

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059810.D
 Acq On : 2 Aug 2018 19:40
 Operator : VA/AP
 Sample : J4164-06RE
 Misc : 11.94g/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-5(8-10)RE

Quant Time: Aug 03 07:06:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	560	50.00	ug/l	-0.01
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.91
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.63

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.13	65	65	5.44	ug/l	0.11
Spiked Amount	50.000		Recovery	=	10.88%	
35) Dibromofluoromethane	4.27	113	141	24.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	48.48%	
50) Toluene-d8	7.68	98	337	24.85	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	49.70%	
62) 4-Bromofluorobenzene	11.37	95	82	10.92	ug/l	-0.14
Spiked Amount	50.000		Recovery	=	21.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.89	85	185	21.54	ug/l #	44
3) Chloromethane	1.07	50	88	19.82	ug/l #	38
5) Bromomethane	1.17	94	60	14.77	ug/l	92
7) Trichlorofluoromethane	1.54	101	76	6.12	ug/l #	18
8) Diethyl Ether	1.75	74	92	43.33	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.82	101	64	9.84	ug/l #	22
10) Methyl Iodide	1.91	142	64	3.48	ug/l #	20
11) Tert butyl alcohol	2.59	59	75	155.08	ug/l #	74
12) 1,1-Dichloroethene	1.81	96	59	11.46	ug/l #	1
13) Acrolein	2.01	56	66	260.74	ug/l #	4
14) Allyl chloride	2.20	41	85	10.34	ug/l #	1
15) Acrylonitrile	3.12	53	70	90.69	ug/l #	7
16) Acetone	2.32	43	76	35.35	ug/l #	68
18) Methyl Acetate	2.42	43	64	15.78	ug/l #	64
19) Methyl tert-butyl Ether	2.62	73	81	5.16	ug/l #	60
20) Methylene Chloride	2.34	84	70	9.13	ug/l #	1
22) Diisopropyl ether	2.97	45	164	9.43	ug/l #	33
23) Vinyl Acetate	3.31	43	60	6.71	ug/l #	83
24) 1,1-Dichloroethane	2.90	63	76	6.29	ug/l #	91
25) 2-Butanone	4.48	43	204	85.03	ug/l #	74
27) cis-1,2-Dichloroethene	3.71	96	73	11.28	ug/l	1
28) Bromochloromethane	3.95	49	95	19.82	ug/l #	15
29) Tetrahydrofuran	4.22	42	104	112.79	ug/l #	39
31) Cyclohexane	3.88	56	60	6.68	ug/l #	15
36) 1,1-Dichloropropene	4.38	75	69	8.92	ug/l #	46
37) Ethyl Acetate	4.27	43	86	28.81	ug/l #	19
38) Carbon Tetrachloride	4.23	117	60	6.74	ug/l #	14
40) Benzene	4.75	78	71	6.28	ug/l #	52
41) Methacrylonitrile	4.94	41	64	45.13	ug/l #	24
43) Isopropyl Acetate	7.10	43	103	30.76	ug/l #	46
45) 1,2-Dichloropropane	6.44	63	66	22.10	ug/l #	43
47) Bromodichloromethane	6.42	83	73	9.45	ug/l #	25
48) Methyl methacrylate	6.89	41	59	23.42	ug/l #	13
49) 1,4-Dioxane	6.74	88	86	3918.54	ug/l #	21

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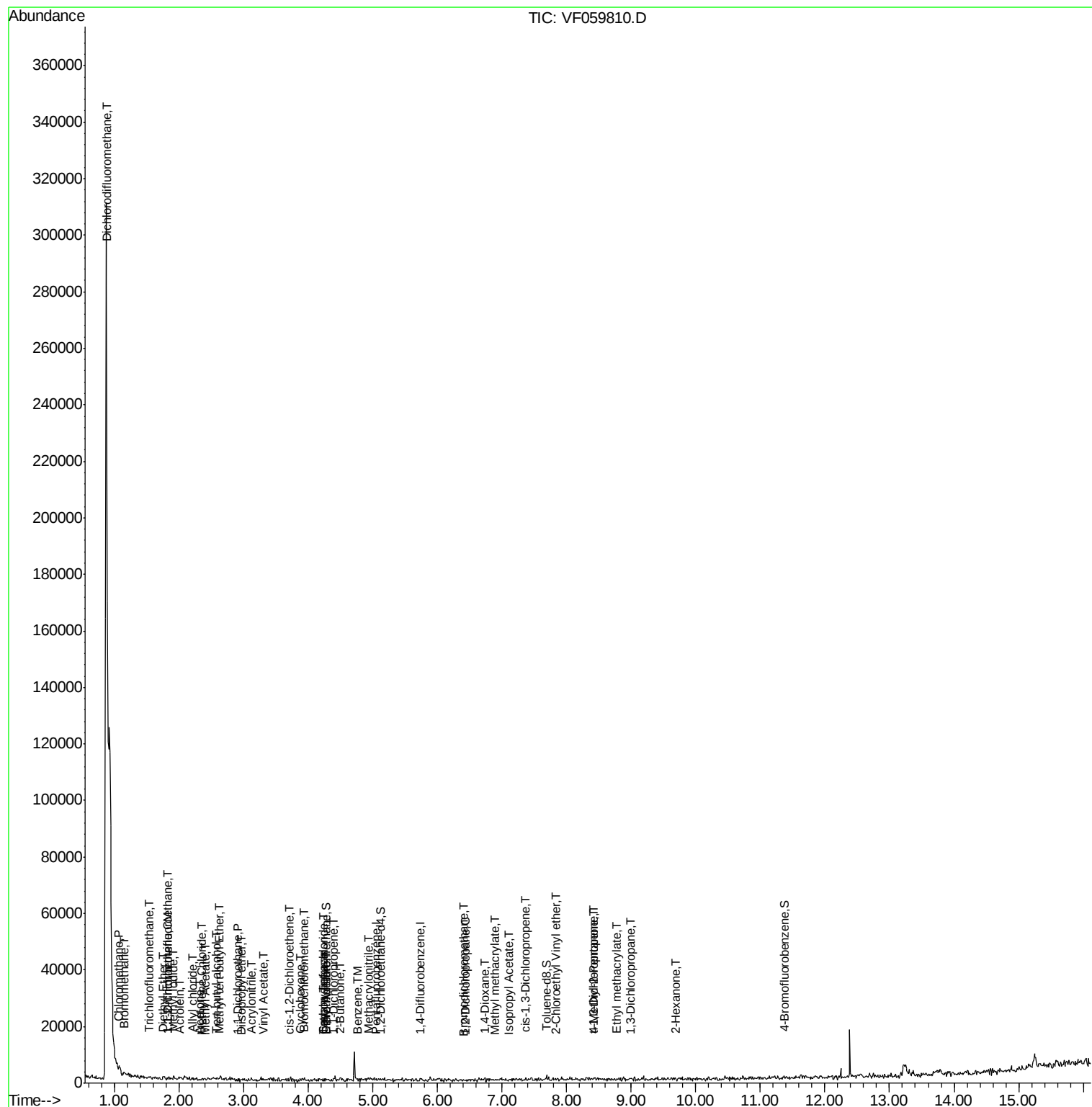
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) 4-Methyl-2-Pentanone	8.41	43	70	27.48	ug/l #	42
53) t-1,3-Dichloropropene	8.41	75	63	9.40	ug/l #	41
54) cis-1,3-Dichloropropene	7.37	75	105	16.18	ug/l #	18
56) Ethyl methacrylate	8.79	69	73	22.85	ug/l #	25
57) 1,3-Dichloropropane	8.98	76	62	11.80	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.83	63	66	178.96	ug/l	100
59) 2-Hexanone	9.68	43	73	35.76	ug/l #	30

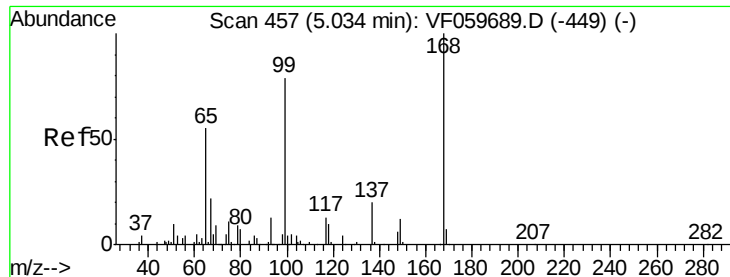
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

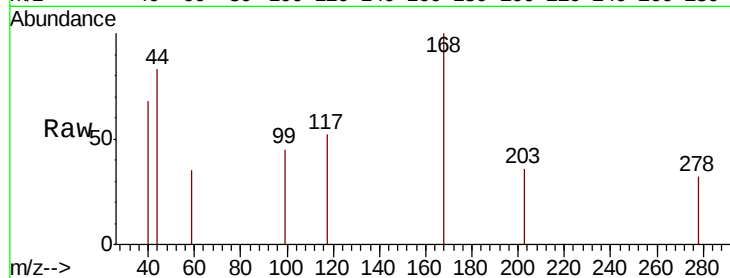
SB-5(8-10)RE

Tot Ion:168 Resp: 665

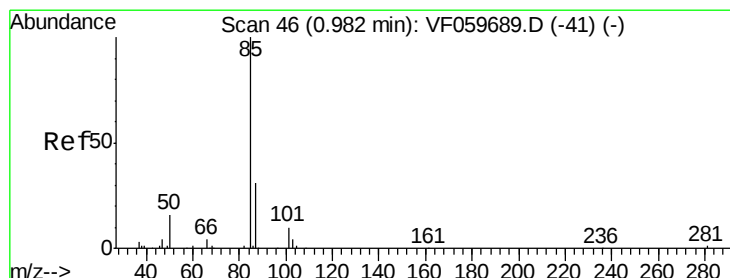
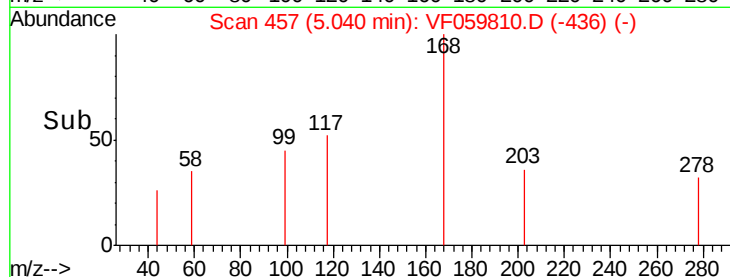
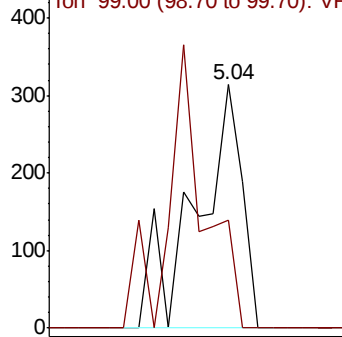
Ion Ratio Lower Upper

168 100

99 44.6 63.3 94.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 21.54 ug/l

RT: 0.89 min Scan# 36

Delta R.T. -0.09 min

Lab File: VF059810.D

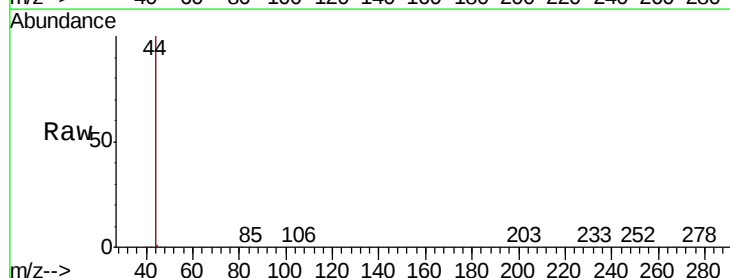
Acq: 2 Aug 2018 19:40

Tgt Ion: 85 Resp: 185

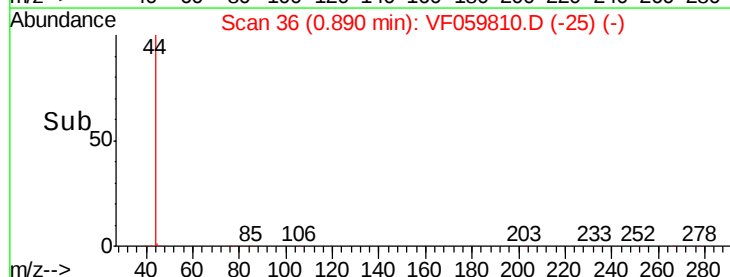
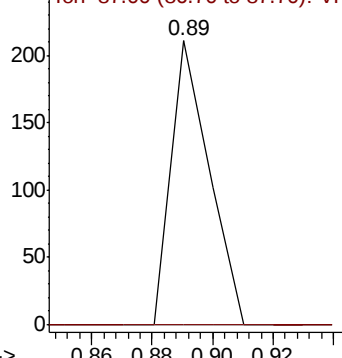
Ion Ratio Lower Upper

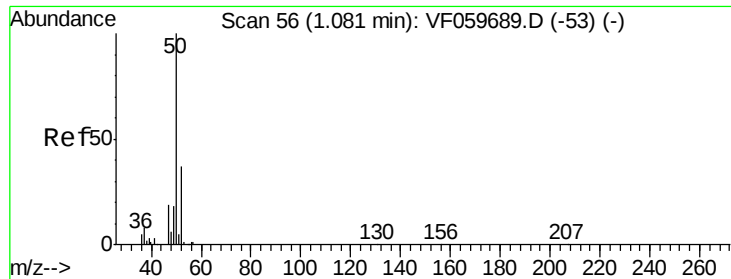
85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 19.82 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

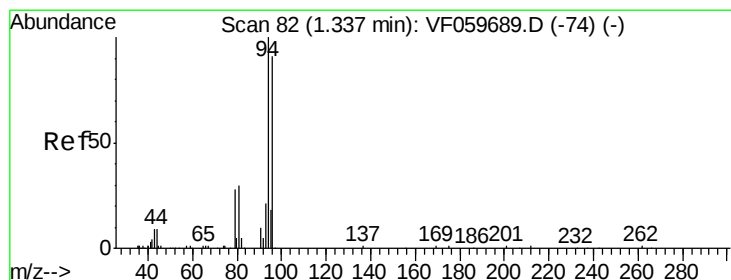
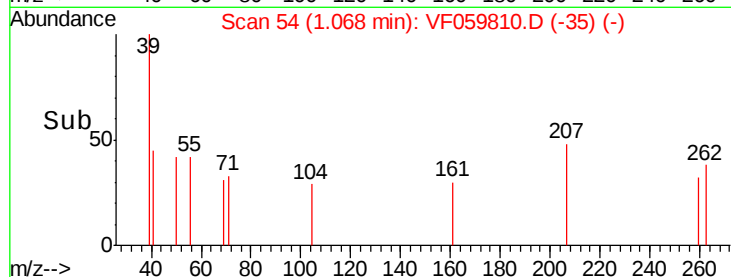
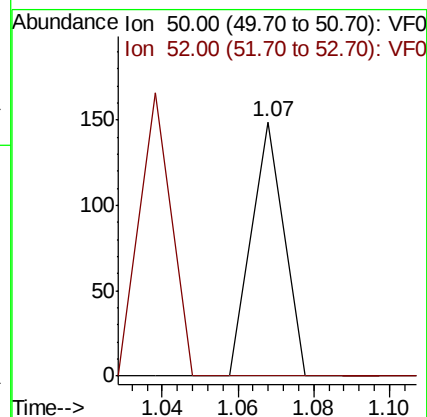
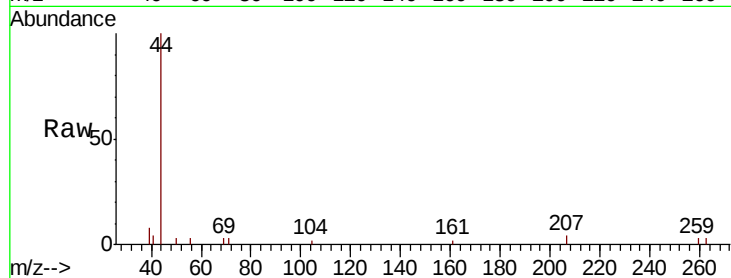
SB-5(8-10)RE

Tot Ion: 50 Resp: 88

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



#5

Bromomethane

Concen: 14.77 ug/l

RT: 1.17 min Scan# 64

Delta R.T. -0.17 min

Lab File: VF059810.D

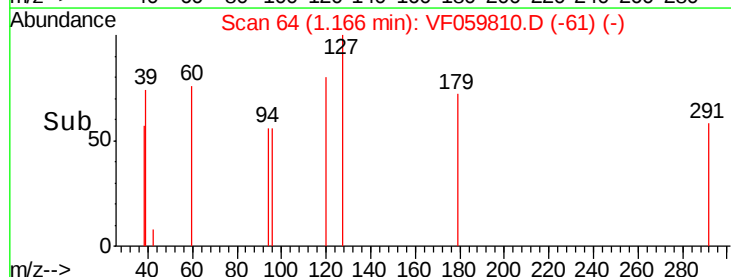
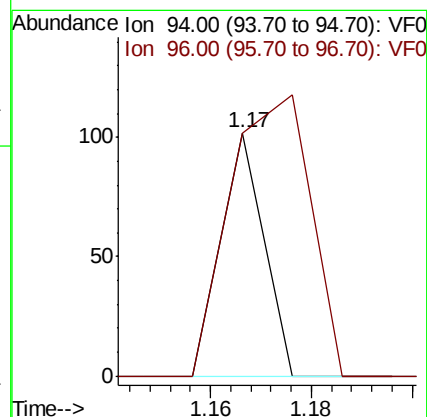
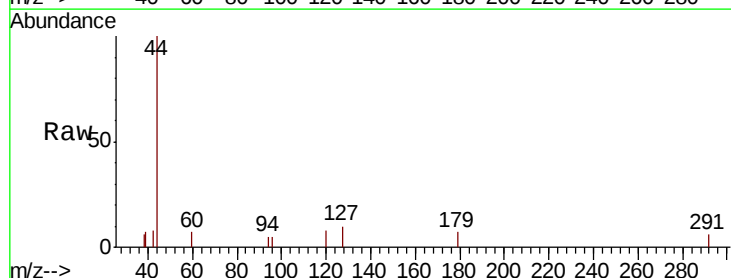
Acq: 2 Aug 2018 19:40

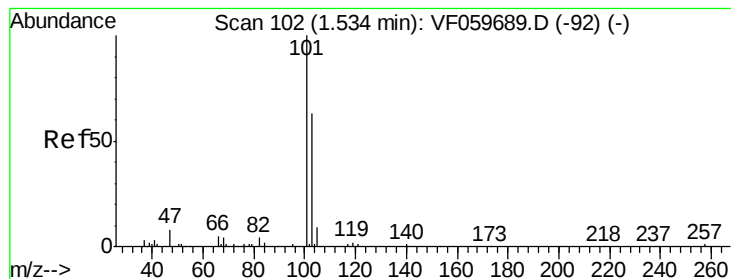
Tgt Ion: 94 Resp: 60

Ion Ratio Lower Upper

94 100

96 100.0 73.6 110.4





#7

Trichlorofluoromethane

Concen: 6.12 ug/l

RT: 1.54 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

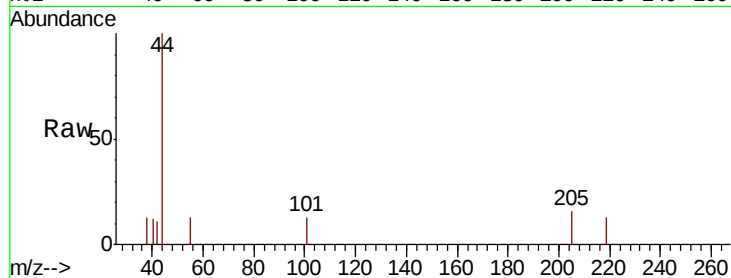
SB-5(8-10)RE

Tot Ion:101 Resp: 76

Ion Ratio Lower Upper

101 100

103 0.0 50.8 76.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.54

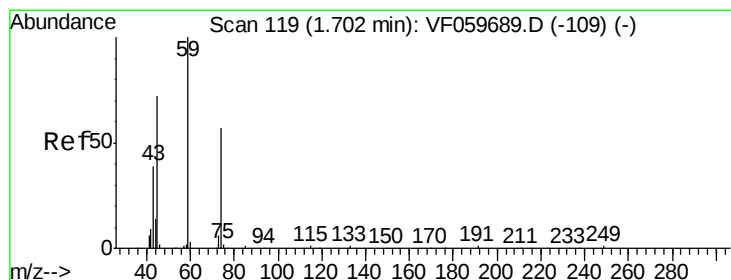
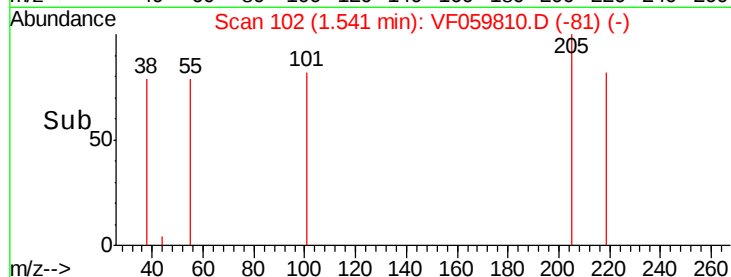
150

100

50

0

Time-->



#8

Diethyl Ether

Concen: 43.33 ug/l

RT: 1.75 min Scan# 123

Delta R.T. 0.05 min

Lab File: VF059810.D

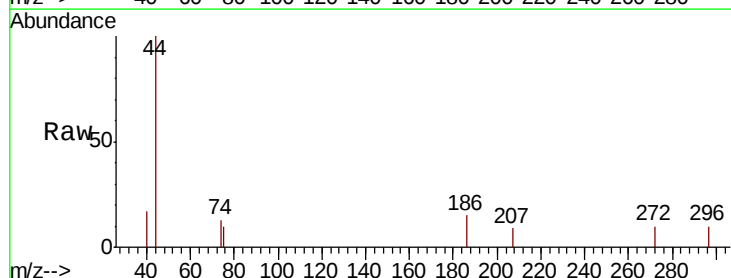
Acq: 2 Aug 2018 19:40

Tgt Ion: 74 Resp: 92

Ion Ratio Lower Upper

74 100

45 0.0 62.7 188.2#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.75

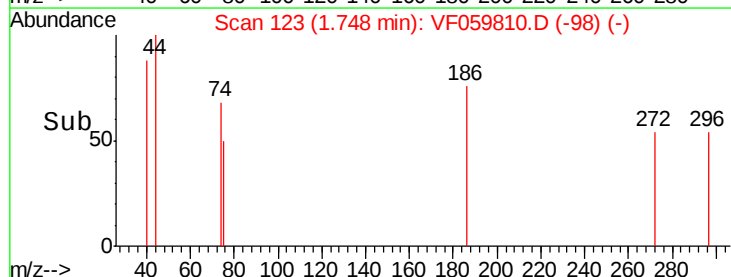
150

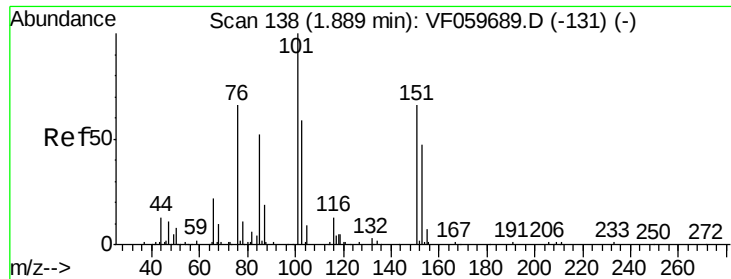
100

50

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.84 ug/l

RT: 1.82 min Scan# 130

Delta R.T. -0.07 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

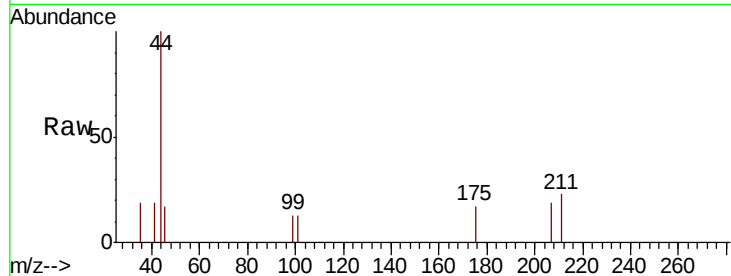
Instrument :

MSVOA_F

ClientSampleId :

SB-5(8-10)RE

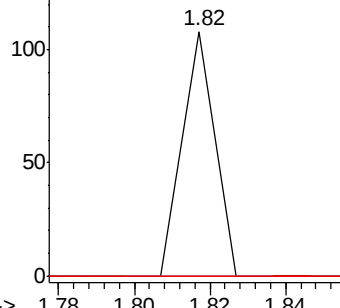
Tot Ion:	101	Resp:	64
Ion	Ratio	Lower	Upper
101	100		
85	0.0	40.7	61.1#
151	0.0	51.4	77.2#



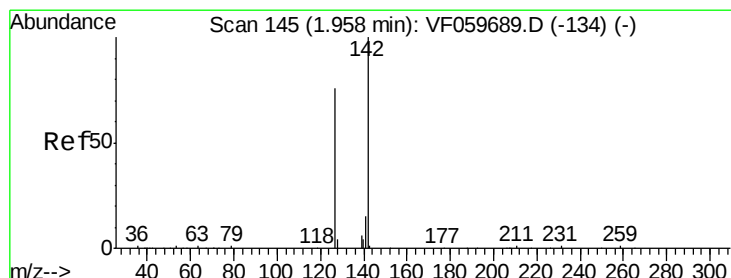
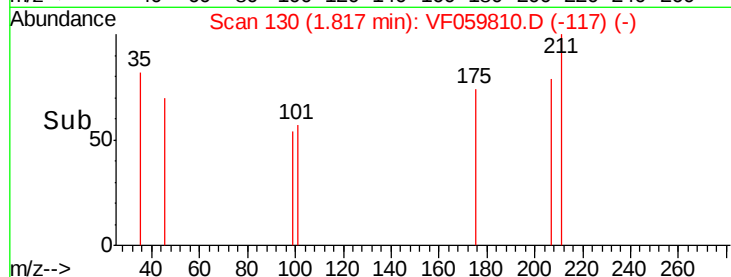
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



Time--> 1.78 1.80 1.82 1.84



#10

Methyl Iodide

Concen: 3.48 ug/l

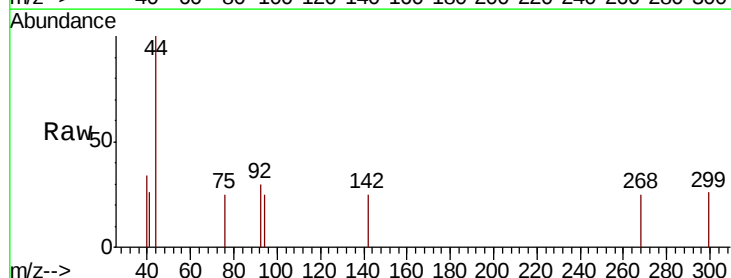
RT: 1.91 min Scan# 139

Delta R.T. -0.05 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

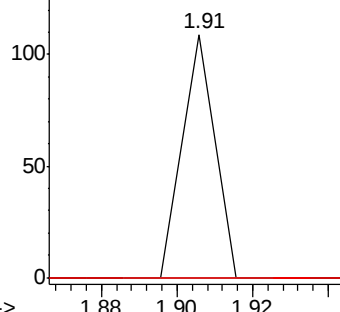
Tgt Ion:	142	Resp:	64
Ion	Ratio	Lower	Upper
142	100		
127	0.0	60.6	91.0#
141	0.0	12.0	18.0#



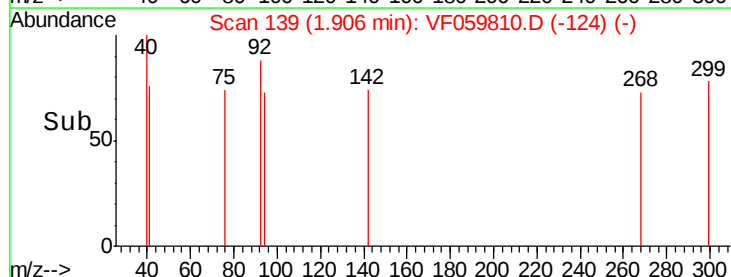
Abundance Ion 142.00 (141.70 to 142.70): V

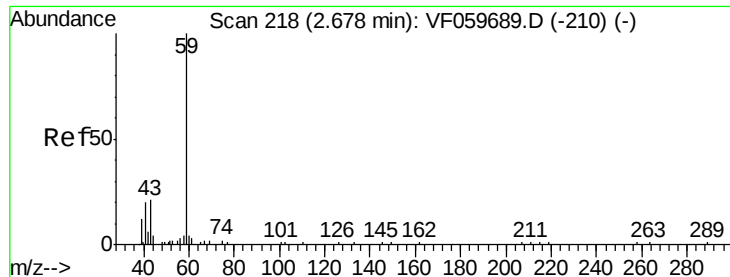
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



Time--> 1.88 1.90 1.92



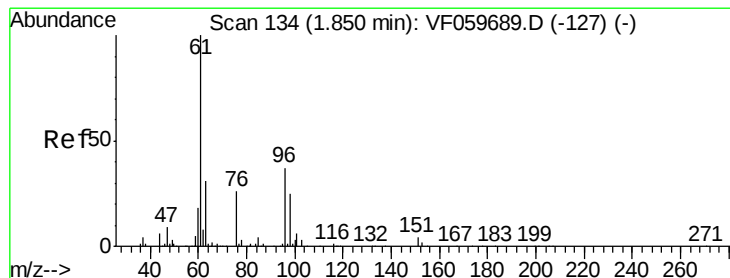
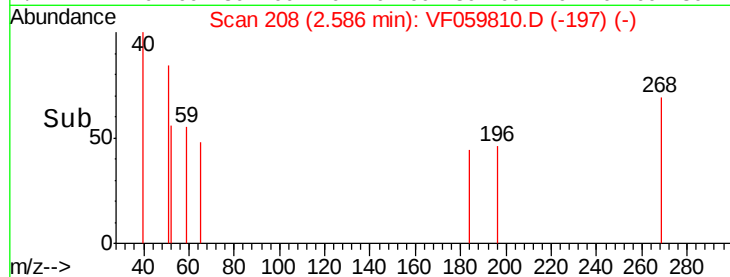
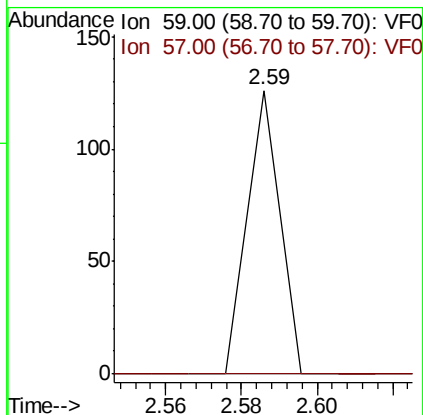
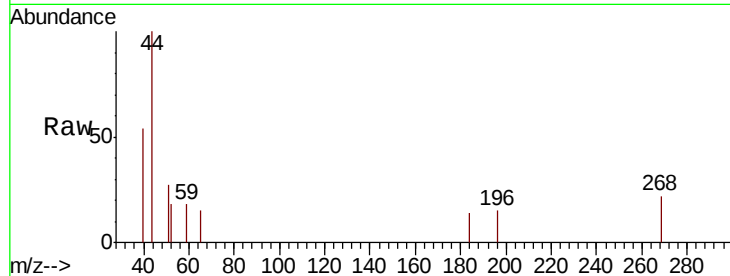


#11

Tert butyl alcohol
 Concen: 155.08 ug/l
 RT: 2.59 min Scan# 208
 Delta R.T. -0.09 min
 Lab File: VF059810.D
 Acq: 2 Aug 2018 19:40

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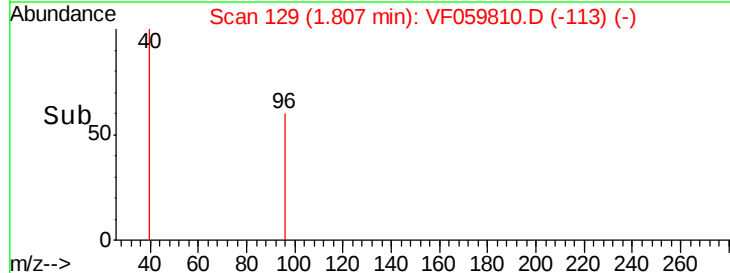
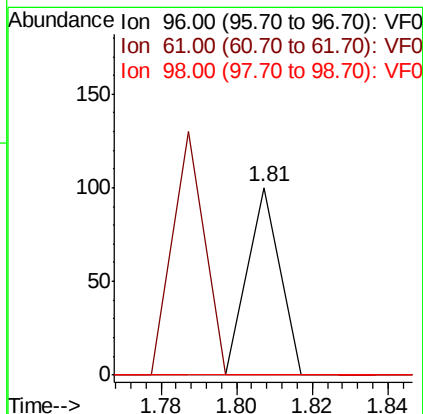
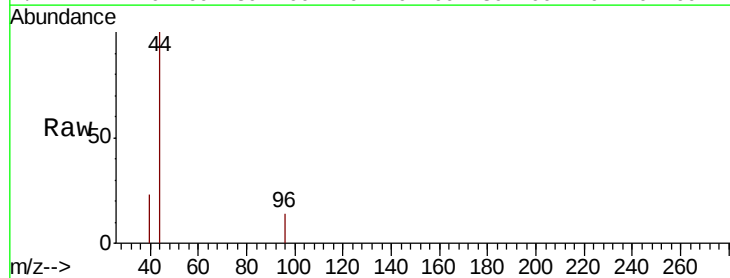
Tot Ion: 59 Resp: 75
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

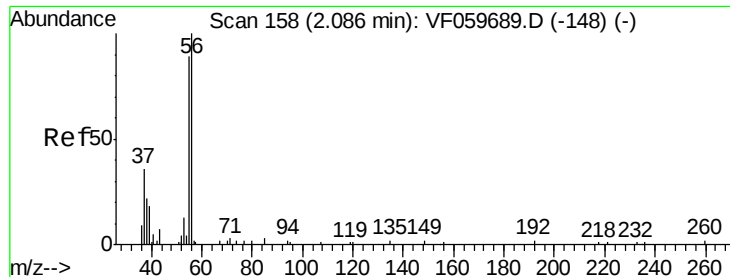


#12

1,1-Dichloroethene
 Concen: 11.46 ug/l
 RT: 1.81 min Scan# 129
 Delta R.T. -0.04 min
 Lab File: VF059810.D
 Acq: 2 Aug 2018 19:40

Tgt Ion: 96 Resp: 59
 Ion Ratio Lower Upper
 96 100
 61 0.0 215.1 322.7#
 98 0.0 54.3 81.5#





#13

Acrolein

Concen: 260.74 ug/l

RT: 2.01 min Scan# 150

Delta R.T. -0.07 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

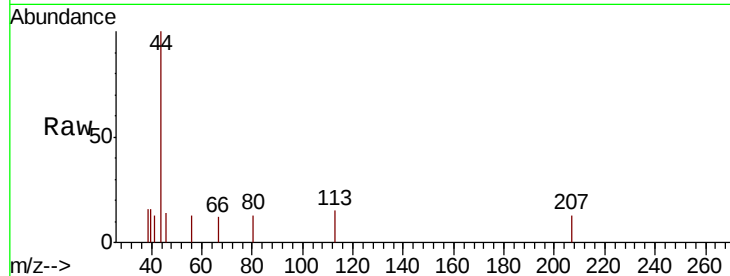
SB-5(8-10)RE

Tot Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 0.0 73.2 109.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.01

120

100

80

60

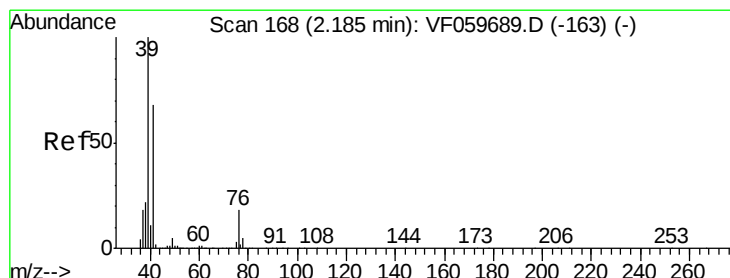
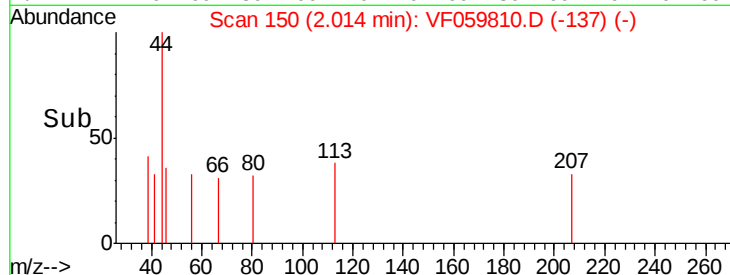
40

20

0

1.98 2.00 2.02 2.04

Time-->



#14

Allyl chloride

Concen: 10.34 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.02 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

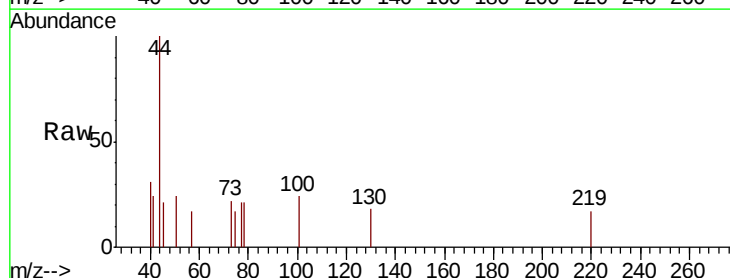
Tgt Ion: 41 Resp: 85

Ion Ratio Lower Upper

41 100

39 0.0 118.1 177.1#

76 0.0 22.0 33.0#



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

300

250

200

150

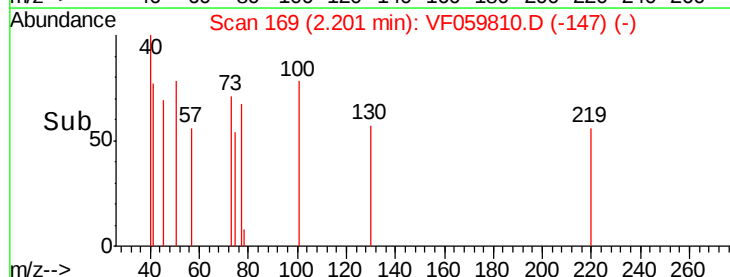
100

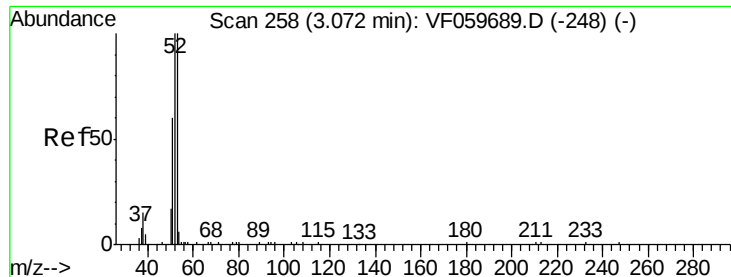
50

0

2.18 2.20 2.22

Time-->





#15

Acrylonitrile

Concen: 90.69 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.05 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

SB-5(8-10)RE

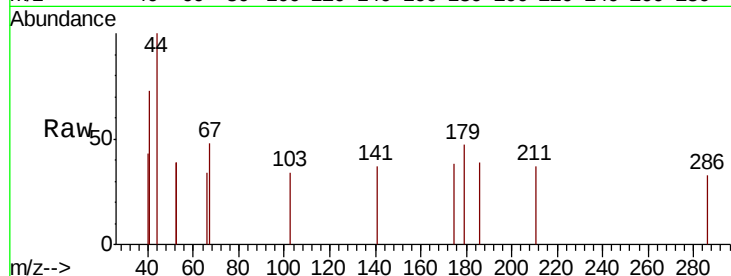
Tot Ion: 53 Resp: 70

Ion Ratio Lower Upper

53 100

52 200.8 80.3 120.5#

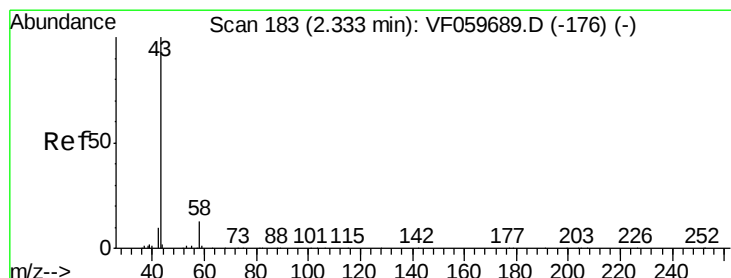
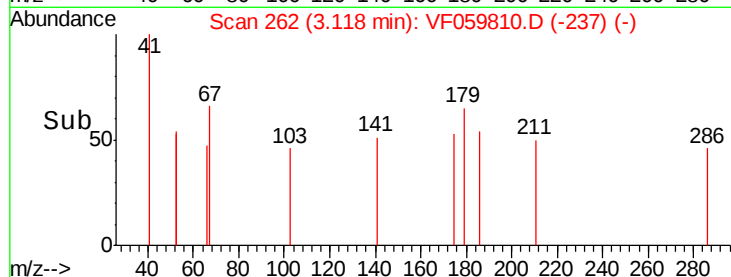
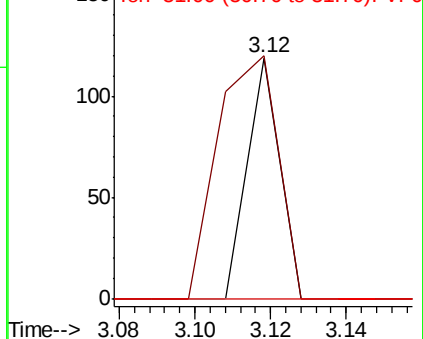
51 0.0 49.4 74.0#



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: 35.35 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059810.D

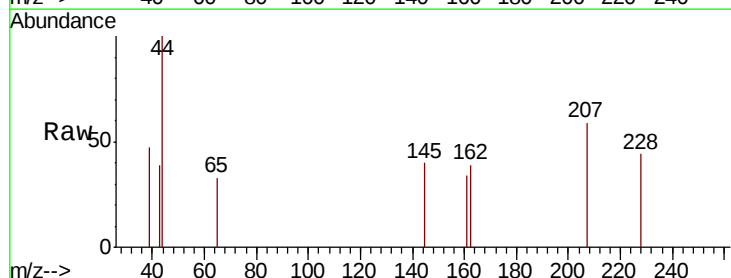
Acq: 2 Aug 2018 19:40

Tgt Ion: 43 Resp: 76

Ion Ratio Lower Upper

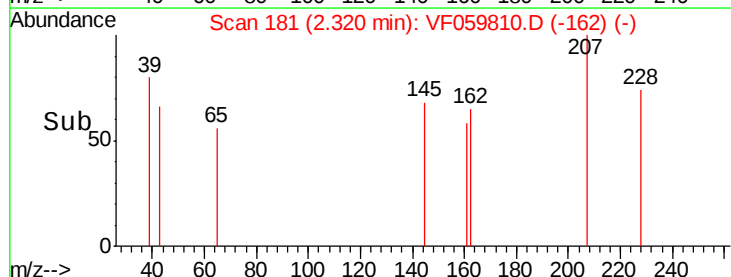
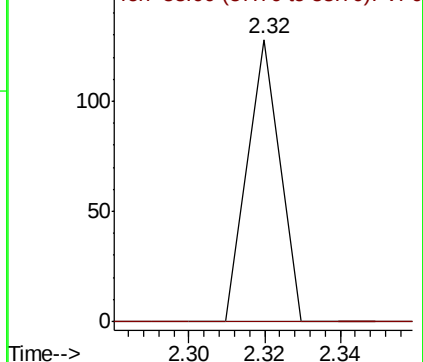
43 100

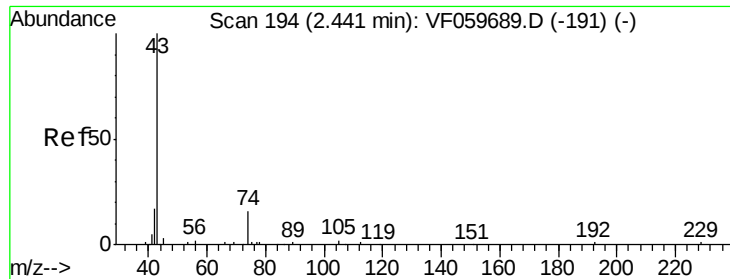
58 0.0 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

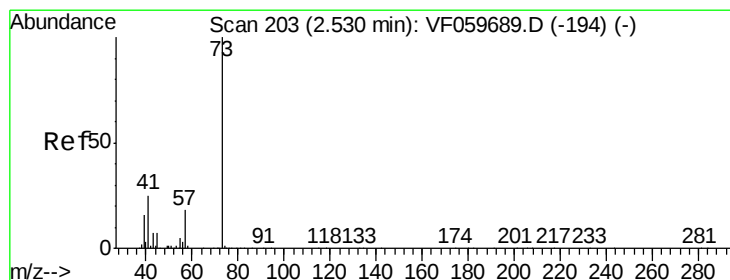
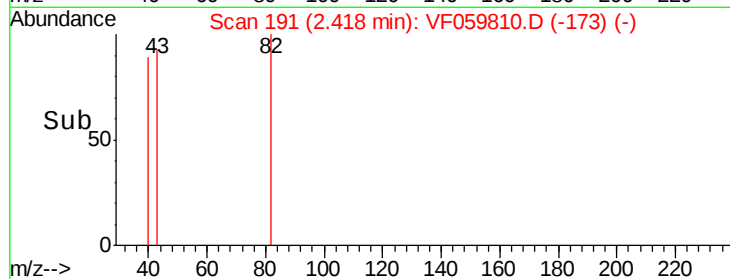
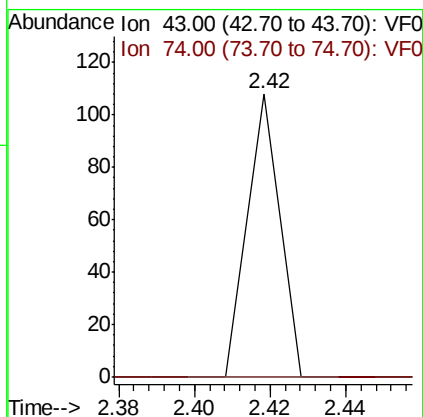
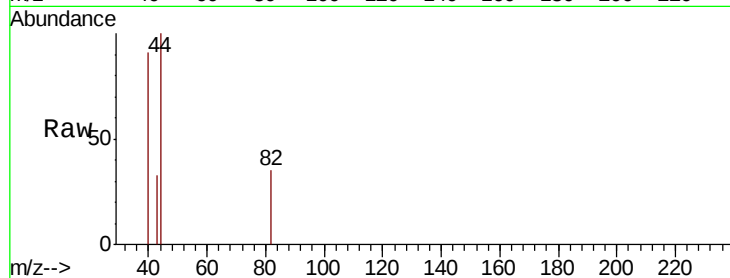




#18
Methyl Acetate
Concen: 15.78 ug/l
RT: 2.42 min Scan# 191
Delta R.T. -0.02 min
Lab File: VF059810.D
Acq: 2 Aug 2018 19:40

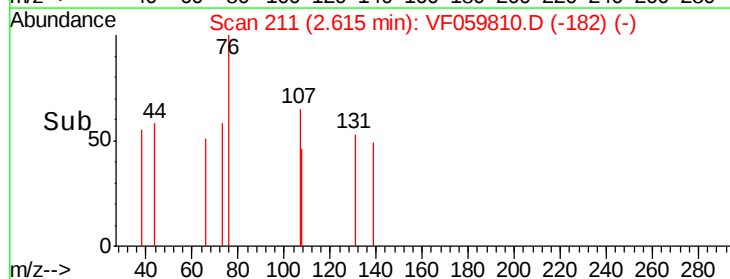
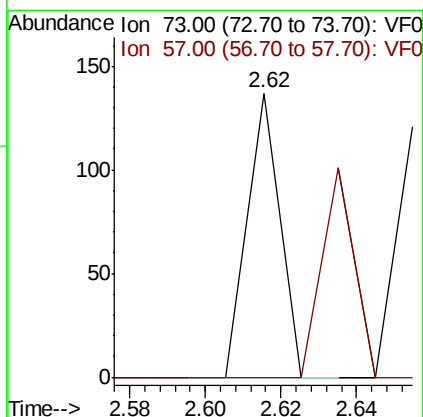
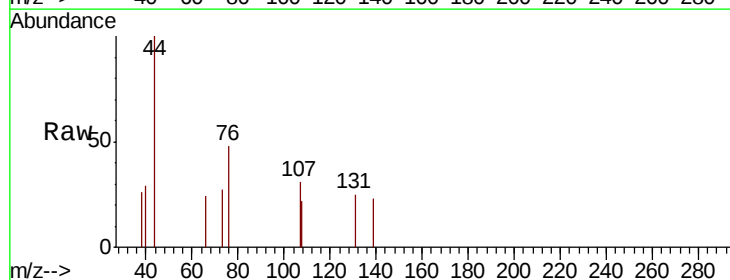
Instrument :
MSVOA_F
ClientSampleId :
SB-5(8-10)RE

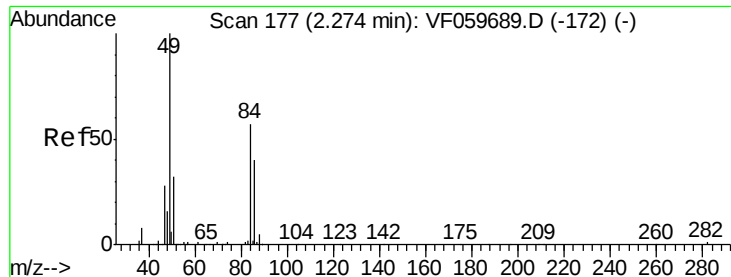
Tot Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#19
Methyl tert-butyl Ether
Concen: 5.16 ug/l
RT: 2.62 min Scan# 211
Delta R.T. 0.09 min
Lab File: VF059810.D
Acq: 2 Aug 2018 19:40

Tgt Ion: 73 Resp: 81
Ion Ratio Lower Upper
73 100
57 0.0 14.2 21.2#

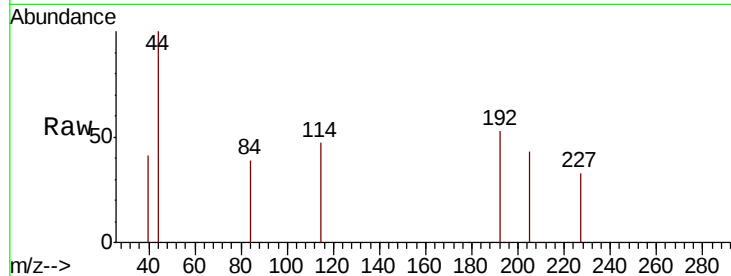




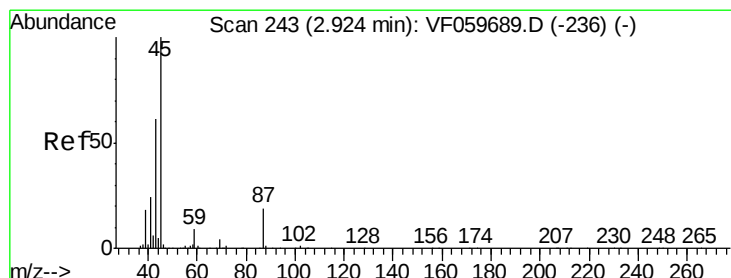
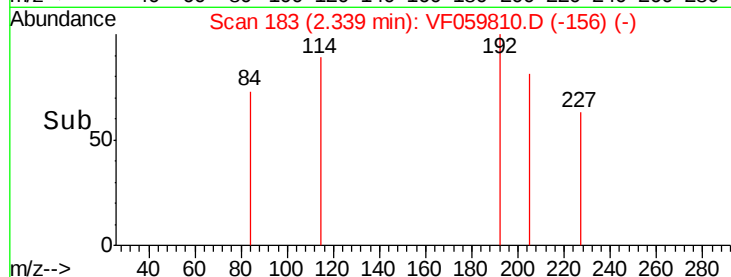
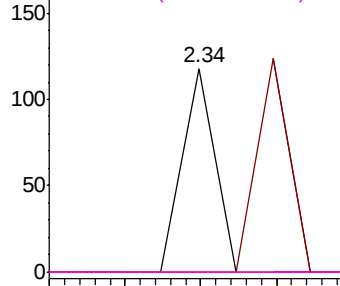
#20
Methvlene Chloride
Concen: 9.13 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.07 min
Lab File: VF059810.D
Acq: 2 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
SB-5(8-10)RE

Tot Ion:	84	Resp:	70
Ion	Ratio	Lower	Upper
84	100		
49	0.0	142.2	213.4#
51	0.0	46.2	69.2#
86	0.0	57.1	85.7#

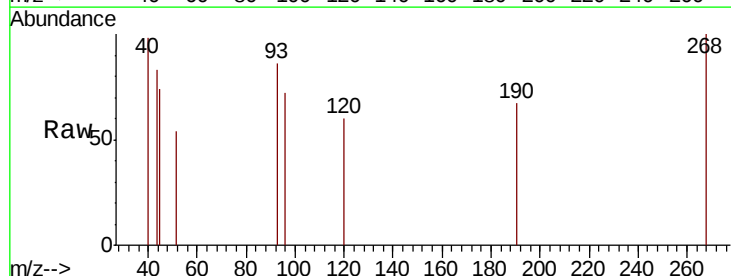


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

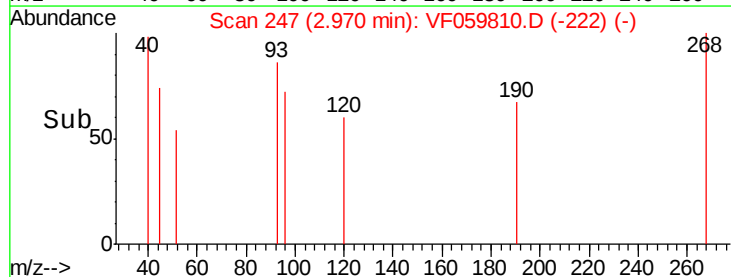
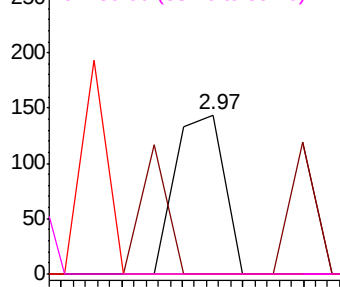


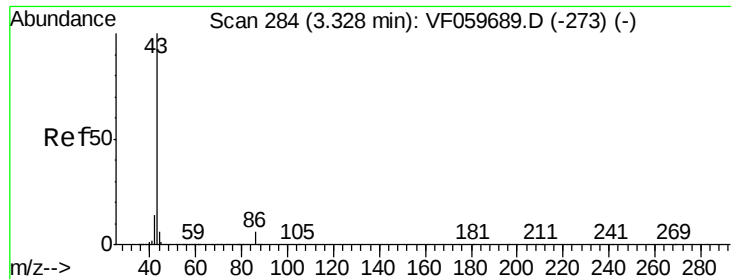
#22
Diisopropyl ether
Concen: 9.43 ug/l
RT: 2.97 min Scan# 247
Delta R.T. 0.05 min
Lab File: VF059810.D
Acq: 2 Aug 2018 19:40

Tgt Ion:	45	Resp:	164
Ion	Ratio	Lower	Upper
45	100		
43	0.0	49.3	73.9#
87	0.0	15.3	22.9#
59	0.0	7.1	10.7#



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: 6.71 ug/l

RT: 3.31 min Scan# 281

Delta R.T. -0.02 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

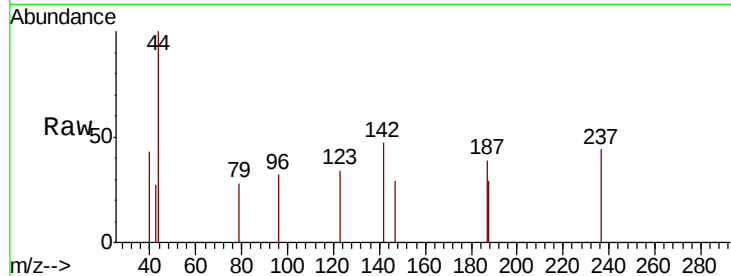
SB-5(8-10)RE

Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

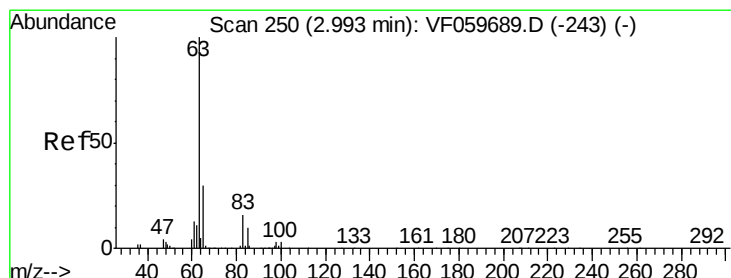
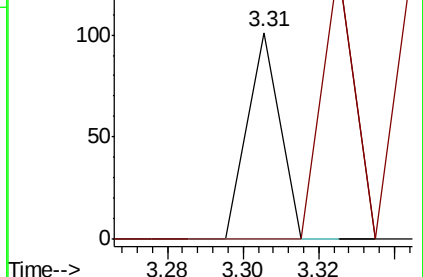
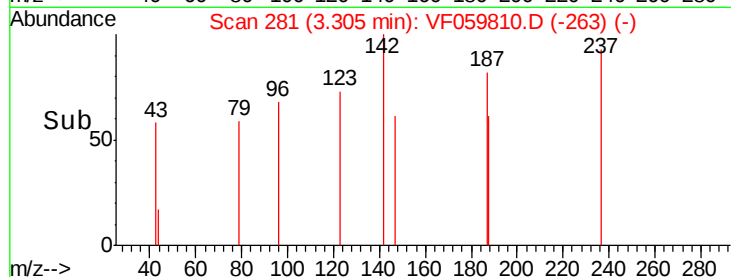
86 0.0 4.6 6.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

Time-->



#24

1,1-Dichloroethane

Concen: 6.29 ug/l

RT: 2.90 min Scan# 240

Delta R.T. -0.09 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

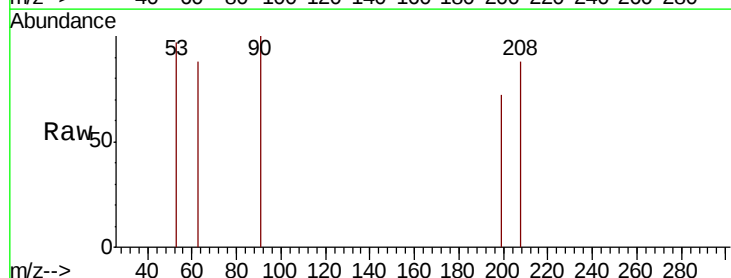
Tgt Ion: 63 Resp: 76

Ion Ratio Lower Upper

63 100

98 0.0 1.4 4.2#

100 0.0 1.6 4.7#

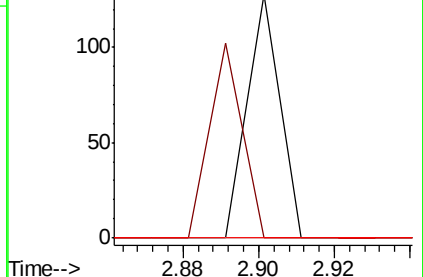
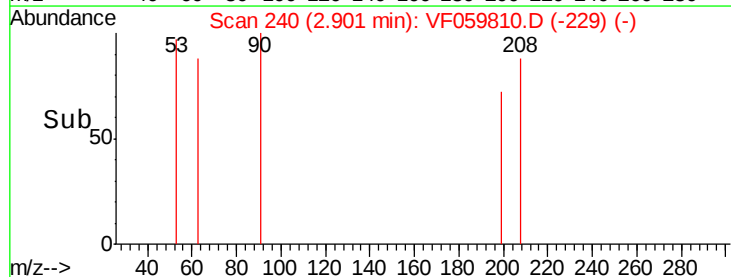


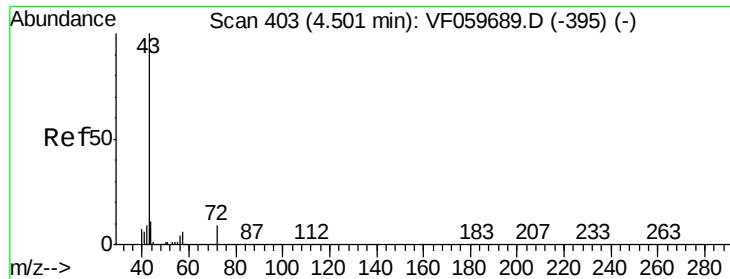
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Time-->

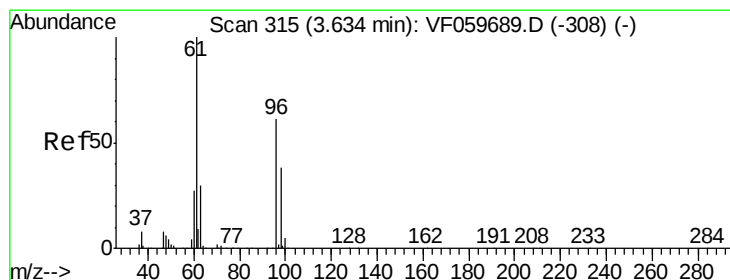
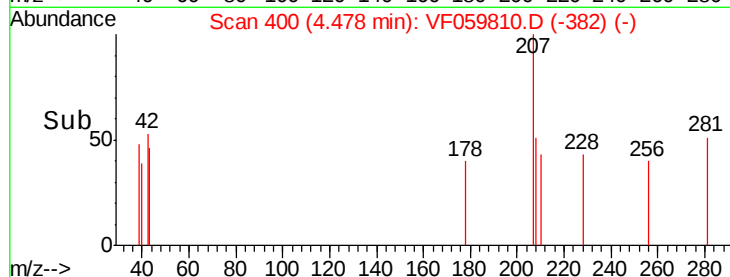
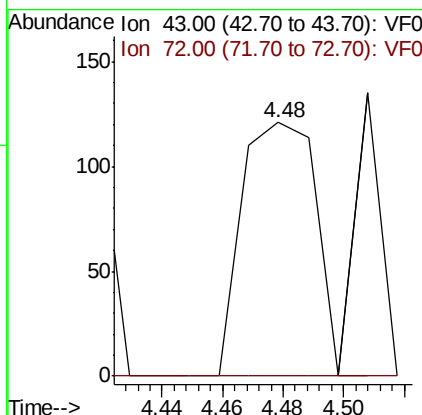
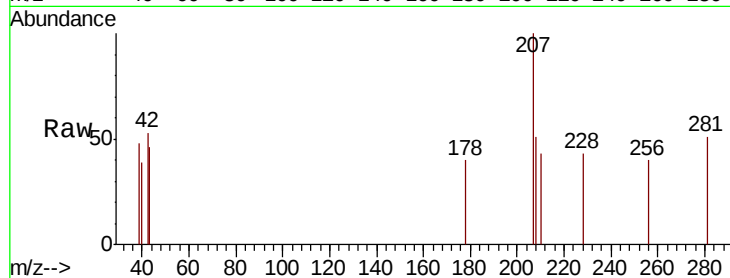




#25
2-Butanone
Concen: 85.03 ug/l
RT: 4.48 min Scan# 400
Delta R.T. -0.02 min
Lab File: VF059810.D
Acq: 2 Aug 2018 19:40

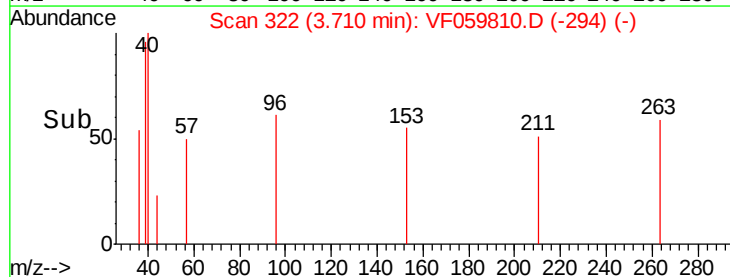
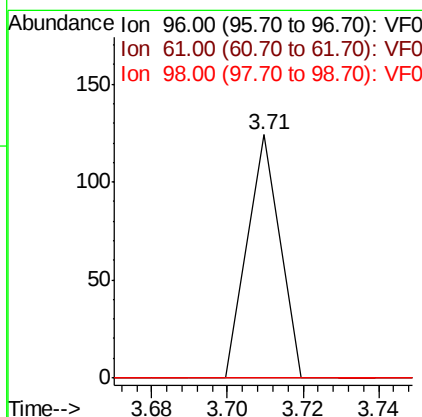
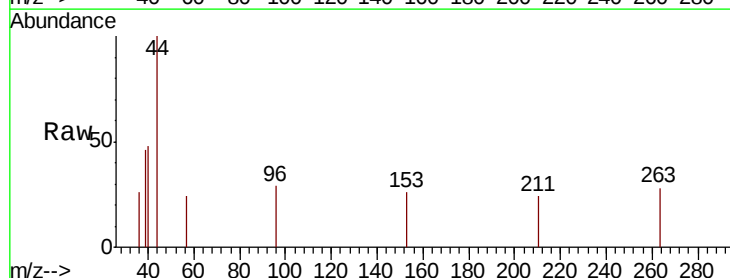
Instrument :
MSVOA_F
ClientSampleId :
SB-5(8-10)RE

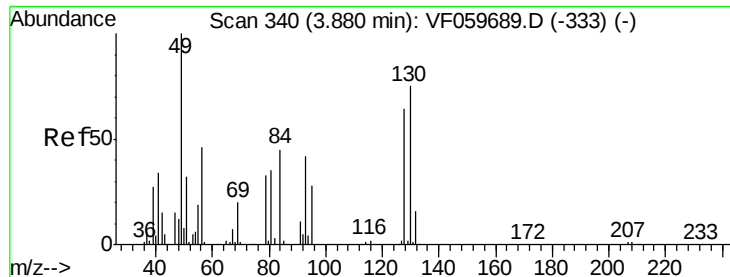
Tot Ion: 43 Resp: 204
Ion Ratio Lower Upper
43 100
72 0.0 7.7 11.5#



#27
cis-1,2-Dichloroethene
Concen: 11.28 ug/l
RT: 3.71 min Scan# 322
Delta R.T. 0.08 min
Lab File: VF059810.D
Acq: 2 Aug 2018 19:40

Tgt Ion: 96 Resp: 73
Ion Ratio Lower Upper
96 100
61 0.0 0.0 326.8
98 0.0 0.0 125.2





#28

Bromochloromethane

Concen: 19.82 ug/l

RT: 3.95 min Scan# 346

Delta R.T. 0.07 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

SB-5(8-10)RE

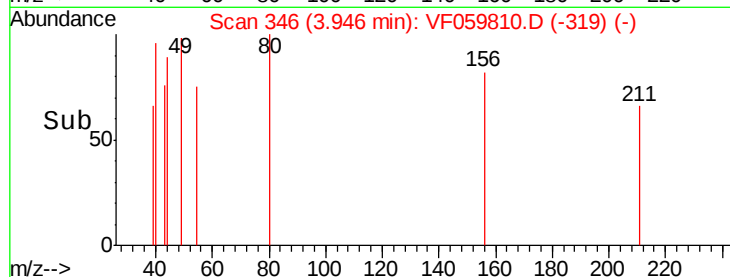
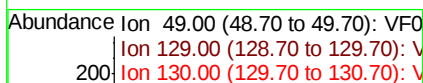
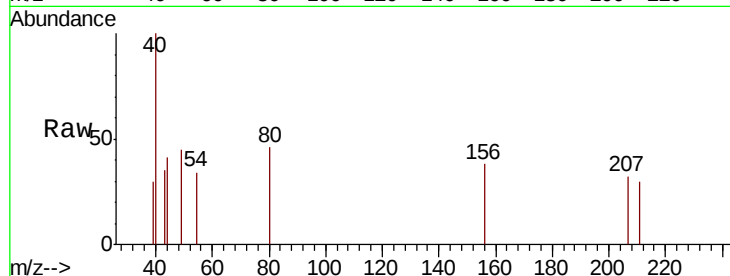
Tot Ion: 49 Resp: 95

Ion Ratio Lower Upper

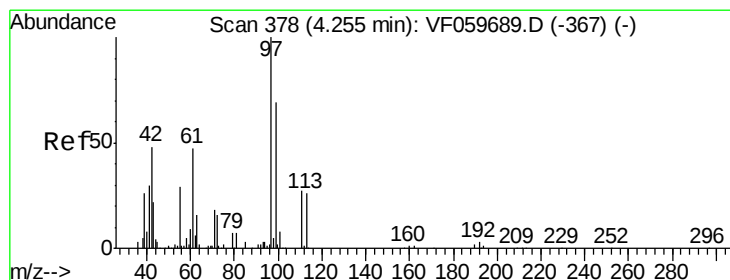
49 100

129 0.0 0.0 4.8

130 0.0 59.6 89.4#



Time-->



#29

Tetrahydrofuran

Concen: 112.79 ug/l

RT: 4.22 min Scan# 374

Delta R.T. -0.03 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

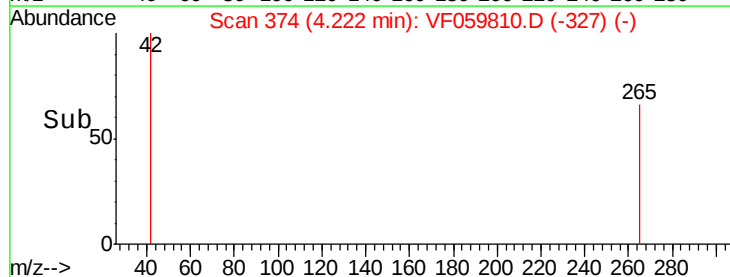
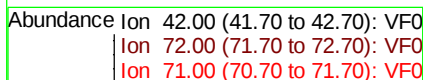
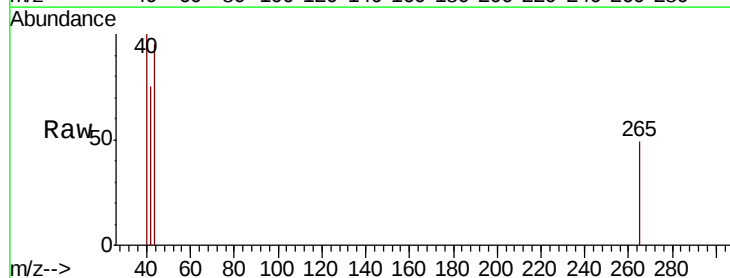
Tgt Ion: 42 Resp: 104

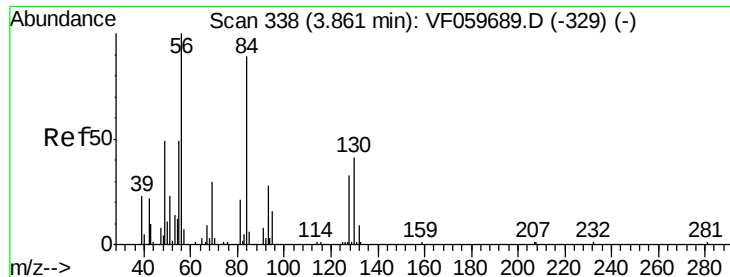
Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

71 0.0 29.7 44.5#

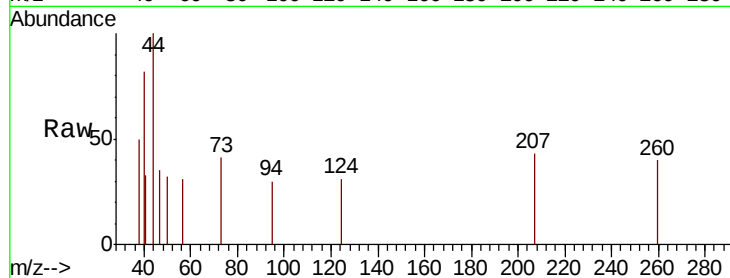




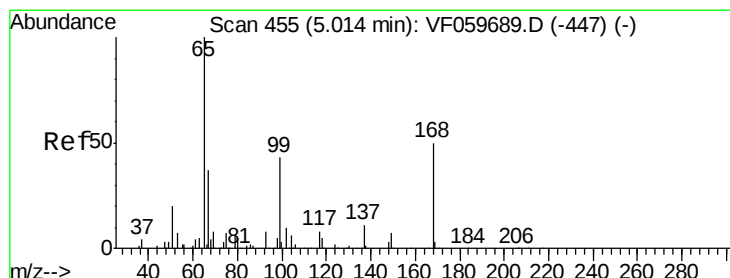
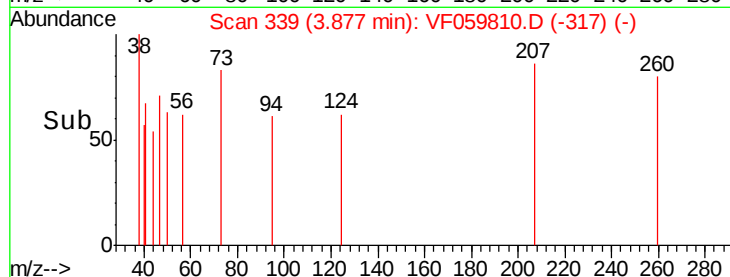
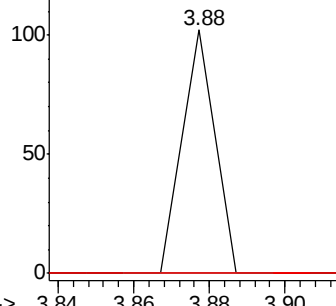
#31
Cyclohexane
Concen: 6.68 ug/l
RT: 3.88 min Scan# 339
Delta R.T. 0.02 min
Lab File: VF059810.D
Acq: 2 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
SB-5(8-10)RE

Tot Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

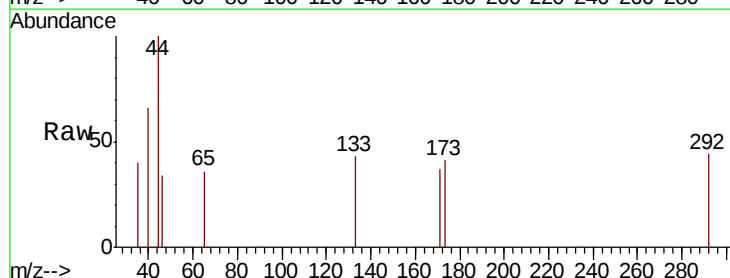


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

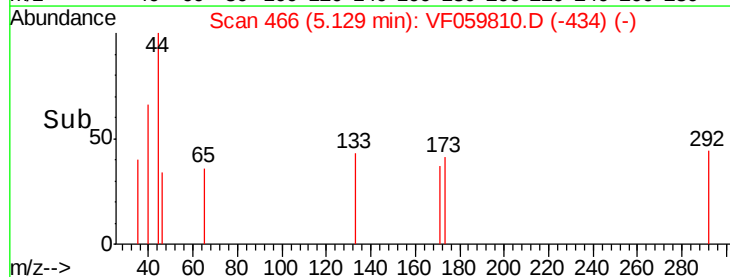
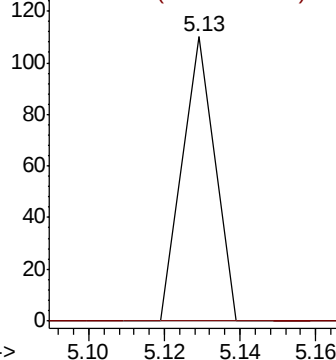


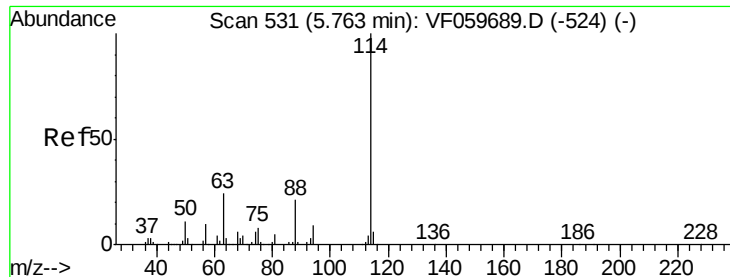
#33
1,2-Dichloroethane-d4
Concen: 5.44 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.11 min
Lab File: VF059810.D
Acq: 2 Aug 2018 19:40

Tgt Ion: 65 Resp: 65
Ion Ratio Lower Upper
65 100
67 0.0 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

SB-5(8-10)RE

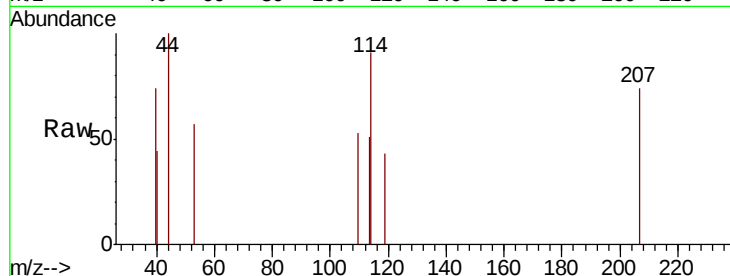
Tot Ion:114 Resp: 560

Ion Ratio Lower Upper

114 100

63 0.0 0.0 47.4

88 0.0 0.0 41.2



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

5.75

250

200

150

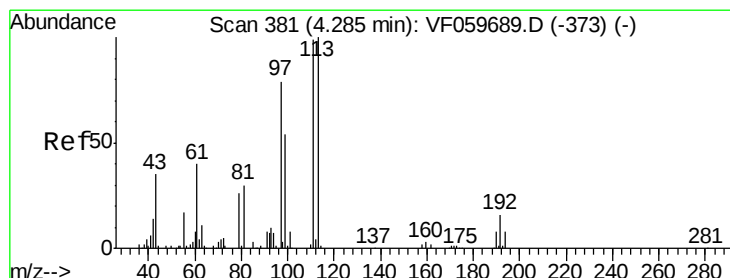
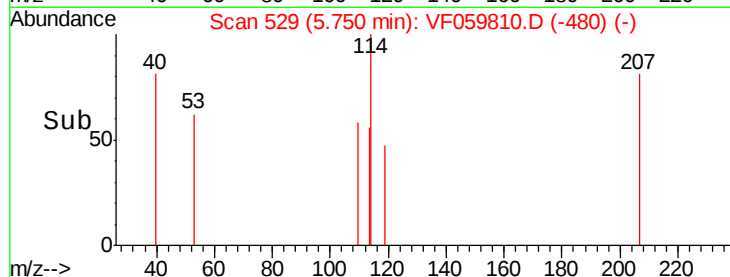
100

50

0

5.70 5.75 5.80

Time-->



#35

Dibromofluoromethane

Concen: 24.24 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

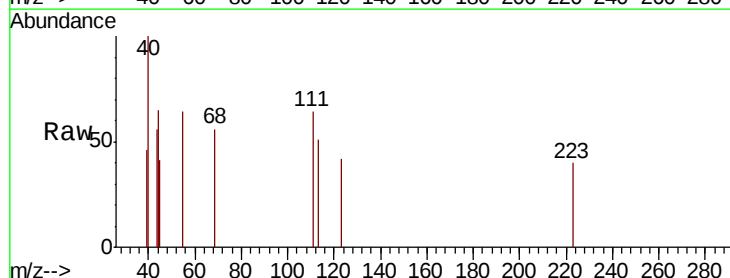
Tgt Ion:113 Resp: 141

Ion Ratio Lower Upper

113 100

111 125.0 79.0 118.4#

192 0.0 13.2 19.8#



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

200

150

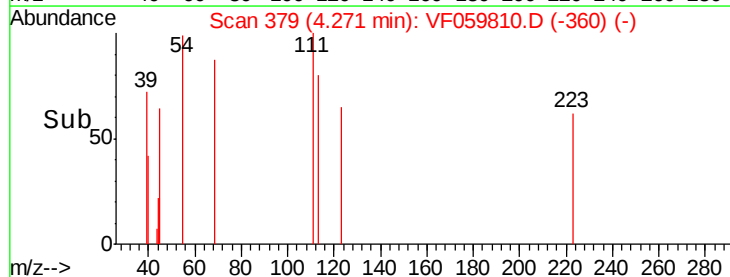
100

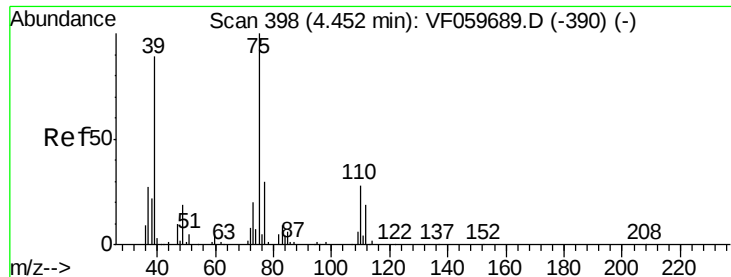
50

0

4.24 4.26 4.28 4.30

Time-->

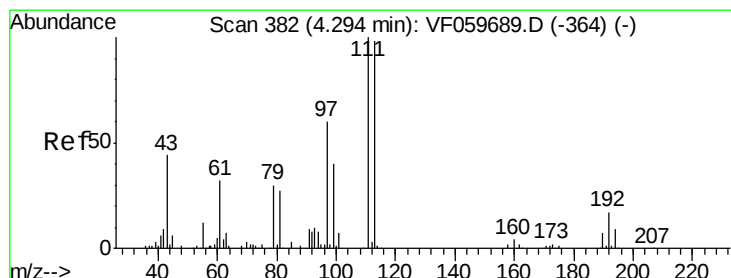
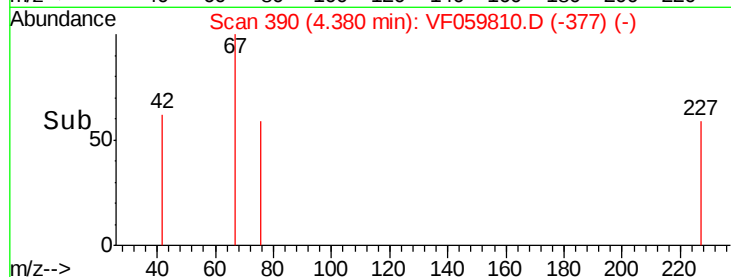
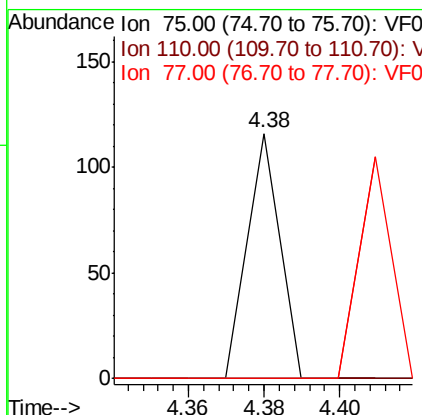
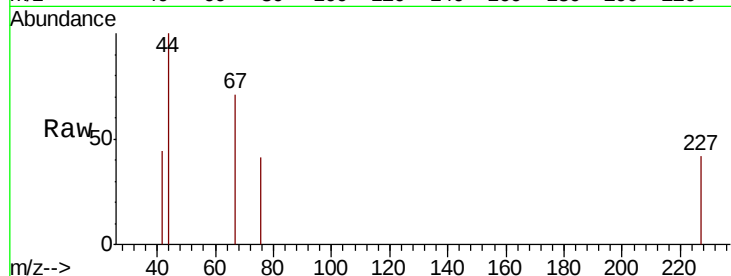




#36
 1,1-Dichloropropene
 Concen: 8.92 ug/l
 RT: 4.38 min Scan# 390
 Delta R.T. -0.07 min
 Lab File: VF059810.D
 Acq: 2 Aug 2018 19:40

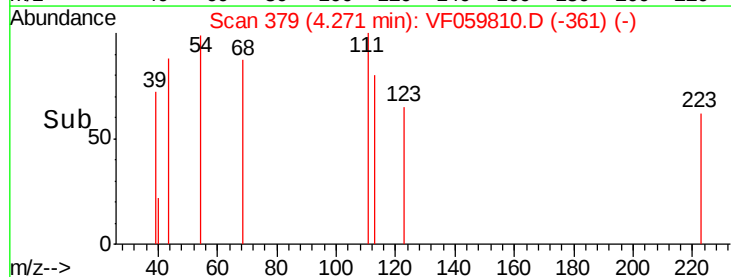
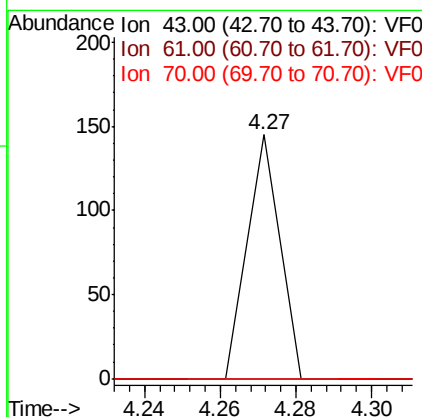
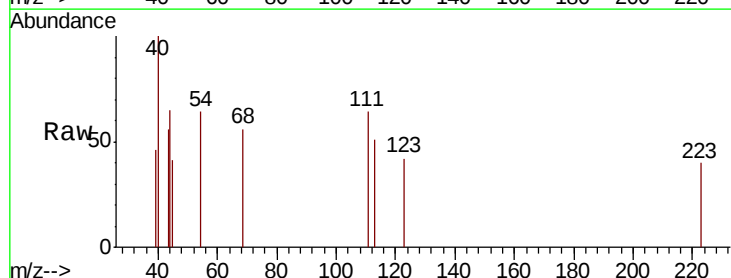
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-5(8-10)RE

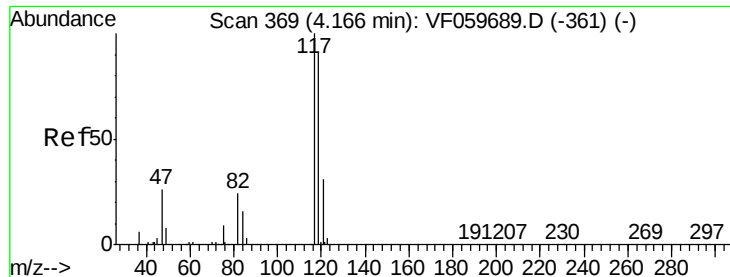
Tot Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.0 41.9#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 28.81 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.02 min
 Lab File: VF059810.D
 Acq: 2 Aug 2018 19:40

Tgt Ion: 43 Resp: 86
 Ion Ratio Lower Upper
 43 100
 61 0.0 58.2 87.2#
 70 0.0 6.0 9.0#





#38

Carbon Tetrachloride

Concen: 6.74 ug/l

RT: 4.23 min Scan# 375

Delta R.T. 0.07 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

SB-5(8-10)RE

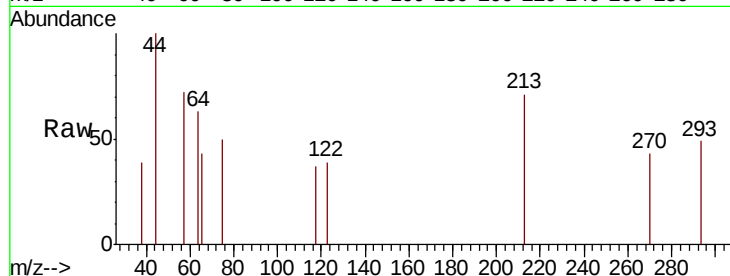
Tot Ion:117 Resp: 60

Ion Ratio Lower Upper

117 100

119 0.0 72.9 109.3#

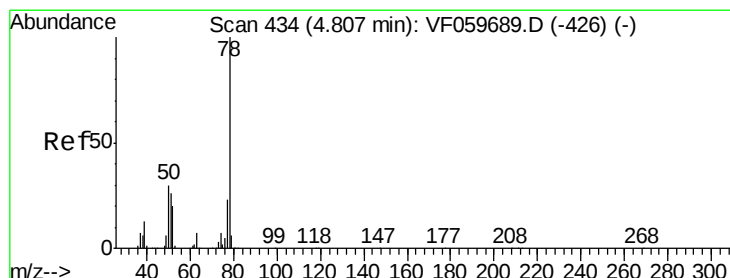
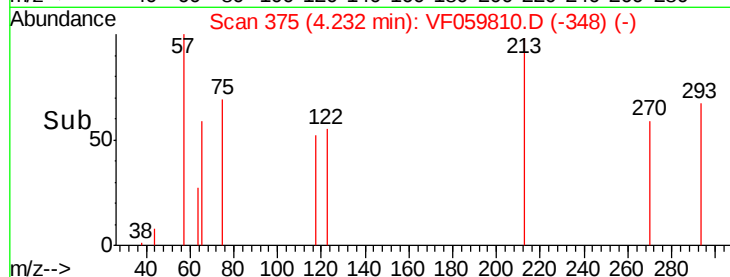
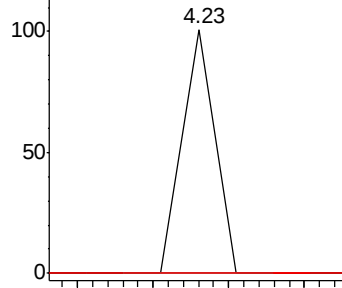
121 0.0 25.0 37.4#



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



#40

Benzene

Concen: 6.28 ug/l

RT: 4.75 min Scan# 428

Delta R.T. -0.05 min

Lab File: VF059810.D

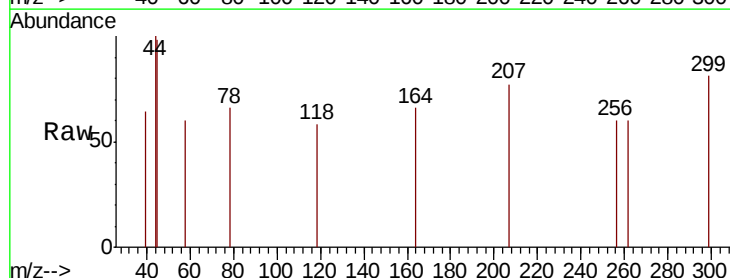
Acq: 2 Aug 2018 19:40

Tgt Ion: 78 Resp: 71

Ion Ratio Lower Upper

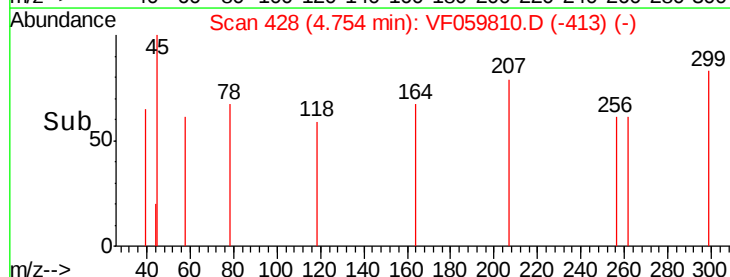
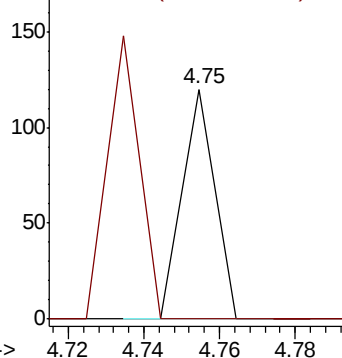
78 100

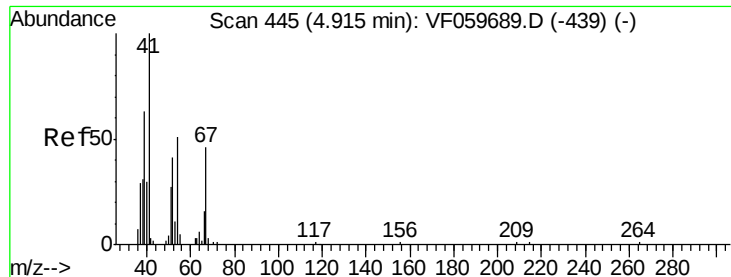
77 0.0 18.9 28.3#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 45.13 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.03 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

SB-5(8-10)RE

Tot Ion: 41 Resp: 64

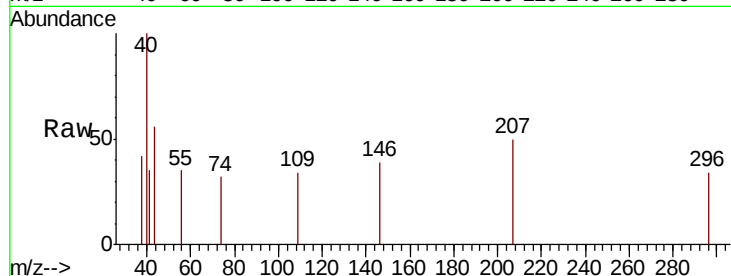
Ion Ratio Lower Upper

41 100

39 0.0 55.2 82.8#

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#

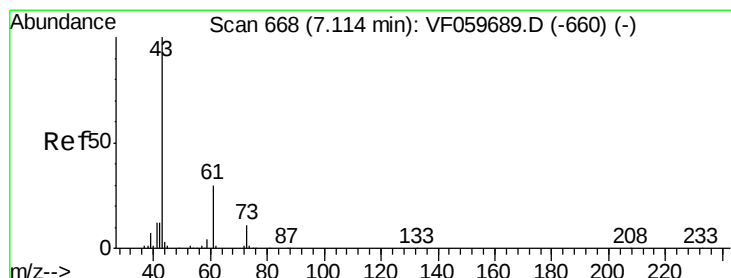
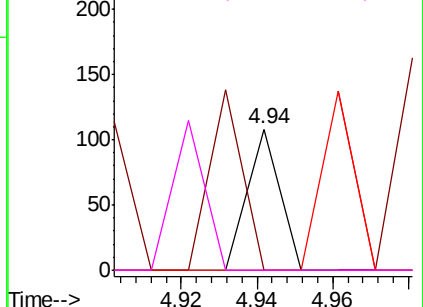
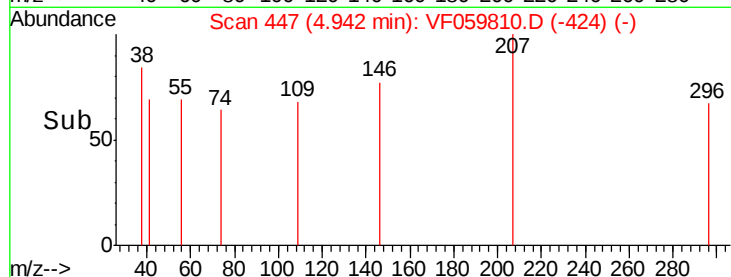


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 30.76 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

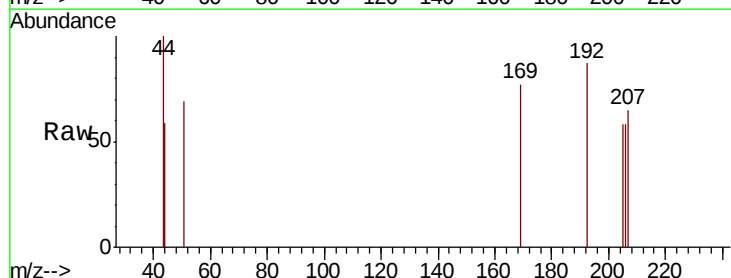
Tgt Ion: 43 Resp: 103

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

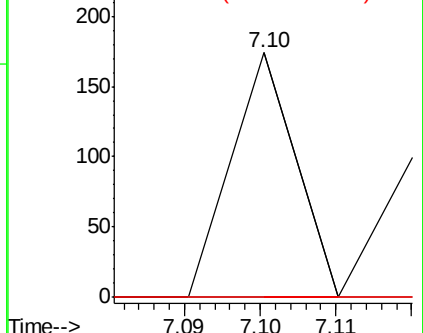
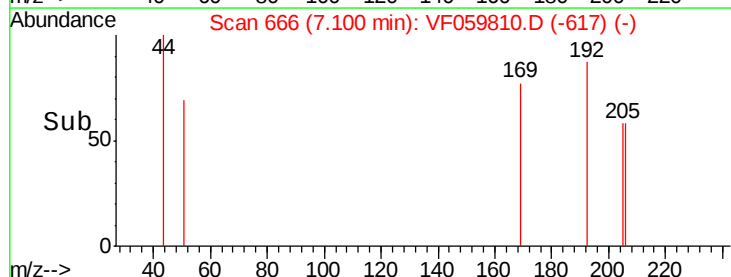
87 0.0 0.6 1.0#

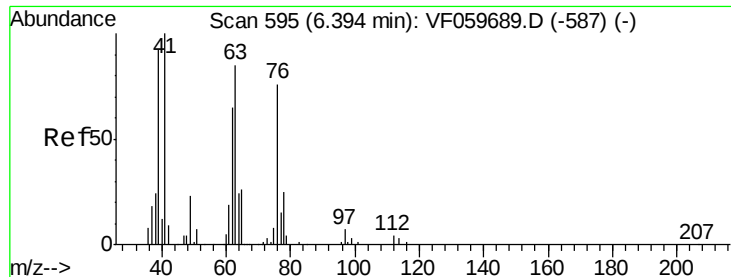


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#45

1,2-Dichloropropane

Concen: 22.10 ug/l

RT: 6.44 min Scan# 599

Delta R.T. 0.05 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

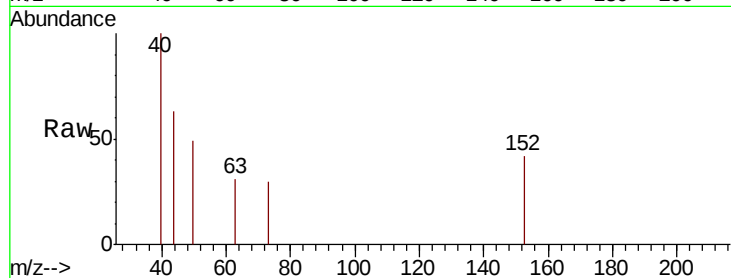
SB-5(8-10)RE

Tot Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

65 0.0 25.2 37.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.44

120

100

80

60

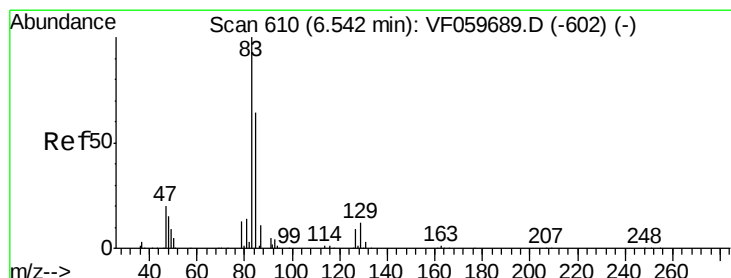
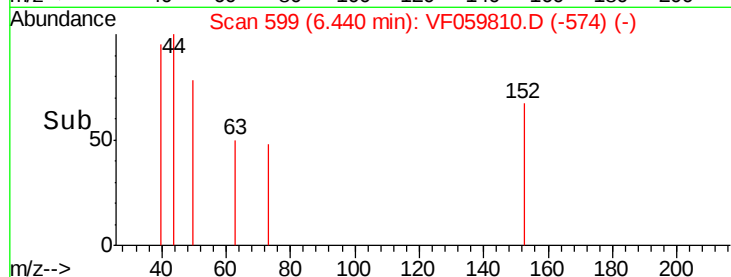
40

20

0

Time-->

6.42 6.44 6.46



#47

Bromodichloromethane

Concen: 9.45 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.12 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

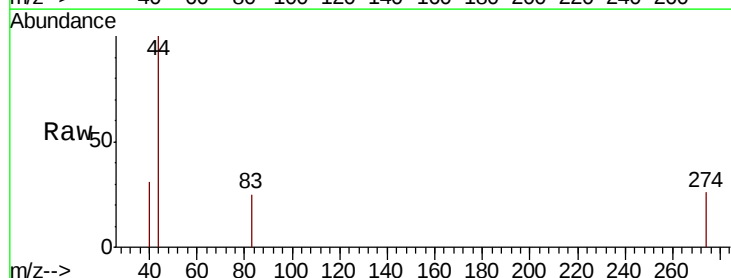
Tgt Ion: 83 Resp: 73

Ion Ratio Lower Upper

83 100

85 0.0 51.0 76.6#

127 0.0 7.3 10.9#



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

150

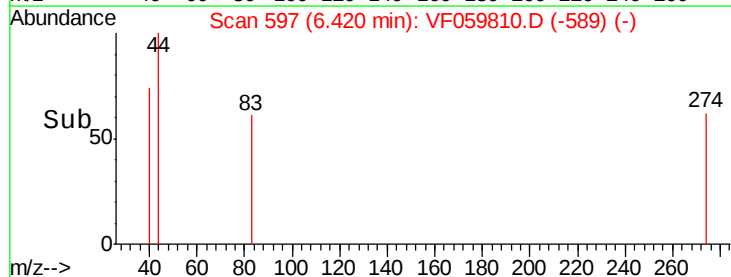
100

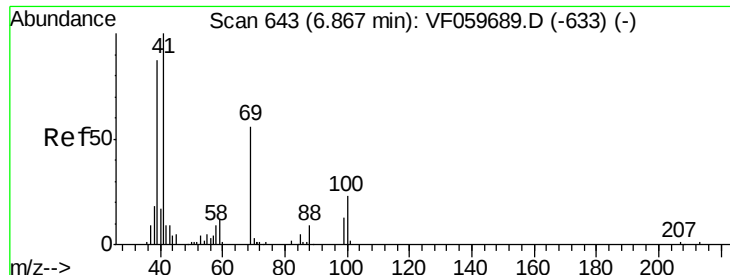
50

0

Time-->

6.40 6.42 6.44

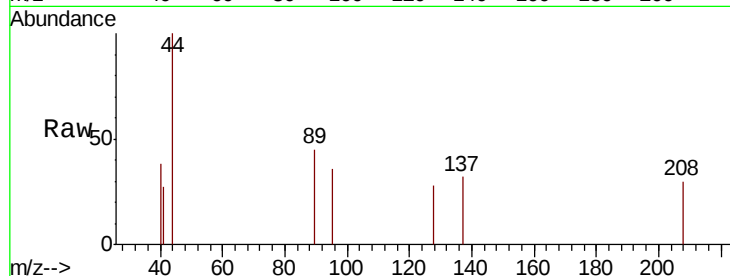




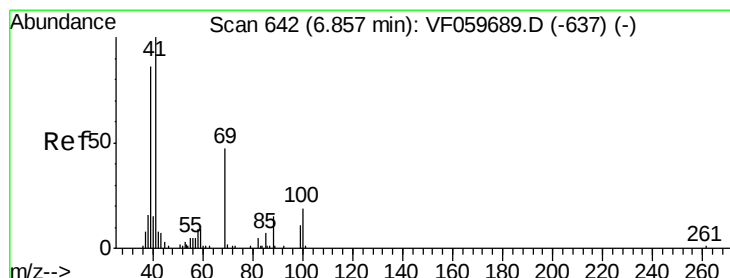
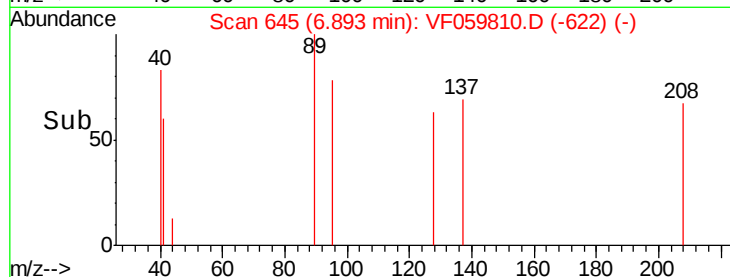
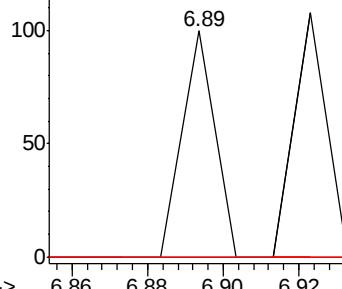
#48
Methvl methacrylate
Concen: 23.42 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF059810.D
Acq: 2 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
SB-5(8-10)RE

Tot Ion: 41 Resp: 59
Ion Ratio Lower Upper
41 100
69 0.0 44.4 66.6#
39 0.0 69.4 104.2#

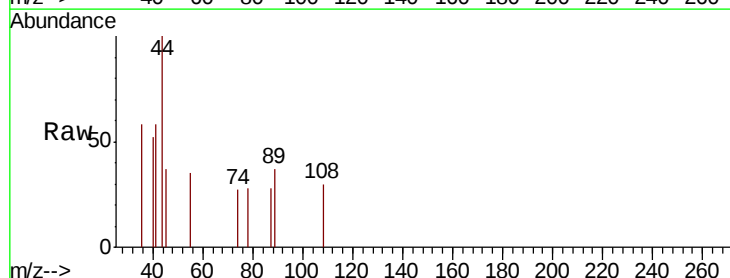


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

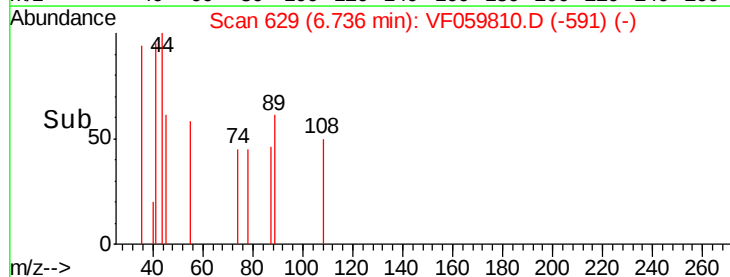
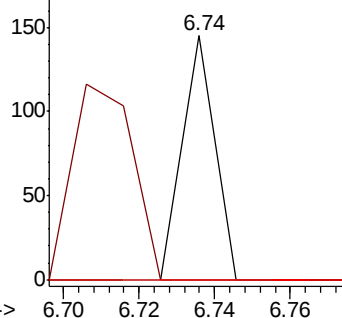


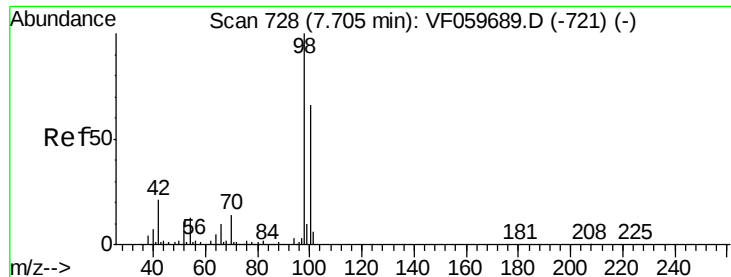
#49
1,4-Dioxane
Concen: 3918.54 ug/l
RT: 6.74 min Scan# 629
Delta R.T. -0.12 min
Lab File: VF059810.D
Acq: 2 Aug 2018 19:40

Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 0.0 45.2 67.8#
58 0.0 49.0 73.6#



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: 24.85 ug/l

RT: 7.68 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

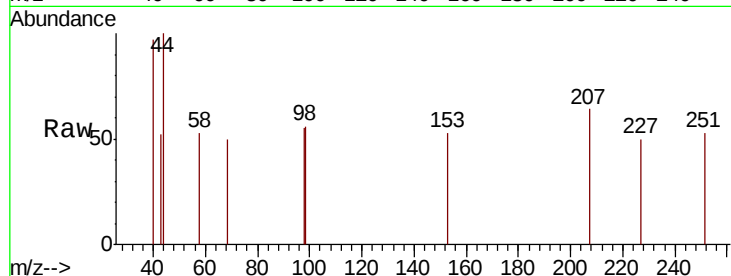
SB-5(8-10)RE

Tot Ion: 98 Resp: 337

Ion Ratio Lower Upper

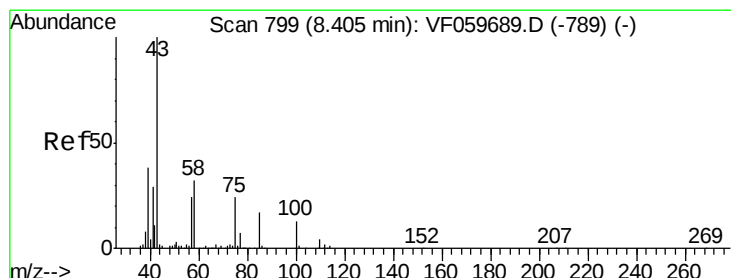
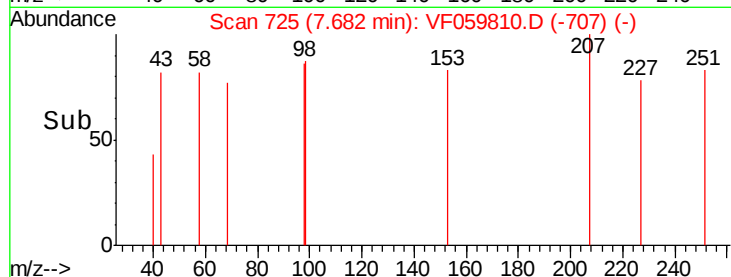
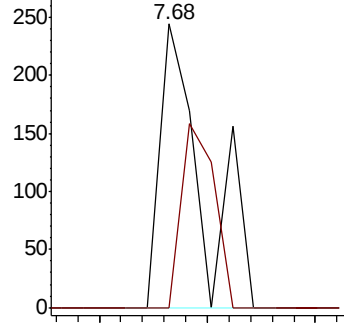
98 100

100 0.0 52.8 79.2#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#51

4-Methyl-2-Pentanone

Concen: 27.48 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059810.D

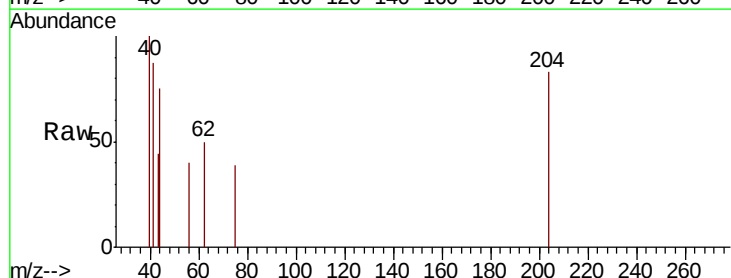
Acq: 2 Aug 2018 19:40

Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

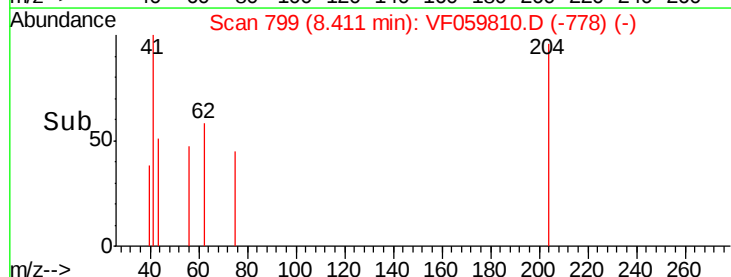
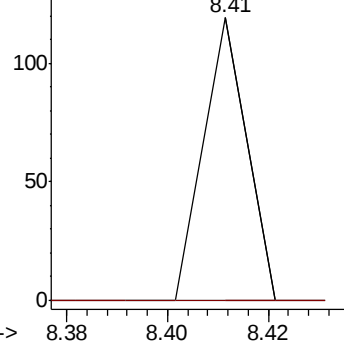
43 100

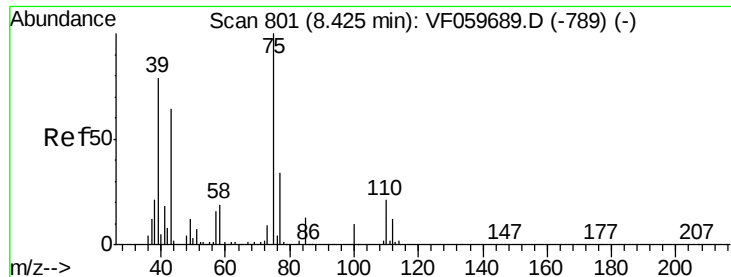
58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#53

t-1,3-Dichloropropene

Concen: 9.40 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

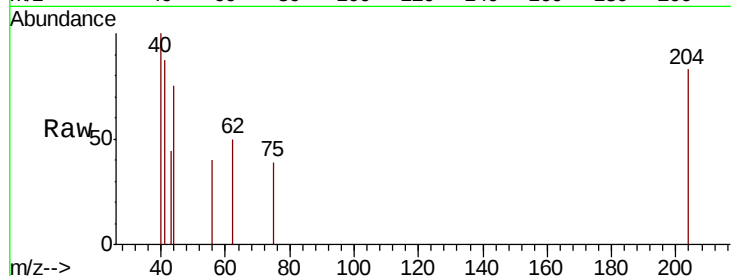
SB-5(8-10)RE

Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

77 0.0 27.0 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

100

80

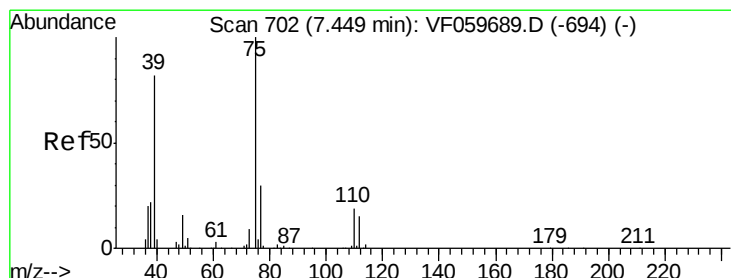
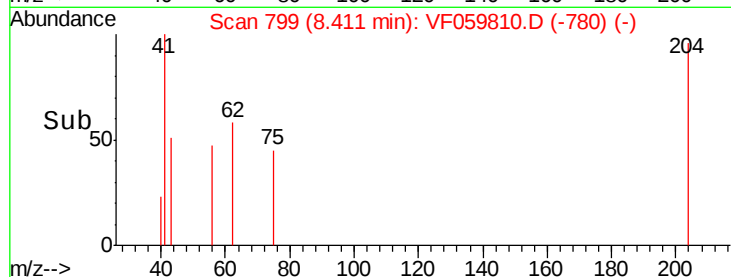
60

40

20

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 16.18 ug/l

RT: 7.37 min Scan# 693

Delta R.T. -0.08 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

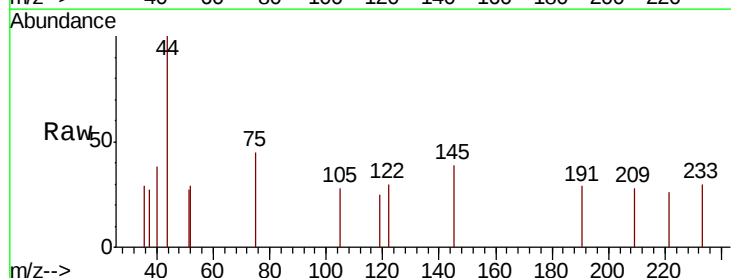
Tgt Ion: 75 Resp: 105

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

39 0.0 65.4 98.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

200

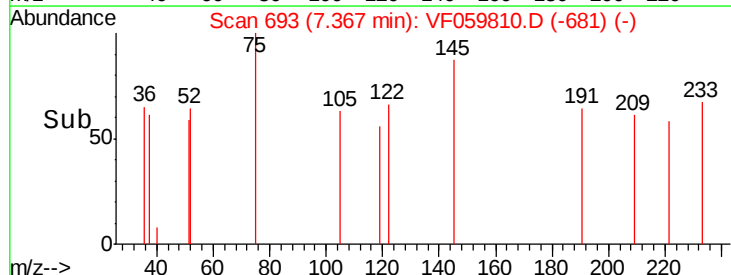
150

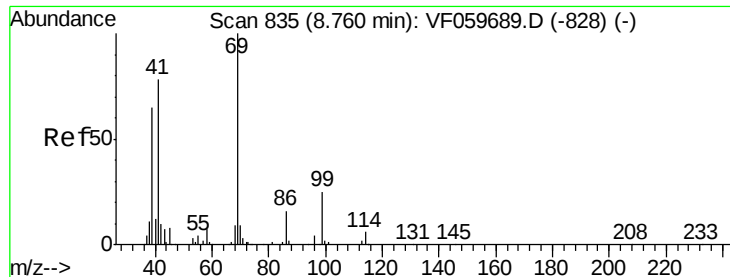
100

50

0

Time-->





#56

Ethyl methacrylate

Concen: 22.85 ug/l

RT: 8.79 min Scan# 837

Delta R.T. 0.03 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

SB-5(8-10)RE

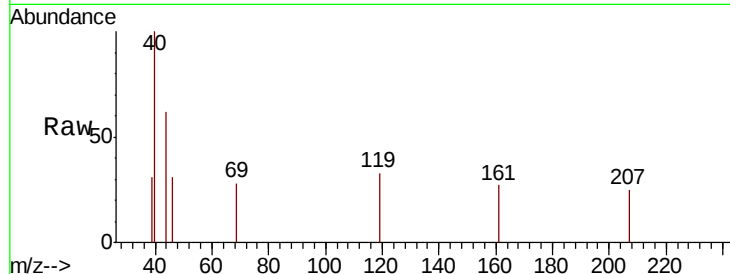
Tot Ion: 69 Resp: 73

Ion Ratio Lower Upper

69 100

41 0.0 62.3 93.5#

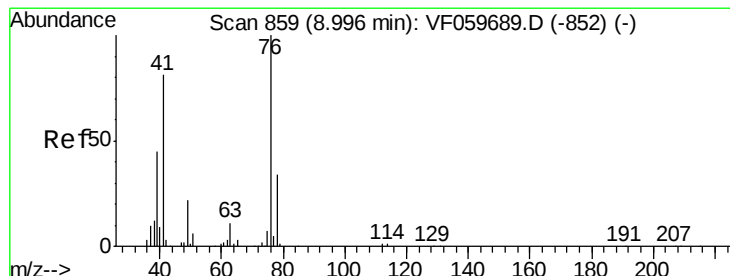
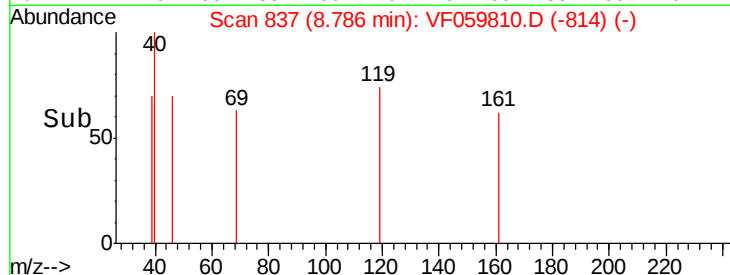
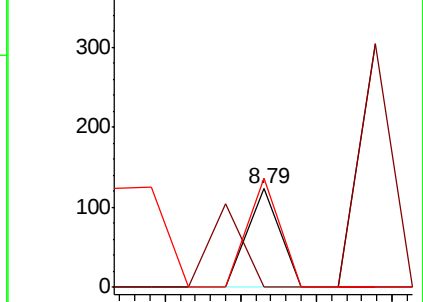
39 110.6 52.4 78.6#



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: 11.80 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059810.D

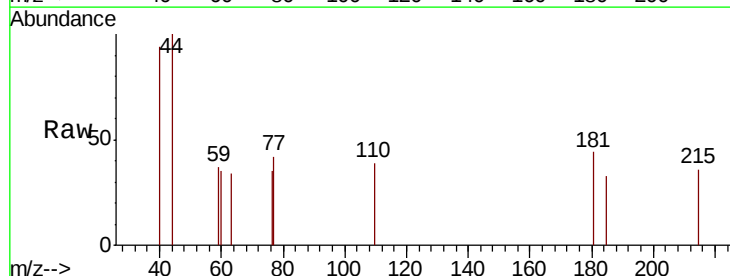
Acq: 2 Aug 2018 19:40

Tgt Ion: 76 Resp: 62

Ion Ratio Lower Upper

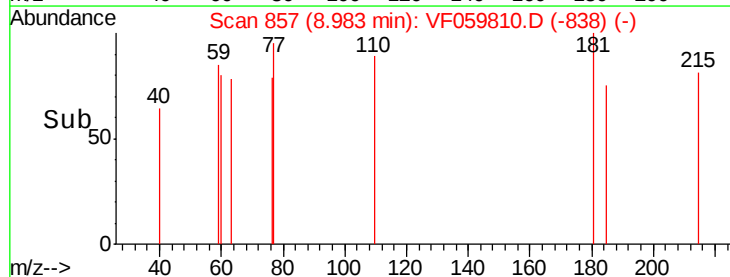
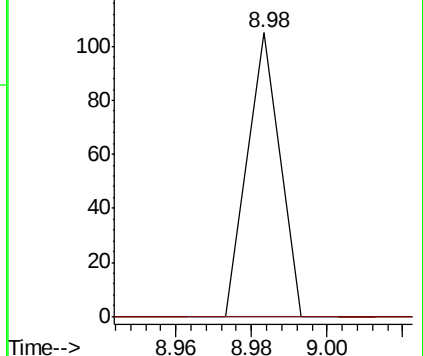
76 100

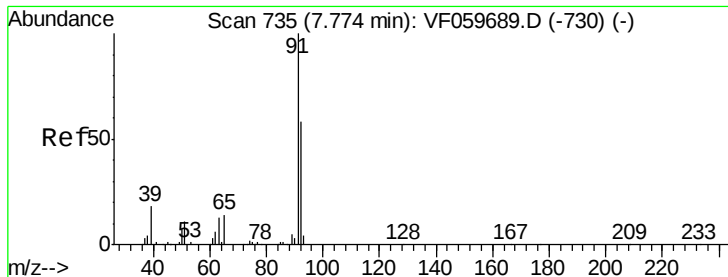
78 0.0 27.2 40.8#



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: 178.96 ug/l

RT: 7.83 min Scan# 740

Delta R.T. 0.06 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

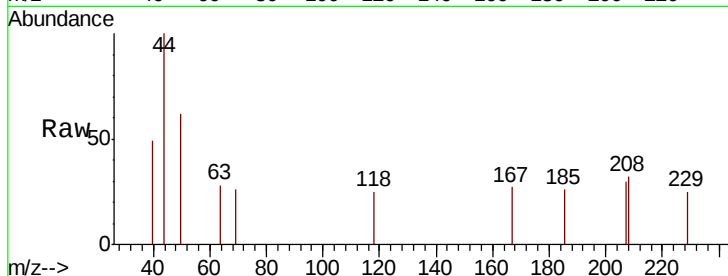
SB-5(8-10)RE

Tot Ion: 63 Resp: 66

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

7.83

120

100

80

60

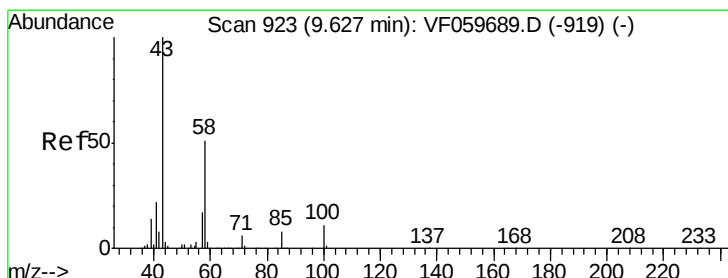
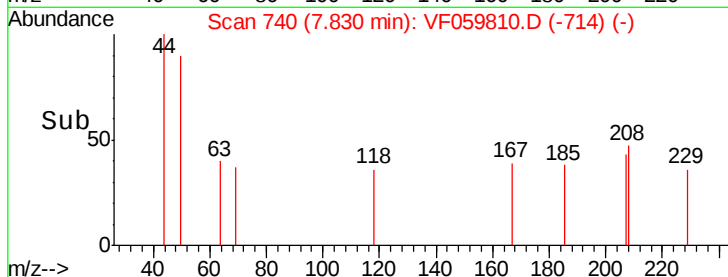
40

20

0

7.80 7.82 7.84 7.86

Time-->



#59

2-Hexanone

Concen: 35.76 ug/l

RT: 9.68 min Scan# 928

Delta R.T. 0.06 min

Lab File: VF059810.D

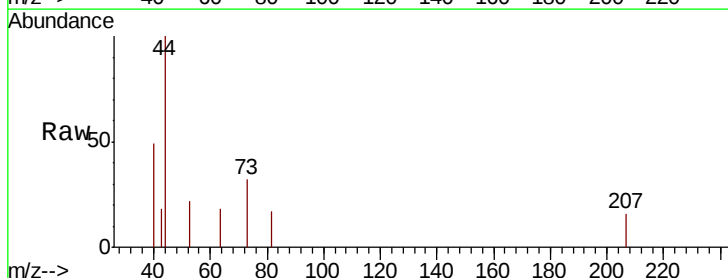
Acq: 2 Aug 2018 19:40

Tgt Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

58 0.0 23.3 69.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150

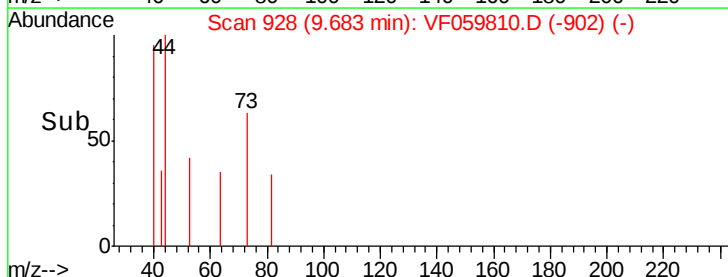
100

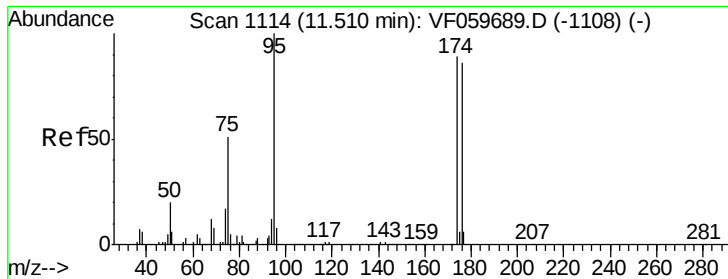
50

0

9.66 9.68 9.70

Time-->





#62

4-Bromofluorobenzene

Concen: 10.92 ug/l

RT: 11.37 min Scan# 1099

Delta R.T. -0.14 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

SB-5(8-10)RE

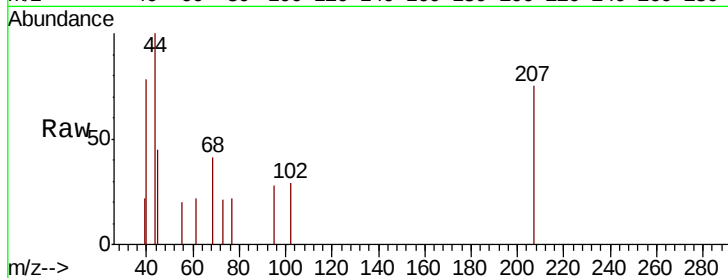
Tot Ion: 95 Resp: 82

Ion Ratio Lower Upper

95 100

174 0.0 0.0 178.4

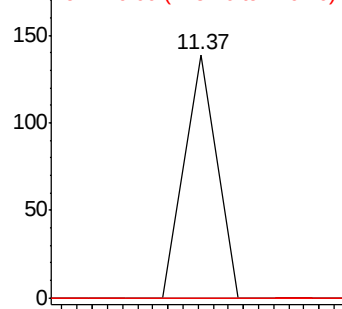
176 0.0 0.0 173.0



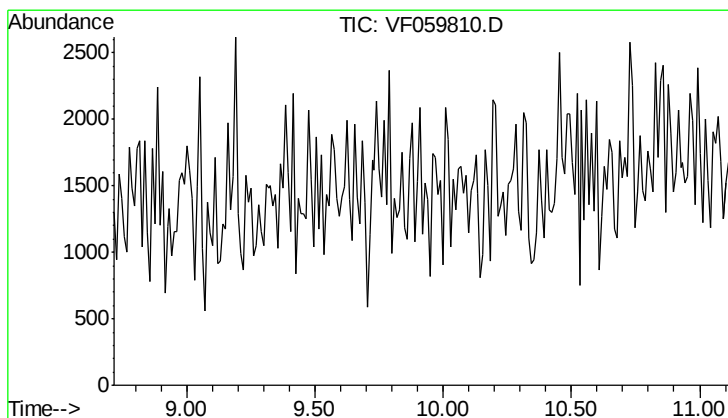
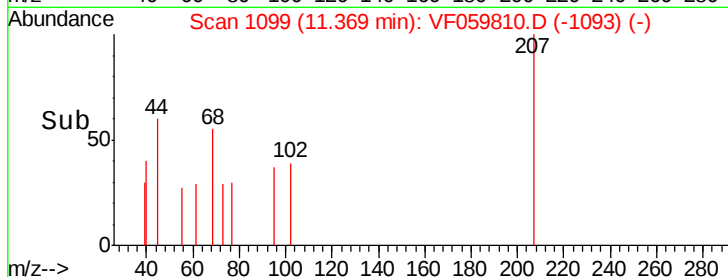
Abundance Ion 95.00 (94.70 to 95.70): VF059810.D

Ion 174.00 (173.70 to 174.70): VF059810.D

Ion 176.00 (175.70 to 176.70): VF059810.D



Time-->



#63

Chlorobenzene-d5

Concen: 0.00 ug/l

Expected RT: 9.91 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

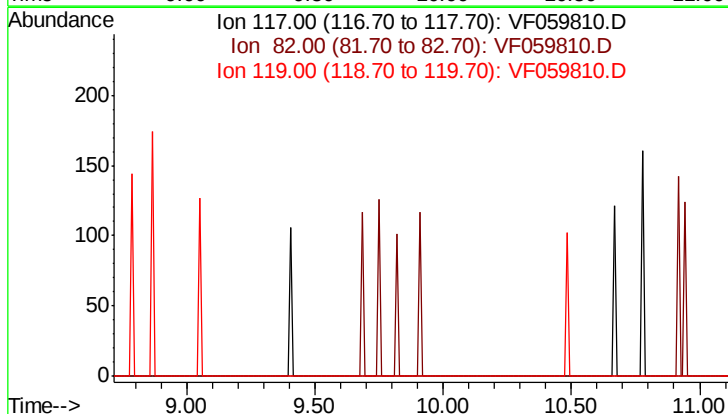
Tgt Ion: 117

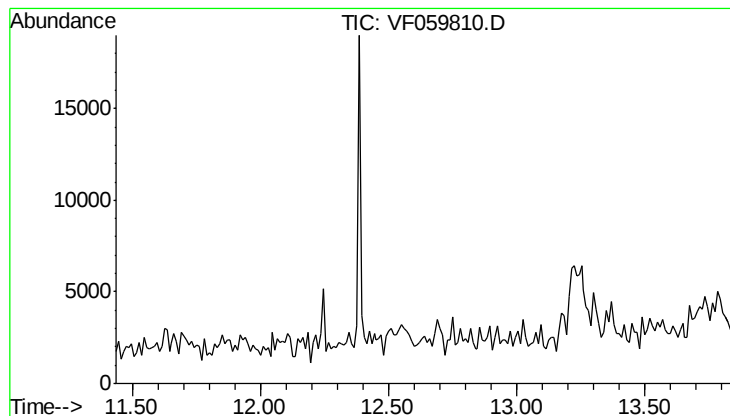
Sig Exp Ratio

117 100

82 61.2

119 34.1





#72

1,4-Dichlorobenzene-d4

Concen: 0.00 ug/l

Expected RT: 12.63 min

Lab File: VF059810.D

Acq: 2 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

SB-5(8-10)RE

Tot Ion: 152

Sig Exp Ratio

152 100

115 56.4

150 158.1

