

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059222.D
 Acq On : 20 Jun 2018 8:36
 Operator : VA/AP
 Sample : J3575-21
 Misc : 10.60g/5mL/MSVOA-F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-13

Quant Time: Jun 20 08:53:07 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	5.04	168	101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	82	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	81	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.63

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.71	98	147	86.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.94%	
62) 4-Bromofluorobenzene	11.48	95	63	72.67	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	145.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	72	62.98	ug/l #	42
3) Chloromethane	1.13	50	70	79.05	ug/l #	41
4) Vinyl Chloride	1.11	62	75	93.88	ug/l #	43
5) Bromomethane	1.38	94	65	139.64	ug/l #	1
7) Trichlorofluoromethane	1.38	101	79	63.62	ug/l #	17
11) Tert butyl alcohol	2.67	59	76	968.34	ug/l #	71
12) 1,1-Dichloroethene	1.74	96	221	332.08	ug/l #	1
14) Allyl chloride	2.18	41	81	62.01	ug/l #	60
15) Acrylonitrile	3.22	53	77	493.98	ug/l #	13
16) Acetone	2.35	43	248	847.97	ug/l #	59
18) Methyl Acetate	2.44	43	236	469.40	ug/l #	66
19) Methyl tert-butyl Ether	2.49	73	69	33.40	ug/l #	58
20) Methylene Chloride	2.34	84	67	95.68	ug/l #	1
21) trans-1,2-Dichloroethene	2.49	96	60	82.21	ug/l #	1
22) Diisopropyl ether	2.94	45	63	24.54	ug/l #	38
23) Vinyl Acetate	3.33	43	72	42.53	ug/l #	78
25) 2-Butanone	4.53	43	157	346.26	ug/l #	56
26) 2,2-Dichloropropane	3.73	77	81	71.72	ug/l #	65
28) Bromochloromethane	3.87	49	90	128.45	ug/l #	2
29) Tetrahydrofuran	4.24	42	77	385.41	ug/l #	36
31) Cyclohexane	3.87	56	66	48.53	ug/l #	15
32) 1,1,1-Trichloroethane	4.32	97	66	39.70	ug/l #	20
36) 1,1-Dichloropropene	4.44	75	89	111.98	ug/l #	42
37) Ethyl Acetate	4.32	43	60	122.17	ug/l #	17
38) Carbon Tetrachloride	4.28	117	63	73.14	ug/l #	13
40) Benzene	4.85	78	72	39.03	ug/l #	50
41) Methacrylonitrile	4.92	41	150	621.69	ug/l #	24
42) 1,2-Dichloroethane	5.15	62	66	79.77	ug/l	82
43) Isopropyl Acetate	7.14	43	176	267.59	ug/l #	44
48) Methyl methacrylate	6.84	41	218	537.66	ug/l #	48
51) 4-Methyl-2-Pentanone	8.40	43	168	372.67	ug/l #	38
53) t-1,3-Dichloropropene	8.32	75	61	69.18	ug/l #	43
56) Ethyl methacrylate	8.80	69	74	121.92	ug/l #	20
57) 1,3-Dichloropropane	8.92	76	128	155.40	ug/l #	42

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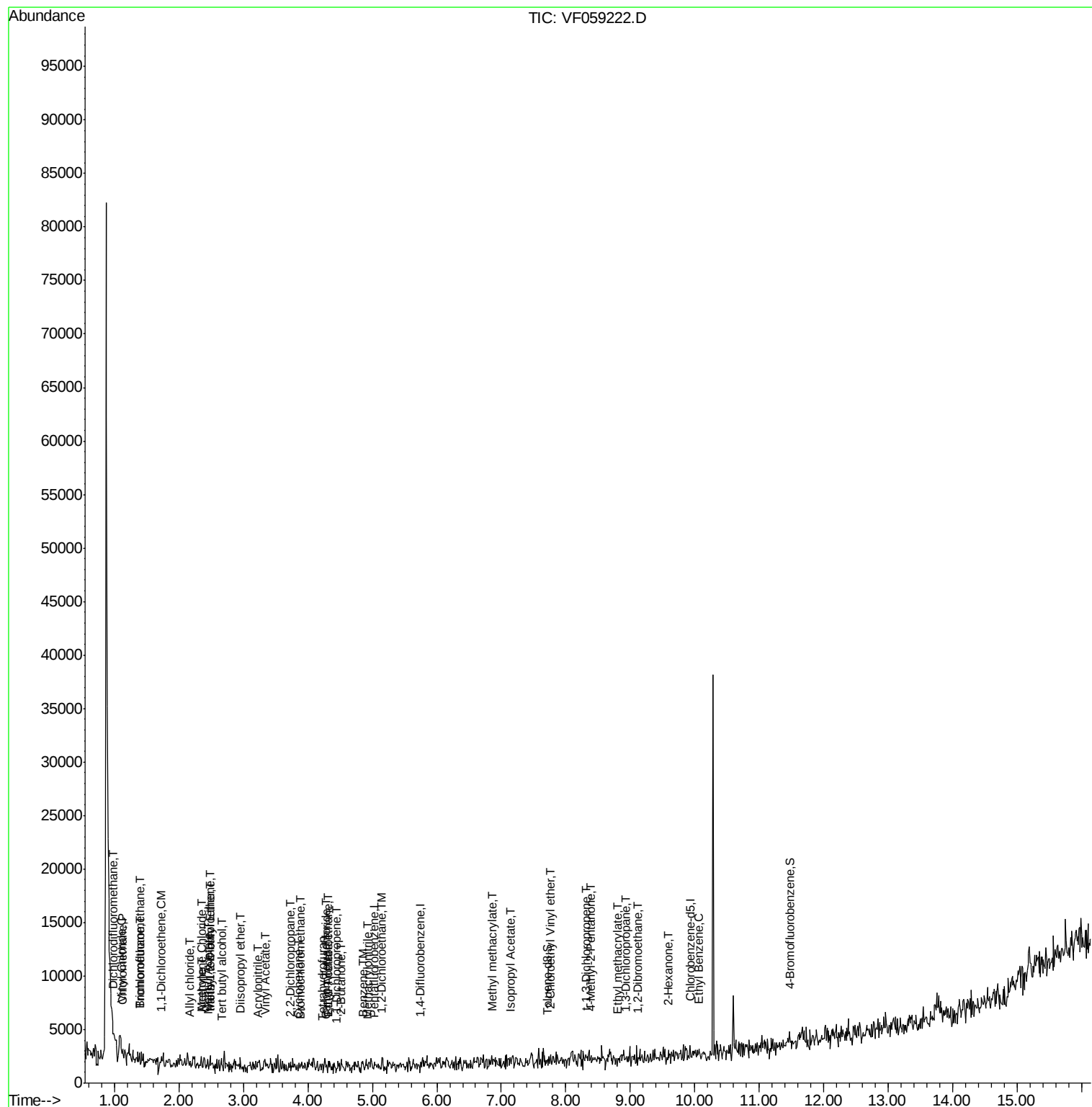
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 2-Chloroethyl Vinyl ether	7.76	63	59	1359.45	ug/l	100
59) 2-Hexanone	9.60	43	170	476.75	ug/l #	26
61) 1,2-Dibromoethane	9.13	107	64	114.39	ug/l #	2
67) Ethyl Benzene	10.08	91	70	25.12	ug/l #	44

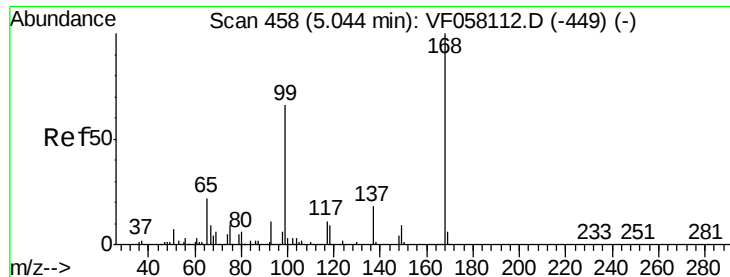
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleId :

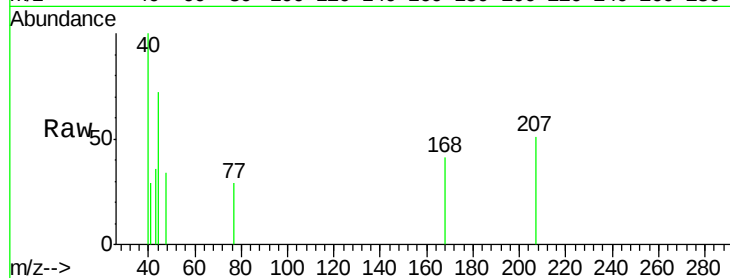
TP-13

Tot Ion:168 Resp: 101

Ion Ratio Lower Upper

168 100

99 0.0 52.9 79.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

150

100

50

0

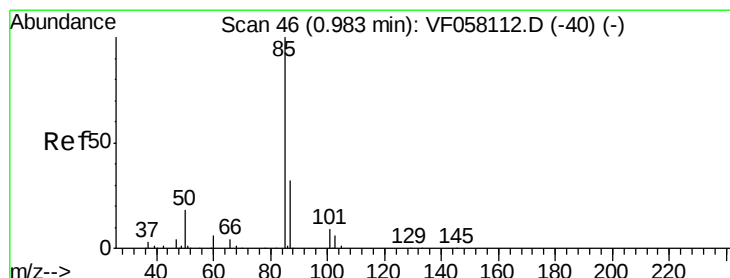
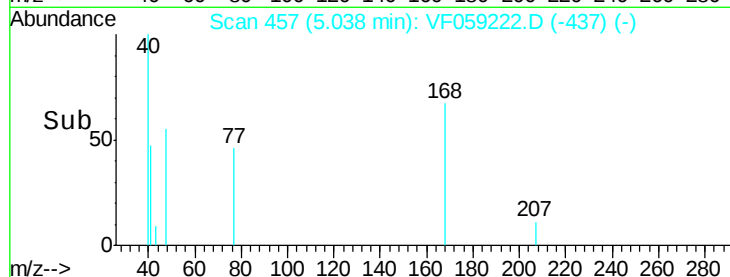
Time-->

5.00

5.02

5.04

5.06



#2

Dichlorodifluoromethane

Concen: 62.98 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059222.D

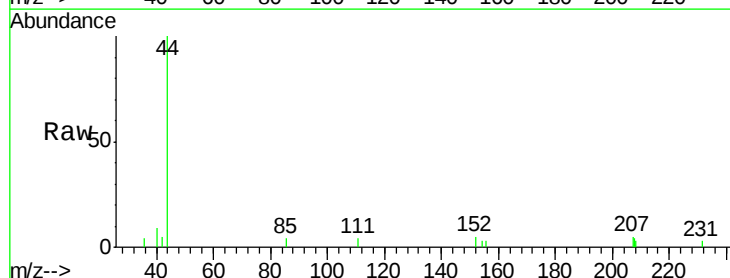
Acq: 20 Jun 2018 8:36

Tgt Ion: 85 Resp: 72

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

100

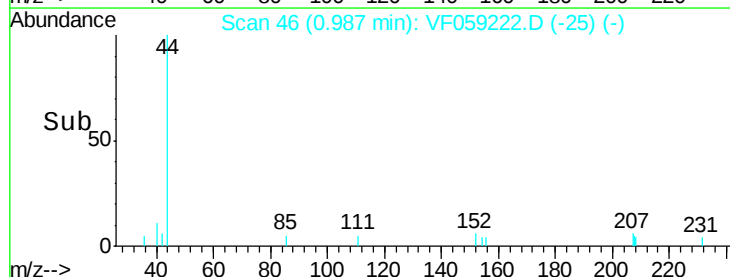
50

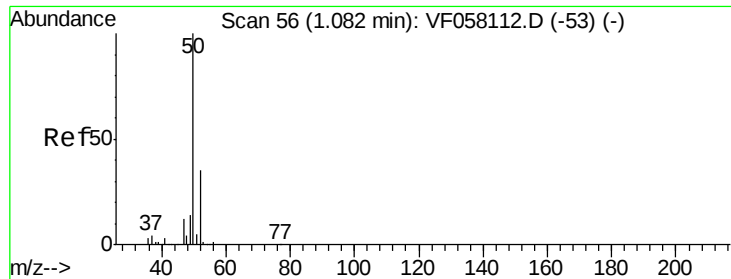
0

Time-->

0.98

1.00





#3

Chloromethane

Concen: 79.05 ug/l

RT: 1.13 min Scan# 61

Delta R.T. 0.05 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampled :

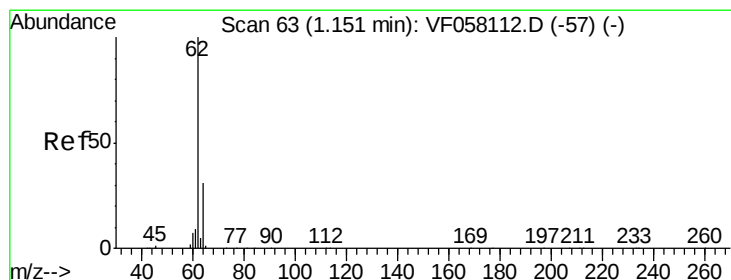
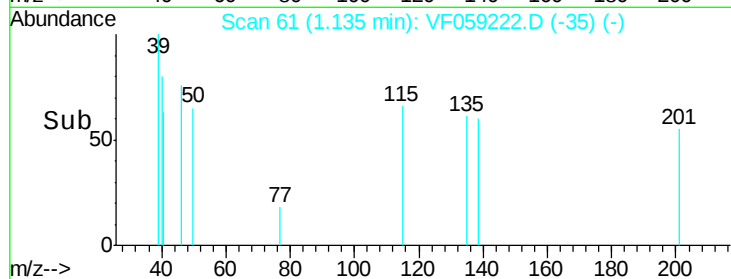
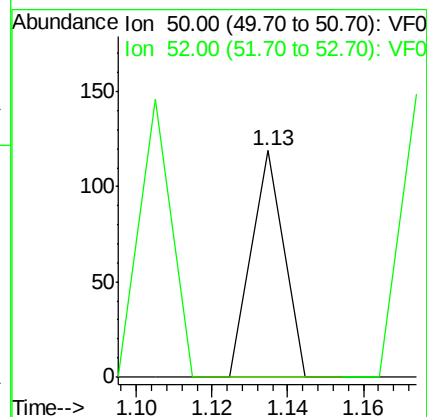
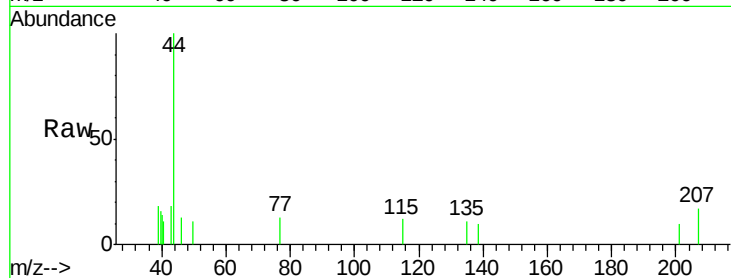
TP-13

Tot Ion: 50 Resp: 70

Ion Ratio Lower Upper

50 100

52 0.0 27.3 40.9#



#4

Vinyl Chloride

Concen: 93.88 ug/l

RT: 1.11 min Scan# 59

Delta R.T. -0.04 min

Lab File: VF059222.D

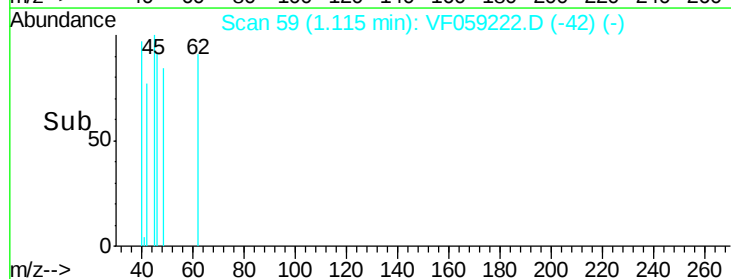
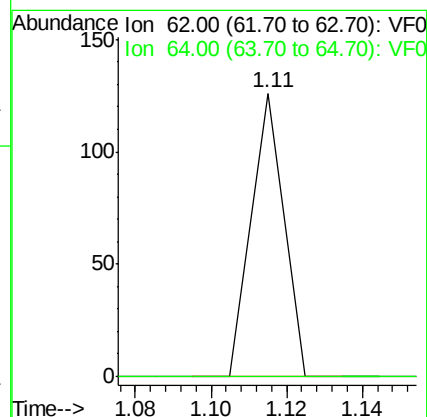
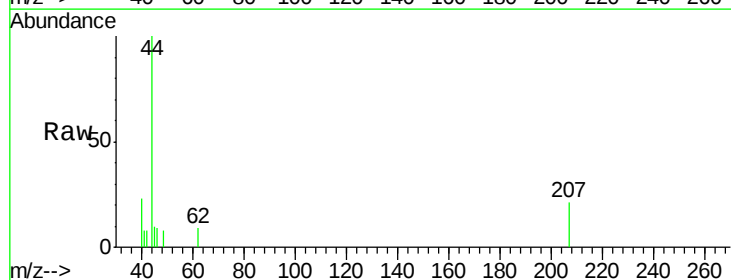
Acq: 20 Jun 2018 8:36

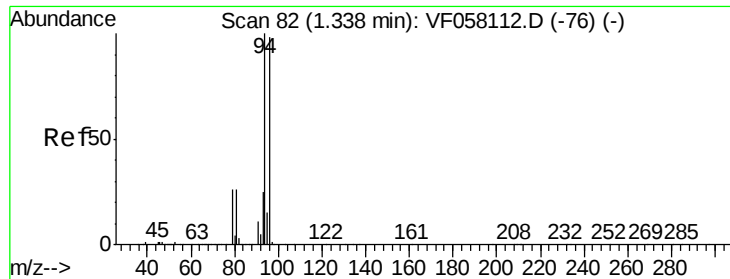
Tgt Ion: 62 Resp: 75

Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#





#5

Bromomethane

Concen: 139.64 ug/l

RT: 1.38 min Scan# 86

Delta R.T. 0.04 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampled :

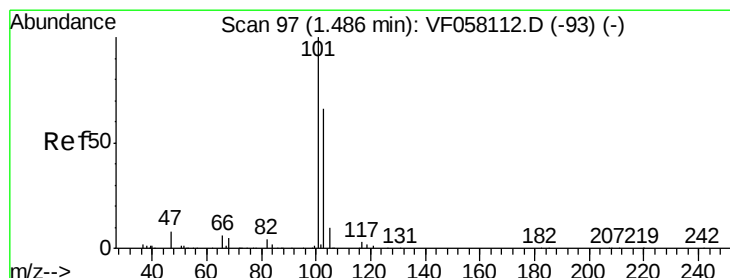
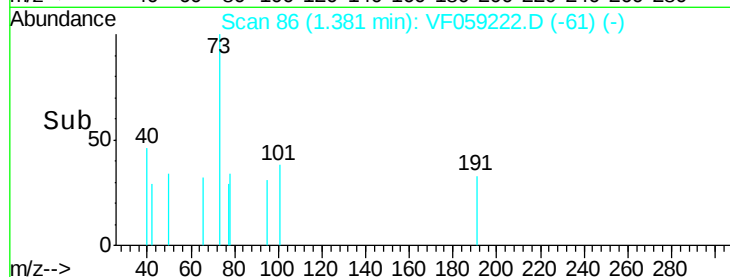
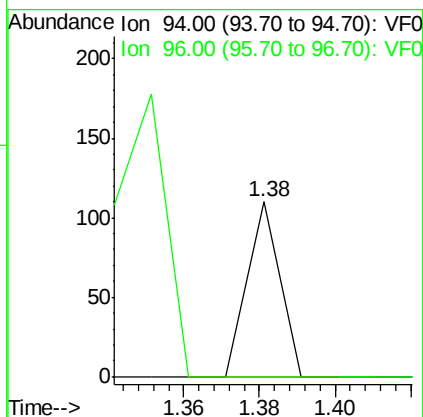
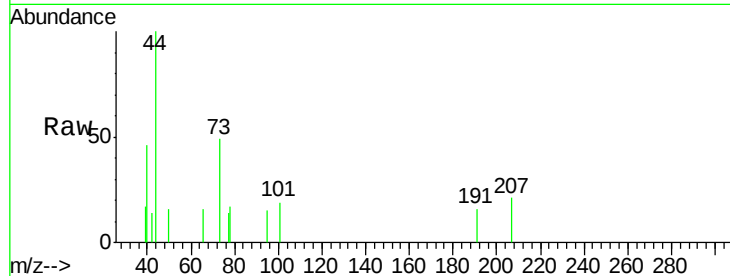
TP-13

Tot Ion: 94 Resp: 65

Ion Ratio Lower Upper

94 100

96 0.0 78.6 117.8#



#7

Trichlorofluoromethane

Concen: 63.62 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.10 min

Lab File: VF059222.D

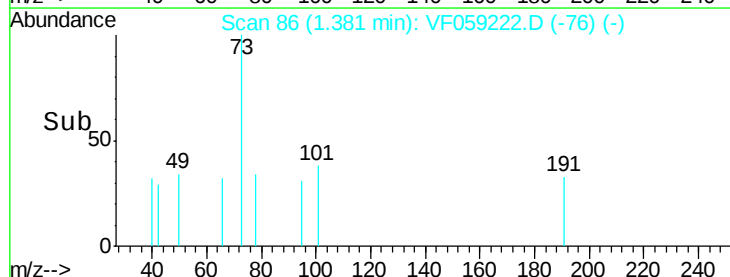
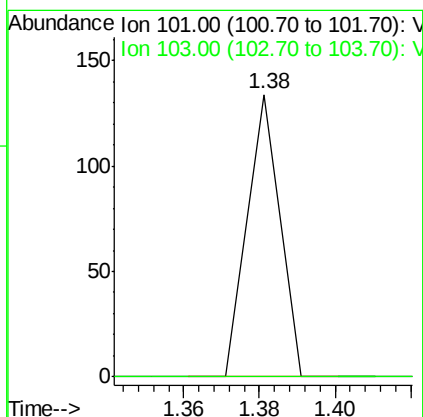
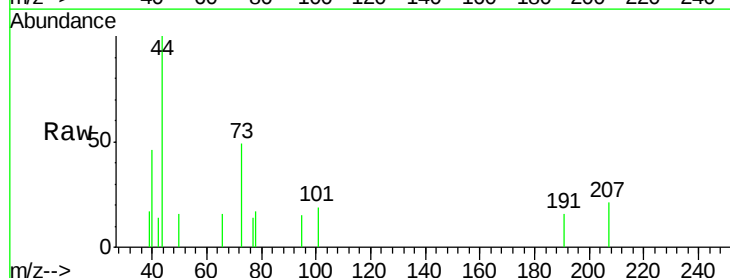
Acq: 20 Jun 2018 8:36

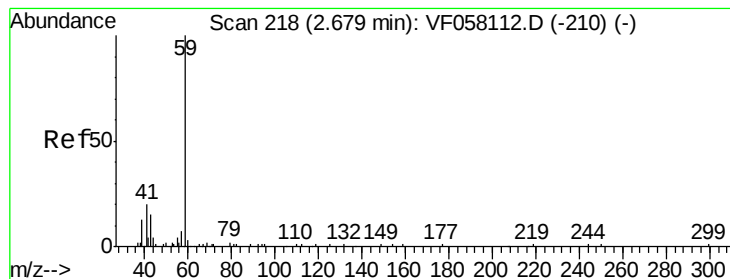
Tgt Ion: 101 Resp: 79

Ion Ratio Lower Upper

101 100

103 0.0 53.4 80.2#



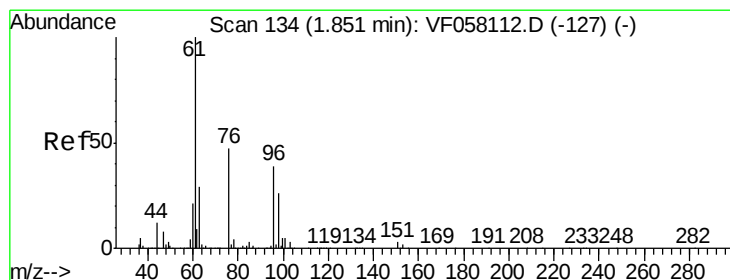
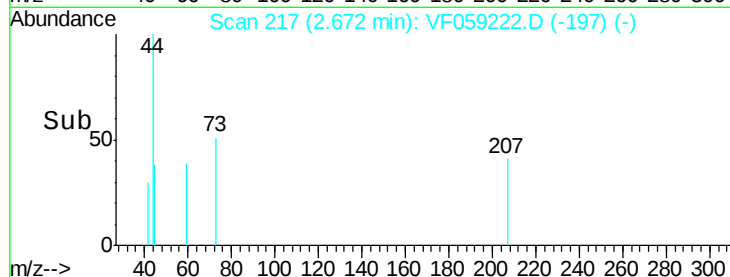
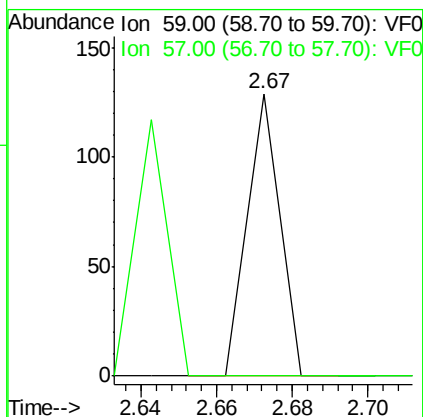
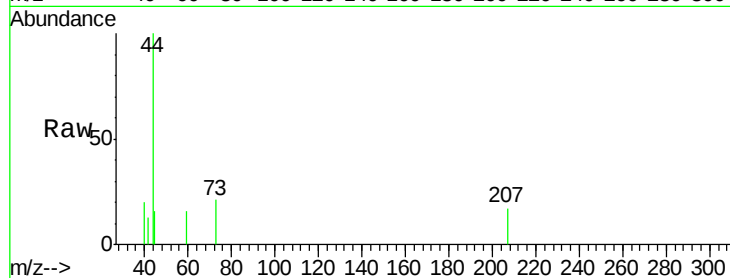


#11

Tert butyl alcohol
Concen: 968.34 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059222.D
Acq: 20 Jun 2018 8:36

Instrument :
MSVOA_F
ClientSampled :
TP-13

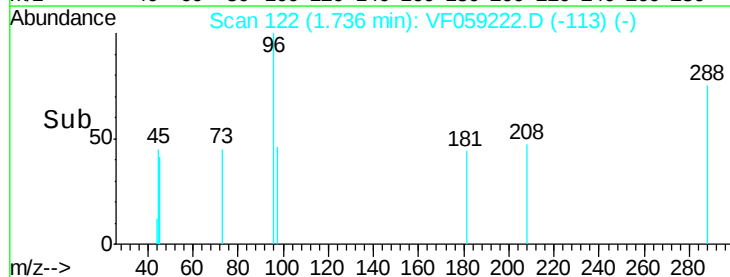
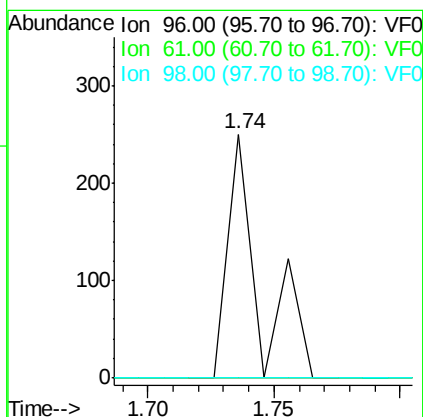
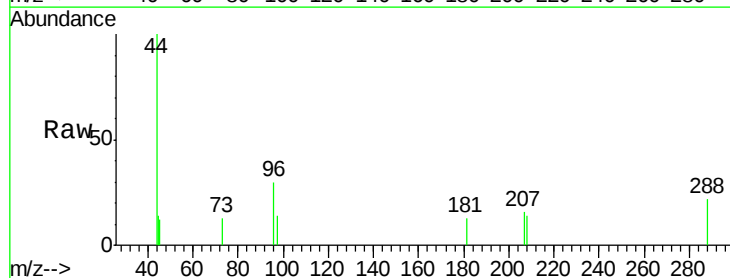
Tot Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

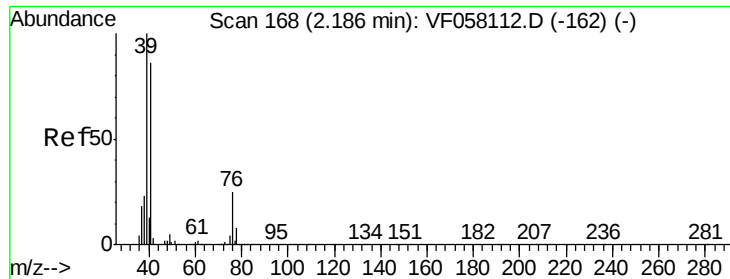


#12

1,1-Dichloroethene
Concen: 332.08 ug/l
RT: 1.74 min Scan# 122
Delta R.T. -0.11 min
Lab File: VF059222.D
Acq: 20 Jun 2018 8:36

Tgt Ion: 96 Resp: 221
Ion Ratio Lower Upper
96 100
61 0.0 203.0 304.4#
98 0.0 52.7 79.1#





#14

Allvl chloride

Concen: 62.01 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleId :

TP-13

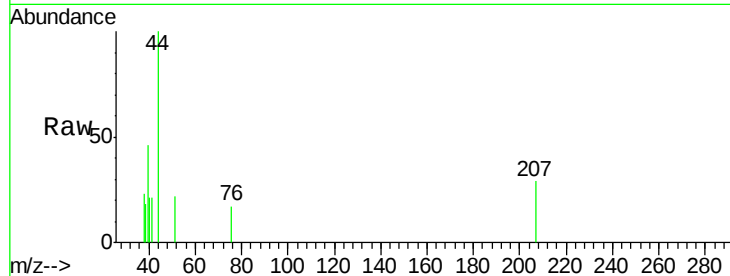
Tot Ion: 41 Resp: 81

Ion Ratio Lower Upper

41 100

39 86.1 93.5 140.3#

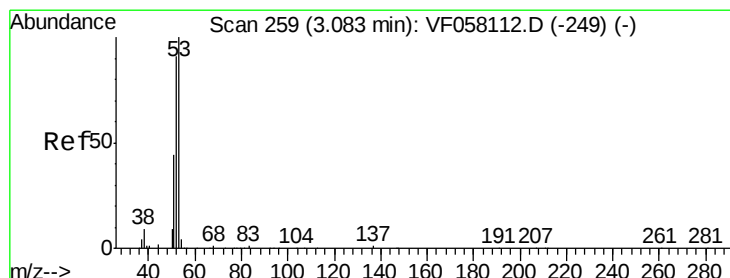
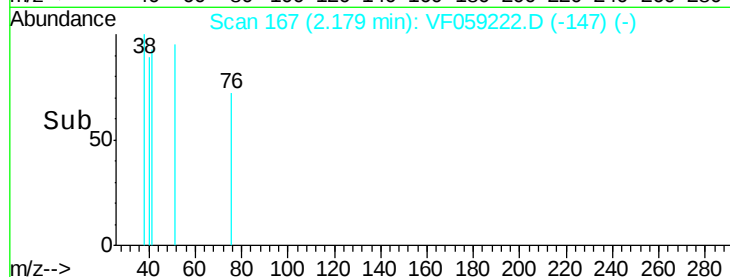
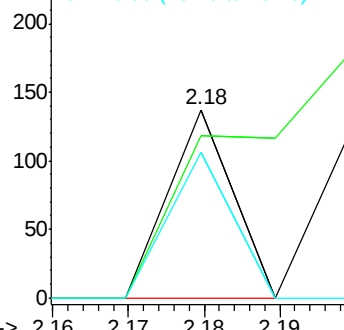
76 77.4 23.9 35.9#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 493.98 ug/l

RT: 3.22 min Scan# 273

Delta R.T. 0.14 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

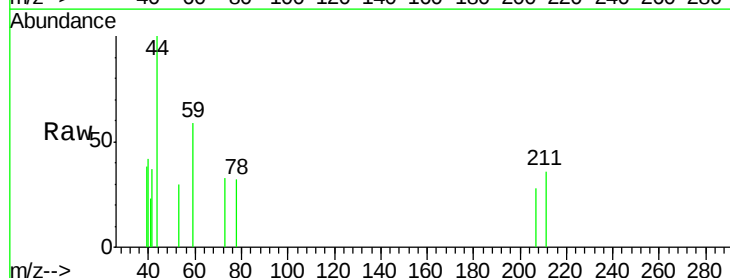
Tgt Ion: 53 Resp: 77

Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

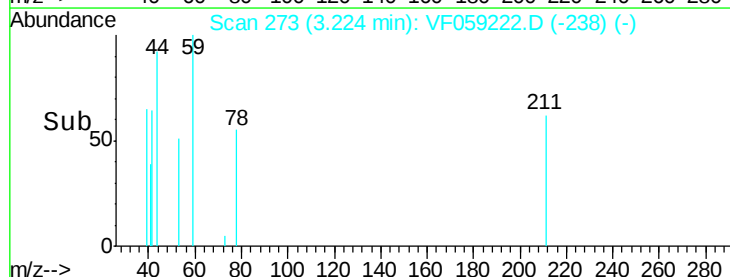
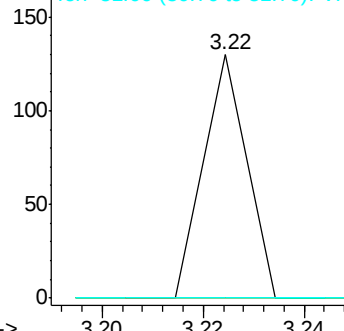
51 0.0 35.6 53.4#

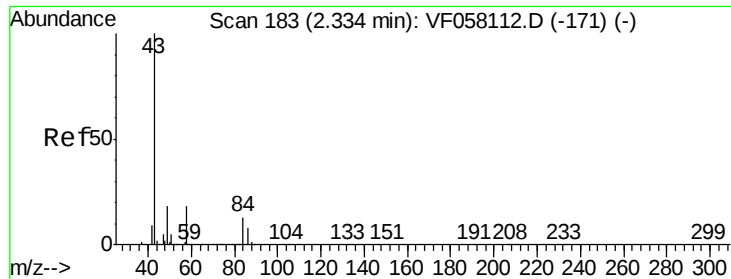


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 847.97 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleId :

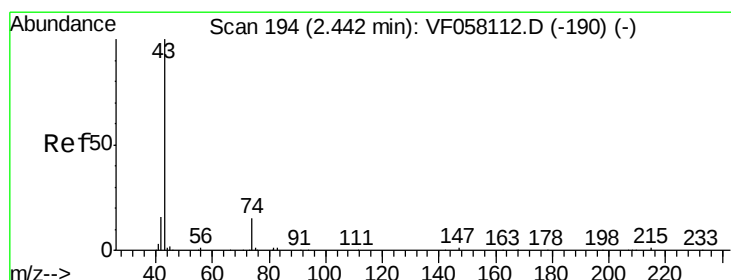
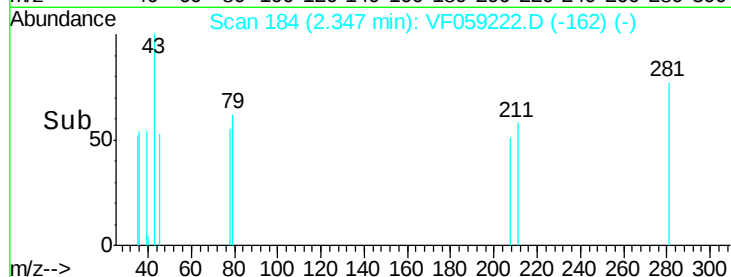
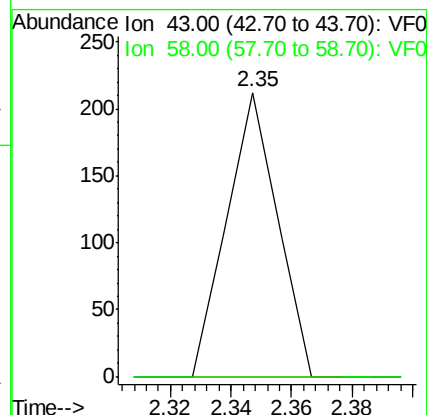
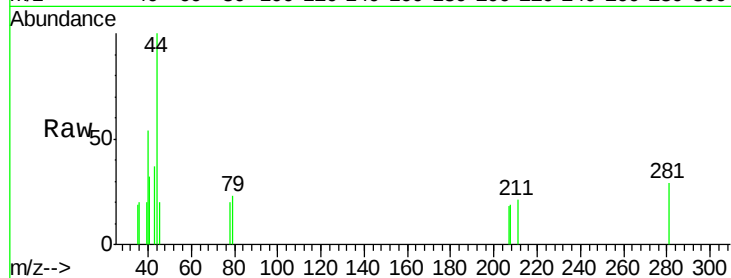
TP-13

Tot Ion: 43 Resp: 248

Ion Ratio Lower Upper

43 100

58 0.0 14.4 21.6#



#18

Methyl Acetate

Concen: 469.40 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059222.D

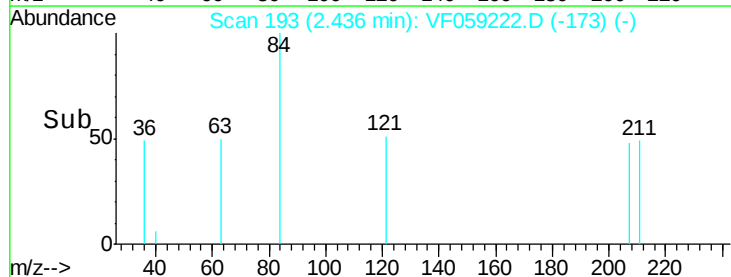
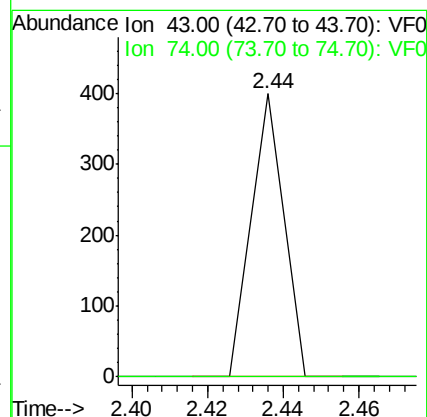
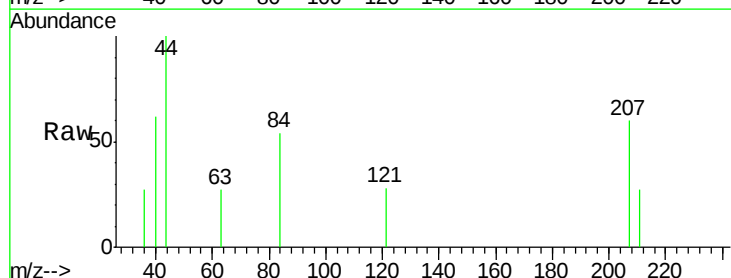
Acq: 20 Jun 2018 8:36

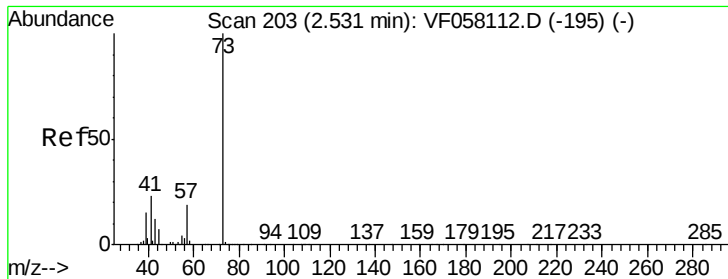
Tgt Ion: 43 Resp: 236

Ion Ratio Lower Upper

43 100

74 0.0 10.9 16.3#





#19

Methyl tert-butyl Ether

Concen: 33.40 ug/l

RT: 2.49 min Scan# 198

Delta R.T. -0.05 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleID :

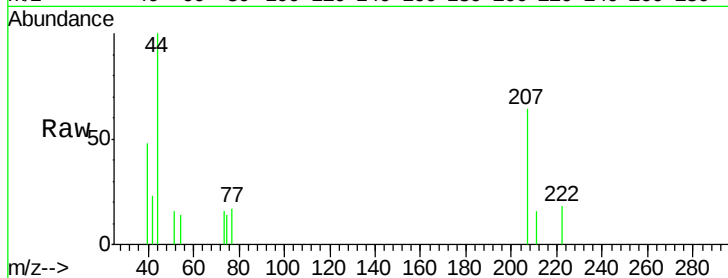
TP-13

Tot Ion: 73 Resp: 69

Ion Ratio Lower Upper

73 100

57 0.0 15.0 22.4#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

150

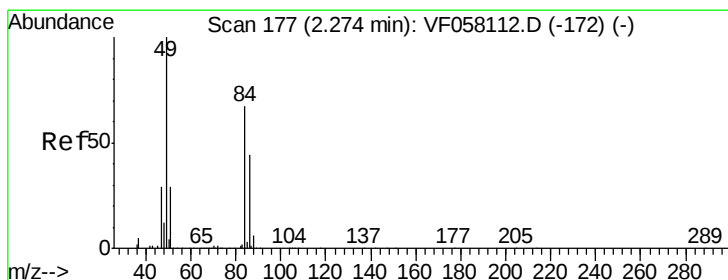
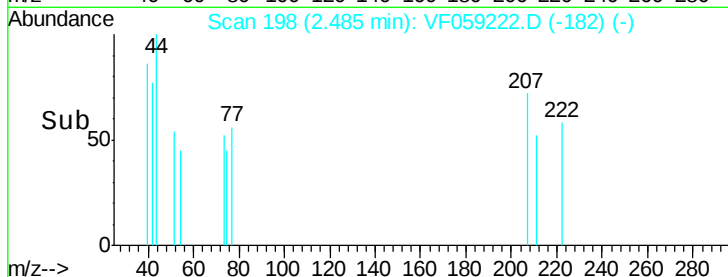
100

50

0

2.48 2.49 2.50

Time-->



#20

Methylene Chloride

Concen: 95.68 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.06 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Tgt Ion: 84 Resp: 67

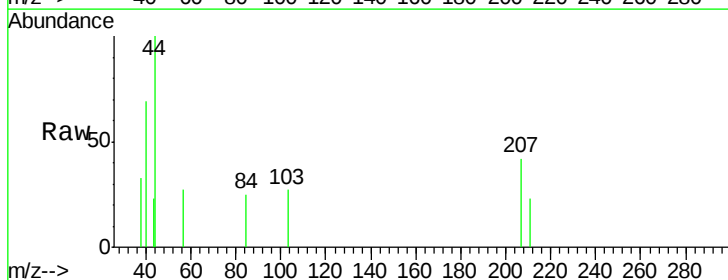
Ion Ratio Lower Upper

84 100

49 0.0 121.0 181.4#

51 0.0 35.8 53.6#

86 0.0 53.2 79.8#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

200

150

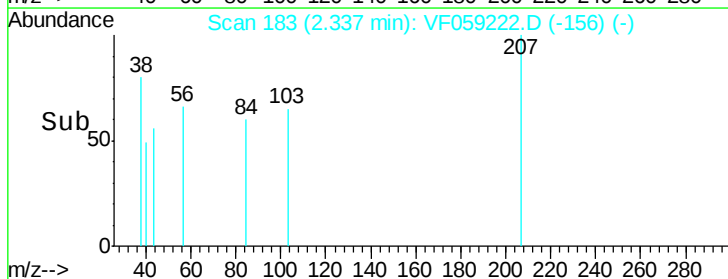
100

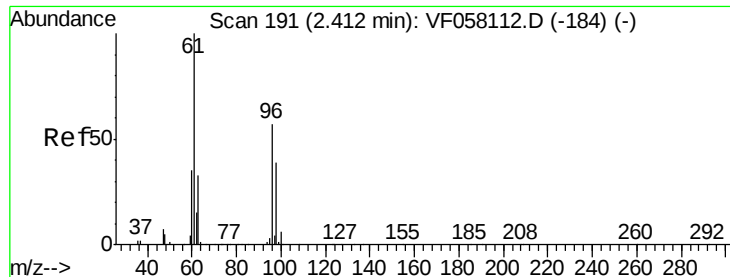
50

0

2.32 2.34 2.36

Time-->





#21

trans-1,2-Dichloroethene

Concen: 82.21 ug/l

RT: 2.49 min Scan# 199

Delta R.T. 0.08 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleId :

TP-13

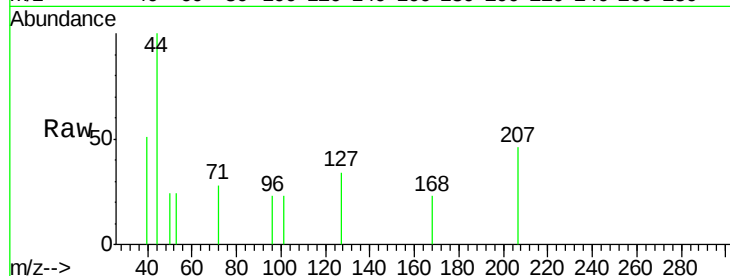
Tot Ion: 96 Resp: 60

Ion Ratio Lower Upper

96 100

61 0.0 139.4 209.2#

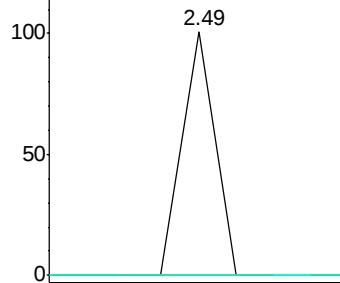
98 0.0 54.0 81.0#



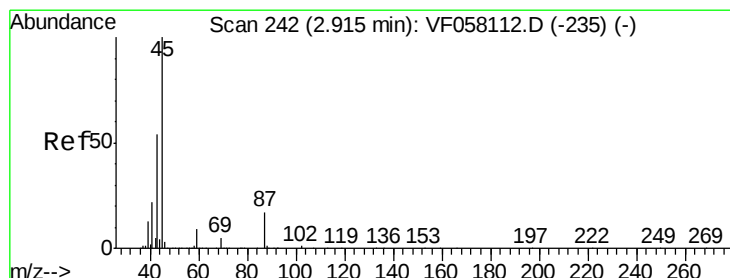
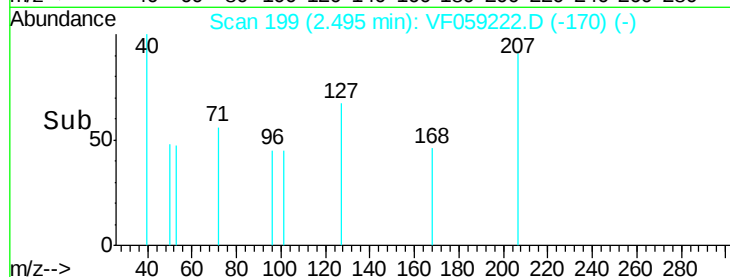
Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#22

Diisopropyl ether

Concen: 24.54 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.02 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Tgt Ion: 45 Resp: 63

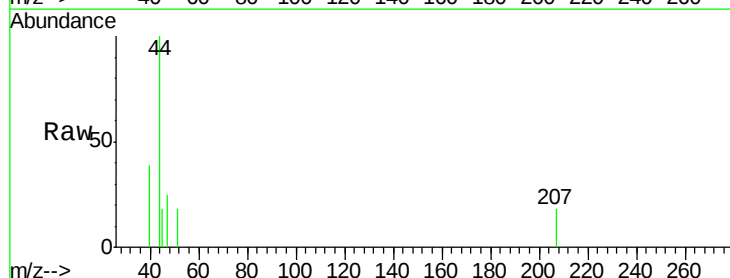
Ion Ratio Lower Upper

45 100

43 0.0 43.2 64.8#

87 0.0 13.8 20.6#

59 0.0 7.5 11.3#

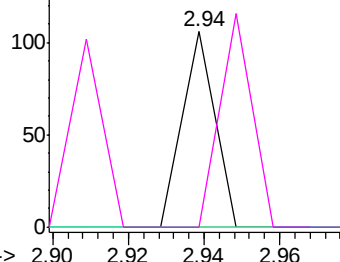


Abundance Ion 45.00 (44.70 to 45.70): VF0

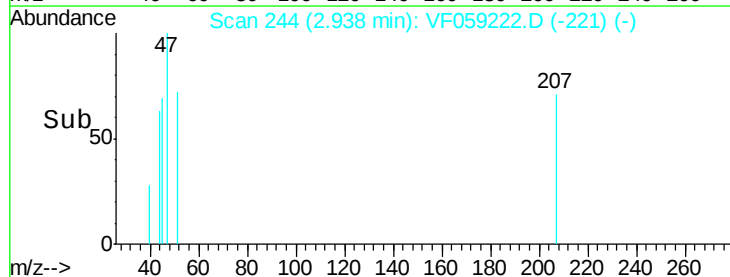
Ion 43.00 (42.70 to 43.70): VF0

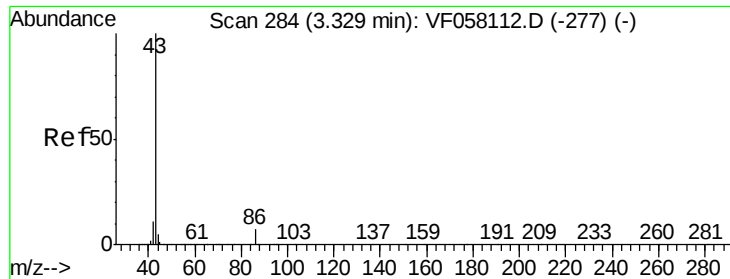
Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



Time-->

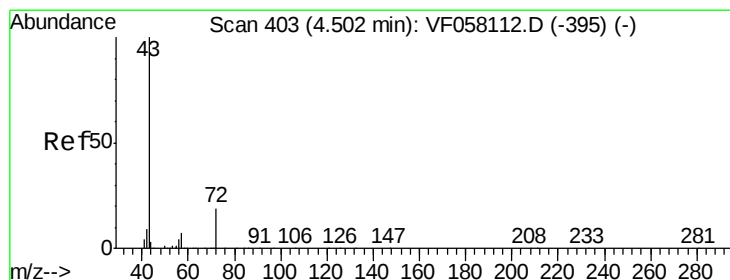
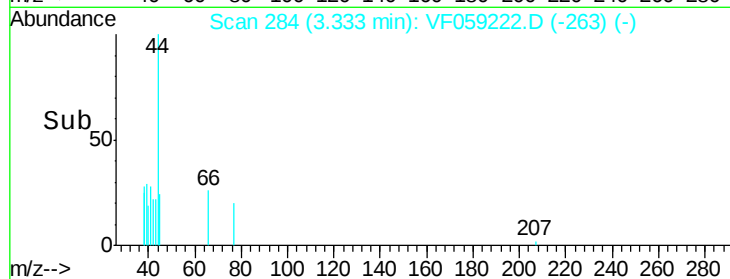
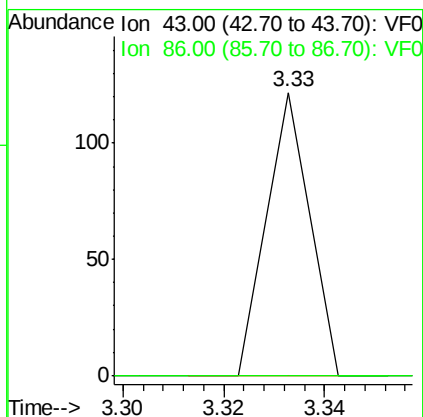
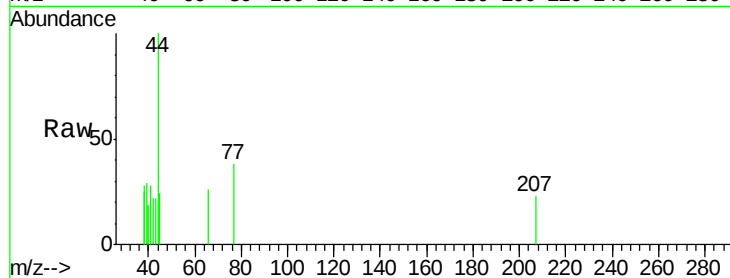




#23
 Vinyl Acetate
 Concen: 42.53 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VF059222.D
 Acq: 20 Jun 2018 8:36

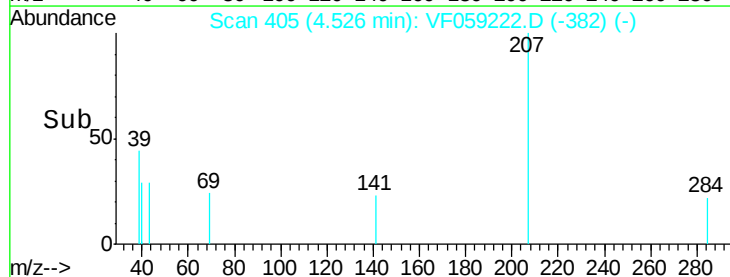
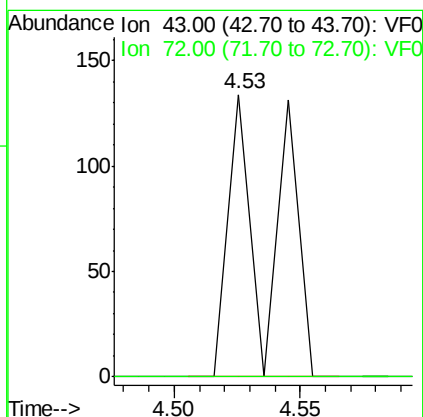
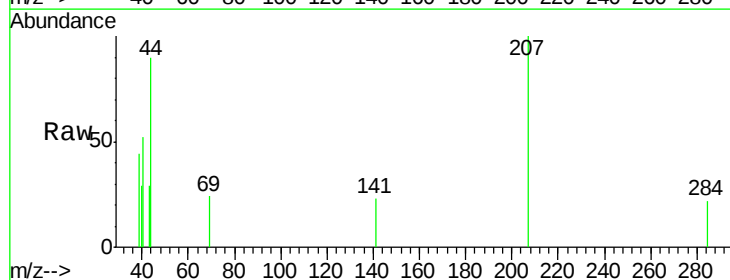
Instrument :
 MSVOA_F
 ClientSampled :
 TP-13

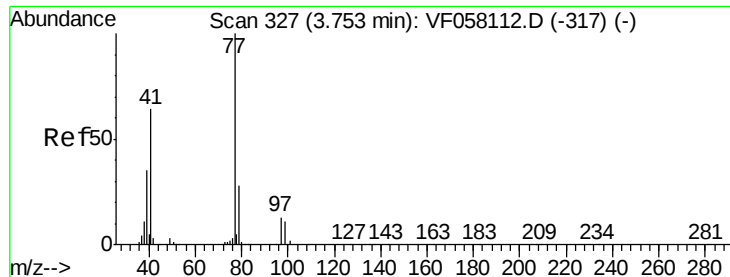
Tot Ion: 43 Resp: 72
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.0 9.0#



#25
 2-Butanone
 Concen: 346.26 ug/l
 RT: 4.53 min Scan# 405
 Delta R.T. 0.02 min
 Lab File: VF059222.D
 Acq: 20 Jun 2018 8:36

Tgt Ion: 43 Resp: 157
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.1 24.1#





#26

2,2-Dichloropropane

Concen: 71.72 ug/l

RT: 3.73 min Scan# 324

Delta R.T. -0.03 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampled :

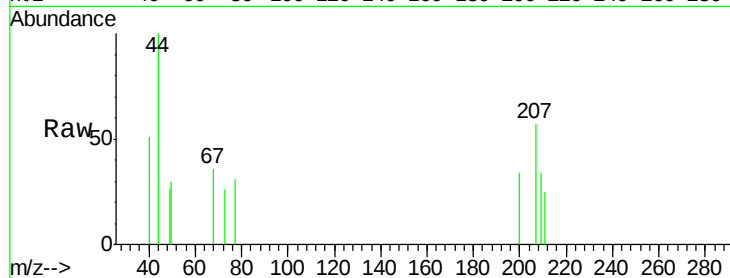
TP-13

Tot Ion: 77 Resp: 81

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

3.73

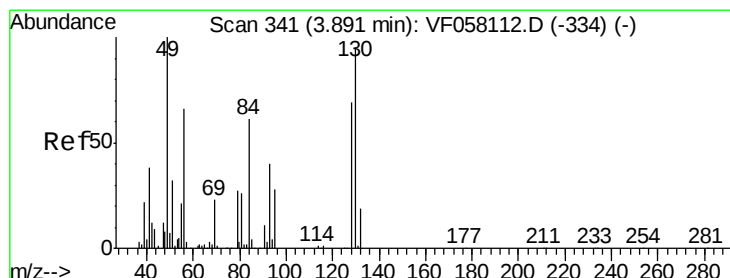
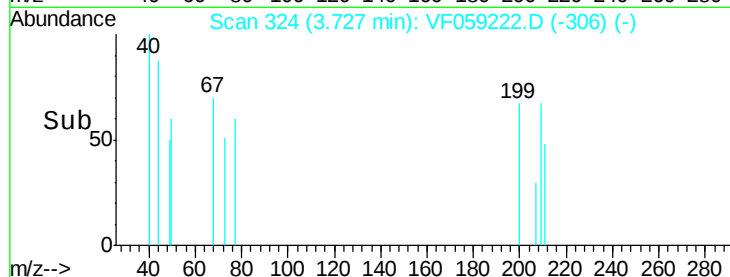
150

100

50

0

Time-->



#28

Bromochloromethane

Concen: 128.45 ug/l

RT: 3.87 min Scan# 339

Delta R.T. -0.02 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

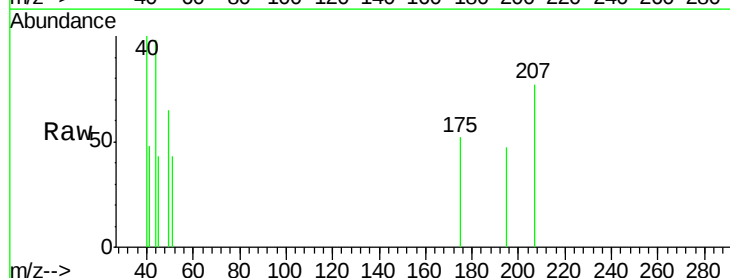
Tgt Ion: 49 Resp: 90

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

130 0.0 75.8 113.8#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

200

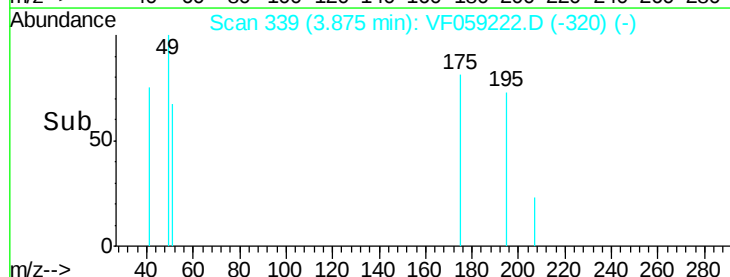
150

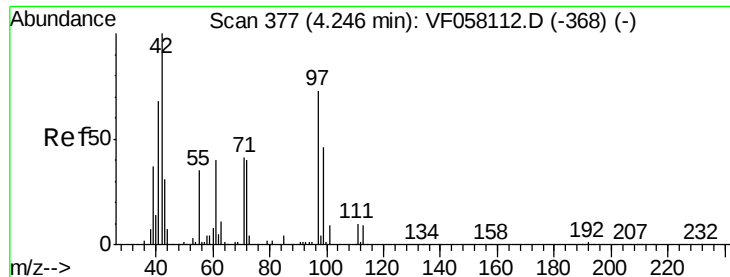
100

50

0

Time-->





#29

Tetrahydrofuran

Concen: 385.41 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleId :

TP-13

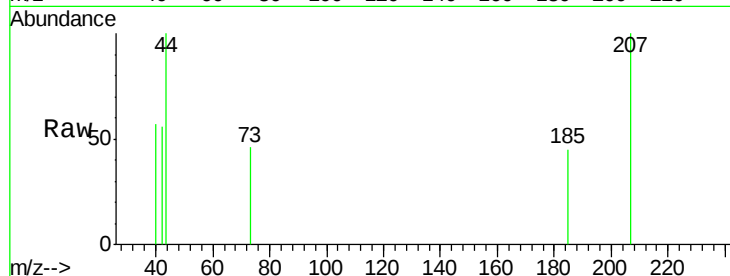
Tot Ion: 42 Resp: 77

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

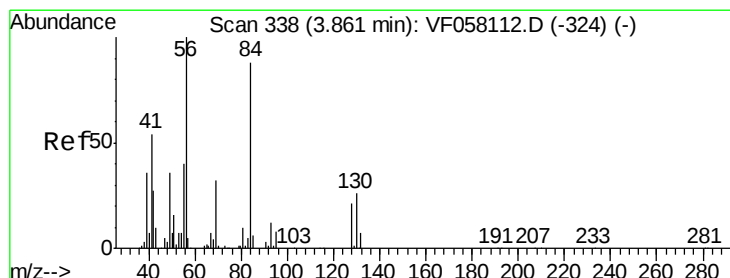
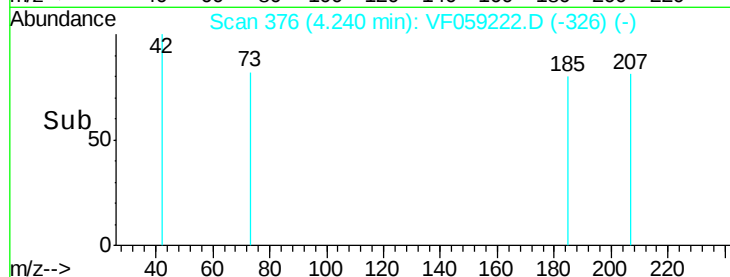
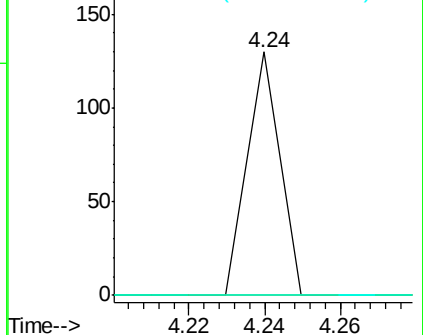
71 0.0 31.5 47.3#



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



#31

Cyclohexane

Concen: 48.53 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

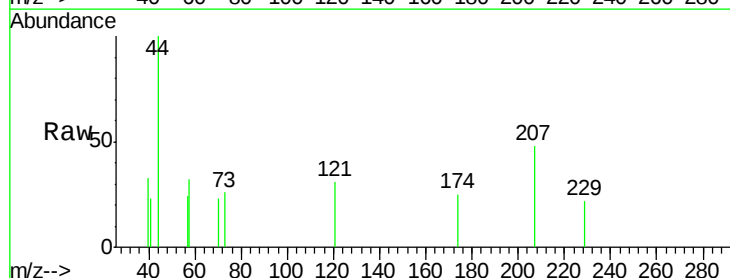
Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

69 0.0 25.9 38.9#

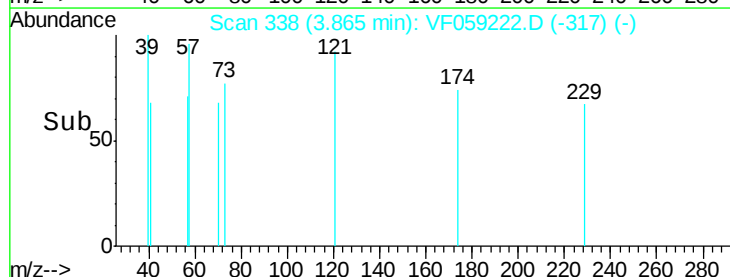
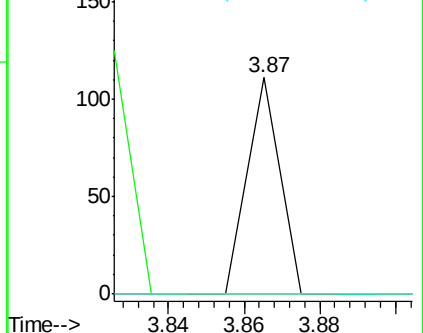
84 0.0 70.3 105.5#

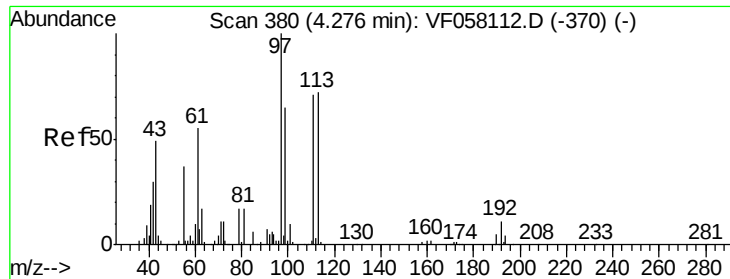


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#32

1,1,1-Trichloroethane

Concen: 39.70 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.04 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleId :

TP-13

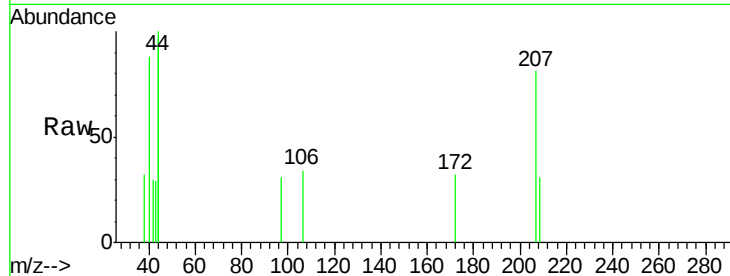
Tot Ion: 97 Resp: 66

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

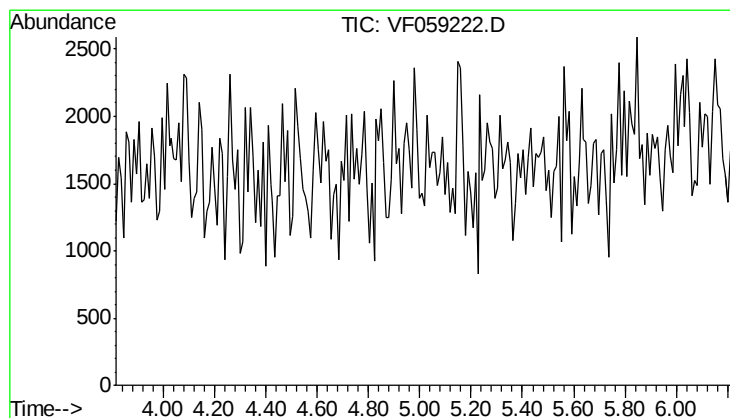
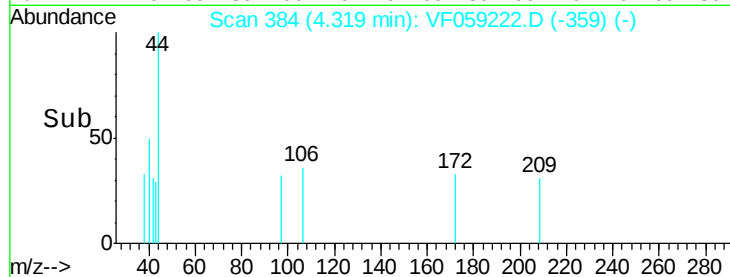
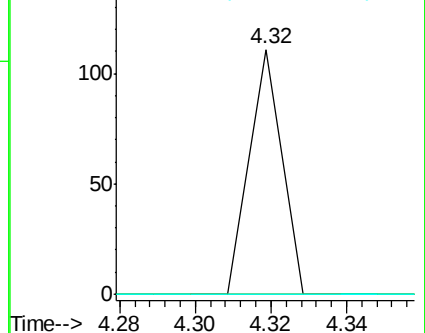
61 0.0 44.3 66.5#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 5.01 min

Lab File: VF059222.D

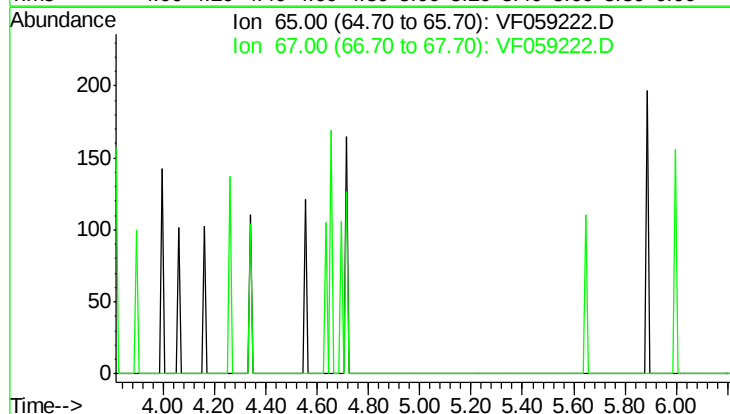
Acq: 20 Jun 2018 8:36

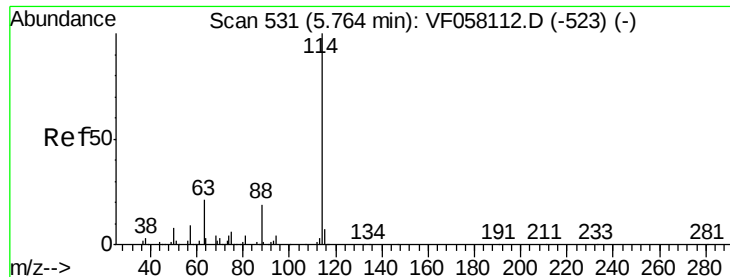
Tgt Ion: 65

Sig Exp Ratio

65 100

67 48.5





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleId :

TP-13

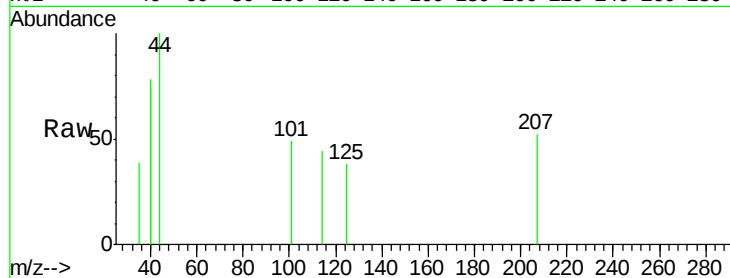
Tot Ion:114 Resp: 82

Ion Ratio Lower Upper

114 100

63 0.0 0.0 41.6

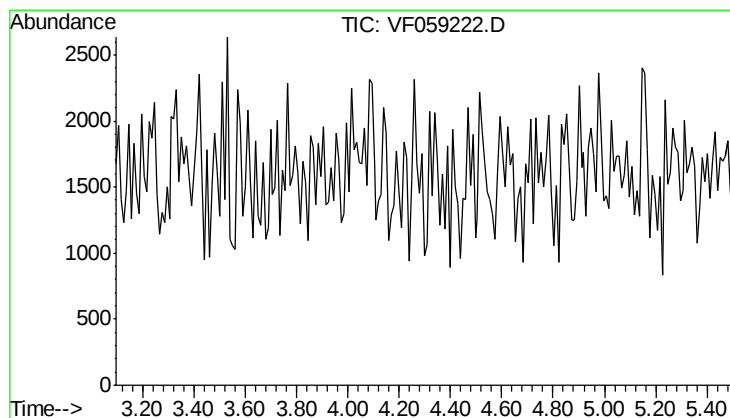
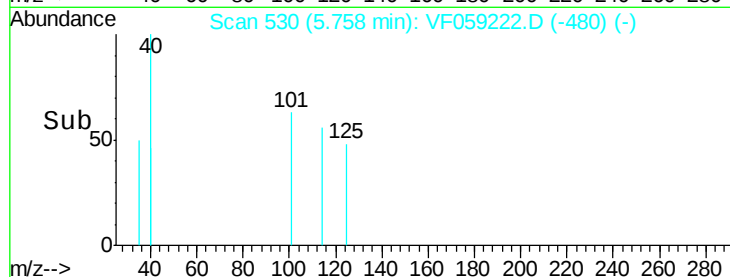
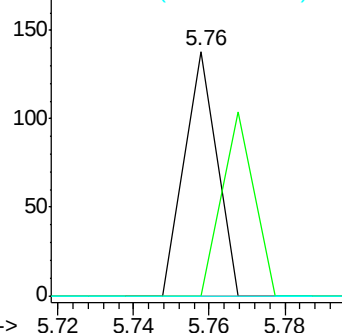
88 0.0 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 0.00 ug/l

Expected RT: 4.30 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

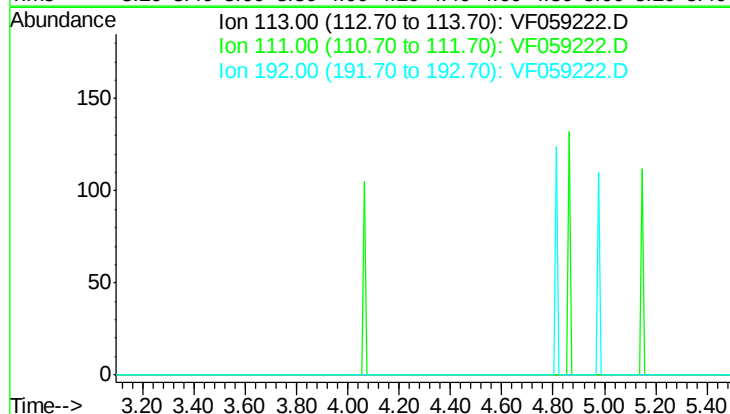
Tgt Ion: 113

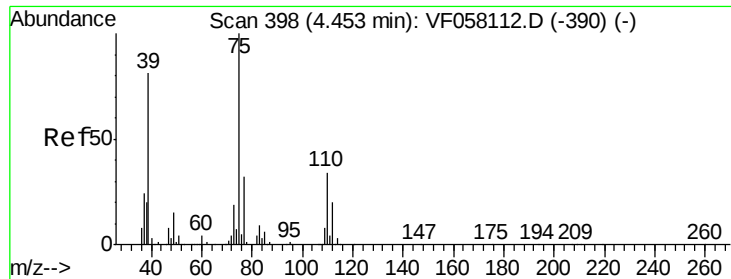
Sig Exp Ratio

113 100

111 101.6

192 15.9





#36

1,1-Dichloropropene

Concen: 111.98 ug/l

RT: 4.44 min Scan# 396

Delta R.T. -0.02 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampled :

TP-13

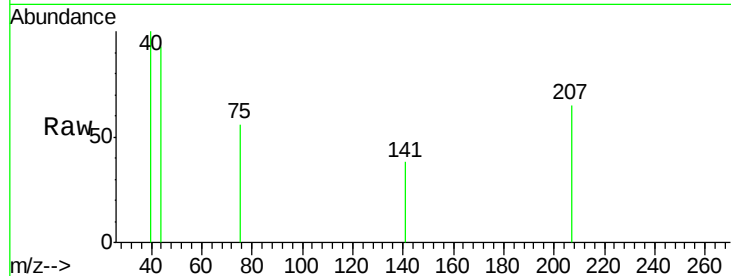
Tot Ion: 75 Resp: 89

Ion Ratio Lower Upper

75 100

110 0.0 17.0 50.9#

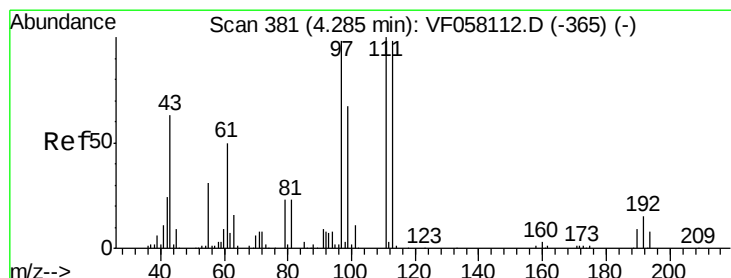
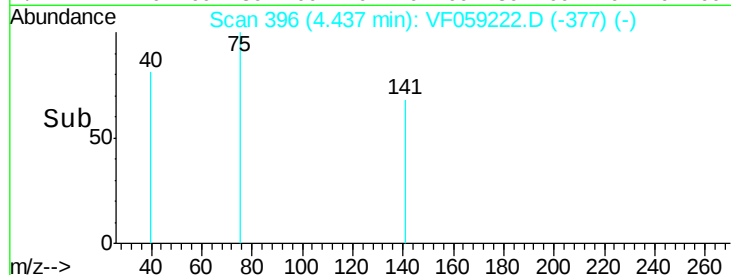
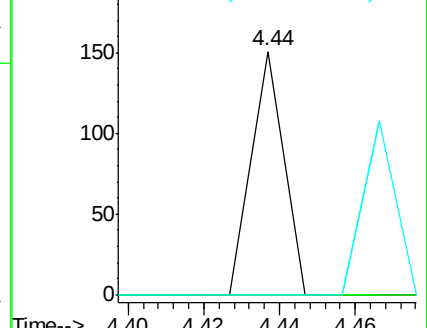
77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 122.17 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.03 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

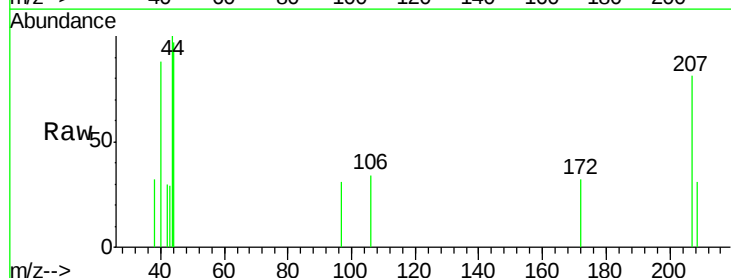
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

61 0.0 63.0 94.4#

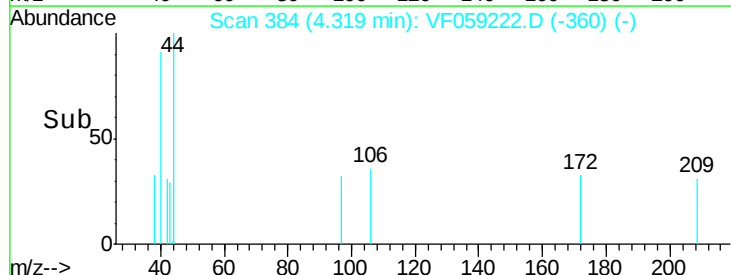
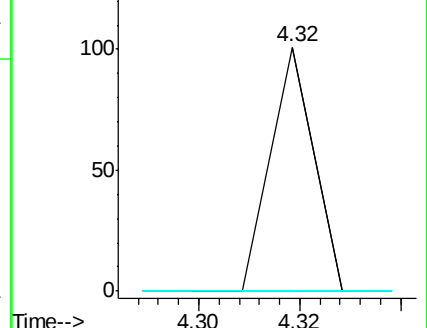
70 0.0 7.5 11.3#

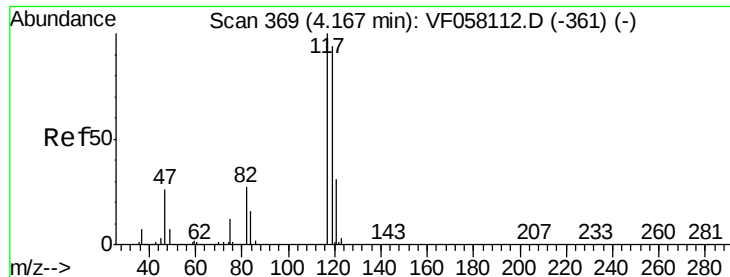


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: 73.14 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.11 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

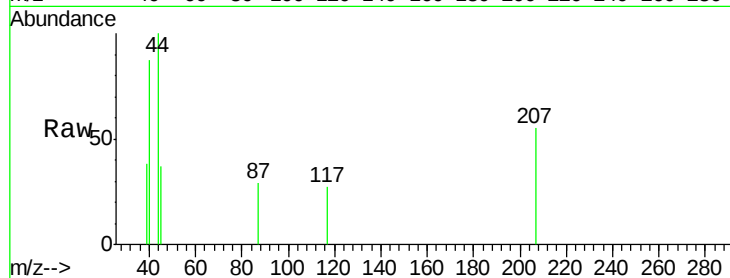
MSVOA_F

ClientSampled :

TP-13

Tot Ion:117 Resp: 63

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.7	113.5#
121	0.0	24.8	37.2#

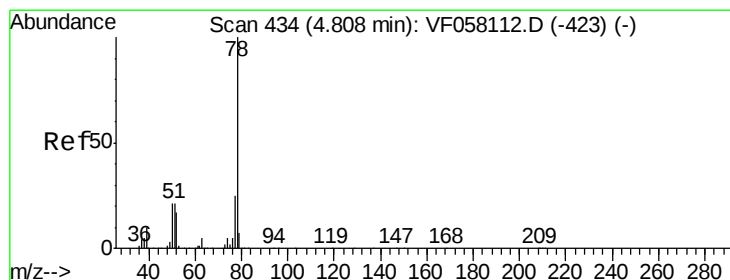
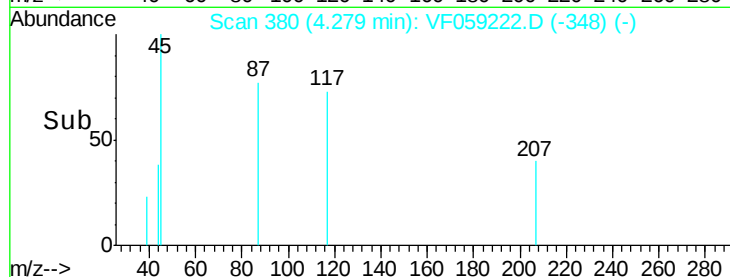
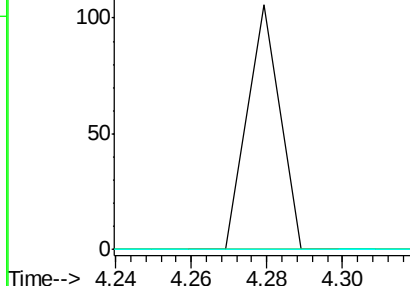


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

4.28



#40

Benzene

Concen: 39.03 ug/l

RT: 4.85 min Scan# 438

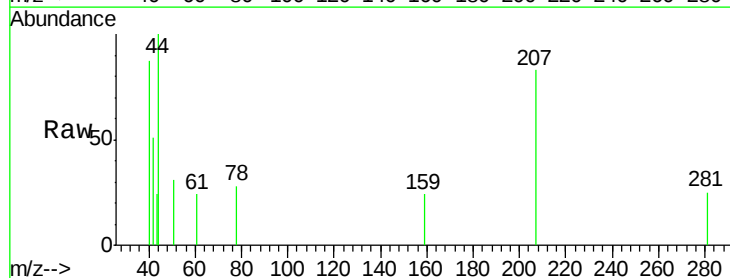
Delta R.T. 0.04 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Tgt Ion: 78 Resp: 72

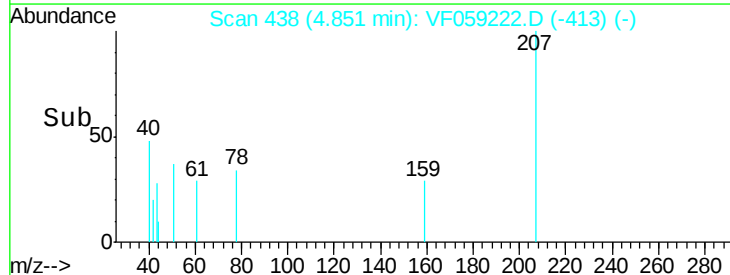
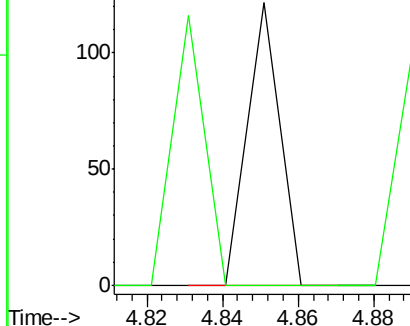
Ion	Ratio	Lower	Upper
78	100		
77	0.0	20.2	30.2#

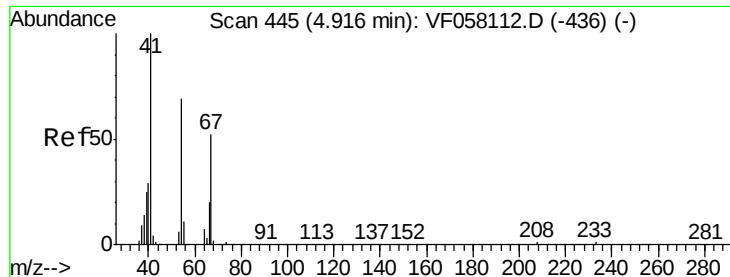


Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.85

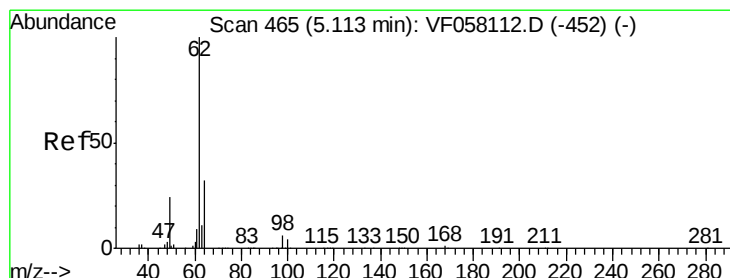
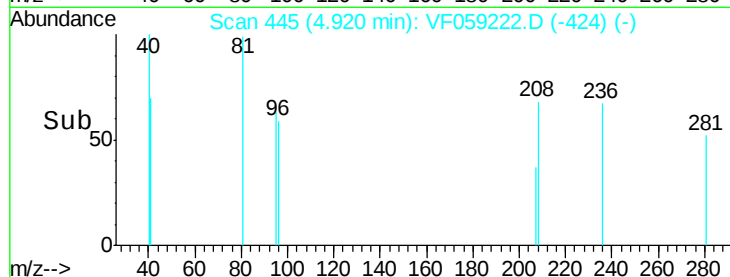
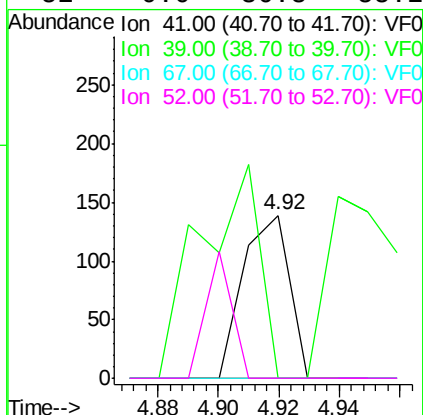
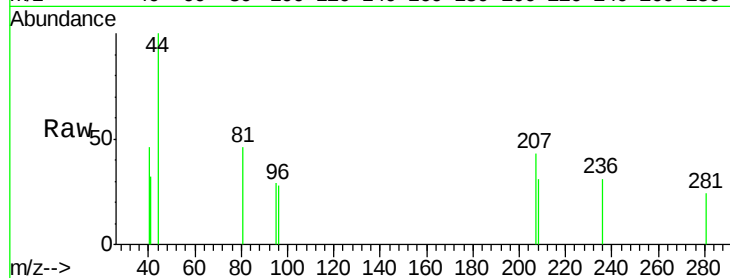




#41
Methacrylonitrile
Concen: 621.69 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059222.D
Acq: 20 Jun 2018 8:36

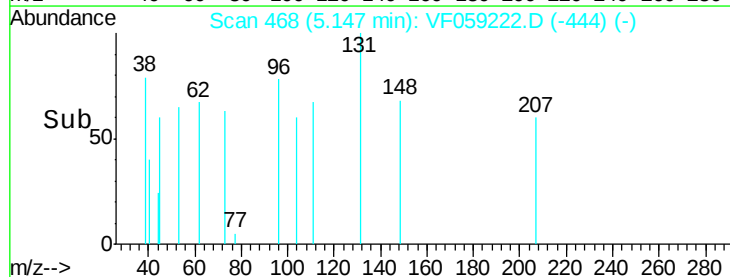
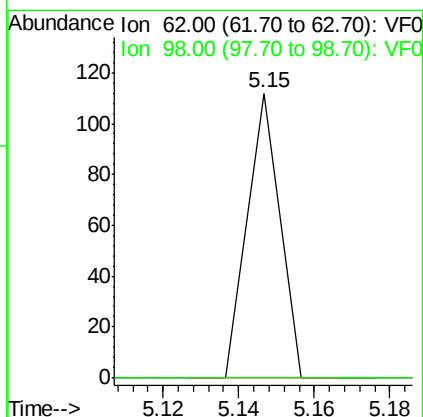
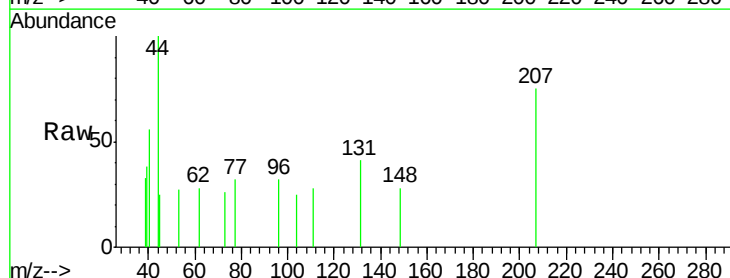
Instrument :
MSVOA_F
ClientSampled :
TP-13

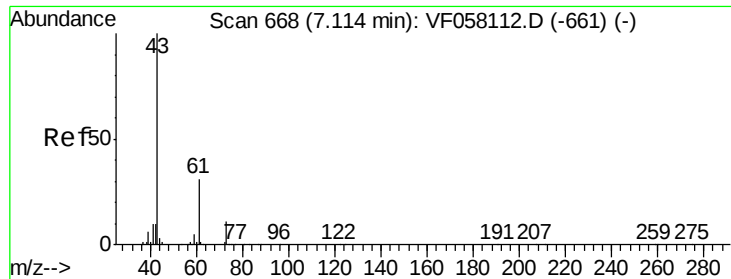
Tot Ion:	41	Resp:	150
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.4#
67	0.0	41.0	61.6#
52	0.0	36.8	55.2#



#42
1,2-Dichloroethane
Concen: 79.77 ug/l
RT: 5.15 min Scan# 468
Delta R.T. 0.03 min
Lab File: VF059222.D
Acq: 20 Jun 2018 8:36

Tgt Ion:	62	Resp:	66
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	11.8





#43

Isopropyl Acetate

Concen: 267.59 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.02 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleId :

TP-13

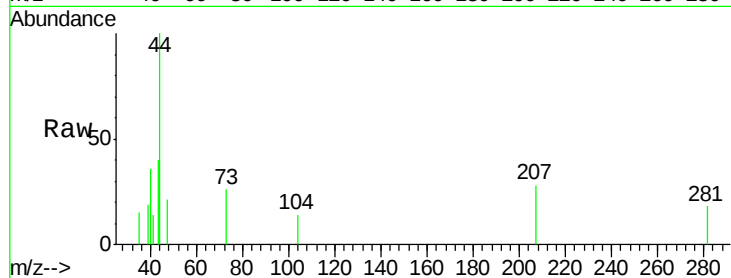
Tot Ion: 43 Resp: 176

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

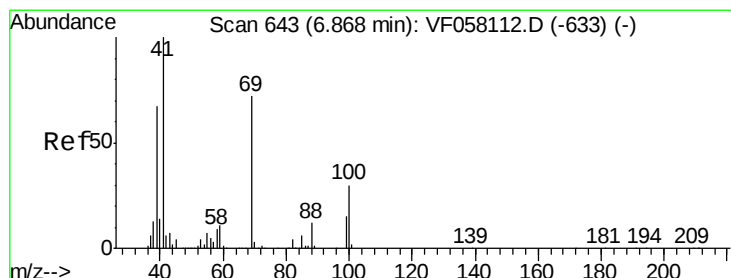
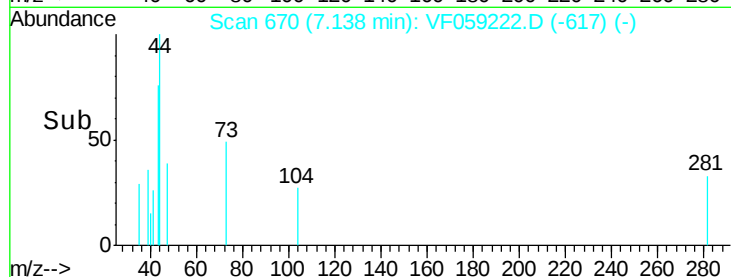
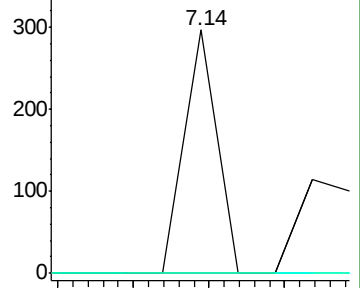
87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 537.66 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

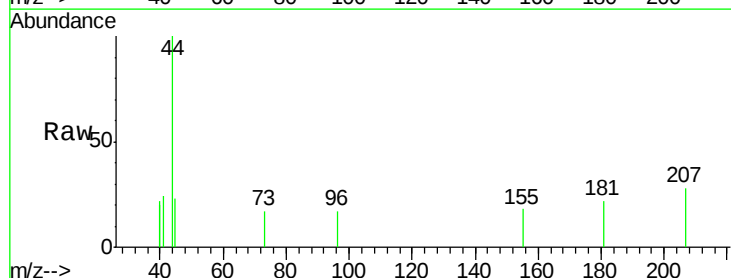
Tgt Ion: 41 Resp: 218

Ion Ratio Lower Upper

41 100

69 0.0 57.2 85.8#

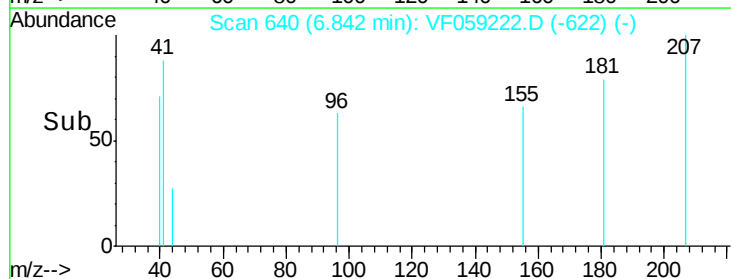
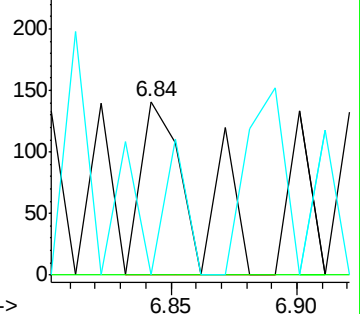
39 81.6 54.3 81.5#

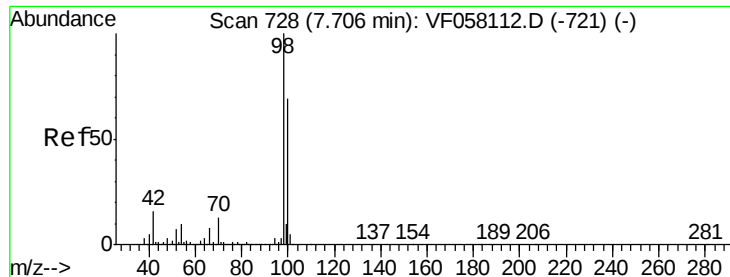


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 86.97 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampled :

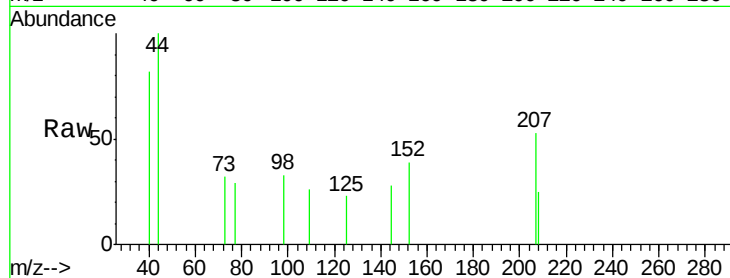
TP-13

Tot Ion: 98 Resp: 147

Ion Ratio Lower Upper

98 100

100 0.0 55.6 83.4#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.71

150

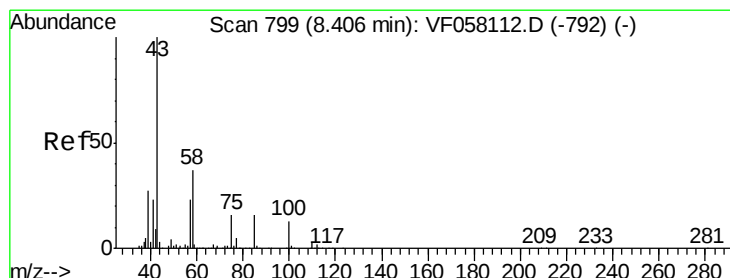
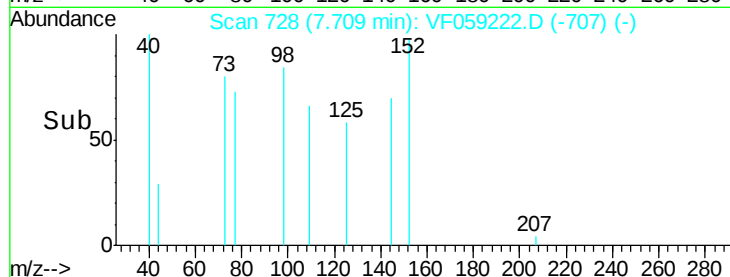
100

50

0

7.68 7.70 7.72 7.74

Time-->



#51

4-Methyl-2-Pentanone

Concen: 372.67 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059222.D

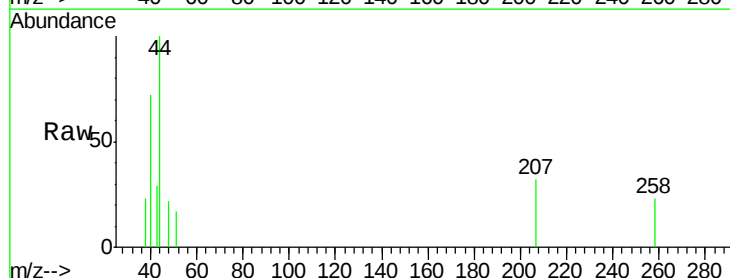
Acq: 20 Jun 2018 8:36

Tgt Ion: 43 Resp: 168

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250

200

150

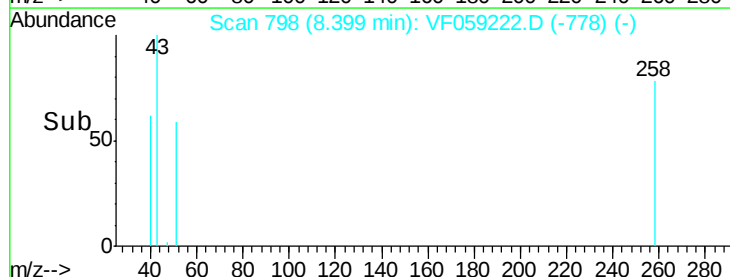
100

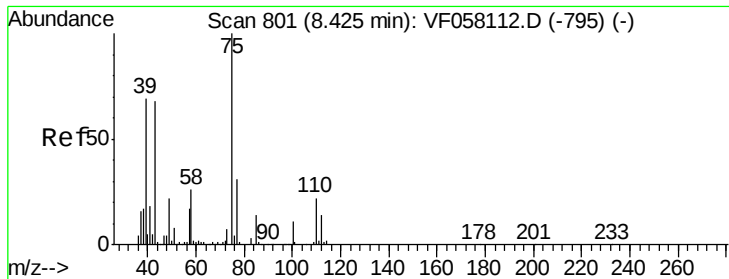
50

0

8.36 8.38 8.40 8.42

Time-->





#53

t-1,3-Dichloropropene

Concen: 69.18 ug/l

RT: 8.32 min Scan# 790

Delta R.T. -0.10 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

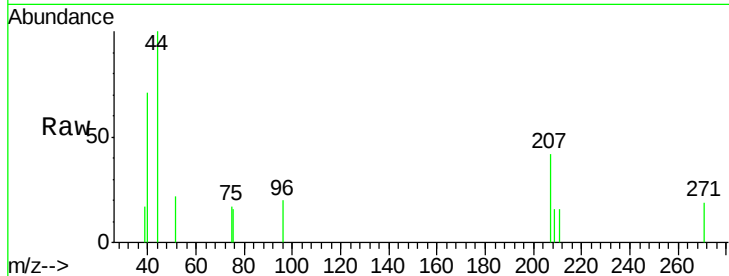
Instrument :
MSVOA_F
ClientSampleId :
TP-13

Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.32

100

80

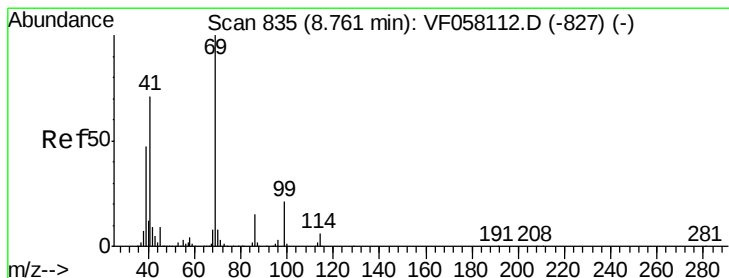
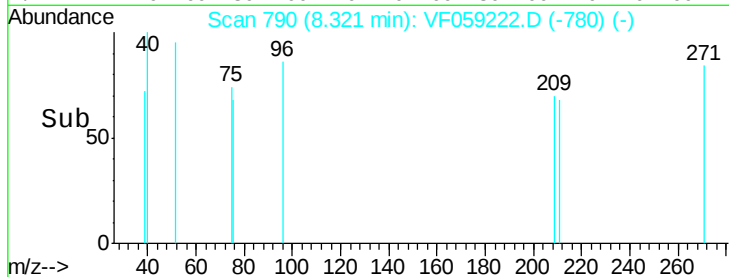
60

40

20

0

Time-->



#56

Ethyl methacrylate

Concen: 121.92 ug/l

RT: 8.80 min Scan# 839

Delta R.T. 0.04 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

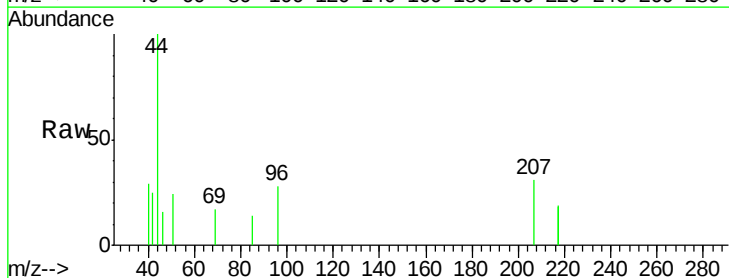
Tgt Ion: 69 Resp: 74

Ion Ratio Lower Upper

69 100

41 0.0 56.9 85.3#

39 0.0 38.0 57.0#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

300

250

200

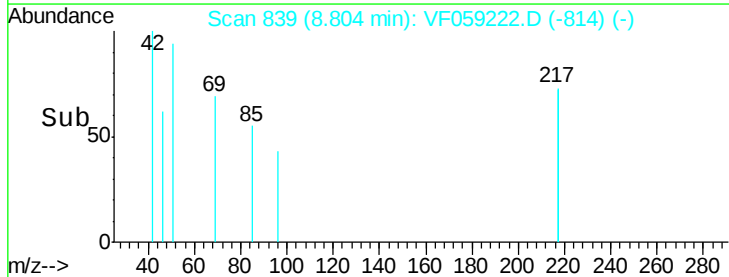
150

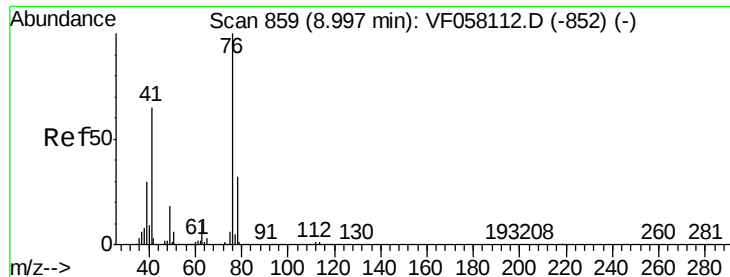
100

50

0

Time-->





#57

1,3-Dichloropropane

Concen: 155.40 ug/l

RT: 8.92 min Scan# 851

Delta R.T. -0.08 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleId :

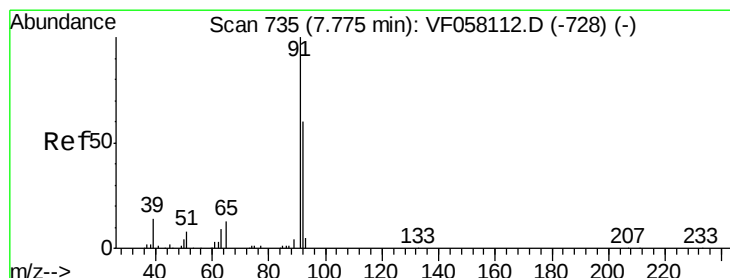
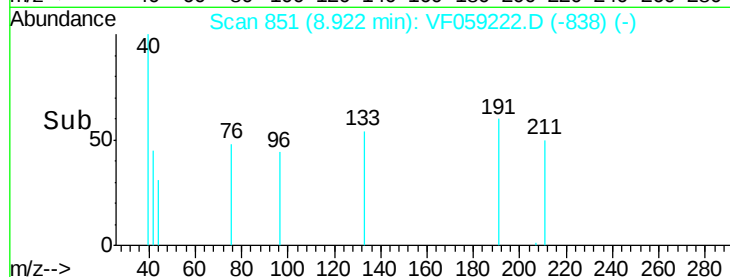
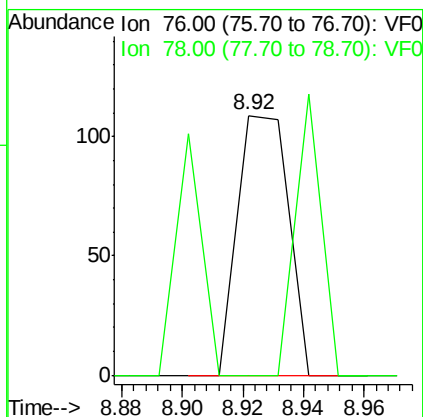
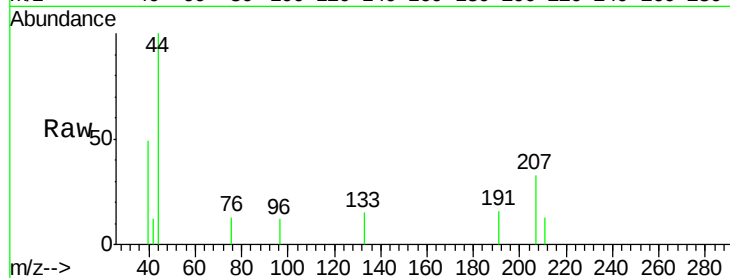
TP-13

Tot Ion: 76 Resp: 128

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#58

2-Chloroethyl Vinyl ether

Concen: 1359.45 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.02 min

Lab File: VF059222.D

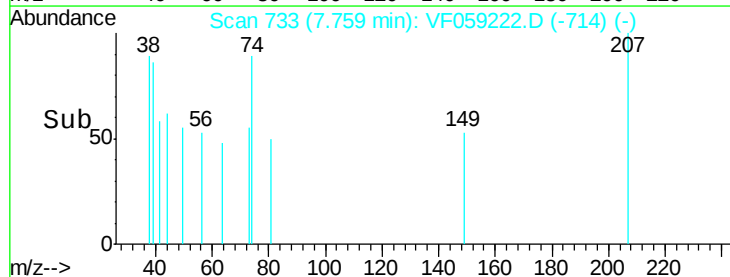
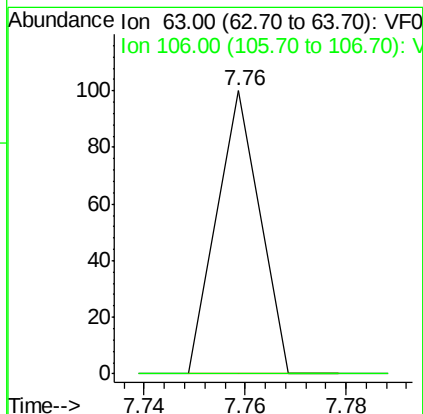
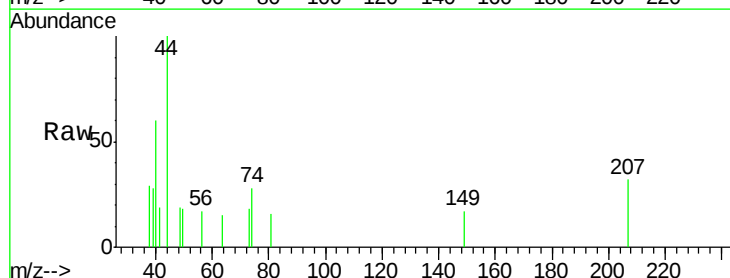
Acq: 20 Jun 2018 8:36

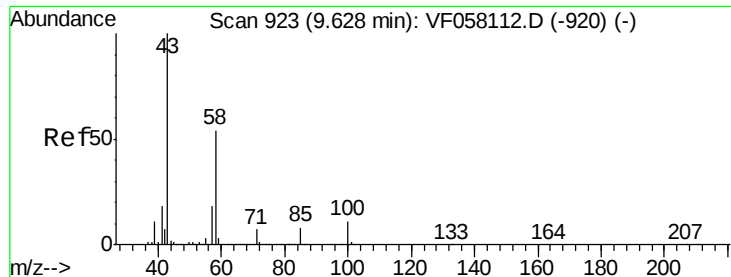
Tgt Ion: 63 Resp: 59

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

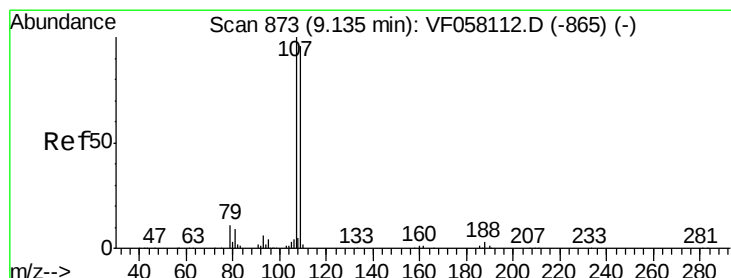
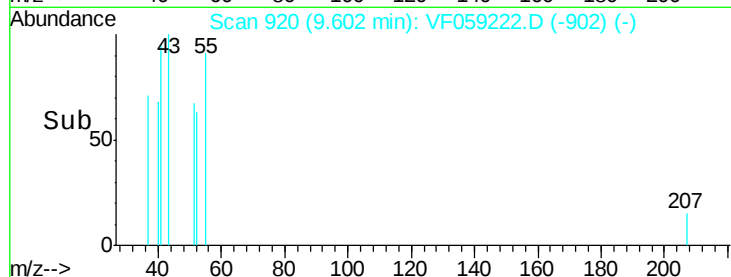
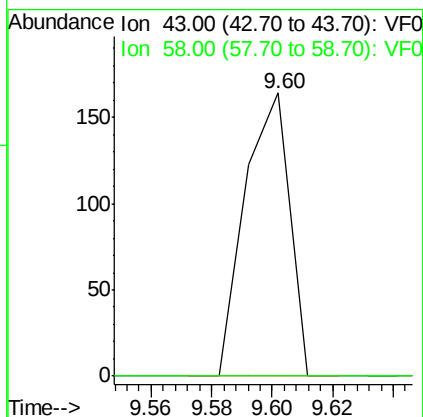
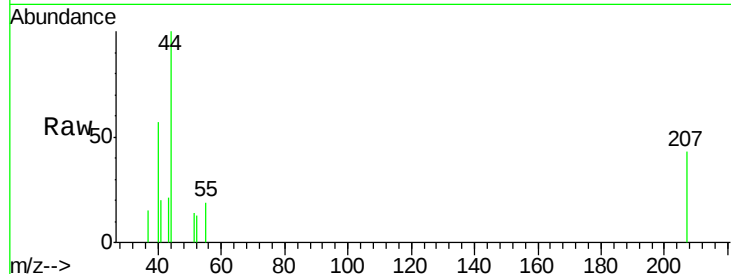




#59
2-Hexanone
Concen: 476.75 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.03 min
Lab File: VF059222.D
Acq: 20 Jun 2018 8:36

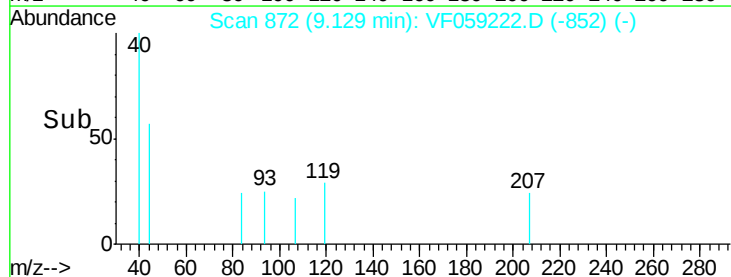
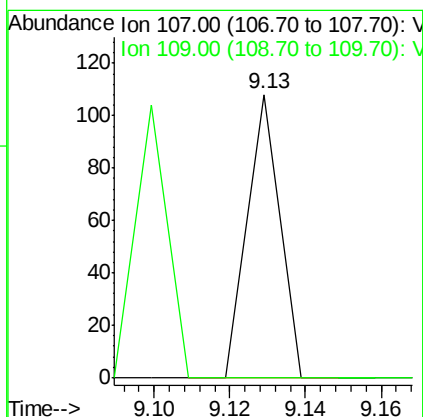
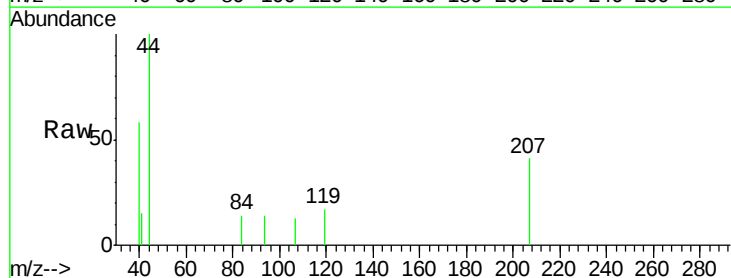
Instrument :
MSVOA_F
ClientSampleId :
TP-13

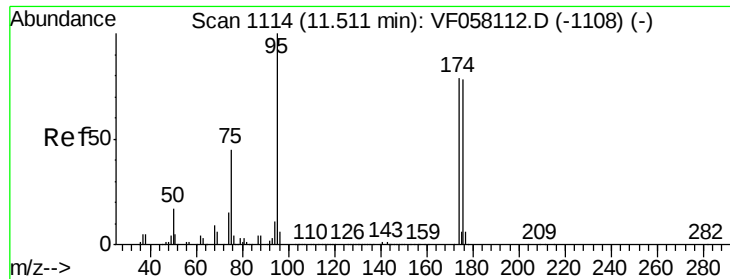
Tot Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.8#



#61
1,2-Dibromoethane
Concen: 114.39 ug/l
RT: 9.13 min Scan# 872
Delta R.T. -0.01 min
Lab File: VF059222.D
Acq: 20 Jun 2018 8:36

Tgt Ion: 107 Resp: 64
Ion Ratio Lower Upper
107 100
109 0.0 76.6 115.0#





#62

4-Bromofluorobenzene

Concen: 72.67 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampleId :

TP-13

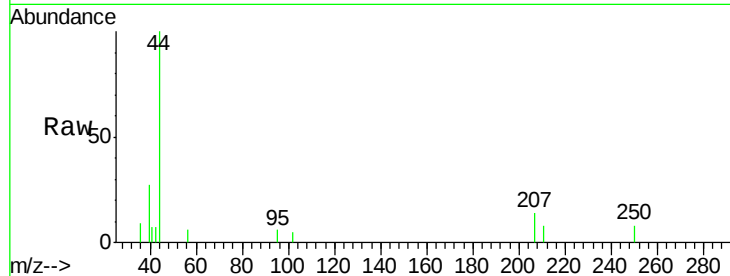
Tot Ion: 95 Resp: 63

Ion Ratio Lower Upper

95 100

174 0.0 0.0 157.8

176 0.0 0.0 155.8



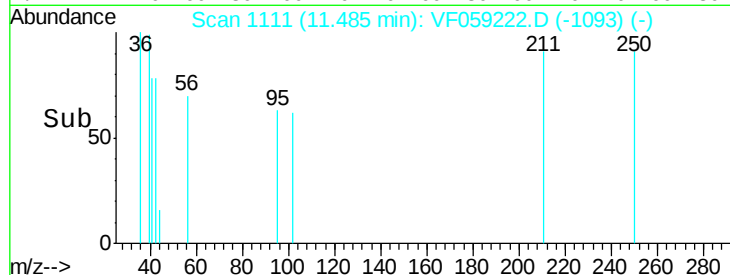
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

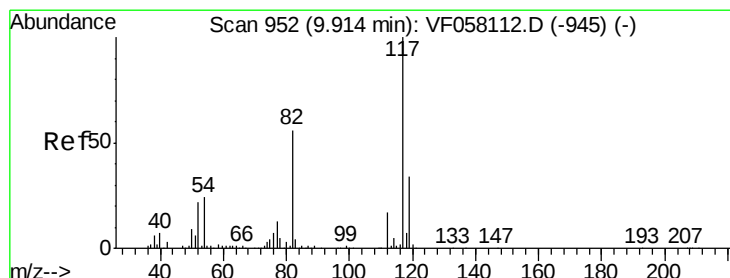
Ion 176.00 (175.70 to 176.70): V

11.48

11.46 11.48 11.50



Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.02 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

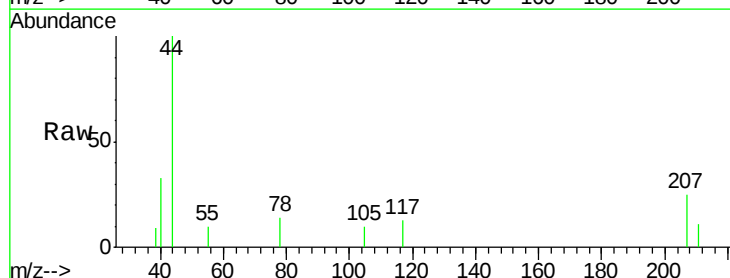
Tgt Ion: 117 Resp: 81

Ion Ratio Lower Upper

117 100

82 0.0 45.2 67.8#

119 0.0 27.5 41.3#



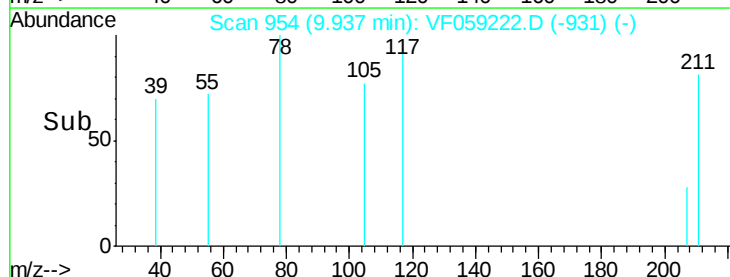
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

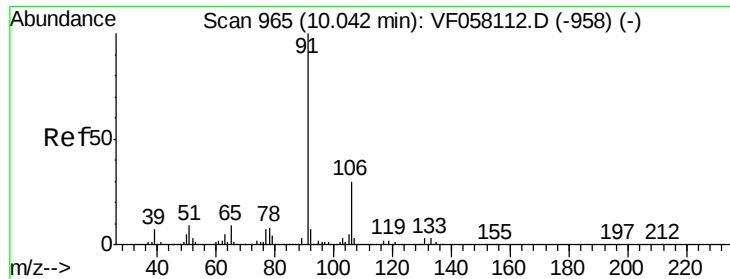
Ion 119.00 (118.70 to 119.70): V

9.94

9.90 9.92 9.94 9.96



Time-->



#67

Ethyl Benzene

Concen: 25.12 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.03 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Instrument :

MSVOA_F

ClientSampled :

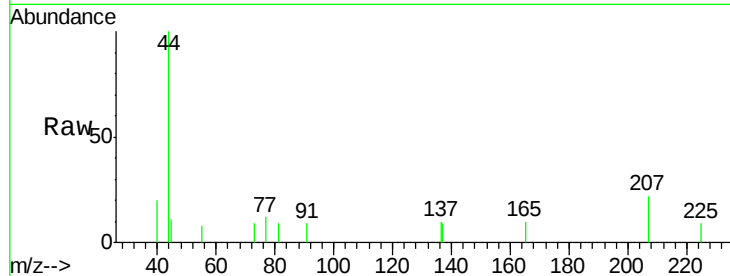
TP-13

Tot Ion: 91 Resp: 70

Ion Ratio Lower Upper

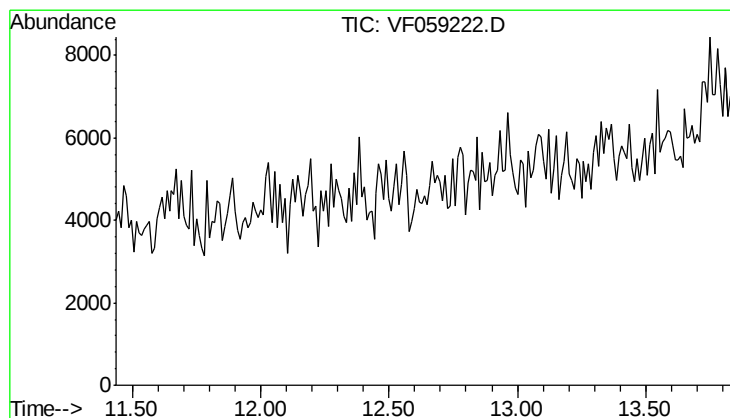
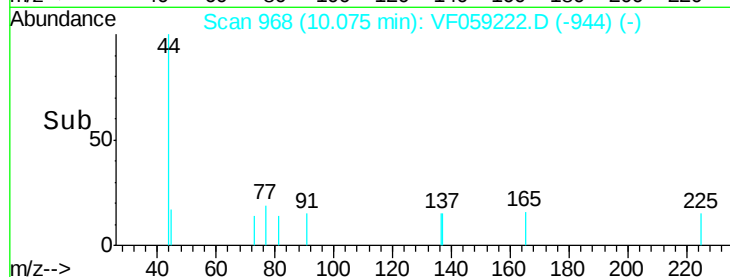
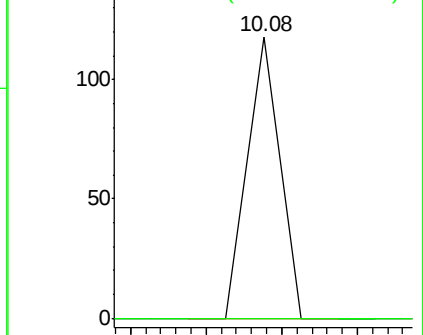
91 100

106 0.0 24.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 0.00 ug/l

Expected RT: 12.63 min

Lab File: VF059222.D

Acq: 20 Jun 2018 8:36

Tgt Ion: 152

Sig Exp Ratio

152 100

115 57.0

150 161.9

