

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059558.D
 Acq On : 19 Jul 2018 14:00
 Operator : VA/AP
 Sample : J4030-13
 Misc : 4.10µ/5mL/MSVOA F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB9-10

Quant Time: Jul 19 14:43:19 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	5.05	168	61	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.22	114	65	50.00	ug/l	0.43
63) Chlorobenzene-d5	10.69	117	67	50.00	ug/l	0.76
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.64

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.93	65	66	69.57	ug/l	-0.11
Spiked Amount	50.000		Recovery	=	139.14%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	8.35	98	66	46.54	ug/l	0.62
Spiked Amount	50.000		Recovery	=	93.08%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.08	85	70	93.66	ug/l #	41
3) Chloromethane	1.08	50	447	1086.98	ug/l #	44
4) Vinyl Chloride	1.19	62	93	224.13	ug/l #	43
5) Bromomethane	1.43	94	75	260.81	ug/l #	3
6) Chloroethane	1.59	64	73	348.90	ug/l #	46
8) Diethyl Ether	1.82	74	63	322.40	ug/l #	1
11) Tert butyl alcohol	2.75	59	64	1678.57	ug/l #	74
12) 1,1-Dichloroethene	1.77	96	63	138.14	ug/l #	1
13) Acrolein	2.12	56	144	10743.41	ug/l #	12
14) Allyl chloride	2.18	41	250	439.25	ug/l #	1
15) Acrylonitrile	3.20	53	70	879.44	ug/l #	13
16) Acetone	2.29	43	97	738.40	ug/l #	64
17) Carbon Disulfide	1.86	76	102	87.28	ug/l #	74
18) Methyl Acetate	2.41	43	76	275.92	ug/l #	67
19) Methyl tert-butyl Ether	2.45	73	72	50.33	ug/l #	59
21) trans-1,2-Dichloroethene	2.35	96	67	158.89	ug/l #	1
22) Diisopropyl ether	2.93	45	99	61.89	ug/l #	37
23) Vinyl Acetate	3.38	43	144	154.06	ug/l #	84
24) 1,1-Dichloroethane	2.94	63	95	96.17	ug/l #	91
25) 2-Butanone	4.51	43	64	290.57	ug/l #	60
26) 2,2-Dichloropropane	3.70	77	94	143.83	ug/l #	62
28) Bromochloromethane	4.01	49	123	282.88	ug/l #	6
29) Tetrahydrofuran	4.23	42	101	1208.85	ug/l #	38
31) Cyclohexane	3.89	56	66	128.99	ug/l #	15
32) 1,1,1-Trichloroethane	4.33	97	70	75.48	ug/l #	21
36) 1,1-Dichloropropene	4.78	75	67	102.98	ug/l #	45
37) Ethyl Acetate	4.64	43	201	641.46	ug/l #	41
40) Benzene	5.20	78	60	47.54	ug/l #	51
41) Methacrylonitrile	5.31	41	66	353.74	ug/l #	27
42) 1,2-Dichloroethane	5.50	62	60	72.37	ug/l	85
43) Isopropyl Acetate	7.62	43	64	136.90	ug/l #	51
45) 1,2-Dichloropropane	7.01	63	62	176.97	ug/l #	42
46) Dibromomethane	6.78	93	70	219.41	ug/l #	3
47) Bromodichloromethane	6.92	83	131	159.51	ug/l #	25

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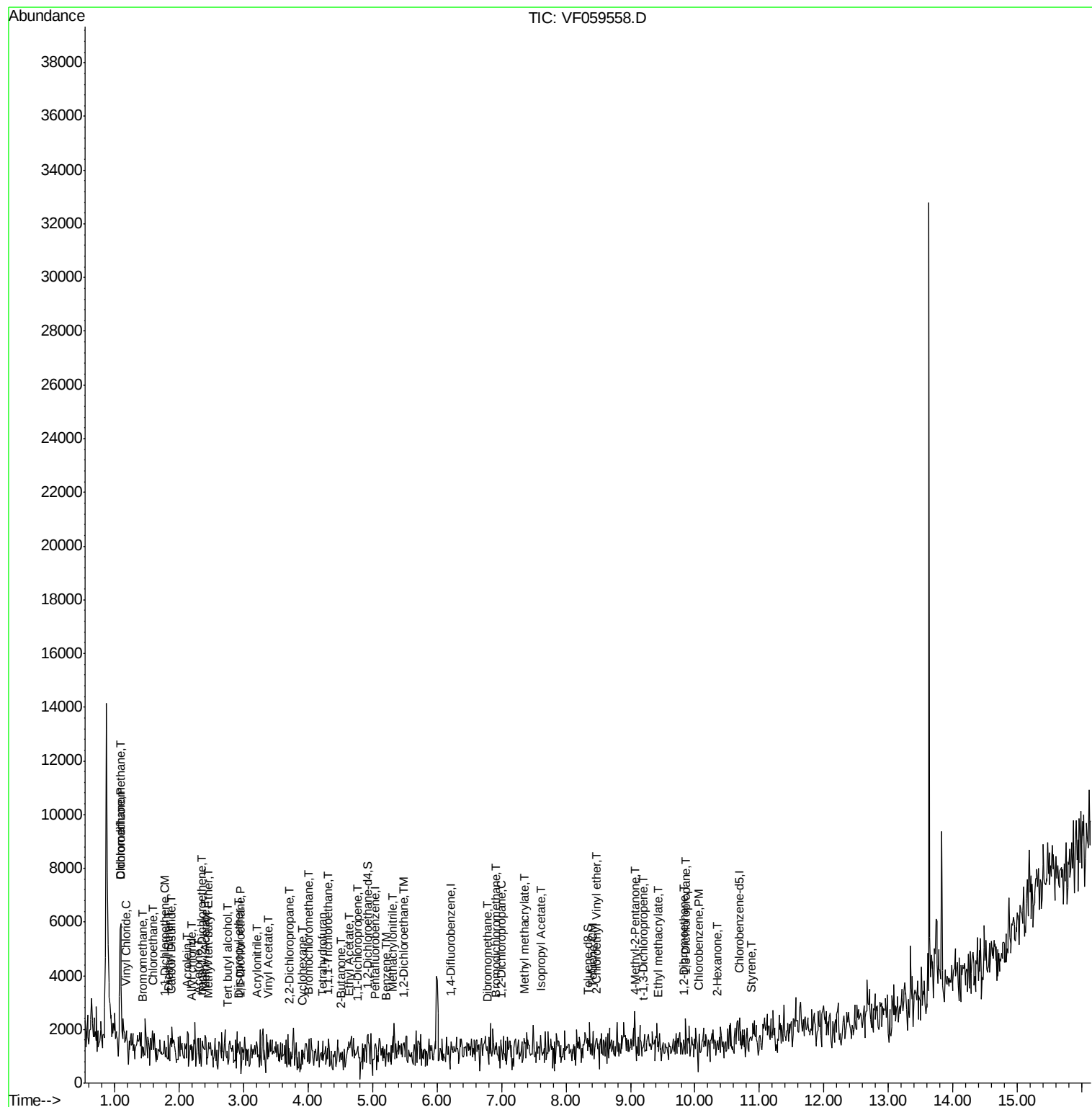
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Methyl methacrylate	7.36	41	79	236.61	ug/l #	60
49) 1,4-Dioxane	7.19	88	74	Below Cal	#	62
51) 4-Methyl-2-Pentanone	9.09	43	99	298.74	ug/l #	40
52) Toluene	8.41	92	67	73.19	ug/l #	1
53) t-1,3-Dichloropropene	9.19	75	77	101.93	ug/l #	43
56) Ethyl methacrylate	9.43	69	73	165.96	ug/l #	13
57) 1,3-Dichloropropane	9.86	76	82	130.75	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.49	63	76	1957.10	ug/l	100
59) 2-Hexanone	10.35	43	127	507.08	ug/l #	30
61) 1,2-Dibromoethane	9.83	107	68	154.51	ug/l #	2
65) Chlorobenzene	10.05	112	127	101.07	ug/l #	43
70) Styrene	10.87	104	64	49.53	ug/l #	26

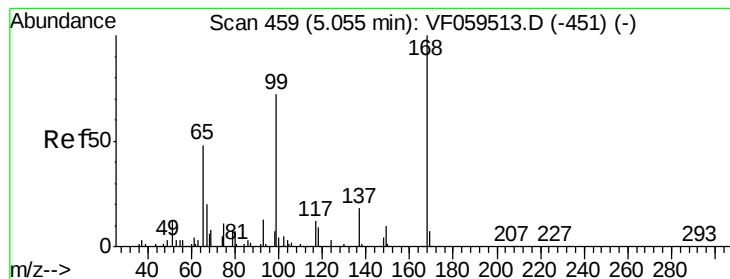
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

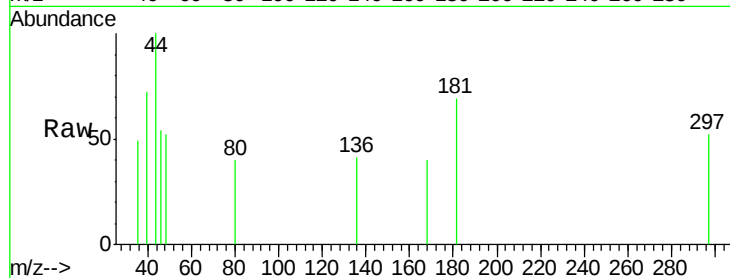
SB9-10

Tot Ion:168 Resp: 61

Ion Ratio Lower Upper

168 100

99 0.0 57.6 86.4#

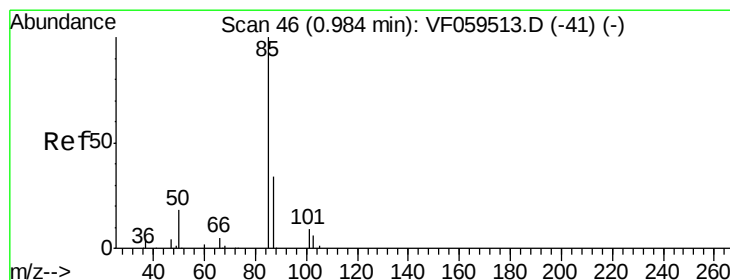
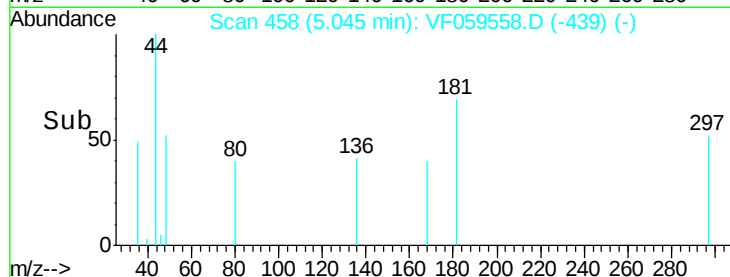


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 93.66 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.10 min

Lab File: VF059558.D

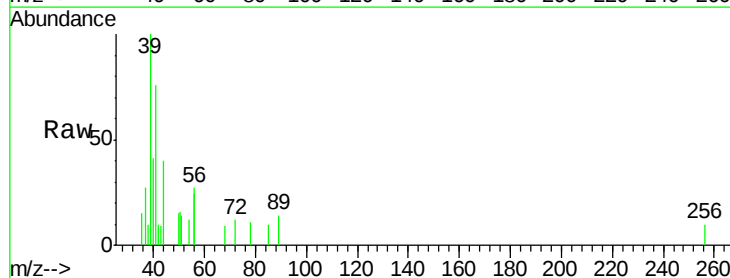
Acq: 19 Jul 2018 14:00

Tgt Ion: 85 Resp: 70

Ion Ratio Lower Upper

85 100

87 0.0 16.9 50.6#

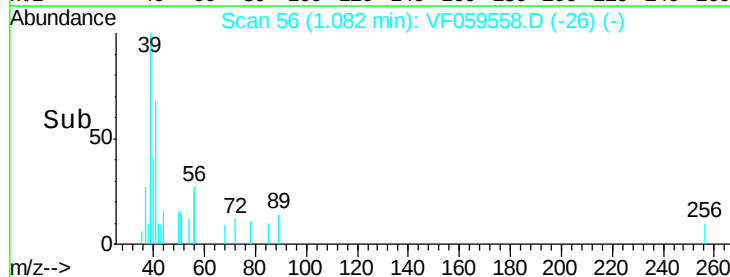


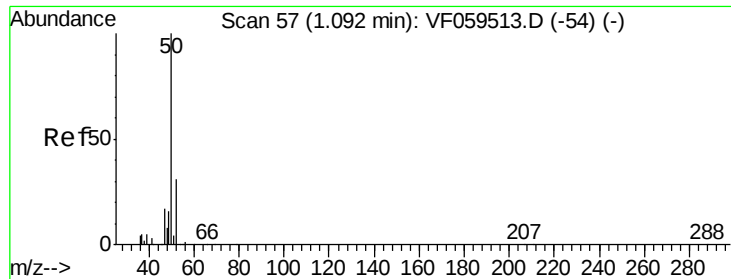
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.08

Time-->





#3

Chloromethane

Concen: 1086.98 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampled :

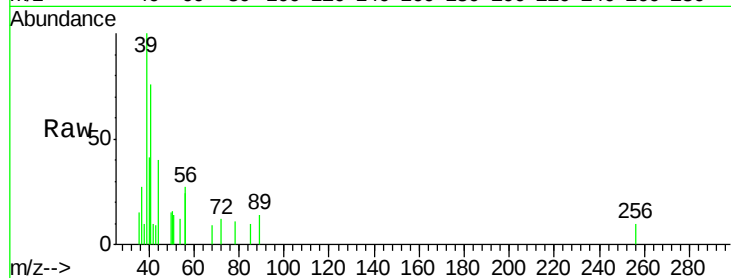
SB9-10

Tot Ion: 50 Resp: 447

Ion Ratio Lower Upper

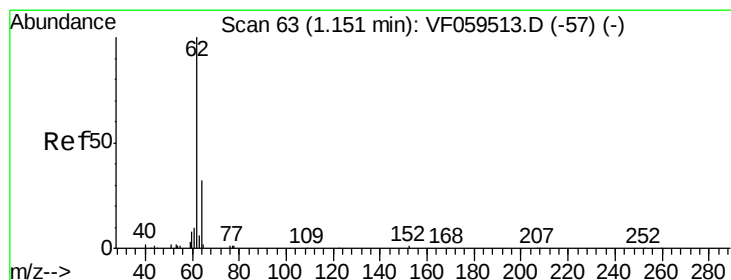
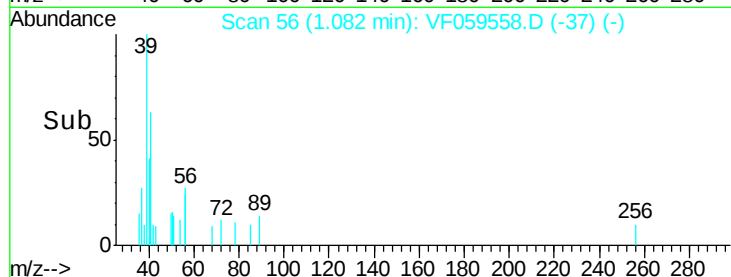
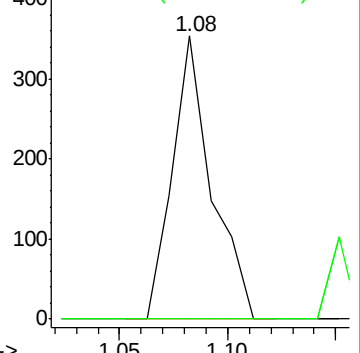
50 100

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



#4

Vinyl Chloride

Concen: 224.13 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.04 min

Lab File: VF059558.D

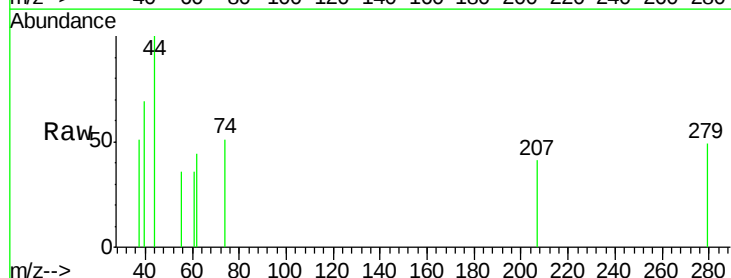
Acq: 19 Jul 2018 14:00

Tgt Ion: 62 Resp: 93

Ion Ratio Lower Upper

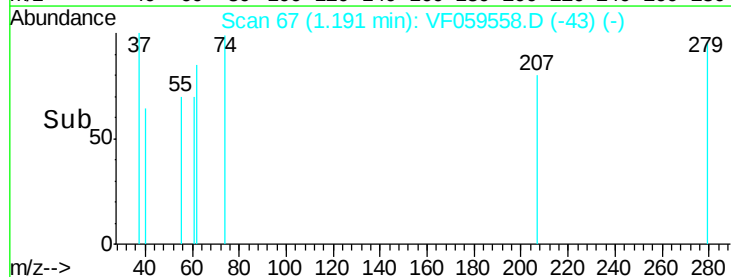
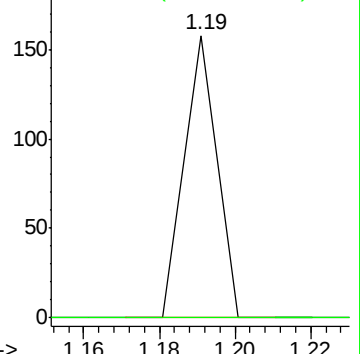
62 100

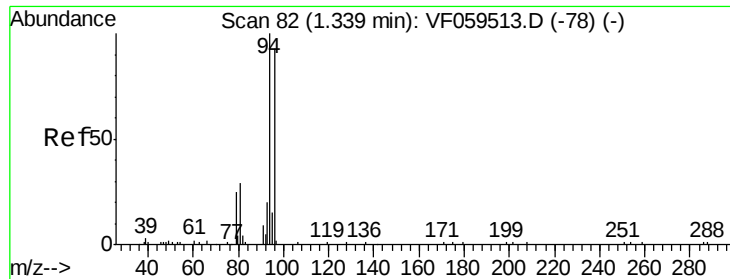
64 0.0 25.7 38.5#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 260.81 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.09 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

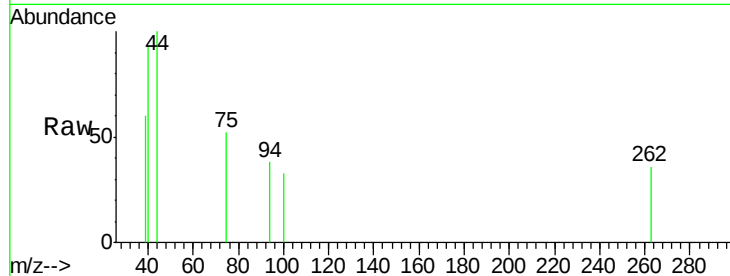
SB9-10

Tot Ion: 94 Resp: 75

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

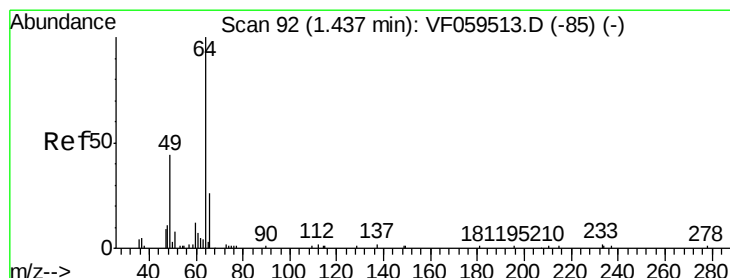
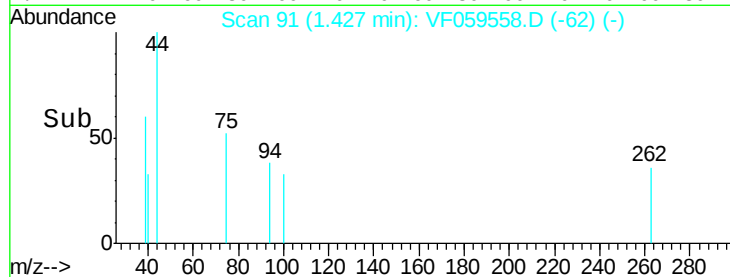
1.43

100

50

0

Time-->



#6

Chloroethane

Concen: 348.90 ug/l

RT: 1.59 min Scan# 107

Delta R.T. 0.15 min

Lab File: VF059558.D

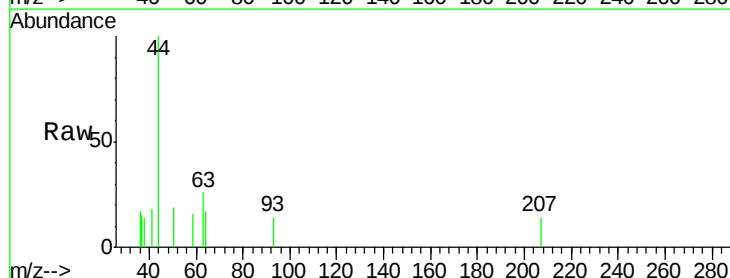
Acq: 19 Jul 2018 14:00

Tgt Ion: 64 Resp: 73

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

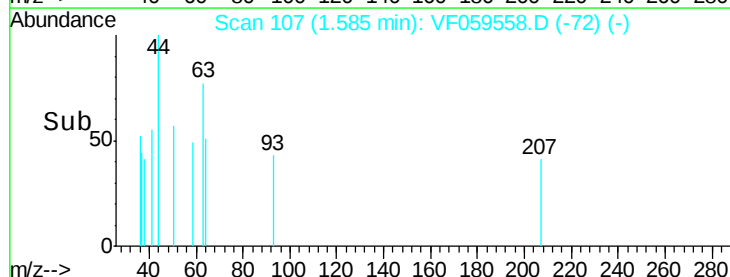
1.59

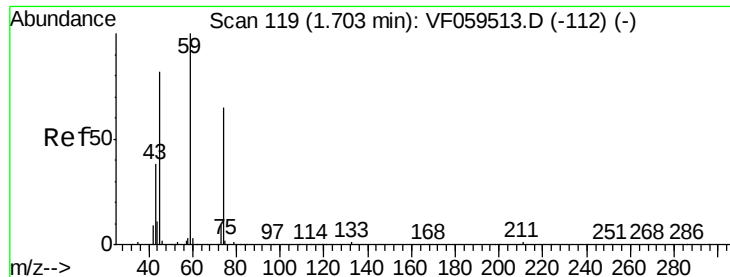
100

50

0

Time-->





#8

Diethyl Ether

Concen: 322.40 ug/l

RT: 1.82 min Scan# 131

Delta R.T. 0.12 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

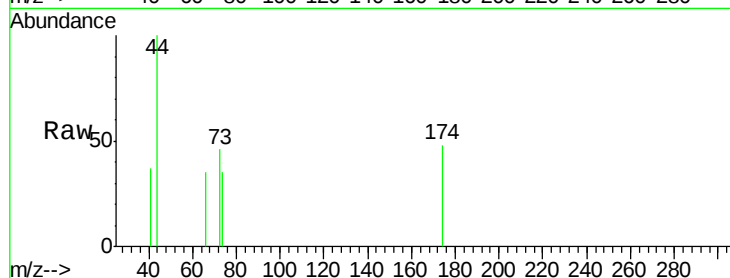
SB9-10

Tot Ion: 74 Resp: 63

Ion Ratio Lower Upper

74 100

45 0.0 63.6 190.9#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.82

100

80

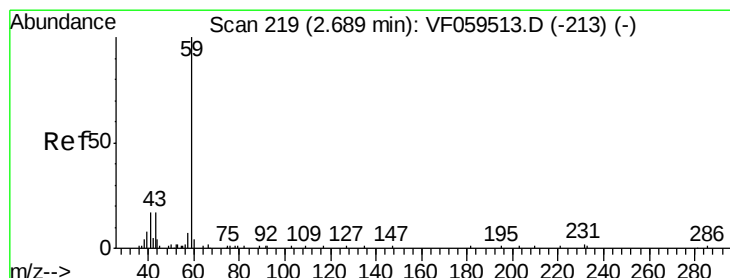
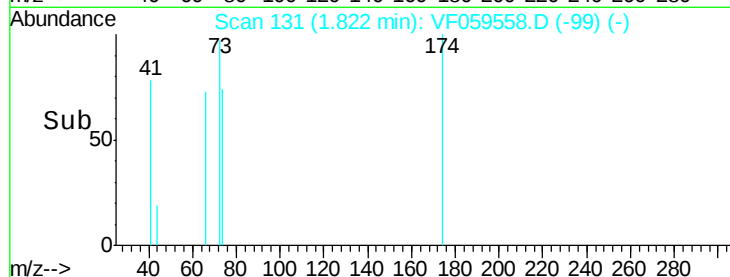
60

40

20

0

Time-->



#11

Tert butyl alcohol

Concen: 1678.57 ug/l

RT: 2.75 min Scan# 225

Delta R.T. 0.06 min

Lab File: VF059558.D

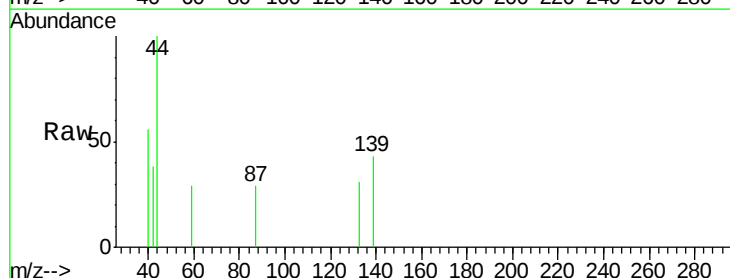
Acq: 19 Jul 2018 14:00

Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

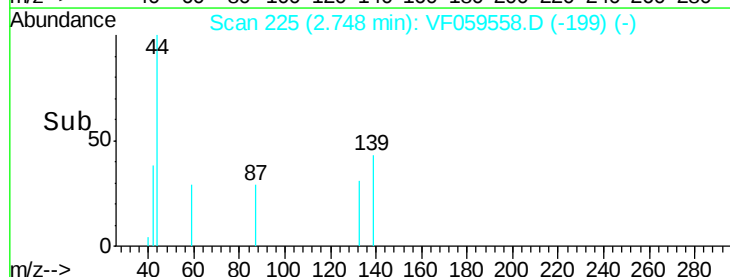
2.75

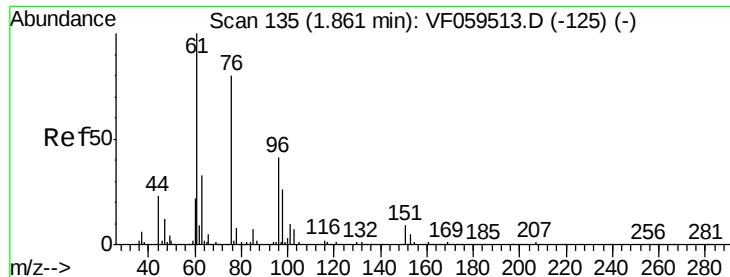
100

50

0

Time-->





#12

1,1-Dichloroethene

Concen: 138.14 ug/l

RT: 1.77 min Scan# 126

Delta R.T. -0.09 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampled :

SB9-10

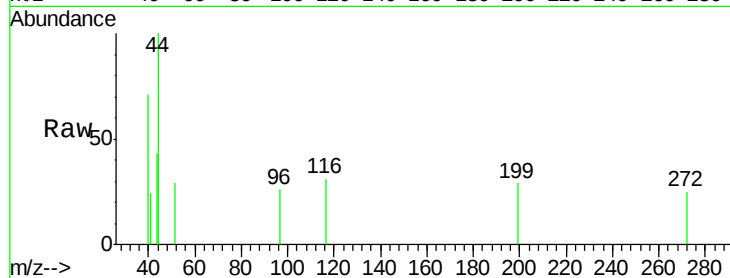
Tot Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 194.3 291.5#

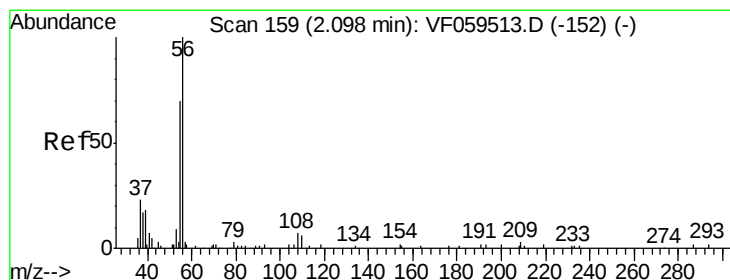
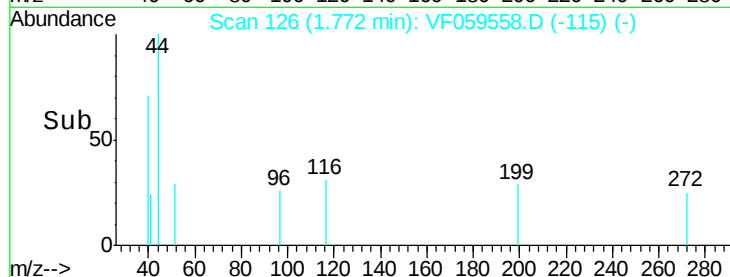
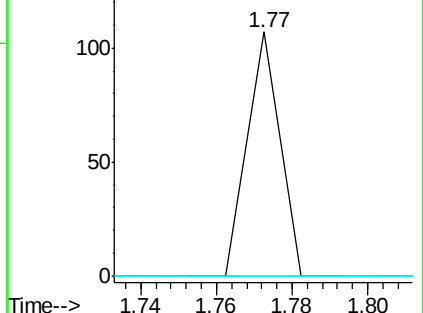
98 0.0 50.3 75.5#



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



#13

Acrolein

Concen: 10743.41 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.02 min

Lab File: VF059558.D

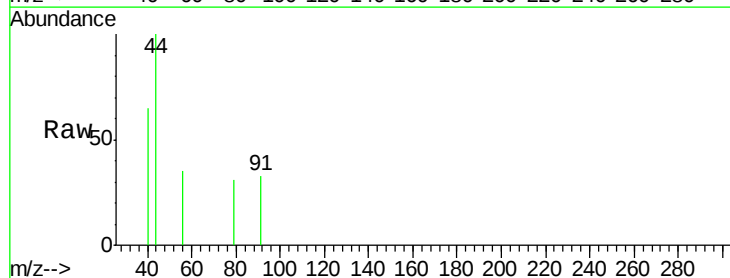
Acq: 19 Jul 2018 14:00

Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

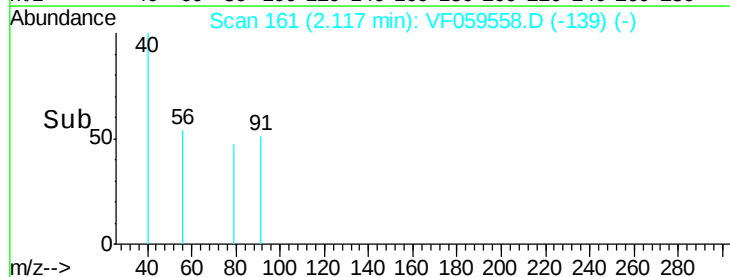
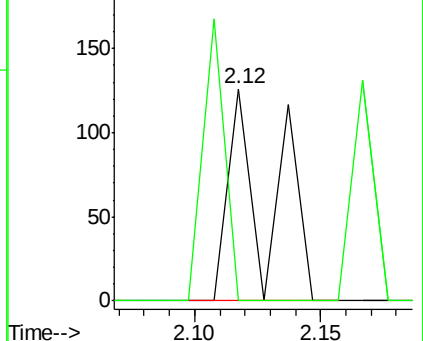
56 100

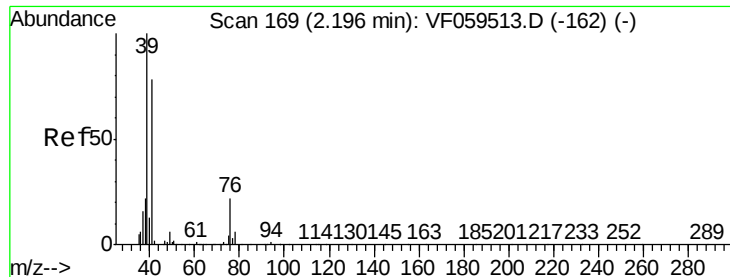
55 0.0 59.4 89.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

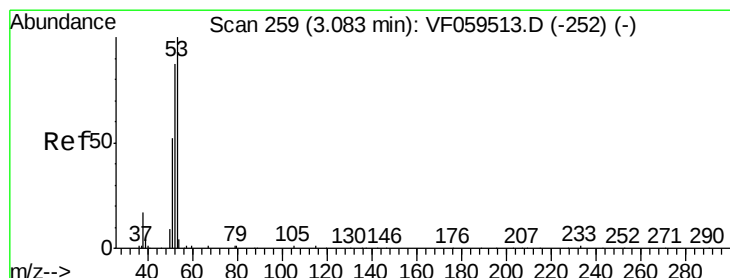
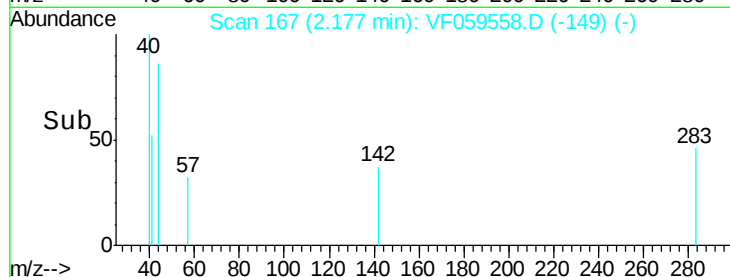
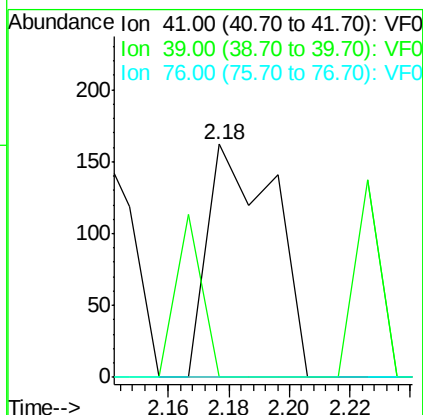
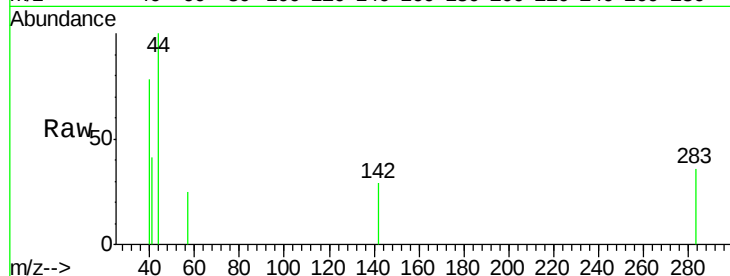




#14
Allvl chloride
Concen: 439.25 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.02 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

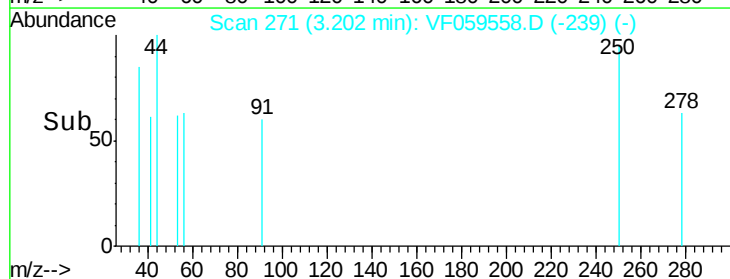
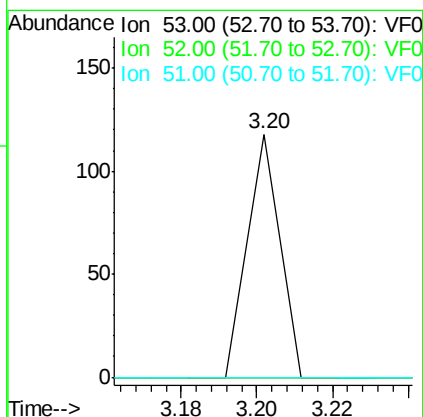
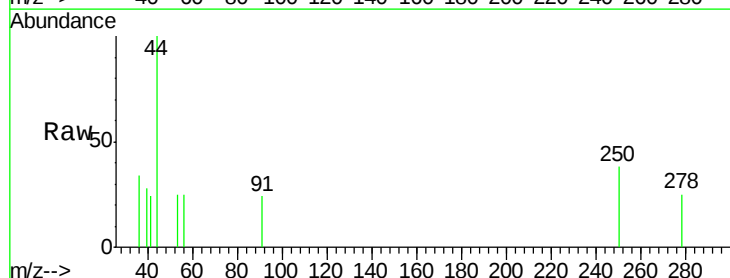
Instrument :
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SB9-10

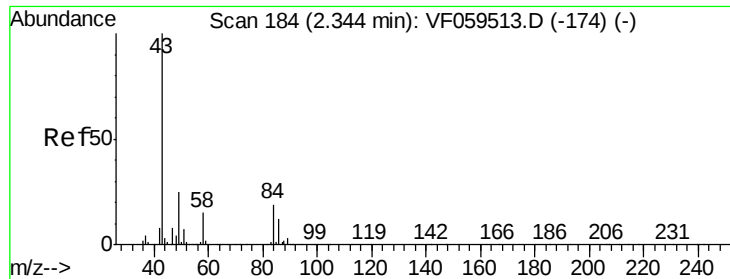
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	103.0	154.4#
76	0.0	22.6	34.0#



#15
Acrylonitrile
Concen: 879.44 ug/l
RT: 3.20 min Scan# 271
Delta R.T. 0.12 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Tgt Ion	Ratio	Lower	Upper
53	100		
52	0.0	70.1	105.1#
51	0.0	42.5	63.7#





#16

Acetone

Concen: 738.40 ug/l

RT: 2.29 min Scan# 178

Delta R.T. -0.06 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampled :

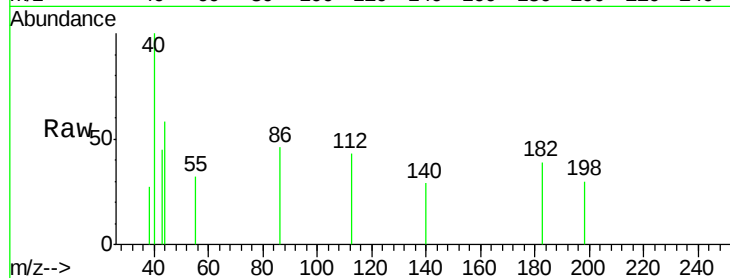
SB9-10

Tot Ion: 43 Resp: 97

Ion Ratio Lower Upper

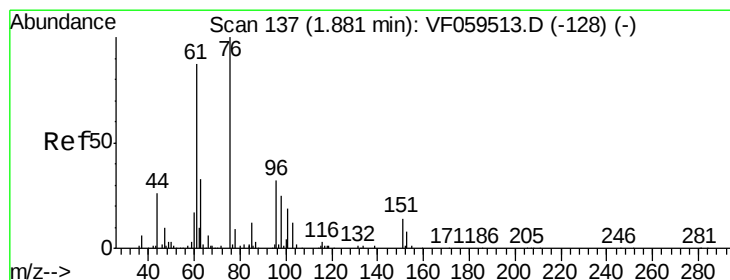
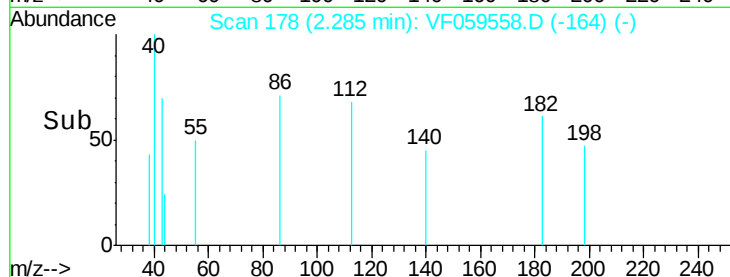
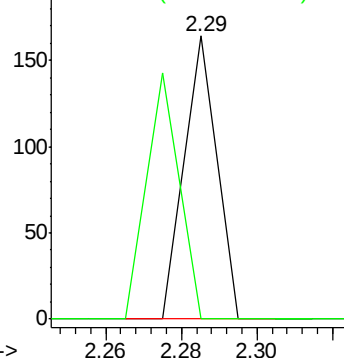
43 100

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



#17

Carbon Disulfide

Concen: 87.28 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.02 min

Lab File: VF059558.D

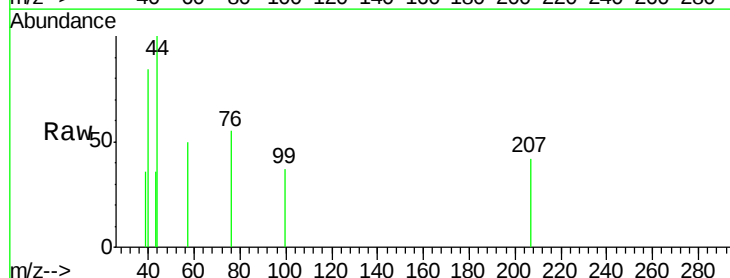
Acq: 19 Jul 2018 14:00

Tgt Ion: 76 Resp: 102

Ion Ratio Lower Upper

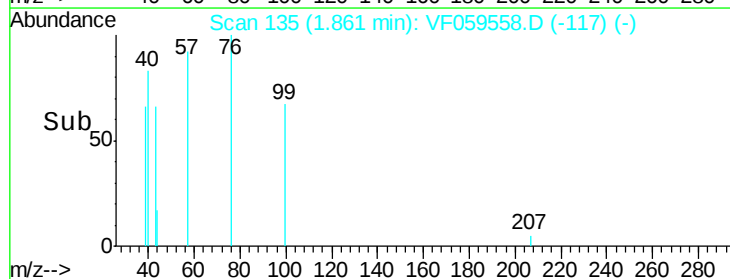
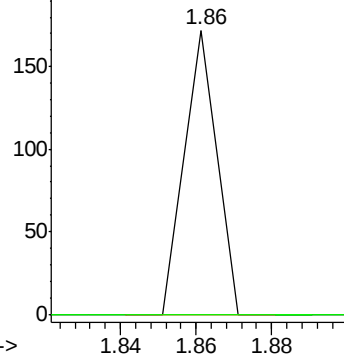
76 100

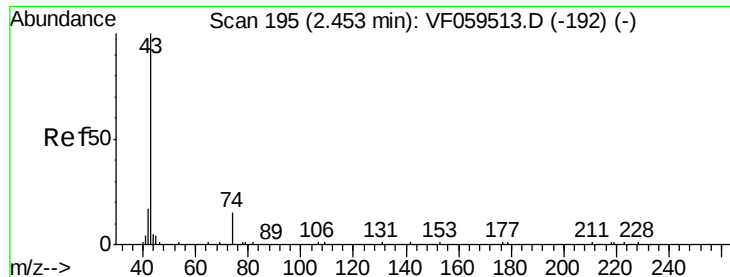
78 0.0 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

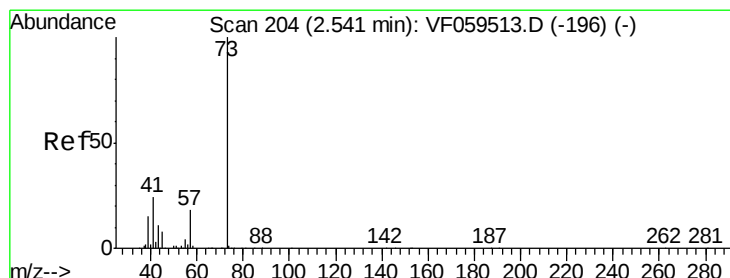
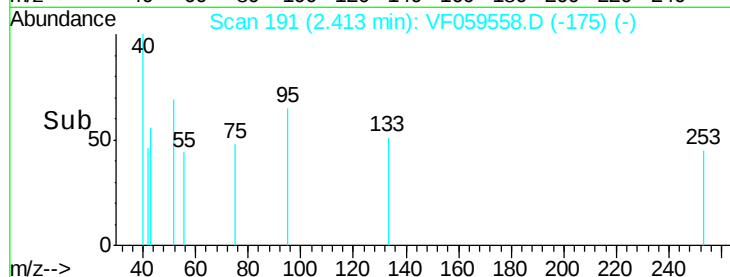
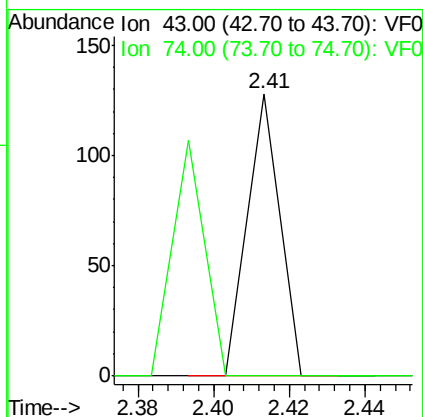
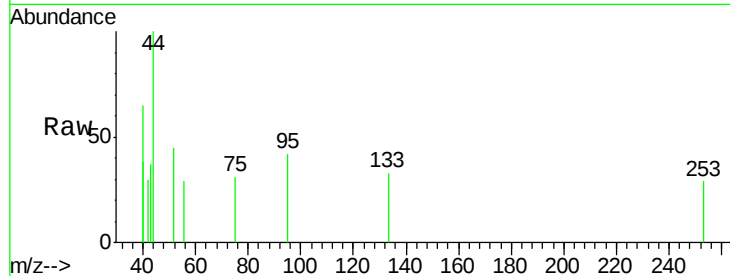




#18
Methvl Acetate
Concen: 275.92 ug/l
RT: 2.41 min Scan# 191
Delta R.T. -0.04 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

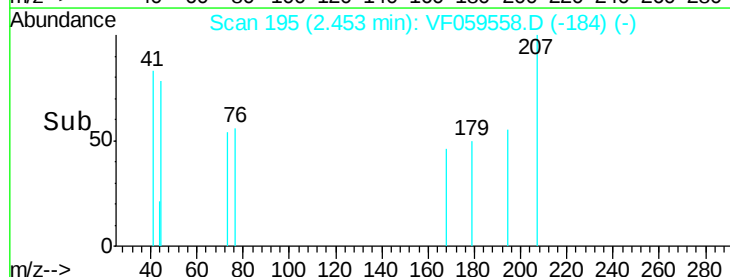
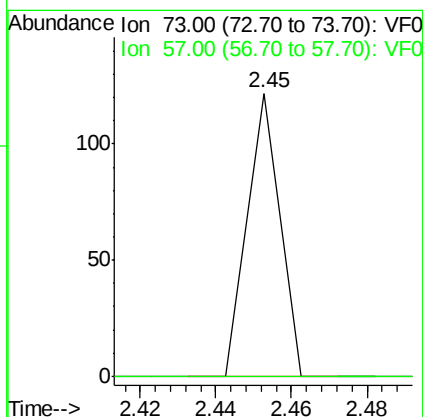
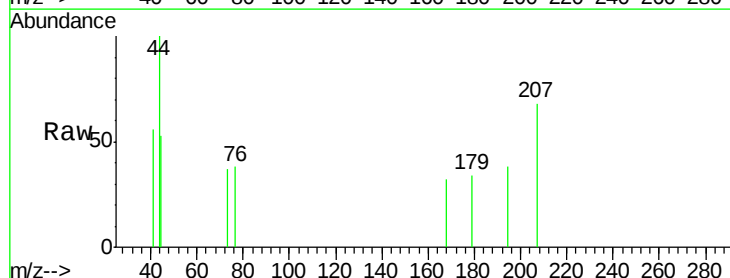
Instrument :
MSVOA_F
ClientSampleId :
SB9-10

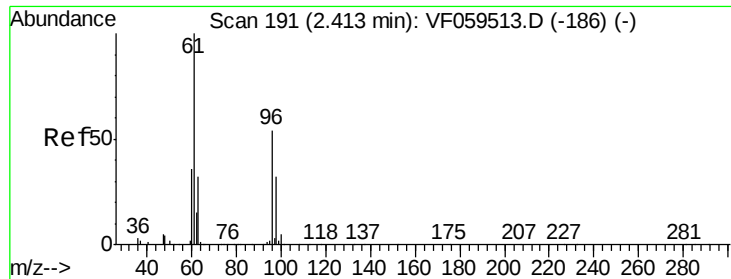
Tot Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#19
Methyl tert-butyl Ether
Concen: 50.33 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.09 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Tgt Ion: 73 Resp: 72
Ion Ratio Lower Upper
73 100
57 0.0 14.3 21.5#





#21

trans-1,2-Dichloroethene

Concen: 158.89 ug/l

RT: 2.35 min Scan# 185

Delta R.T. -0.06 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

SB9-10

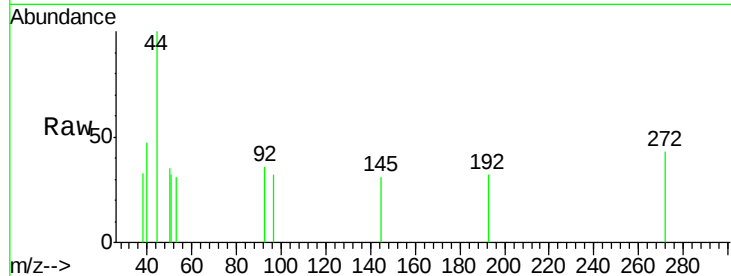
Tot Ion: 96 Resp: 67

Ion Ratio Lower Upper

96 100

61 0.0 149.8 224.8#

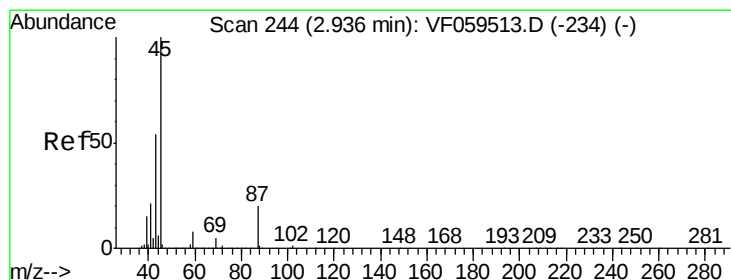
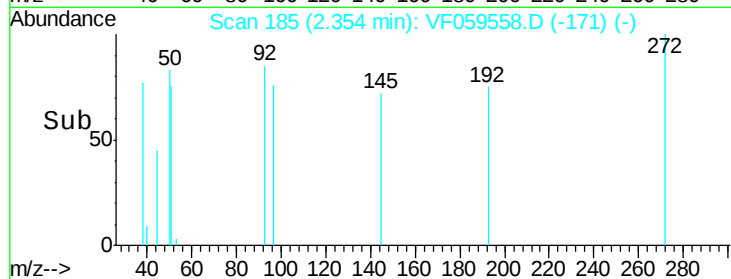
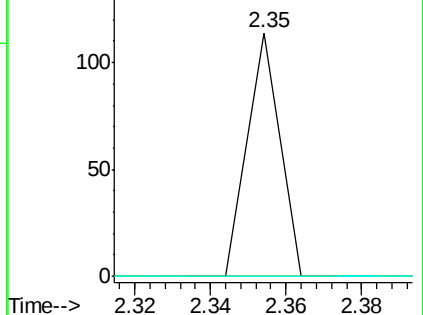
98 0.0 47.8 71.8#



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



#22

Diisopropyl ether

Concen: 61.89 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Tgt Ion: 45 Resp: 99

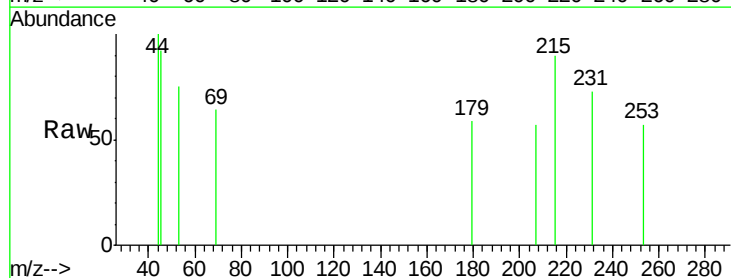
Ion Ratio Lower Upper

45 100

43 0.0 43.6 65.4#

87 0.0 15.6 23.4#

59 0.0 6.4 9.6#

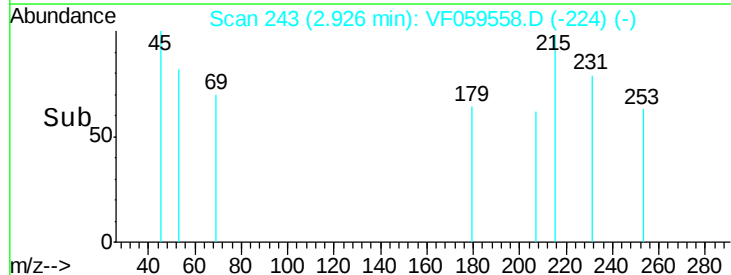
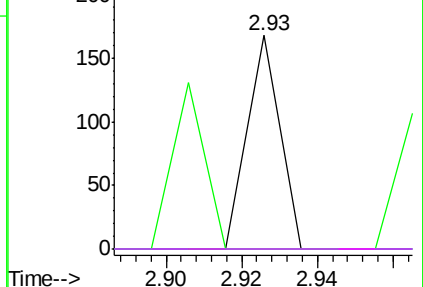


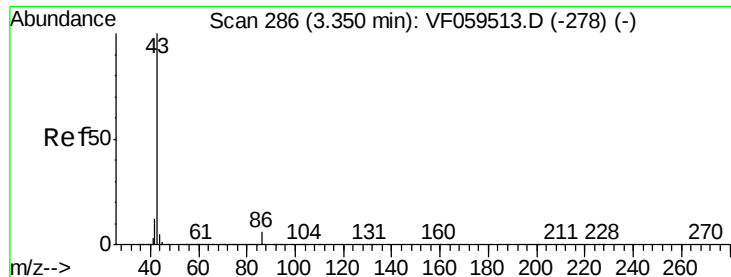
Abundance Ion 45.00 (44.70 to 45.70): VF0

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





#23

Vinyl Acetate

Concen: 154.06 ug/l

RT: 3.38 min Scan# 289

Delta R.T. 0.03 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampled :

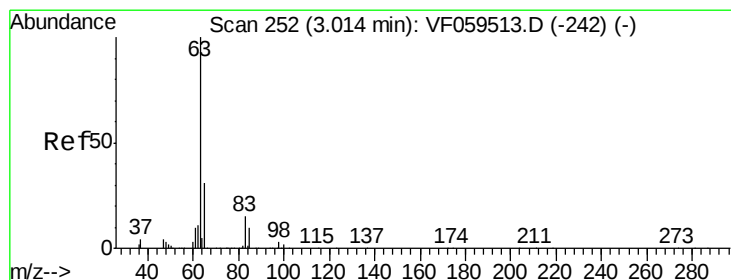
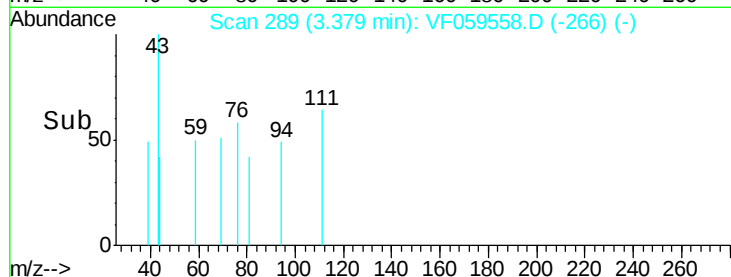
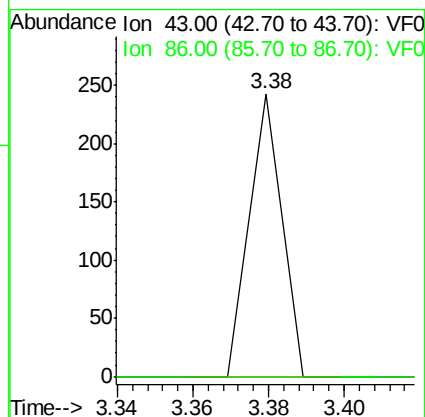
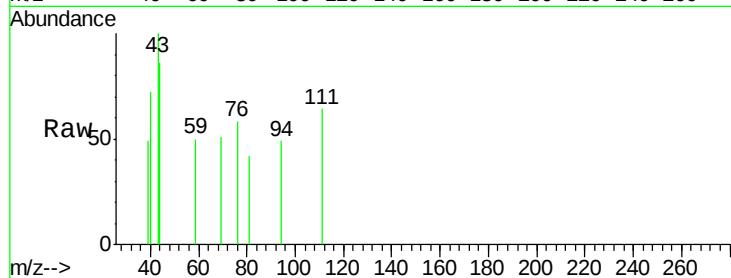
SB9-10

Tot Ion: 43 Resp: 144

Ion Ratio Lower Upper

43 100

86 0.0 4.4 6.6#



#24

1,1-Dichloroethane

Concen: 96.17 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.08 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

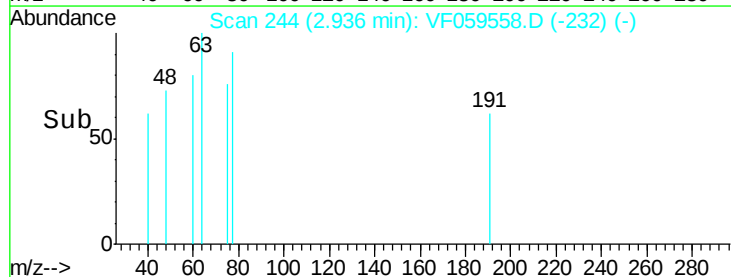
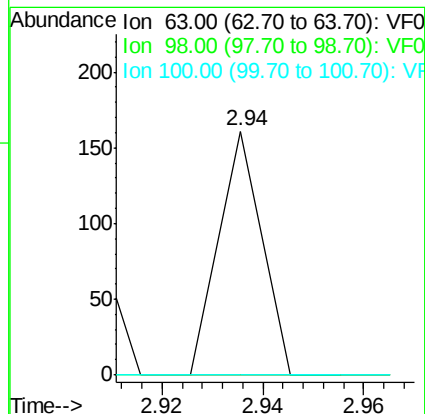
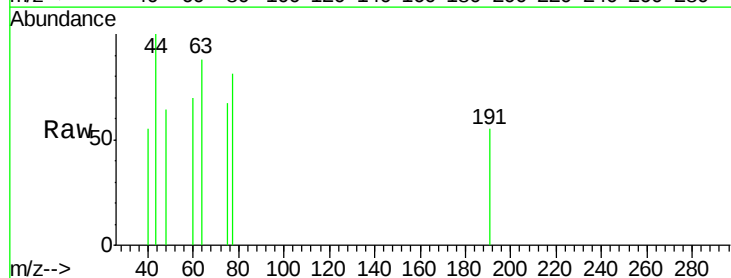
Tgt Ion: 63 Resp: 95

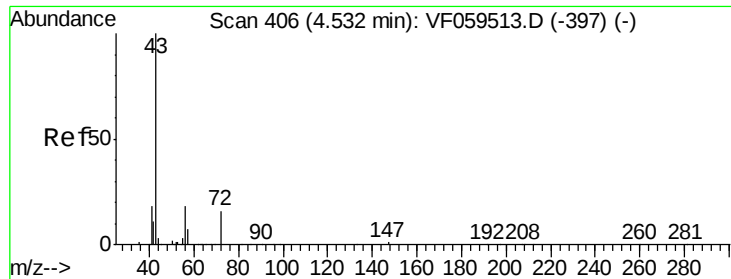
Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.4#

100 0.0 1.3 3.8#





#25

2-Butanone

Concen: 290.57 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampled :

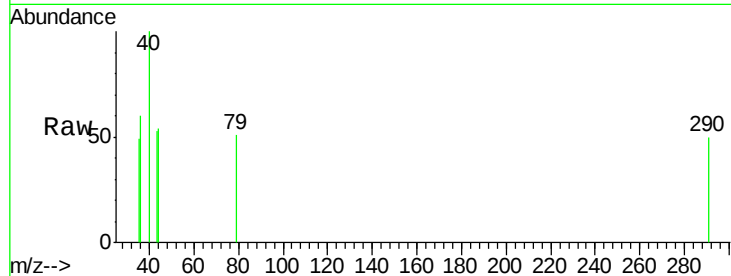
SB9-10

Tot Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.51

120

100

80

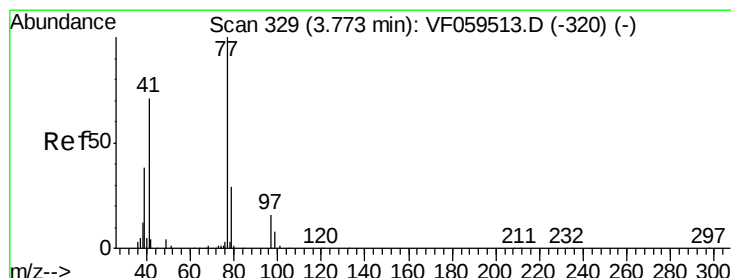
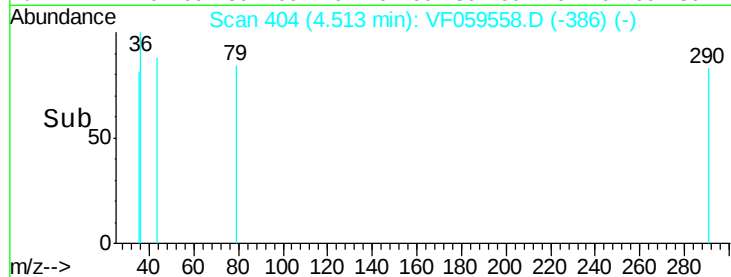
60

40

20

0

Time-->



#26

2,2-Dichloropropane

Concen: 143.83 ug/l

RT: 3.70 min Scan# 322

Delta R.T. -0.07 min

Lab File: VF059558.D

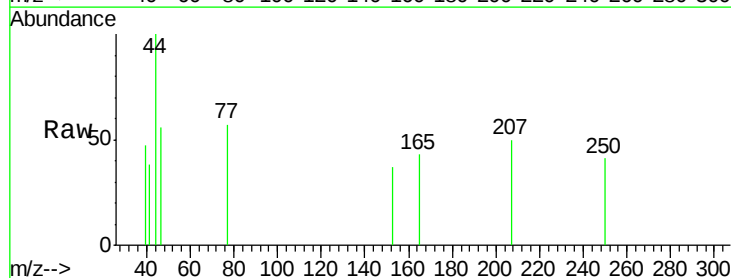
Acq: 19 Jul 2018 14:00

Tgt Ion: 77 Resp: 94

Ion Ratio Lower Upper

77 100

97 0.0 8.1 24.3#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.70

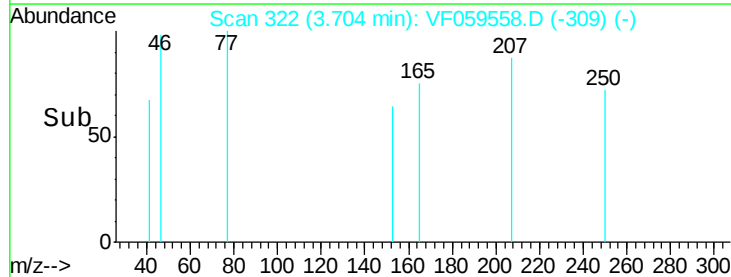
150

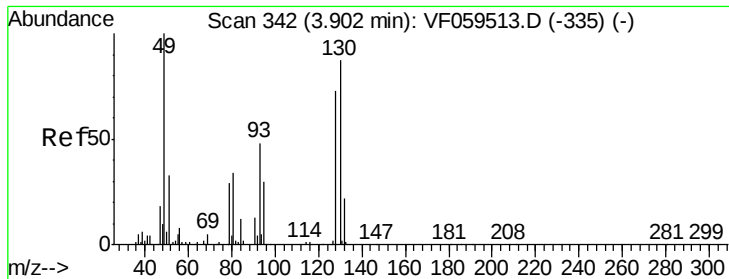
100

50

0

Time-->

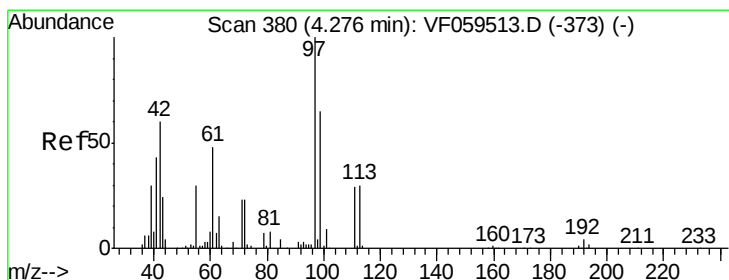
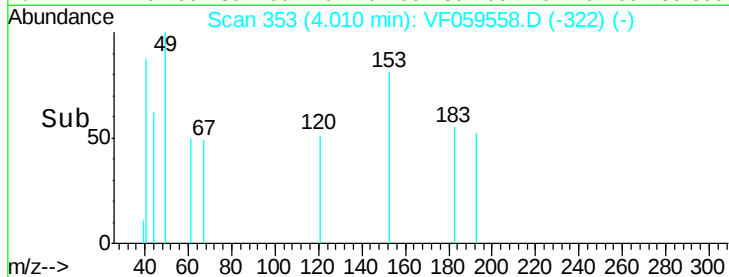
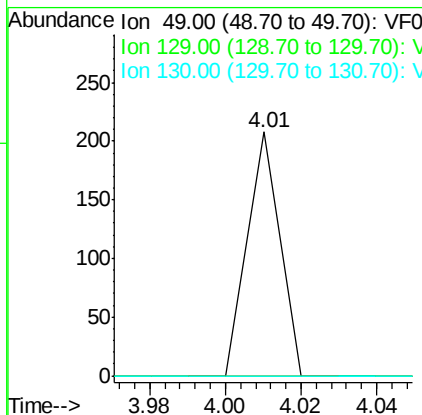
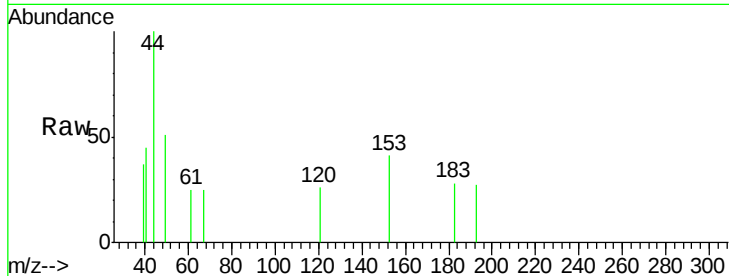




#28
Bromochloromethane
Concen: 282.88 ug/l
RT: 4.01 min Scan# 353
Delta R.T. 0.11 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

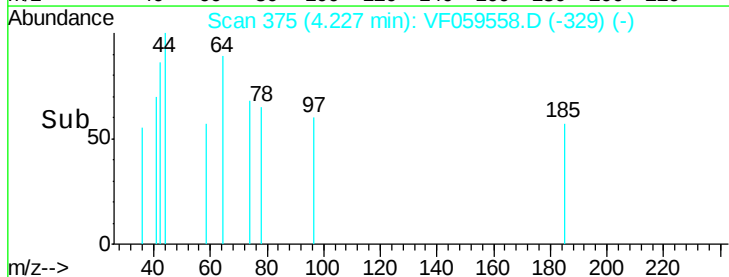
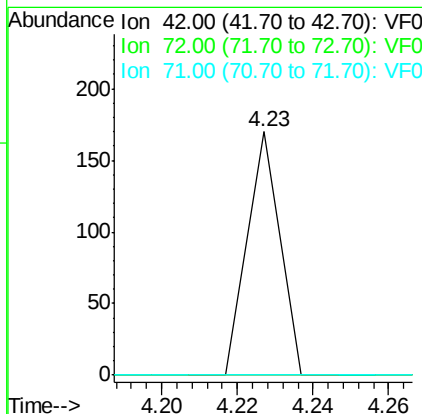
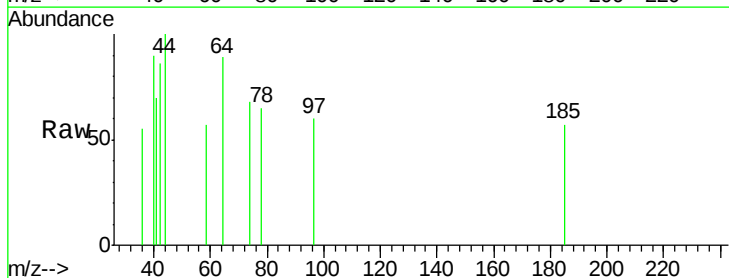
Instrument :
MSVOA_F
ClientSampled :
SB9-10

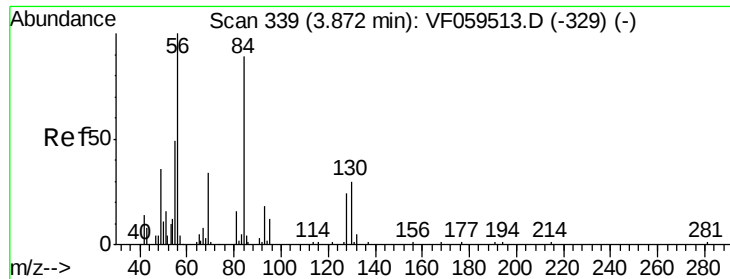
Tot Ion: 49 Resp: 123
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 0.0 69.8 104.6#



#29
Tetrahydrofuran
Concen: 1208.85 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.05 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Tgt Ion: 42 Resp: 101
Ion Ratio Lower Upper
42 100
72 0.0 28.7 43.1#
71 0.0 30.8 46.2#

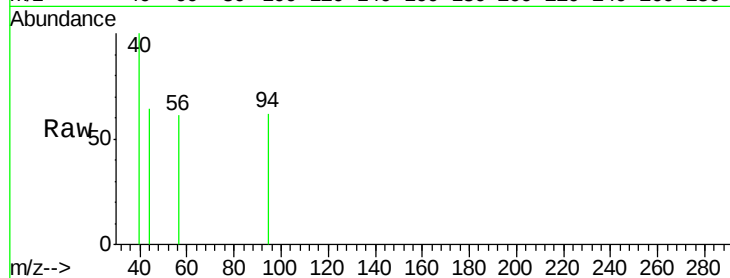




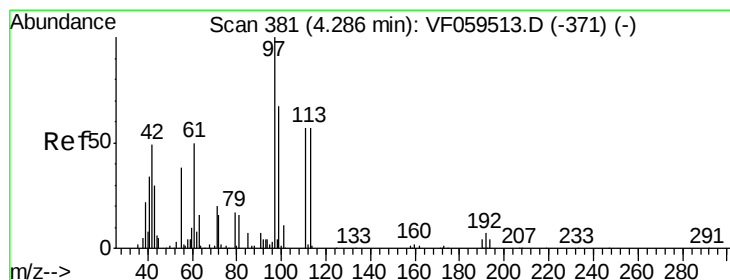
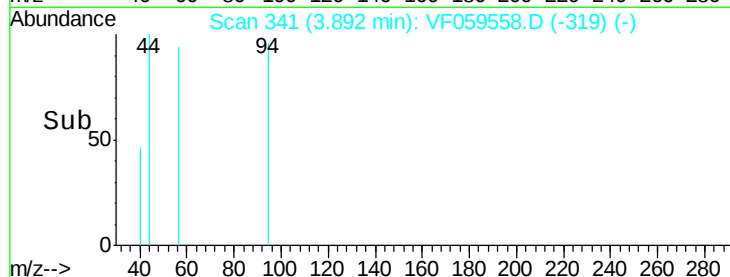
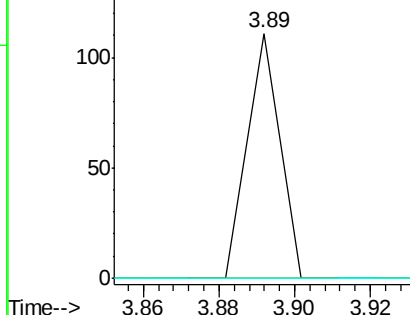
#31
Cyclohexane
Concen: 128.99 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
SB9-10

Tot Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
69 0.0 27.6 41.4#
84 0.0 71.4 107.2#

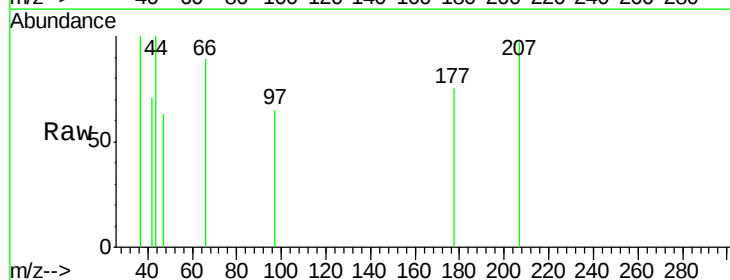


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

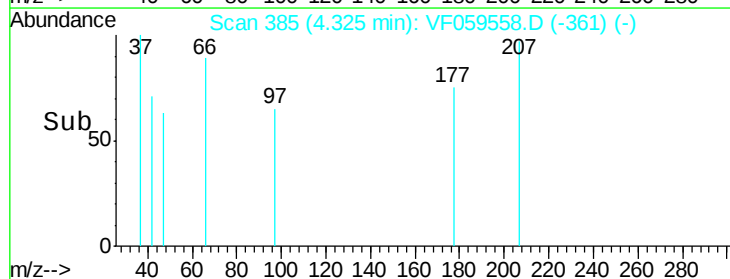
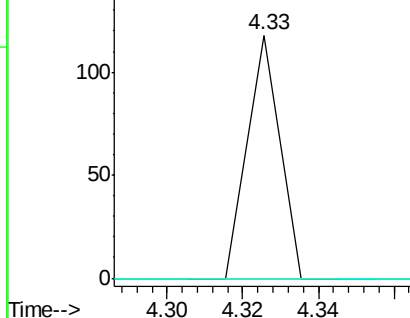


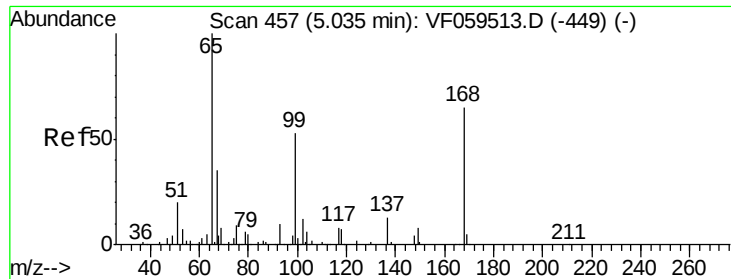
#32
1,1,1-Trichloroethane
Concen: 75.48 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.04 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Tgt Ion: 97 Resp: 70
Ion Ratio Lower Upper
97 100
99 0.0 53.5 80.3#
61 0.0 39.7 59.5#



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: 69.57 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.11 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

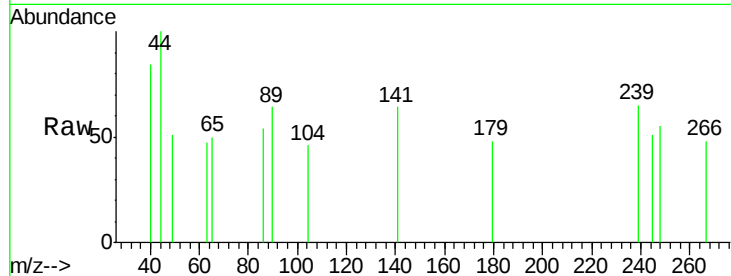
SB9-10

Tot Ion: 65 Resp: 66

Ion Ratio Lower Upper

65 100

67 0.0 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.93

120

100

80

60

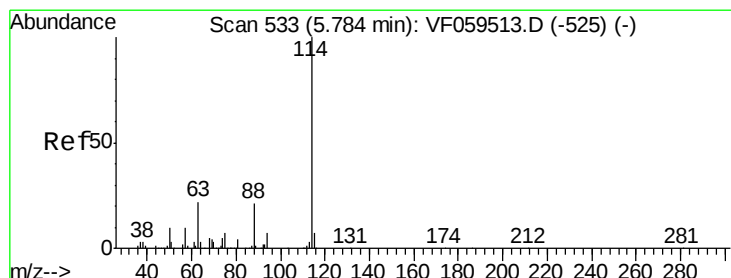
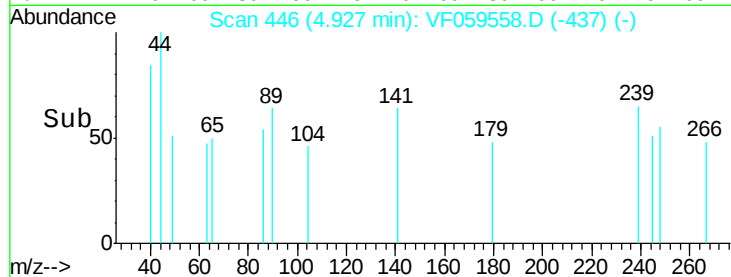
40

20

0

4.92 4.94

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.22 min Scan# 577

Delta R.T. 0.43 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

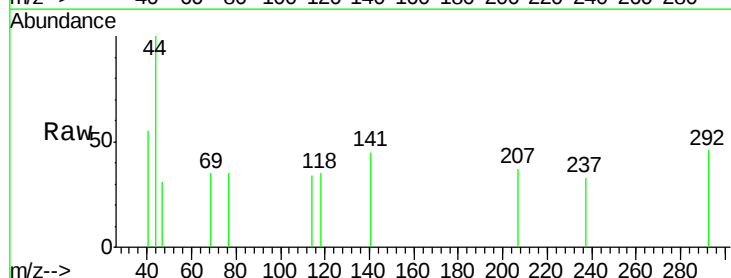
Tgt Ion: 114 Resp: 65

Ion Ratio Lower Upper

114 100

63 0.0 0.0 44.8

88 0.0 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

150

100

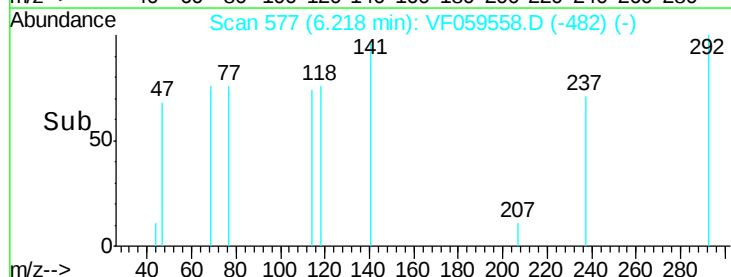
50

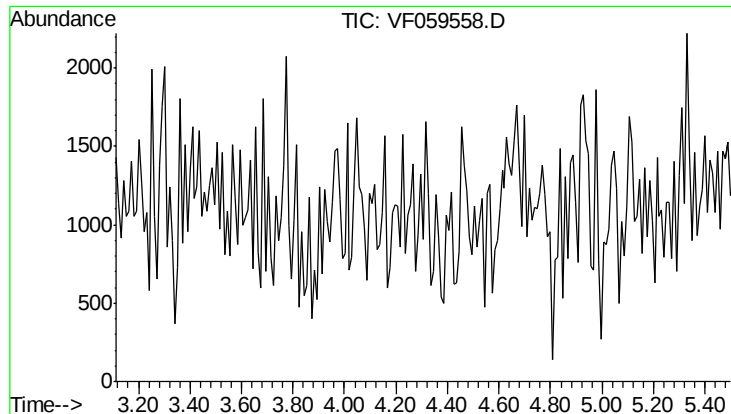
0

6.22

6.20 6.22

Time-->

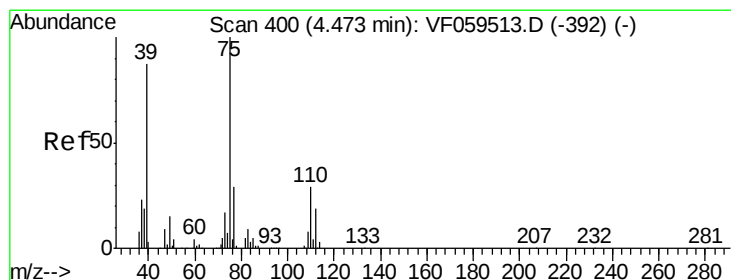
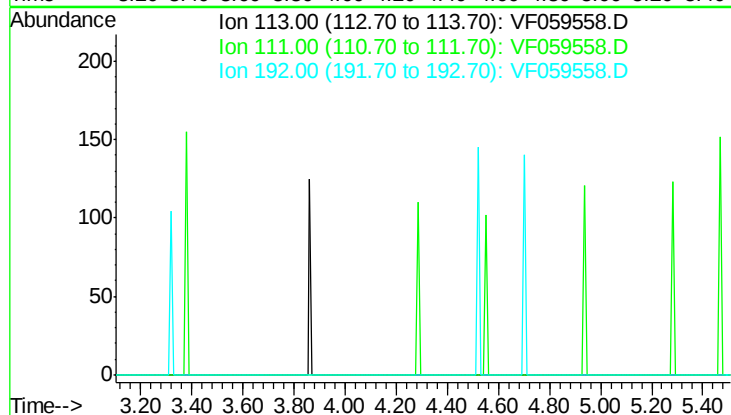




#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 4.31 min
 Lab File: VF059558.D
 Acq: 19 Jul 2018 14:00

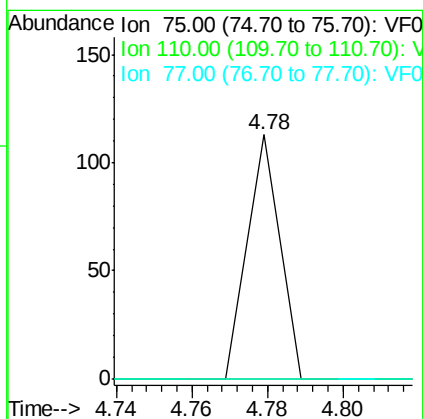
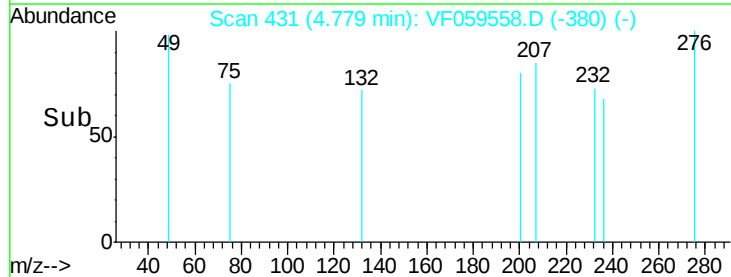
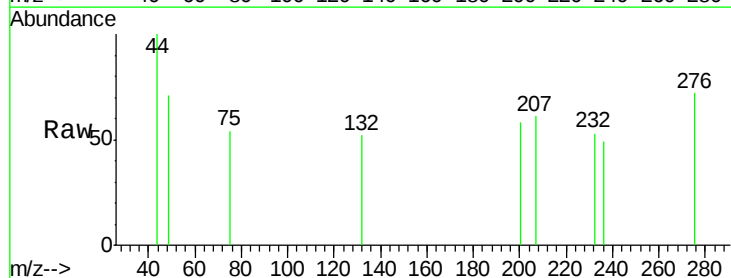
Instrument :
 MSVOA_F
 ClientSampleId :
 SB9-10

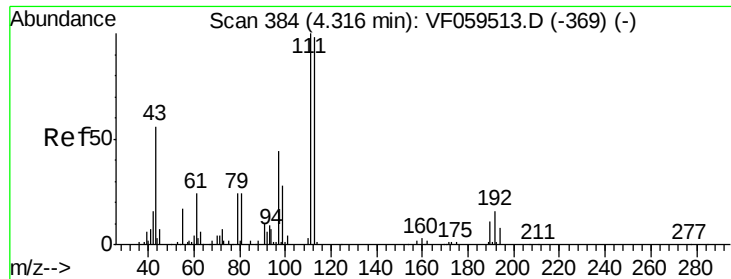
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 100.4
 192 16.4



#36
 1,1-Dichloropropene
 Concen: 102.98 ug/l
 RT: 4.78 min Scan# 431
 Delta R.T. 0.31 min
 Lab File: VF059558.D
 Acq: 19 Jul 2018 14:00

Tgt Ion: 75 Resp: 67
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.6 43.8#
 77 0.0 23.7 35.5#





#37

Ethyl Acetate

Concen: 641.46 ug/l

RT: 4.64 min Scan# 417

Delta R.T. 0.33 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampled :

SB9-10

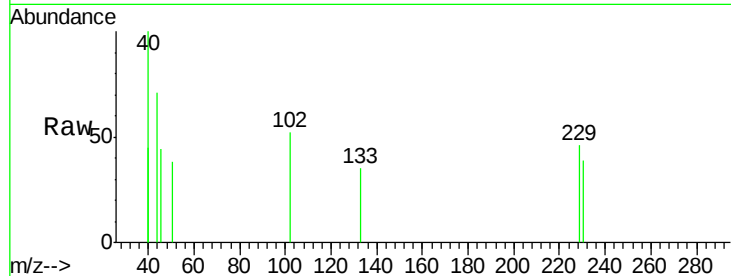
Tot Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

61 0.0 33.7 50.5#

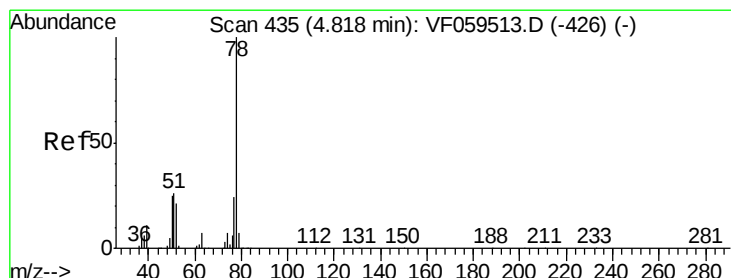
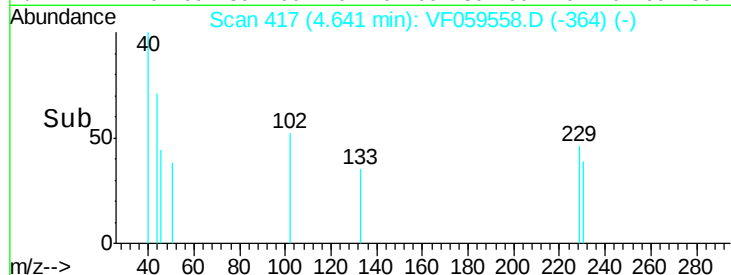
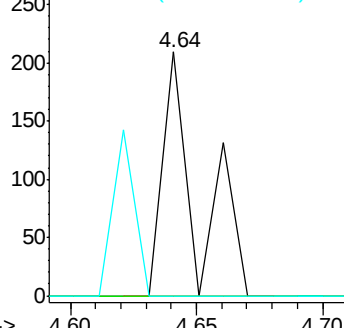
70 0.0 7.4 11.0#



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



#40

Benzene

Concen: 47.54 ug/l

RT: 5.20 min Scan# 474

Delta R.T. 0.38 min

Lab File: VF059558.D

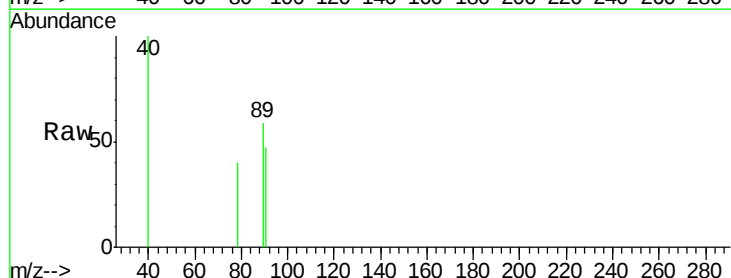
Acq: 19 Jul 2018 14:00

Tgt Ion: 78 Resp: 60

Ion Ratio Lower Upper

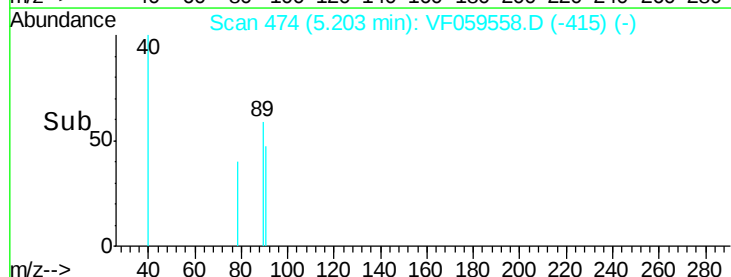
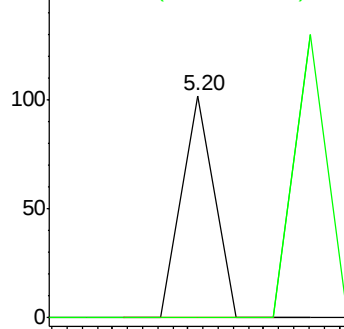
78 100

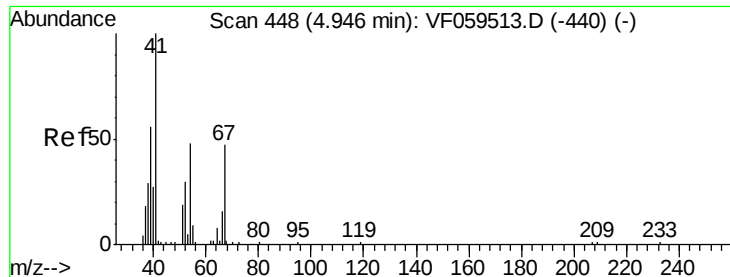
77 0.0 19.4 29.0#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

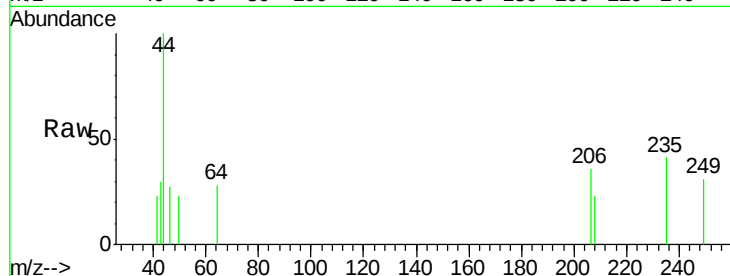




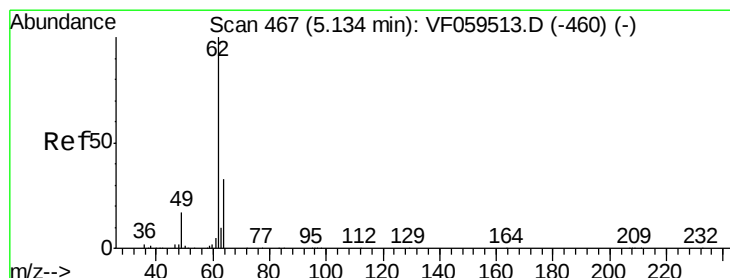
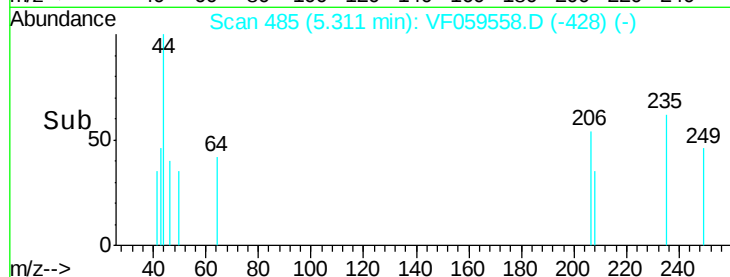
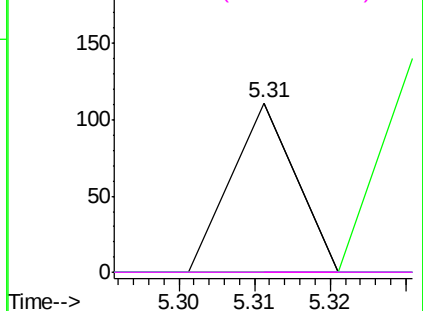
#41
Methacrylonitrile
Concen: 353.74 ug/l
RT: 5.31 min Scan# 485
Delta R.T. 0.36 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Instrument :
MSVOA_F
ClientSampled :
SB9-10

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.4	74.0#
67	0.0	37.4	56.2#
52	0.0	32.1	48.1#

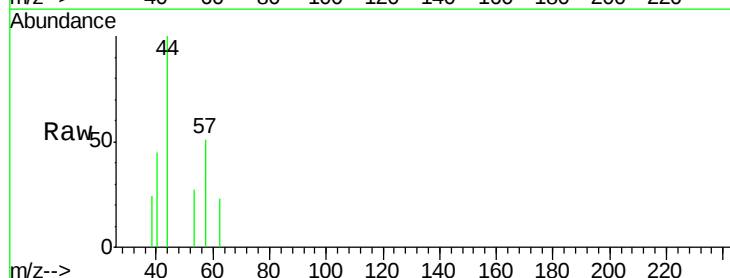


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

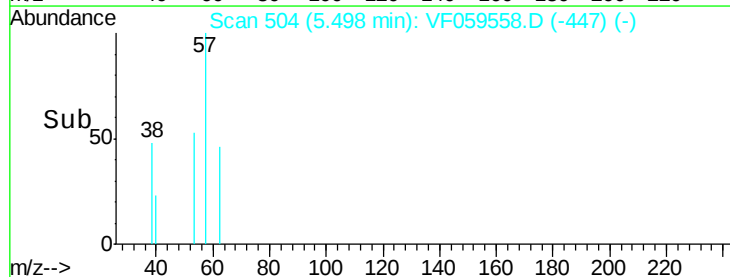
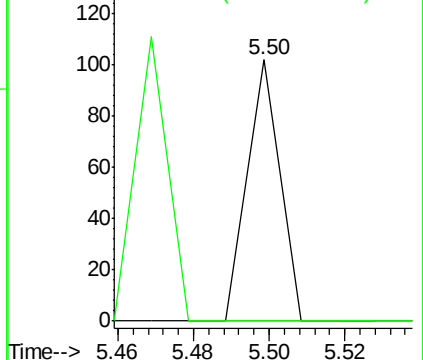


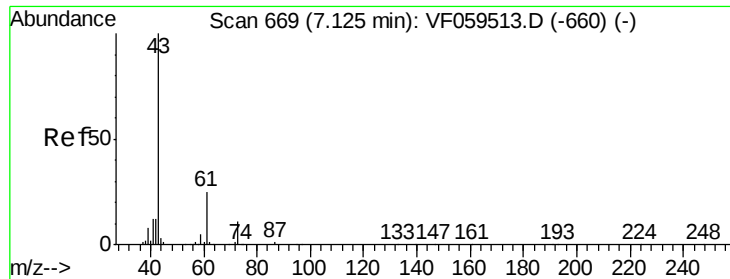
#42
1,2-Dichloroethane
Concen: 72.37 ug/l
RT: 5.50 min Scan# 504
Delta R.T. 0.36 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	9.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



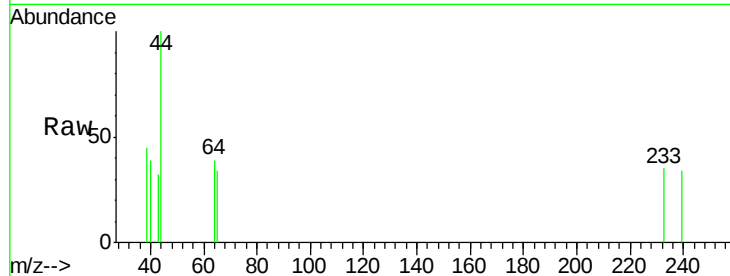


#43

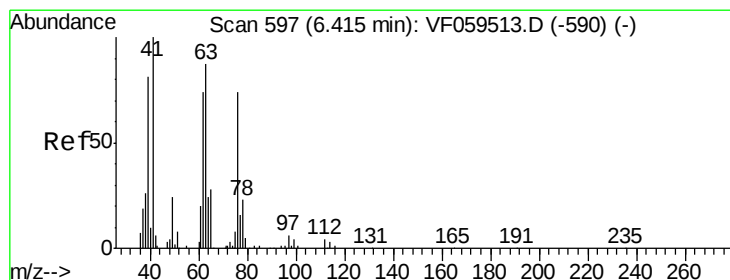
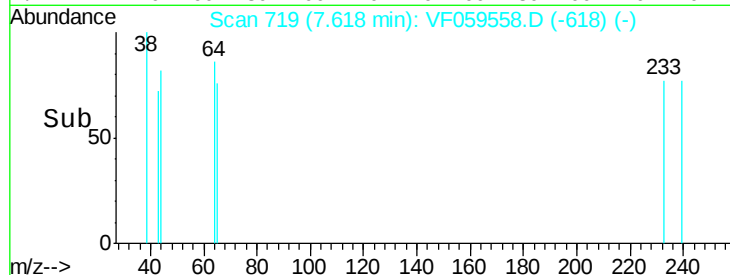
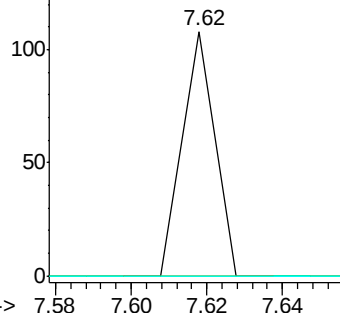
Isopropyl Acetate
 Concen: 136.90 ug/l
 RT: 7.62 min Scan# 719
 Delta R.T. 0.49 min
 Lab File: VF059558.D
 Acq: 19 Jul 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 SB9-10

Tot Ion	43	64
Resp	100	0.0
Ratio	0.0	20.3
Lower	0.0	0.4
Upper	30.5#	0.6#



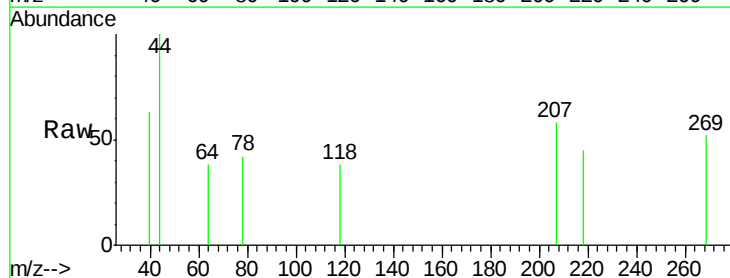
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



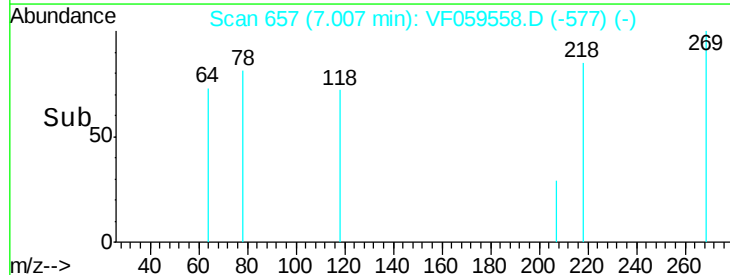
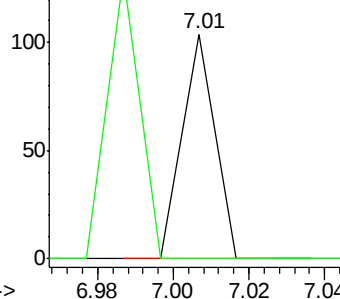
#45

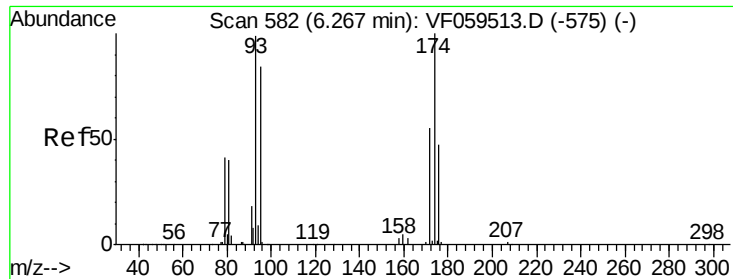
1,2-Dichloropropane
 Concen: 176.97 ug/l
 RT: 7.01 min Scan# 657
 Delta R.T. 0.59 min
 Lab File: VF059558.D
 Acq: 19 Jul 2018 14:00

Tgt Ion	63	65
Resp	100	0.0
Ratio	0.0	26.1
Lower	0.0	26.1
Upper	39.1#	



Abundance Ion 63.00 (62.70 to 63.70): VF0
 Ion 65.00 (64.70 to 65.70): VF0





#46

Dibromomethane

Concen: 219.41 ug/l

RT: 6.78 min Scan# 634

Delta R.T. 0.51 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

SB9-10

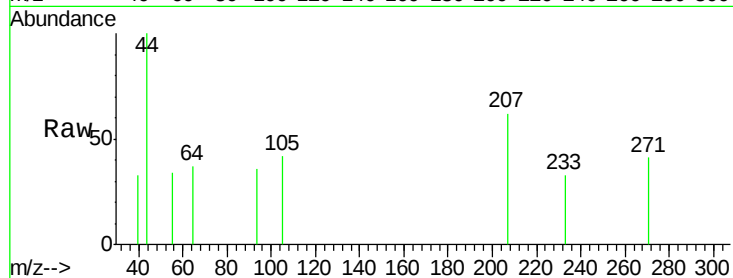
Tot Ion: 93 Resp: 70

Ion Ratio Lower Upper

93 100

95 0.0 68.3 102.5#

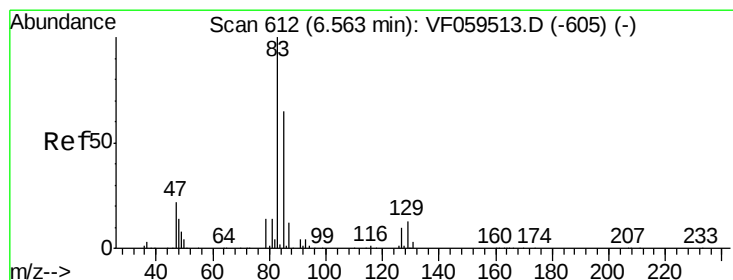
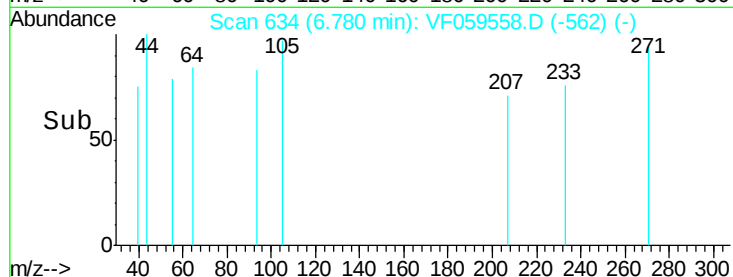
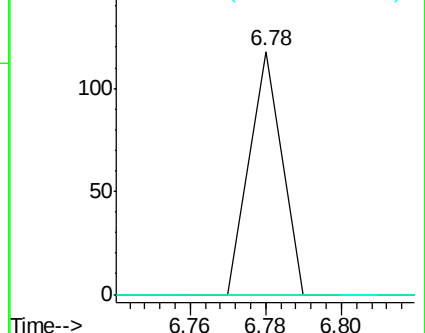
174 0.0 81.2 121.8#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#47

Bromodichloromethane

Concen: 159.51 ug/l

RT: 6.92 min Scan# 648

Delta R.T. 0.35 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

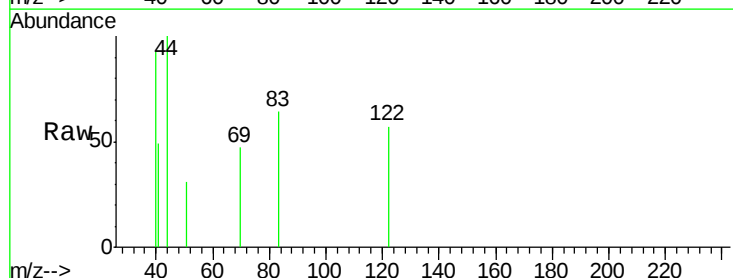
Tgt Ion: 83 Resp: 131

Ion Ratio Lower Upper

83 100

85 0.0 52.4 78.6#

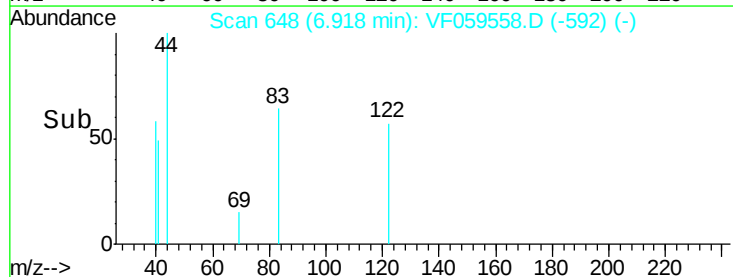
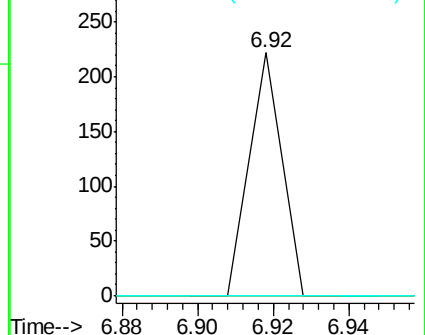
127 0.0 8.2 12.4#

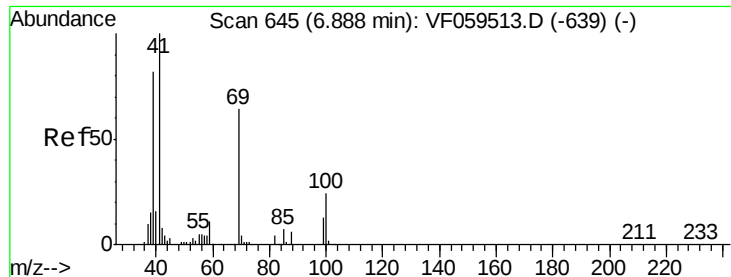


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

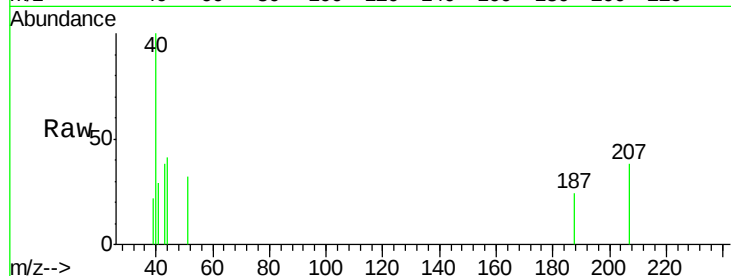




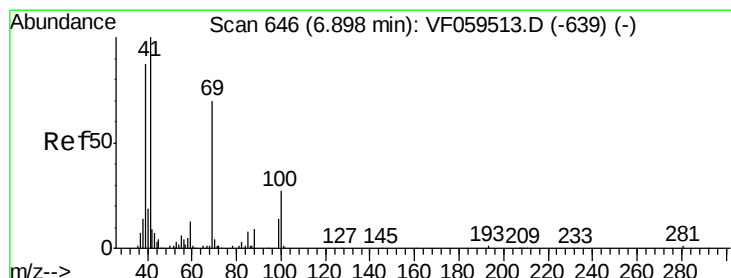
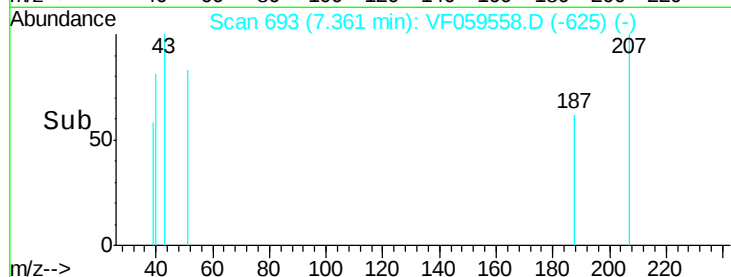
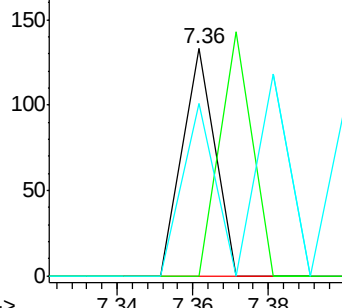
#48
Methvl methacrilate
Concen: 236.61 ug/l
RT: 7.36 min Scan# 693
Delta R.T. 0.47 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Instrument :
MSVOA_F
ClientSampled :
SB9-10

Tot Ion: 41 Resp: 79
Ion Ratio Lower Upper
41 100
69 0.0 51.3 76.9#
39 75.9 65.3 97.9

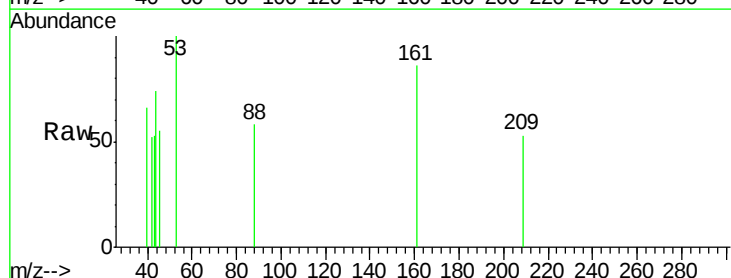


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

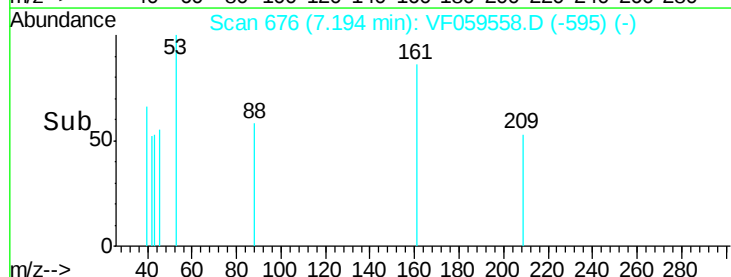
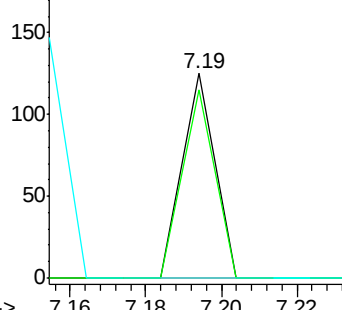


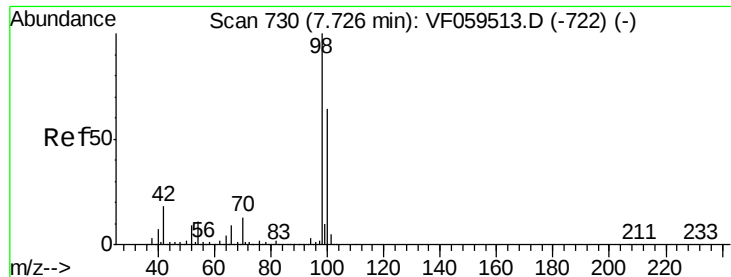
#49
1,4-Dioxane
Concen: Below Cal
RT: 7.19 min Scan# 676
Delta R.T. 0.30 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 92.0 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

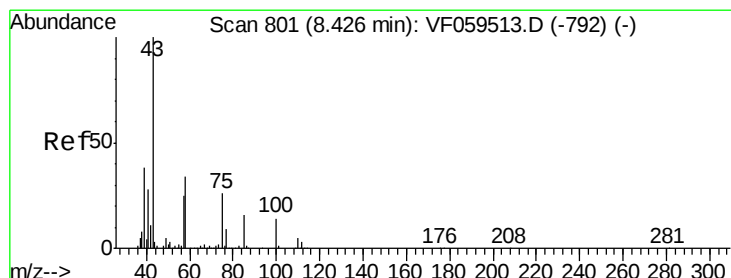
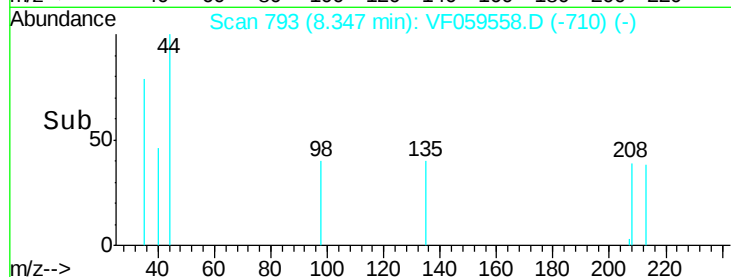
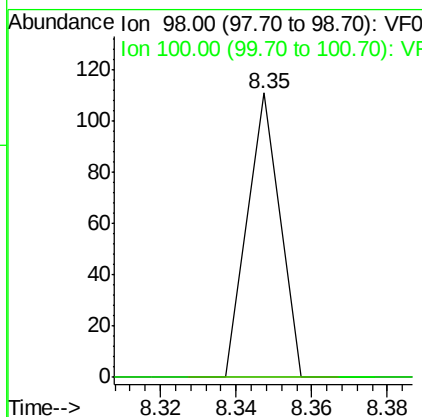
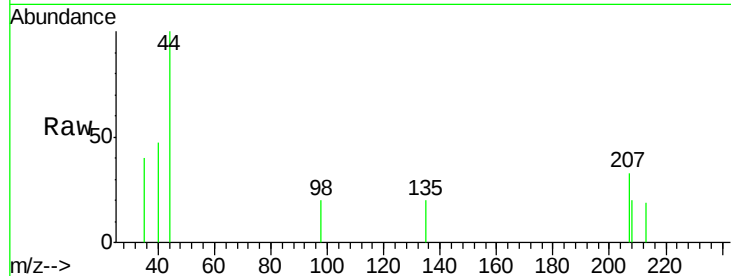




#50
Toluene-d8
Concen: 46.54 ug/l
RT: 8.35 min Scan# 793
Delta R.T. 0.62 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

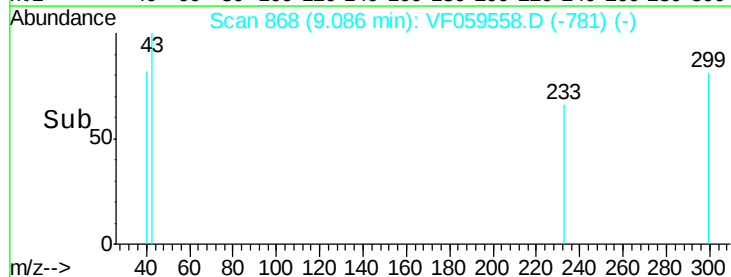
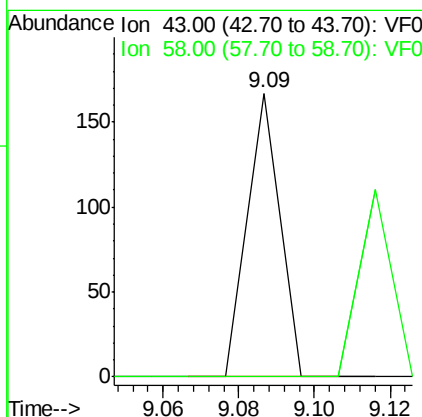
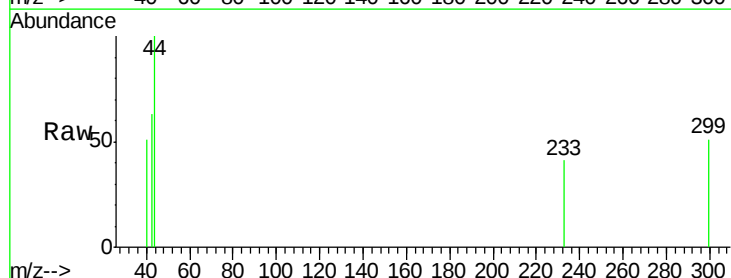
Instrument :
MSVOA_F
ClientSampleId :
SB9-10

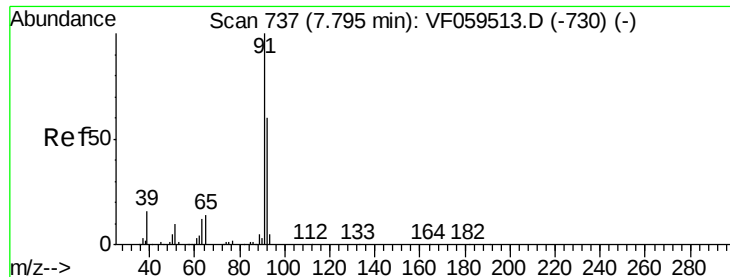
Tot Ion: 98 Resp: 66
Ion Ratio Lower Upper
98 100
100 0.0 50.9 76.3#



#51
4-Methyl-2-Pentanone
Concen: 298.74 ug/l
RT: 9.09 min Scan# 868
Delta R.T. 0.66 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Tgt Ion: 43 Resp: 99
Ion Ratio Lower Upper
43 100
58 0.0 27.4 41.2#





#52

Toluene

Concen: 73.19 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.61 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

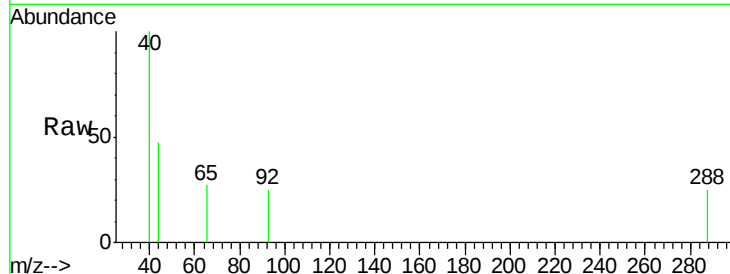
SB9-10

Tot Ion: 92 Resp: 67

Ion Ratio Lower Upper

92 100

91 0.0 134.2 201.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

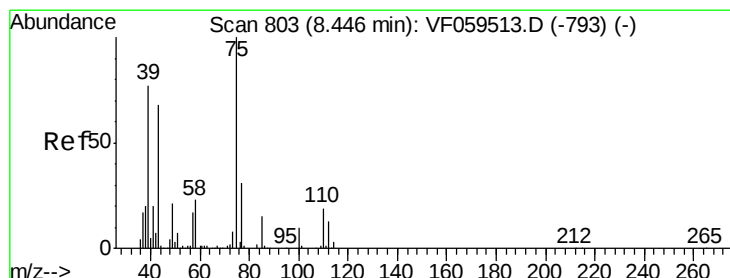
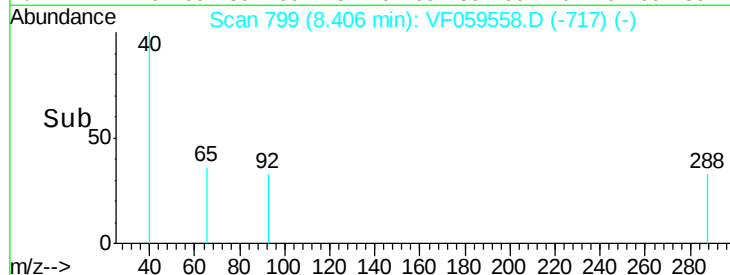
8.41

100

50

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 101.93 ug/l

RT: 9.19 min Scan# 879

Delta R.T. 0.75 min

Lab File: VF059558.D

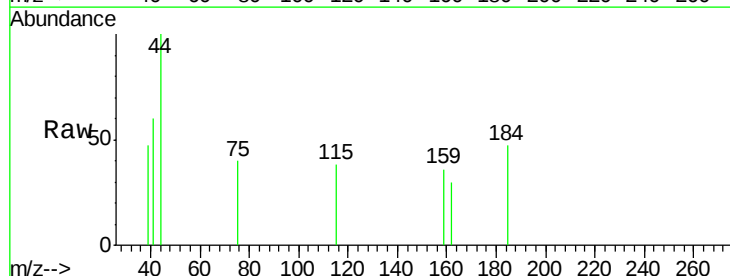
Acq: 19 Jul 2018 14:00

Tgt Ion: 75 Resp: 77

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

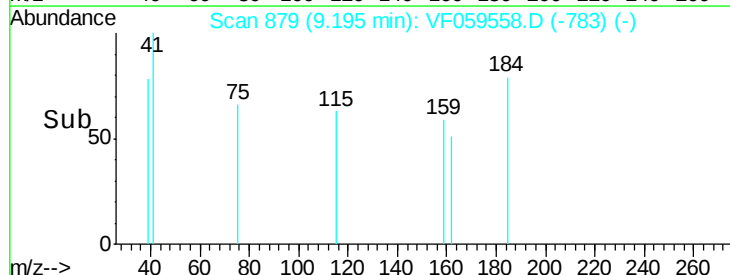
150

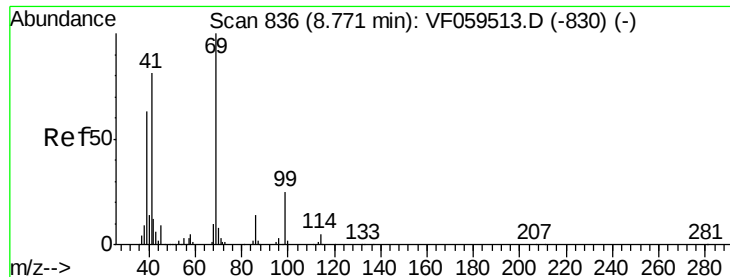
100

50

0

Time-->





#56

Ethyl methacrylate

Concen: 165.96 ug/l

RT: 9.43 min Scan# 903

Delta R.T. 0.66 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampled :

SB9-10

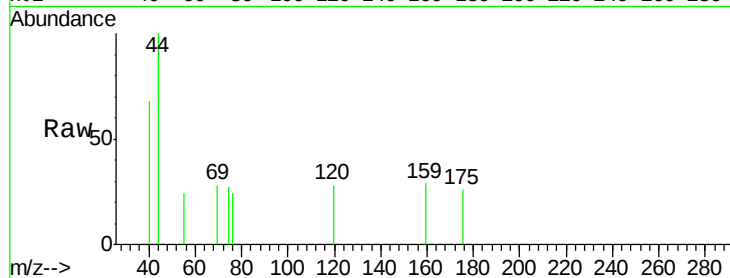
Tot Ion: 69 Resp: 73

Ion Ratio Lower Upper

69 100

41 0.0 65.4 98.2#

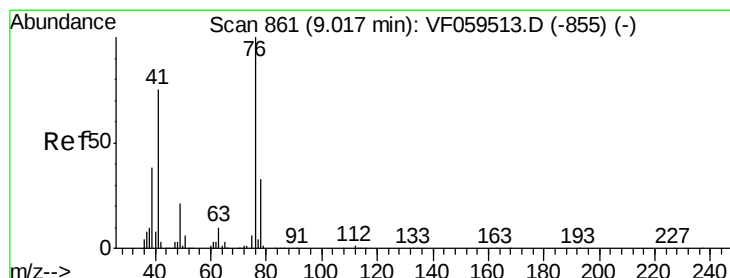
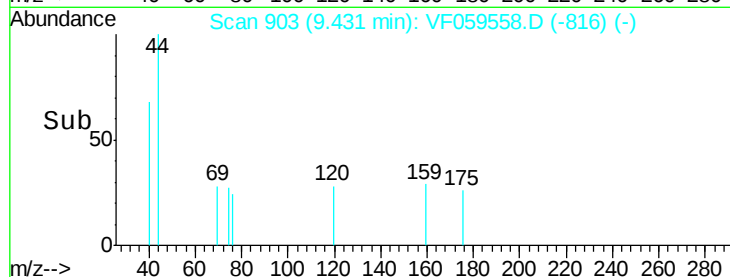
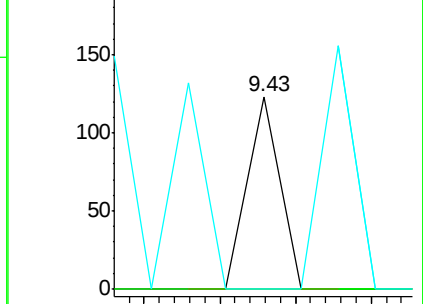
39 0.0 51.0 76.4#



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



#57

1,3-Dichloropropane

Concen: 130.75 ug/l

RT: 9.86 min Scan# 946

Delta R.T. 0.84 min

Lab File: VF059558.D

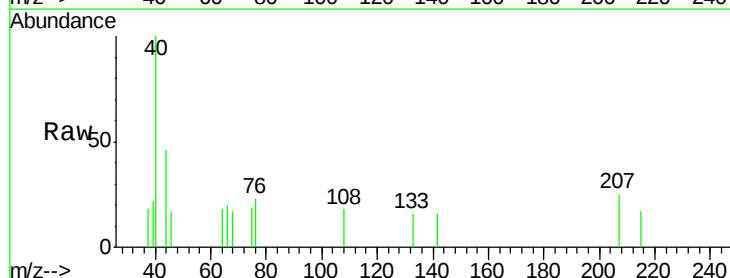
Acq: 19 Jul 2018 14:00

Tgt Ion: 76 Resp: 82

Ion Ratio Lower Upper

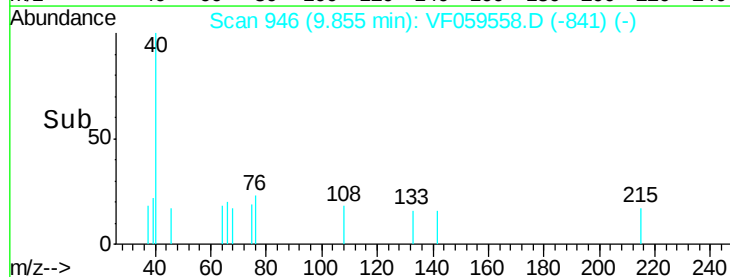
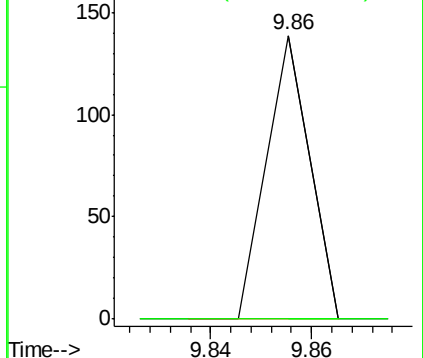
76 100

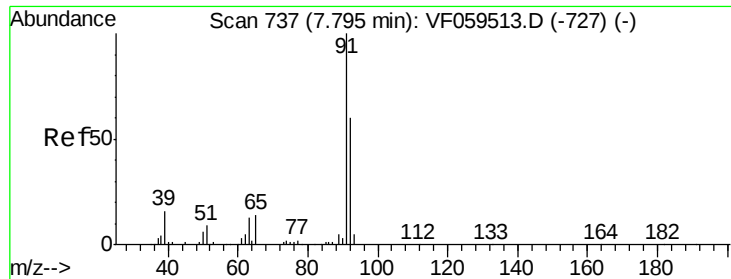
78 0.0 26.4 39.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

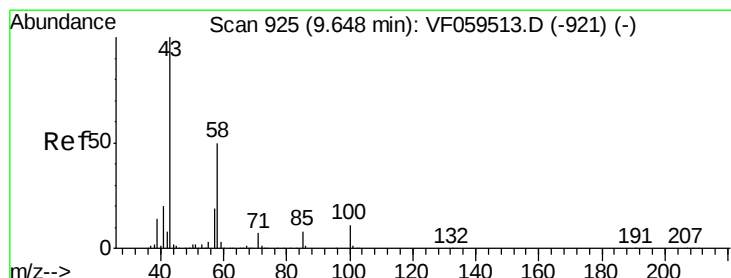
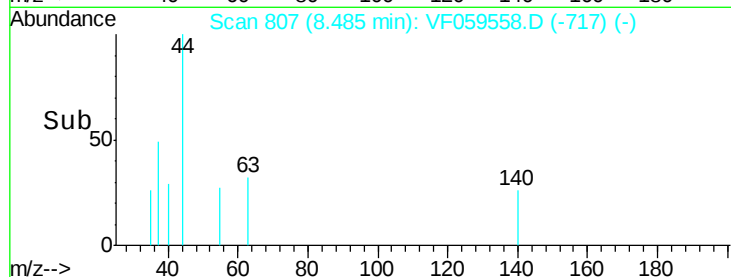
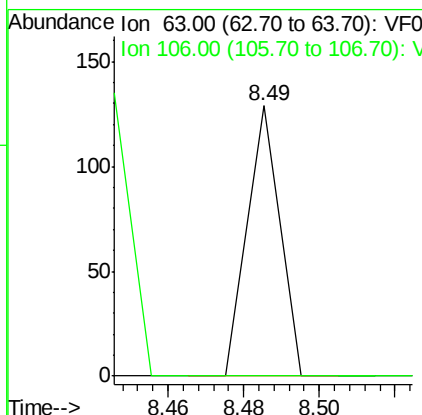
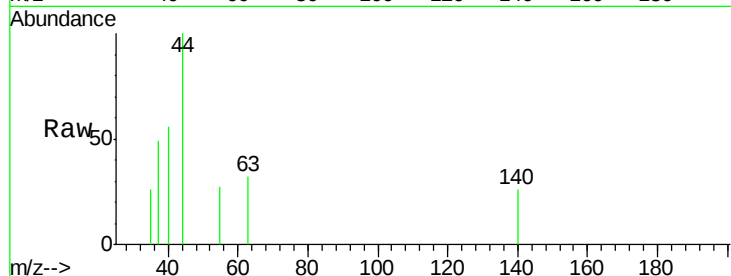




#58
 2-Chloroethyl Vinyl ether
 Concen: 1957.10 ug/l
 RT: 8.49 min Scan# 807
 Delta R.T. 0.69 min
 Lab File: VF059558.D
 Acq: 19 Jul 2018 14:00

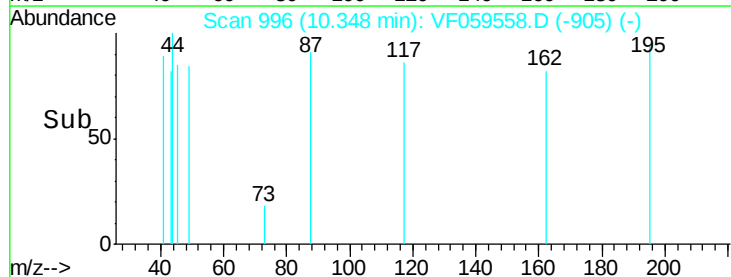
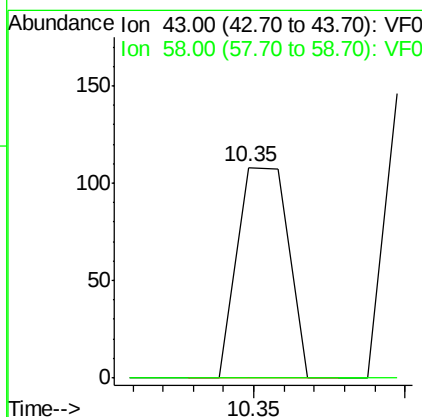
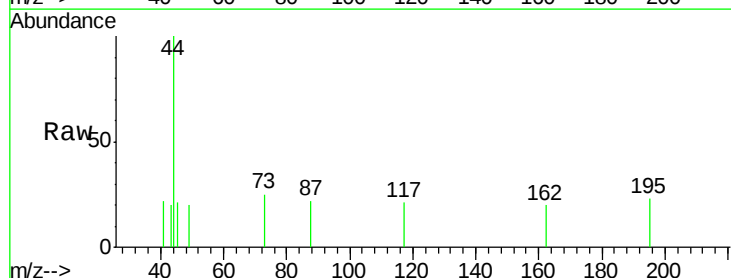
Instrument :
 MSVOA_F
 ClientSampled :
 SB9-10

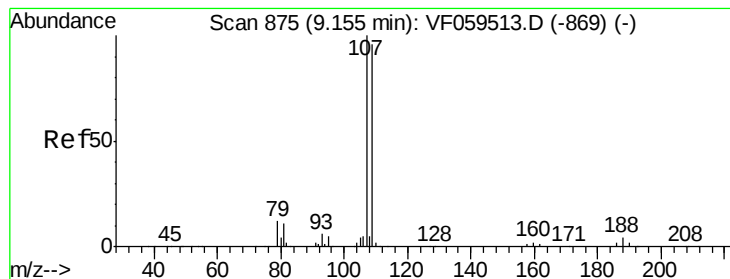
Tot Ion: 63 Resp: 76
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 507.08 ug/l
 RT: 10.35 min Scan# 996
 Delta R.T. 0.70 min
 Lab File: VF059558.D
 Acq: 19 Jul 2018 14:00

Tgt Ion: 43 Resp: 127
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.3 69.9#





#61

1,2-Dibromoethane

Concen: 154.51 ug/l

RT: 9.83 min Scan# 943

Delta R.T. 0.67 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

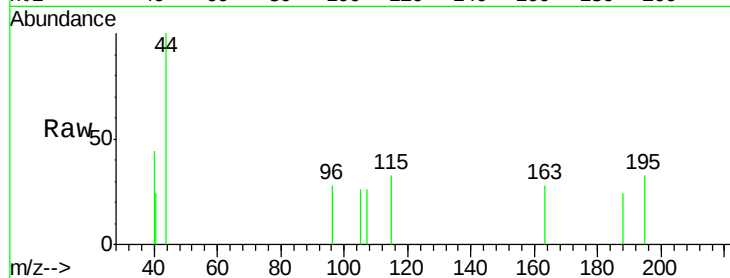
SB9-10

Tot Ion: 107 Resp: 68

Ion Ratio Lower Upper

107 100

109 0.0 76.5 114.7#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

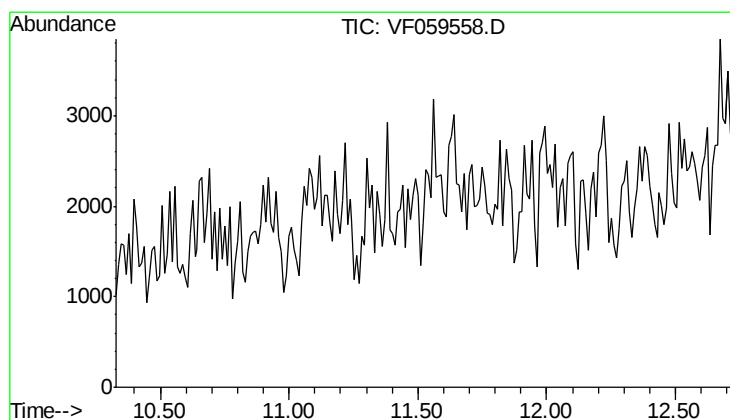
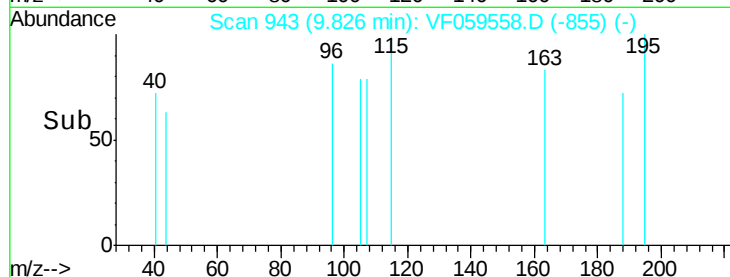
9.83

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 11.52 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

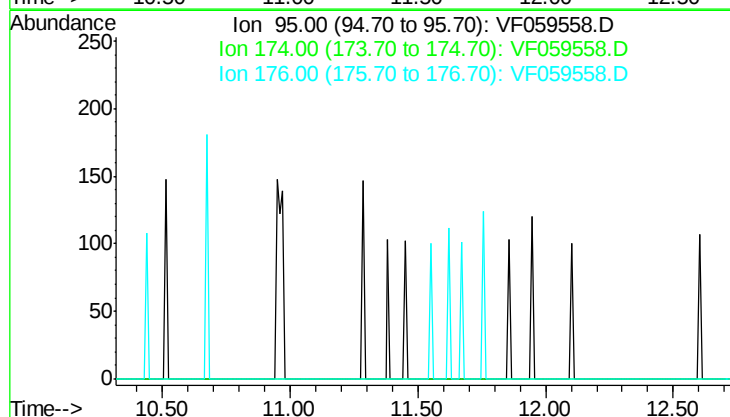
Tgt Ion: 95

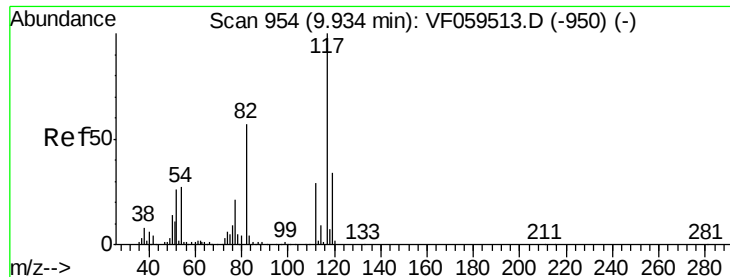
Sig Exp Ratio

95 100

174 87.2

176 84.7

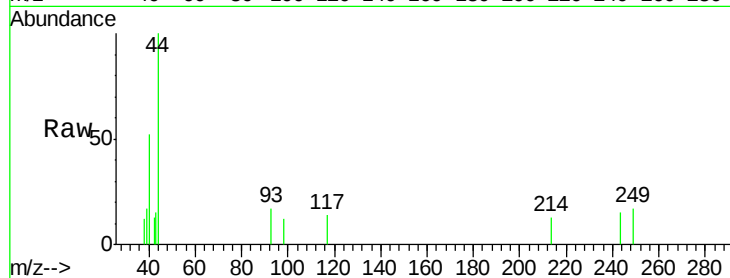




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1031
Delta R.T. 0.76 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

Instrument :
MSVOA_F
ClientSampled :
SB9-10

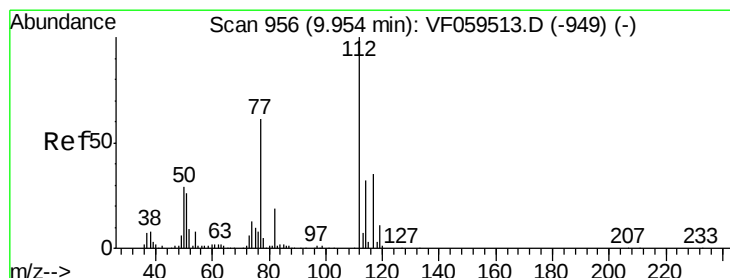
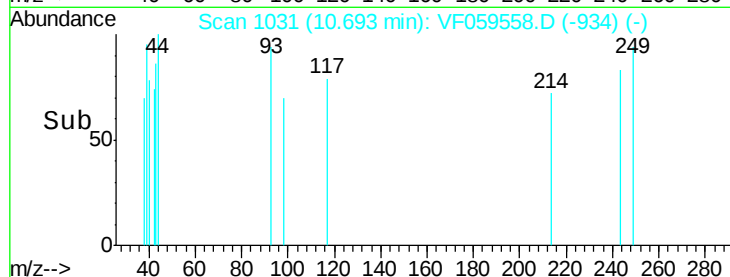
Tot Ion:117 Resp: 67
Ion Ratio Lower Upper
117 100
82 0.0 46.1 69.1#
119 0.0 27.2 40.8#



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

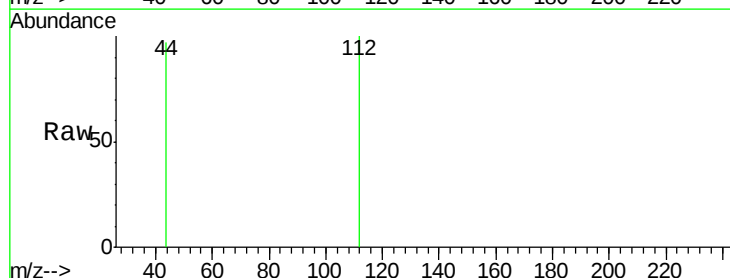
10.69

Time--> 10.66 10.68 10.70 10.72



#65
Chlorobenzene
Concen: 101.07 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.10 min
Lab File: VF059558.D
Acq: 19 Jul 2018 14:00

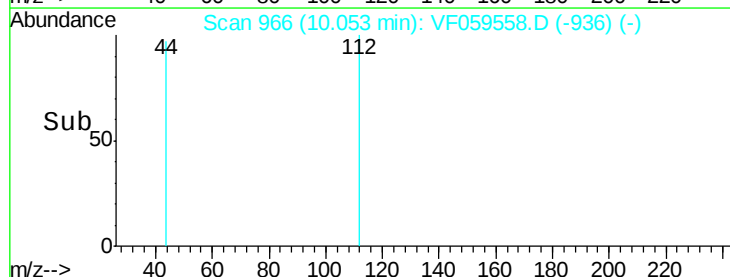
Tgt Ion:112 Resp: 127
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.2#

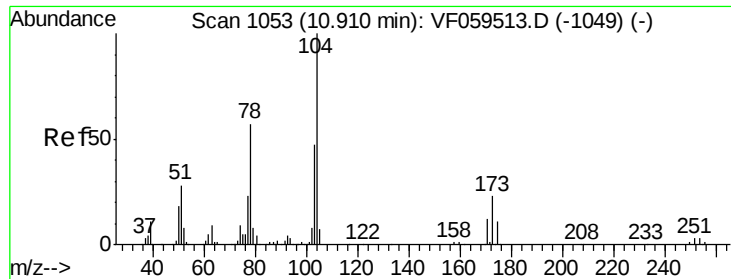


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V

10.05

Time--> 10.02 10.04 10.06 10.08





#70

Stvrene

Concen: 49.53 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.04 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Instrument :

MSVOA_F

ClientSampled :

SB9-10

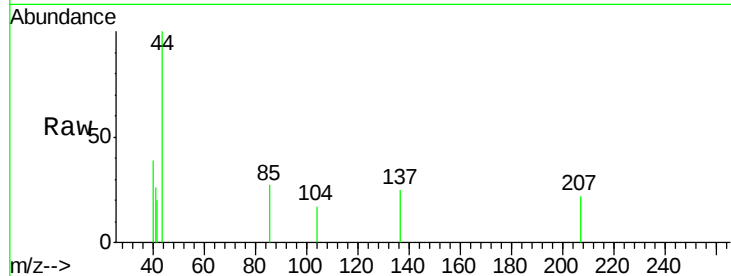
Tot Ion:104 Resp: 64

Ion Ratio Lower Upper

104 100

78 0.0 45.7 68.5#

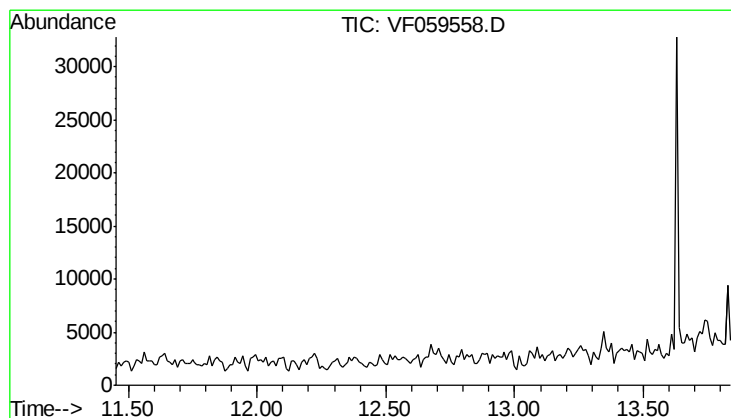
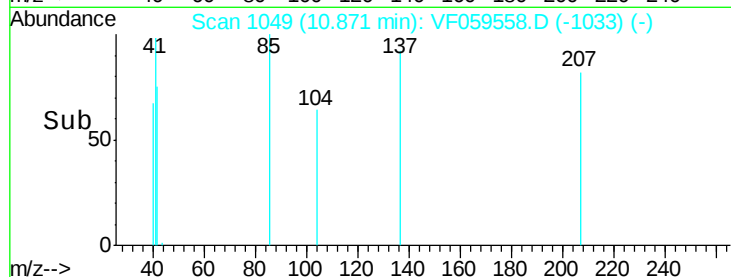
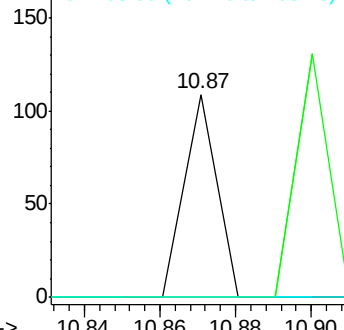
103 0.0 38.1 57.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 0.00 ug/l

Expected RT: 12.64 min

Lab File: VF059558.D

Acq: 19 Jul 2018 14:00

Tgt Ion: 152

Sig Exp Ratio

152 100

115 55.5

150 159.2

