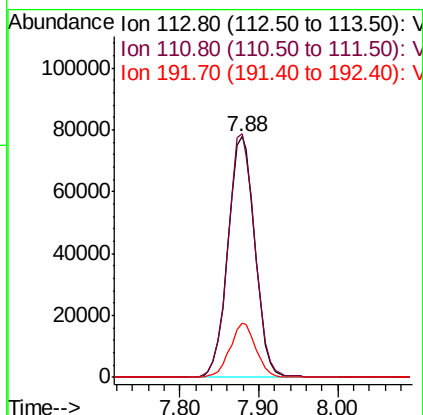
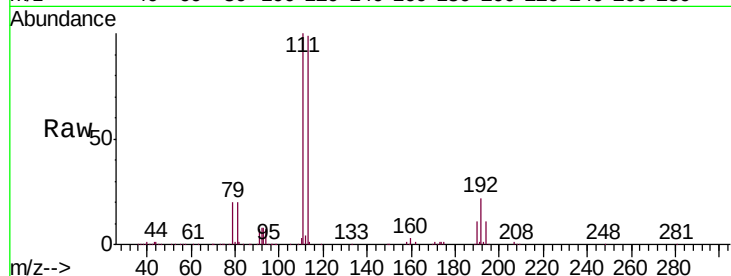




#35
 Dibromofluoromethane
 Concen: 54.886 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008466.D
 Acq: 30 Jan 2019 15:25

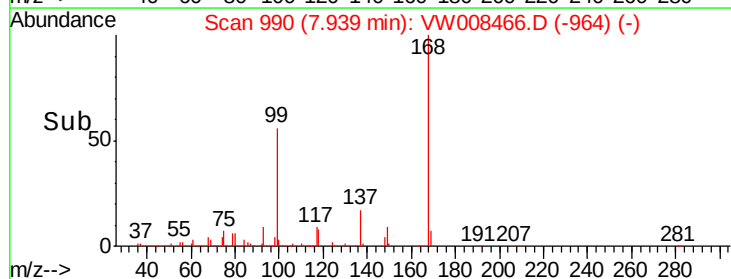
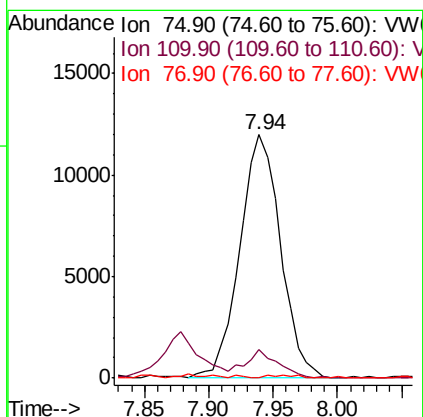
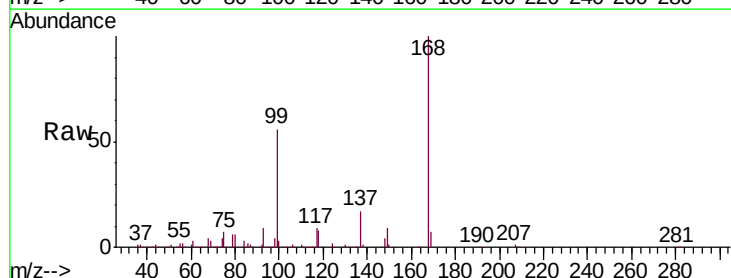
Instrument :
 MSVOA_W
 ClientSampled :
 TP-5

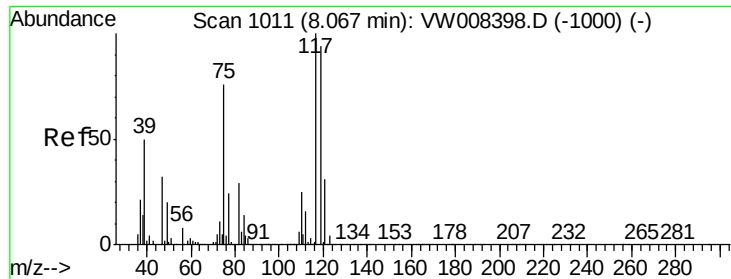
Tgt Ion:113 Resp: 184452
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.0 121.4
 192 21.5 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.833 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008466.D
 Acq: 30 Jan 2019 15:25

Tgt Ion: 75 Resp: 26237
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.3 52.0#
 77 0.7 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.439 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008466.D

Acq: 30 Jan 2019 15:25

Instrument :

MSVOA_W

ClientSampled :

TP-5

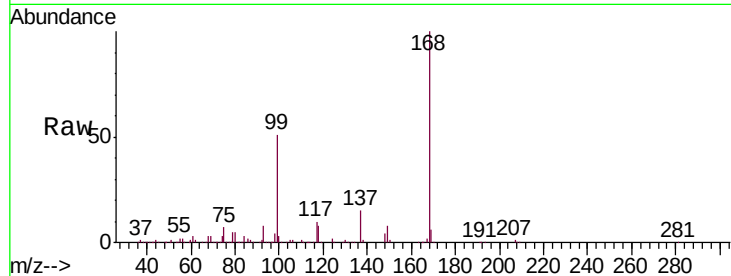
Tgt Ion:117 Resp: 35179

Ion Ratio Lower Upper

117 100

119 3.1 75.0 112.4#

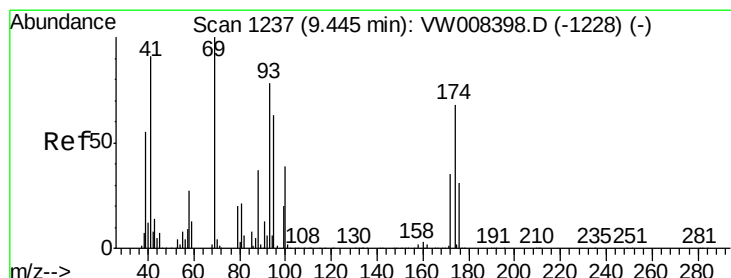
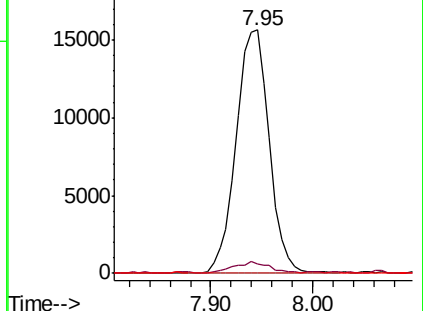
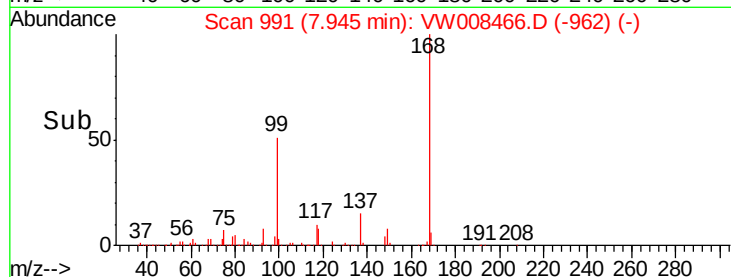
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.409 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW008466.D

Acq: 30 Jan 2019 15:25

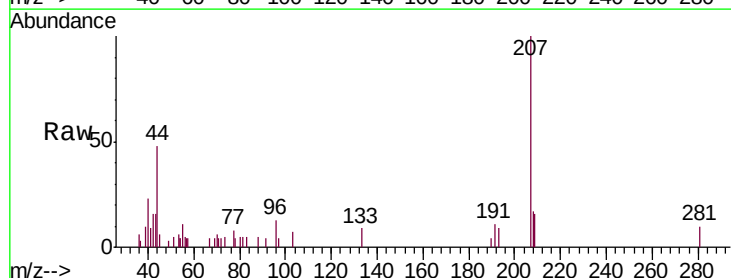
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 813.0 29.0 43.4#

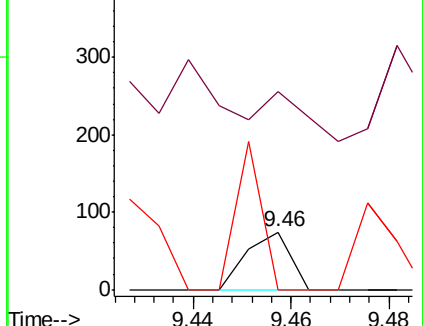
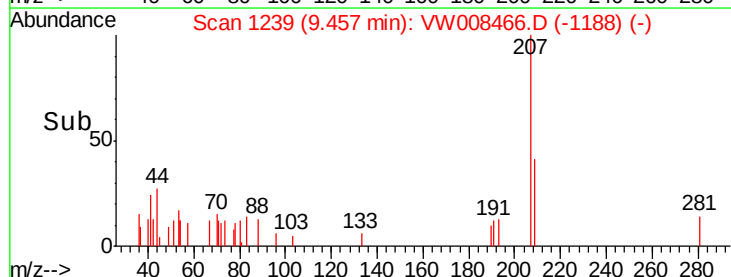
58 152.2 56.4 84.6#

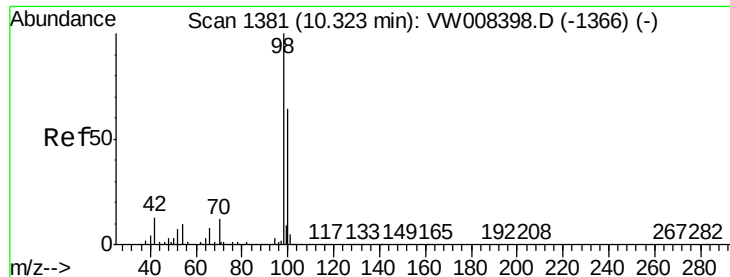


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.765 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008466.D

Acq: 30 Jan 2019 15:25

Instrument :

MSVOA_W

ClientSampled :

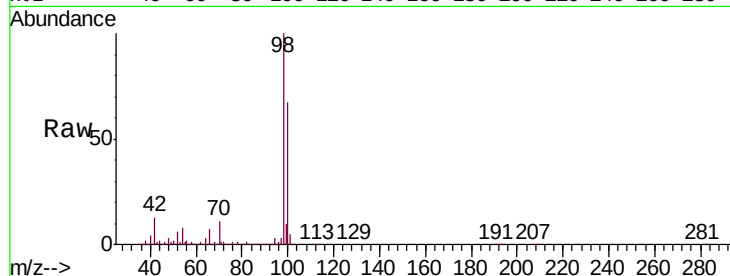
TP-5

Tgt Ion: 98 Resp: 670652

Ion Ratio Lower Upper

98 100

100 66.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

400000

300000

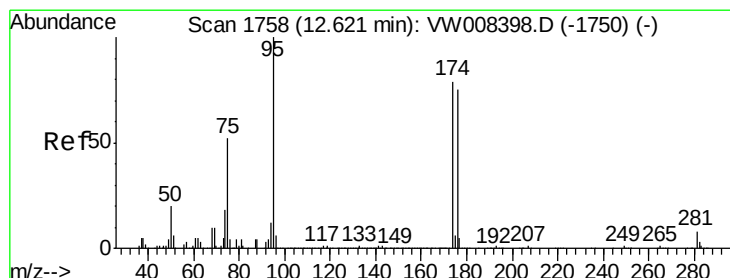
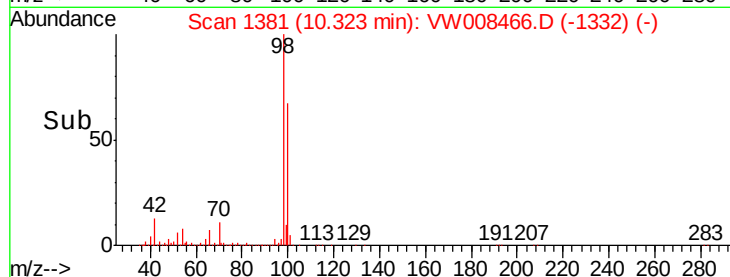
200000

100000

0

Time-->

10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 39.273 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008466.D

Acq: 30 Jan 2019 15:25

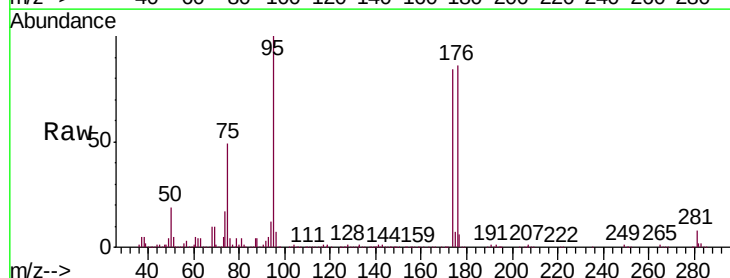
Tgt Ion: 95 Resp: 203437

Ion Ratio Lower Upper

95 100

174 83.0 0.0 157.6

176 81.2 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

150000

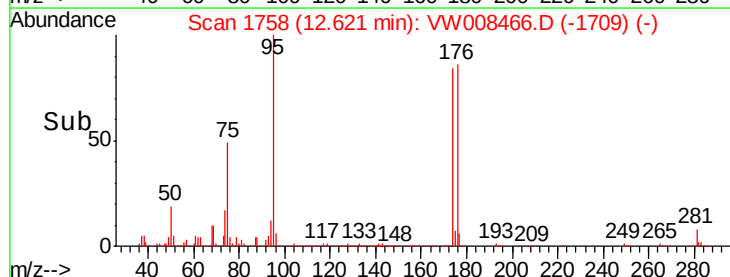
100000

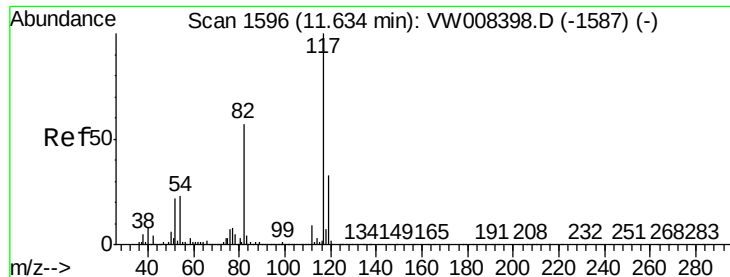
50000

0

Time-->

12.50 12.60 12.70

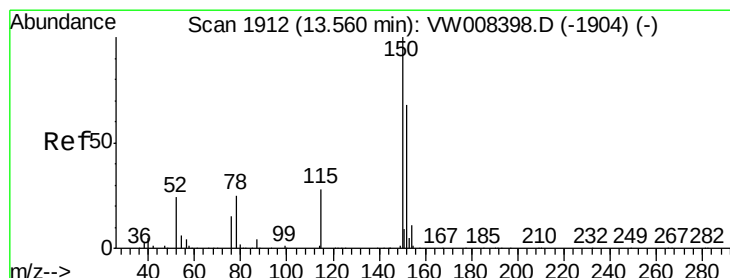
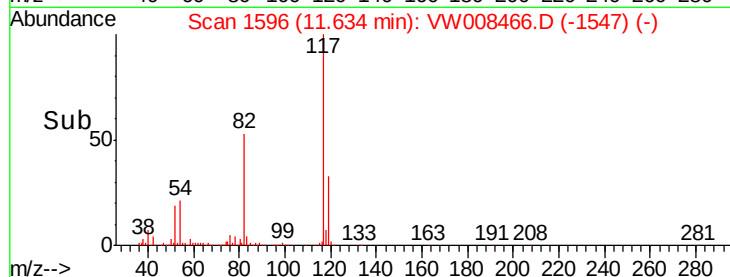
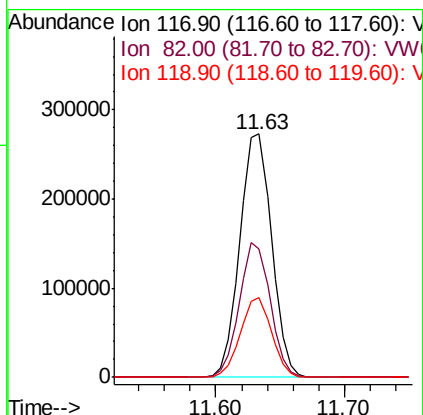
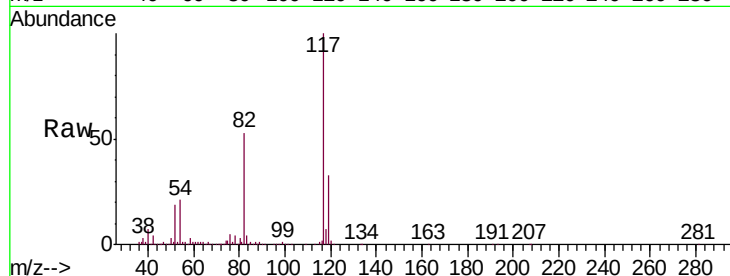




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008466.D
Acq: 30 Jan 2019 15:25

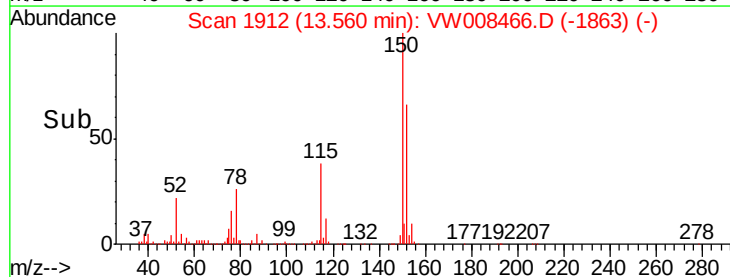
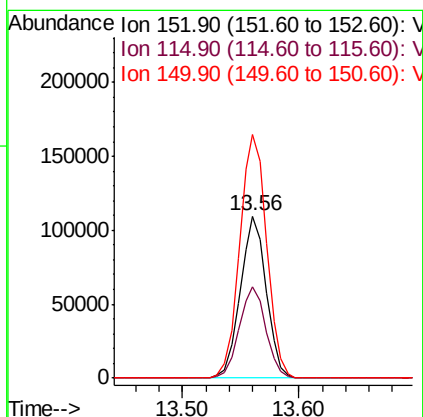
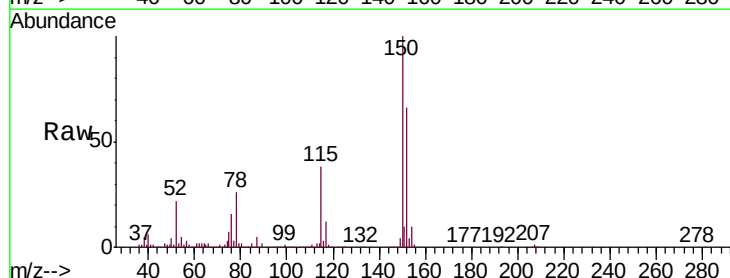
Instrument :
MSVOA_W
ClientSampleId :
TP-5

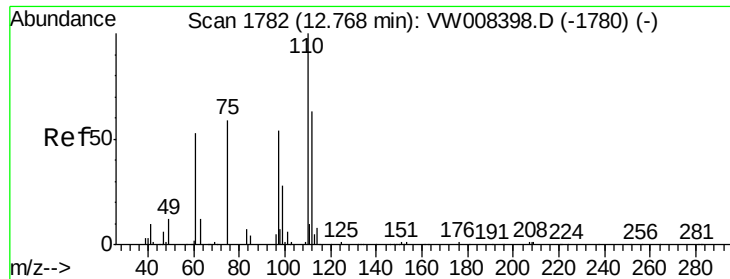
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.4	68.0
119	32.5	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008466.D
Acq: 30 Jan 2019 15:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.9	89.7
150	156.6	0.0	351.4

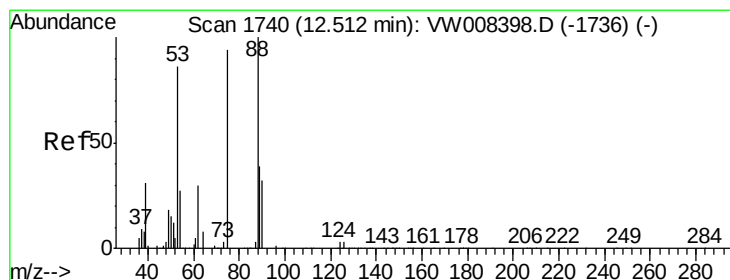
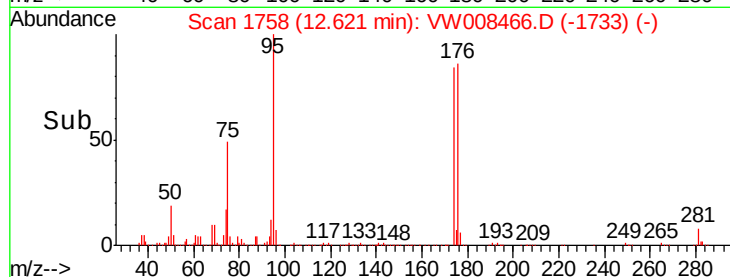
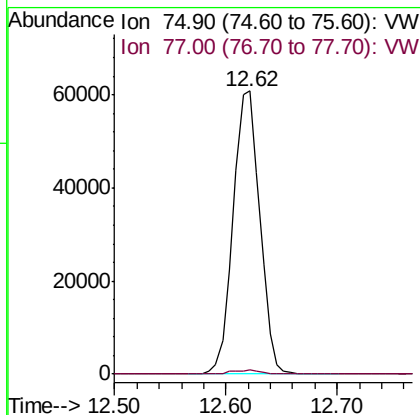
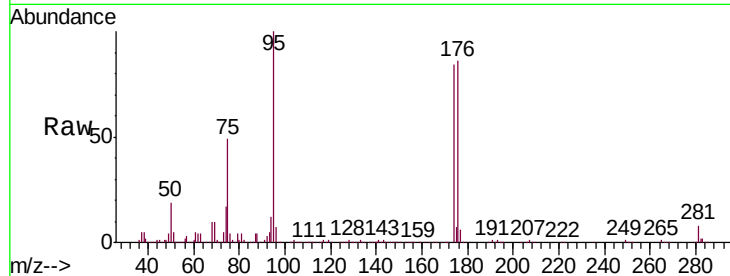




#76
 1,2,3-Trichloropropane
 Concen: 68.539 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008466.D
 Acq: 30 Jan 2019 15:25

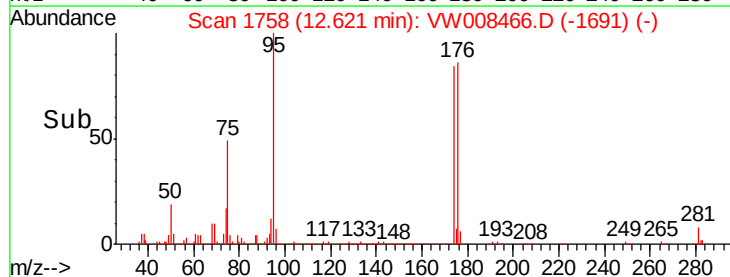
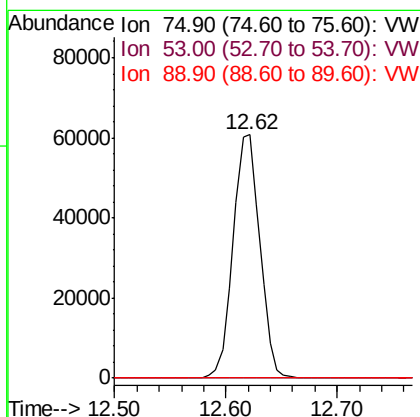
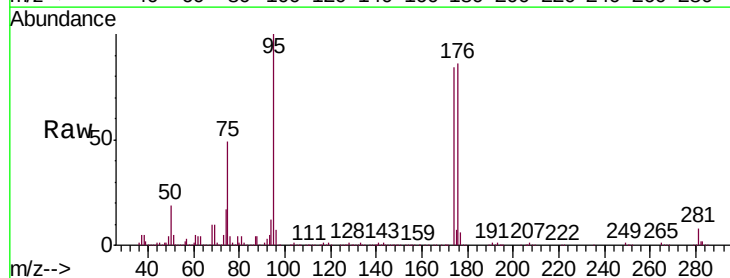
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5

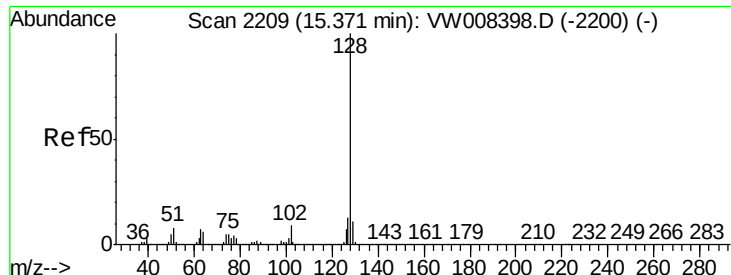
Tgt Ion: 75 Resp: 101077
 Ion Ratio Lower Upper
 75 100
 77 1.6 180.7 542.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.370 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008466.D
 Acq: 30 Jan 2019 15:25

Tgt Ion: 75 Resp: 101077
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.0 114.0#
 89 0.2 35.4 53.0#





#95
 Naphthalene
 Concen: 4.817 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW008466.D
 Acq: 30 Jan 2019 15:25

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	15.8
129	12.8	8.7	13.1

