

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059219.D
 Acq On : 20 Jun 2018 7:13
 Operator : VA/AP
 Sample : J3575-10
 Misc : 13.77g/5mL/MSVOA-F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 07:46:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	10224	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.74	114	10180	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	6386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	1277	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	1874	15.11	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	30.22%	
35) Dibromofluoromethane	4.27	113	2656	37.18	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	74.36%	
50) Toluene-d8	7.69	98	7400	35.26	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	70.52%	
62) 4-Bromofluorobenzene	11.50	95	2404	22.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	44.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.07	50	300	3.347	ug/l #	41
5) Bromomethane	1.20	94	61	1.295	ug/l #	1
6) Chloroethane	1.52	64	73	2.176	ug/l #	44
8) Diethyl Ether	1.78	74	62	1.960	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.88	101	97	1.211	ug/l #	19
12) 1,1-Dichloroethene	1.79	96	90	1.336	ug/l #	1
13) Acrolein	2.04	56	62	9.016	ug/l #	12
16) Acetone	2.36	43	122	4.121	ug/l #	59
18) Methyl Acetate	2.41	43	143	2.810	ug/l #	66
19) Methyl tert-butyl Ether	2.53	73	364	1.741	ug/l #	1
20) Methylene Chloride	2.27	84	169	2.384	ug/l #	31
21) trans-1,2-Dichloroethene	2.44	96	76	1.029	ug/l #	1
23) Vinyl Acetate	3.26	43	298	1.739	ug/l #	78
25) 2-Butanone	4.46	43	60	1.307	ug/l #	56
26) 2,2-Dichloropropane	3.66	77	149	1.303	ug/l #	65
29) Tetrahydrofuran	4.22	42	64	3.165	ug/l #	36
37) Ethyl Acetate	4.27	43	166	2.723	ug/l #	17
39) Methylcyclohexane	5.59	83	101	1.004	ug/l #	13
41) Methacrylonitrile	4.89	41	129	4.307	ug/l #	37
42) 1,2-Dichloroethane	5.04	62	390	3.797	ug/l	82
48) Methyl methacrylate	6.85	41	297	5.900	ug/l #	51
49) 1,4-Dioxane	7.06	88	61	162.759	ug/l #	16
51) 4-Methyl-2-Pentanone	8.42	43	62	1.108	ug/l #	38
55) 1,1,2-Trichloroethane	8.76	97	82	1.372	ug/l #	16
59) 2-Hexanone	9.60	43	67	1.514	ug/l #	26
74) N-amyl acetate	11.46	43	96	3.040	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.83	83	80	3.817	ug/l #	24
76) 1,2,3-Trichloropropane	11.75	75	64	4.134	ug/l #	1
79) 2-Chlorotoluene	11.69	91	90	1.456	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.96	105	80	1.093	ug/l #	28
81) trans-1,4-Dichloro-2-buten	12.02	75	65	6.476	ug/l #	1
89) n-Butylbenzene	12.89	91	211	1.375	ug/l #	28
92) 1,2-Dibromo-3-Chloropropan	13.64	75	59	14.350	ug/l #	8
95) Naphthalene	14.49	128	131	2.216	ug/l #	70

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QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

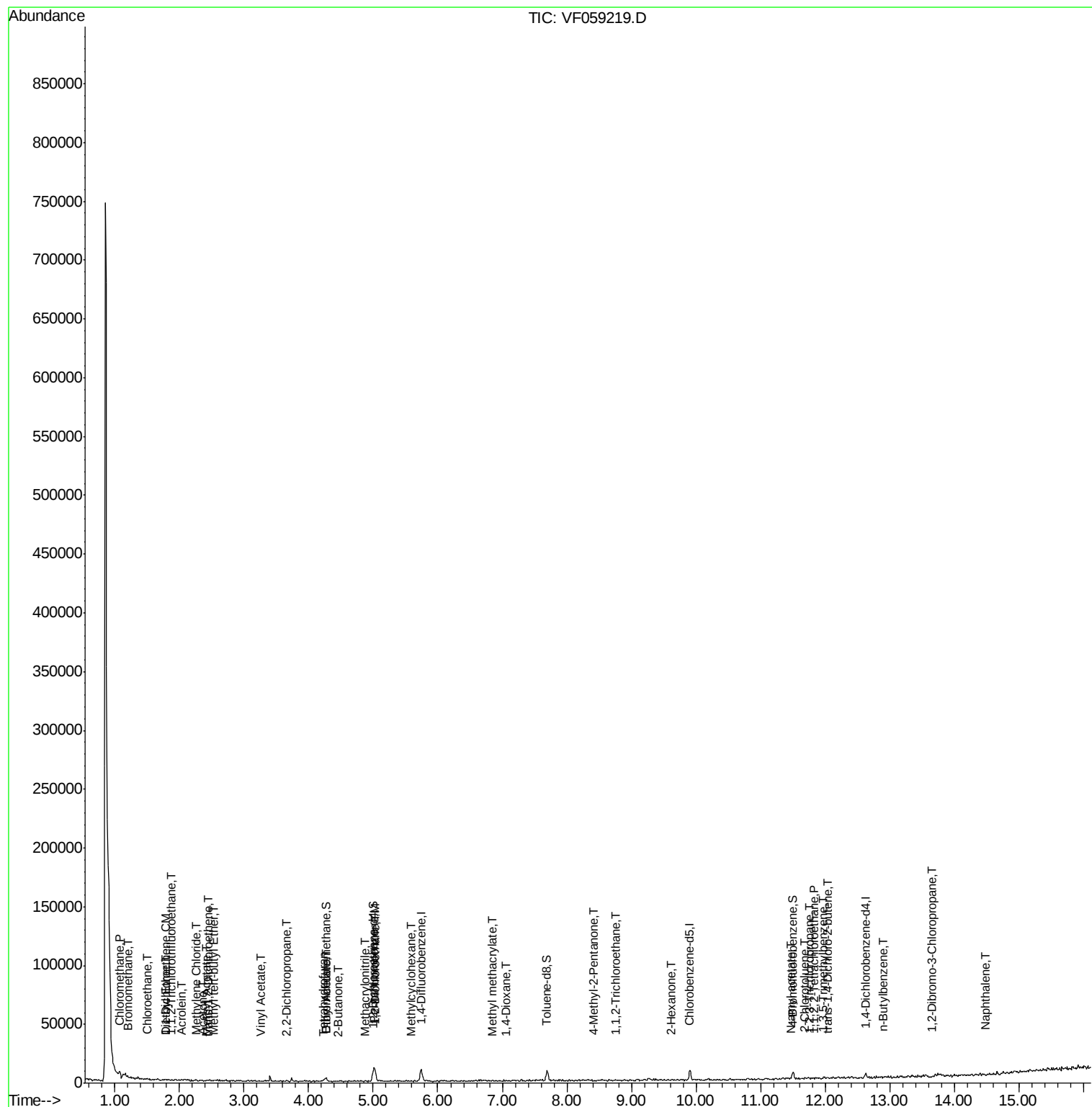
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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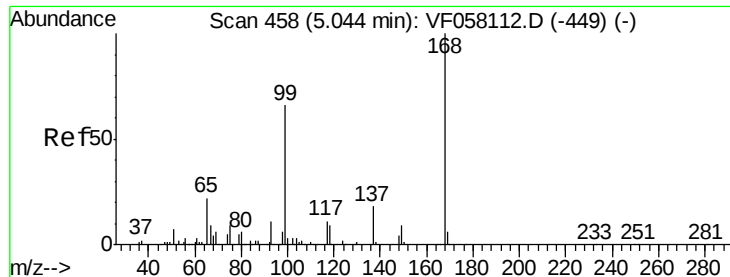
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.03 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

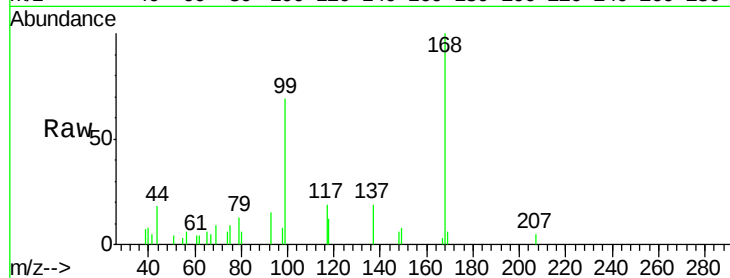
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 10224

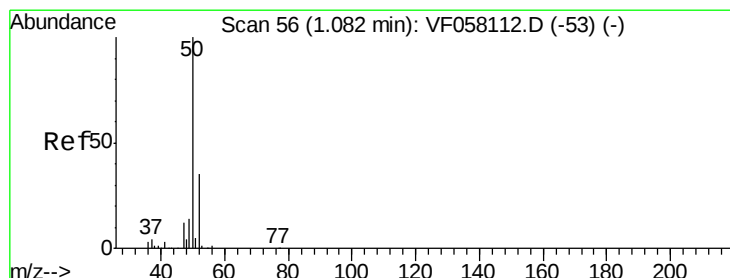
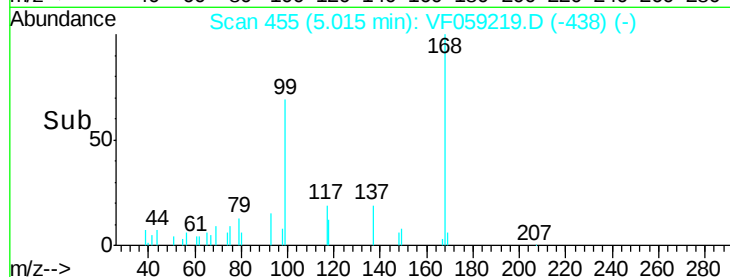
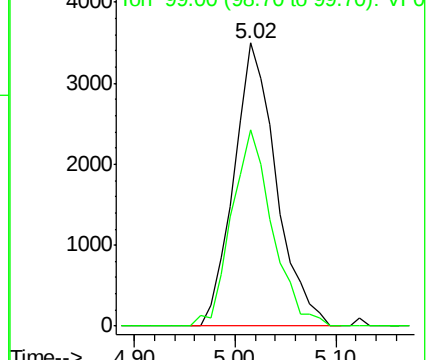
Ion Ratio Lower Upper

168 100

99 69.2 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 3.347 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059219.D

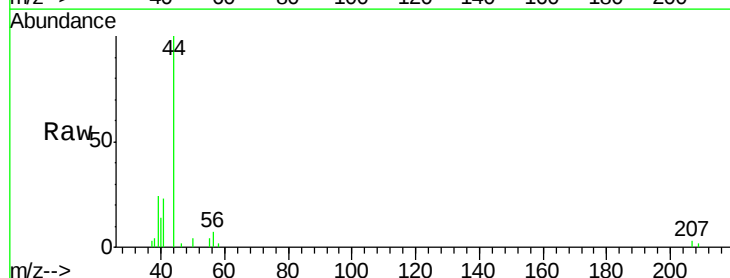
Acq: 20 Jun 2018 7:13

Tgt Ion: 50 Resp: 300

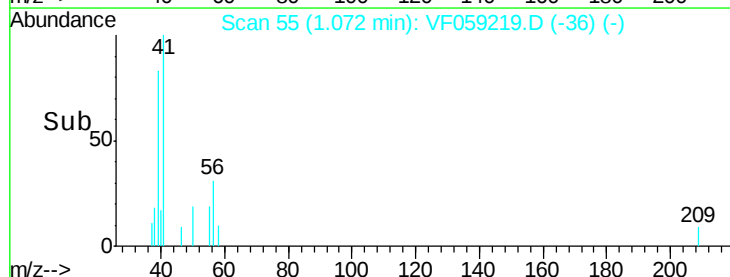
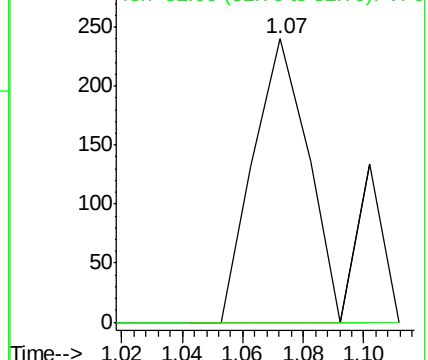
Ion Ratio Lower Upper

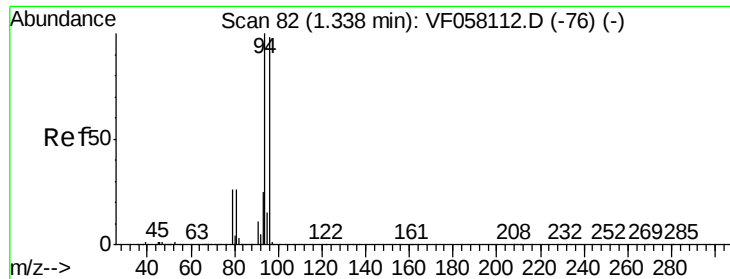
50 100

52 0.0 27.3 40.9#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#5

Bromomethane

Concen: 1.295 ug/l

RT: 1.20 min Scan# 68

Delta R.T. -0.14 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

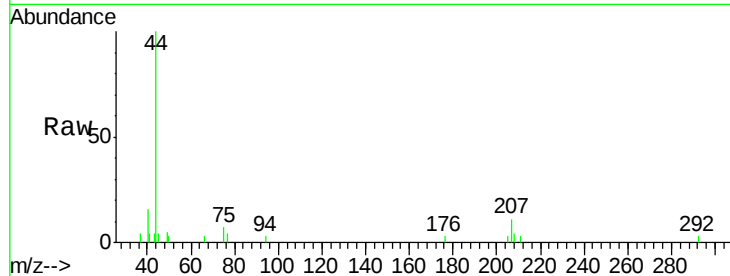
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

96 0.0 78.6 117.8#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.20

100

80

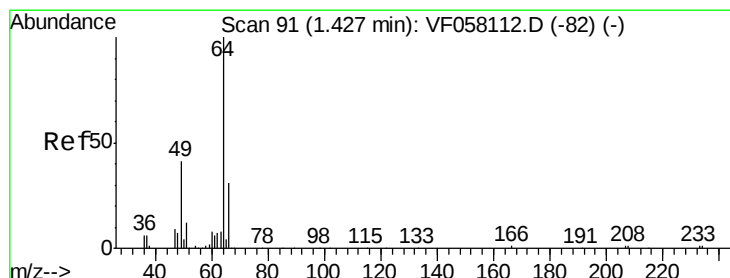
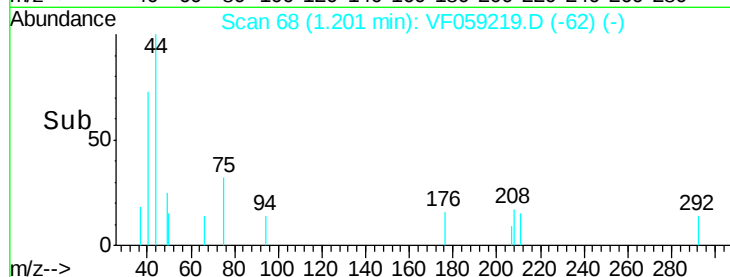
60

40

20

0

Time--> 1.18 1.20 1.22



#6

Chloroethane

Concen: 2.176 ug/l

RT: 1.52 min Scan# 100

Delta R.T. 0.09 min

Lab File: VF059219.D

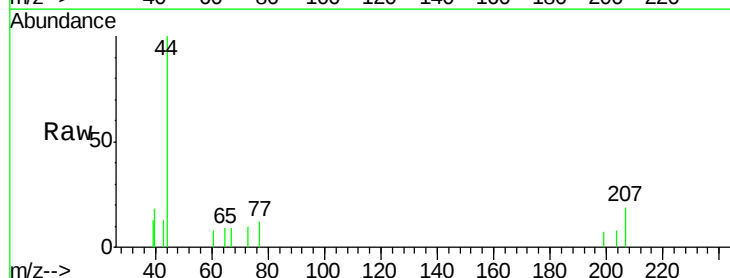
Acq: 20 Jun 2018 7:13

Tgt Ion: 64 Resp: 73

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

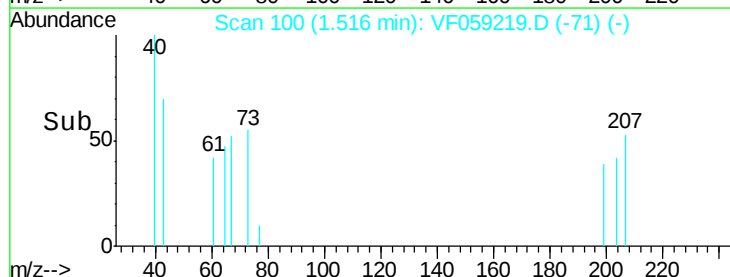
1.52

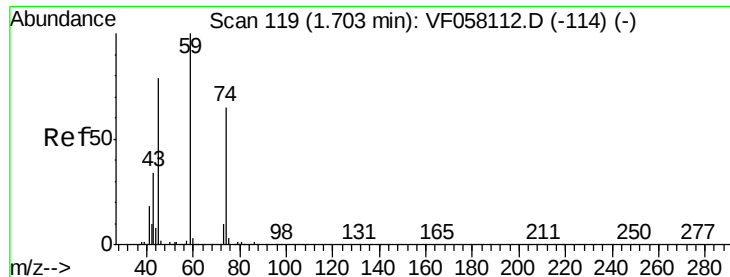
100

50

0

Time--> 1.48 1.50 1.52 1.54





#8

Diethyl Ether

Concen: 1.960 ug/l

RT: 1.78 min Scan# 127

Delta R.T. 0.08 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

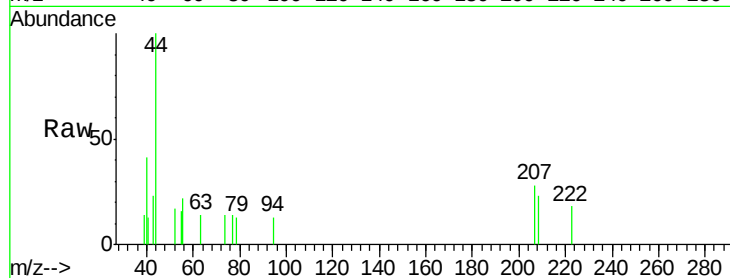
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 74 Resp: 62

Ion Ratio Lower Upper

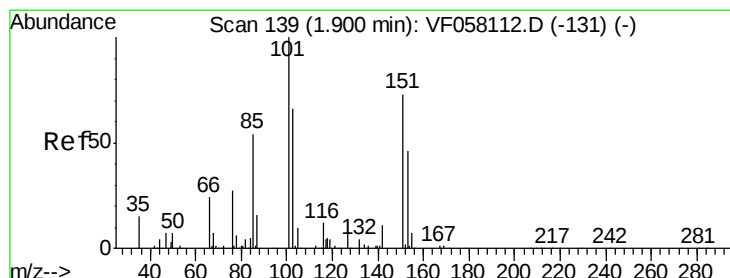
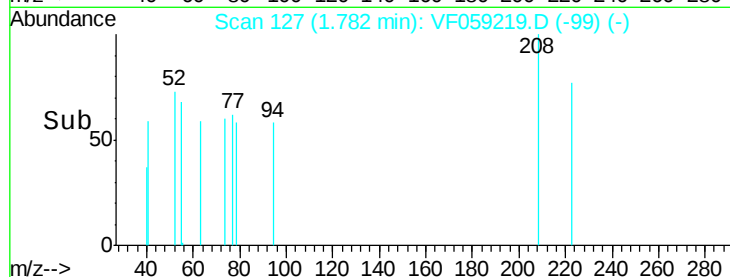
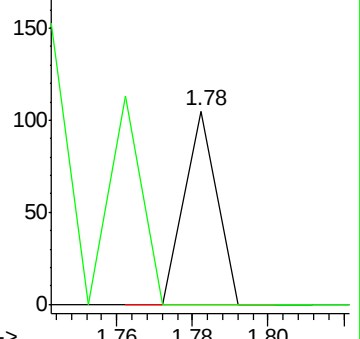
74 100

45 0.0 61.5 184.4#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.211 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

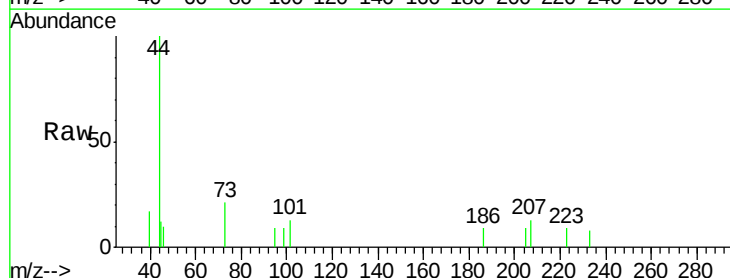
Tgt Ion: 101 Resp: 97

Ion Ratio Lower Upper

101 100

85 0.0 42.2 63.4#

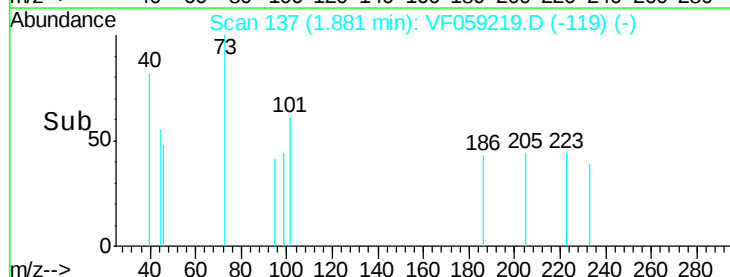
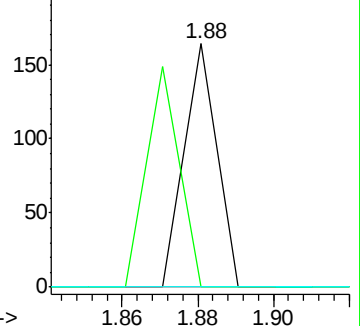
151 0.0 56.8 85.2#

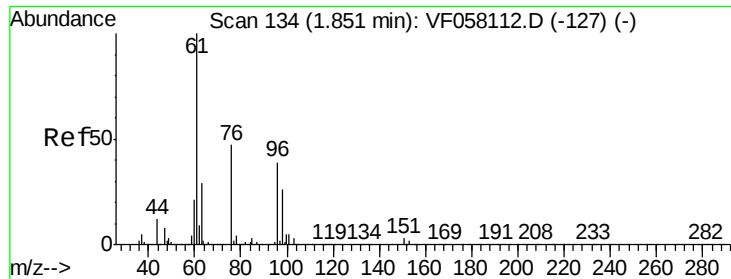


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

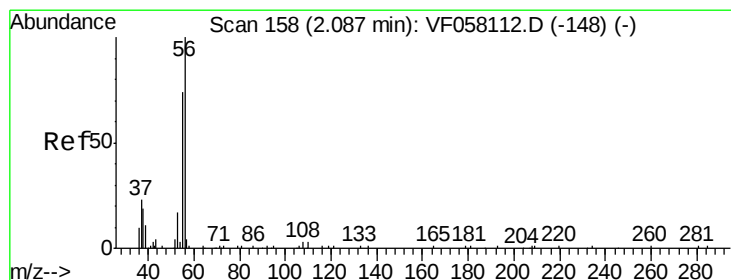
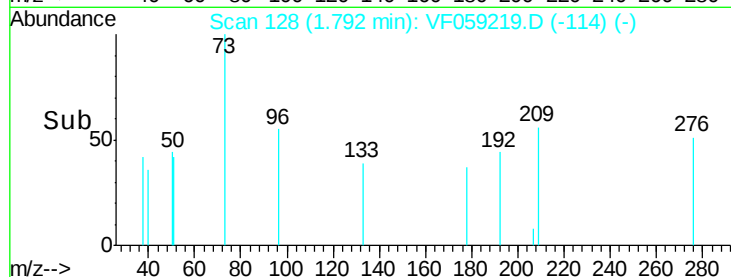
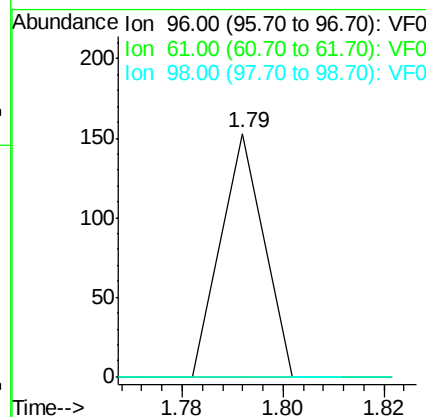
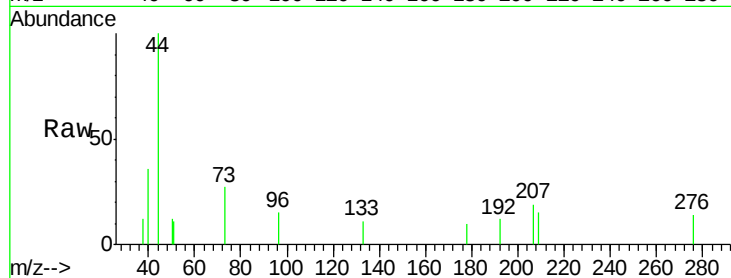




#12
 1,1-Dichloroethene
 Concen: 1.336 ug/l
 RT: 1.79 min Scan# 128
 Delta R.T. -0.06 min
 Lab File: VF059219.D
 Acq: 20 Jun 2018 7:13

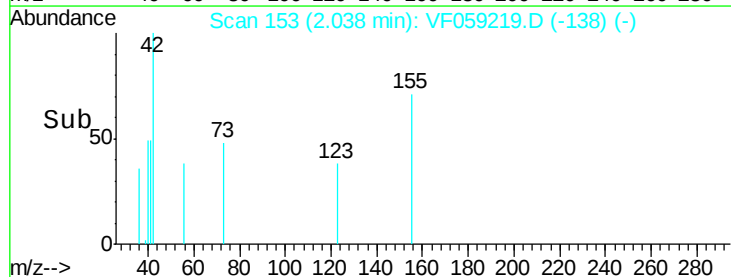
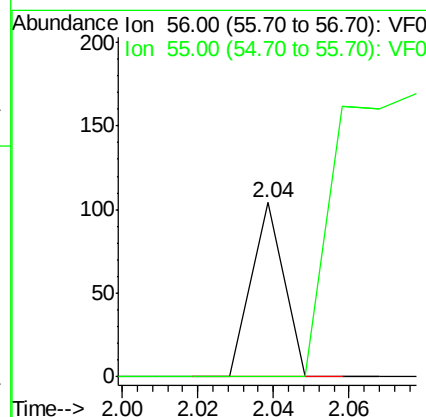
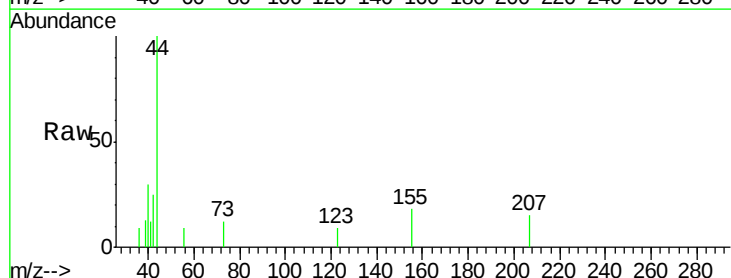
Instrument :
 MSVOA_F
 ClientSampled :

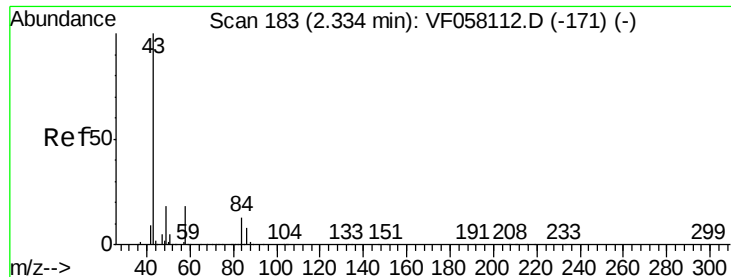
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	203.0	304.4#
98	0.0	52.7	79.1#



#13
 Acrolein
 Concen: 9.016 ug/l
 RT: 2.04 min Scan# 153
 Delta R.T. -0.05 min
 Lab File: VF059219.D
 Acq: 20 Jun 2018 7:13

Tgt Ion	Ratio	Lower	Upper
56	100		
55	0.0	60.0	90.0#





#16

Acetone

Concen: 4.121 ug/l

RT: 2.36 min Scan# 186

Delta R.T. 0.03 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

Instrument :

MSVOA_F

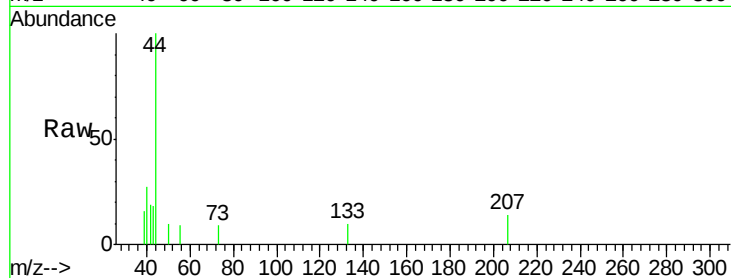
ClientSampleId :

Tot Ion: 43 Resp: 122

Ion Ratio Lower Upper

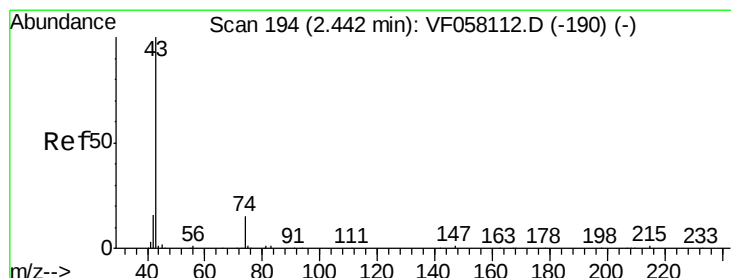
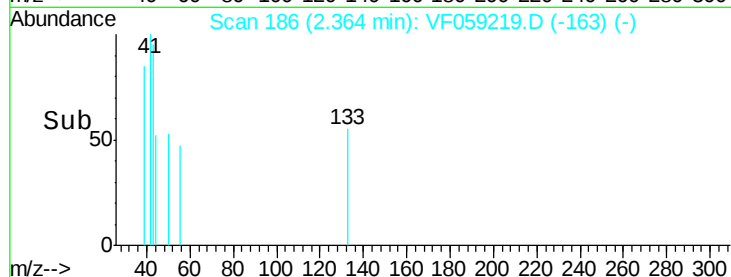
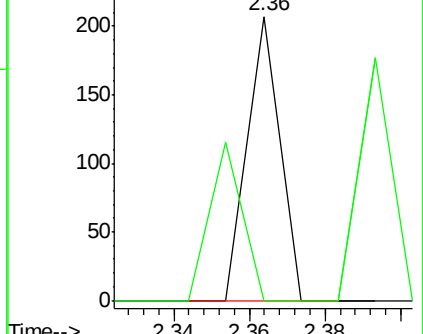
43 100

58 0.0 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 2.810 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.03 min

Lab File: VF059219.D

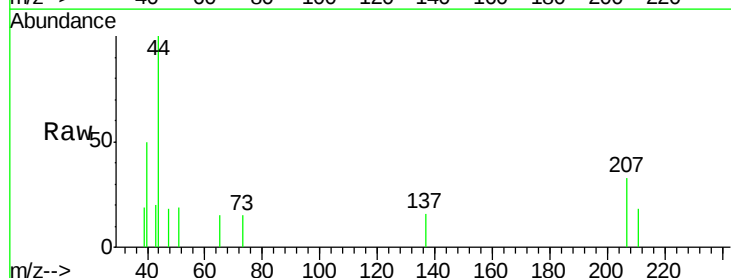
Acq: 20 Jun 2018 7:13

Tgt Ion: 43 Resp: 143

Ion Ratio Lower Upper

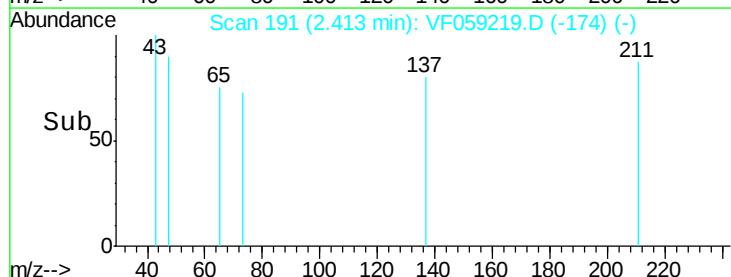
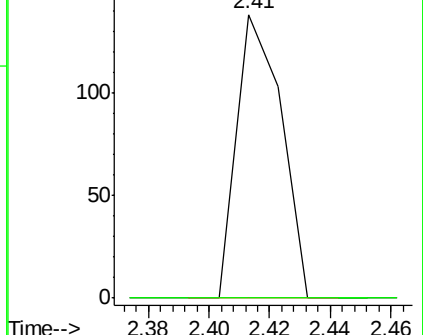
43 100

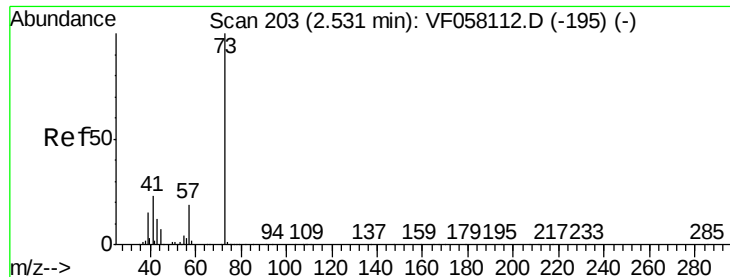
74 0.0 10.9 16.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



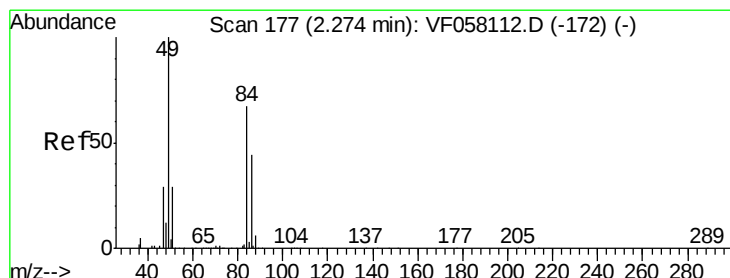
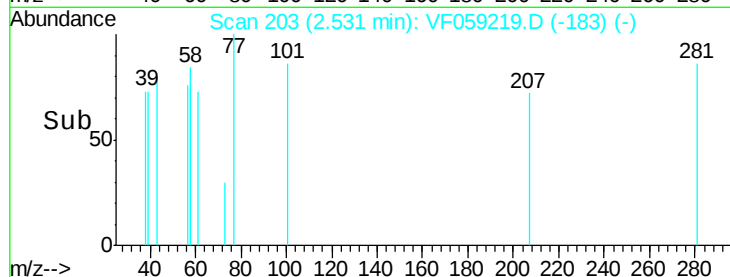
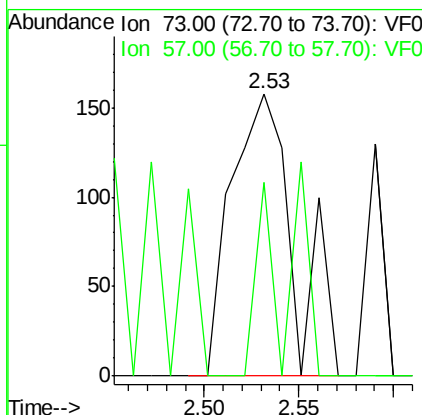
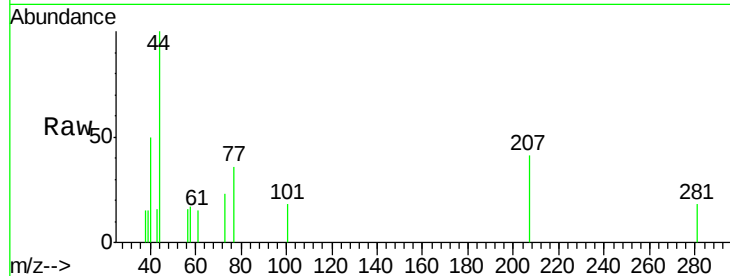


#19

Methyl tert-butyl Ether
 Concen: 1.741 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059219.D
 Acq: 20 Jun 2018 7:13

Instrument :
 MSVOA_F
 ClientSampleId :

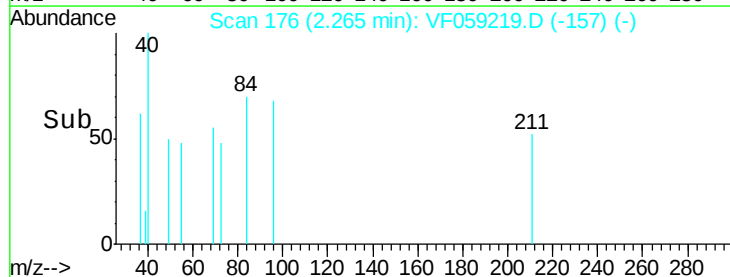
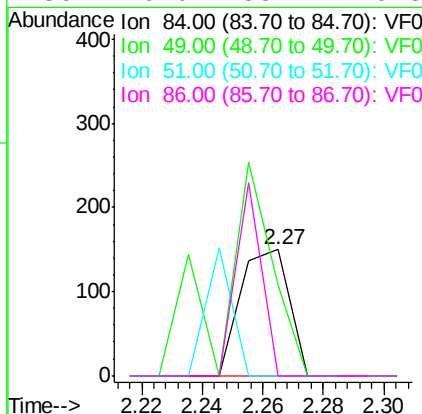
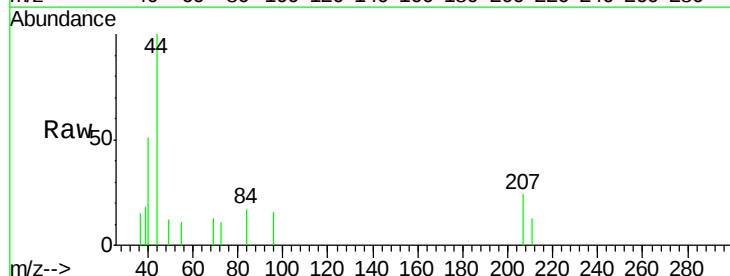
Tot Ion: 73 Resp: 364
 Ion Ratio Lower Upper
 73 100
 57 68.4 15.0 22.4#

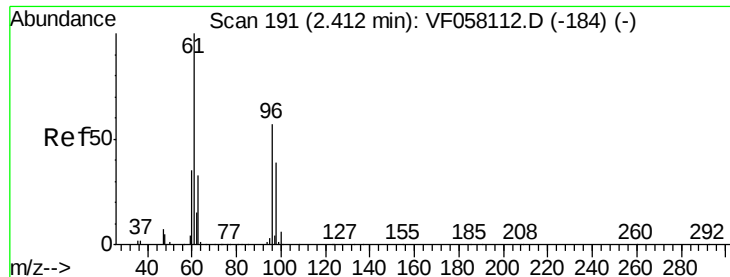


#20

Methylene Chloride
 Concen: 2.384 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VF059219.D
 Acq: 20 Jun 2018 7:13

Tgt Ion: 84 Resp: 169
 Ion Ratio Lower Upper
 84 100
 49 72.0 121.0 181.4#
 51 0.0 35.8 53.6#
 86 0.0 53.2 79.8#





#21

trans-1,2-Dichloroethene

Concen: 1.029 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.03 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

Instrument :

MSVOA_F

ClientSampleId :

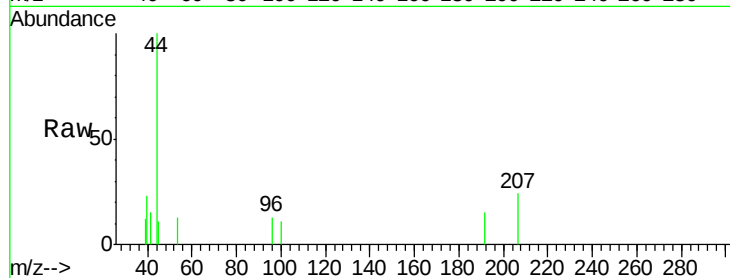
Tot Ion: 96 Resp: 76

Ion Ratio Lower Upper

96 100

61 0.0 139.4 209.2#

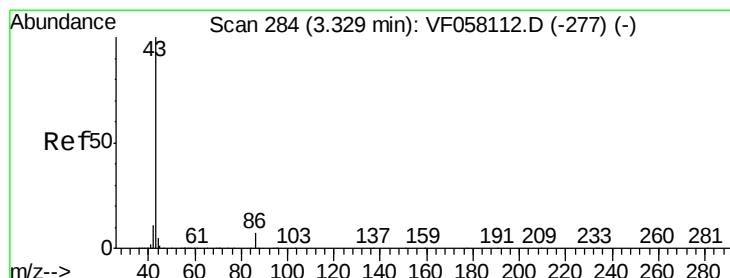
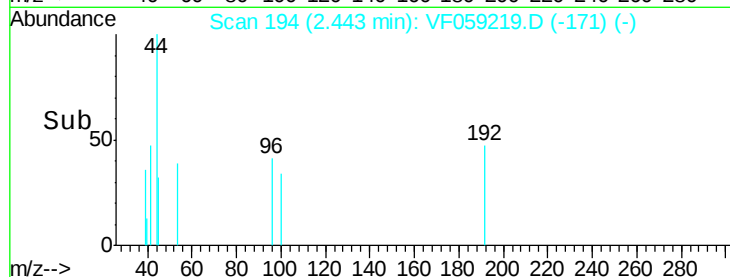
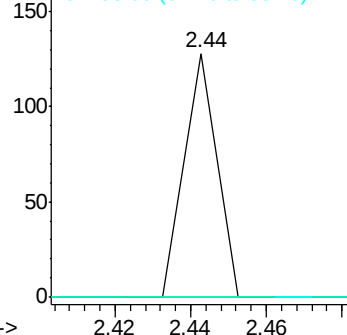
98 0.0 54.0 81.0#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#23

Vinyl Acetate

Concen: 1.739 ug/l

RT: 3.26 min Scan# 277

Delta R.T. -0.07 min

Lab File: VF059219.D

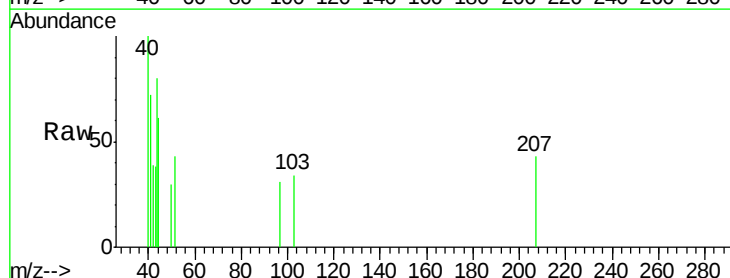
Acq: 20 Jun 2018 7:13

Tgt Ion: 43 Resp: 298

Ion Ratio Lower Upper

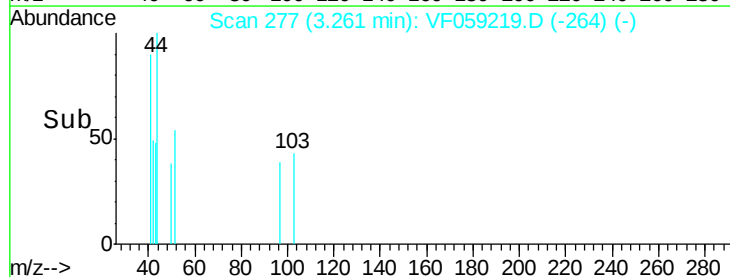
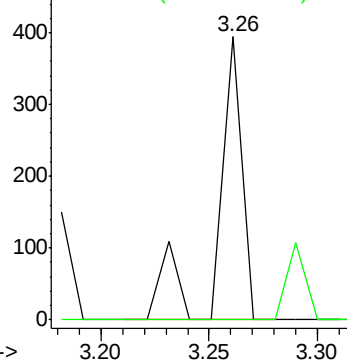
43 100

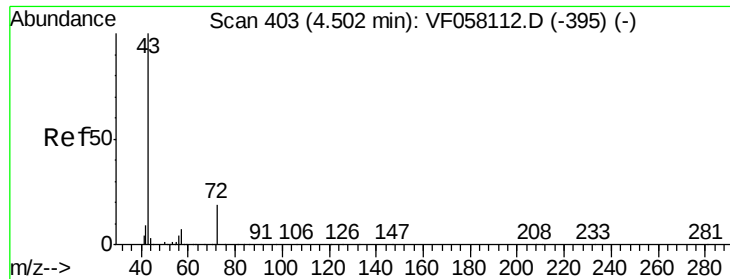
86 0.0 6.0 9.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 1.307 ug/l

RT: 4.46 min Scan# 399

Delta R.T. -0.04 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

Instrument :

MSVOA_F

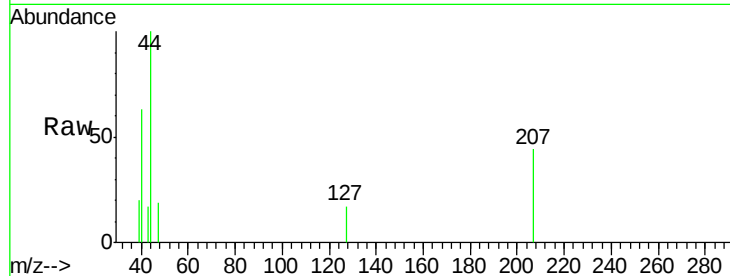
ClientSampled :

Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

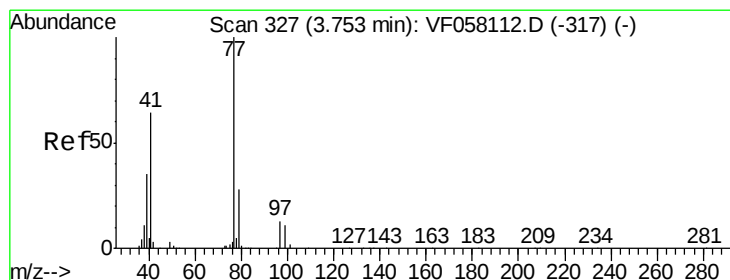
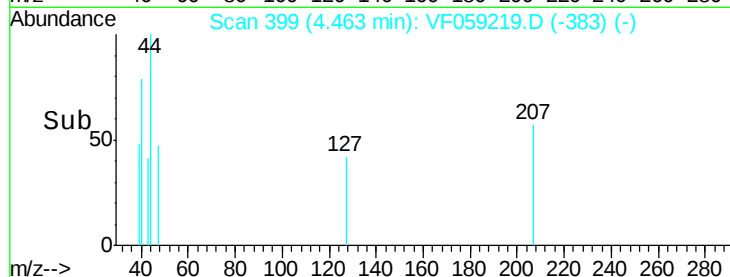
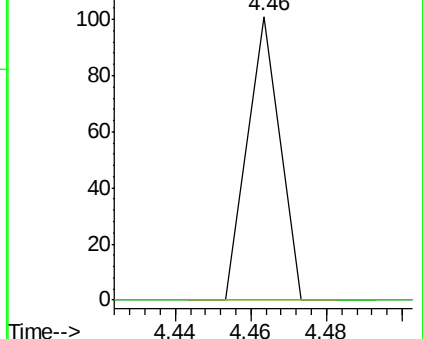
43 100

72 0.0 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 1.303 ug/l

RT: 3.66 min Scan# 318

Delta R.T. -0.09 min

Lab File: VF059219.D

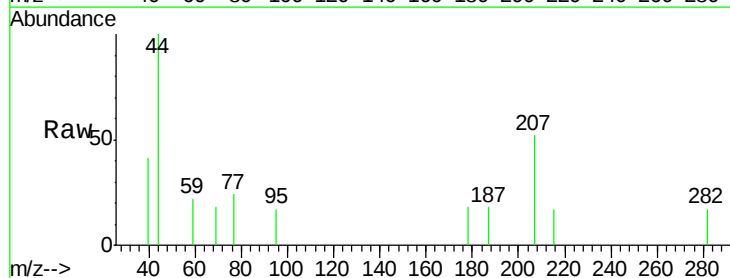
Acq: 20 Jun 2018 7:13

Tgt Ion: 77 Resp: 149

Ion Ratio Lower Upper

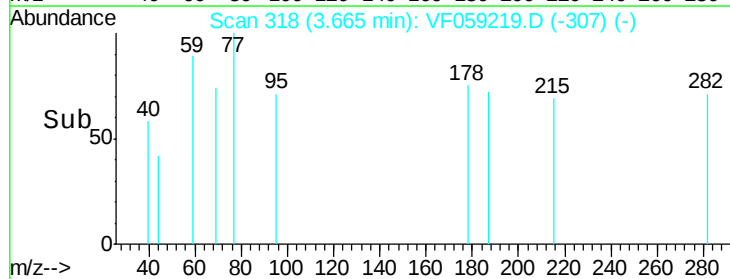
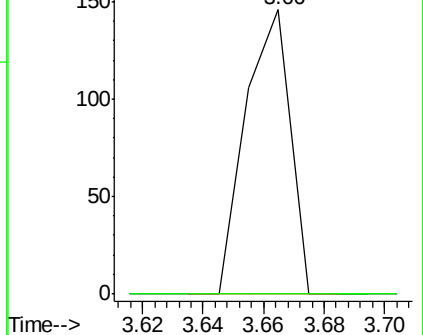
77 100

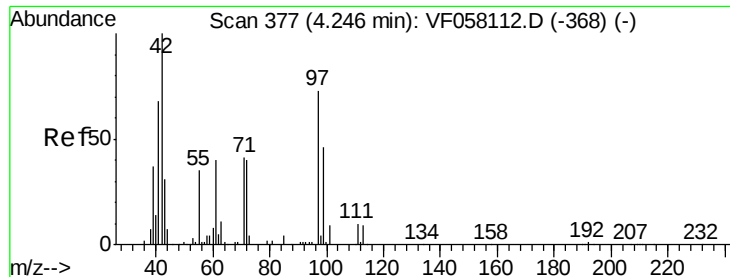
97 0.0 7.2 21.6#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#29

Tetrahydrofuran

Concen: 3.165 ug/l

RT: 4.22 min Scan# 374

Delta R.T. -0.03 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

Instrument :

MSVOA_F

ClientSampleId :

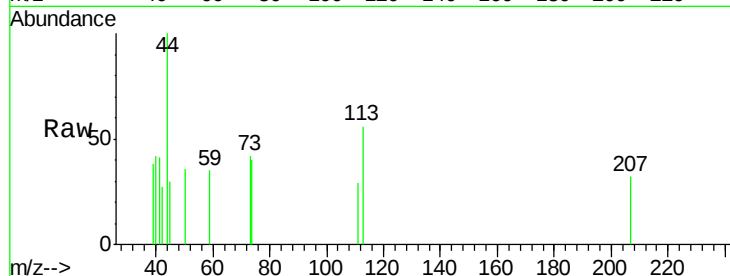
Tot Ion: 42 Resp: 64

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

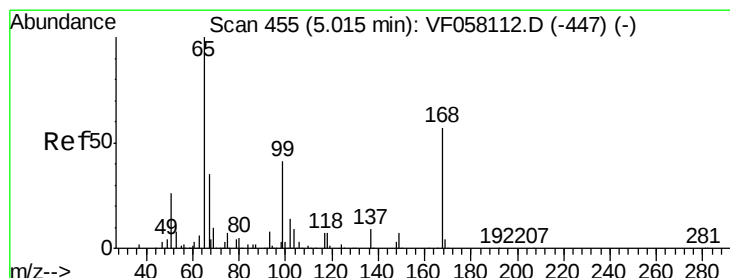
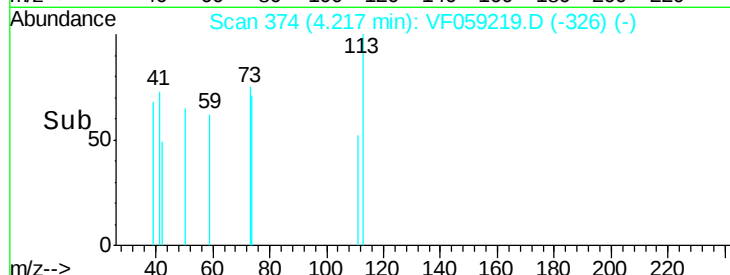
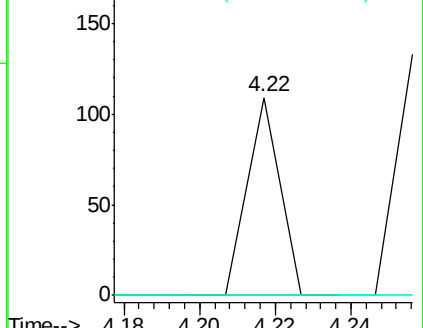
71 0.0 31.5 47.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 15.113 ug/l

RT: 4.99 min Scan# 452

Delta R.T. -0.03 min

Lab File: VF059219.D

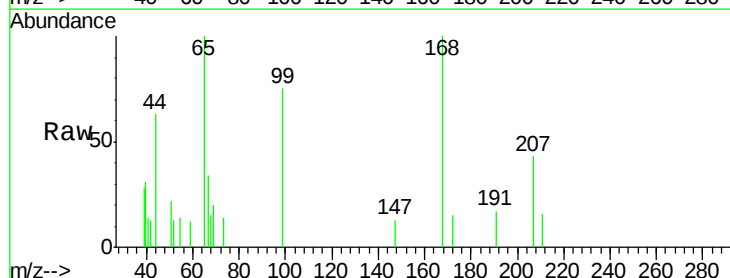
Acq: 20 Jun 2018 7:13

Tgt Ion: 65 Resp: 1874

Ion Ratio Lower Upper

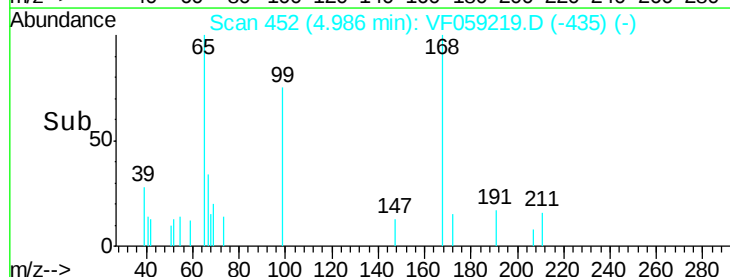
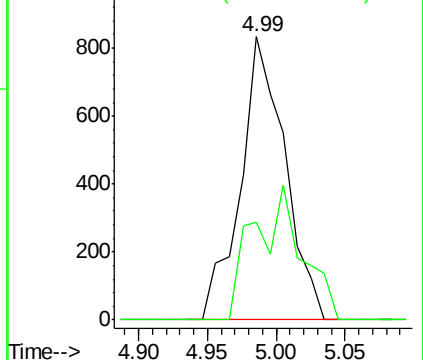
65 100

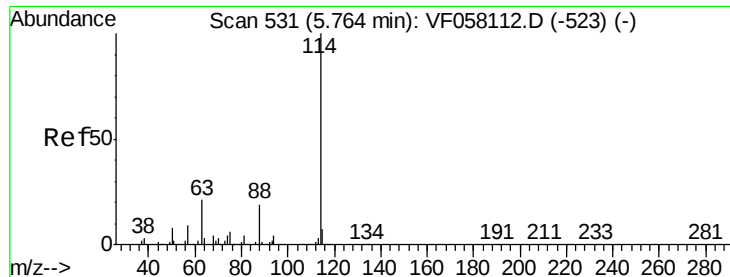
67 34.5 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.02 min

Lab File: VF059219.D

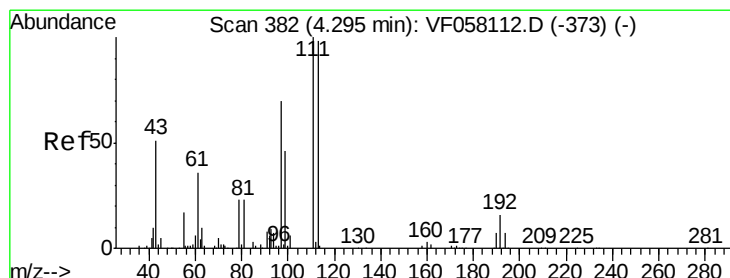
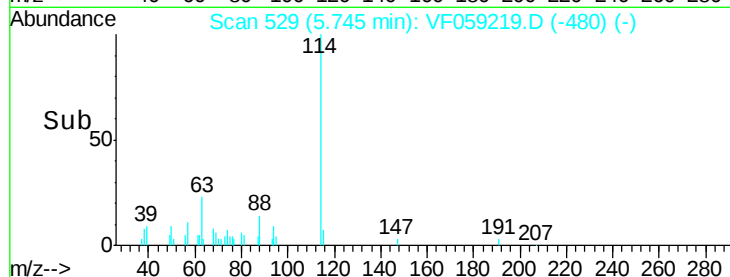
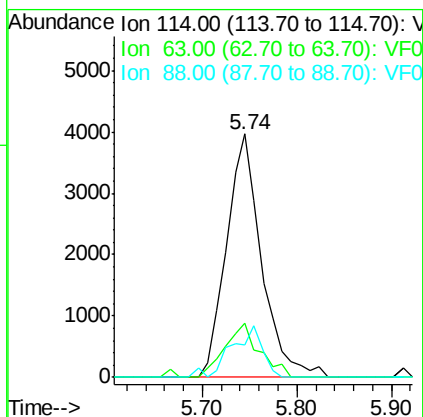
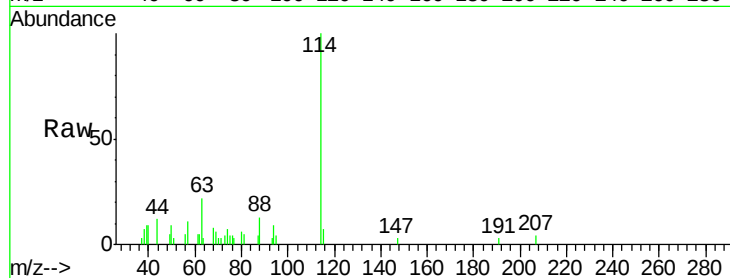
Acq: 20 Jun 2018 7:13

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	114	Resp:	10180
Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.6
88	13.4	0.0	38.8



#35

Dibromofluoromethane

Concen: 37.183 ug/l

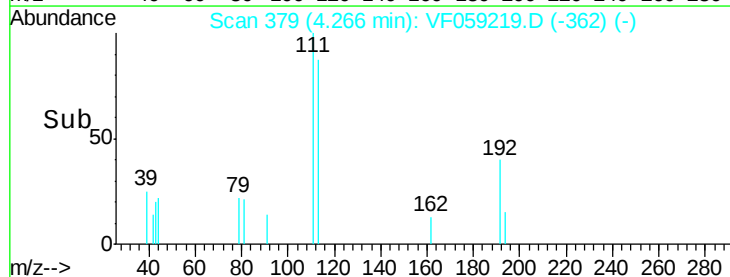
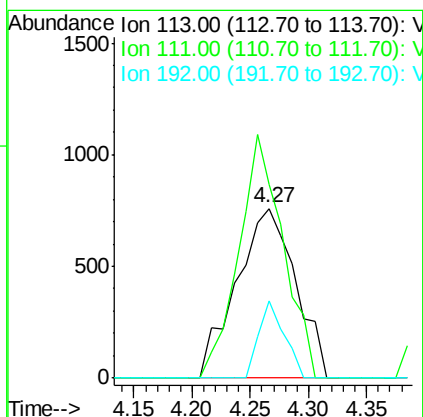
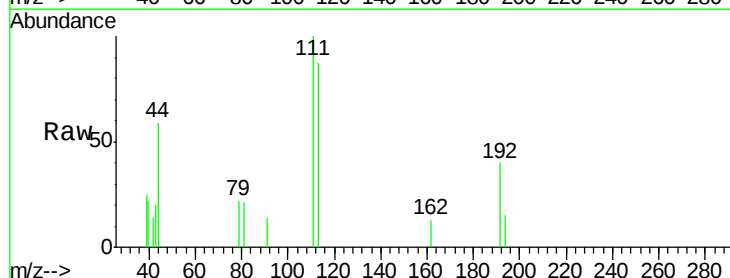
RT: 4.27 min Scan# 379

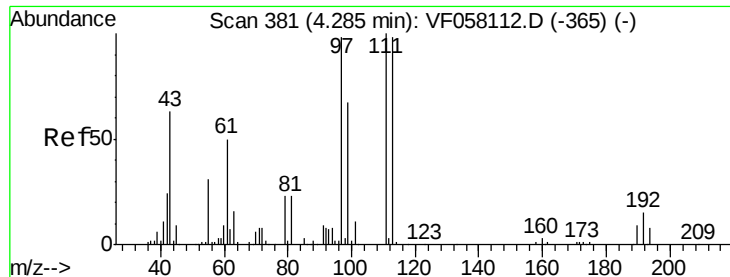
Delta R.T. -0.03 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

Tgt Ion:	113	Resp:	2656
Ion	Ratio	Lower	Upper
113	100		
111	114.5	81.3	121.9
192	45.8	12.7	19.1#

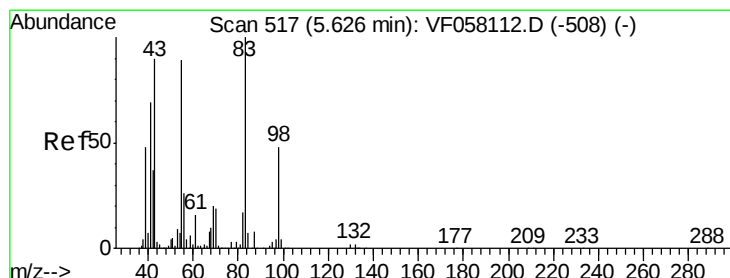
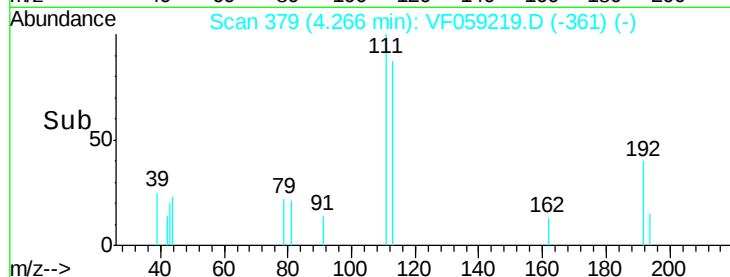
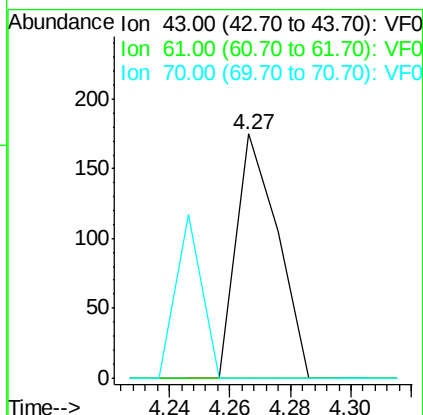
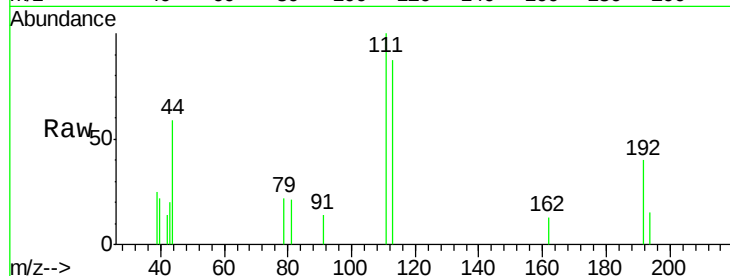




#37
Ethyl Acetate
Concen: 2.723 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF059219.D
Acq: 20 Jun 2018 7:13

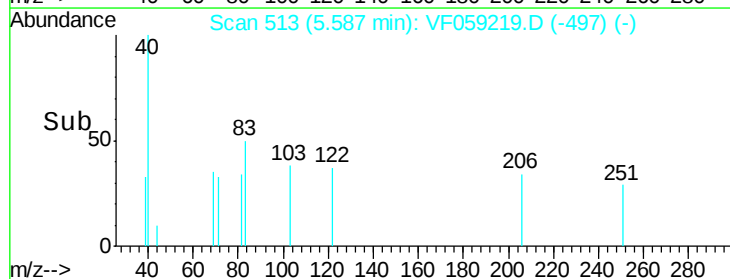
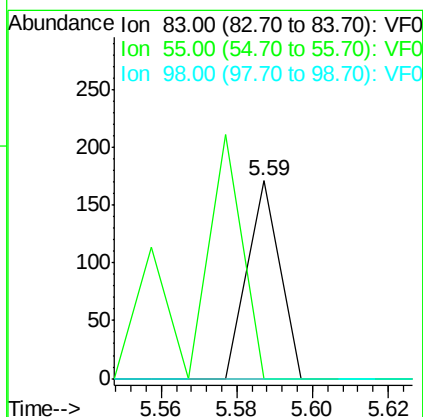
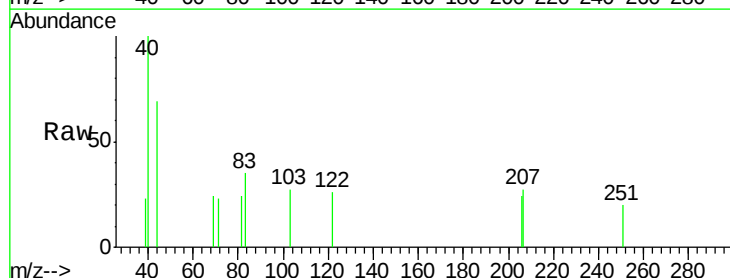
Instrument :
MSVOA_F
ClientSampleId :

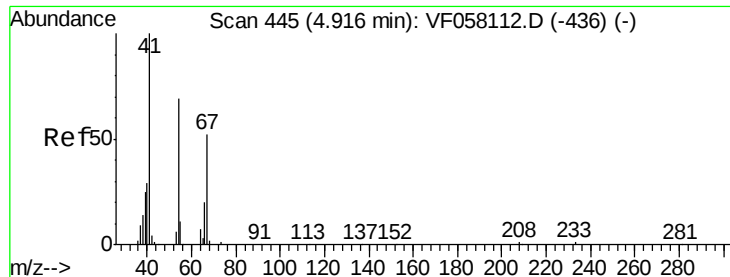
Tot Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
61 0.0 63.0 94.4#
70 0.0 7.5 11.3#



#39
Methylcyclohexane
Concen: 1.004 ug/l
RT: 5.59 min Scan# 513
Delta R.T. -0.04 min
Lab File: VF059219.D
Acq: 20 Jun 2018 7:13

Tgt Ion: 83 Resp: 101
Ion Ratio Lower Upper
83 100
55 0.0 71.0 106.4#
98 0.0 38.1 57.1#





#41

Methacrylonitrile

Concen: 4.307 ug/l

RT: 4.89 min Scan# 442

Delta R.T. -0.03 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 41 Resp: 129

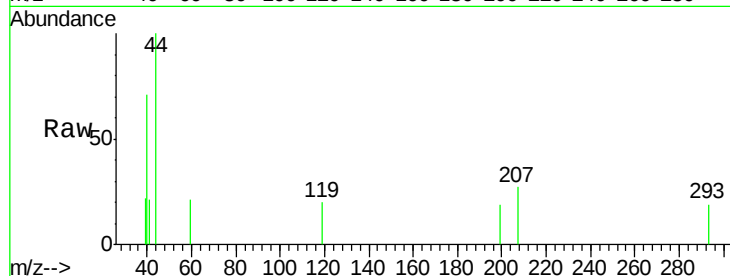
Ion Ratio Lower Upper

41 100

39 106.3 53.0 79.4#

67 0.0 41.0 61.6#

52 0.0 36.8 55.2#

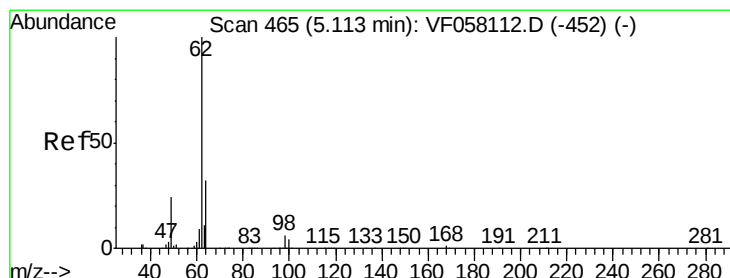
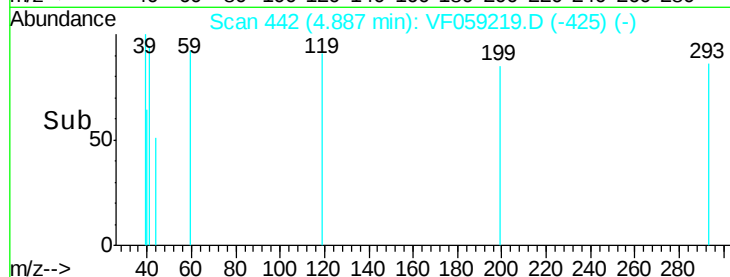
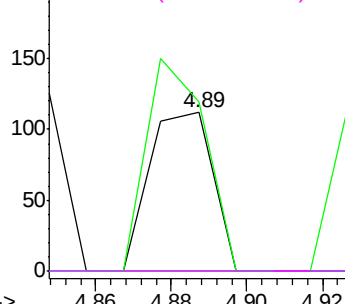


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 3.797 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.08 min

Lab File: VF059219.D

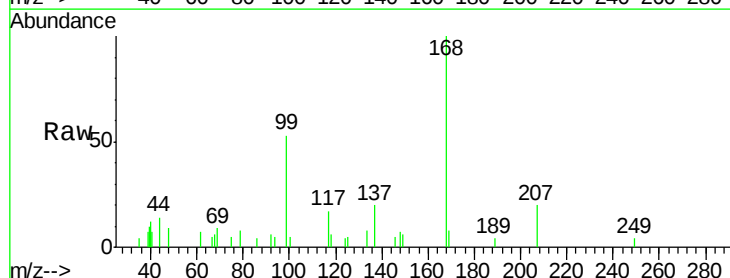
Acq: 20 Jun 2018 7:13

Tgt Ion: 62 Resp: 390

Ion Ratio Lower Upper

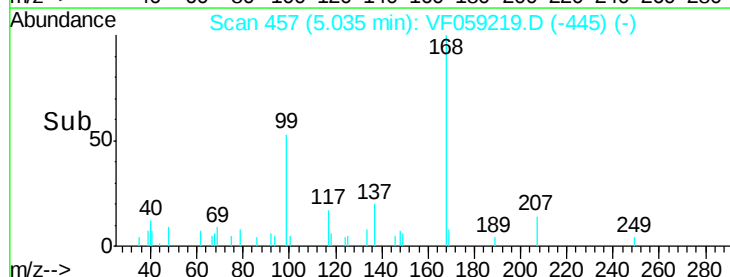
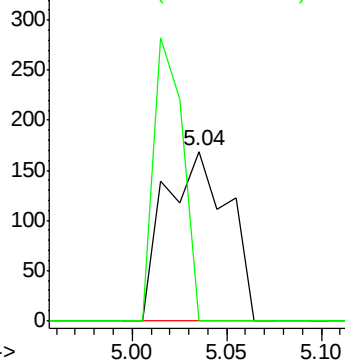
62 100

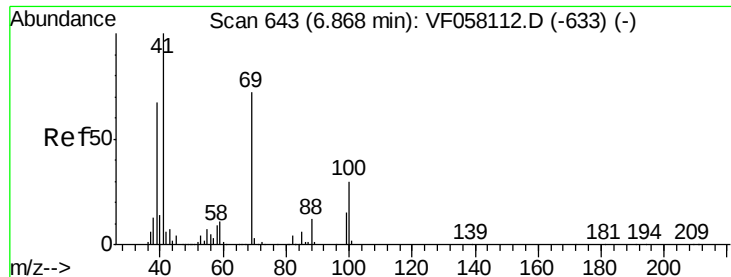
98 0.0 0.0 11.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

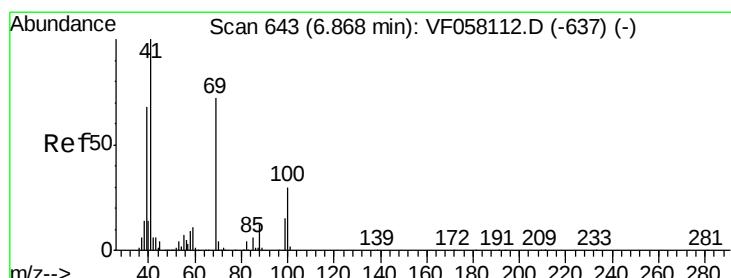
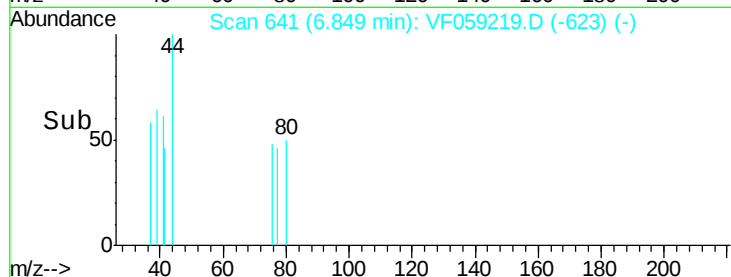
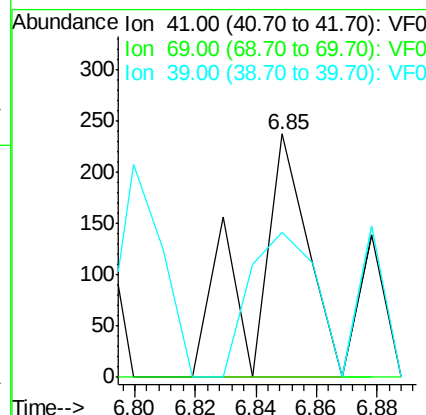
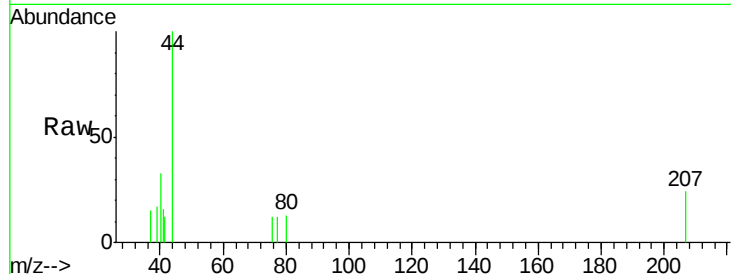




#48
Methvl methacrylate
Concen: 5.900 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF059219.D
Acq: 20 Jun 2018 7:13

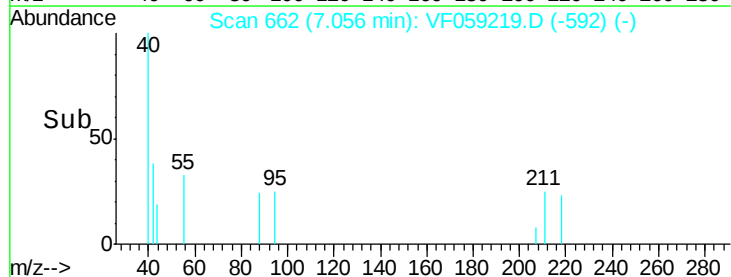
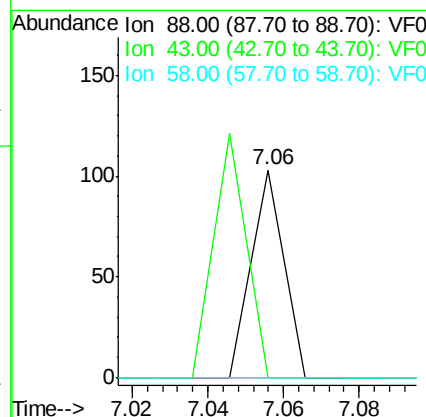
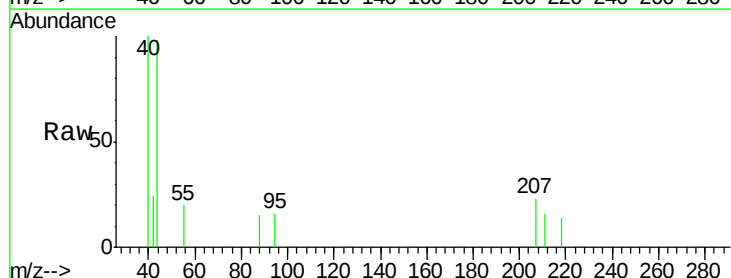
Instrument :
MSVOA_F
ClientSampled :

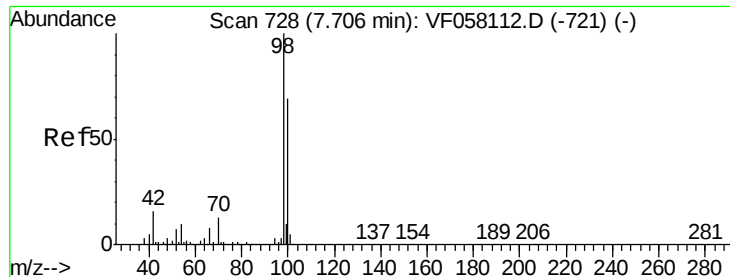
Tot Ion: 41 Resp: 297
Ion Ratio Lower Upper
41 100
69 0.0 57.2 85.8#
39 59.5 54.3 81.5



#49
1,4-Dioxane
Concen: 162.759 ug/l
RT: 7.06 min Scan# 662
Delta R.T. 0.19 min
Lab File: VF059219.D
Acq: 20 Jun 2018 7:13

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 47.8 71.8#
58 0.0 59.4 89.0#

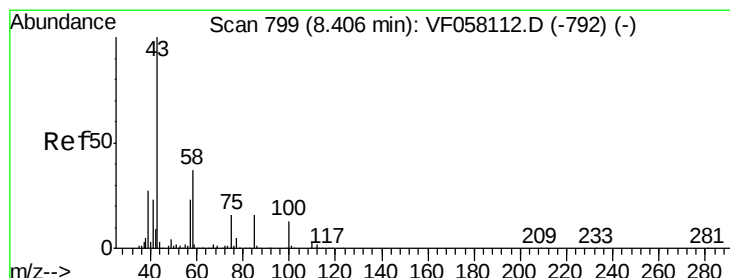
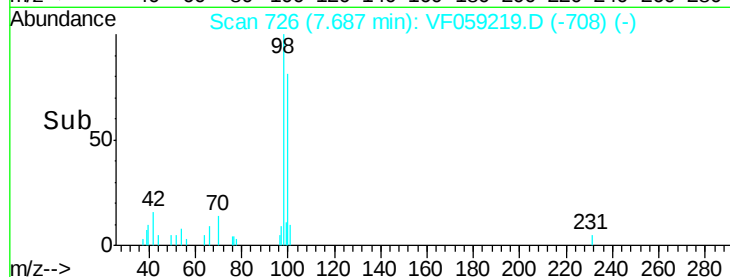
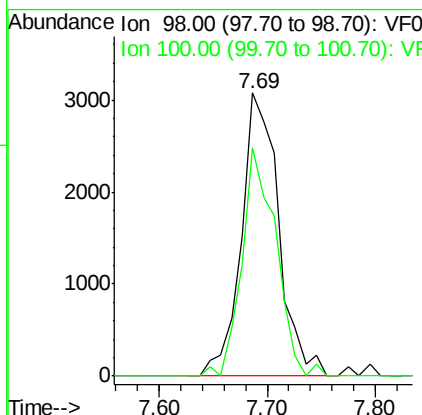
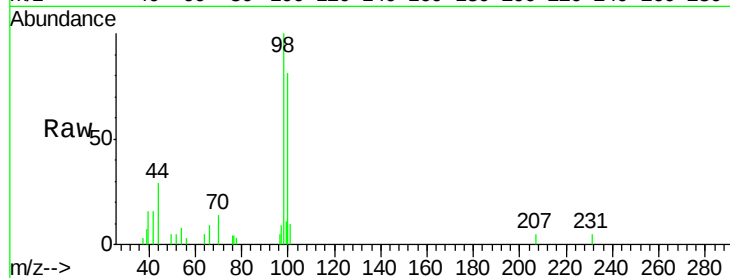




#50
Toluene-d8
Concen: 35.264 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.02 min
Lab File: VF059219.D
Acq: 20 Jun 2018 7:13

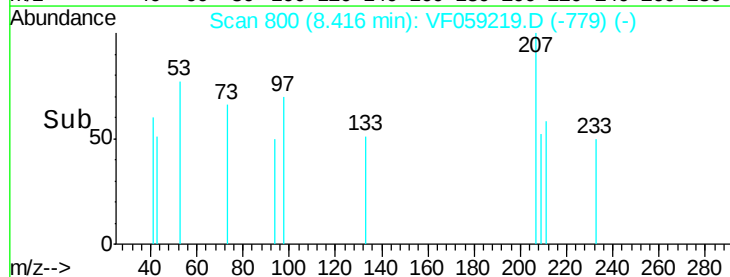
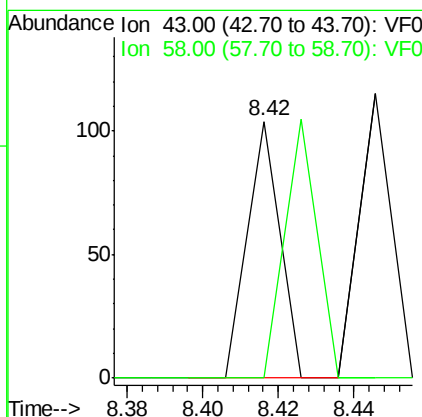
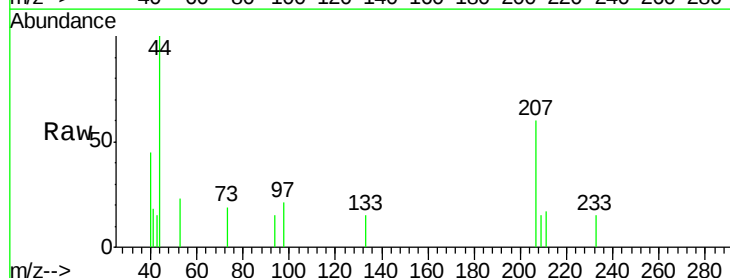
Instrument :
MSVOA_F
ClientSampleId :

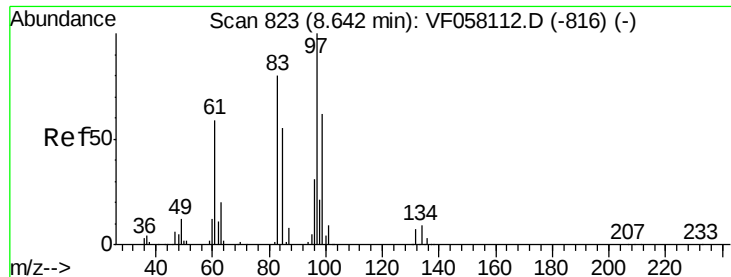
Tot Ion: 98 Resp: 7400
Ion Ratio Lower Upper
98 100
100 80.5 55.6 83.4



#51
4-Methyl-2-Pentanone
Concen: 1.108 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.01 min
Lab File: VF059219.D
Acq: 20 Jun 2018 7:13

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#





#55

1,1,2-Trichloroethane

Concen: 1.372 ug/l

RT: 8.76 min Scan# 835

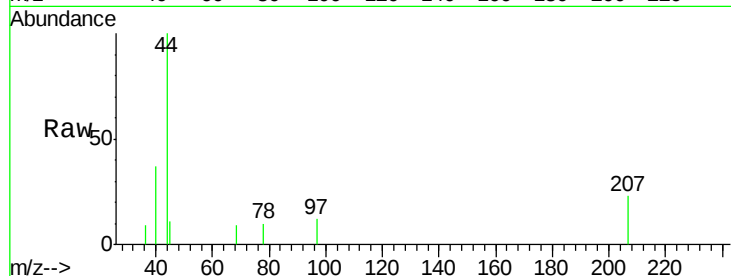
Delta R.T. 0.12 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	82
Ion	Ratio	Lower	Upper
97	100		
83	0.0	64.3	96.5#
85	0.0	43.8	65.8#
99	0.0	49.8	74.8#

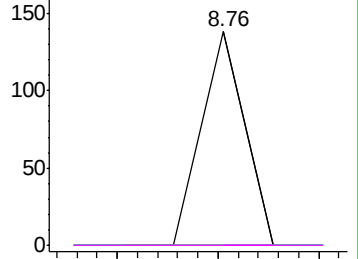


Abundance Ion 97.00 (96.70 to 97.70): VF0

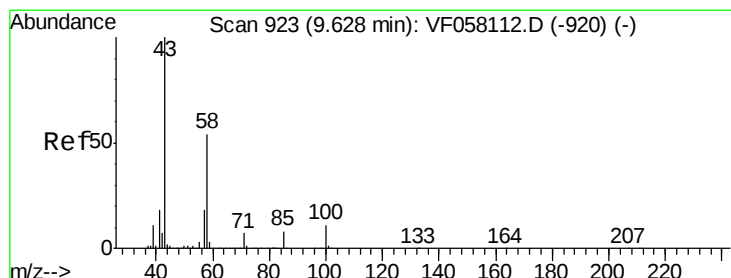
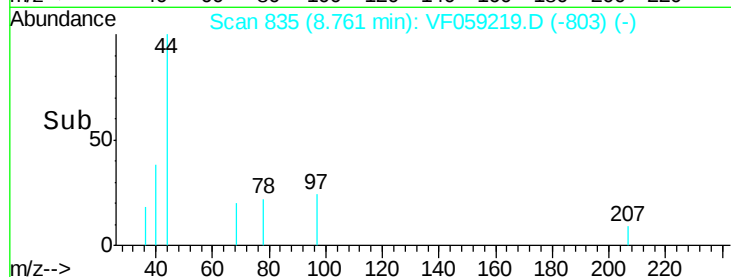
Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



Time-->



#59

2-Hexanone

Concen: 1.514 ug/l

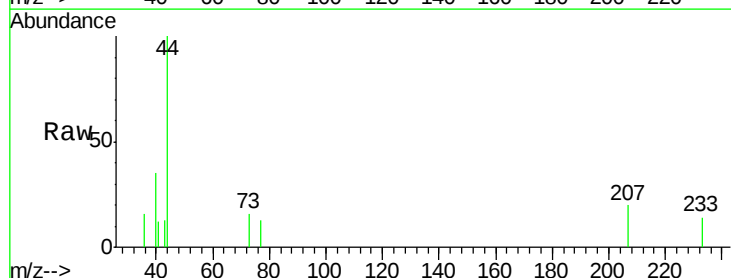
RT: 9.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: VF059219.D

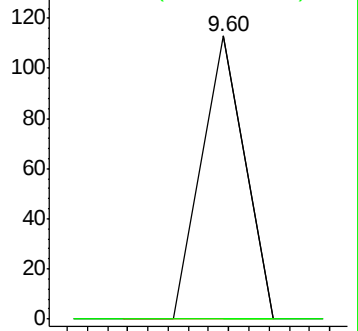
Acq: 20 Jun 2018 7:13

Tgt Ion:	43	Resp:	67
Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.3	78.8#

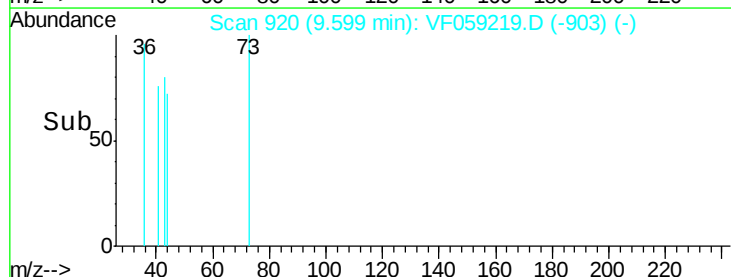


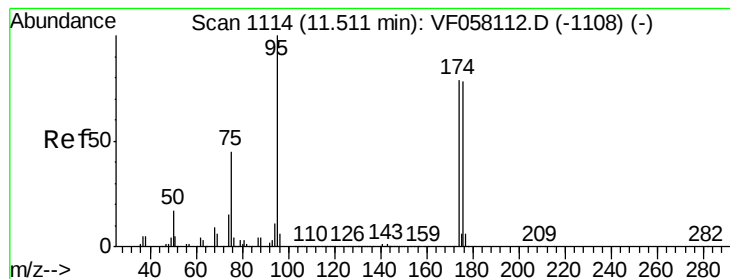
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->





#62

4-Bromofluorobenzene

Concen: 22.335 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

Instrument :

MSVOA_F

ClientSampleId :

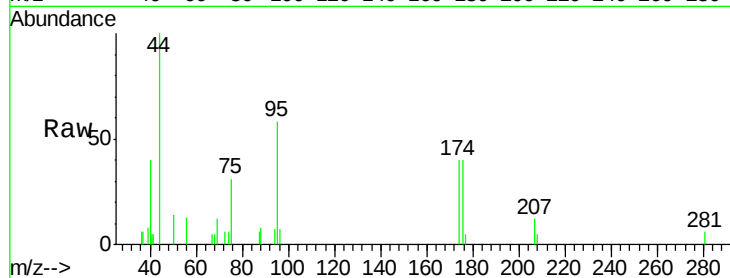
Tot Ion: 95 Resp: 2404

Ion Ratio Lower Upper

95 100

174 68.5 0.0 157.8

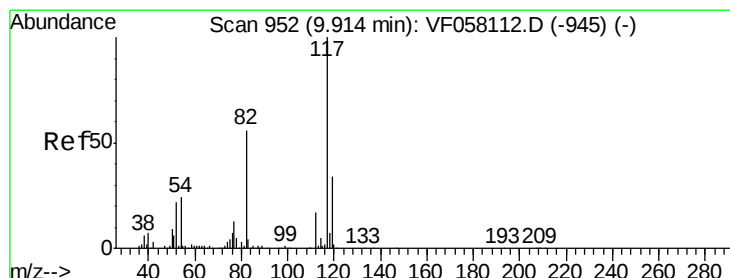
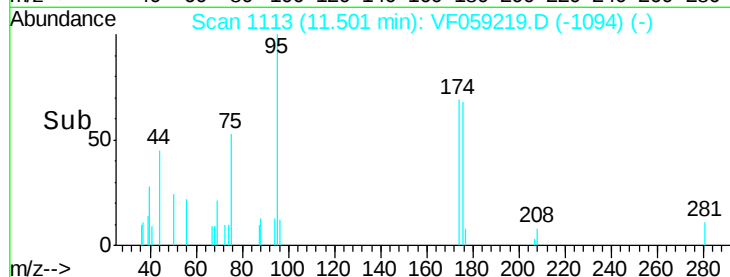
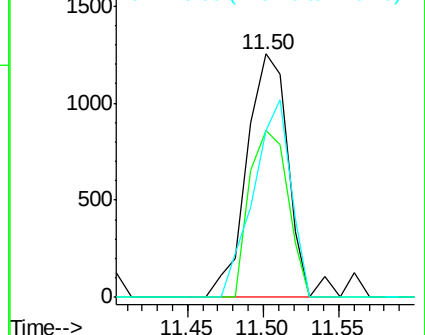
176 68.4 0.0 155.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

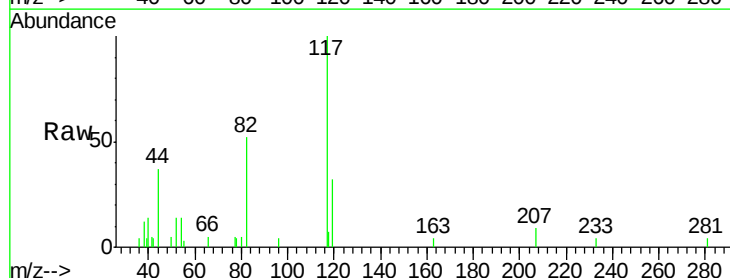
Tgt Ion: 117 Resp: 6386

Ion Ratio Lower Upper

117 100

82 52.4 45.2 67.8

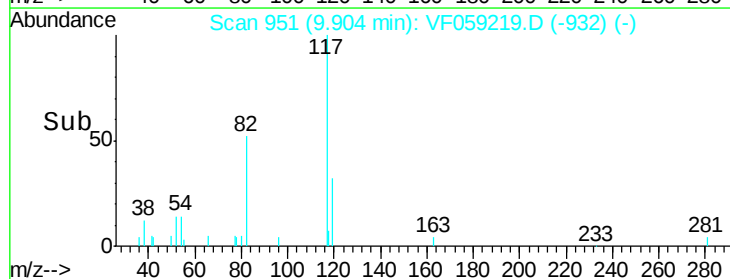
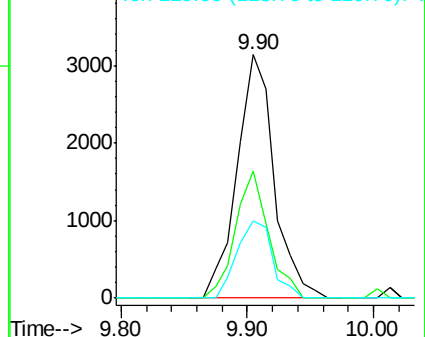
119 31.7 27.5 41.3

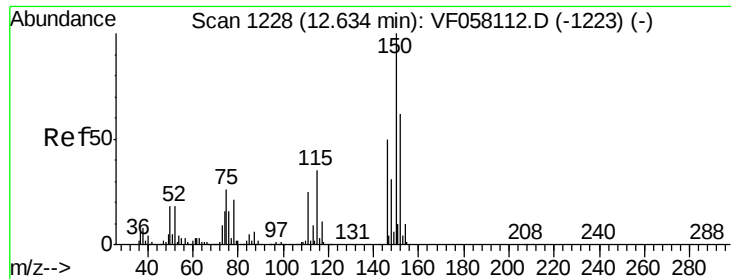


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



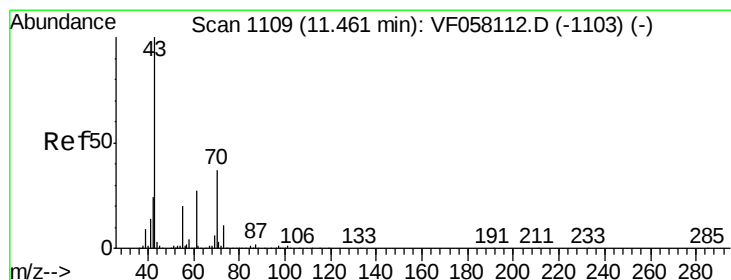
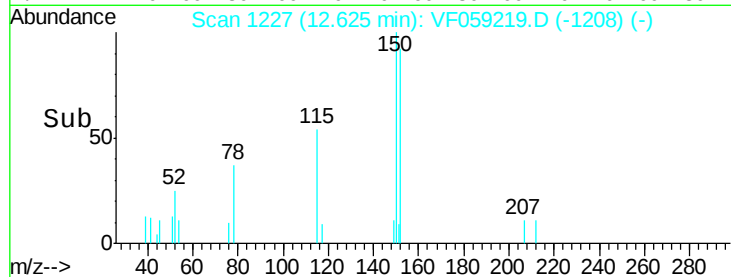
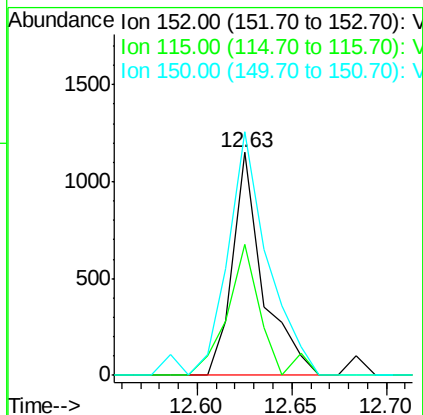
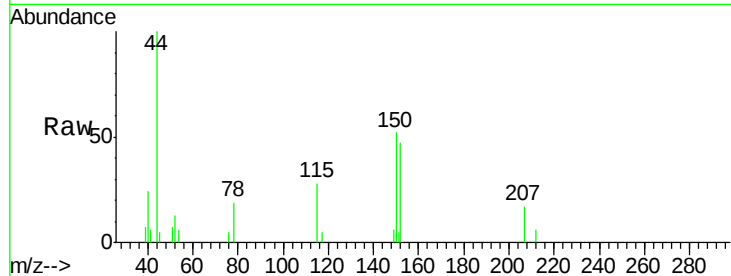


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059219.D
Acq: 20 Jun 2018 7:13

Instrument :
MSVOA_F
ClientSampleId :

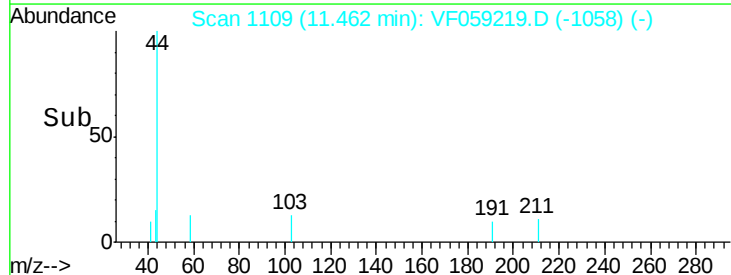
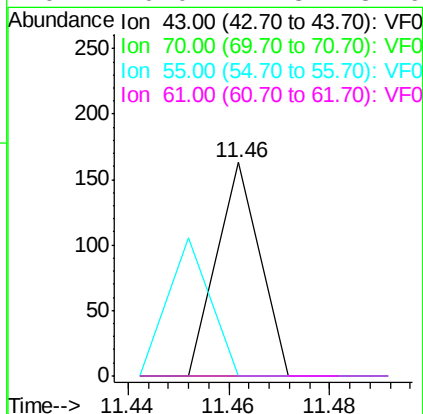
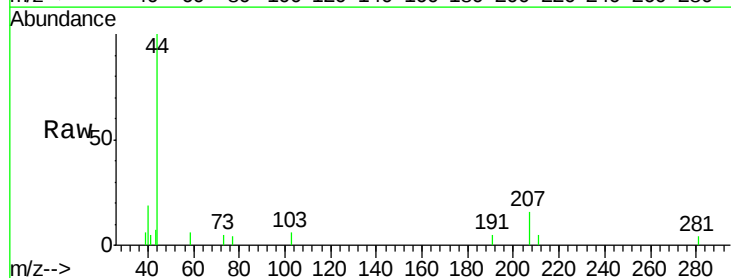
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.5	85.5
150	109.2	0.0	323.8

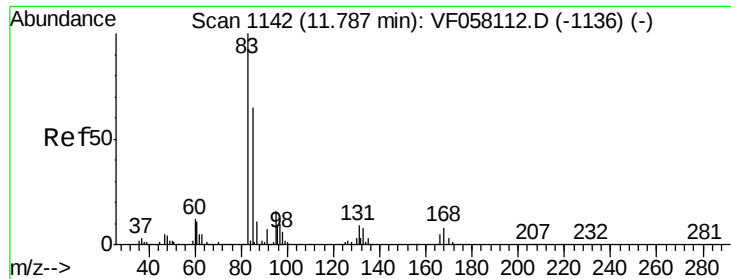


#74

N-ethyl acetate
Concen: 3.040 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF059219.D
Acq: 20 Jun 2018 7:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.2	43.8#
55	0.0	15.8	23.6#
61	0.0	21.3	31.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 3.817 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.04 min

Lab File: VF059219.D

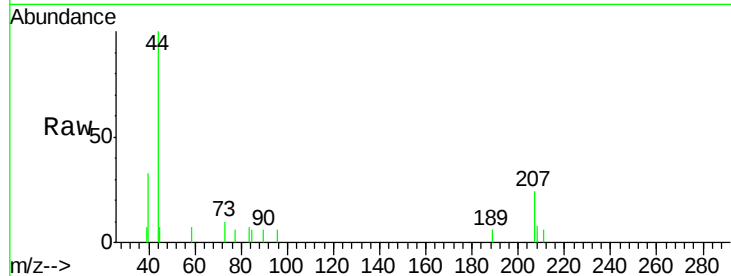
Acq: 20 Jun 2018 7:13

Instrument :

MSVOA_F

ClientSampleId :

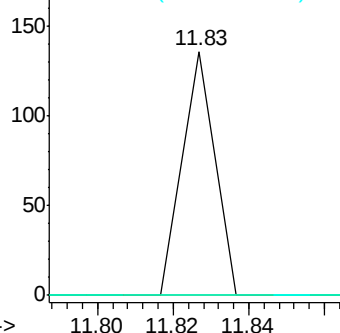
Tot Ion	83	Resp	80
Ion Ratio	100		
Lower			
Upper			
83	100		
131	0.0	4.5	13.7#
85	0.0	32.8	98.3#



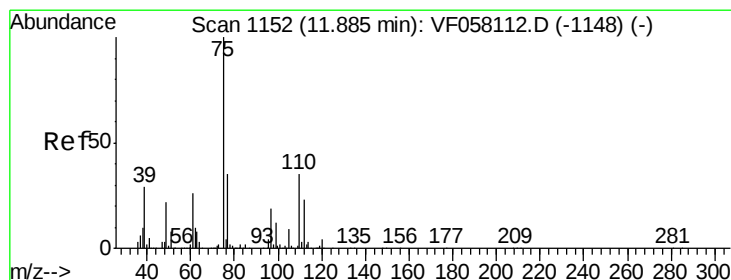
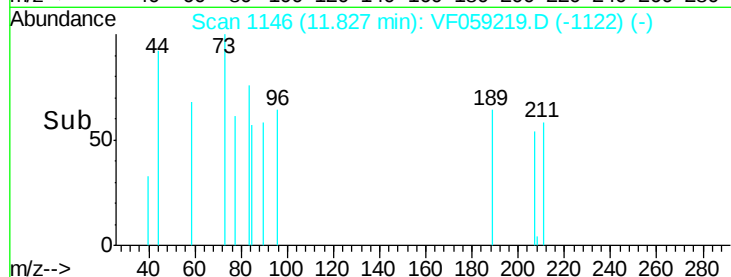
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



Time-->



#76

1,2,3-Trichloropropane

Concen: 4.134 ug/l

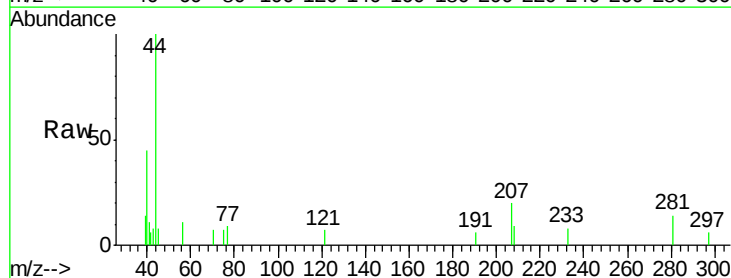
RT: 11.75 min Scan# 1138

Delta R.T. -0.14 min

Lab File: VF059219.D

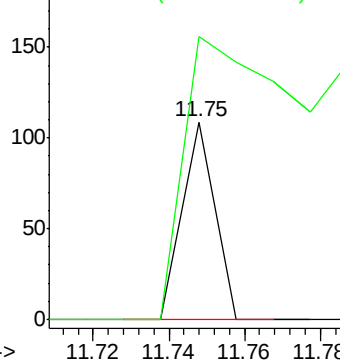
Acq: 20 Jun 2018 7:13

Tgt Ion	75	Resp	64
Ion Ratio	100		
Lower			
Upper			
75	100		
77	143.1	17.5	52.5#

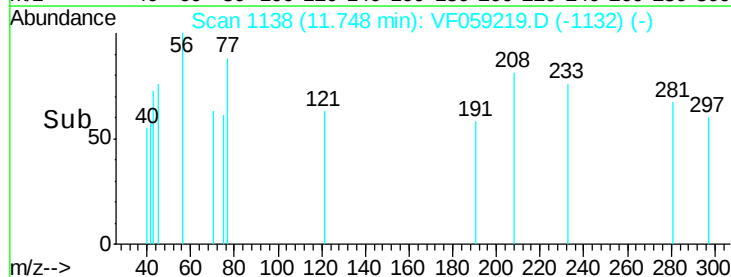


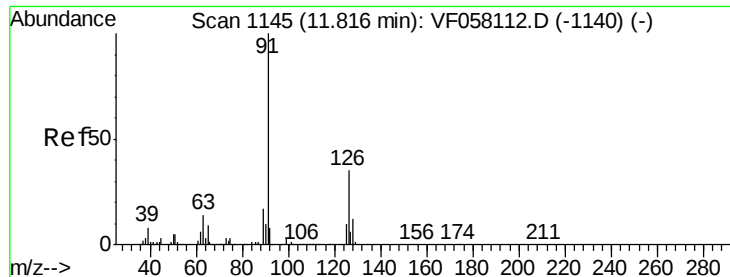
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->





#79

2-Chlorotoluene

Concen: 1.456 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.13 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

Instrument :

MSVOA_F

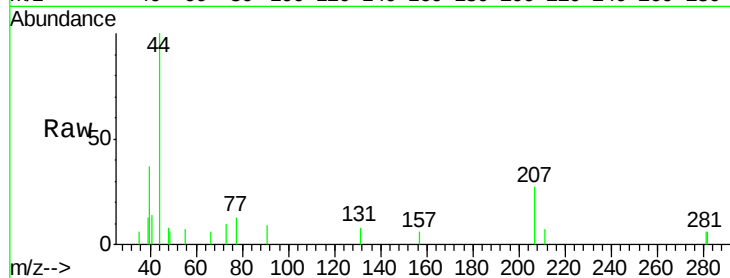
ClientSampleId :

Tot Ion: 91 Resp: 90

Ion Ratio Lower Upper

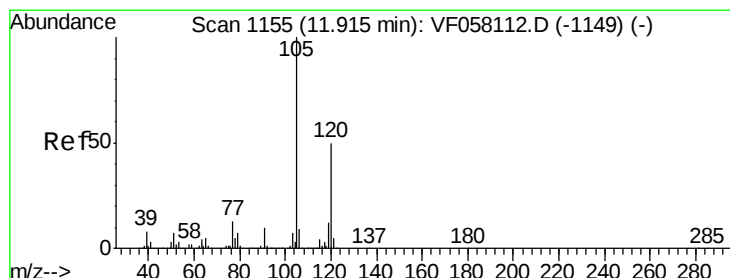
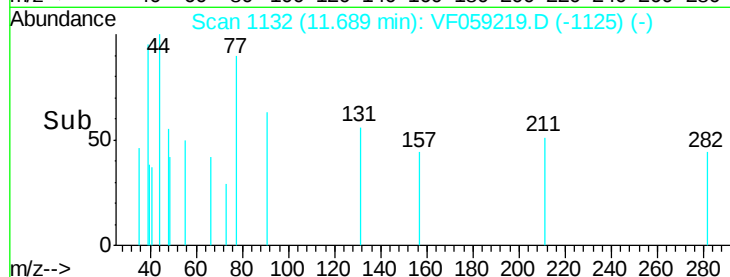
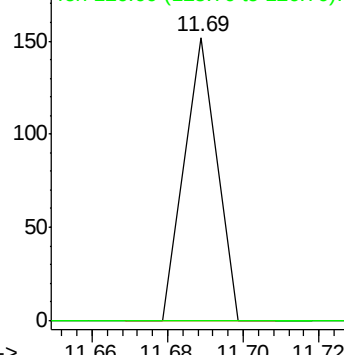
91 100

126 0.0 17.6 52.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.093 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.05 min

Lab File: VF059219.D

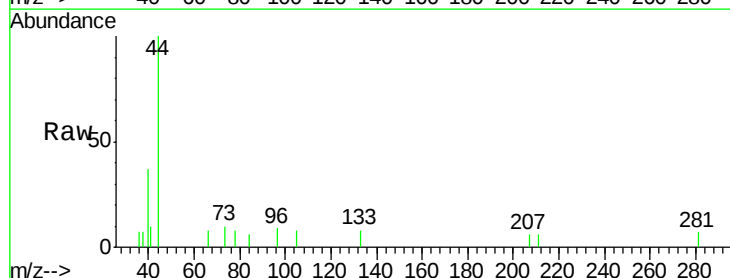
Acq: 20 Jun 2018 7:13

Tgt Ion: 105 Resp: 80

Ion Ratio Lower Upper

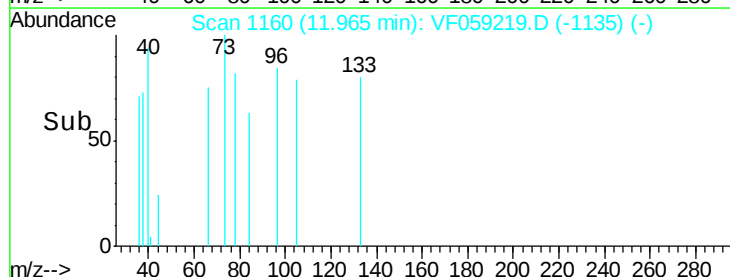
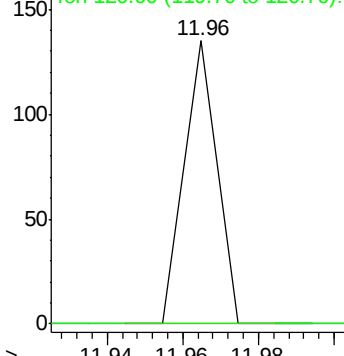
105 100

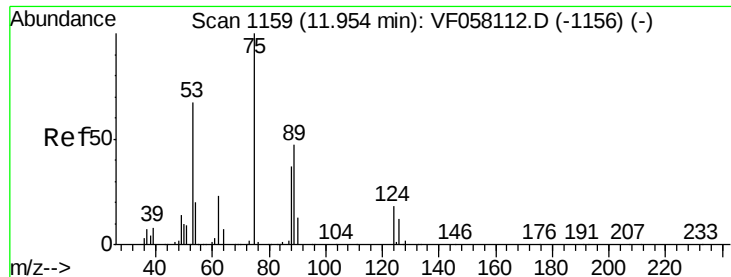
120 0.0 24.9 74.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

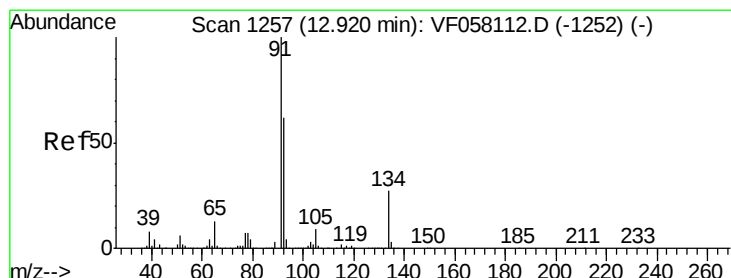
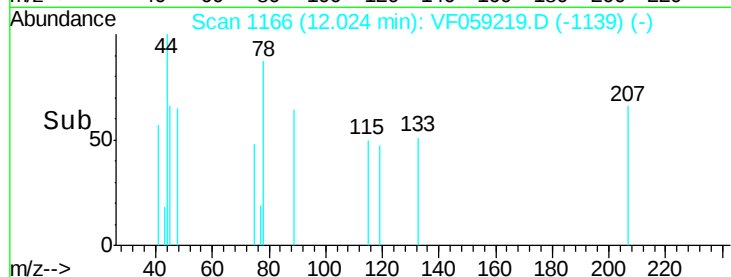
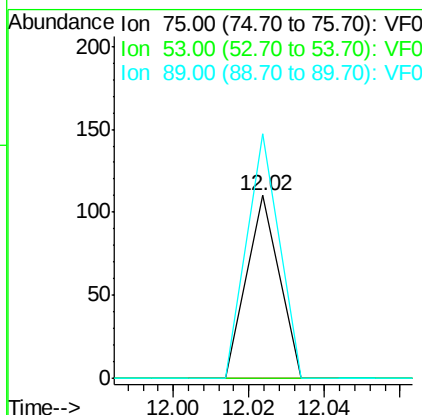
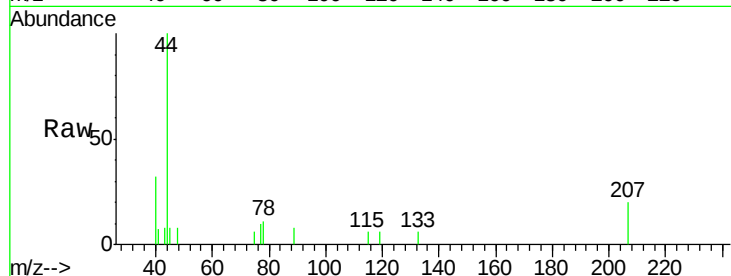




#81
trans-1,4-Dichloro-2-butene
Concen: 6.476 ug/l
RT: 12.02 min Scan# 1166
Delta R.T. 0.07 min
Lab File: VF059219.D
Acq: 20 Jun 2018 7:13

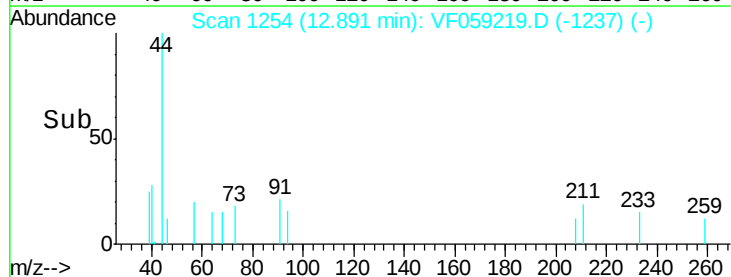
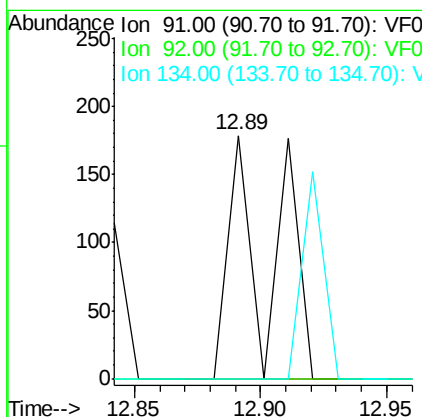
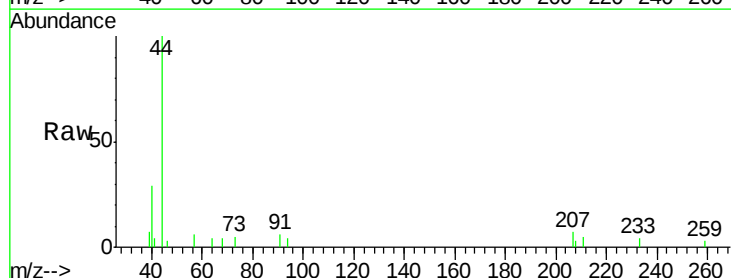
Instrument :
MSVOA_F
ClientSampleId :

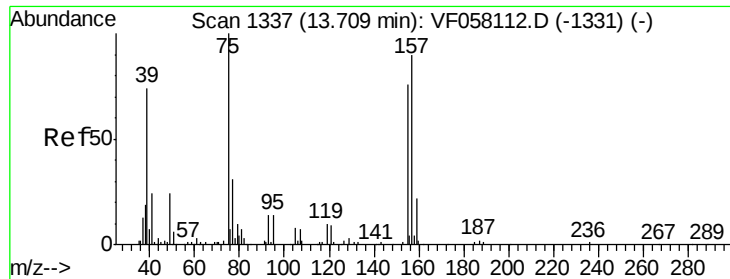
Tot Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
53 0.0 58.7 88.1#
89 133.6 39.8 59.6#



#89
n-Butylbenzene
Concen: 1.375 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.03 min
Lab File: VF059219.D
Acq: 20 Jun 2018 7:13

Tgt Ion: 91 Resp: 211
Ion Ratio Lower Upper
91 100
92 0.0 31.1 93.5#
134 0.0 13.6 40.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 14.350 ug/l

RT: 13.64 min Scan# 1330

Delta R.T. -0.07 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

Instrument :

MSVOA_F

ClientSampleId :

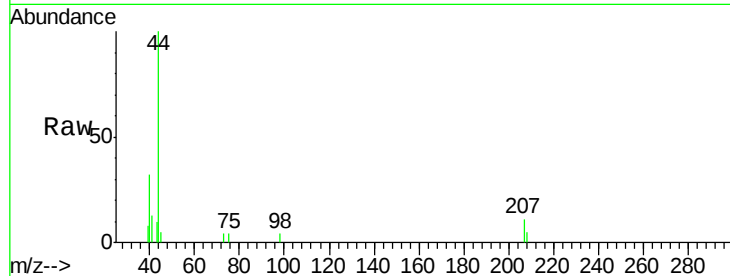
Tot Ion: 75 Resp: 59

Ion Ratio Lower Upper

75 100

155 0.0 38.0 114.0#

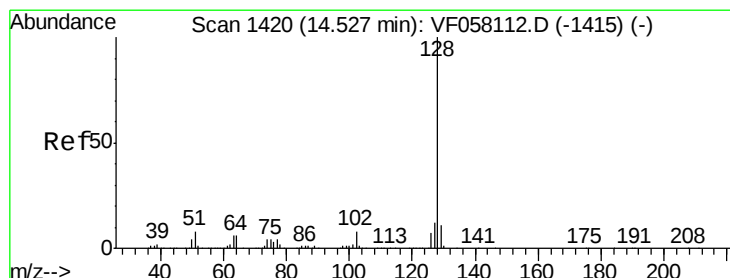
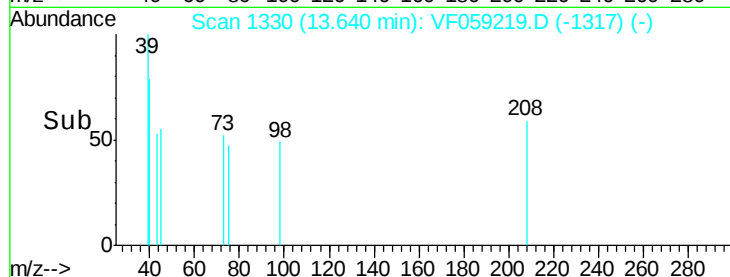
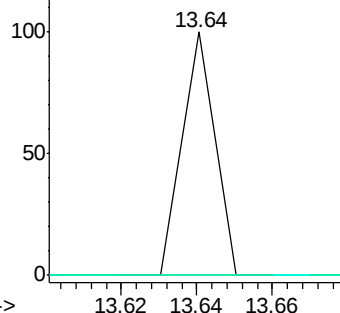
157 0.0 45.1 135.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#95

Naphthalene

Concen: 2.216 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.04 min

Lab File: VF059219.D

Acq: 20 Jun 2018 7:13

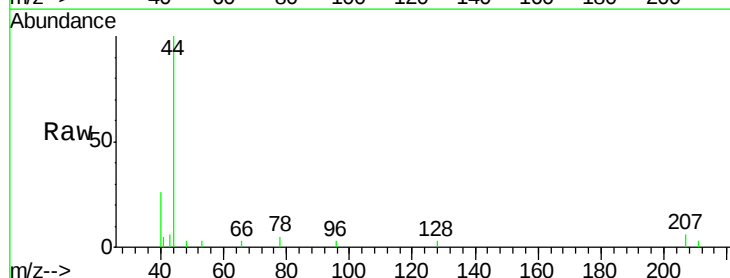
Tgt Ion: 128 Resp: 131

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

