

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059550.D
 Acq On : 19 Jul 2018 10:12
 Operator : VA/AP
 Sample : J4035-07
 Misc : 5.60µ/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MH-3

Quant Time: Jul 19 14:41:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	20350	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	21737	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	16766	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	5176	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	6903	21.81	ug/l	-0.03
Spiked Amount			Recovery	=	43.62%	
35) Dibromofluoromethane	4.27	113	7842	41.66	ug/l	-0.04
Spiked Amount			Recovery	=	83.32%	
50) Toluene-d8	7.70	98	21316	44.95	ug/l	-0.03
Spiked Amount			Recovery	=	89.90%	
62) 4-Bromofluorobenzene	11.50	95	6762	27.18	ug/l	-0.02
Spiked Amount			Recovery	=	54.36%	

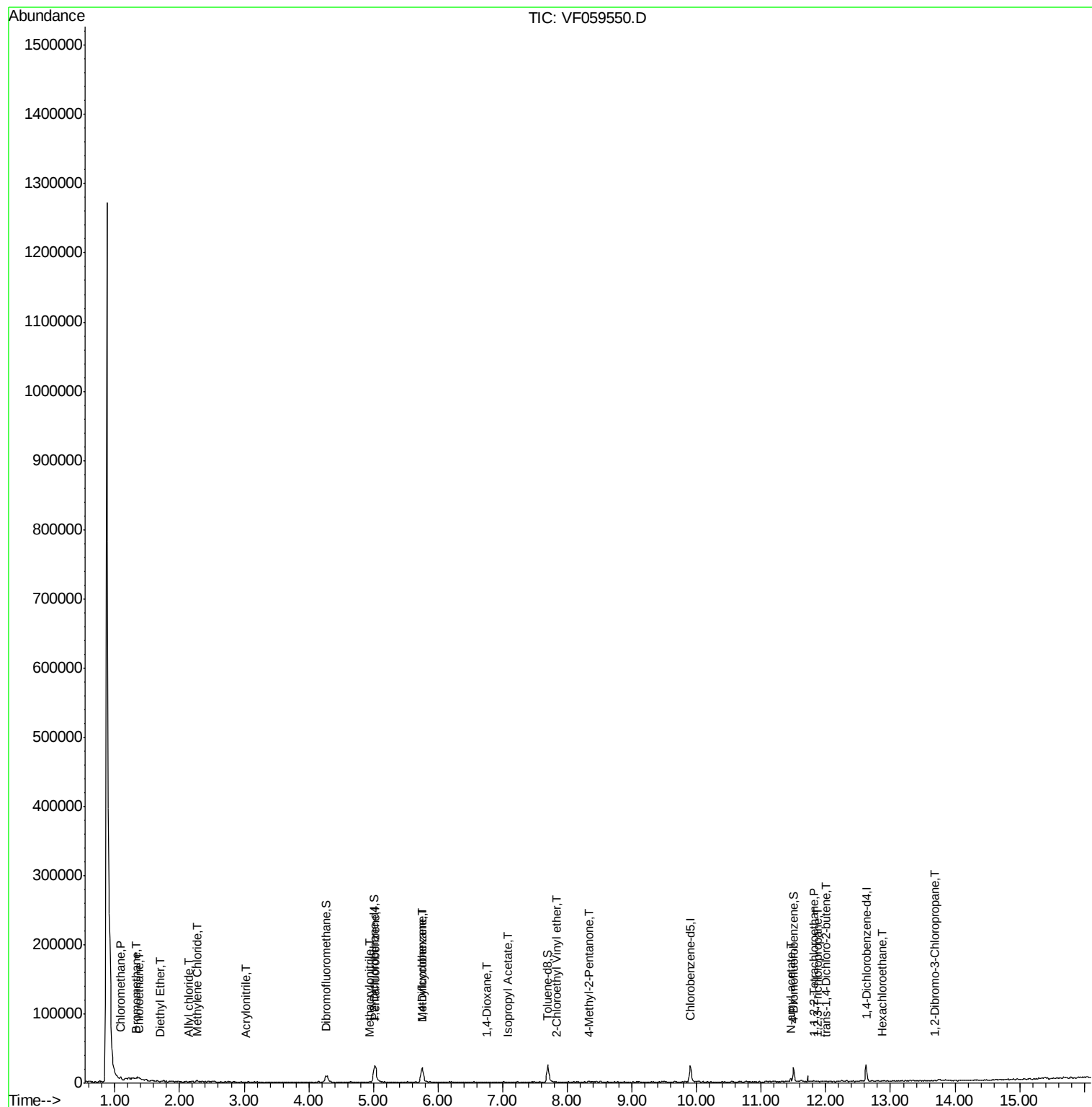
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	169	1.23	ug/l #	44
5) Bromomethane	1.32	94	221	2.30	ug/l #	3
6) Chloroethane	1.37	64	176	2.52	ug/l #	46
8) Diethyl Ether	1.70	74	112	1.72	ug/l #	1
11) Tert butyl alcohol	2.58	59	74	Below Cal	#	74
13) Acrolein	1.99	56	79	Below Cal	#	12
14) Allyl chloride	2.15	41	193	1.02	ug/l #	1
15) Acrylonitrile	3.01	53	87	3.28	ug/l #	13
16) Acetone	2.32	43	207	Below Cal	#	64
18) Methyl Acetate	2.48	43	178	Below Cal	#	67
20) Methylene Chloride	2.27	84	851	1.52	ug/l #	77
29) Tetrahydrofuran	4.28	42	137	Below Cal	#	38
37) Ethyl Acetate	4.29	43	60	Below Cal	#	41
39) Methylcyclohexane	5.75	83	680	4.12	ug/l #	55
41) Methacrylonitrile	4.94	41	164	2.63	ug/l #	57
43) Isopropyl Acetate	7.08	43	188	1.20	ug/l #	51
49) 1,4-Dioxane	6.75	88	73	118.12	ug/l #	15
51) 4-Methyl-2-Pentanone	8.33	43	150	1.35	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.84	63	83	6.39	ug/l	100
74) N-amyl acetate	11.46	43	177	1.69	ug/l #	23
75) 1,1,2,2-Tetrachloroethane	11.83	83	152	2.13	ug/l #	26
76) 1,2,3-Trichloropropane	11.88	75	60	1.03	ug/l #	38
81) trans-1,4-Dichloro-2-buten	12.00	75	61	2.30	ug/l #	47
90) Hexachloroethane	12.86	117	91	1.38	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	13.68	75	60	3.72	ug/l #	23

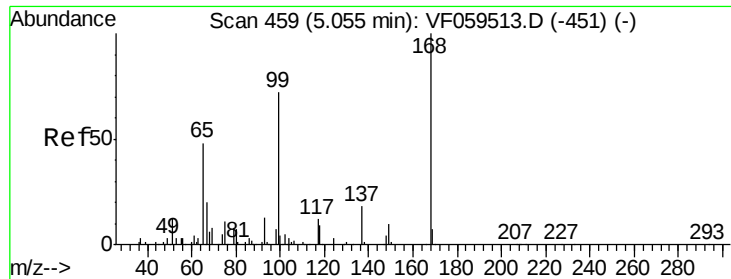
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampleId :

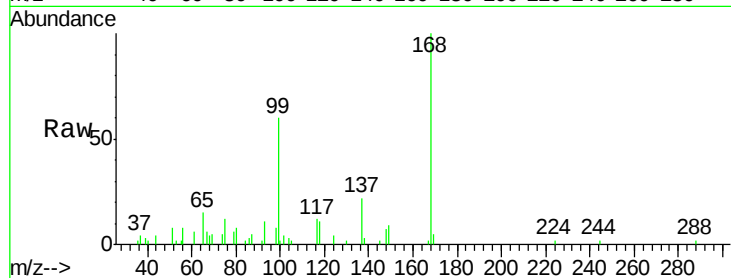
MH-3

Tot Ion:168 Resp: 20350

Ion Ratio Lower Upper

168 100

99 59.5 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

6000

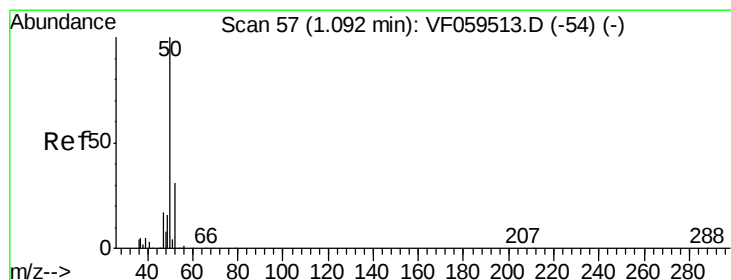
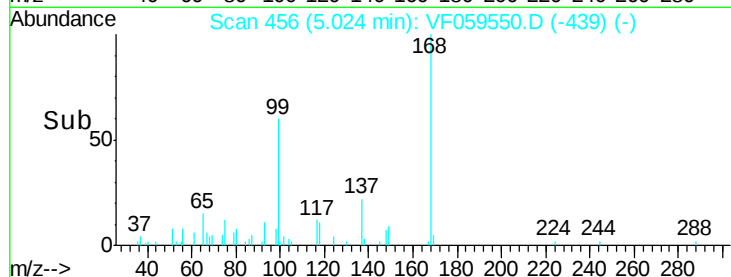
4000

2000

0

4.90 5.00 5.10 5.20

Time-->



#3

Chloromethane

Concen: 1.23 ug/l

RT: 1.09 min Scan# 57

Delta R.T. -0.00 min

Lab File: VF059550.D

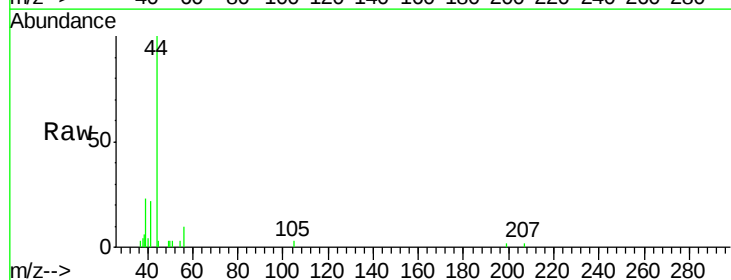
Acq: 19 Jul 2018 10:12

Tgt Ion: 50 Resp: 169

Ion Ratio Lower Upper

50 100

52 0.0 24.6 37.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

150

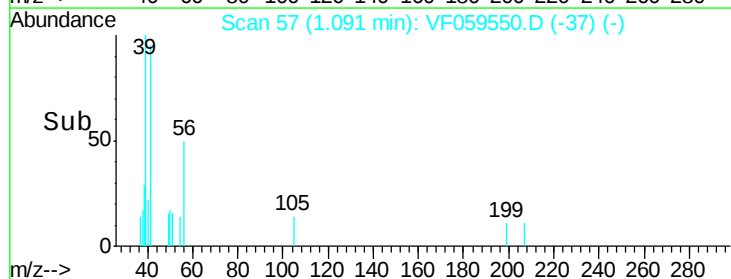
100

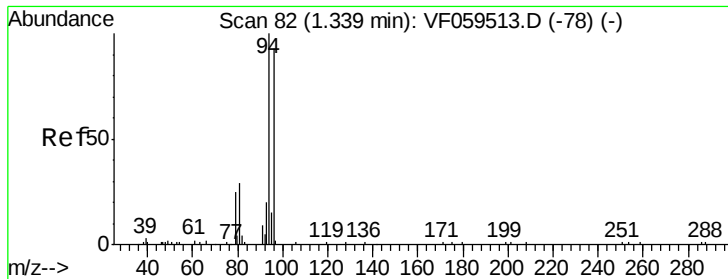
50

0

1.06 1.08 1.10 1.12

Time-->





#5

Bromomethane

Concen: 2.30 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.02 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampled :

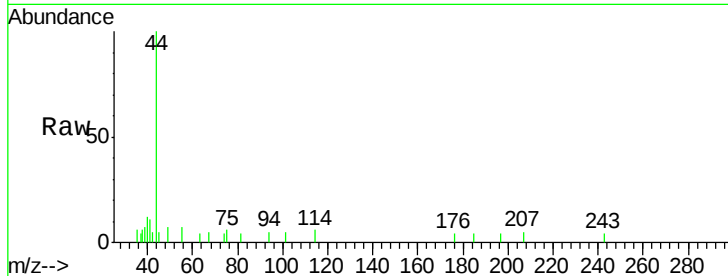
MH-3

Tot Ion: 94 Resp: 221

Ion Ratio Lower Upper

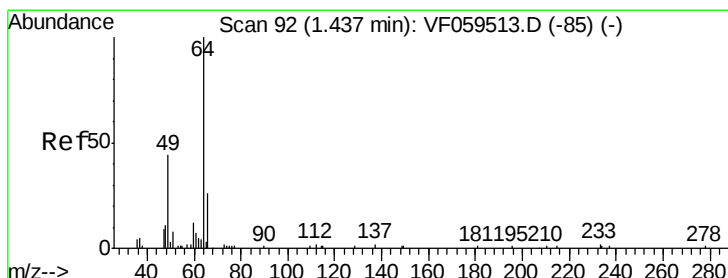
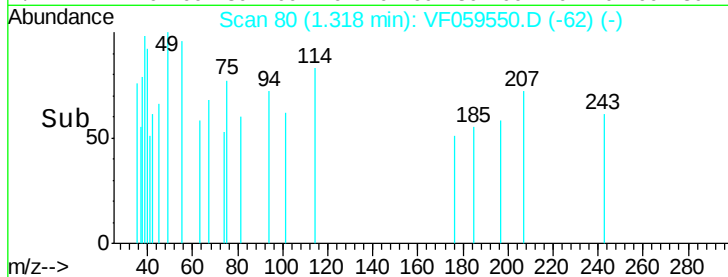
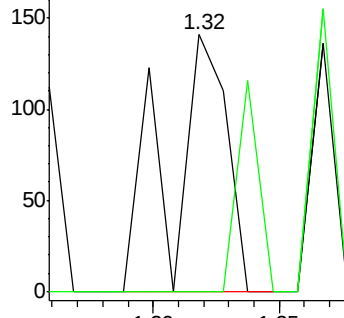
94 100

96 0.0 74.2 111.2#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 2.52 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.07 min

Lab File: VF059550.D

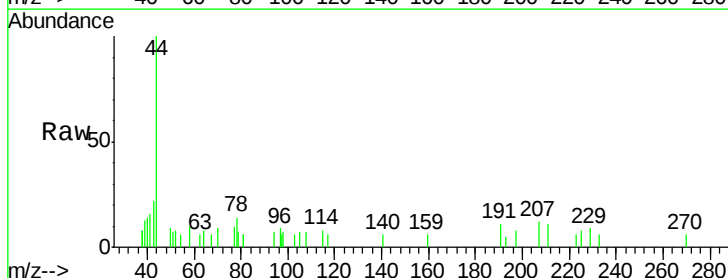
Acq: 19 Jul 2018 10:12

Tgt Ion: 64 Resp: 176

Ion Ratio Lower Upper

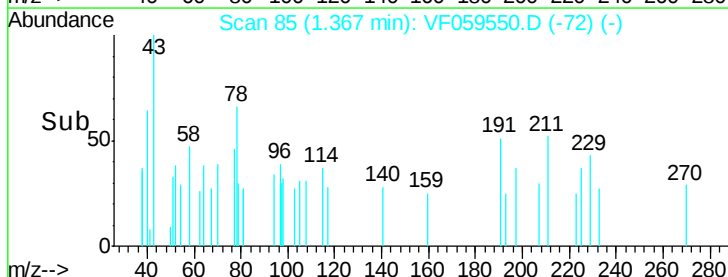
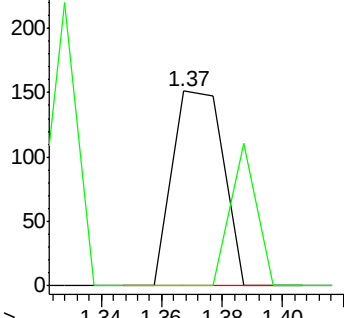
64 100

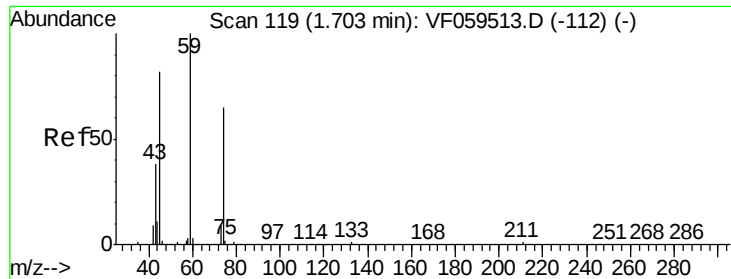
66 0.0 22.9 34.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 1.72 ua/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampled :

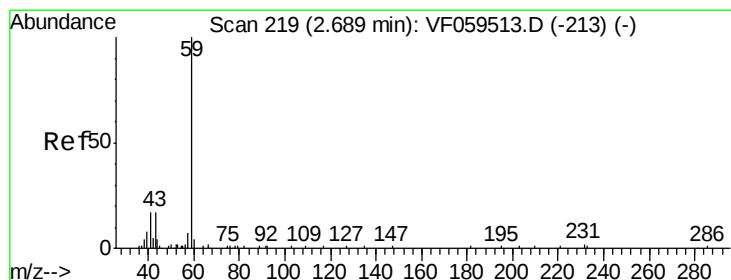
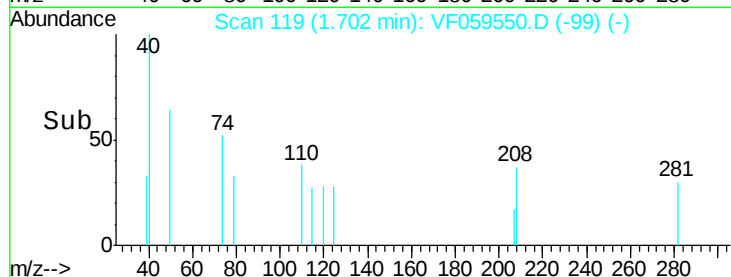
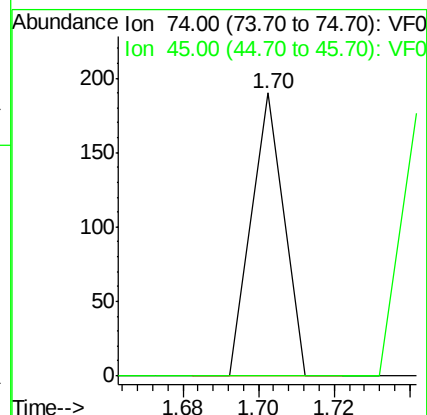
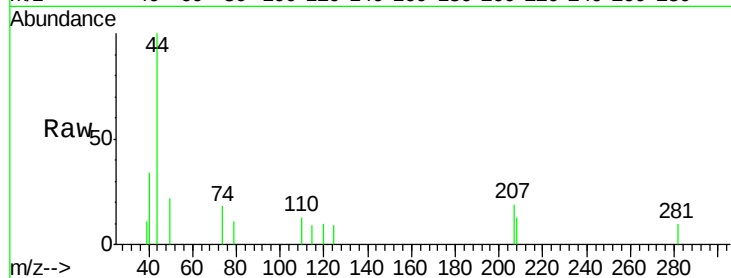
MH-3

Tot Ion: 74 Resp: 112

Ion Ratio Lower Upper

74 100

45 0.0 63.6 190.9#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.58 min Scan# 208

Delta R.T. -0.11 min

Lab File: VF059550.D

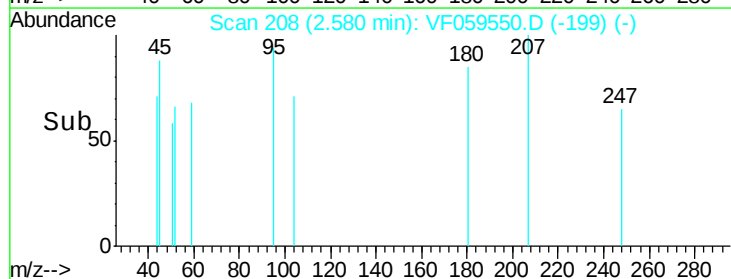
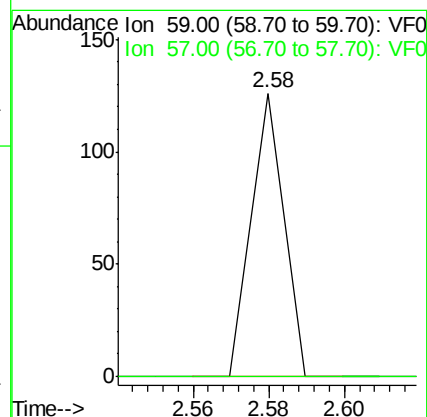
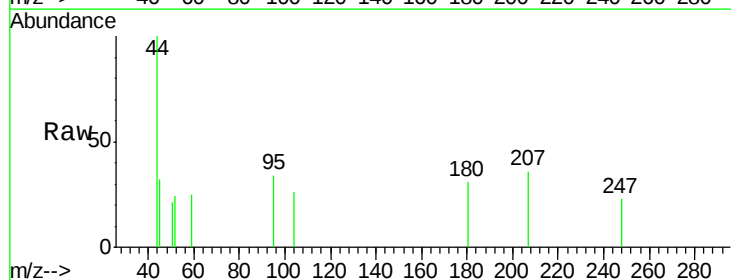
Acq: 19 Jul 2018 10:12

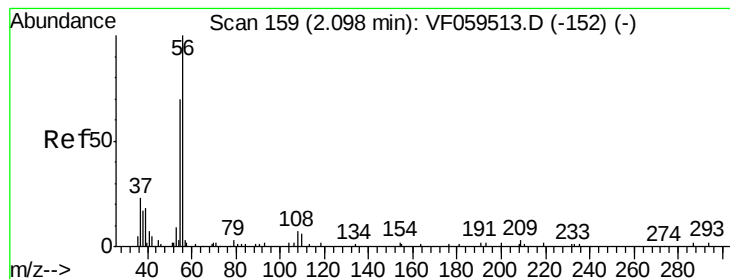
Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#13

Acrolein

Concen: Below Cal

RT: 1.99 min Scan# 148

Delta R.T. -0.11 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampled :

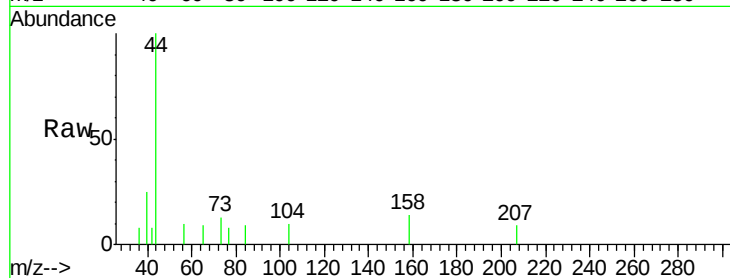
MH-3

Tot Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

55 0.0 59.4 89.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.99

150

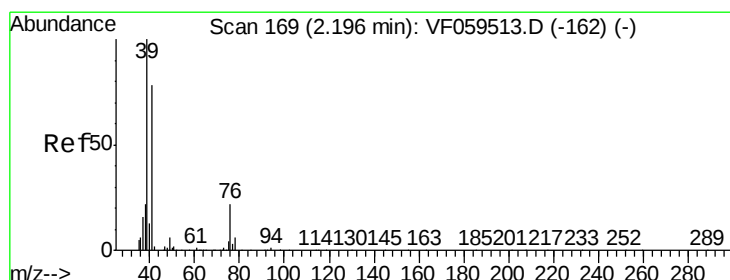
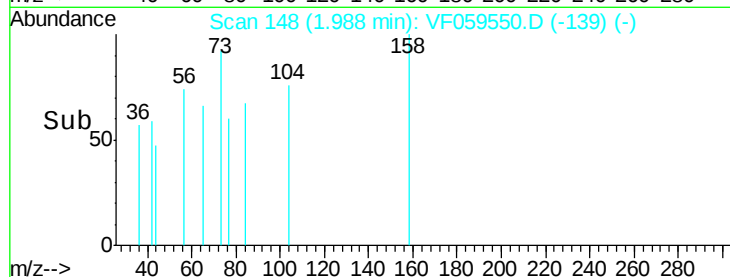
100

50

0

1.96 1.98 2.00 2.02

Time-->



#14

Allyl chloride

Concen: 1.02 ug/l

RT: 2.15 min Scan# 164

Delta R.T. -0.05 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

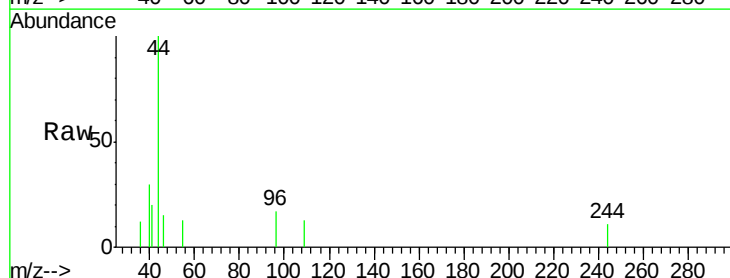
Tgt Ion: 41 Resp: 193

Ion Ratio Lower Upper

41 100

39 0.0 103.0 154.4#

76 0.0 22.6 34.0#



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

500

400

300

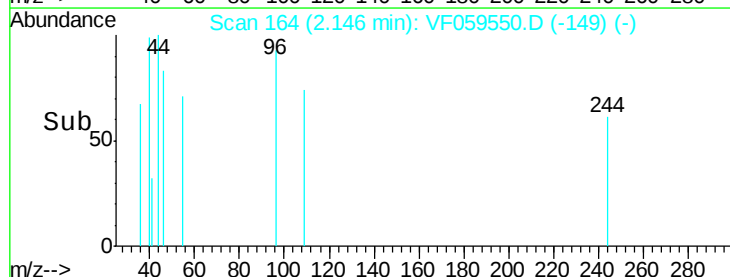
200

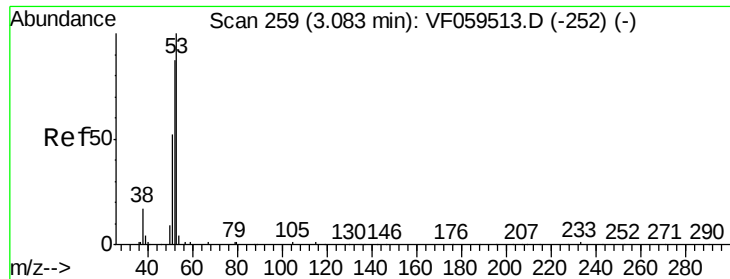
100

0

2.12 2.14 2.16 2.18 2.20

Time-->





#15

Acrylonitrile

Concen: 3.28 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.07 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampleId :

MH-3

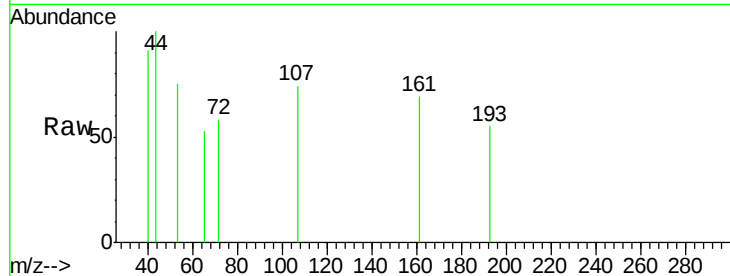
Tot Ion: 53 Resp: 87

Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

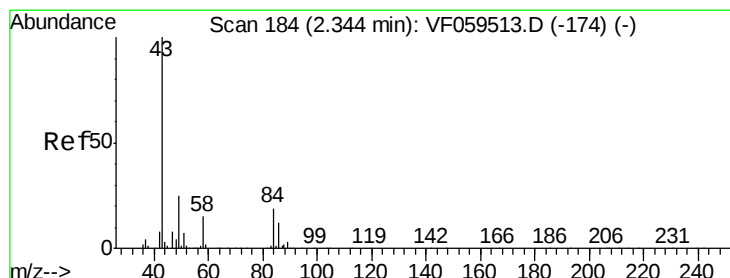
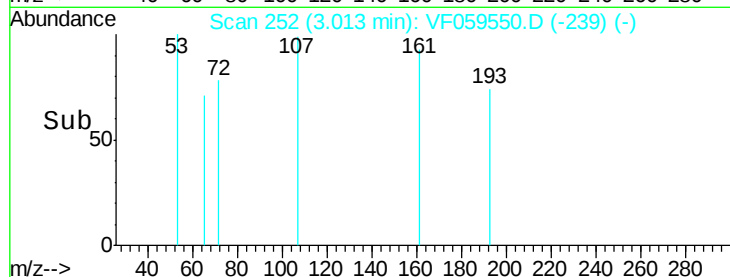
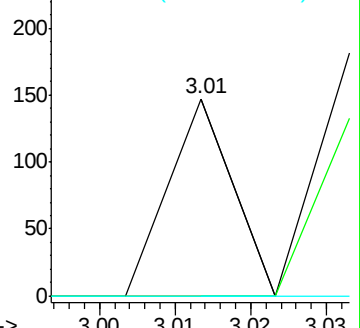
51 0.0 42.5 63.7#



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: Below Cal

RT: 2.32 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059550.D

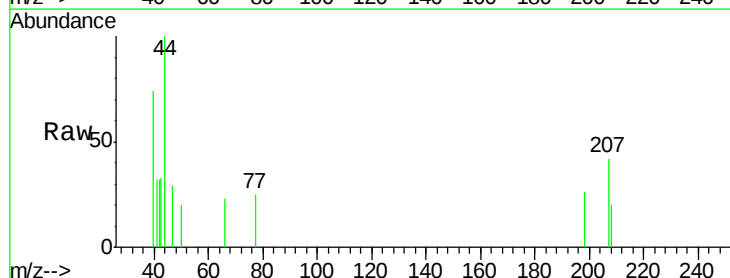
Acq: 19 Jul 2018 10:12

Tgt Ion: 43 Resp: 207

Ion Ratio Lower Upper

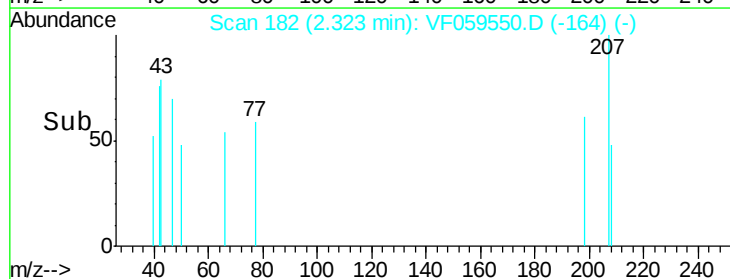
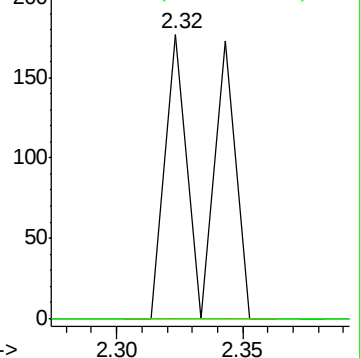
43 100

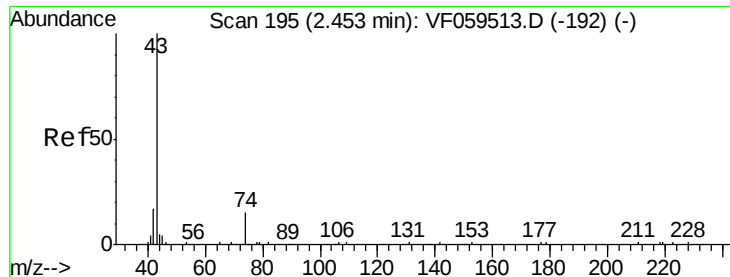
58 0.0 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

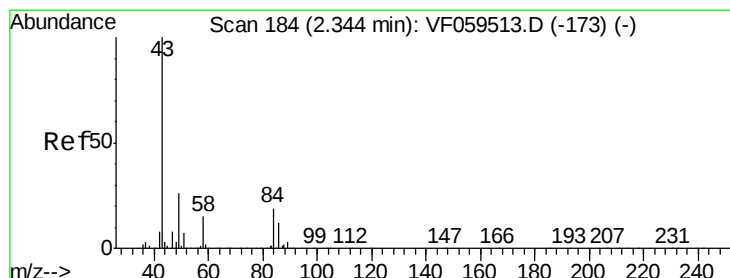
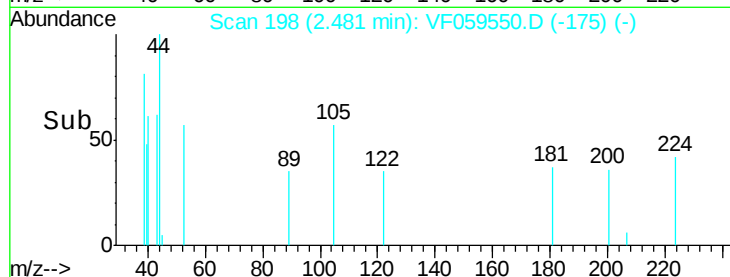
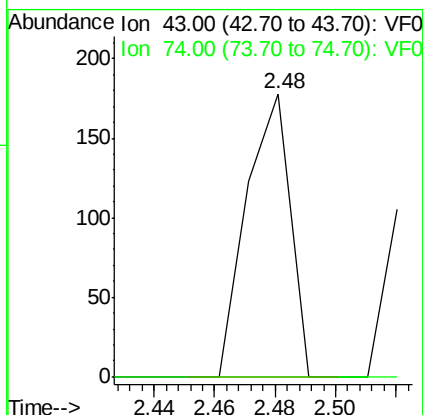
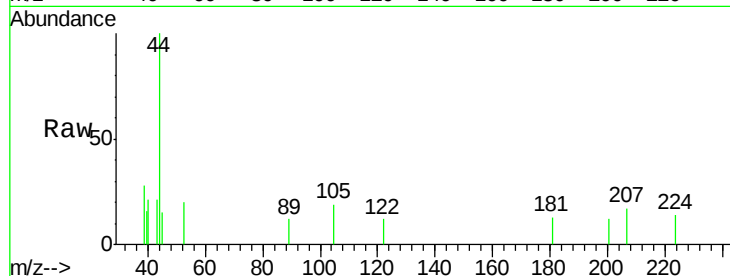




#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF059550.D
Acq: 19 Jul 2018 10:12

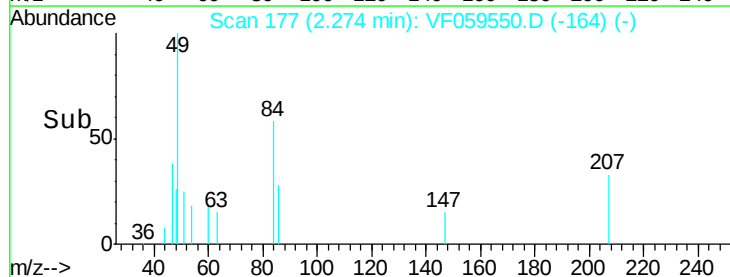
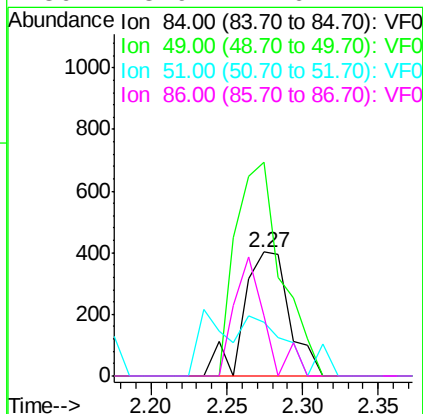
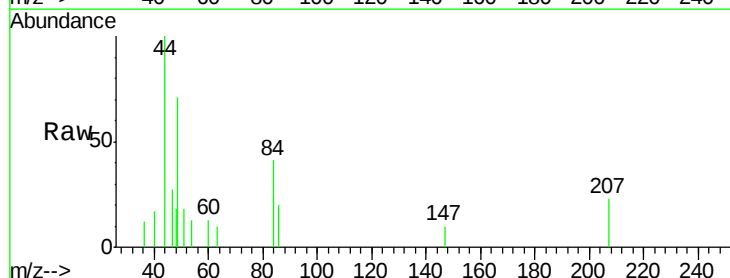
Instrument :
MSVOA_F
ClientSampleId :
MH-3

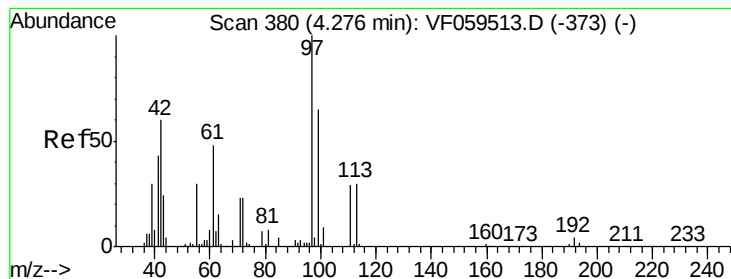
Tot Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#20
Methylene Chloride
Concen: 1.52 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059550.D
Acq: 19 Jul 2018 10:12

Tgt Ion: 84 Resp: 851
Ion Ratio Lower Upper
84 100
49 172.8 109.4 164.2#
51 43.6 30.5 45.7
86 48.9 47.6 71.4





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.28 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampleId :

MH-3

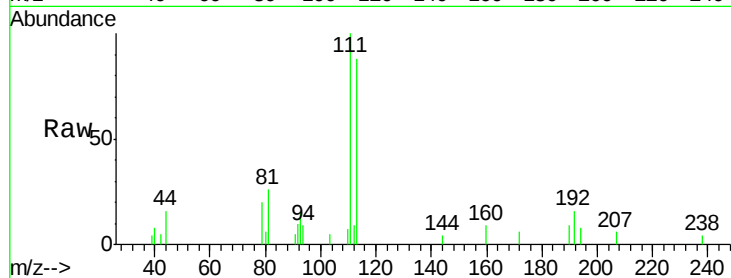
Tot Ion: 42 Resp: 137

Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 0.0 30.8 46.2#



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

4.28

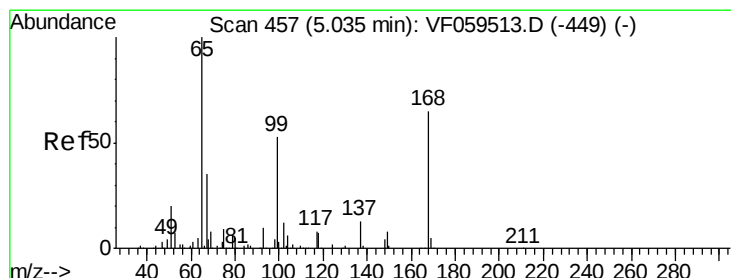
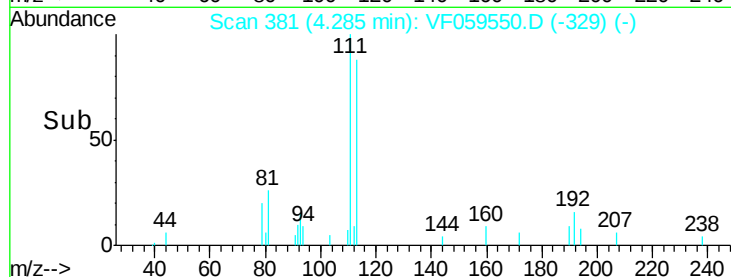
100

50

0

4.25 4.30

Time-->



#33

1,2-Dichloroethane-d4

Concen: 21.81 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF059550.D

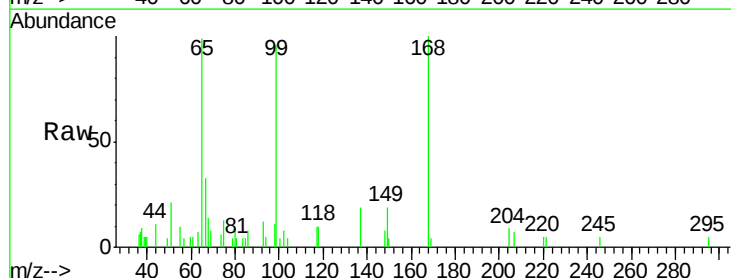
Acq: 19 Jul 2018 10:12

Tgt Ion: 65 Resp: 6903

Ion Ratio Lower Upper

65 100

67 33.4 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

3000

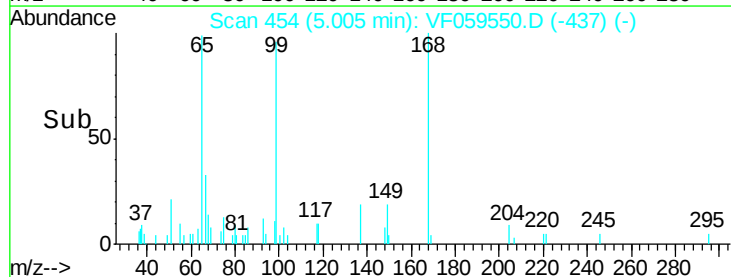
2000

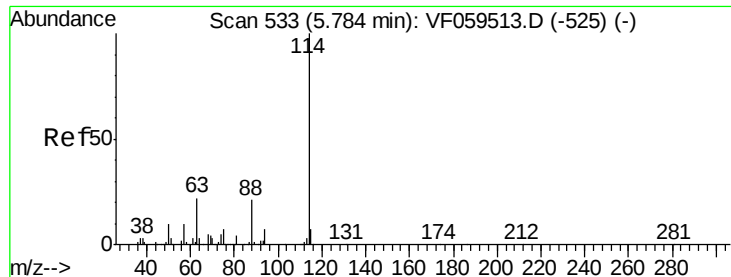
1000

0

4.90 5.00 5.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.03 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampled :

MH-3

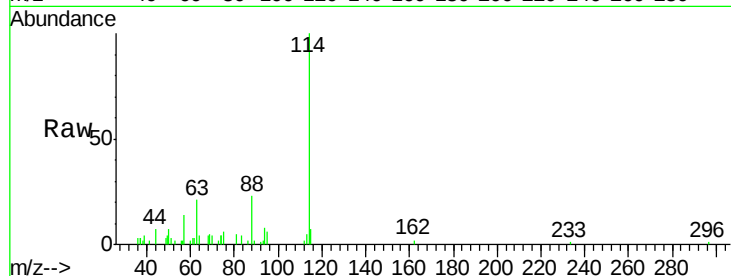
Tot Ion:114 Resp: 21737

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.8

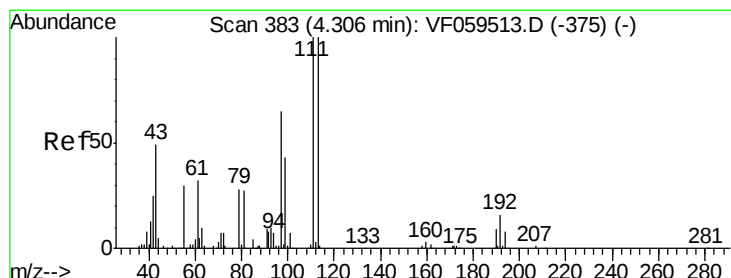
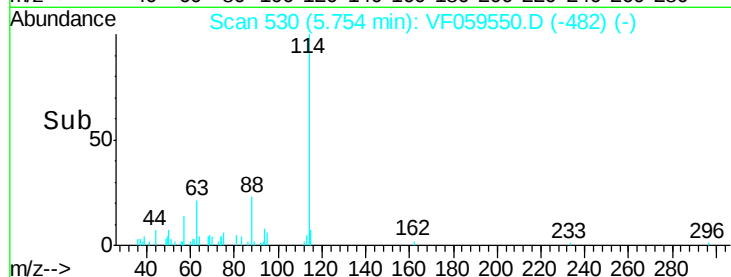
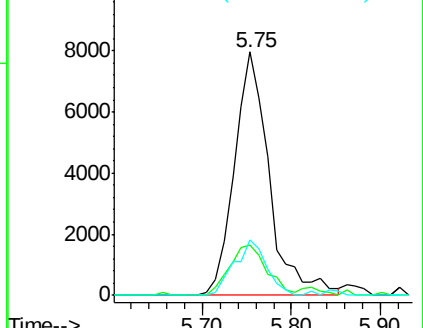
88 22.9 0.0 42.6



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: 41.66 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.04 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

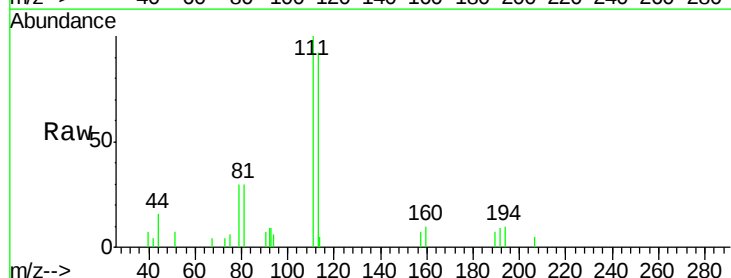
Tgt Ion:113 Resp: 7842

Ion Ratio Lower Upper

113 100

111 108.2 80.3 120.5

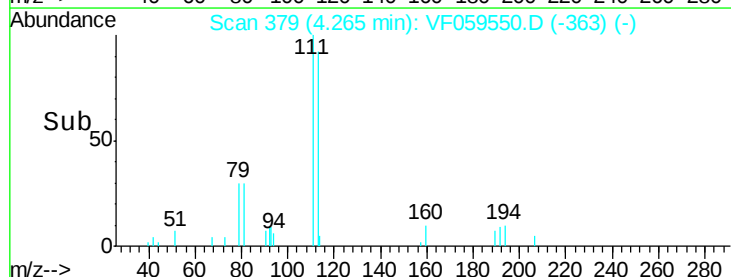
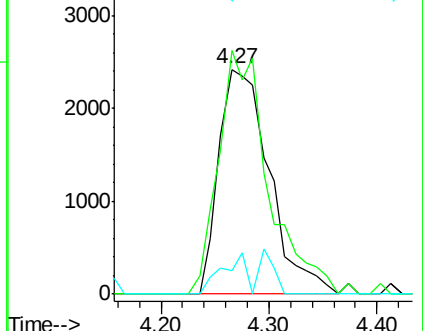
192 10.2 13.1 19.7#

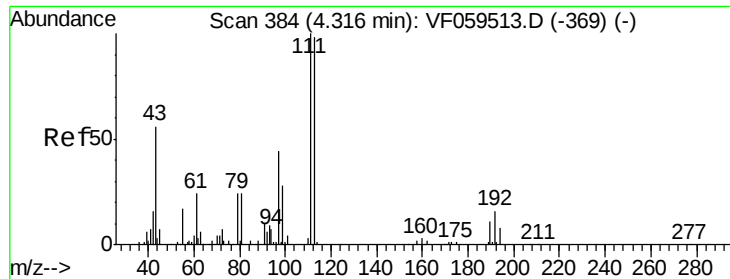


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampleId :

MH-3

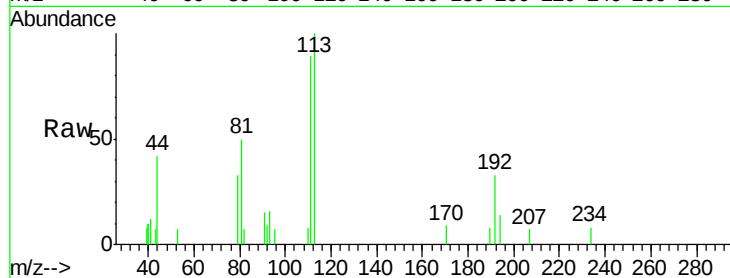
Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

61 0.0 33.7 50.5#

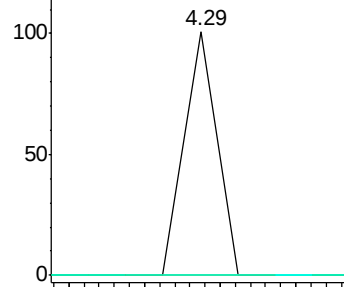
70 0.0 7.4 11.0#



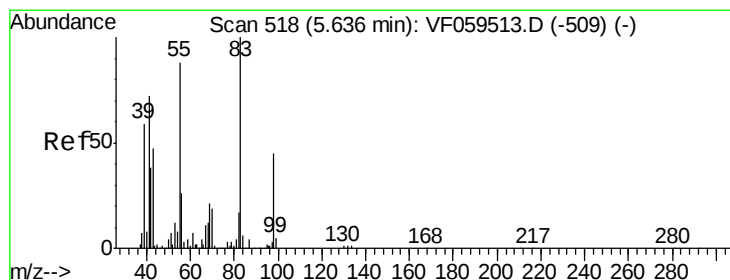
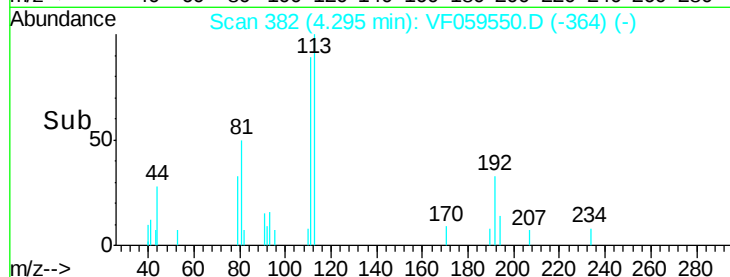
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#39

Methylcyclohexane

Concen: 4.12 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.12 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

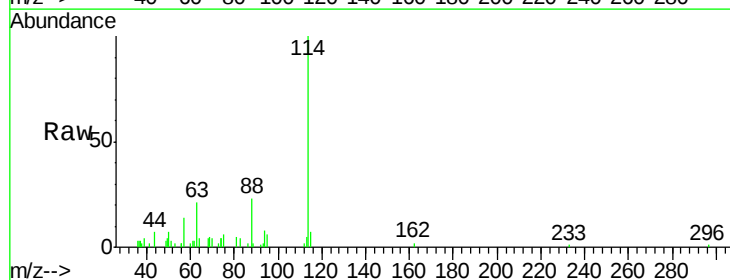
Tgt Ion: 83 Resp: 680

Ion Ratio Lower Upper

83 100

55 56.9 70.2 105.4#

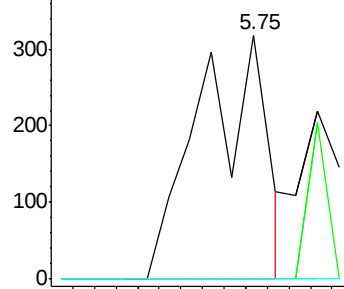
98 0.0 36.2 54.2#



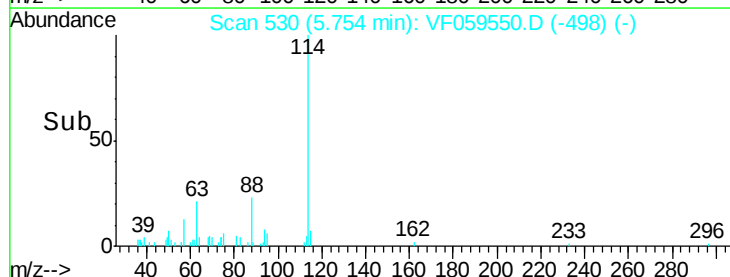
Abundance Ion 83.00 (82.70 to 83.70): VF0

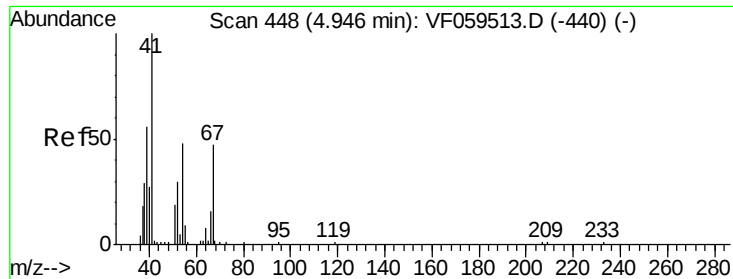
Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->





#41

Methacrylonitrile

Concen: 2.63 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampled :

MH-3

Tot Ion: 41 Resp: 164

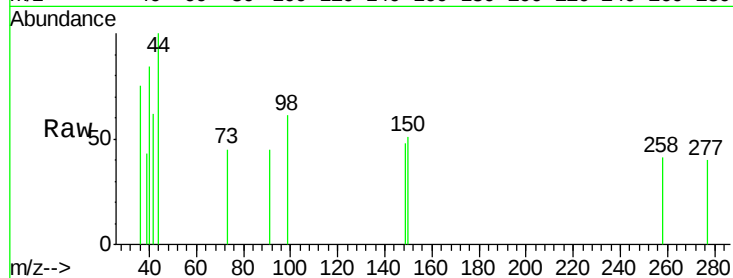
Ion Ratio Lower Upper

41 100

39 68.6 49.4 74.0

67 0.0 37.4 56.2#

52 0.0 32.1 48.1#

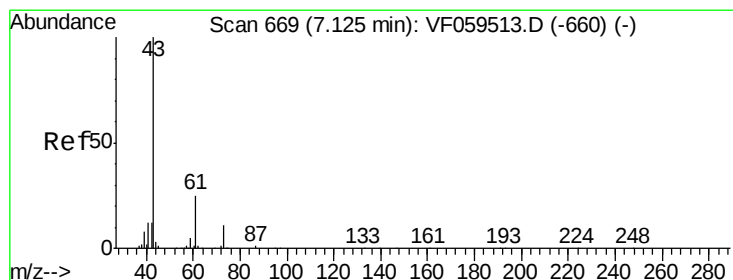
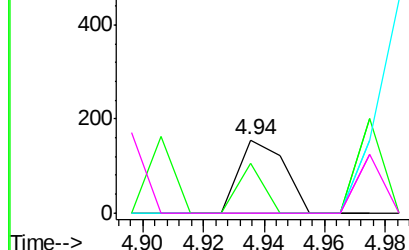
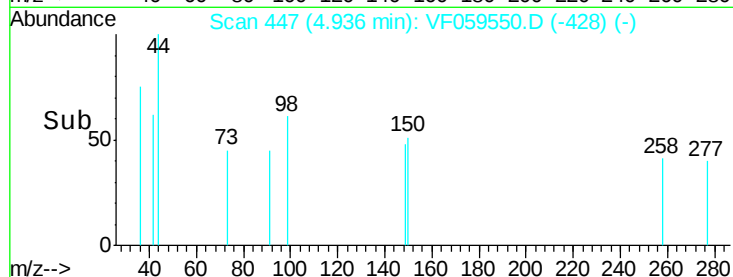


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#43

Isopropyl Acetate

Concen: 1.20 ug/l

RT: 7.08 min Scan# 665

Delta R.T. -0.04 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

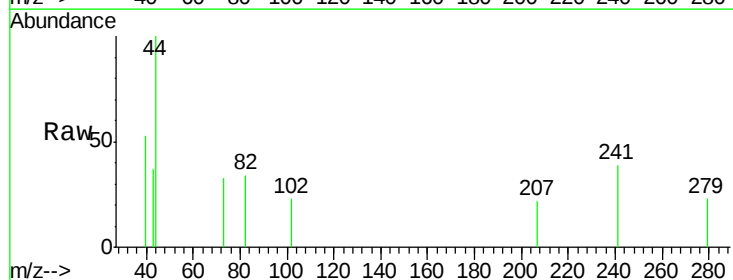
Tgt Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

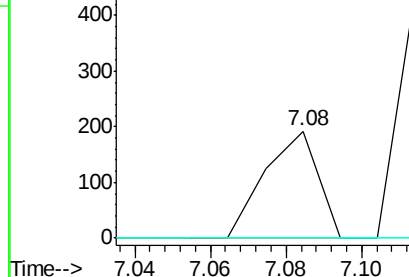
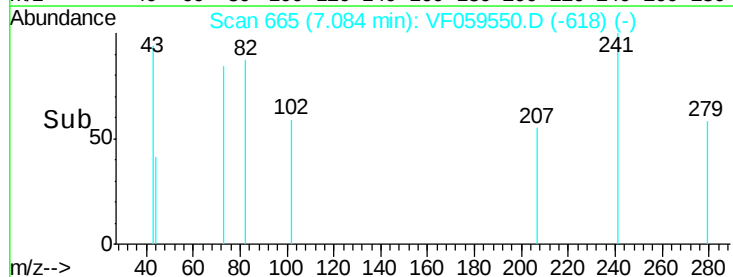
87 0.0 0.4 0.6#

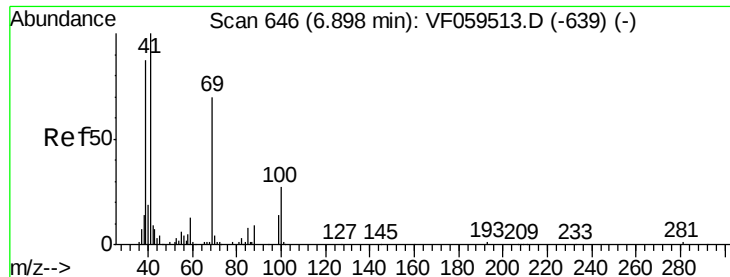


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#49

1,4-Dioxane

Concen: 118.12 ug/l

RT: 6.75 min Scan# 631

Delta R.T. -0.15 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampleId :

MH-3

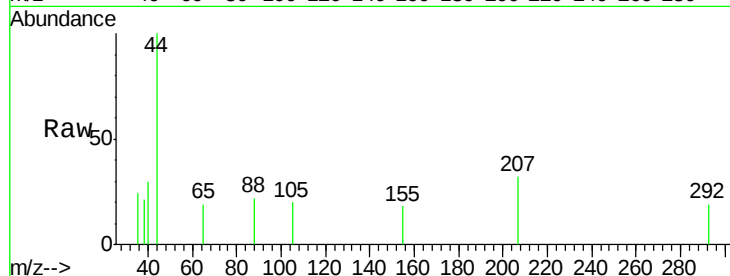
Tot Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 0.0 64.8 97.2#

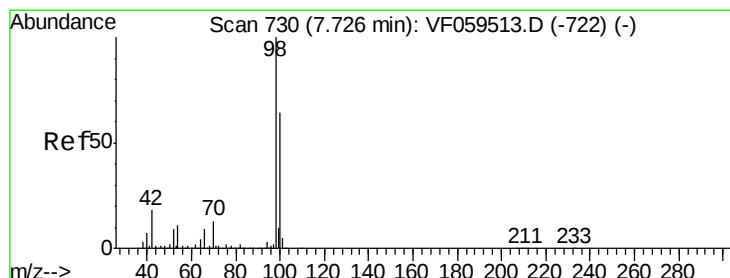
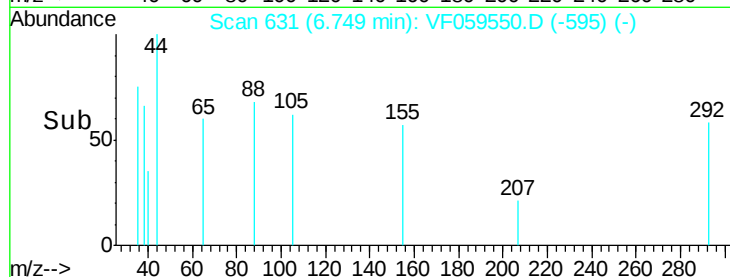
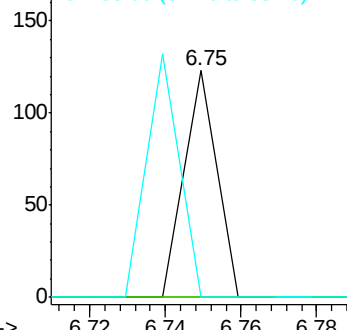
58 0.0 44.1 66.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 44.95 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF059550.D

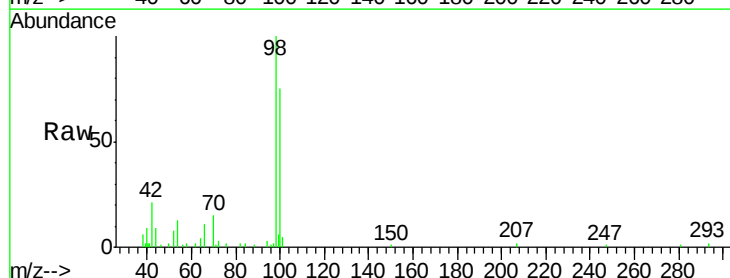
Acq: 19 Jul 2018 10:12

Tgt Ion: 98 Resp: 21316

Ion Ratio Lower Upper

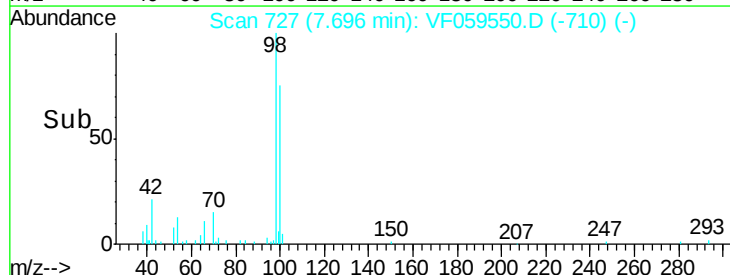
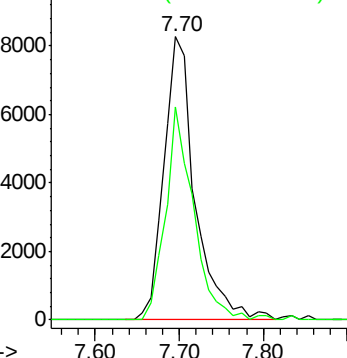
98 100

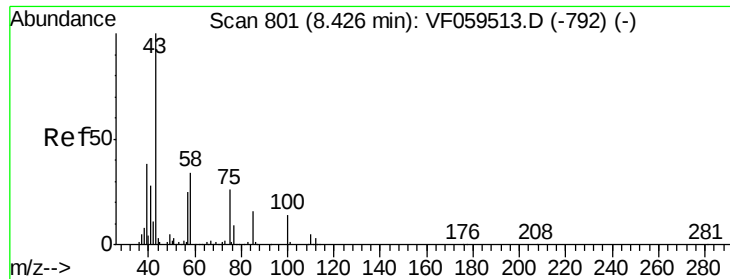
100 75.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.35 ug/l

RT: 8.33 min Scan# 791

Delta R.T. -0.10 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampled :

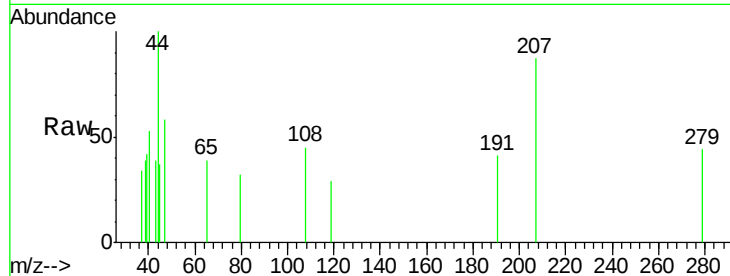
MH-3

Tot Ion: 43 Resp: 150

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.33

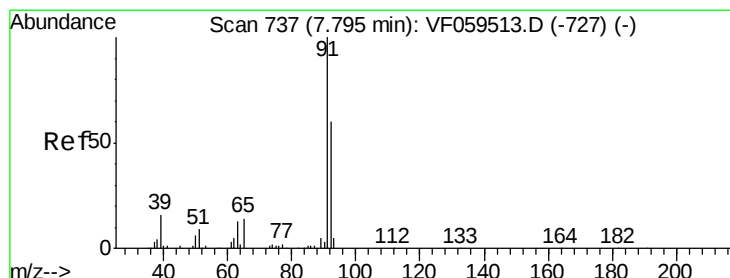
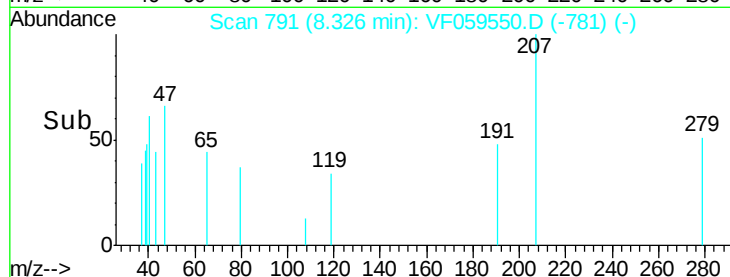
150

100

50

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 6.39 ug/l

RT: 7.84 min Scan# 742

Delta R.T. 0.05 min

Lab File: VF059550.D

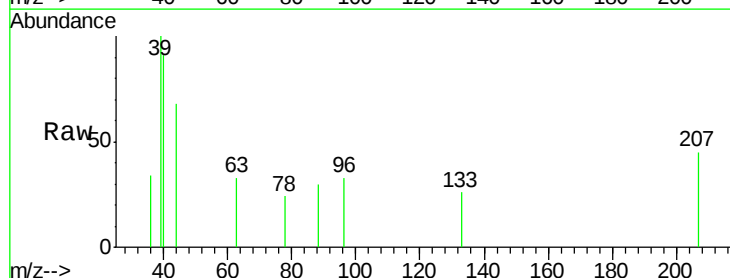
Acq: 19 Jul 2018 10:12

Tgt Ion: 63 Resp: 83

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.84

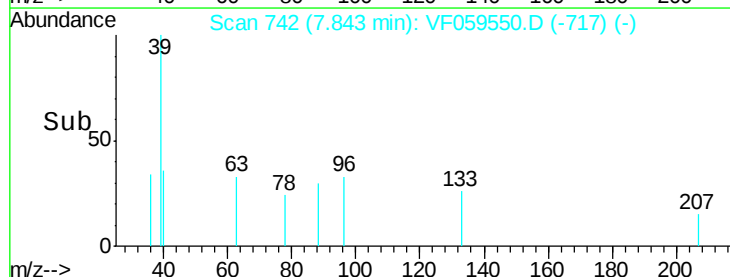
150

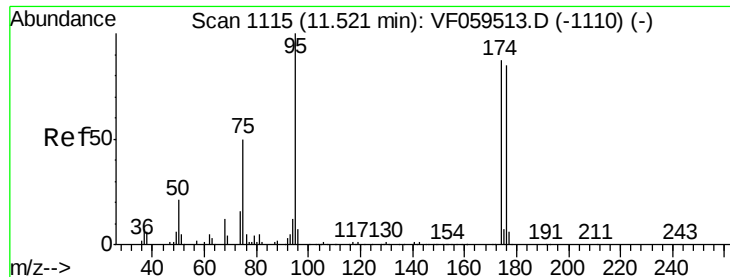
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 27.18 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampled :

MH-3

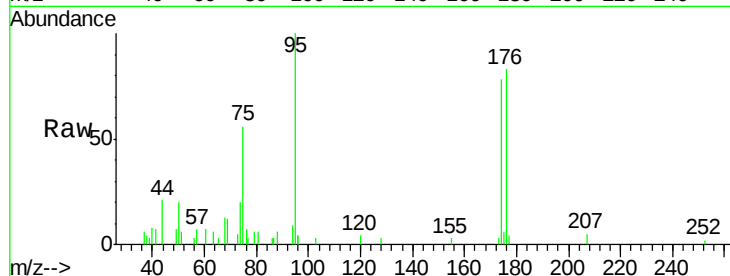
Tot Ion: 95 Resp: 6762

Ion Ratio Lower Upper

95 100

174 74.9 0.0 174.4

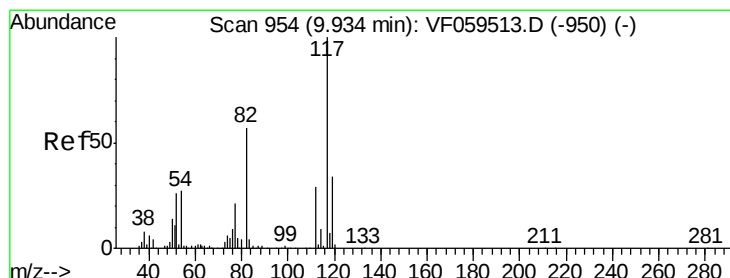
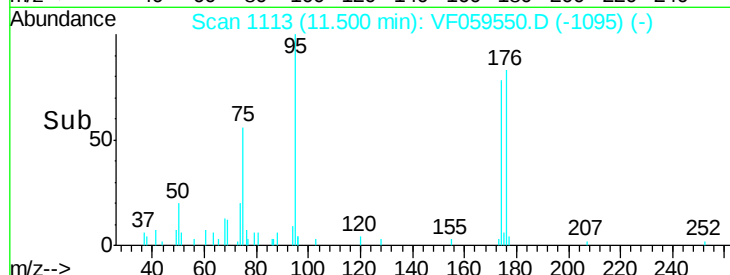
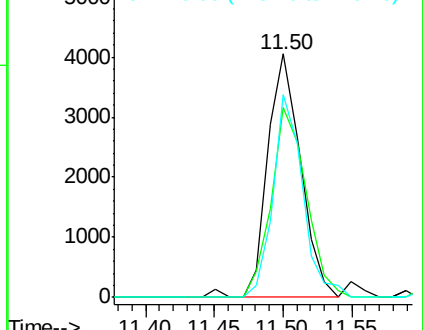
176 80.2 0.0 169.4



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: 50.00 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.03 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

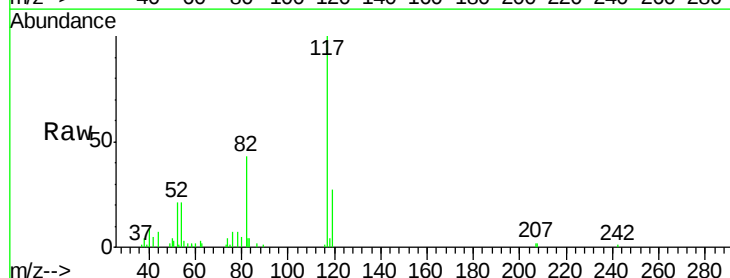
Tgt Ion: 117 Resp: 16766

Ion Ratio Lower Upper

117 100

82 43.3 46.1 69.1#

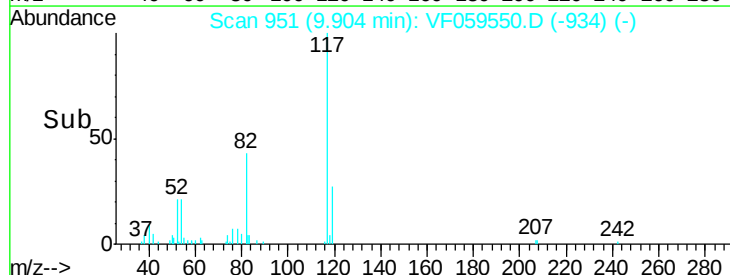
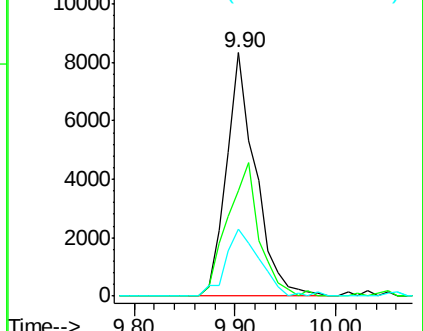
119 27.5 27.2 40.8

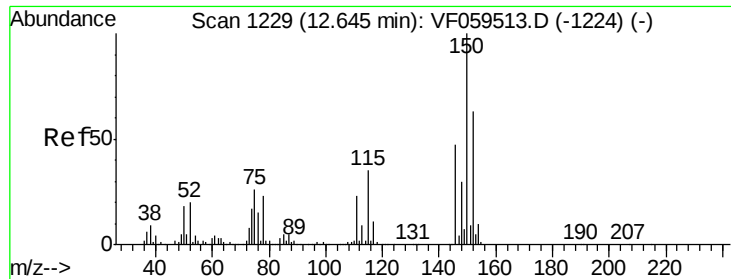


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



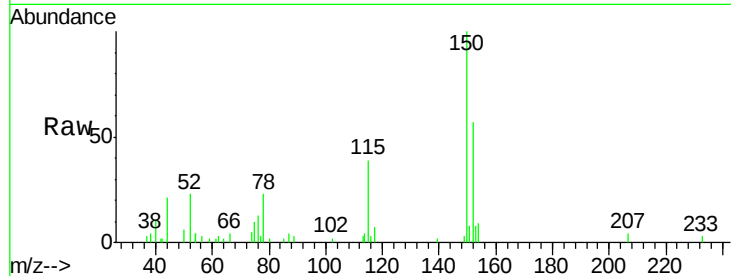


#72

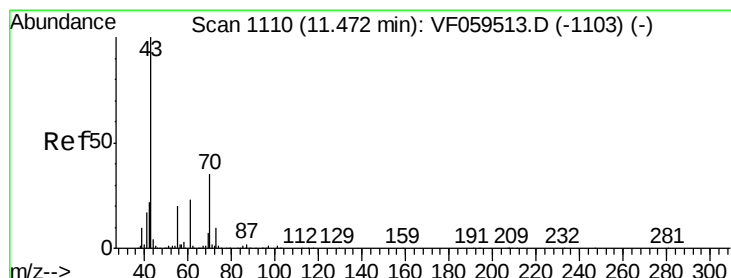
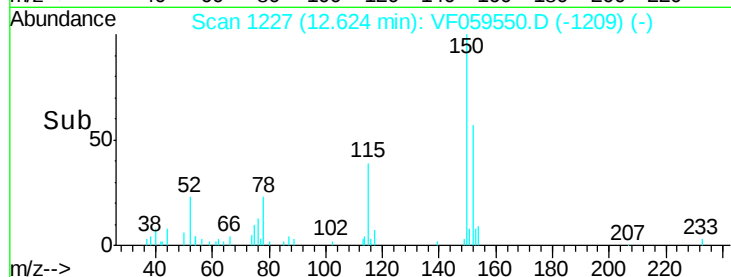
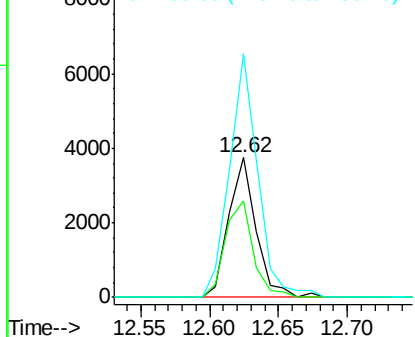
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059550.D
Acq: 19 Jul 2018 10:12

Instrument :
MSVOA_F
ClientSampled :
MH-3

Tot Ion:152 Resp: 5176
Ion Ratio Lower Upper
152 100
115 68.8 27.8 83.3
150 174.6 0.0 318.4



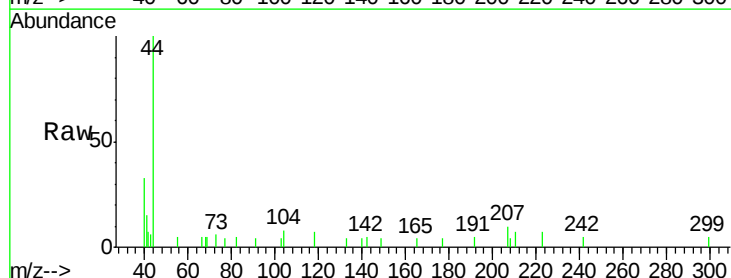
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



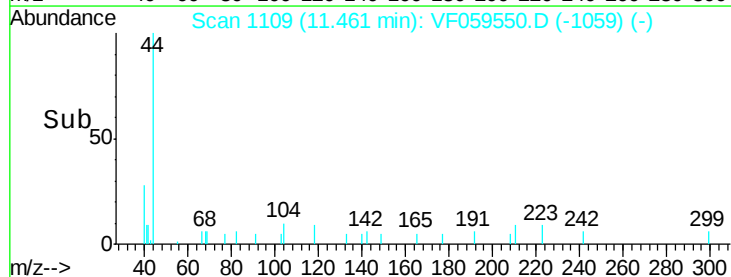
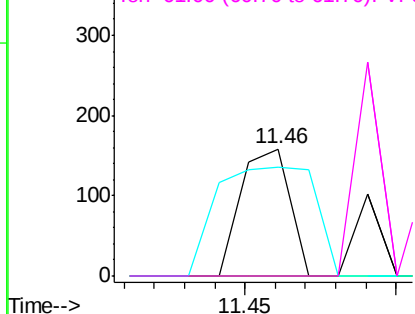
#74

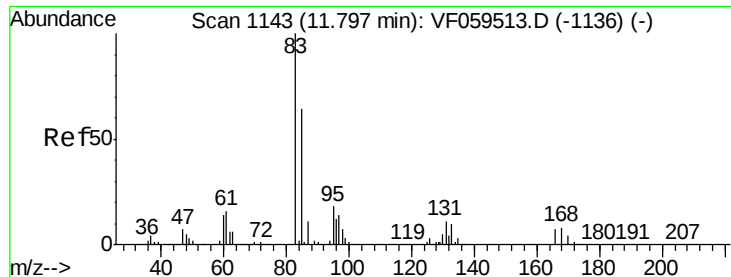
N-ethyl acetate
Concen: 1.69 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VF059550.D
Acq: 19 Jul 2018 10:12

Tgt Ion: 43 Resp: 177
Ion Ratio Lower Upper
43 100
70 0.0 27.9 41.9#
55 85.4 16.2 24.2#
61 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 70.00 (69.70 to 70.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.13 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.03 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampleId :

MH-3

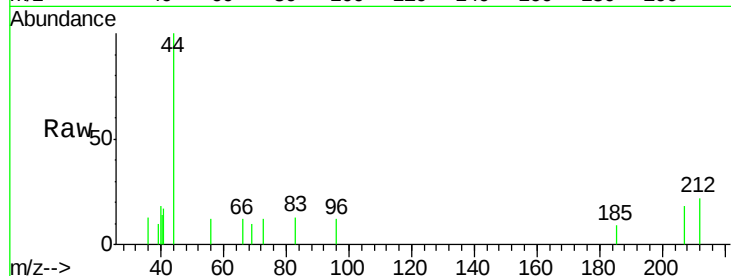
Tot Ion: 83 Resp: 152

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

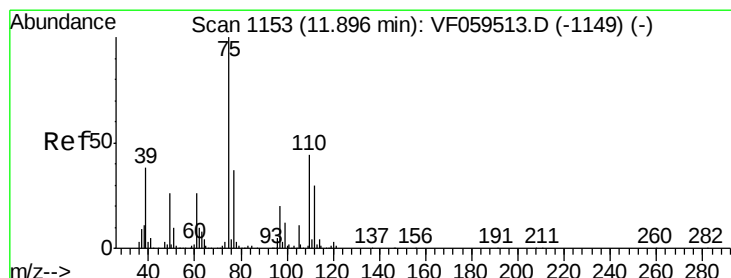
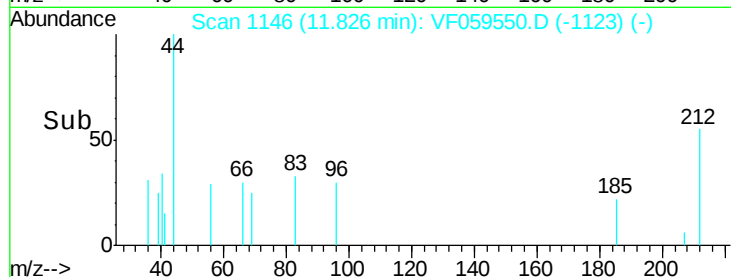
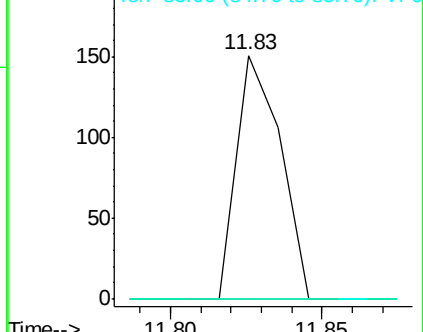
85 0.0 31.9 95.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 1.03 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF059550.D

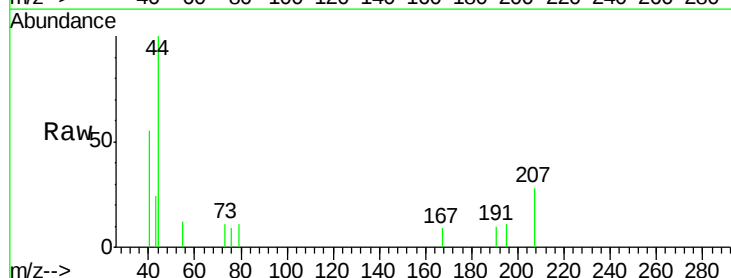
Acq: 19 Jul 2018 10:12

Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

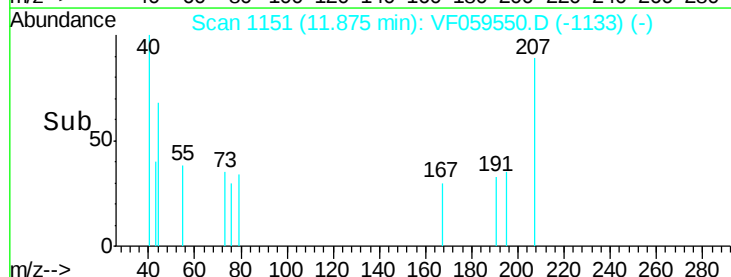
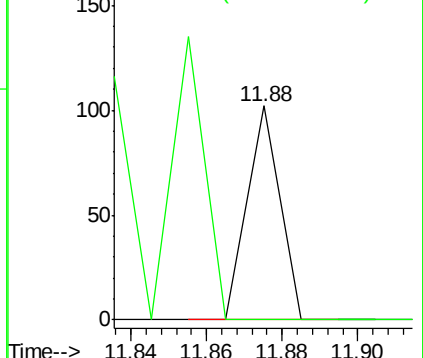
75 100

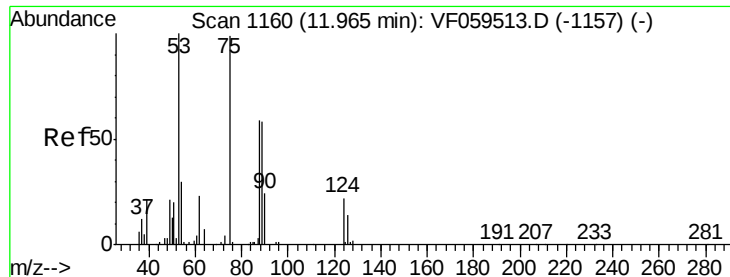
77 0.0 18.7 56.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#81

trans-1,4-Dichloro-2-butene

Concen: 2.30 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. 0.04 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampleId :

MH-3

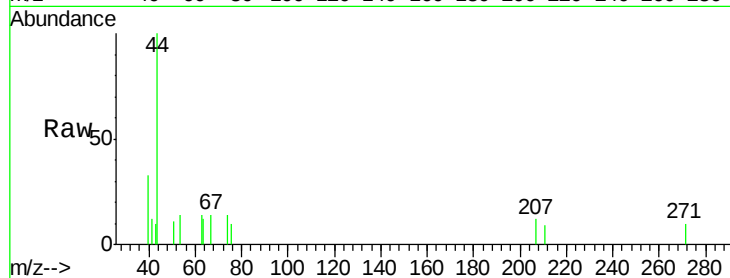
Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

53 144.7 84.6 127.0#

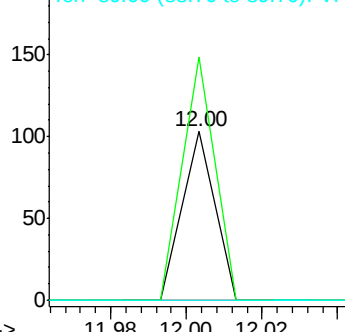
89 0.0 48.2 72.4#



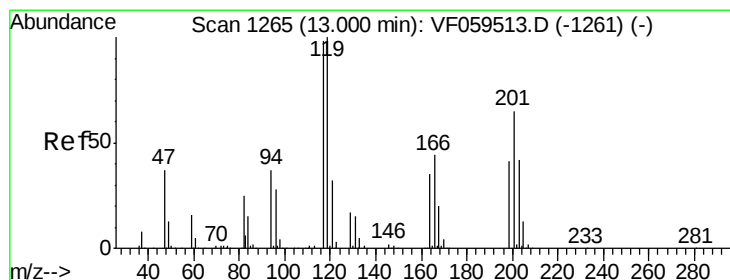
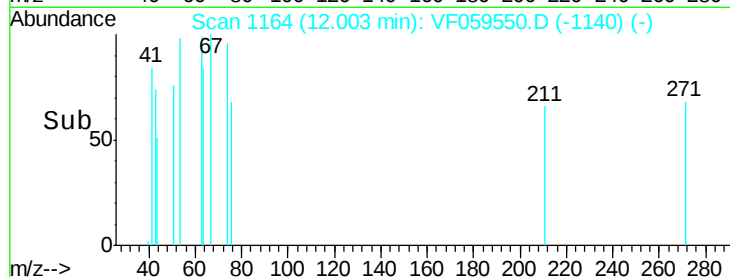
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#90

Hexachloroethane

Concen: 1.38 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. -0.14 min

Lab File: VF059550.D

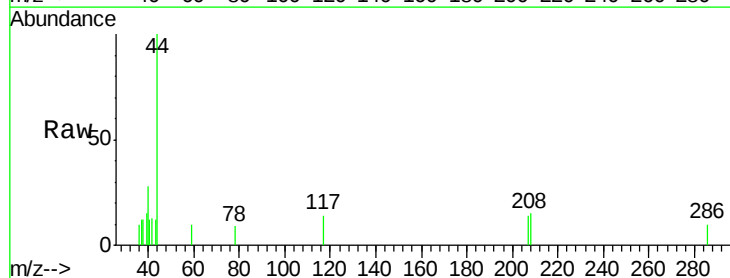
Acq: 19 Jul 2018 10:12

Tgt Ion: 117 Resp: 91

Ion Ratio Lower Upper

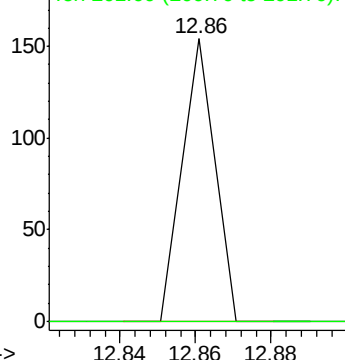
117 100

201 0.0 32.6 98.0#

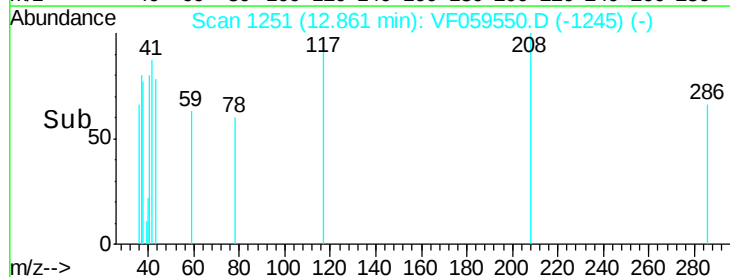


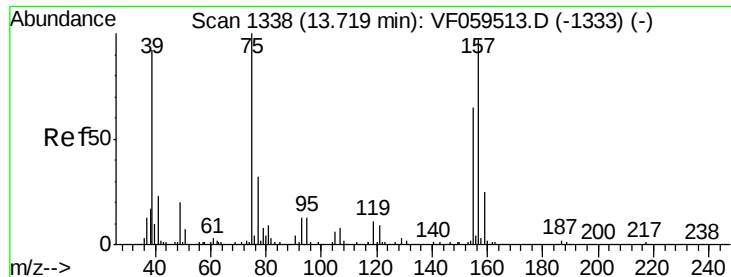
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.72 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VF059550.D

Acq: 19 Jul 2018 10:12

Instrument :

MSVOA_F

ClientSampleId :

MH-3

Tot Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 102.0 32.8 98.3#

157 0.0 48.5 145.5#

