

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059555.D
 Acq On : 19 Jul 2018 12:37
 Operator : VA/AP
 Sample : J4030-04
 Misc : 6.72g/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB6-8

Quant Time: Jul 19 14:42:22 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	5.03	168	72	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	88	50.00	ug/l	-0.22
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.93
72) 1,4-Dichlorobenzene-d4	12.70	152	85	50.00	ug/l	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.13	65	66	58.94	ug/l	0.10
Spiked Amount				50.000		
			Recovery	=	117.88%	
35) Dibromofluoromethane	4.28	113	97	127.27	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	254.54%	
50) Toluene-d8	7.36	98	65	33.86	ug/l	-0.37
Spiked Amount				50.000		
			Recovery	=	67.72%	
62) 4-Bromofluorobenzene	10.99	95	59	58.58	ug/l	-0.53
Spiked Amount				50.000		
			Recovery	=	117.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.06	85	79	89.55	ug/l #	41
3) Chloromethane	1.08	50	158	325.51	ug/l #	44
4) Vinyl Chloride	1.17	62	186	379.78	ug/l #	43
5) Bromomethane	1.33	94	61	179.72	ug/l #	3
6) Chloroethane	1.45	64	59	238.91	ug/l #	46
10) Methyl Iodide	2.01	142	64	72.22	ug/l #	23
11) Tert butyl alcohol	2.66	59	61	1352.64	ug/l #	74
12) 1,1-Dichloroethene	1.79	96	63	117.03	ug/l #	1
13) Acrolein	2.19	56	76	4767.01	ug/l #	12
14) Allyl chloride	2.18	41	89	132.48	ug/l #	54
15) Acrylonitrile	3.21	53	60	638.64	ug/l #	13
16) Acetone	2.36	43	69	432.70	ug/l #	64
17) Carbon Disulfide	1.93	76	62	44.95	ug/l #	74
18) Methyl Acetate	2.44	43	305	945.87	ug/l #	67
19) Methyl tert-butyl Ether	2.50	73	153	90.60	ug/l #	59
21) trans-1,2-Dichloroethene	2.46	96	66	132.61	ug/l #	1
22) Diisopropyl ether	2.96	45	76	40.25	ug/l #	37
23) Vinyl Acetate	3.34	43	180	163.15	ug/l #	84
24) 1,1-Dichloroethane	3.07	63	66	56.61	ug/l #	91
25) 2-Butanone	4.60	43	80	307.72	ug/l #	60
26) 2,2-Dichloropropane	3.68	77	74	95.93	ug/l #	62
28) Bromochloromethane	4.02	49	141	274.73	ug/l #	6
29) Tetrahydrofuran	4.26	42	67	669.15	ug/l #	38
30) Chloroform	3.89	83	86	51.06	ug/l #	17
31) Cyclohexane	3.92	56	77	127.50	ug/l #	15
32) 1,1,1-Trichloroethane	4.21	97	67	61.21	ug/l #	21
36) 1,1-Dichloropropene	4.41	75	74	84.01	ug/l #	45
37) Ethyl Acetate	4.14	43	333	786.42	ug/l #	41
40) Benzene	4.56	78	63	36.87	ug/l #	51
41) Methacrylonitrile	4.83	41	62	245.45	ug/l #	27
43) Isopropyl Acetate	6.77	43	60	94.80	ug/l #	51
46) Dibromomethane	6.16	93	106	245.41	ug/l #	3
48) Methyl methacrylate	6.68	41	88	194.68	ug/l #	13
49) 1,4-Dioxane	6.55	88	83	Below Cal	#	15

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059555.D
 Acq On : 19 Jul 2018 12:37
 Operator : VA/AP
 Sample : J4030-04
 Misc : 6.72g/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

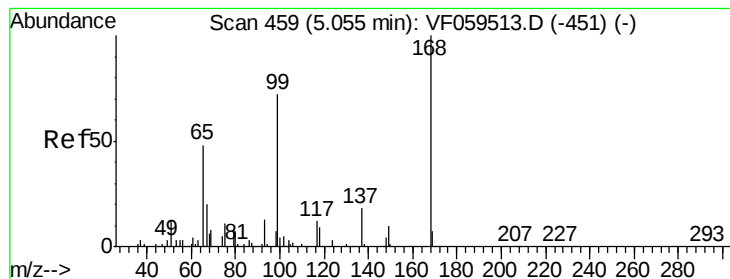
Instrument :
 MSVOA_F
 ClientSampleId :
 SB6-8

Quant Time: Jul 19 14:42:22 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)

51) 4-Methyl-2-Pentanone	8.11	43	77	171.62	ug/l #	40
56) Ethyl methacrylate	8.48	69	61	102.44	ug/l #	13
57) 1,3-Dichloropropane	8.70	76	62	73.02	ug/l #	42
59) 2-Hexanone	9.18	43	103	303.77	ug/l #	30
73) Isopropylbenzene	11.21	105	69	12.86	ug/l #	51
74) N-amyl acetate	11.48	43	75	43.66	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	11.91	83	92	78.64	ug/l #	26
77) Bromobenzene	11.75	156	89	59.20	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.04	105	79	17.58	ug/l #	29
82) 4-Chlorotoluene	12.06	91	79	18.60	ug/l #	46
84) 1,2,4-Trimethylbenzene	12.40	105	61	13.19	ug/l #	31
85) sec-Butylbenzene	12.40	105	61	11.12	ug/l #	1
86) p-Isopropyltoluene	12.58	119	61	12.78	ug/l #	50
90) Hexachloroethane	13.09	117	62	57.19	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	13.80	75	78	294.30	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.27	180	64	42.70	ug/l #	12
96) 1,2,3-Trichlorobenzene	14.62	180	76	56.12	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

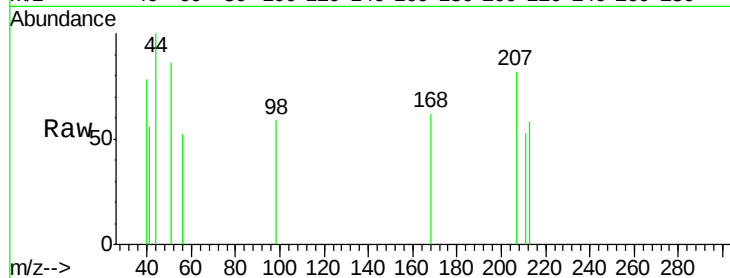
SB6-8

Tot Ion:168 Resp: 72

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

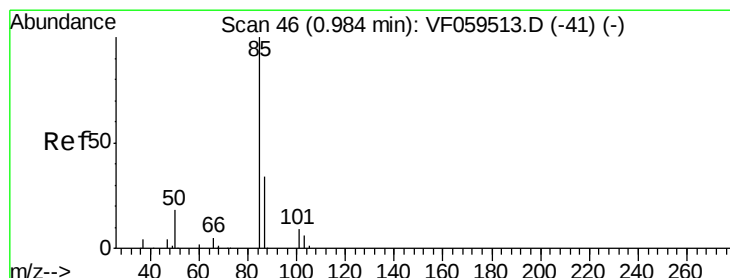
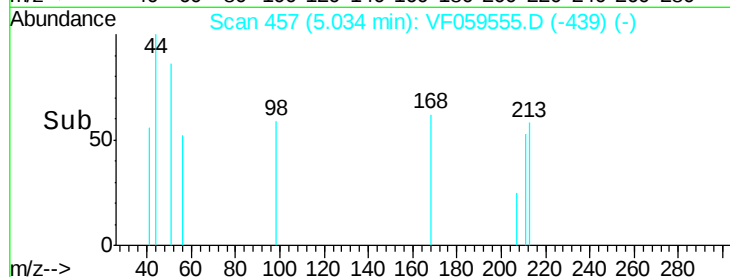
5.03

100

50

0

Time-->



#2

Dichlorodifluoromethane

Concen: 89.55 ug/l

RT: 1.06 min Scan# 54

Delta R.T. 0.08 min

Lab File: VF059555.D

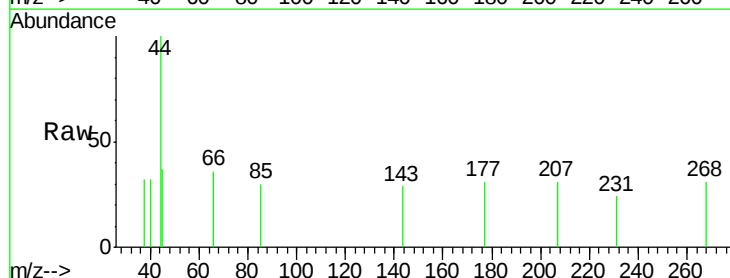
Acq: 19 Jul 2018 12:37

Tgt Ion: 85 Resp: 79

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

1.06

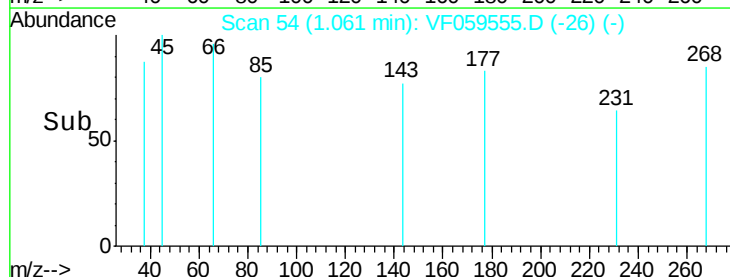
150

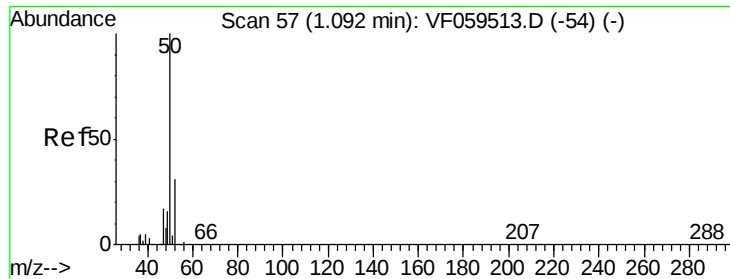
100

50

0

Time-->





#3

Chloromethane

Concen: 325.51 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

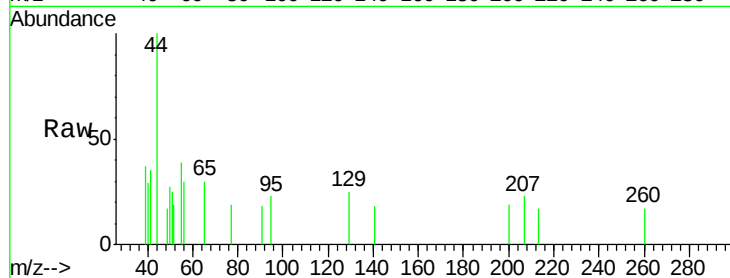
SB6-8

Tot Ion: 50 Resp: 158

Ion Ratio Lower Upper

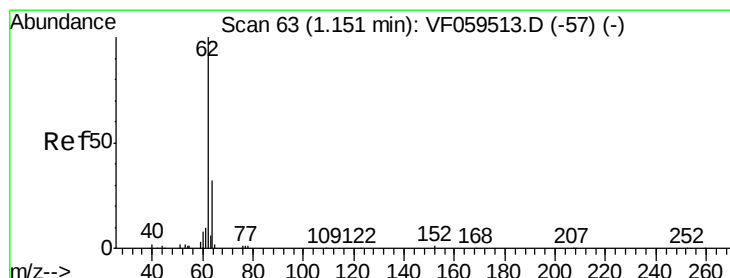
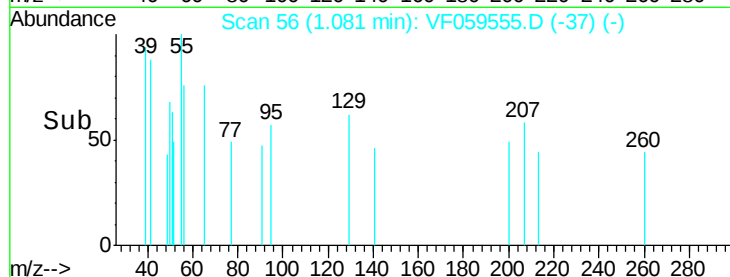
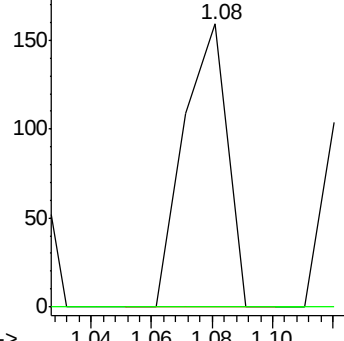
50 100

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: 379.78 ug/l

RT: 1.17 min Scan# 65

Delta R.T. 0.02 min

Lab File: VF059555.D

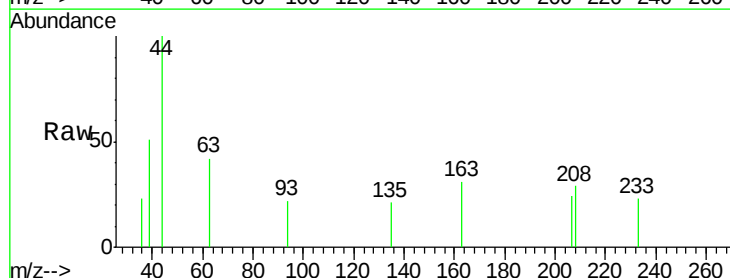
Acq: 19 Jul 2018 12:37

Tgt Ion: 62 Resp: 186

Ion Ratio Lower Upper

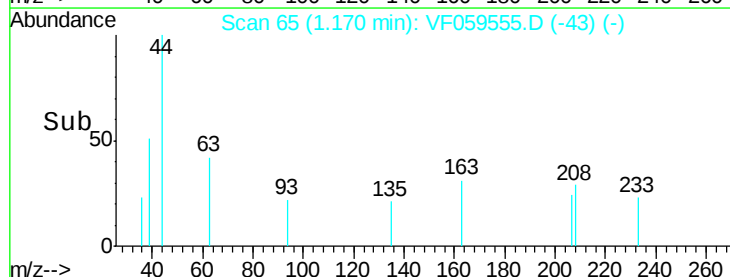
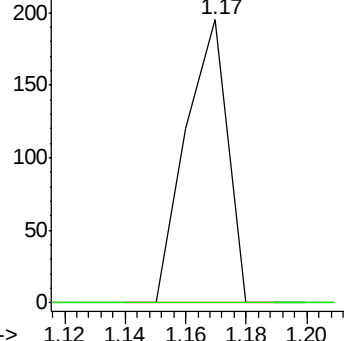
62 100

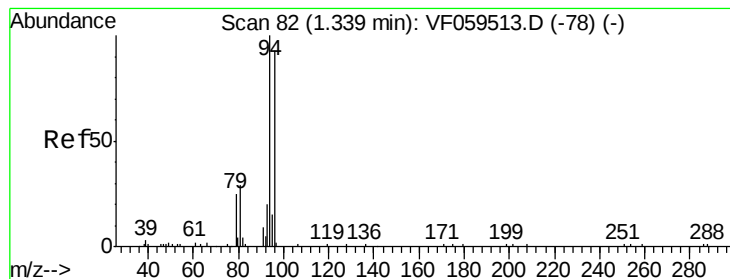
64 0.0 25.7 38.5#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 179.72 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampled :

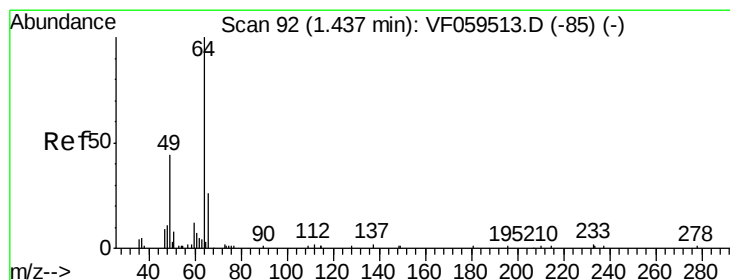
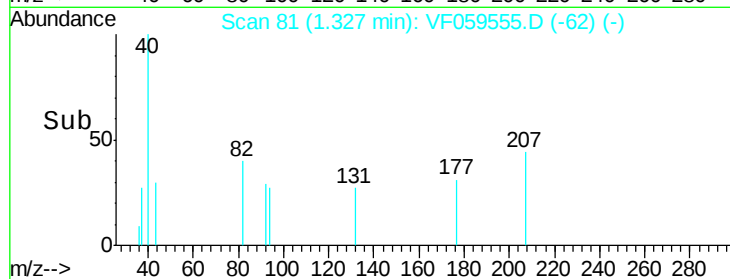
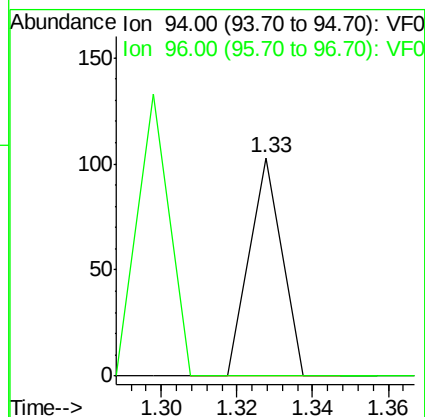
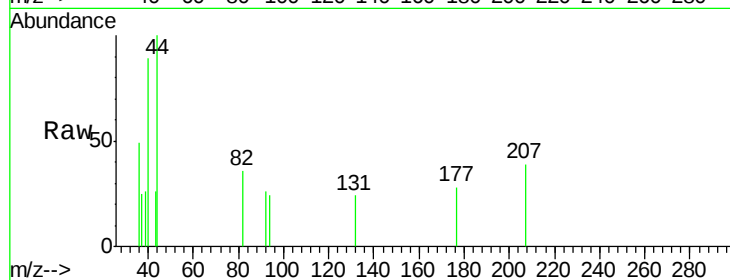
SB6-8

Tot Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#



#6

Chloroethane

Concen: 238.91 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF059555.D

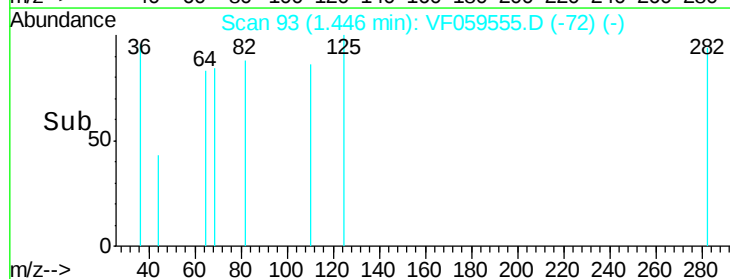
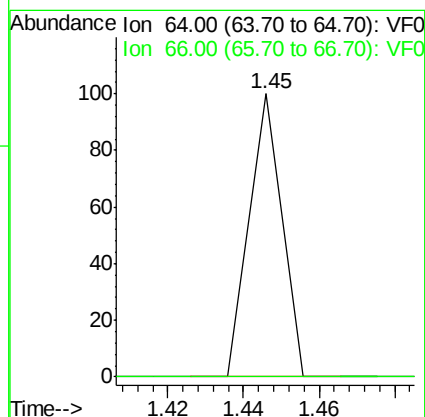
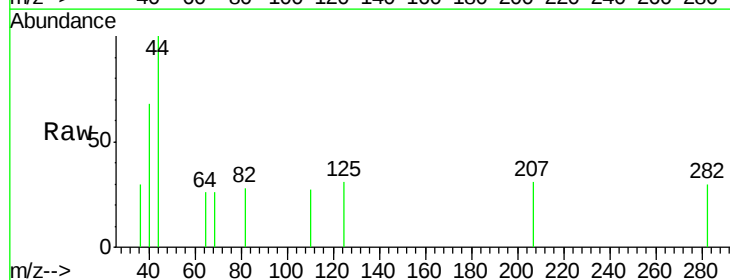
Acq: 19 Jul 2018 12:37

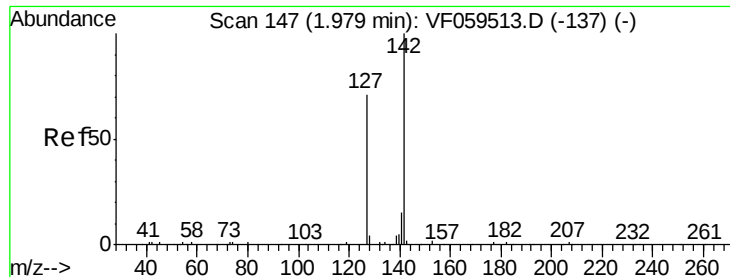
Tgt Ion: 64 Resp: 59

Ion Ratio Lower Upper

64 100

66 0.0 22.9 34.3#





#10

Methyl Iodide

Concen: 72.22 ug/l

RT: 2.01 min Scan# 150

Delta R.T. 0.03 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampled :

SB6-8

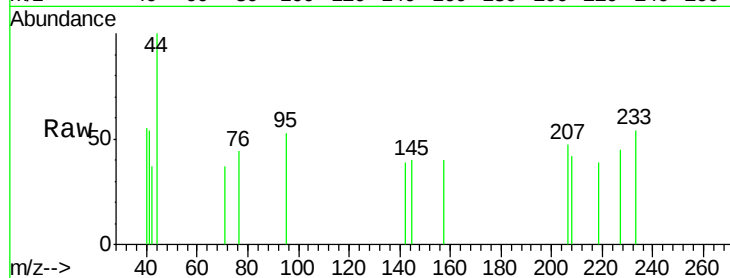
Tot Ion:142 Resp: 64

Ion Ratio Lower Upper

142 100

127 0.0 56.4 84.6#

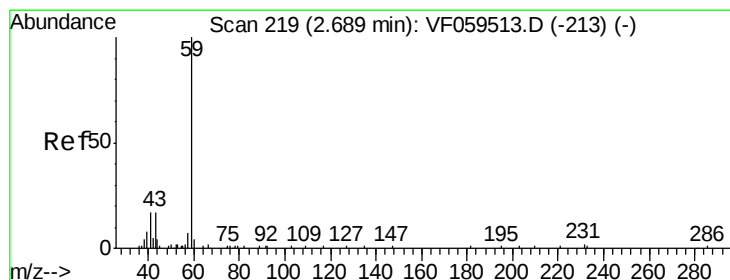
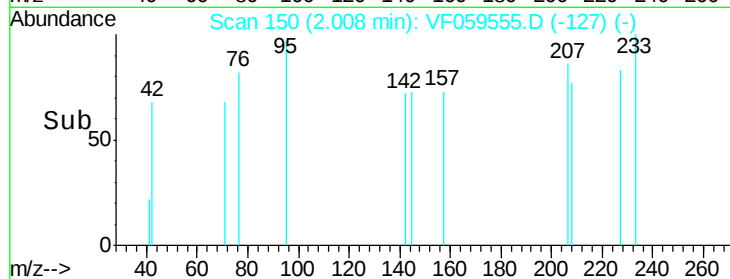
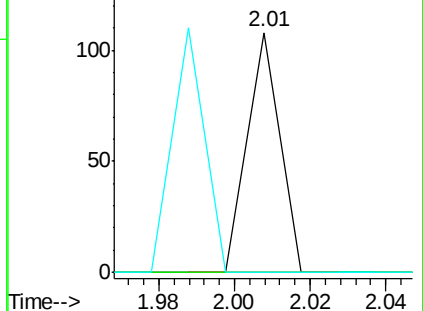
141 0.0 12.0 18.0#



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



#11

Tert butyl alcohol

Concen: 1352.64 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.03 min

Lab File: VF059555.D

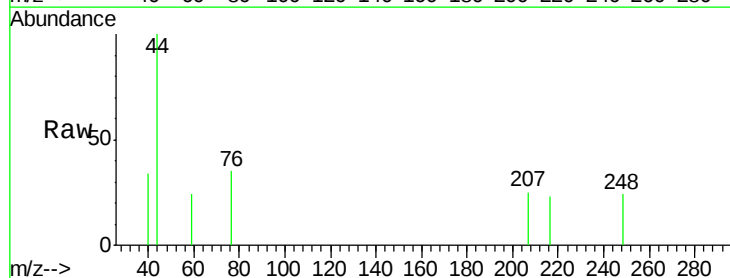
Acq: 19 Jul 2018 12:37

Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

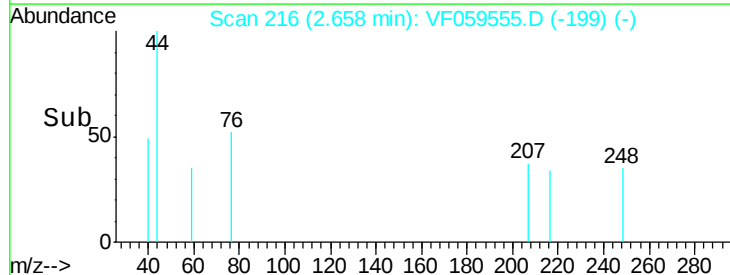
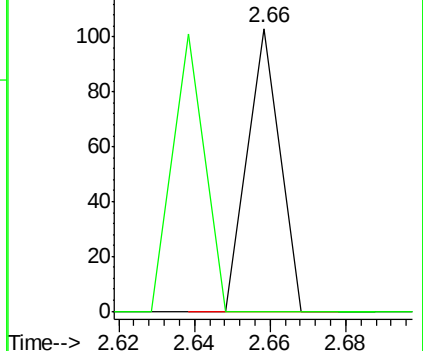
59 100

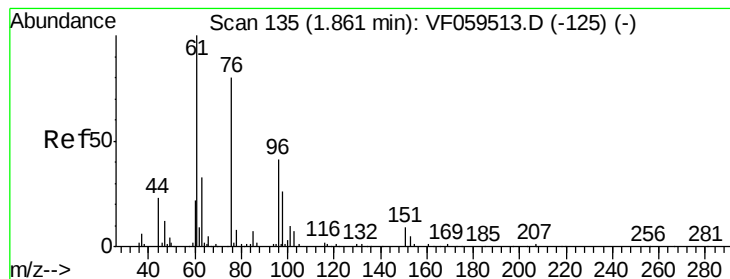
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 117.03 ug/l

RT: 1.79 min Scan# 128

Delta R.T. -0.07 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

SB6-8

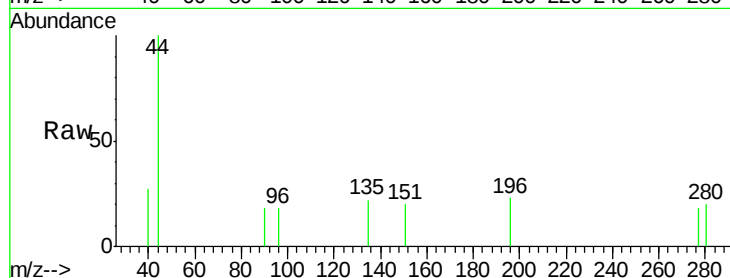
Tot Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 194.3 291.5#

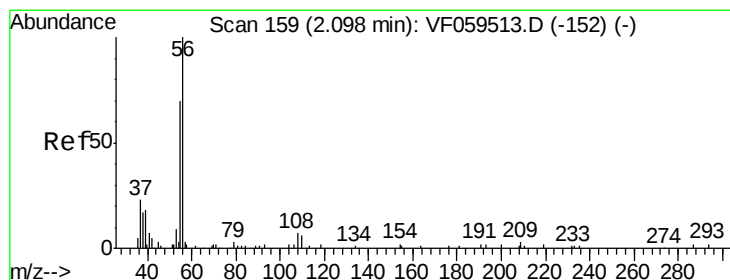
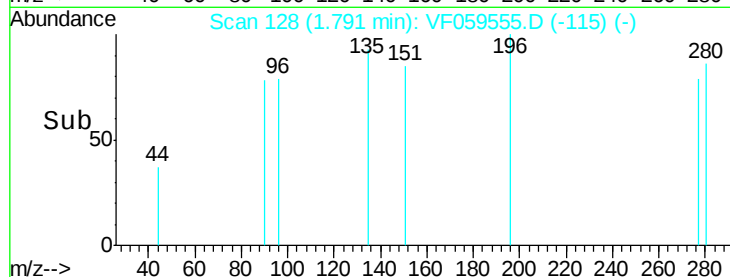
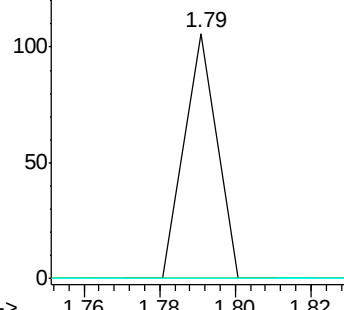
98 0.0 50.3 75.5#



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: 4767.01 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.09 min

Lab File: VF059555.D

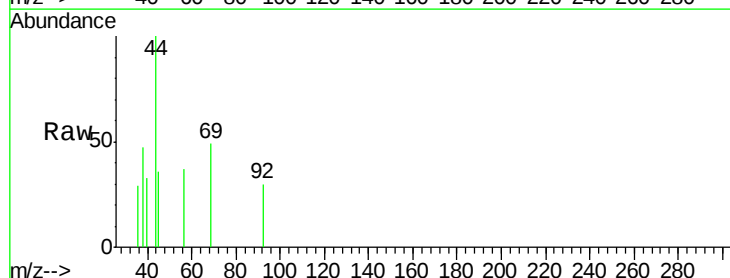
Acq: 19 Jul 2018 12:37

Tgt Ion: 56 Resp: 76

Ion Ratio Lower Upper

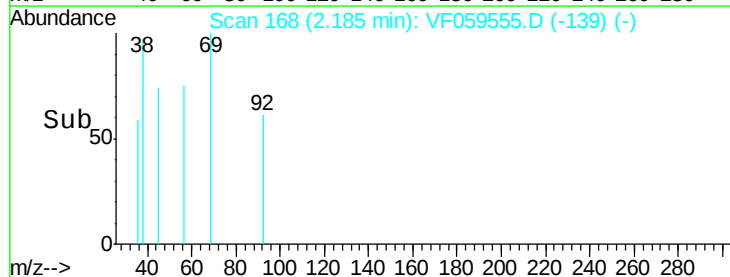
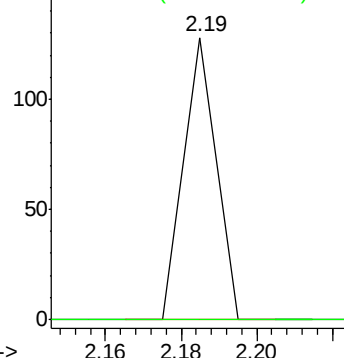
56 100

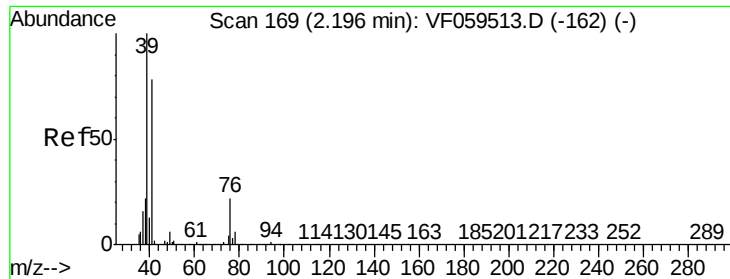
55 0.0 59.4 89.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 132.48 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.02 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

SB6-8

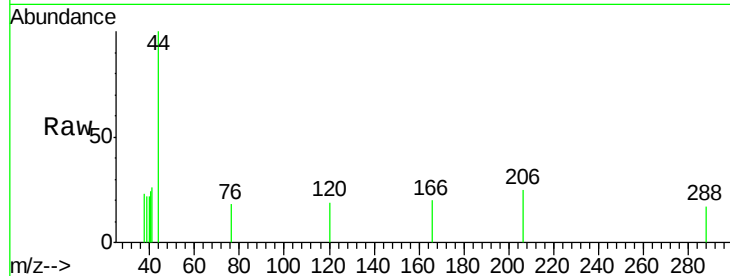
Tot Ion: 41 Resp: 89

Ion Ratio Lower Upper

41 100

39 84.7 103.0 154.4#

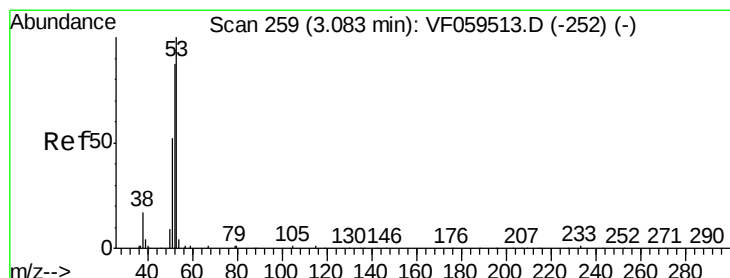
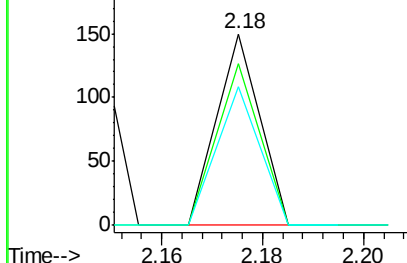
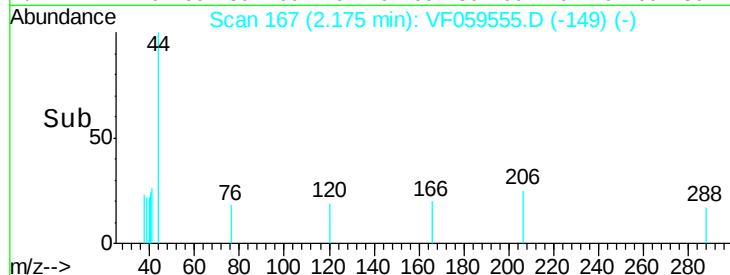
76 72.0 22.6 34.0#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 638.64 ug/l

RT: 3.21 min Scan# 272

Delta R.T. 0.13 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

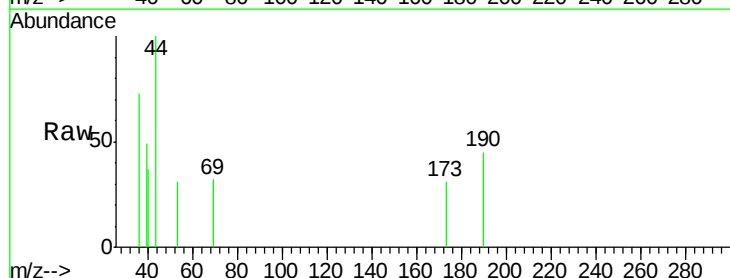
Tgt Ion: 53 Resp: 60

Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

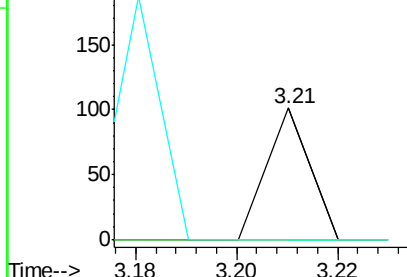
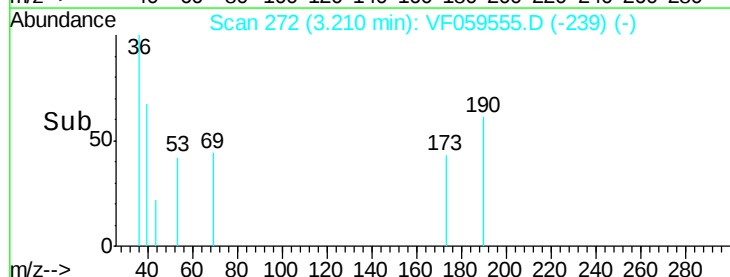
51 0.0 42.5 63.7#

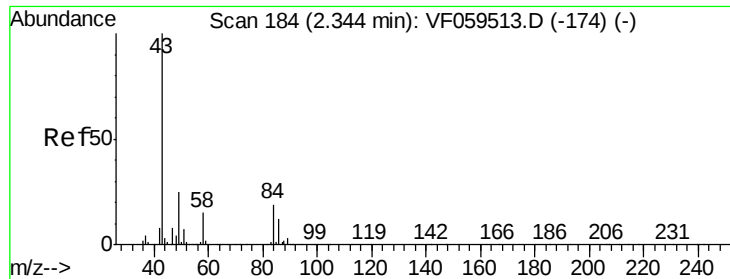


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 432.70 ug/l

RT: 2.36 min Scan# 186

Delta R.T. 0.02 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

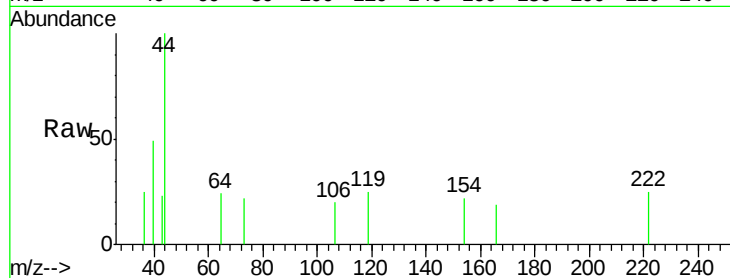
SB6-8

Tot Ion: 43 Resp: 69

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

150

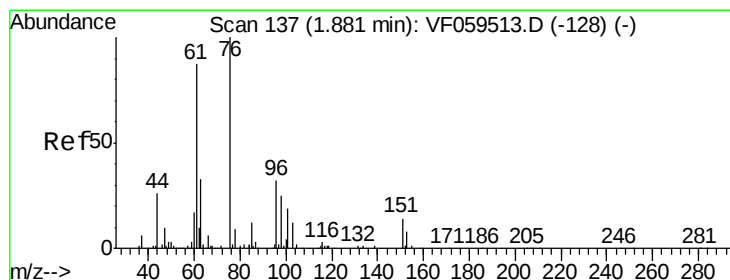
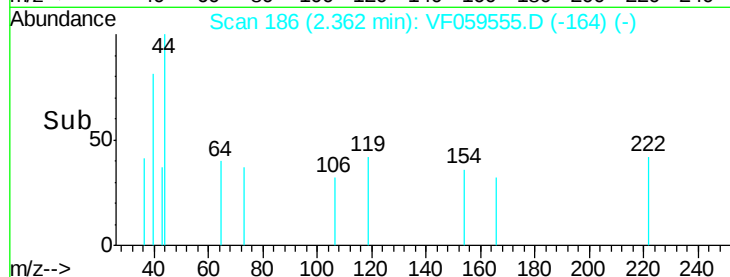
100

50

0

2.34 2.36 2.38

Time-->



#17

Carbon Disulfide

Concen: 44.95 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.05 min

Lab File: VF059555.D

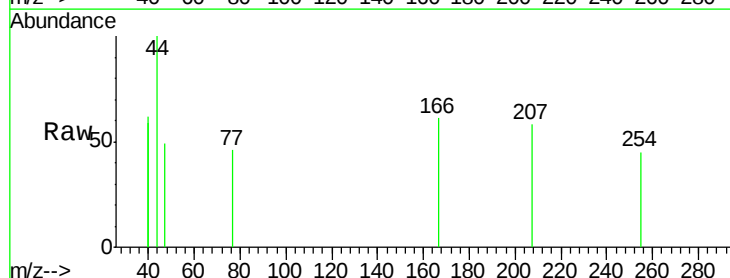
Acq: 19 Jul 2018 12:37

Tgt Ion: 76 Resp: 62

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

120

100

80

60

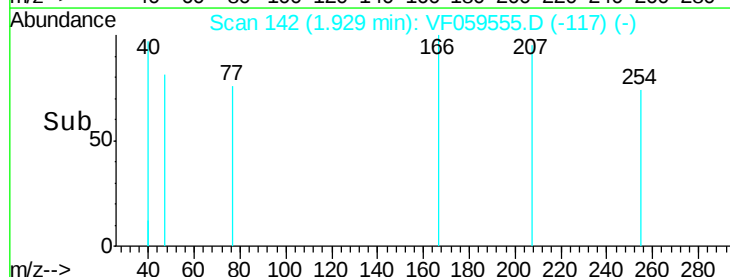
40

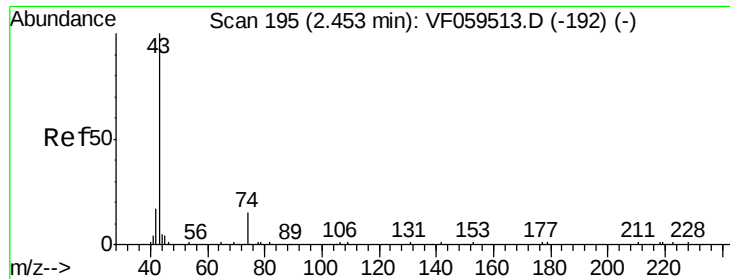
20

0

1.90 1.92 1.94 1.96

Time-->

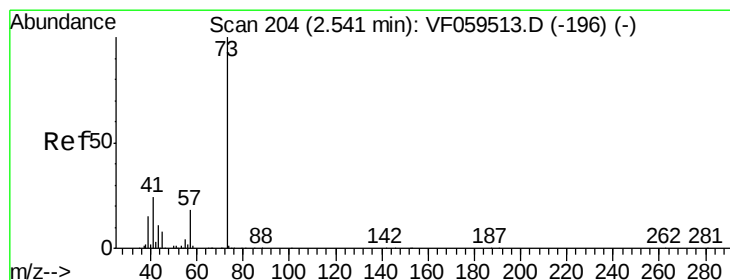
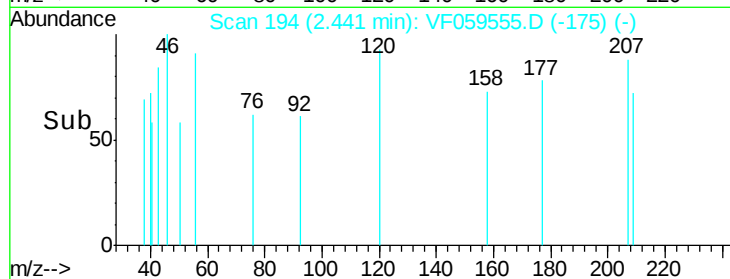
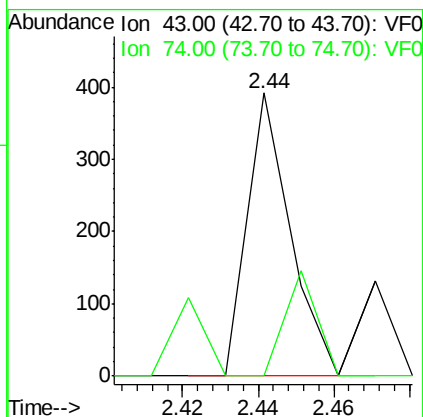
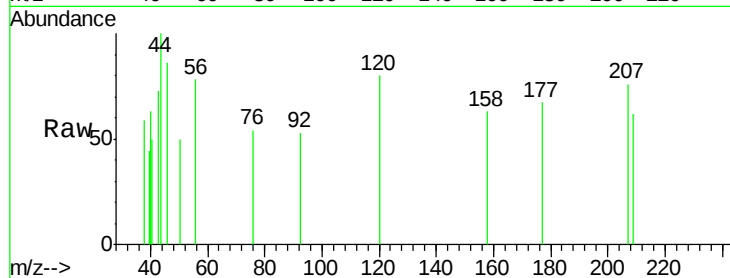




#18
Methyl Acetate
Concen: 945.87 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059555.D
Acq: 19 Jul 2018 12:37

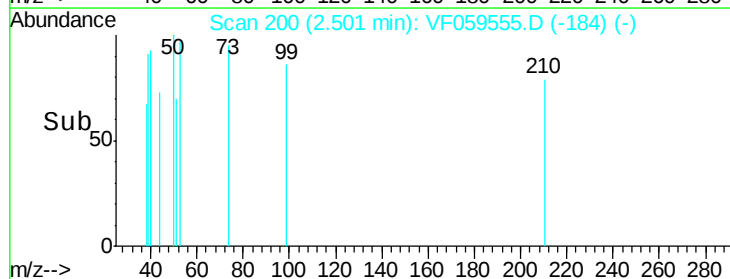
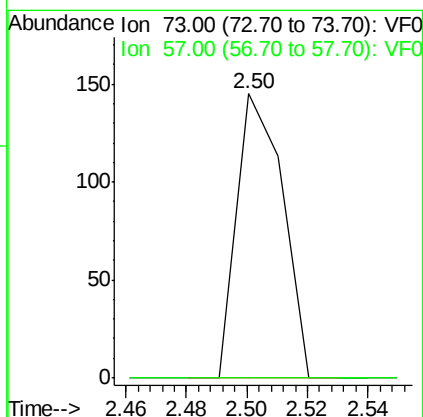
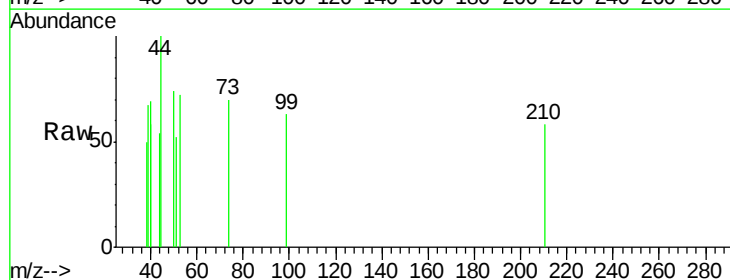
Instrument :
MSVOA_F
ClientSampled :
SB6-8

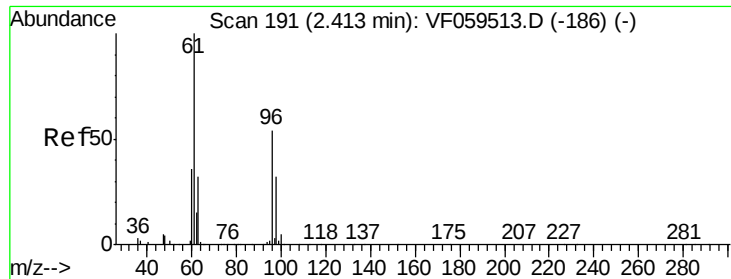
Tot Ion: 43 Resp: 305
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#19
Methyl tert-butyl Ether
Concen: 90.60 ug/l
RT: 2.50 min Scan# 200
Delta R.T. -0.04 min
Lab File: VF059555.D
Acq: 19 Jul 2018 12:37

Tgt Ion: 73 Resp: 153
Ion Ratio Lower Upper
73 100
57 0.0 14.3 21.5#





#21

trans-1,2-Dichloroethene

Concen: 132.61 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.05 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

SB6-8

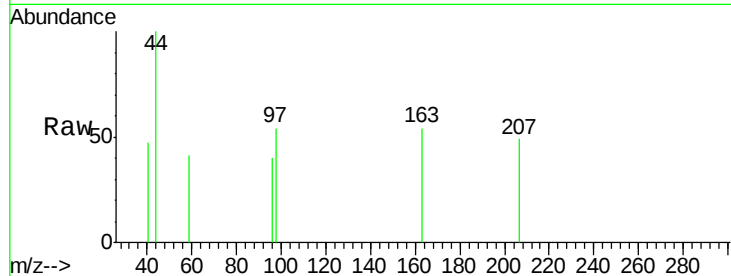
Tot Ion: 96 Resp: 66

Ion Ratio Lower Upper

96 100

61 0.0 149.8 224.8#

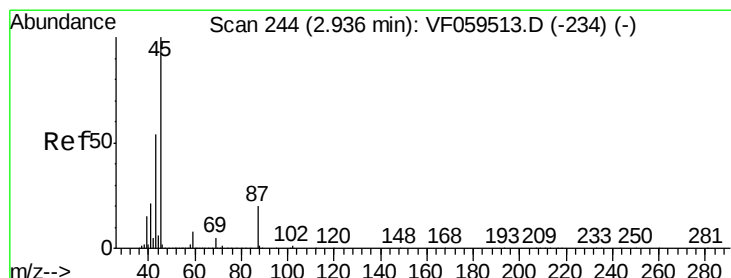
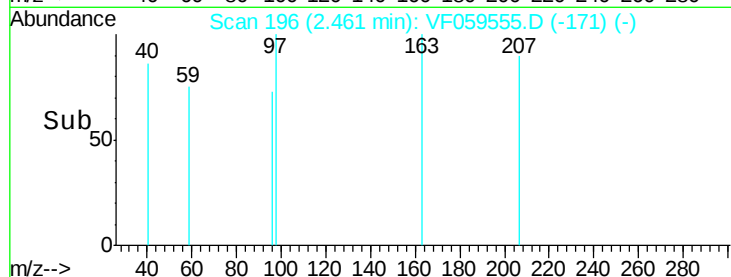
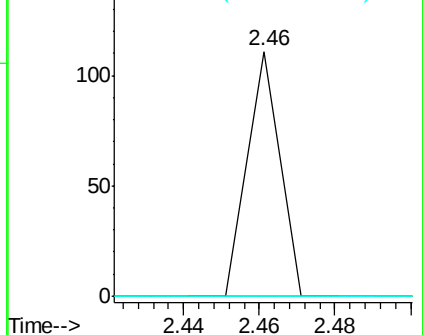
98 0.0 47.8 71.8#



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: 40.25 ug/l

RT: 2.96 min Scan# 247

Delta R.T. 0.03 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Tgt Ion: 45 Resp: 76

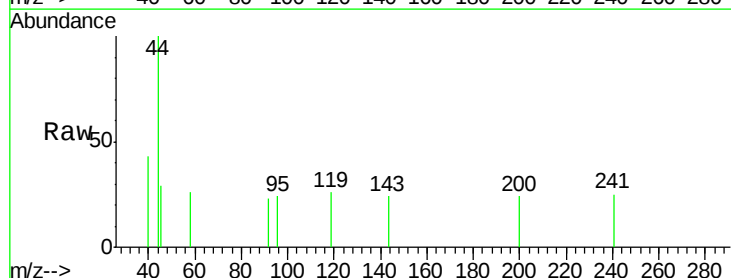
Ion Ratio Lower Upper

45 100

43 0.0 43.6 65.4#

87 0.0 15.6 23.4#

59 0.0 6.4 9.6#

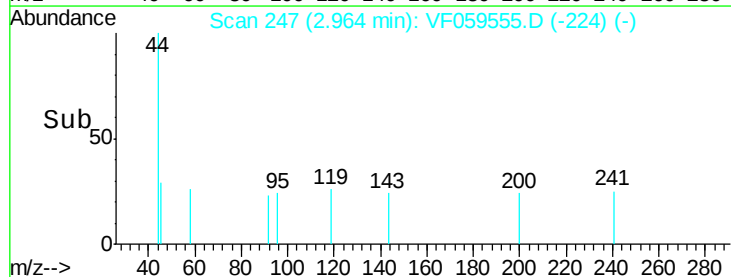
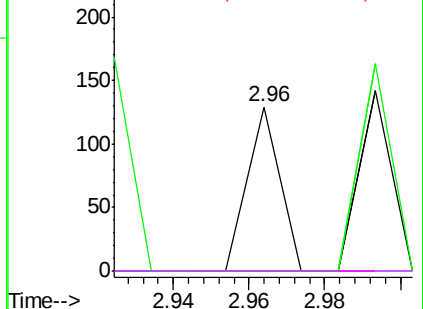


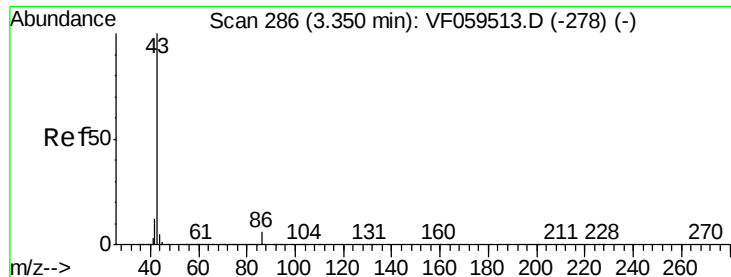
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 163.15 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampled :

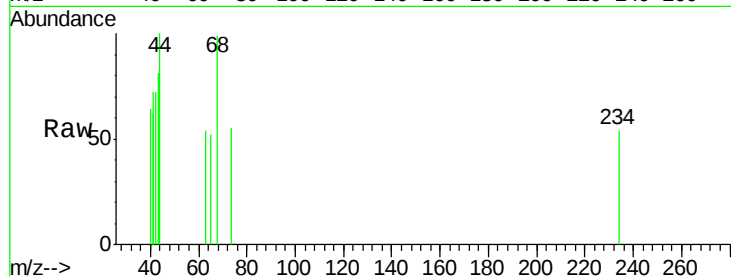
SB6-8

Tot Ion: 43 Resp: 180

Ion Ratio Lower Upper

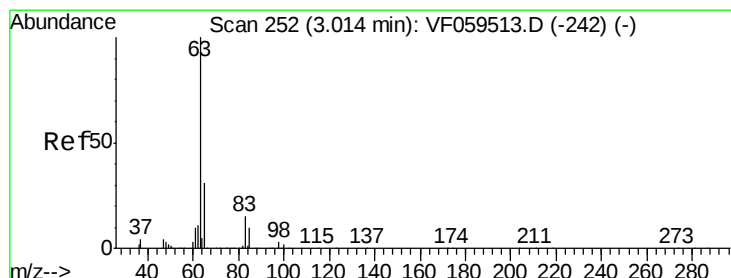
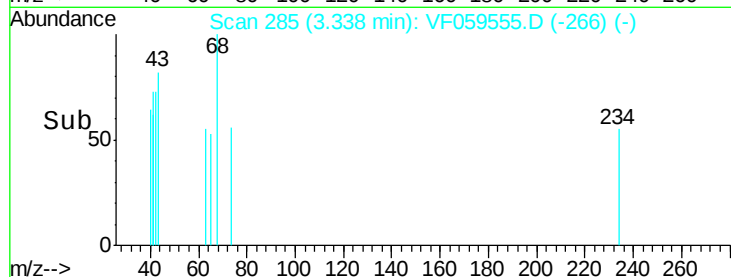
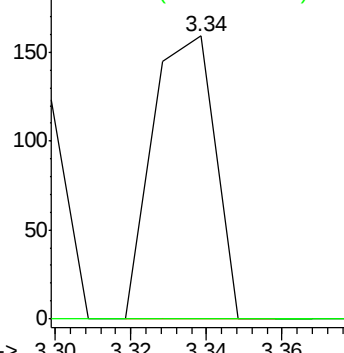
43 100

86 0.0 4.4 6.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 56.61 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.06 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

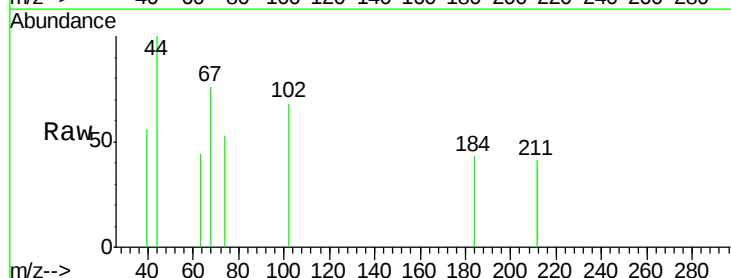
Tgt Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.4#

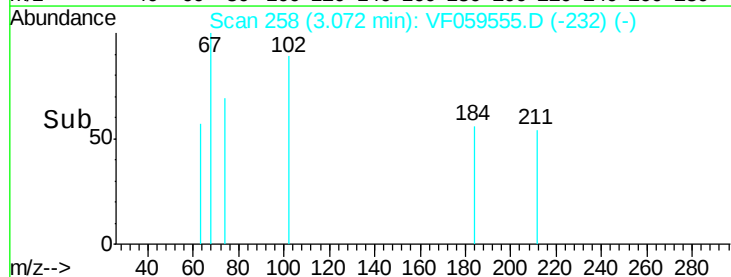
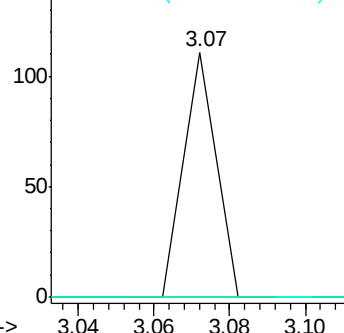
100 0.0 1.3 3.8#

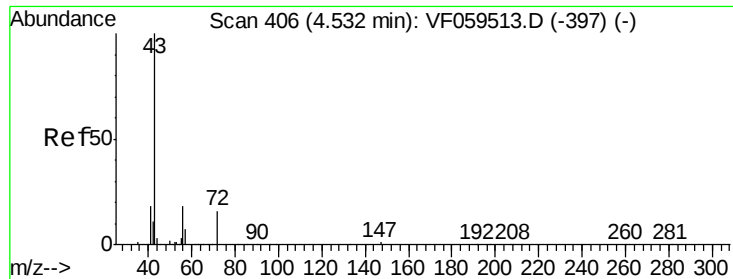


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 307.72 ug/l

RT: 4.60 min Scan# 413

Delta R.T. 0.07 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampled :

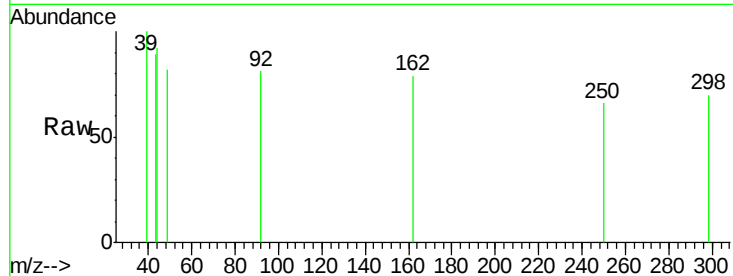
SB6-8

Tot Ion: 43 Resp: 80

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

4.60

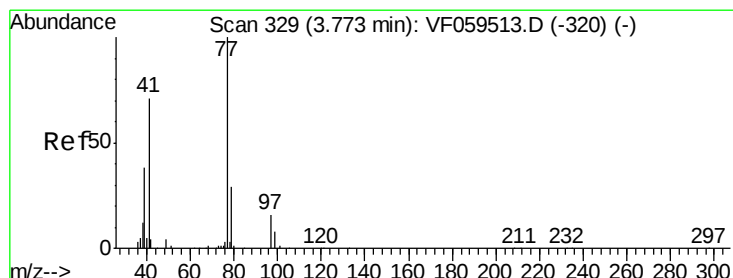
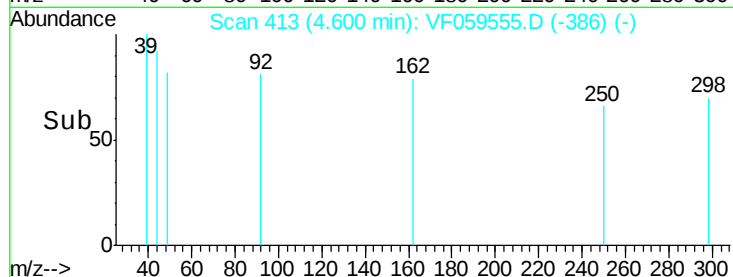
150

100

50

0

Time-->



#26

2,2-Dichloropropane

Concen: 95.93 ug/l

RT: 3.68 min Scan# 320

Delta R.T. -0.09 min

Lab File: VF059555.D

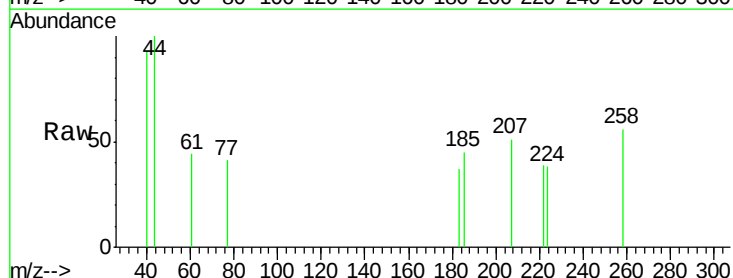
Acq: 19 Jul 2018 12:37

Tgt Ion: 77 Resp: 74

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

3.68

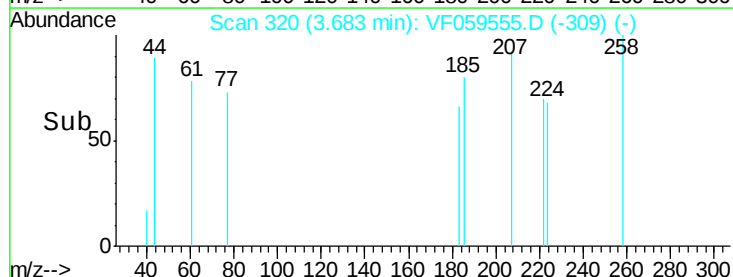
150

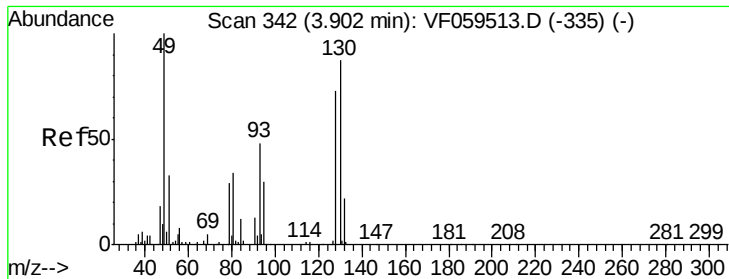
100

50

0

Time-->





#28

Bromochloromethane

Concen: 274.73 ug/l

RT: 4.02 min Scan# 354

Delta R.T. 0.12 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

SB6-8

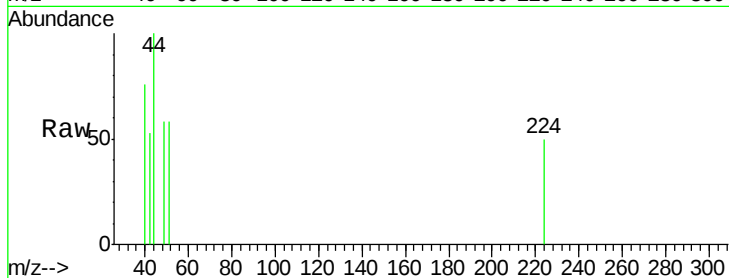
Tot Ion: 49 Resp: 141

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

130 0.0 69.8 104.6#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): VF0

Ion 130.00 (129.70 to 130.70): VF0

4.02

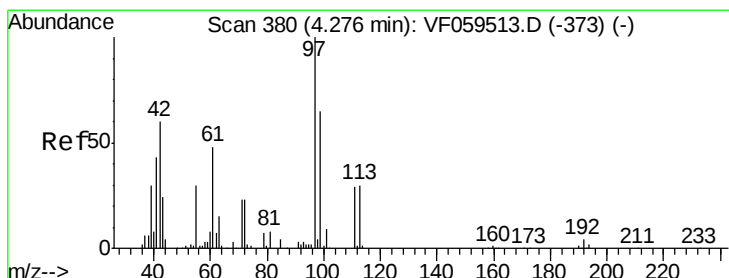
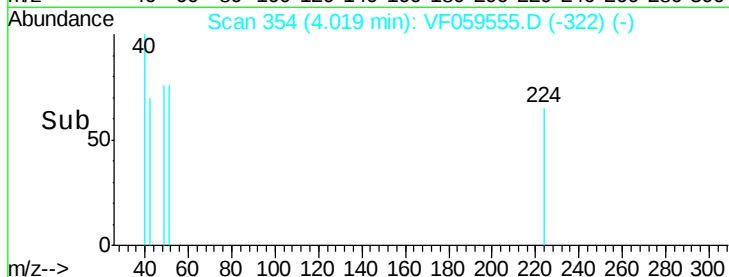
100

50

0

3.98 4.00 4.02 4.04 4.06

Time-->



#29

Tetrahydrofuran

Concen: 669.15 ug/l

RT: 4.26 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

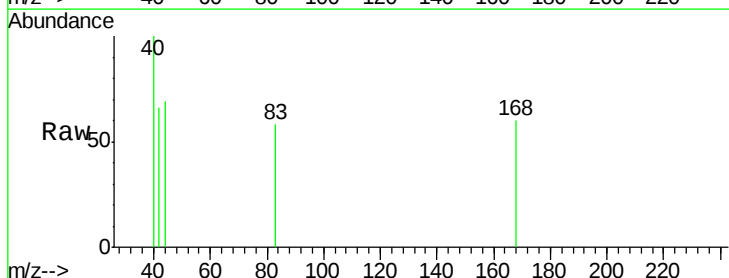
Tgt Ion: 42 Resp: 67

Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 0.0 30.8 46.2#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

4.26

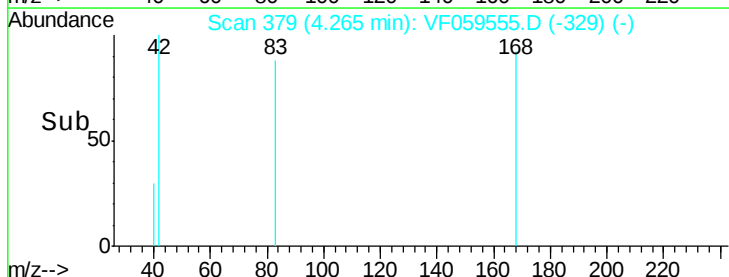
100

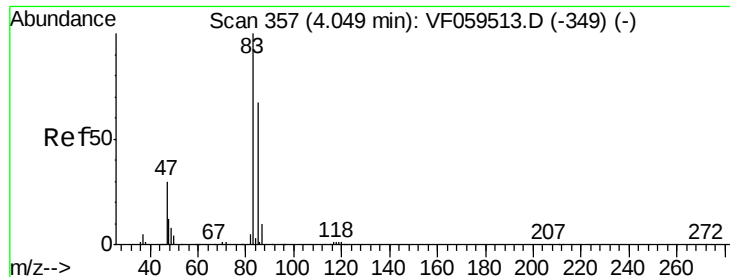
50

0

4.24 4.26 4.28

Time-->





#30

Chloroform

Concen: 51.06 ug/l

RT: 3.89 min Scan# 341

Delta R.T. -0.16 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampled :

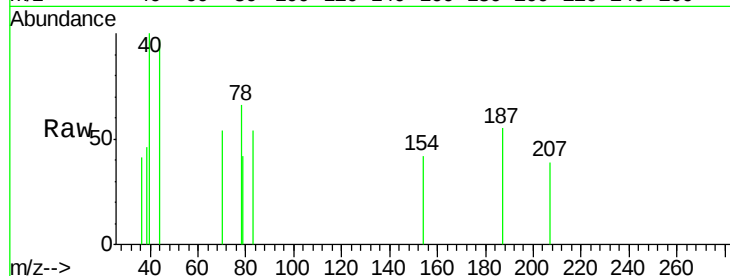
SB6-8

Tot Ion: 83 Resp: 86

Ion Ratio Lower Upper

83 100

85 0.0 53.2 79.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

3.89

150

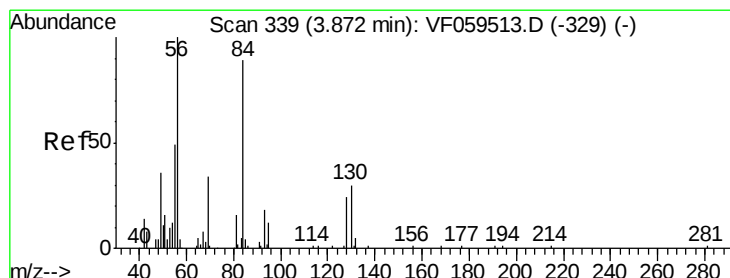
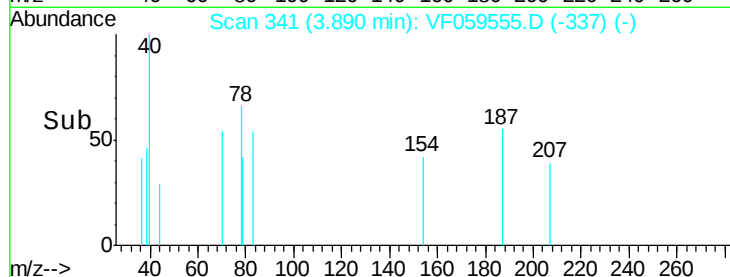
100

50

0

3.86 3.88 3.90 3.92

Time-->



#31

Cyclohexane

Concen: 127.50 ug/l

RT: 3.92 min Scan# 344

Delta R.T. 0.05 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

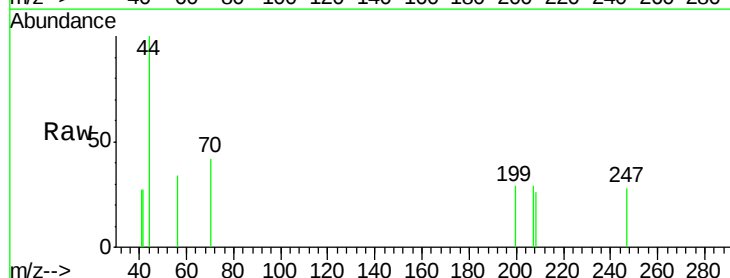
Tgt Ion: 56 Resp: 77

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

200

150

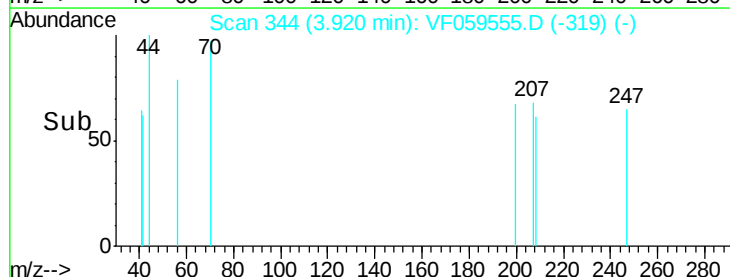
100

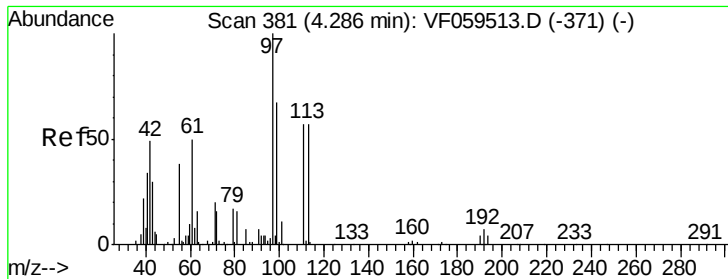
50

0

3.90 3.92 3.94

Time-->





#32

1,1,1-Trichloroethane

Concen: 61.21 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.08 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampled :

SB6-8

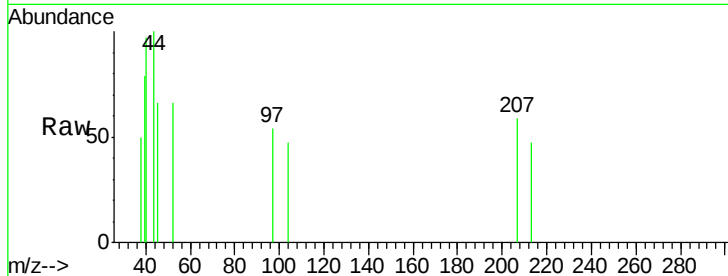
Tot Ion: 97 Resp: 67

Ion Ratio Lower Upper

97 100

99 0.0 53.5 80.3#

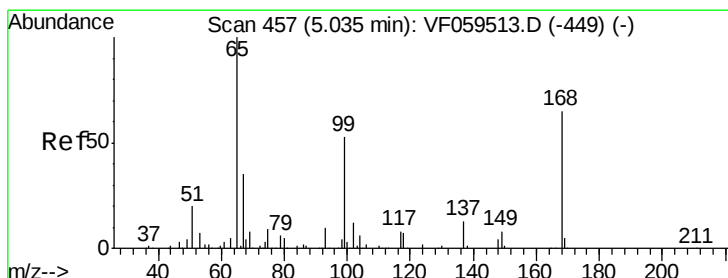
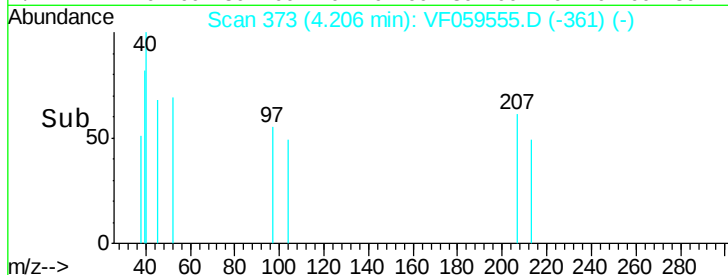
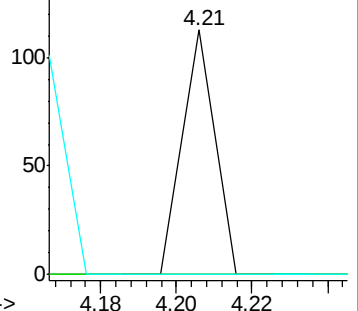
61 0.0 39.7 59.5#



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: 58.94 ug/l

RT: 5.13 min Scan# 467

Delta R.T. 0.10 min

Lab File: VF059555.D

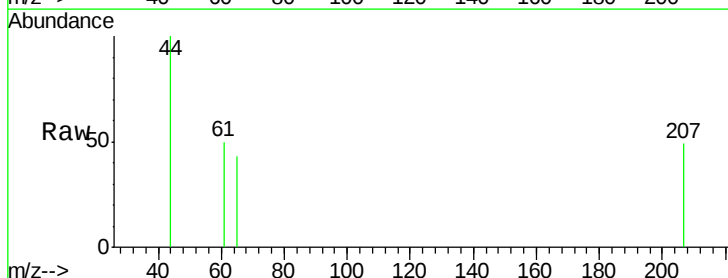
Acq: 19 Jul 2018 12:37

Tgt Ion: 65 Resp: 66

Ion Ratio Lower Upper

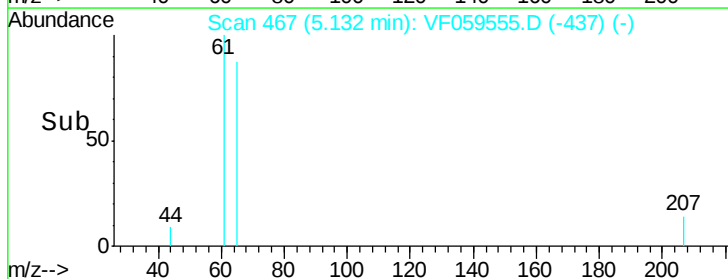
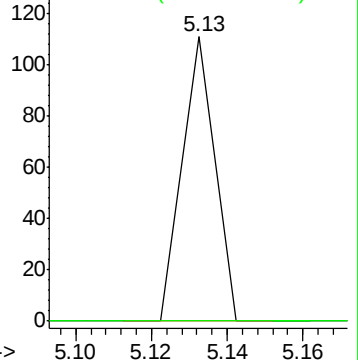
65 100

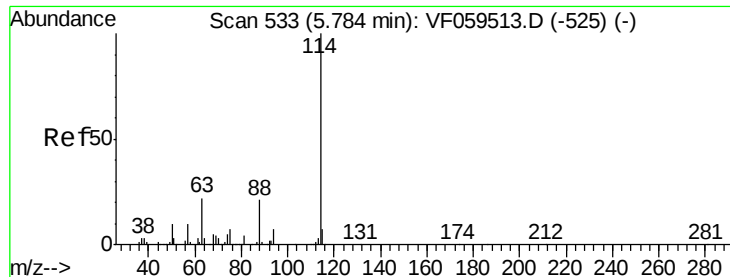
67 0.0 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

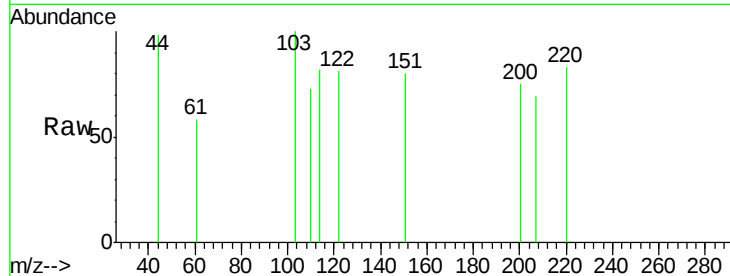




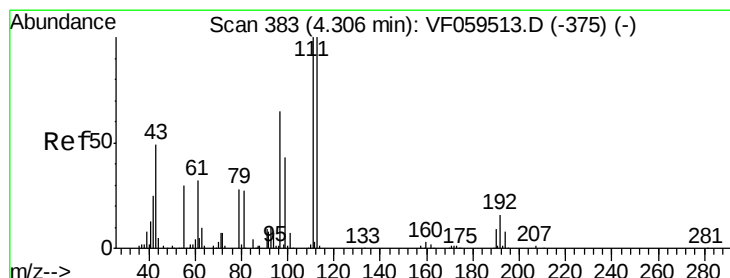
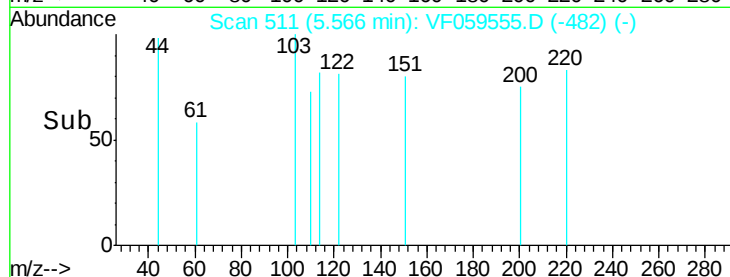
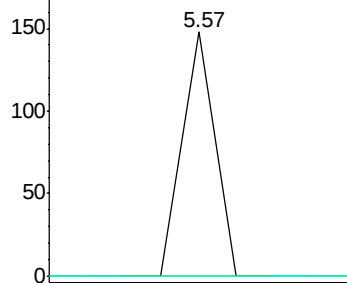
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.57 min Scan# 511
Delta R.T. -0.22 min
Lab File: VF059555.D
Acq: 19 Jul 2018 12:37

Instrument :
MSVOA_F
ClientSampleId :
SB6-8

Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	44.8
88	0.0	0.0	42.6

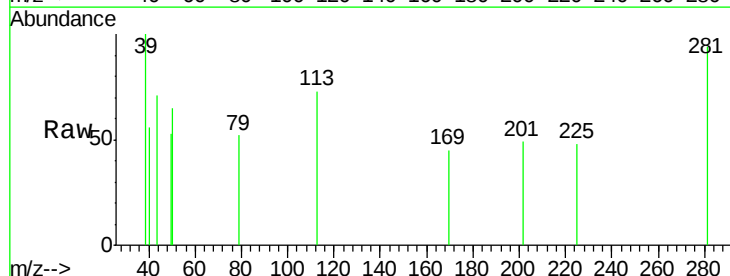


Abundance Ion 114.00 (113.70 to 114.70): V

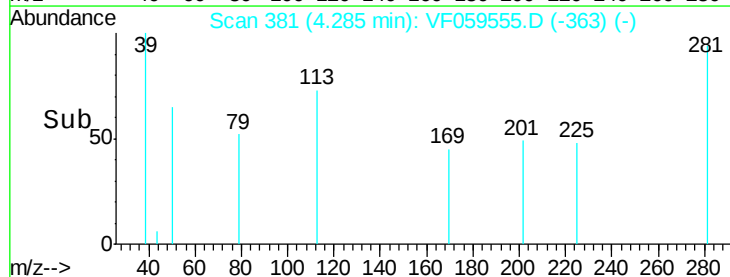
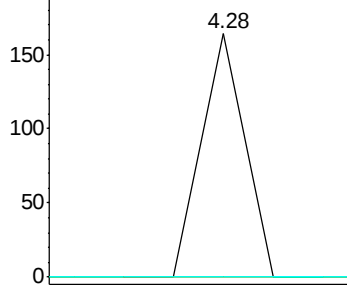


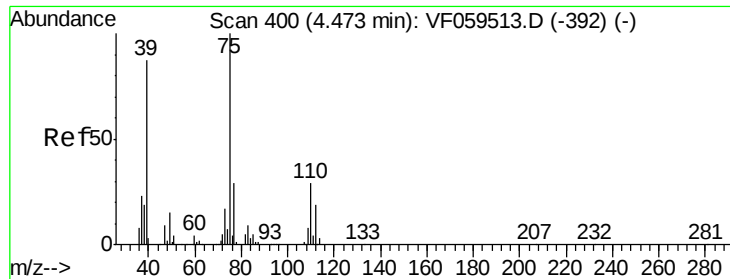
#35
Dibromofluoromethane
Concen: 127.27 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059555.D
Acq: 19 Jul 2018 12:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	0.0	80.3	120.5#
192	0.0	13.1	19.7#



Abundance Ion 113.00 (112.70 to 113.70): V





#36

1,1-Dichloropropene

Concen: 84.01 ug/l

RT: 4.41 min Scan# 394

Delta R.T. -0.06 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

SB6-8

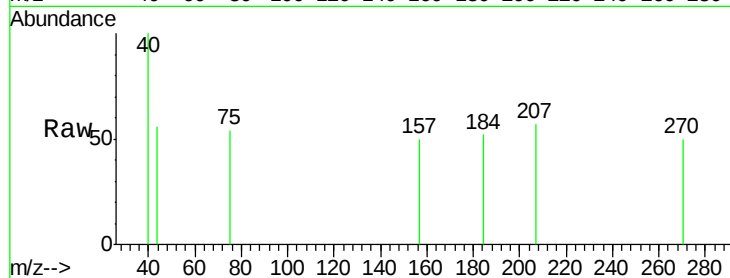
Tot Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

110 0.0 14.6 43.8#

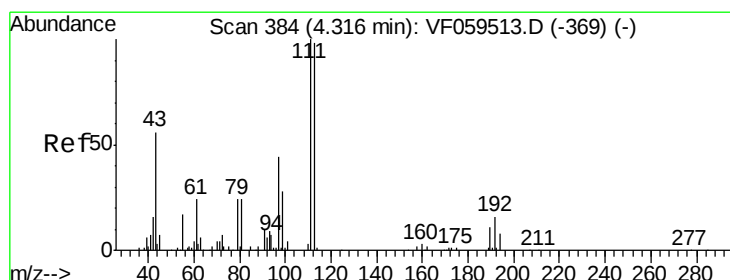
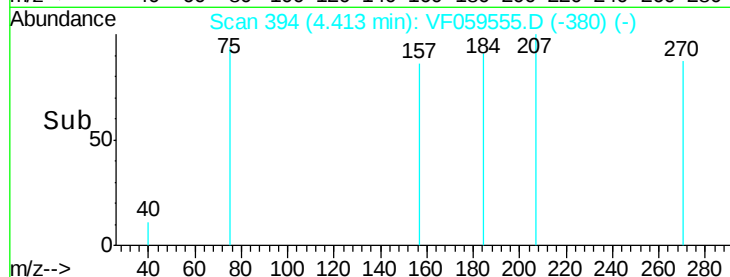
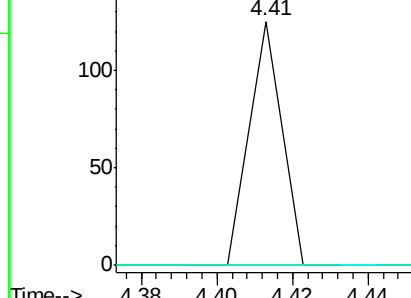
77 0.0 23.7 35.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 786.42 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.18 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

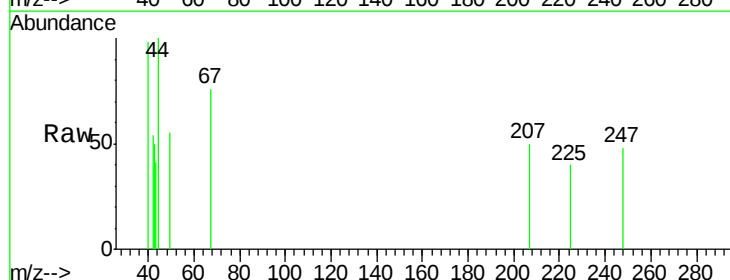
Tgt Ion: 43 Resp: 333

Ion Ratio Lower Upper

43 100

61 0.0 33.7 50.5#

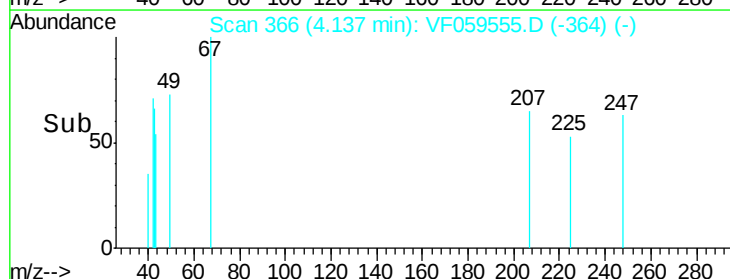
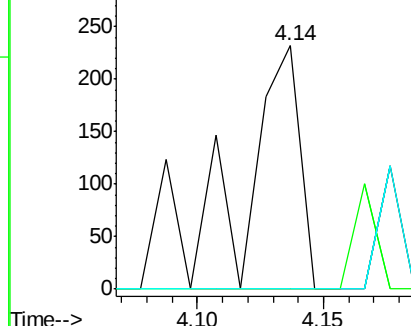
70 0.0 7.4 11.0#

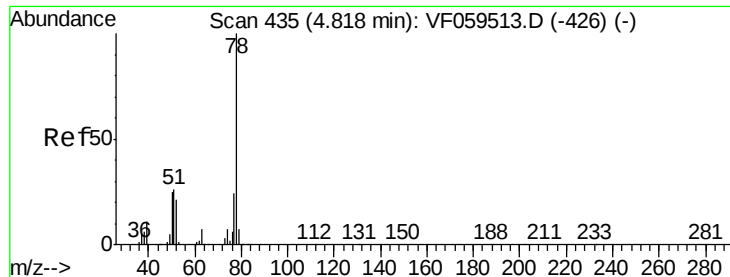


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#40

Benzene

Concen: 36.87 ug/l

RT: 4.56 min Scan# 409

Delta R.T. -0.26 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampled :

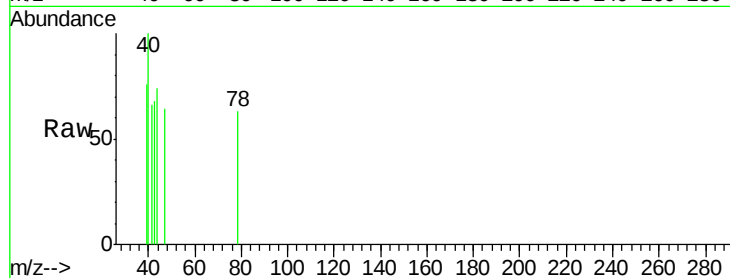
SB6-8

Tot Ion: 78 Resp: 63

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

4.56

120

100

80

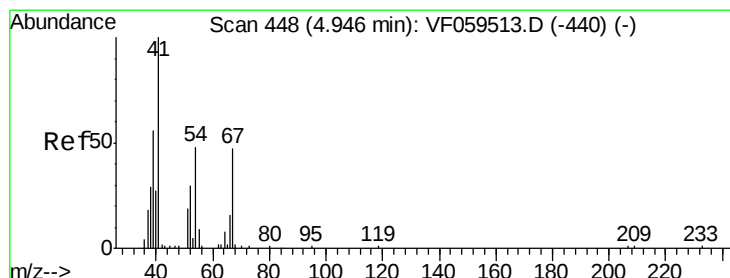
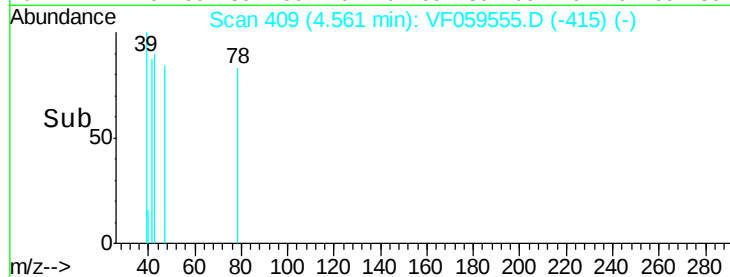
60

40

20

0

Time-->



#41

Methacrylonitrile

Concen: 245.45 ug/l

RT: 4.83 min Scan# 436

Delta R.T. -0.12 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Tgt Ion: 41 Resp: 62

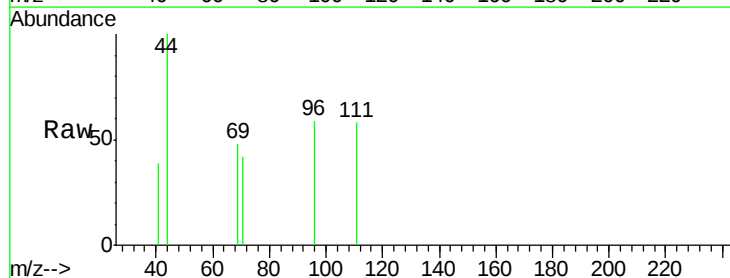
Ion Ratio Lower Upper

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

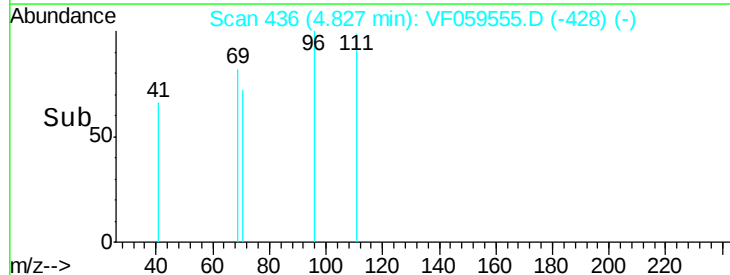
150

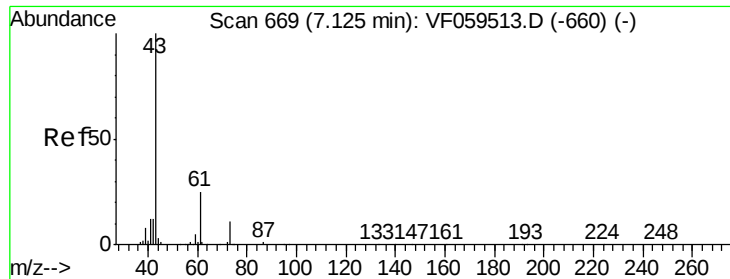
100

50

0

Time-->





#43

Isopropyl Acetate

Concen: 94.80 ug/l

RT: 6.77 min Scan# 633

Delta R.T. -0.36 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

SB6-8

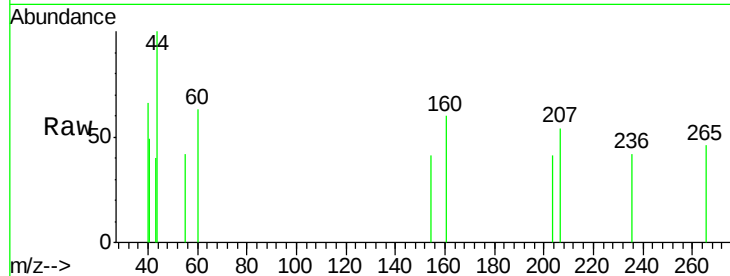
Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

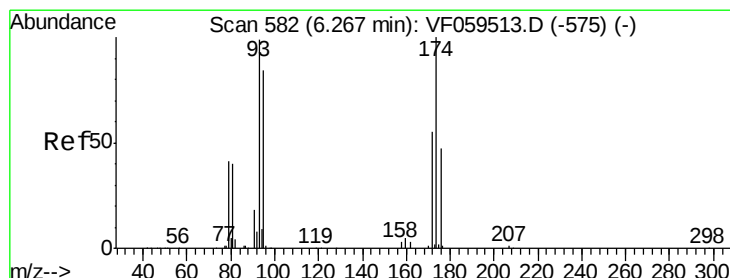
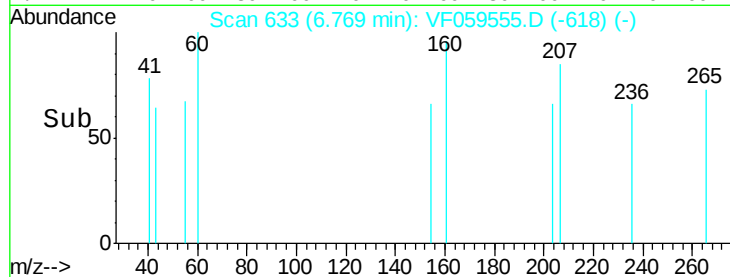
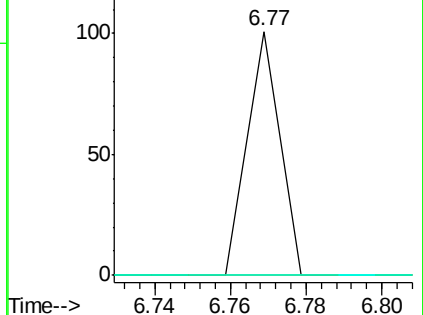
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#46

Dibromomethane

Concen: 245.41 ug/l

RT: 6.16 min Scan# 571

Delta R.T. -0.11 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

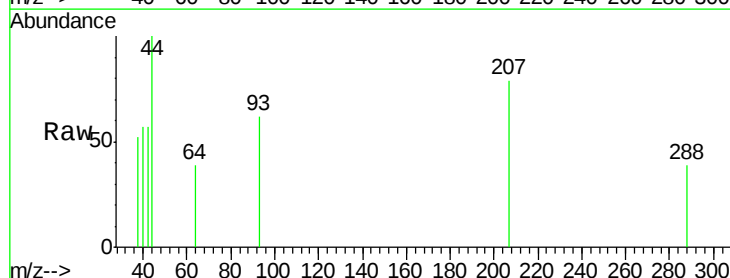
Tgt Ion: 93 Resp: 106

Ion Ratio Lower Upper

93 100

95 0.0 68.3 102.5#

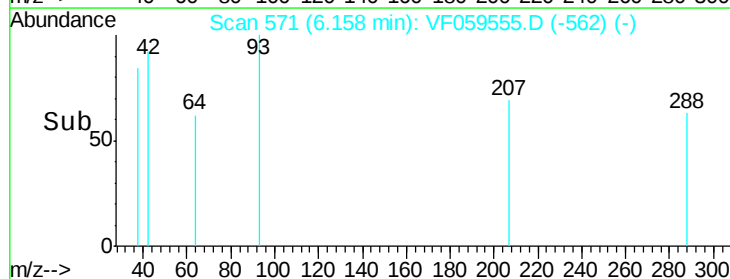
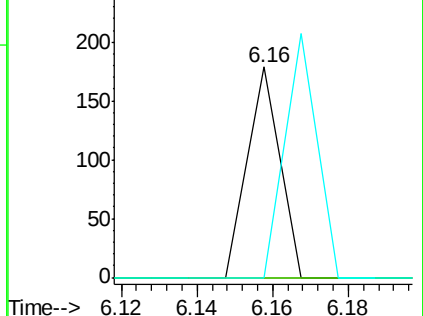
174 0.0 81.2 121.8#

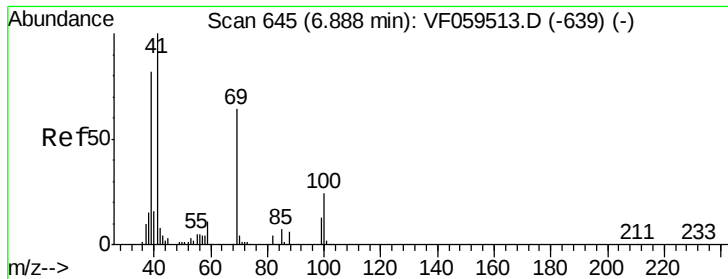


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

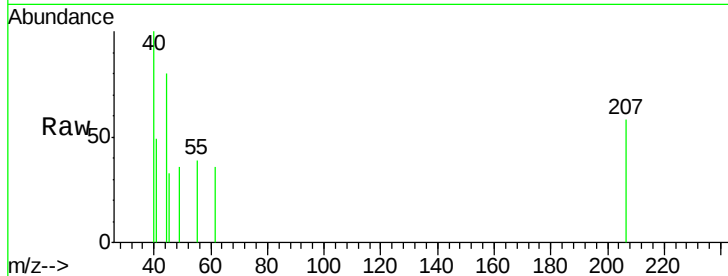




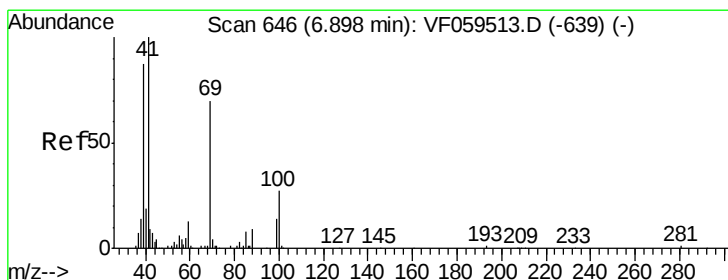
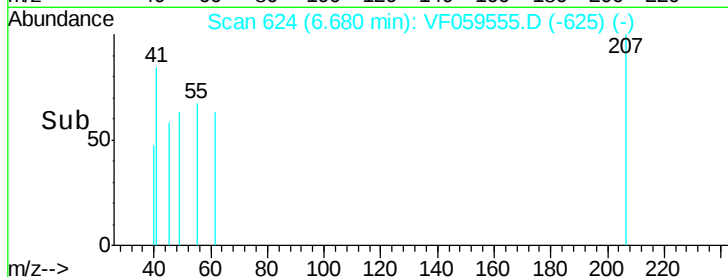
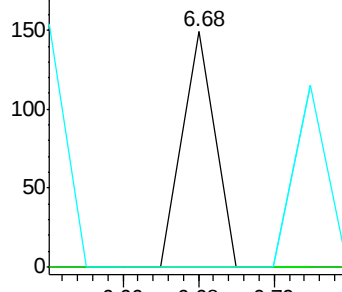
#48
Methyl methacrylate
Concen: 194.68 ug/l
RT: 6.68 min Scan# 624
Delta R.T. -0.21 min
Lab File: VF059555.D
Acq: 19 Jul 2018 12:37

Instrument :
MSVOA_F
ClientSampled :
SB6-8

Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.3	76.9#
39	0.0	65.3	97.9#

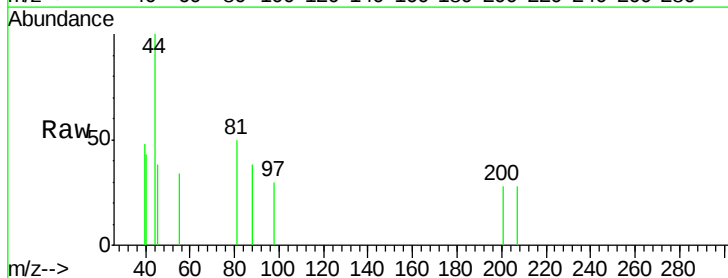


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

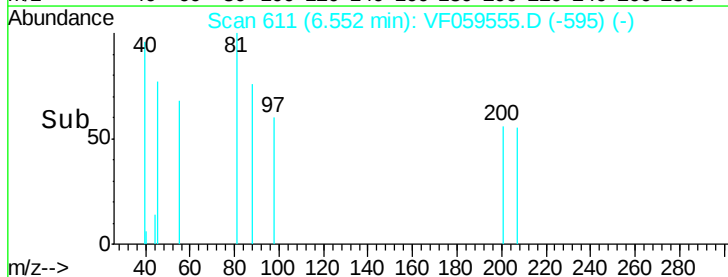
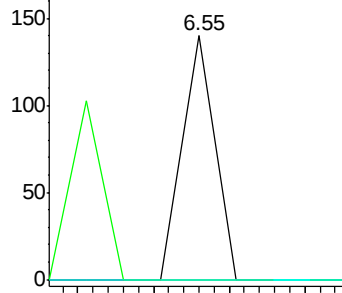


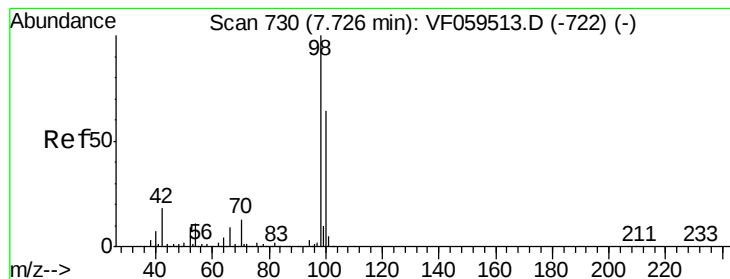
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.55 min Scan# 611
Delta R.T. -0.35 min
Lab File: VF059555.D
Acq: 19 Jul 2018 12:37

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	64.8	97.2#
58	0.0	44.1	66.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 33.86 ug/l

RT: 7.36 min Scan# 693

Delta R.T. -0.37 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

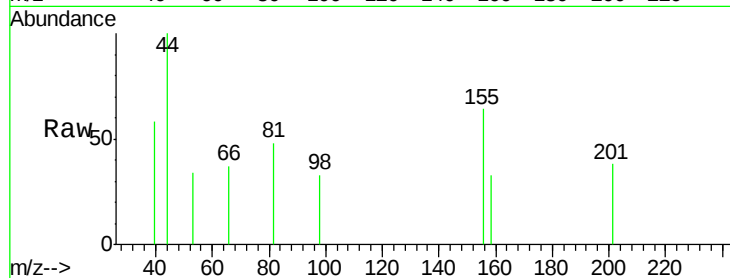
SB6-8

Tot Ion: 98 Resp: 65

Ion Ratio Lower Upper

98 100

100 0.0 50.9 76.3#

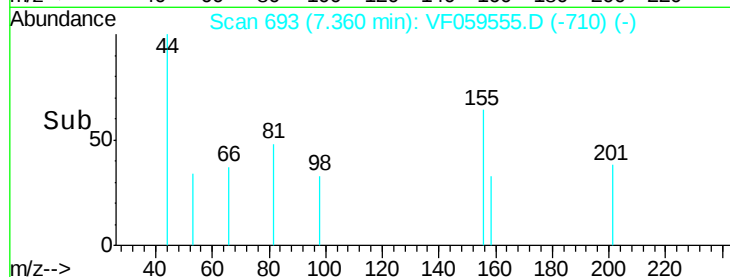


Abundance Ion 98.00 (97.70 to 98.70): VF0

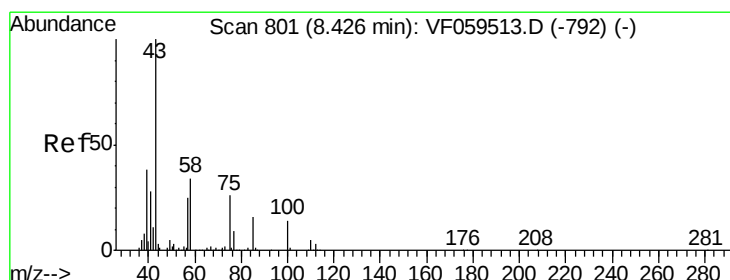
Ion 100.00 (99.70 to 100.70): VF0

7.36

Time-->



Time-->



#51

4-Methyl-2-Pentanone

Concen: 171.62 ug/l

RT: 8.11 min Scan# 769

Delta R.T. -0.32 min

Lab File: VF059555.D

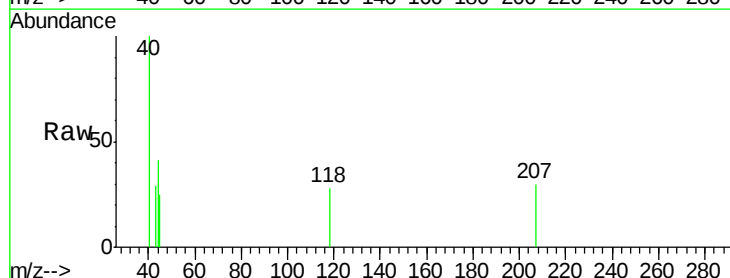
Acq: 19 Jul 2018 12:37

Tgt Ion: 43 Resp: 77

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.2#

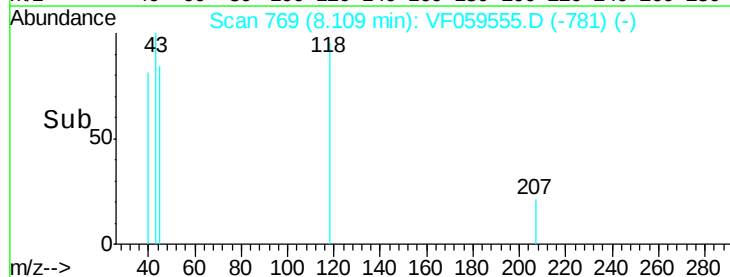


Abundance Ion 43.00 (42.70 to 43.70): VF0

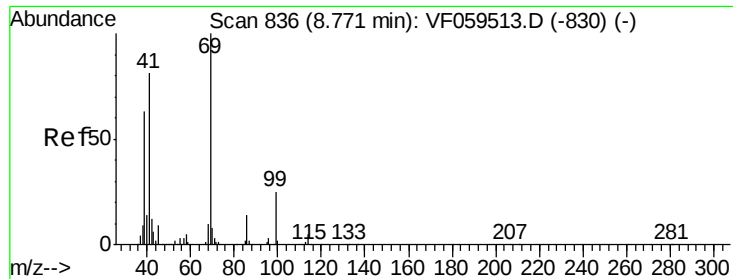
Ion 58.00 (57.70 to 58.70): VF0

8.11

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 102.44 ug/l

RT: 8.48 min Scan# 807

Delta R.T. -0.29 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleID :

SB6-8

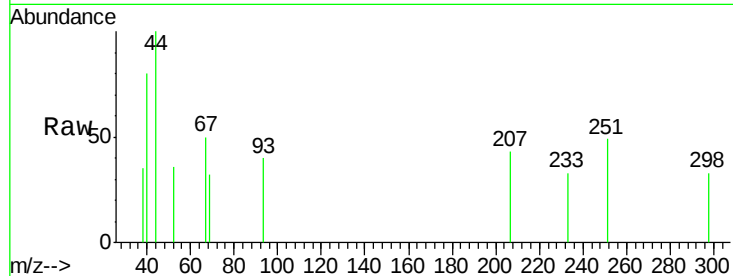
Tot Ion: 69 Resp: 61

Ion Ratio Lower Upper

69 100

41 0.0 65.4 98.2#

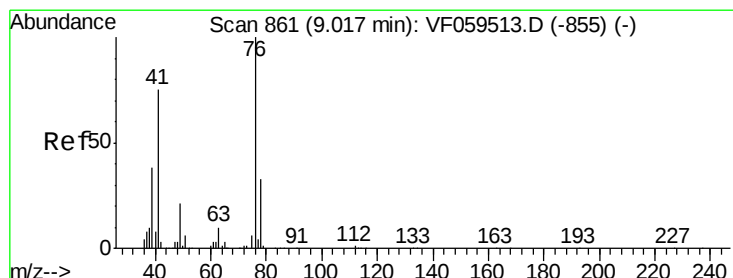
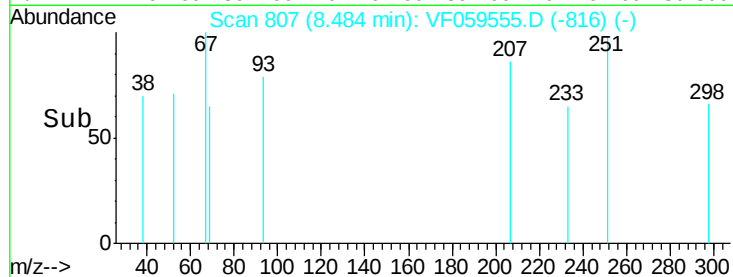
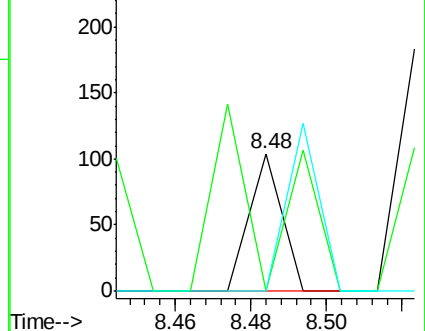
39 0.0 51.0 76.4#



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: 73.02 ug/l

RT: 8.70 min Scan# 829

Delta R.T. -0.32 min

Lab File: VF059555.D

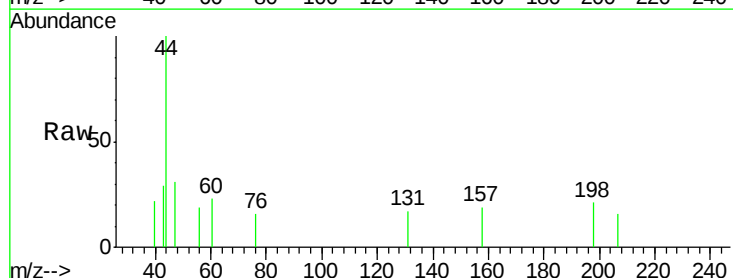
Acq: 19 Jul 2018 12:37

Tgt Ion: 76 Resp: 62

Ion Ratio Lower Upper

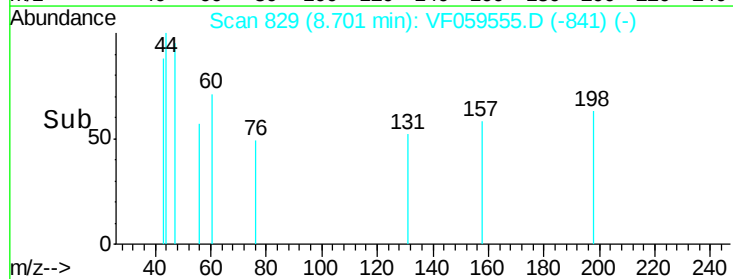
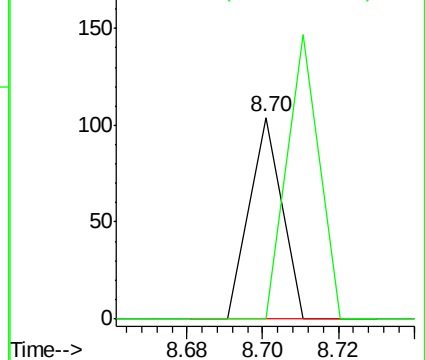
76 100

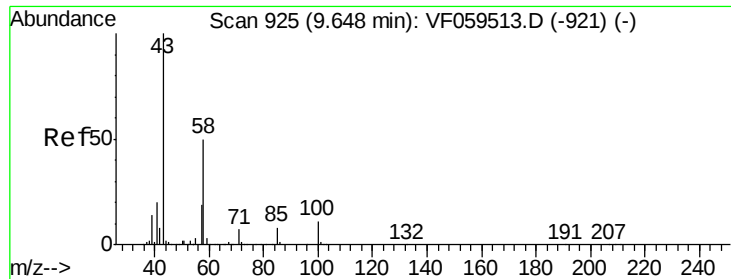
78 0.0 26.4 39.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

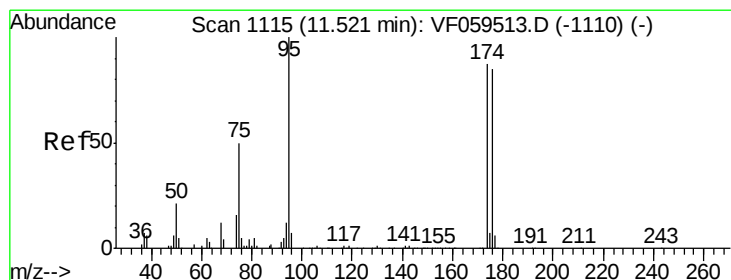
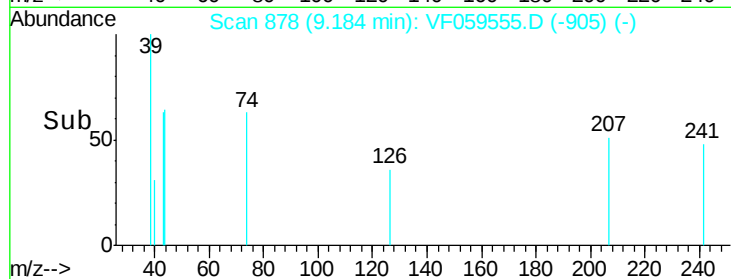
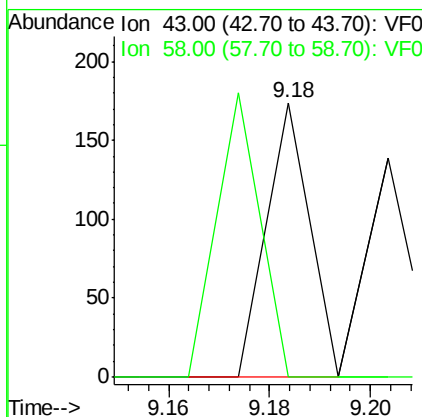
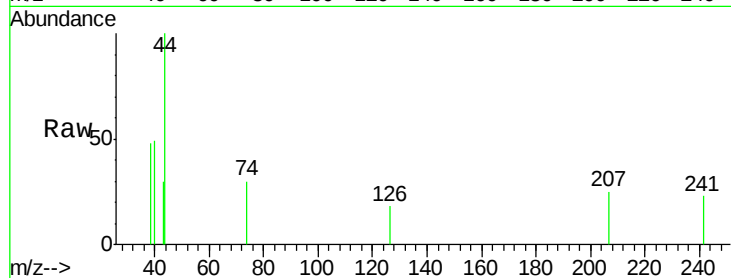




#59
2-Hexanone
Concen: 303.77 ug/l
RT: 9.18 min Scan# 878
Delta R.T. -0.46 min
Lab File: VF059555.D
Acq: 19 Jul 2018 12:37

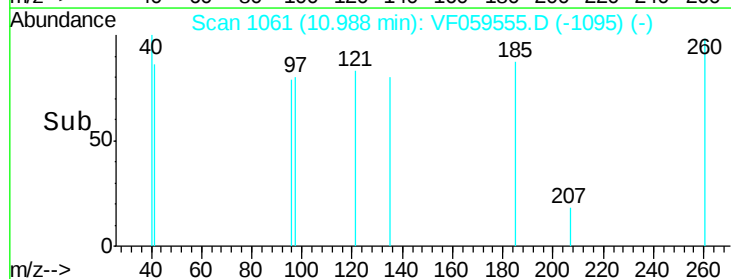
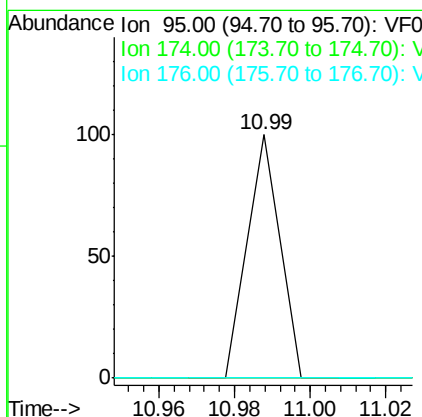
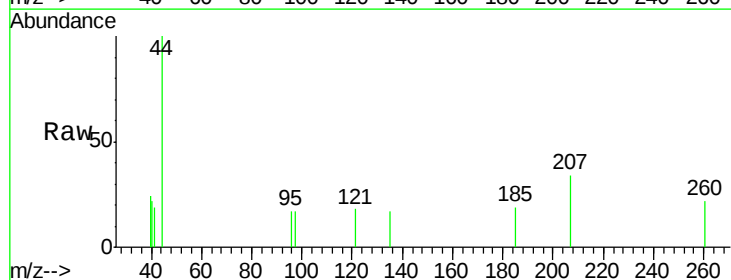
Instrument :
MSVOA_F
ClientSampleId :
SB6-8

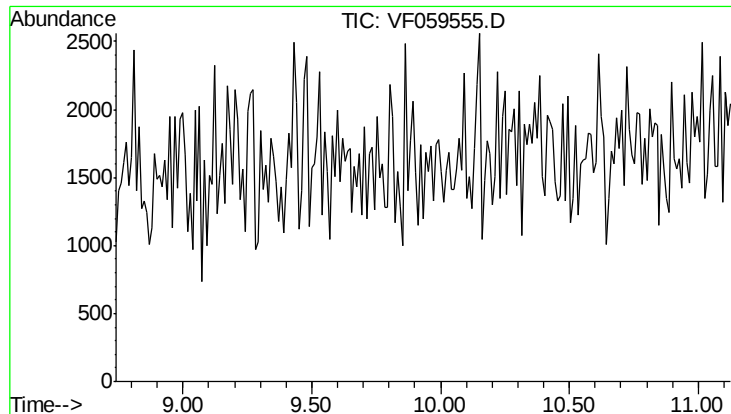
Tot Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#



#62
4-Bromofluorobenzene
Concen: 58.58 ug/l
RT: 10.99 min Scan# 1061
Delta R.T. -0.53 min
Lab File: VF059555.D
Acq: 19 Jul 2018 12:37

Tgt Ion: 95 Resp: 59
Ion Ratio Lower Upper
95 100
174 0.0 0.0 174.4
176 0.0 0.0 169.4

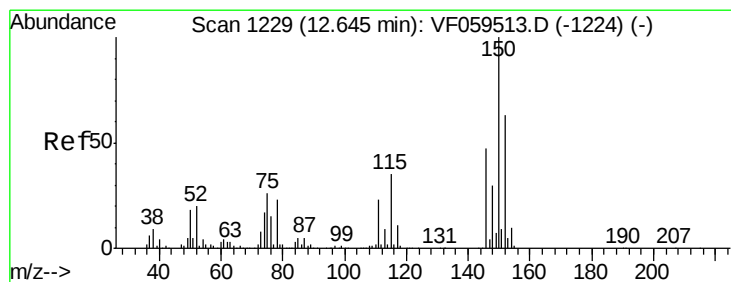
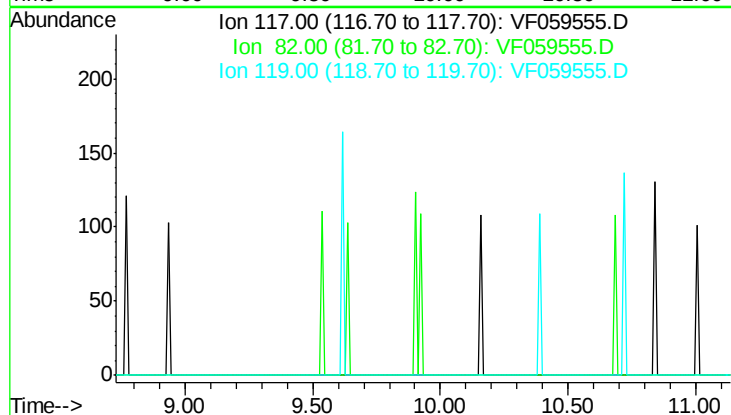




#63
 Chlorobenzene-d5
 Concen: 0.00 ug/l
 Expected RT: 9.93 min
 Lab File: VF059555.D
 Acq: 19 Jul 2018 12:37

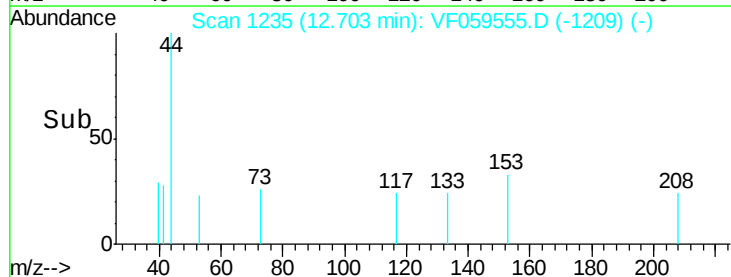
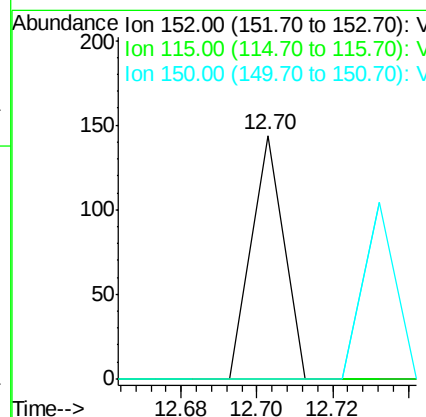
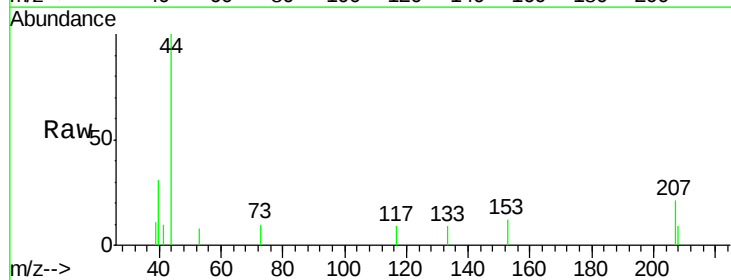
Instrument :
 MSVOA_F
 ClientSampleId :
 SB6-8

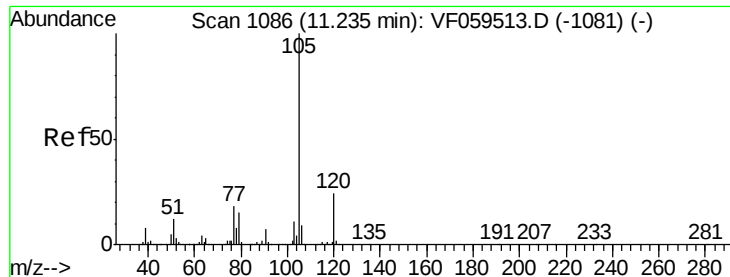
Tot Ion: 117
 Sig Exp Ratio
 117 100
 82 57.6
 119 34.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.70 min Scan# 1235
 Delta R.T. 0.06 min
 Lab File: VF059555.D
 Acq: 19 Jul 2018 12:37

Tgt Ion: 152 Resp: 85
 Ion Ratio Lower Upper
 152 100
 115 0.0 27.8 83.3#
 150 0.0 0.0 318.4





#73

Isopropylbenzene

Concen: 12.86 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampled :

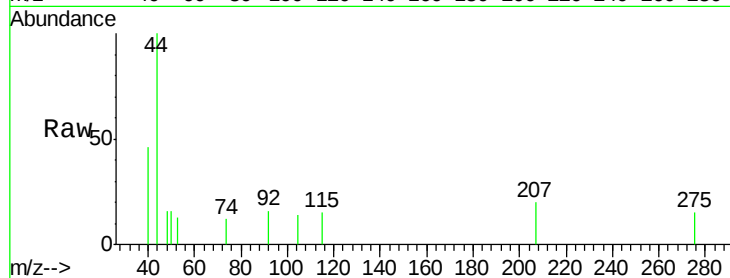
SB6-8

Tot Ion: 105 Resp: 69

Ion Ratio Lower Upper

105 100

120 0.0 12.0 36.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

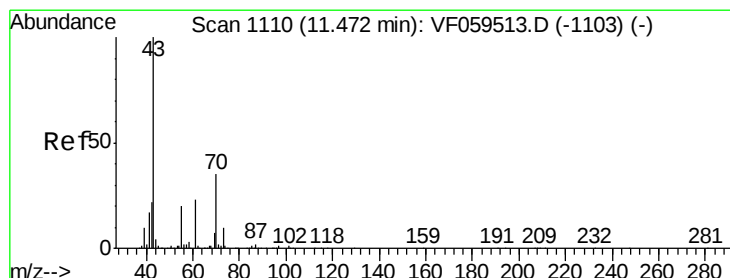
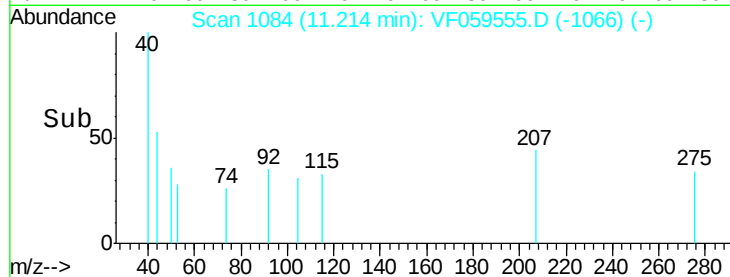
11.21

100

50

0

Time--> 11.18 11.20 11.22 11.24



#74

N-ethyl acetate

Concen: 43.66 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Tgt Ion: 43 Resp: 75

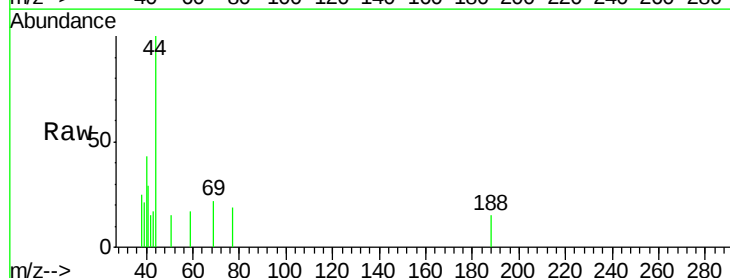
Ion Ratio Lower Upper

43 100

70 0.0 27.9 41.9#

55 0.0 16.2 24.2#

61 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

250

200

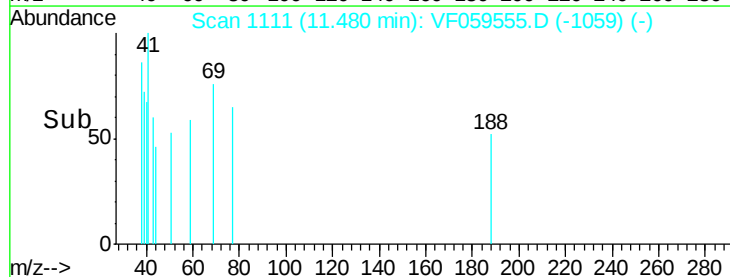
150

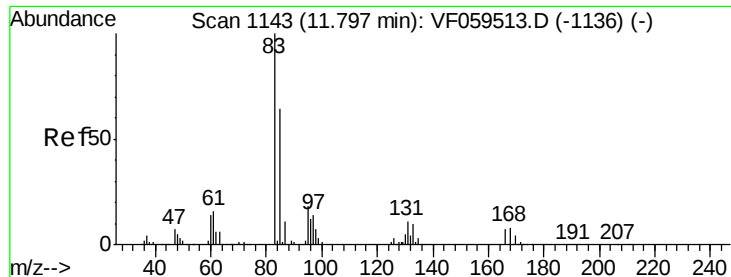
100

50

0

Time--> 11.46 11.48 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 78.64 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.12 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

SB6-8

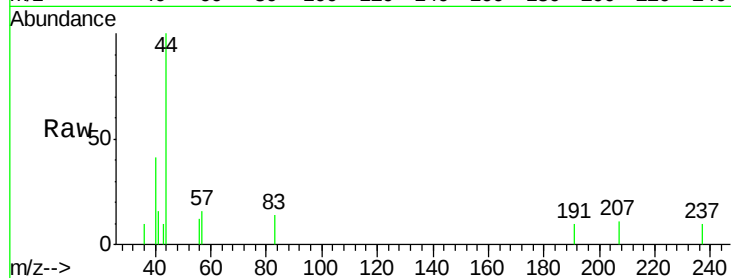
Tot Ion: 83 Resp: 92

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

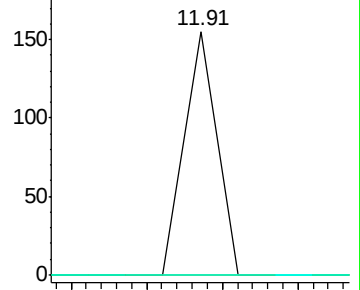
85 0.0 31.9 95.9#



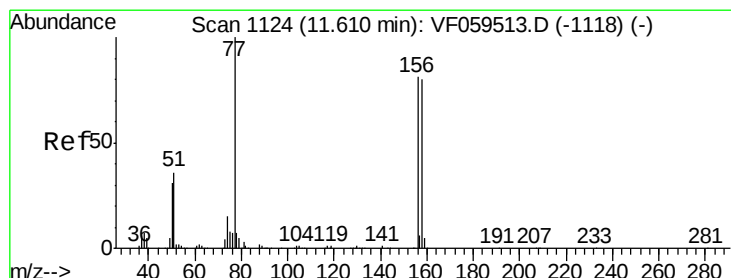
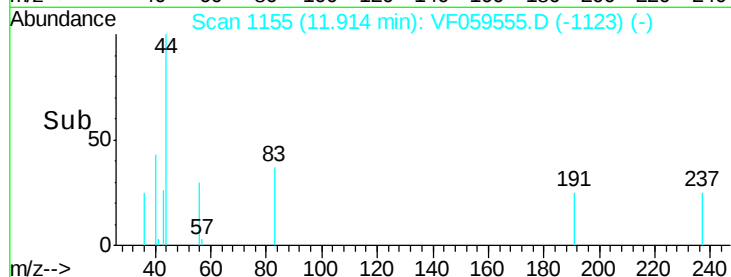
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



Time--> 11.88 11.90 11.92 11.94



#77

Bromobenzene

Concen: 59.20 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. 0.14 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

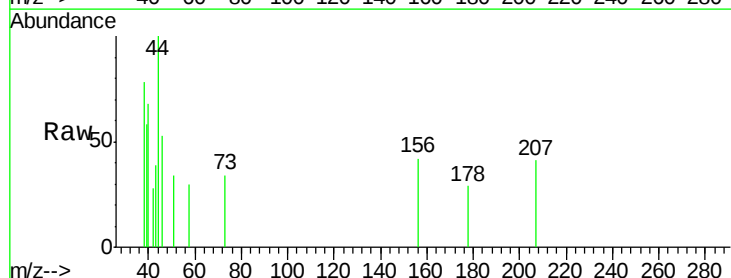
Tgt Ion: 156 Resp: 89

Ion Ratio Lower Upper

156 100

77 0.0 62.0 186.0#

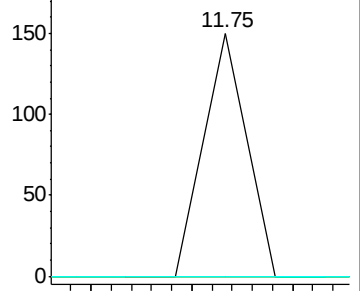
158 0.0 49.8 149.3#



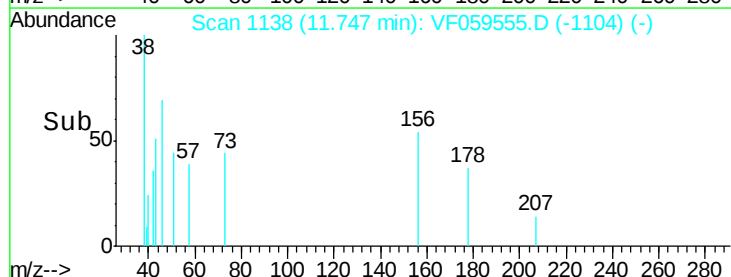
Abundance Ion 156.00 (155.70 to 156.70): V

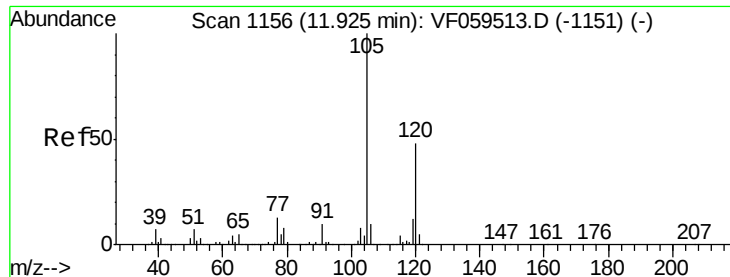
Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



Time--> 11.72 11.74 11.76

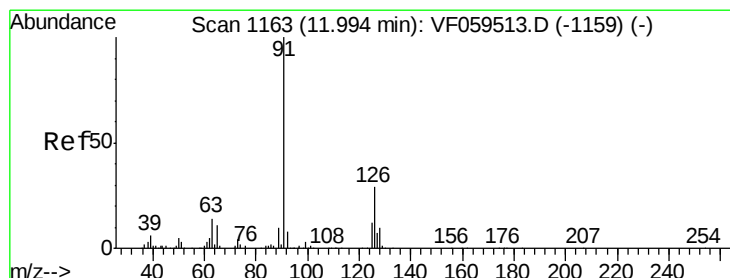
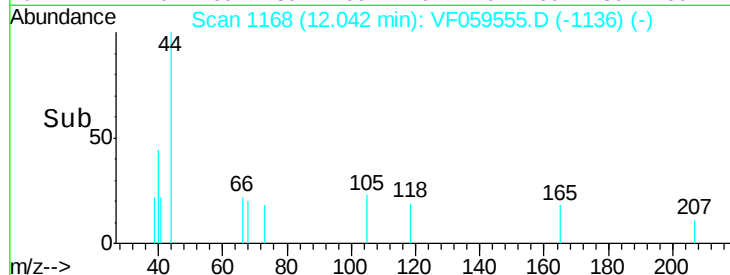
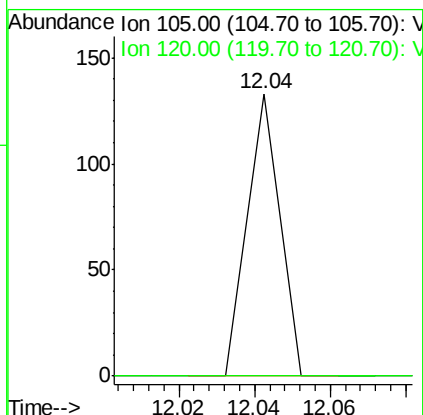
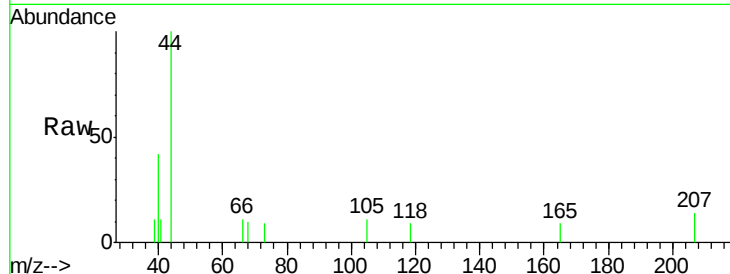




#80
 1,3,5-Trimethylbenzene
 Concen: 17.58 ug/l
 RT: 12.04 min Scan# 1168
 Delta R.T. 0.12 min
 Lab File: VF059555.D
 Acq: 19 Jul 2018 12:37

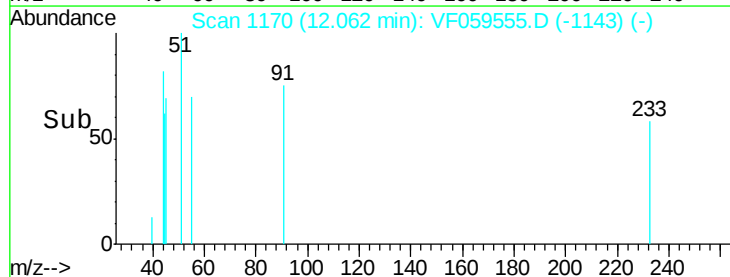
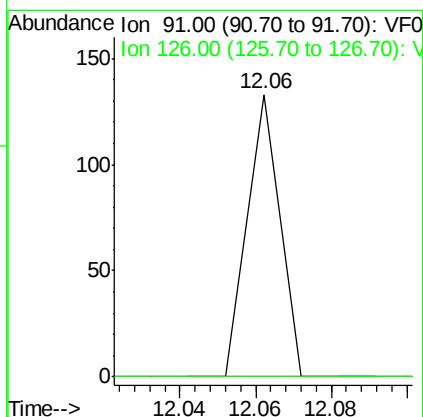
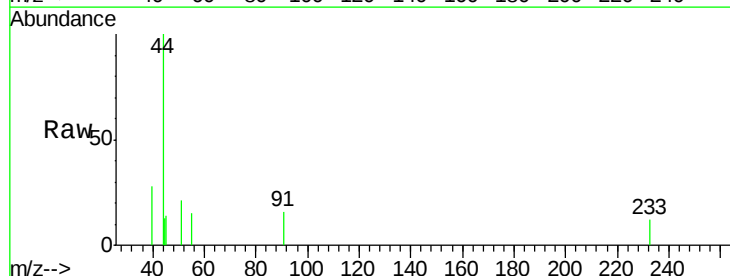
Instrument :
 MSVOA_F
 ClientSampled :
 SB6-8

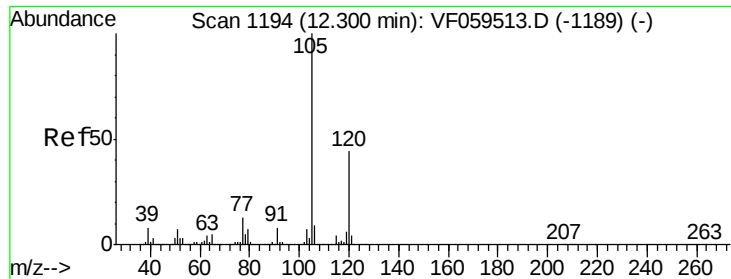
Tot Ion: 105 Resp: 79
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.1 72.4#



#82
 4-Chlorotoluene
 Concen: 18.60 ug/l
 RT: 12.06 min Scan# 1170
 Delta R.T. 0.07 min
 Lab File: VF059555.D
 Acq: 19 Jul 2018 12:37

Tgt Ion: 91 Resp: 79
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.4 43.4#





#84

1,2,4-Trimethylbenzene

Concen: 13.19 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.10 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

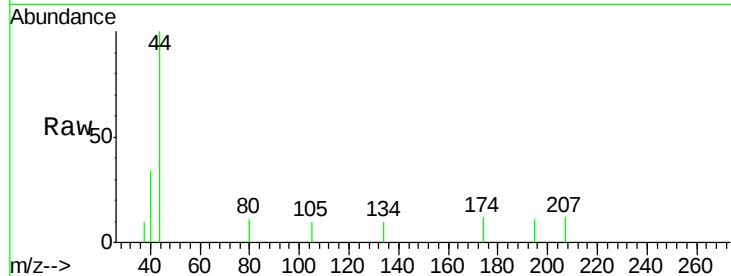
SB6-8

Tot Ion:105 Resp: 61

Ion Ratio Lower Upper

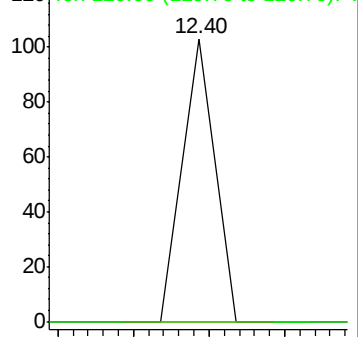
105 100

120 0.0 22.5 67.5#

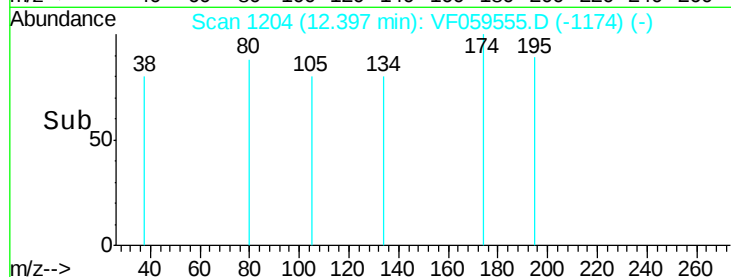


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.36 12.38 12.40 12.42



#85

sec-Butylbenzene

Concen: 11.12 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VF059555.D

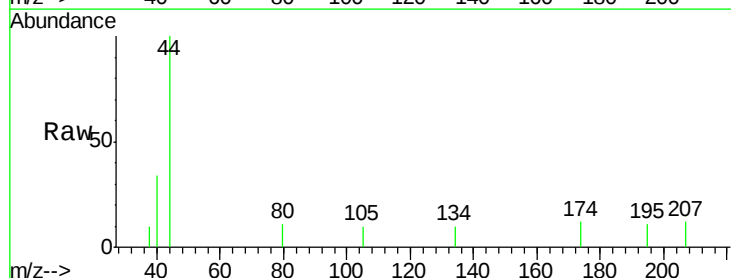
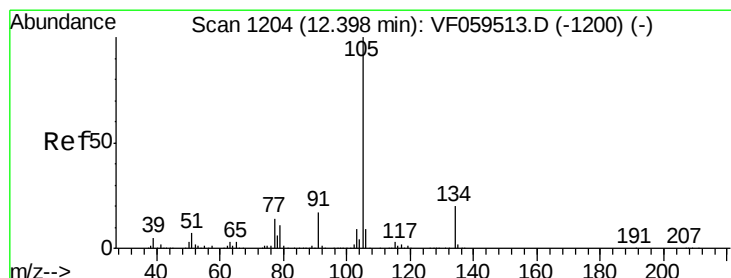
Acq: 19 Jul 2018 12:37

Tgt Ion:105 Resp: 61

Ion Ratio Lower Upper

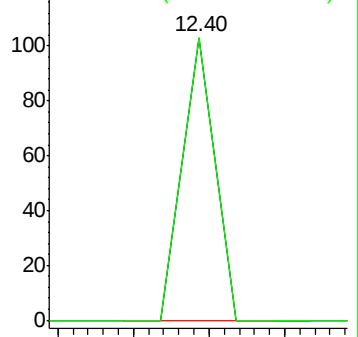
105 100

134 100.0 10.1 30.1#

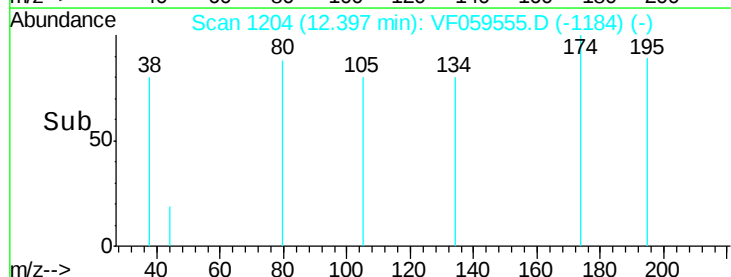


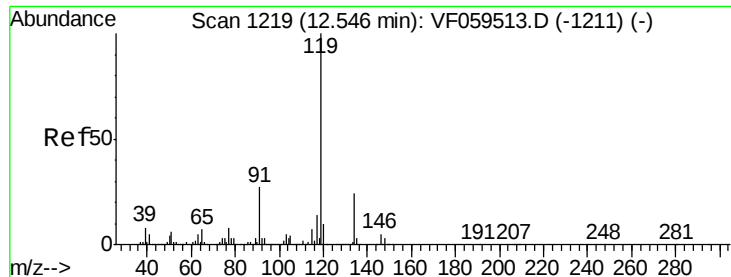
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 12.36 12.38 12.40 12.42





#86

p-Isopropyltoluene

Concen: 12.78 ug/l

RT: 12.58 min Scan# 1223

Delta R.T. 0.04 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

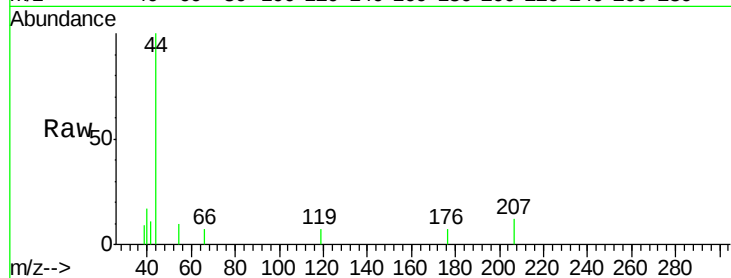
Instrument :

MSVOA_F

ClientSampled :

SB6-8

Tot Ion:	119	Resp:	61
Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.0	36.0#
91	0.0	13.5	40.4#



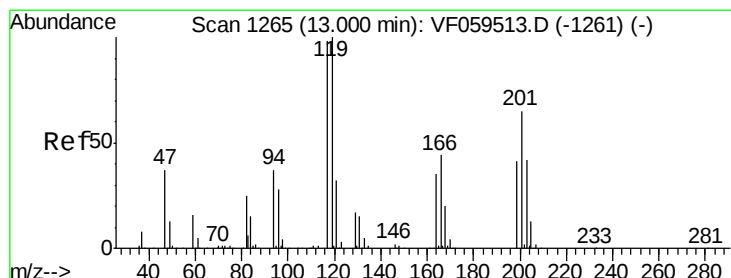
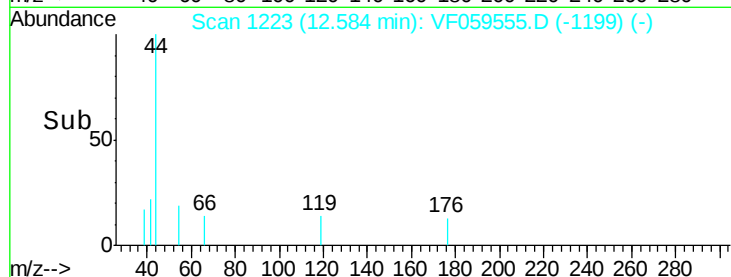
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.58

Time-->



#90

Hexachloroethane

Concen: 57.19 ug/l

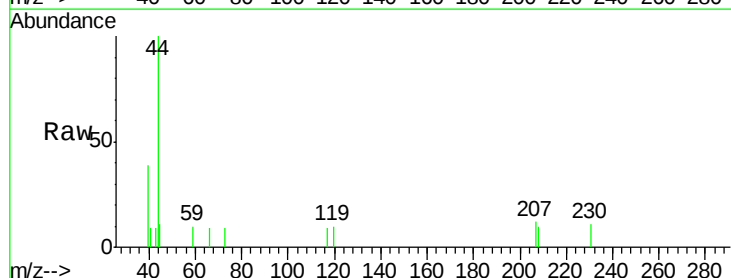
RT: 13.09 min Scan# 1274

Delta R.T. 0.09 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Tgt Ion:	117	Resp:	62
Ion	Ratio	Lower	Upper
117	100		
201	0.0	32.6	98.0#

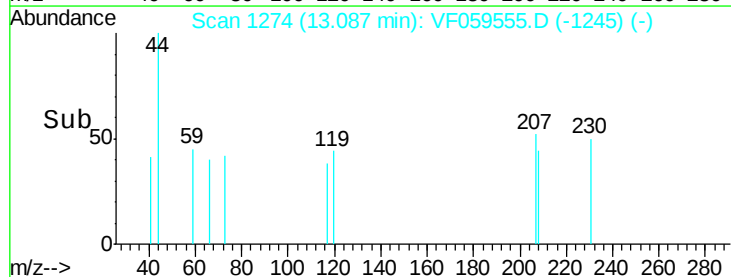


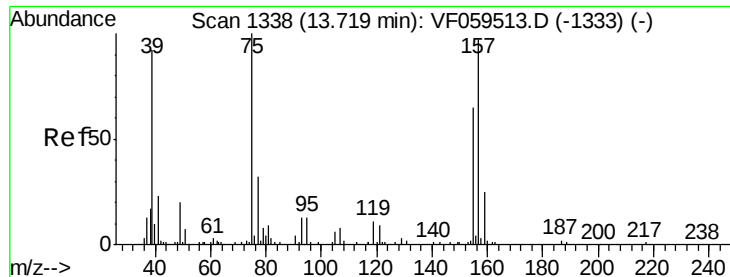
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

13.09

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 294.30 ug/l

RT: 13.80 min Scan# 1346

Delta R.T. 0.08 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

SB6-8

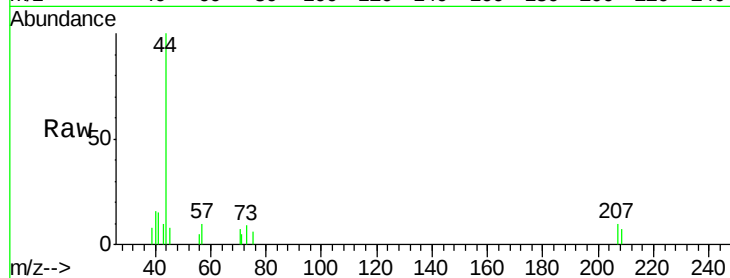
Tot Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

155 0.0 32.8 98.3#

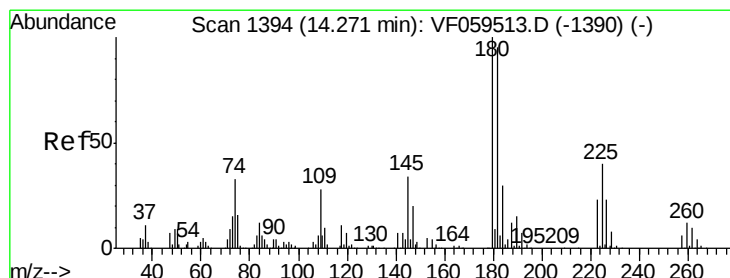
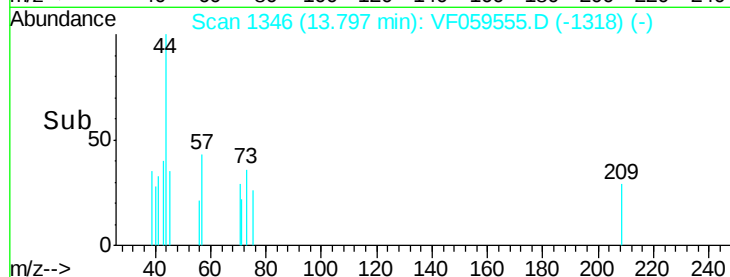
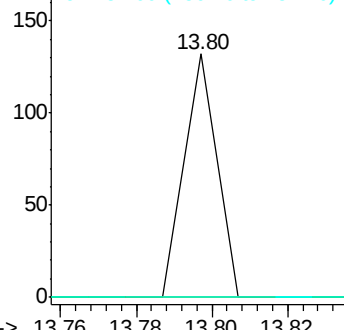
157 0.0 48.5 145.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#93

1,2,4-Trichlorobenzene

Concen: 42.70 ug/l

RT: 14.27 min Scan# 1394

Delta R.T. -0.00 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

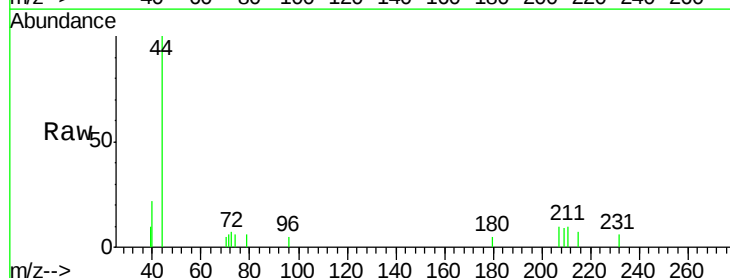
Tgt Ion: 180 Resp: 64

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.5#

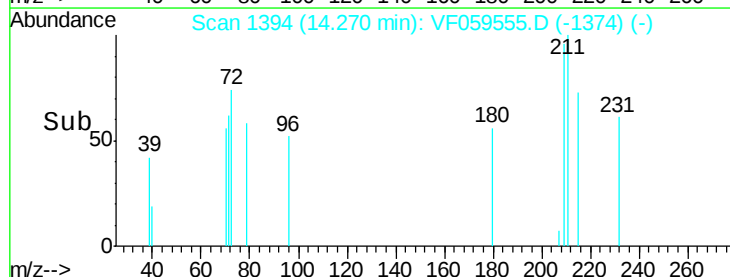
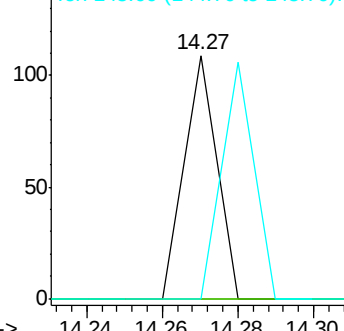
145 0.0 17.3 51.7#

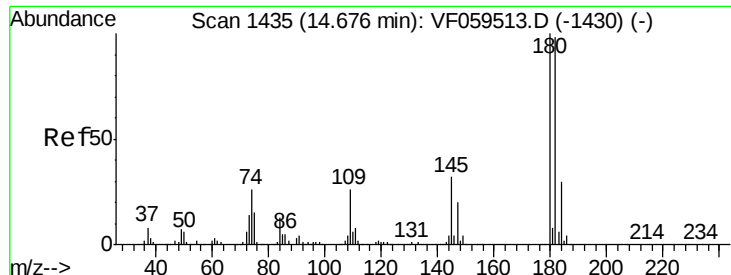


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#96

1,2,3-Trichlorobenzene

Concen: 56.12 ug/l

RT: 14.62 min Scan# 1430

Delta R.T. -0.05 min

Lab File: VF059555.D

Acq: 19 Jul 2018 12:37

Instrument :

MSVOA_F

ClientSampleId :

SB6-8

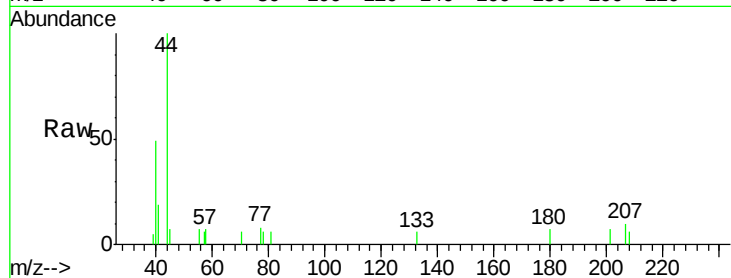
Tot Ion:180 Resp: 76

Ion Ratio Lower Upper

180 100

182 0.0 48.8 146.4#

145 0.0 16.2 48.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

