

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059236.D
 Acq On : 20 Jun 2018 20:04
 Operator : VA/AP
 Sample : J3575-10
 Misc : 10.87g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-12

Quant Time: Jun 21 06:38:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	746	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.67	152	69	50.00	ug/l	0.04

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	115	17.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.92%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.70	98	633	41.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.32%	
62) 4-Bromofluorobenzene	11.51	95	343	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	

Target Compounds						Qvalue
3) Chloromethane	1.09	50	212	45.80	ug/l #	41
4) Vinyl Chloride	1.08	62	63	15.09	ug/l #	43
5) Bromomethane	1.24	94	183	75.20	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.85	101	78	18.85	ug/l #	19
10) Methyl Iodide	2.06	142	70	9.67	ug/l #	25
11) Tert butyl alcohol	2.69	59	64	155.99	ug/l #	71
12) 1,1-Dichloroethene	1.79	96	60	17.25	ug/l #	1
13) Acrolein	1.93	56	73	205.56	ug/l #	12
14) Allyl chloride	2.15	41	245	35.88	ug/l #	1
15) Acrylonitrile	2.93	53	61	74.86	ug/l #	72
16) Acetone	2.34	43	259	169.40	ug/l #	59
17) Carbon Disulfide	1.88	76	88	9.01	ug/l #	73
18) Methyl Acetate	2.45	43	196	74.57	ug/l #	66
19) Methyl tert-butyl Ether	2.52	73	101	9.35	ug/l #	58
21) trans-1,2-Dichloroethene	2.38	96	75	19.66	ug/l #	1
22) Diisopropyl ether	2.89	45	151	11.25	ug/l #	38
23) Vinyl Acetate	3.34	43	70	7.91	ug/l #	78
25) 2-Butanone	4.49	43	70	29.53	ug/l #	56
26) 2,2-Dichloropropane	3.75	77	66	11.18	ug/l #	65
27) cis-1,2-Dichloroethene	3.57	96	75	12.77	ug/l	1
29) Tetrahydrofuran	4.33	42	69	66.06	ug/l #	36
31) Cyclohexane	3.75	56	69	9.71	ug/l #	15
32) 1,1,1-Trichloroethane	4.11	97	59	6.79	ug/l #	20
37) Ethyl Acetate	4.29	43	276	61.77	ug/l #	17
38) Carbon Tetrachloride	4.32	117	81	10.34	ug/l #	13
40) Benzene	4.89	78	63	3.75	ug/l #	50
41) Methacrylonitrile	4.87	41	143	65.15	ug/l #	48
43) Isopropyl Acetate	7.09	43	89	14.87	ug/l #	44
45) 1,2-Dichloropropane	6.34	63	66	13.64	ug/l #	44
48) Methyl methacrylate	6.89	41	151	40.94	ug/l #	44
49) 1,4-Dioxane	6.81	88	68	Below	Cal #	16
51) 4-Methyl-2-Pentanone	8.43	43	68	16.58	ug/l #	38
53) t-1,3-Dichloropropene	8.40	75	77	9.60	ug/l #	43
54) cis-1,3-Dichloropropene	7.43	75	66	7.16	ug/l #	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

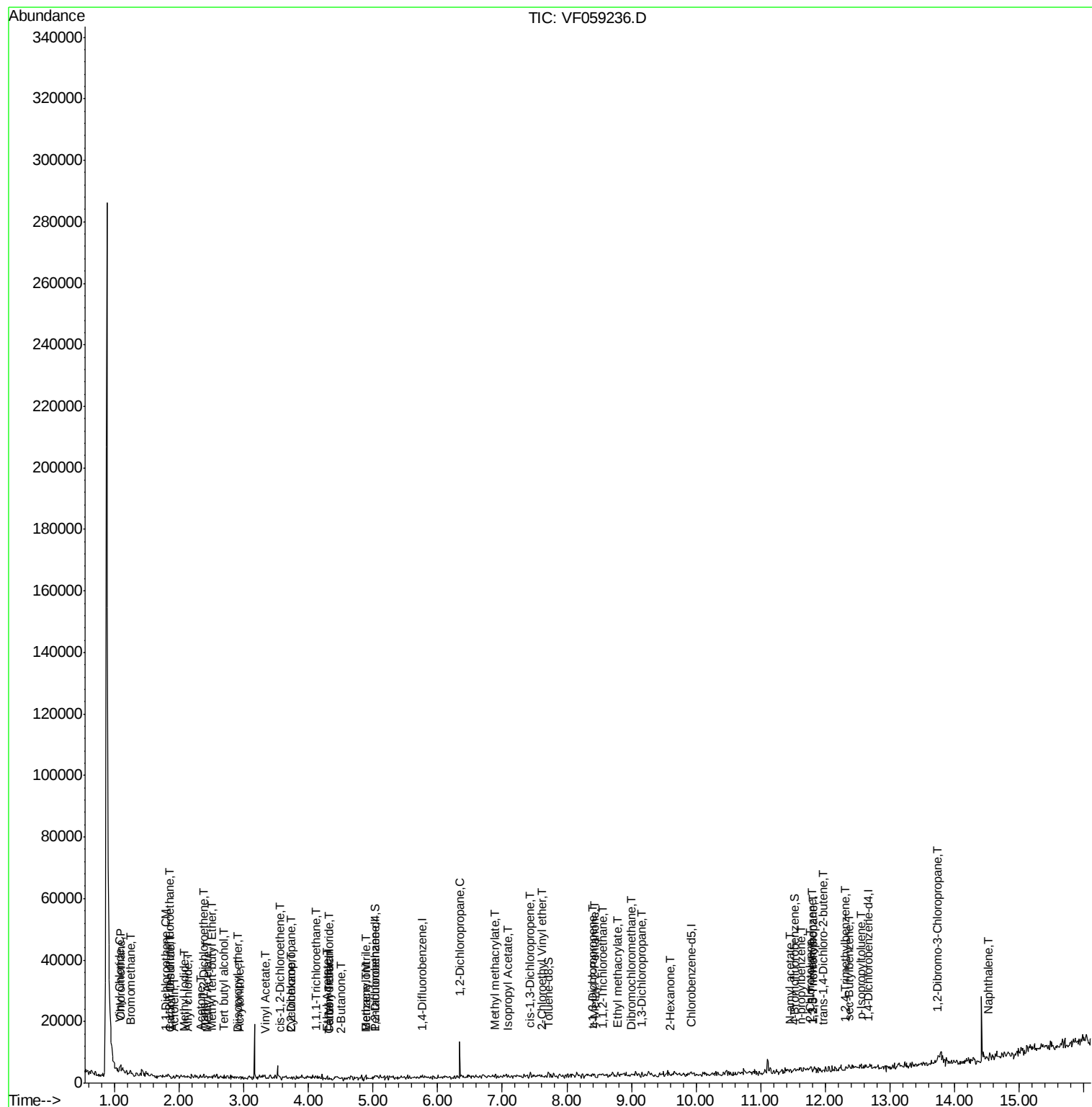
55) 1,1,2-Trichloroethane	8.56	97	65	14.84	ug/l #	8
56) Ethyl methacrylate	8.78	69	148	26.80	ug/l #	40
57) 1,3-Dichloropropane	9.16	76	79	10.54	ug/l #	11
58) 2-Chloroethyl Vinyl ether	7.61	63	60	151.96	ug/l	100
59) 2-Hexanone	9.60	43	231	71.21	ug/l #	26
60) Dibromochloromethane	9.01	129	60	9.53	ug/l #	12
74) N-amyl acetate	11.45	43	83	48.64	ug/l #	46
76) 1,2,3-Trichloropropane	11.81	75	98	117.16	ug/l #	29
78) n-propylbenzene	11.63	91	96	16.98	ug/l #	53
79) 2-Chlorotoluene	11.76	91	67	20.06	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.80	105	63	15.93	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.98	75	69	127.23	ug/l #	19
84) 1,2,4-Trimethylbenzene	12.32	105	66	16.11	ug/l #	28
85) sec-Butylbenzene	12.36	105	143	26.81	ug/l #	58
86) p-Isopropyltoluene	12.56	119	75	17.12	ug/l #	50
92) 1,2-Dibromo-3-Chloropropan	13.72	75	77	346.60	ug/l #	8
95) Naphthalene	14.52	128	65	20.35	ug/l #	70

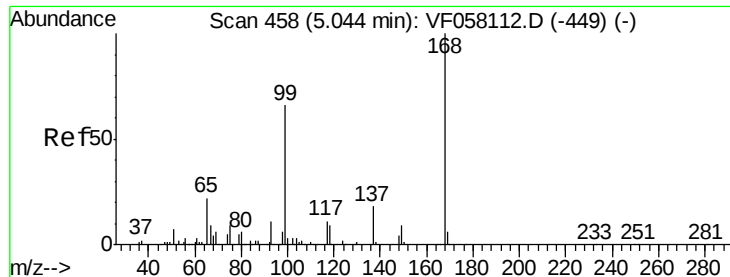
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

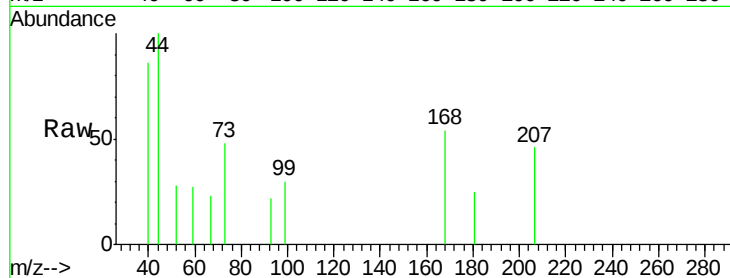
TP-12

Tot Ion:168 Resp: 528

Ion Ratio Lower Upper

168 100

99 54.7 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

250

200

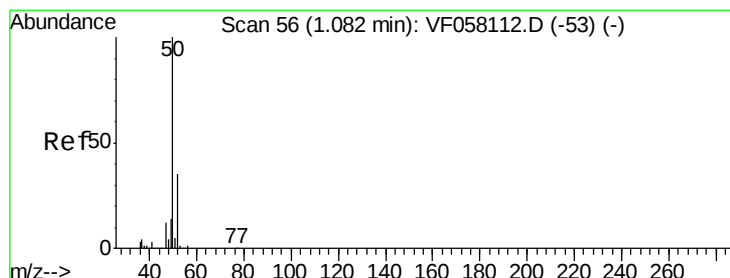
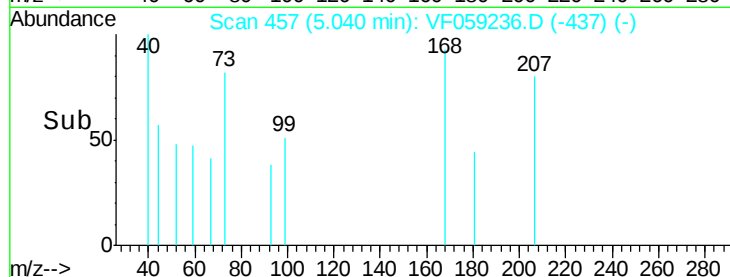
150

100

50

0

Time-->



#3

Chloromethane

Concen: 45.80 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059236.D

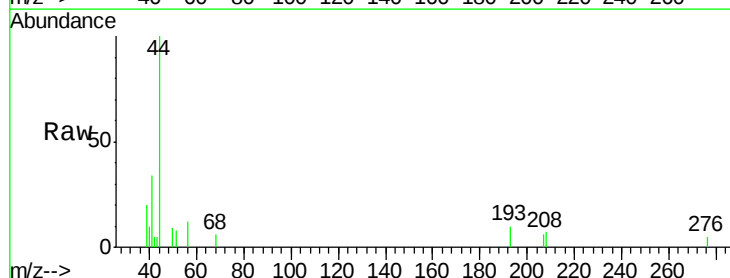
Acq: 20 Jun 2018 20:04

Tgt Ion: 50 Resp: 212

Ion Ratio Lower Upper

50 100

52 0.0 27.3 40.9#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.09

200

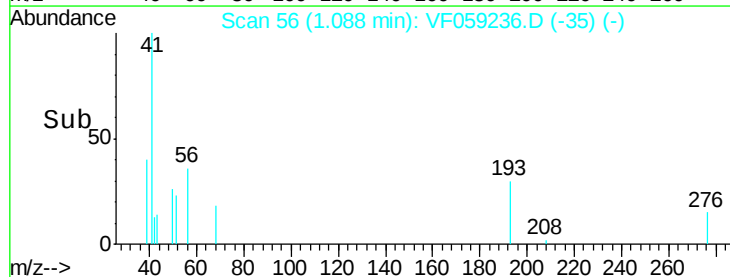
150

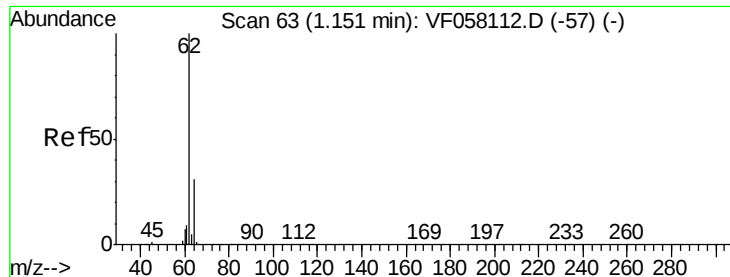
100

50

0

Time-->





#4

Vinyl Chloride

Concen: 15.09 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.07 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampled :

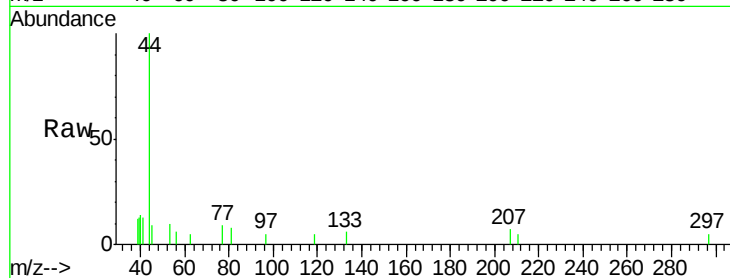
TP-12

Tot Ion: 62 Resp: 63

Ion Ratio Lower Upper

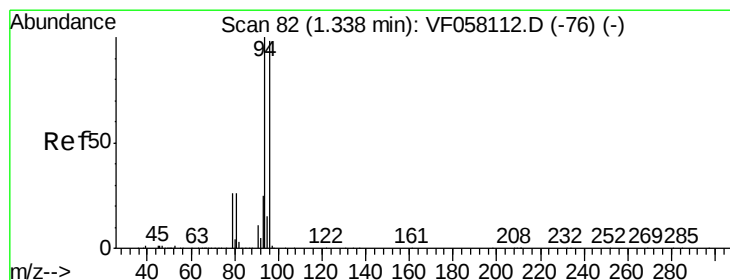
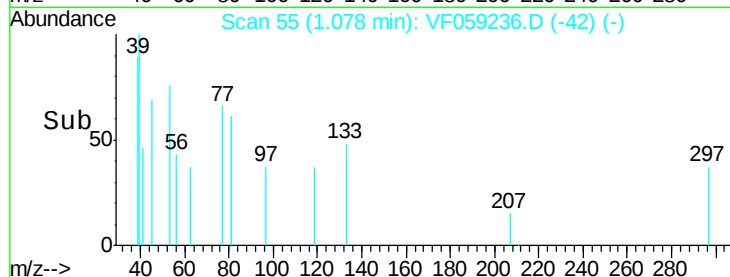
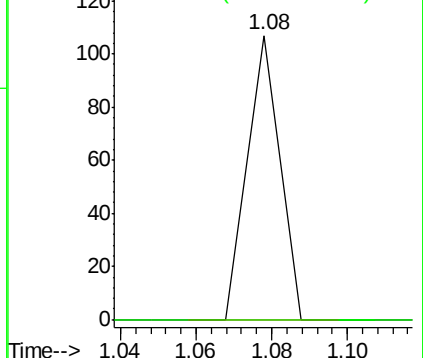
62 100

64 0.0 25.0 37.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



#5

Bromomethane

Concen: 75.20 ug/l

RT: 1.24 min Scan# 71

Delta R.T. -0.10 min

Lab File: VF059236.D

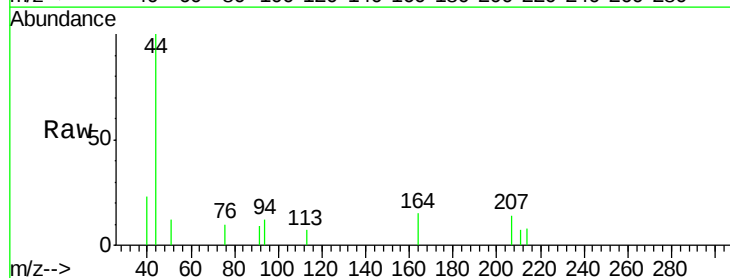
Acq: 20 Jun 2018 20:04

Tgt Ion: 94 Resp: 183

Ion Ratio Lower Upper

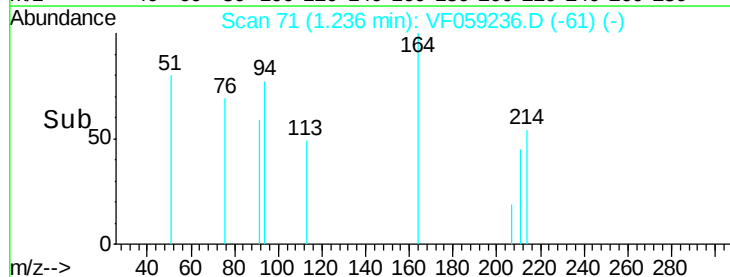
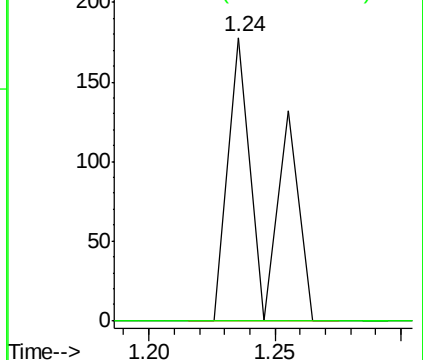
94 100

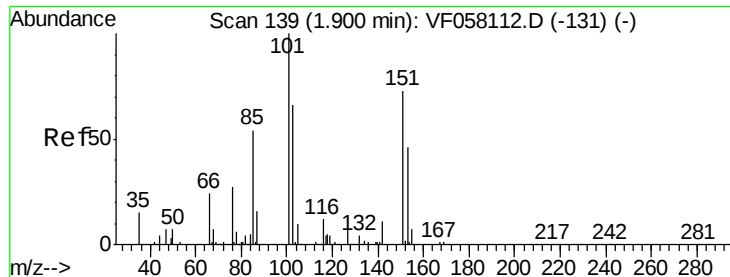
96 0.0 78.6 117.8#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.85 ug/l

RT: 1.85 min Scan# 133

Delta R.T. -0.05 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

TP-12

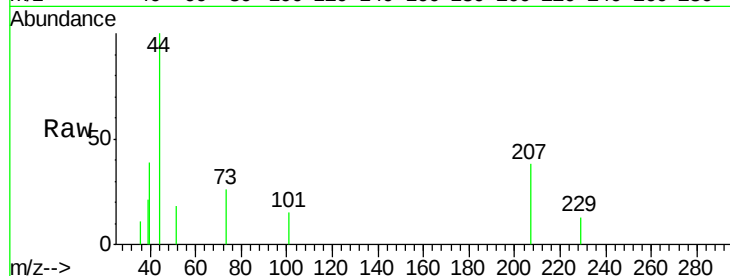
Tot Ion:101 Resp: 78

Ion Ratio Lower Upper

101 100

85 0.0 42.2 63.4#

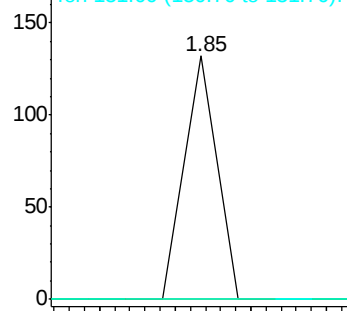
151 0.0 56.8 85.2#



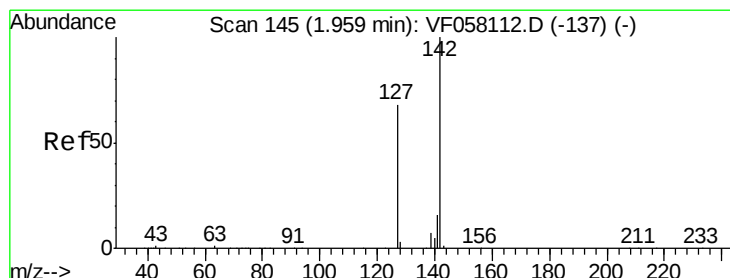
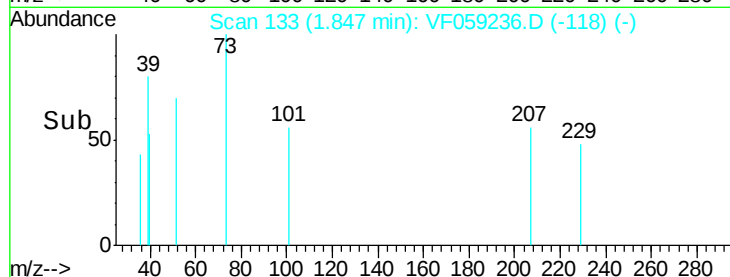
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



Time-->



#10

Methyl Iodide

Concen: 9.67 ug/l

RT: 2.06 min Scan# 155

Delta R.T. 0.10 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

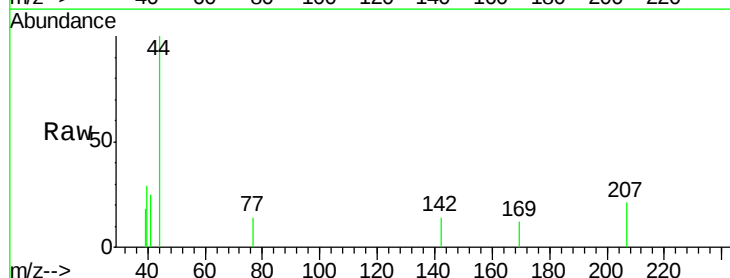
Tgt Ion:142 Resp: 70

Ion Ratio Lower Upper

142 100

127 0.0 54.1 81.1#

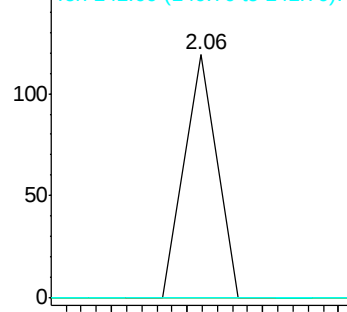
141 0.0 13.0 19.4#



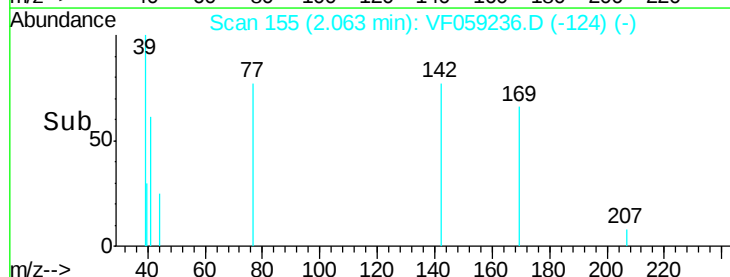
Abundance Ion 142.00 (141.70 to 142.70): V

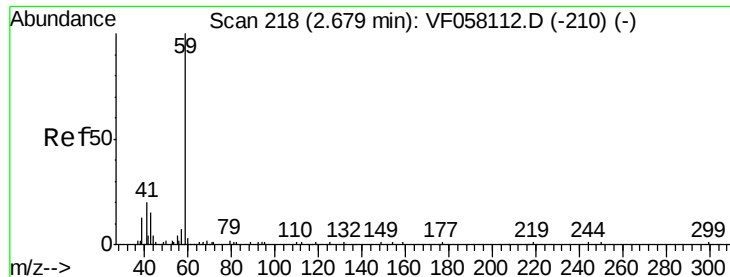
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



Time-->



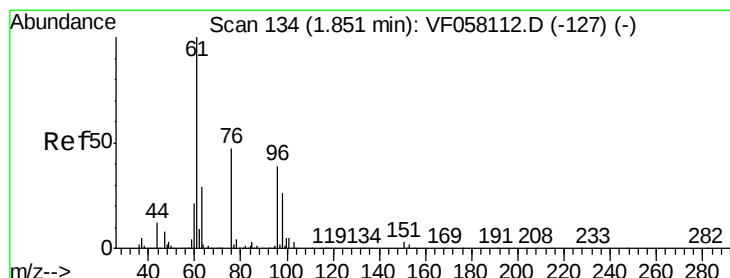
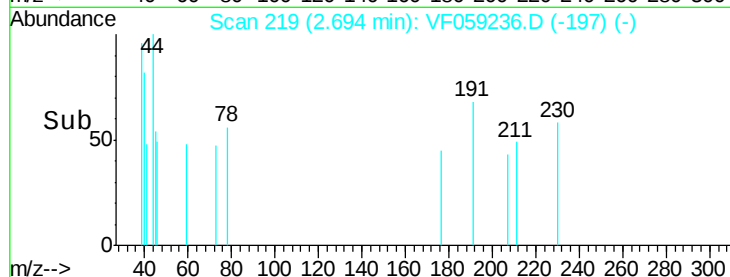
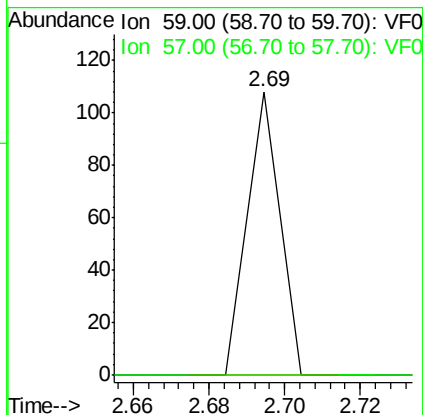
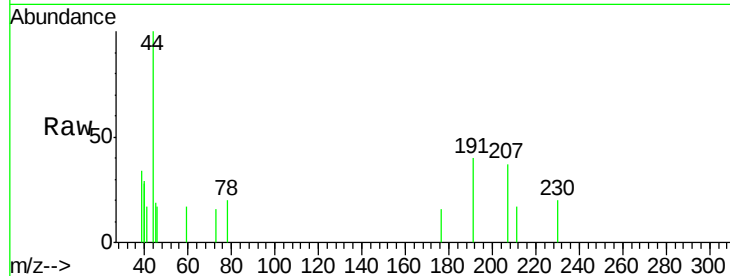


#11

Tert butyl alcohol
Concen: 155.99 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.02 min
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Acq: 20 Jun 2018 20:04

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TP-12

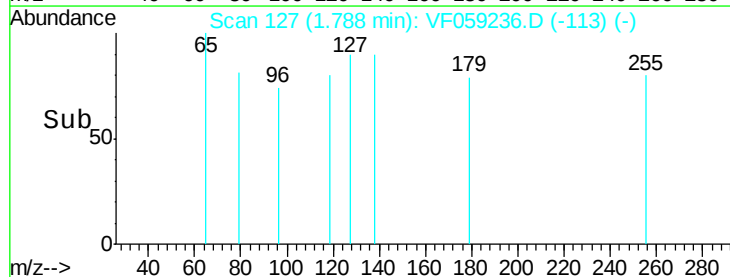
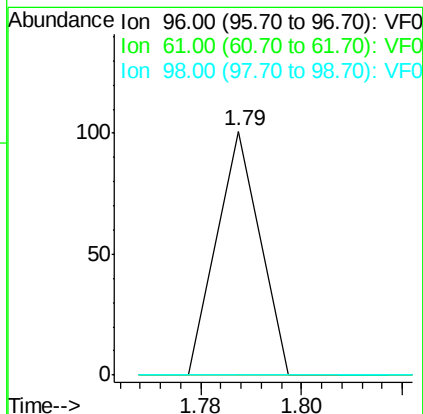
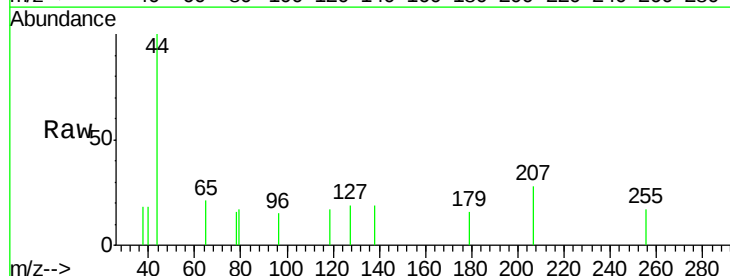
Tot Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

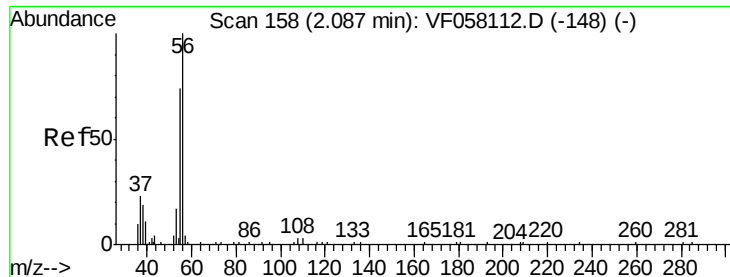


#12

1,1-Dichloroethene
Concen: 17.25 ug/l
RT: 1.79 min Scan# 127
Delta R.T. -0.06 min
Lab File: VF059236.D
Acq: 20 Jun 2018 20:04

Tgt Ion: 96 Resp: 60
Ion Ratio Lower Upper
96 100
61 0.0 203.0 304.4#
98 0.0 52.7 79.1#





#13

Acrolein

Concen: 205.56 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.16 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampled :

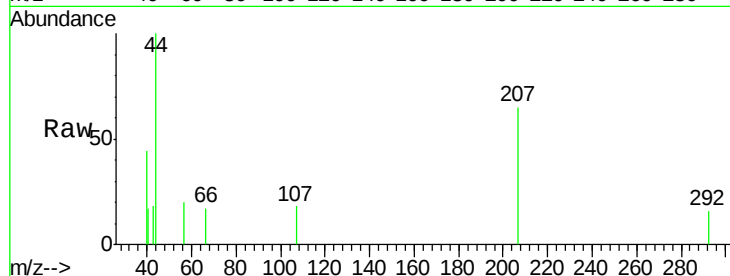
TP-12

Tot Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

55 0.0 60.0 90.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

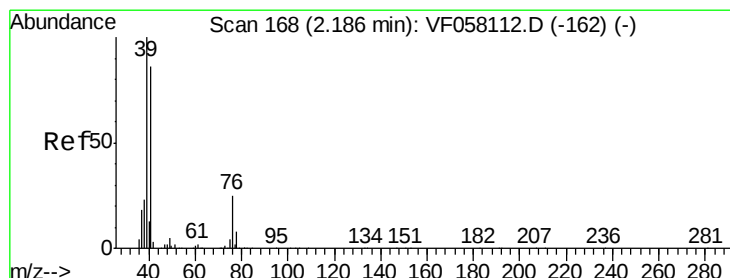
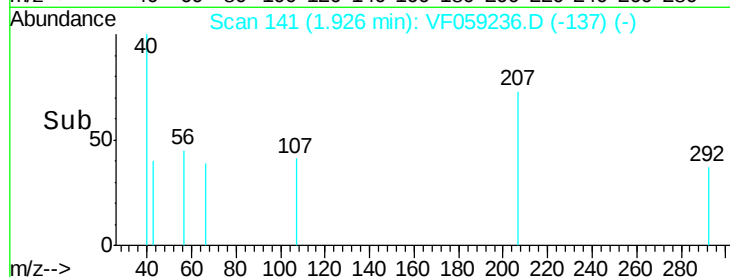
1.93

100

50

0

Time-->



#14

Allyl chloride

Concen: 35.88 ug/l

RT: 2.15 min Scan# 164

Delta R.T. -0.03 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

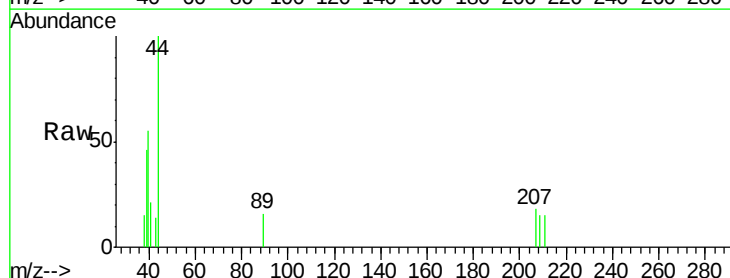
Tgt Ion: 41 Resp: 245

Ion Ratio Lower Upper

41 100

39 487.5 93.5 140.3#

76 0.0 23.9 35.9#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

400

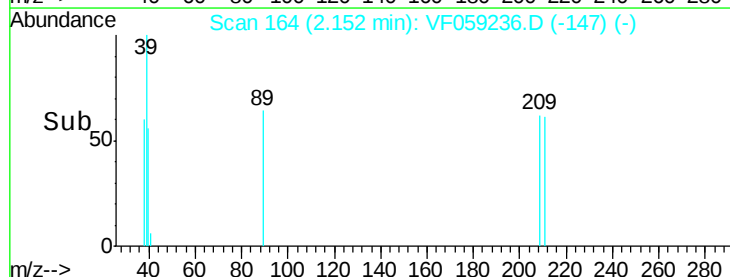
300

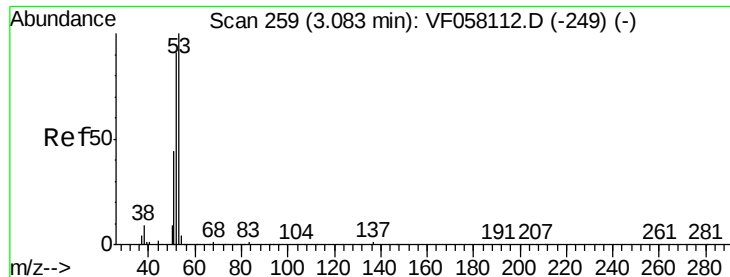
200

100

0

Time-->

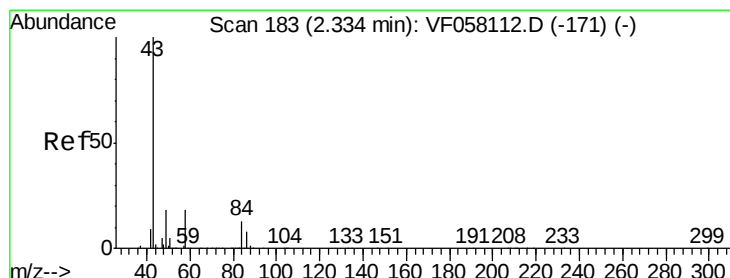
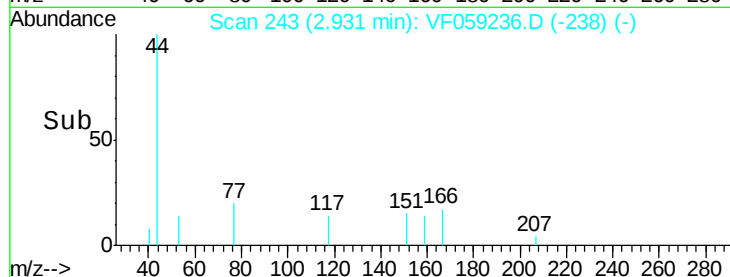
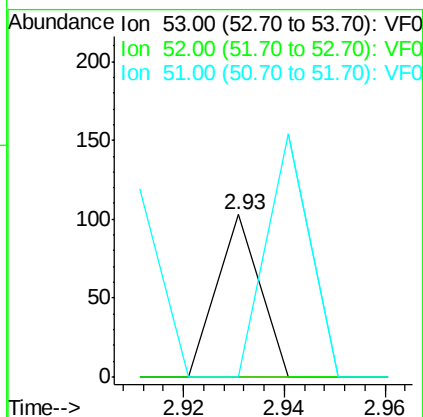
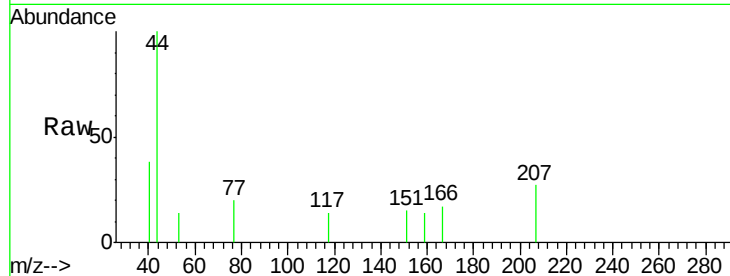




#15
 Acrylonitrile
 Concen: 74.86 ug/l
 RT: 2.93 min Scan# 243
 Delta R.T. -0.15 min
 Lab File: VF059236.D
 Acq: 20 Jun 2018 20:04

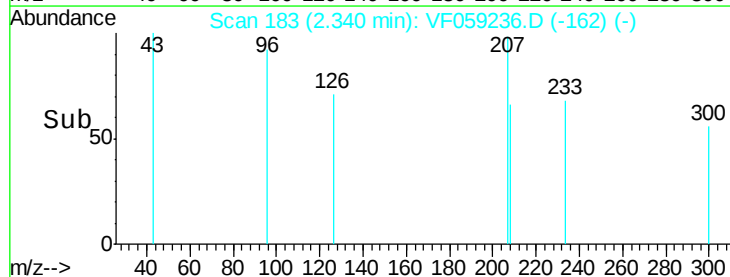
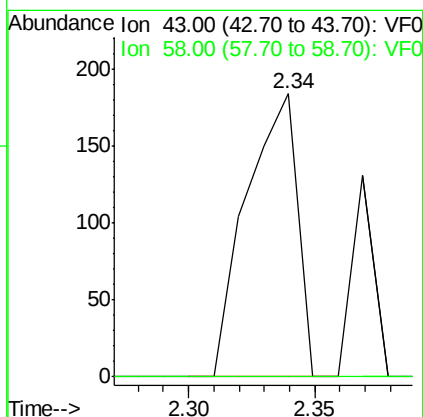
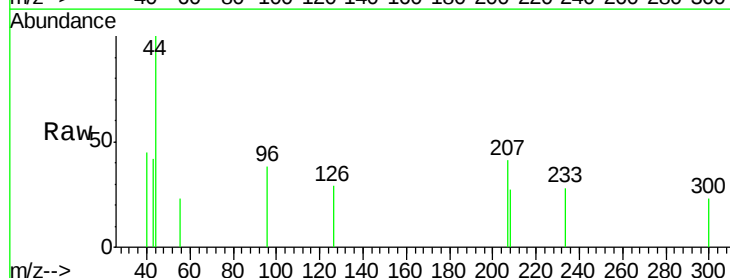
Instrument :
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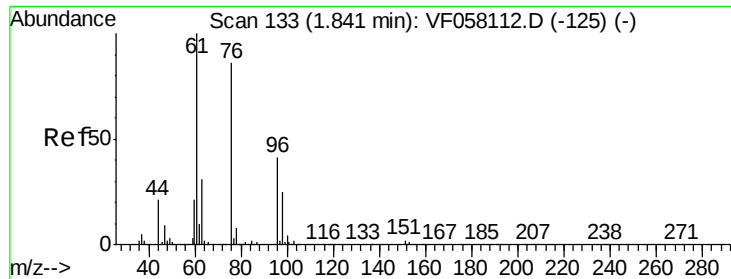
Tot Ion: 53 Resp: 61
 Ion Ratio Lower Upper
 53 100
 52 100.0 73.2 109.8
 51 0.0 35.6 53.4#



#16
 Acetone
 Concen: 169.40 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF059236.D
 Acq: 20 Jun 2018 20:04

Tgt Ion: 43 Resp: 259
 Ion Ratio Lower Upper
 43 100
 58 0.0 14.4 21.6#





#17

Carbon Disulfide

Concen: 9.01 ug/l

RT: 1.88 min Scan# 136

Delta R.T. 0.04 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

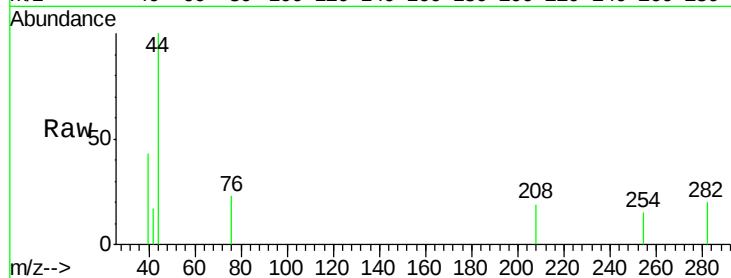
TP-12

Tot Ion: 76 Resp: 88

Ion Ratio Lower Upper

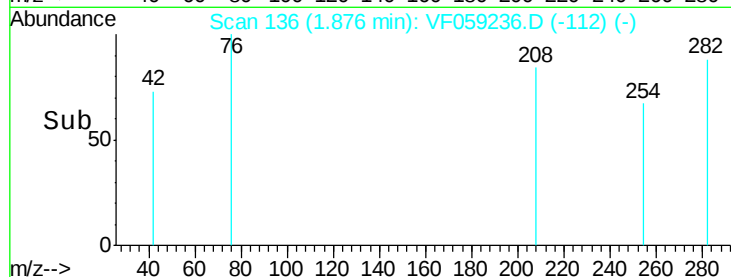
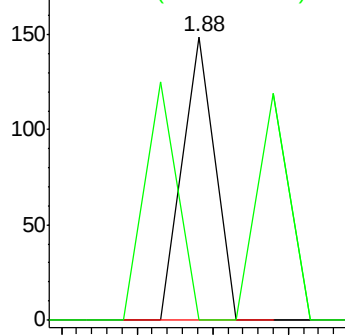
76 100

78 0.0 7.8 11.8#

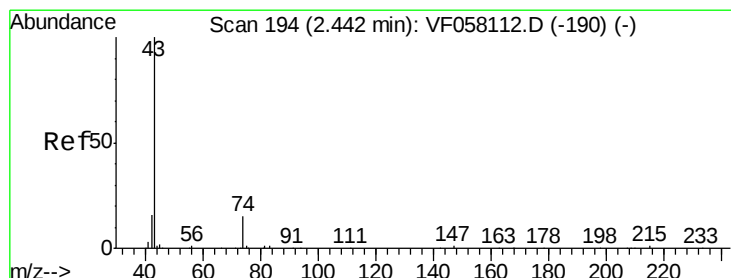


Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



Time-->



#18

Methyl Acetate

Concen: 74.57 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF059236.D

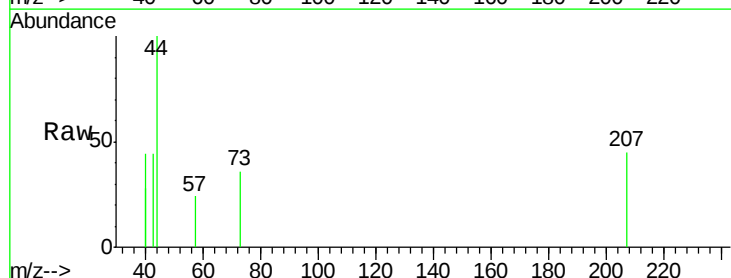
Acq: 20 Jun 2018 20:04

Tgt Ion: 43 Resp: 196

Ion Ratio Lower Upper

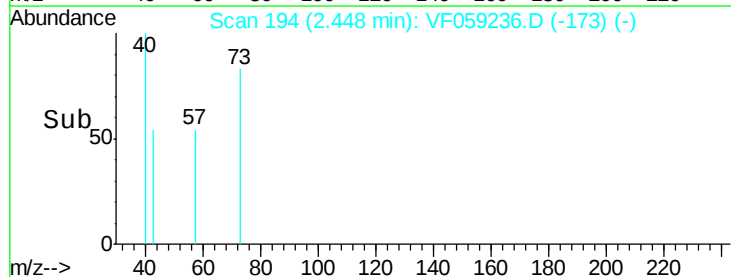
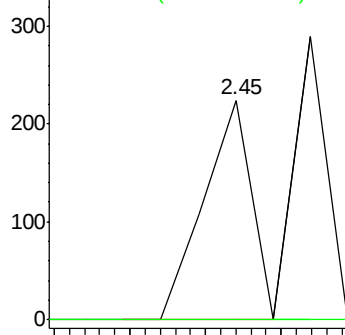
43 100

74 0.0 10.9 16.3#

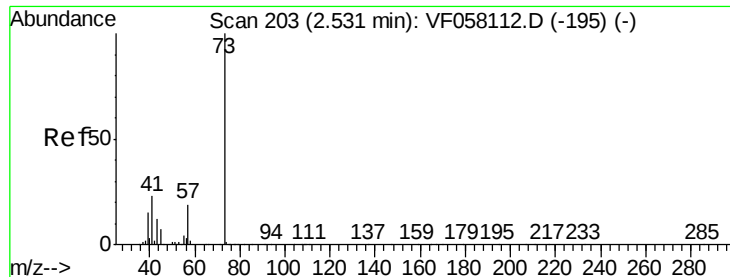


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



Time-->

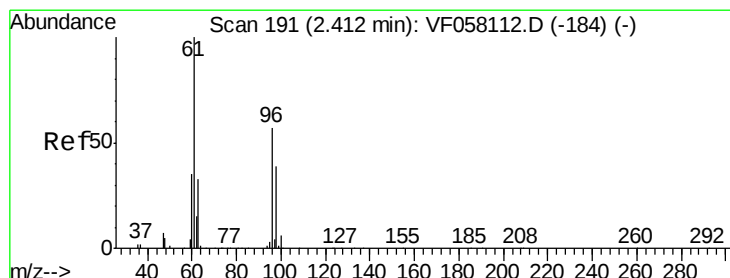
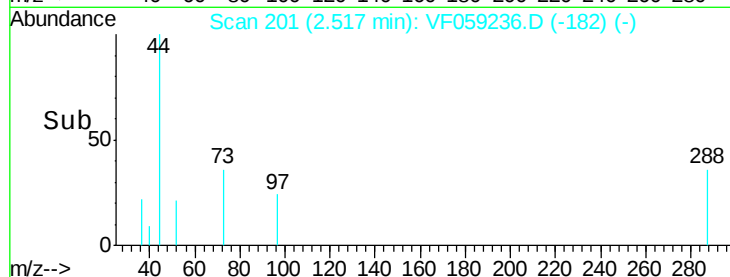
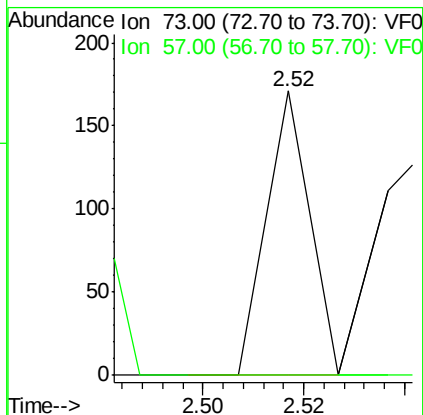
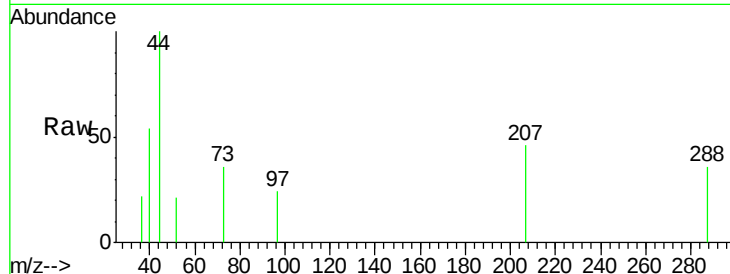


#19

Methyl tert-butyl Ether
Concen: 9.35 ug/l
RT: 2.52 min Scan# 201
Delta R.T. -0.01 min
Lab File: VF059236.D
Acq: 20 Jun 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
TP-12

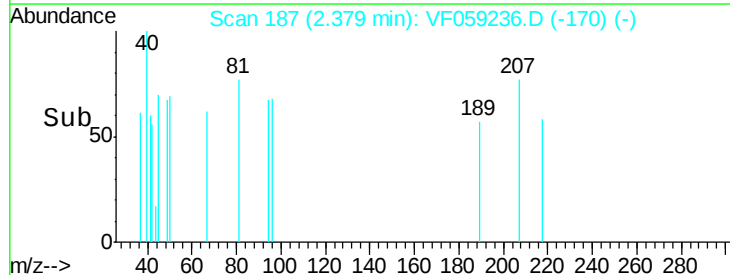
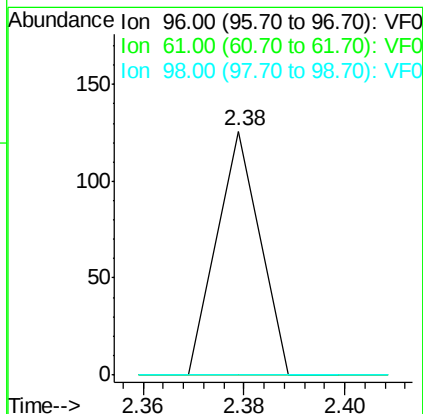
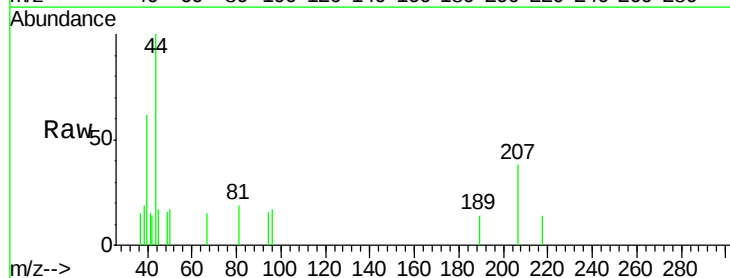
Tot Ion: 73 Resp: 101
Ion Ratio Lower Upper
73 100
57 0.0 15.0 22.4#

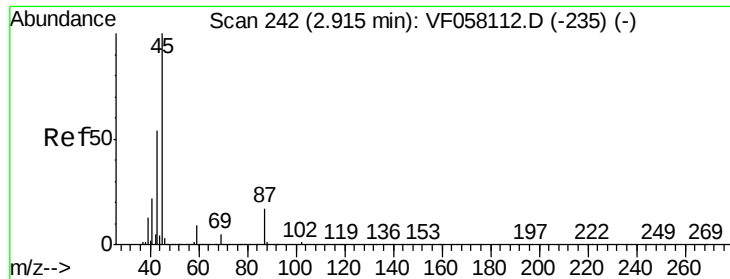


#21

trans-1,2-Dichloroethene
Concen: 19.66 ug/l
RT: 2.38 min Scan# 187
Delta R.T. -0.03 min
Lab File: VF059236.D
Acq: 20 Jun 2018 20:04

Tgt Ion: 96 Resp: 75
Ion Ratio Lower Upper
96 100
61 0.0 139.4 209.2#
98 0.0 54.0 81.0#





#22

Diisopropyl ether

Concen: 11.25 ug/l

RT: 2.89 min Scan# 239

Delta R.T. -0.02 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

TP-12

Tot Ion: 45 Resp: 151

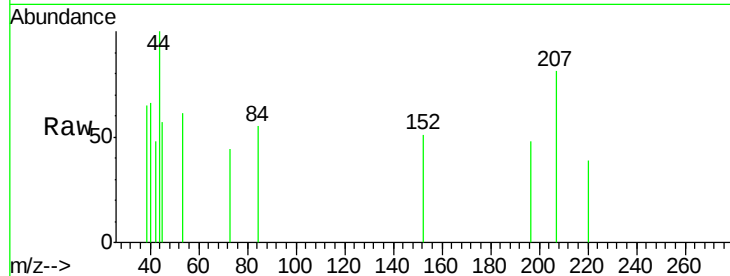
Ion Ratio Lower Upper

45 100

43 0.0 43.2 64.8#

87 0.0 13.8 20.6#

59 0.0 7.5 11.3#

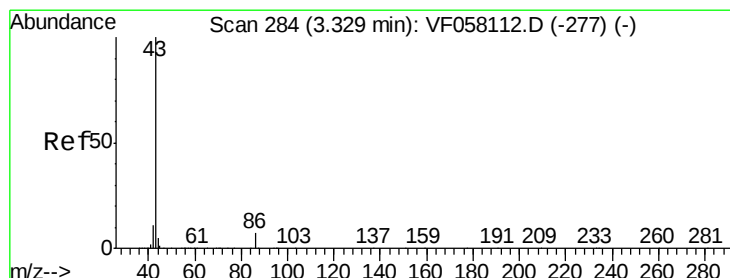
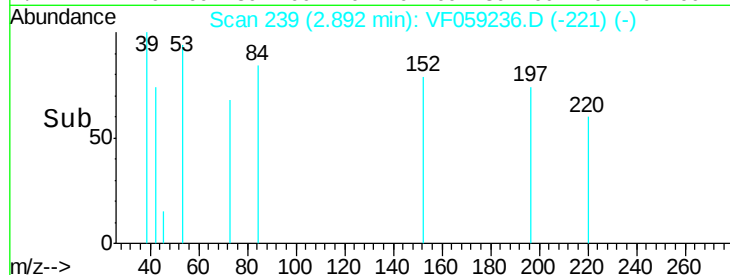
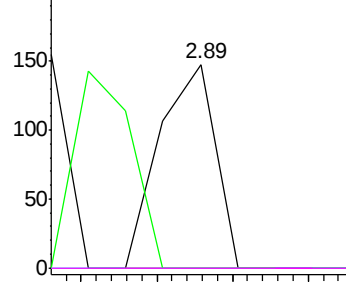


Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



#23

Vinyl Acetate

Concen: 7.91 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.02 min

Lab File: VF059236.D

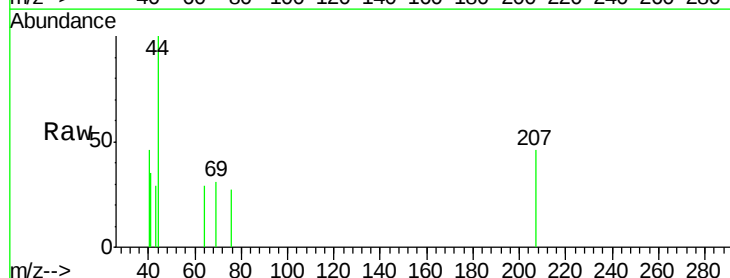
Acq: 20 Jun 2018 20:04

Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

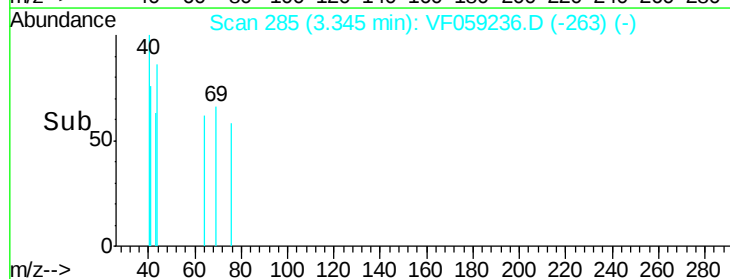
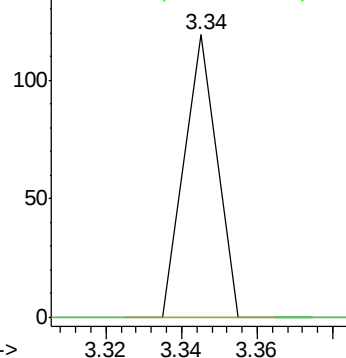
43 100

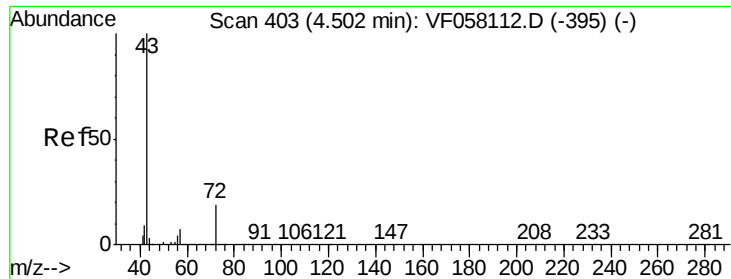
86 0.0 6.0 9.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 29.53 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

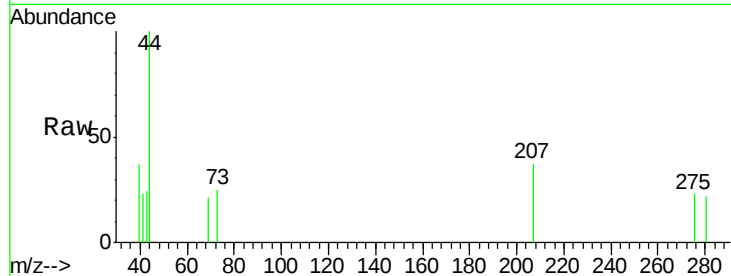
TP-12

Tot Ion: 43 Resp: 70

Ion Ratio Lower Upper

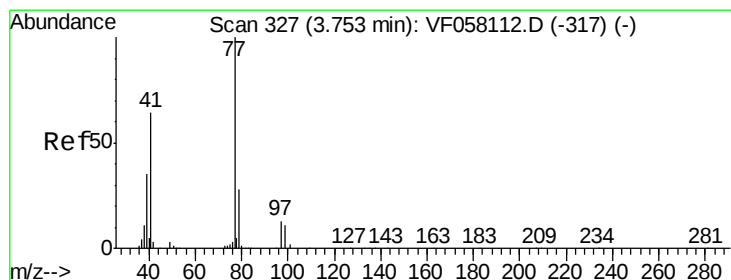
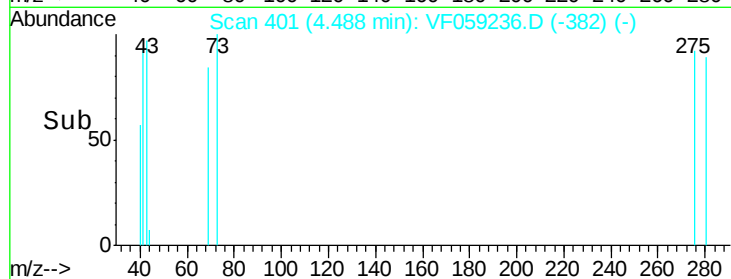
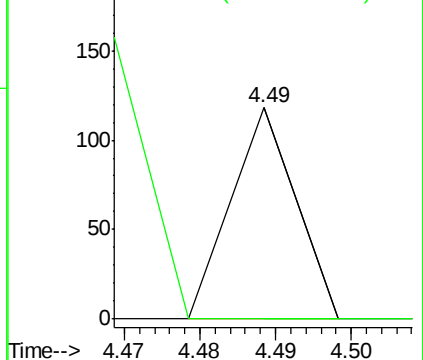
43 100

72 0.0 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 11.18 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059236.D

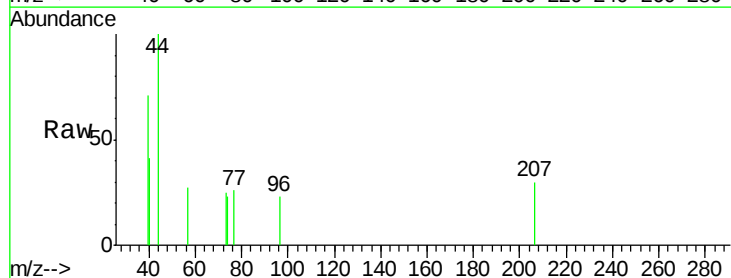
Acq: 20 Jun 2018 20:04

Tgt Ion: 77 Resp: 66

Ion Ratio Lower Upper

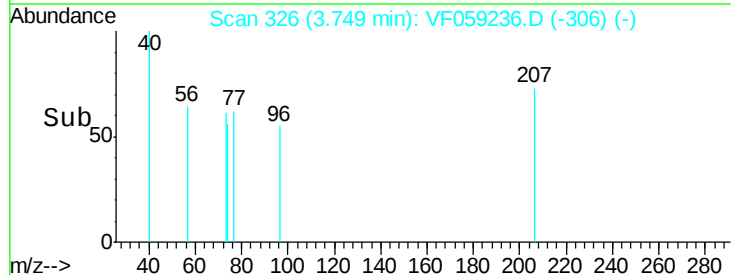
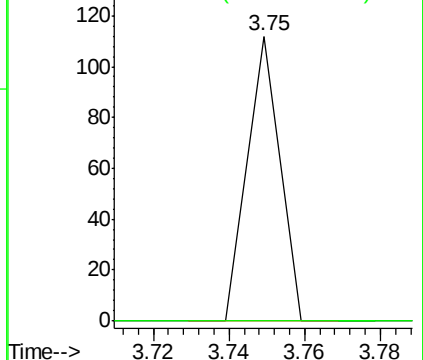
77 100

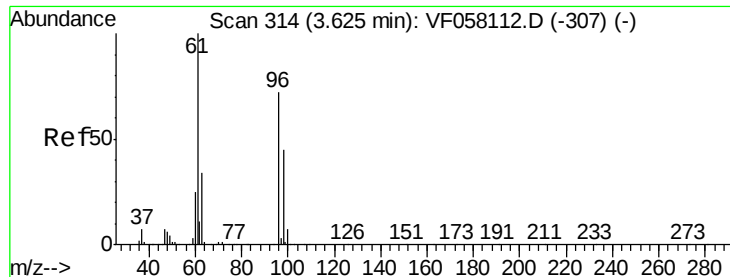
97 0.0 7.2 21.6#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



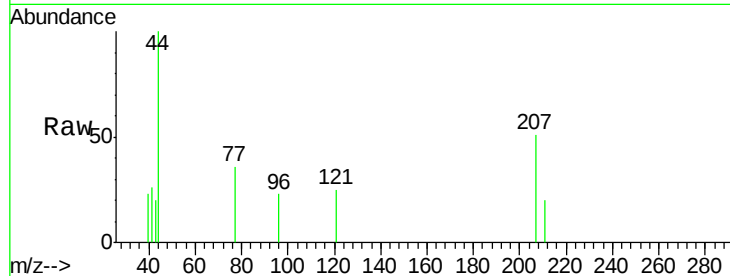


#27

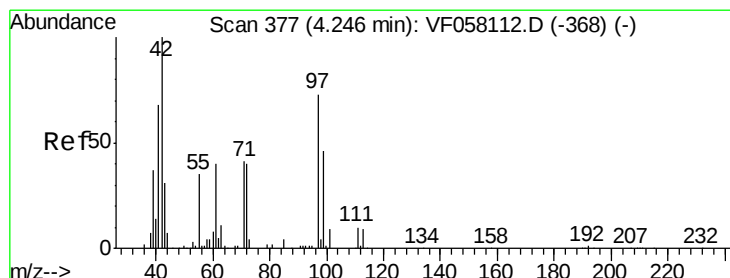
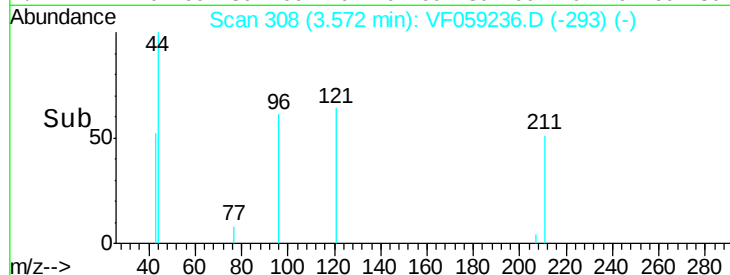
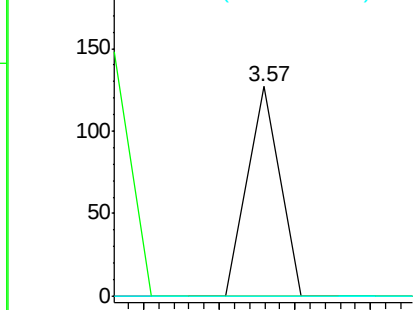
cis-1,2-Dichloroethene
Concen: 12.77 ug/l
RT: 3.57 min Scan# 308
Delta R.T. -0.05 min
Lab File: VF059236.D
Acq: 20 Jun 2018 20:04

Instrument :
MSVOA_F
ClientSampleId :
TP-12

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	278.6
98	0.0	0.0	125.2



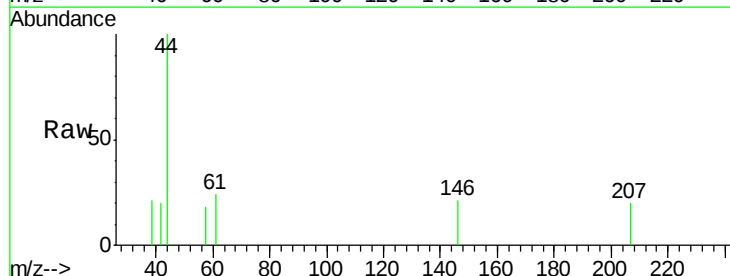
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



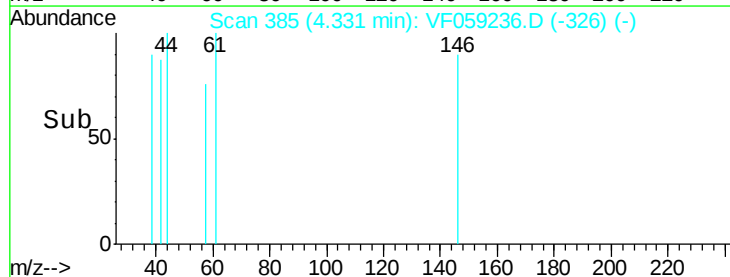
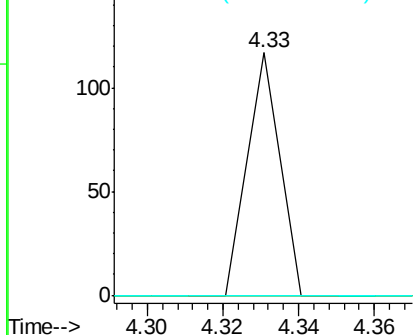
#29

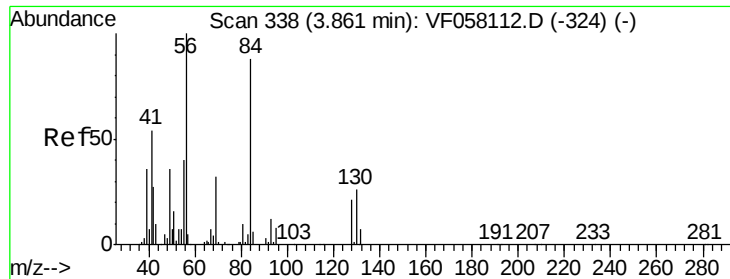
Tetrahydrofuran
Concen: 66.06 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.08 min
Lab File: VF059236.D
Acq: 20 Jun 2018 20:04

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.5	45.7#
71	0.0	31.5	47.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0





#31

Cvclohexane

Concen: 9.71 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.11 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampled :

TP-12

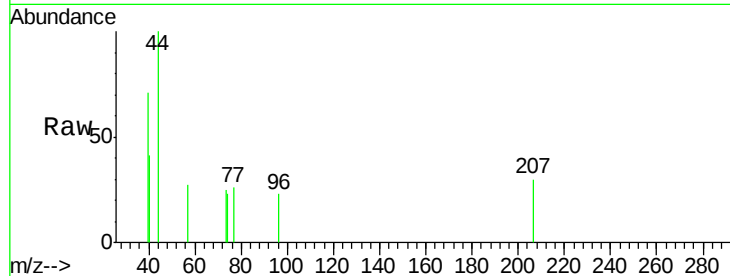
Tot Ion: 56 Resp: 69

Ion Ratio Lower Upper

56 100

69 0.0 25.9 38.9#

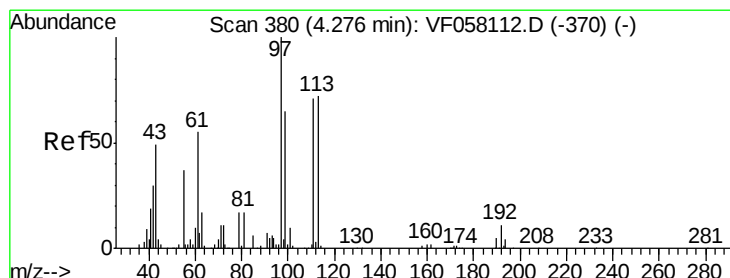
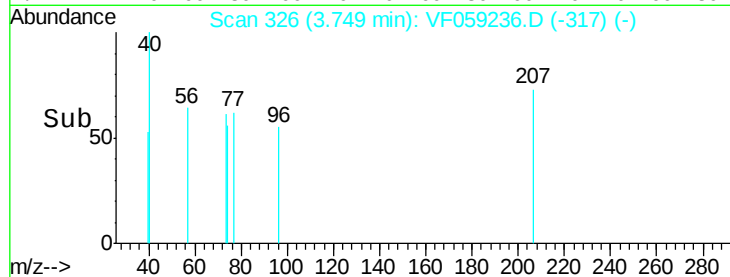
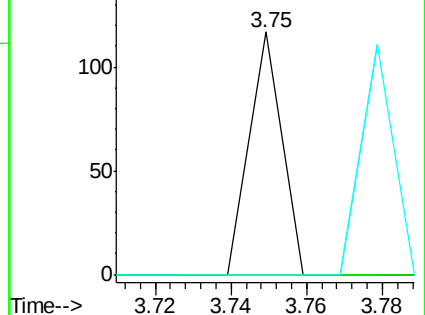
84 0.0 70.3 105.5#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 6.79 ug/l

RT: 4.11 min Scan# 363

Delta R.T. -0.16 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

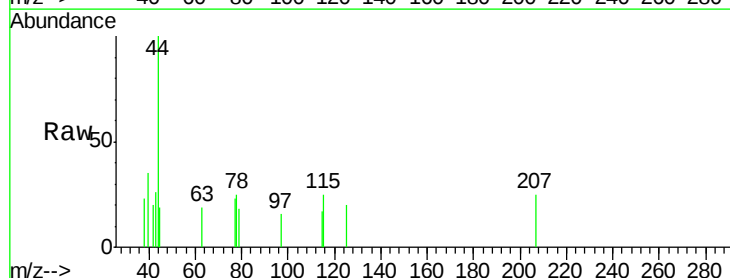
Tgt Ion: 97 Resp: 59

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

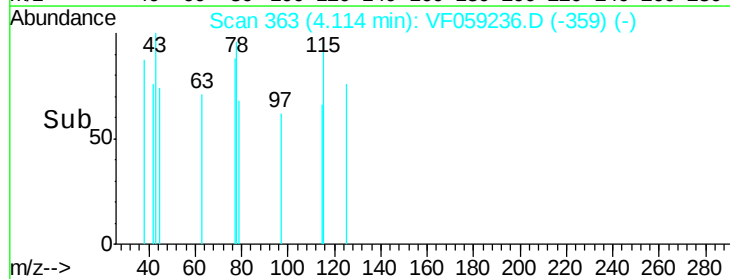
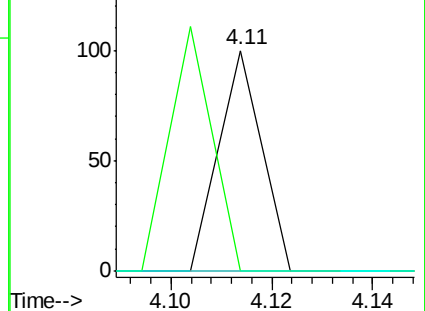
61 0.0 44.3 66.5#

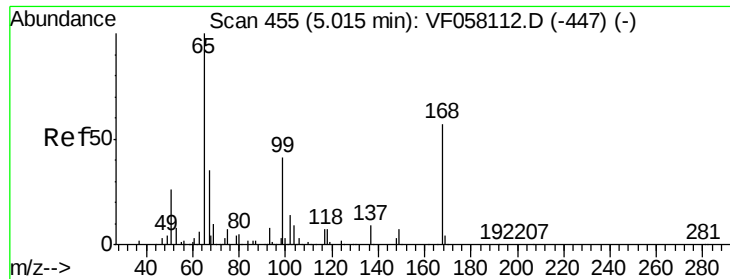


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 17.96 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampled :

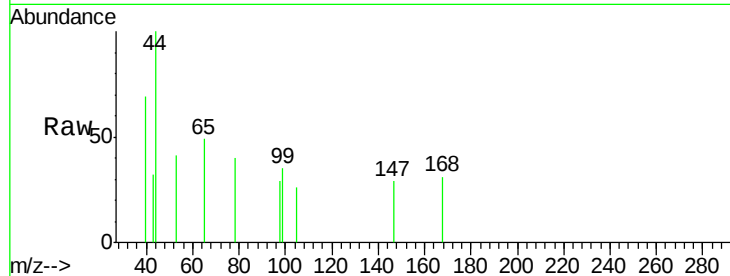
TP-12

Tot Ion: 65 Resp: 115

Ion Ratio Lower Upper

65 100

67 0.0 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.02

200

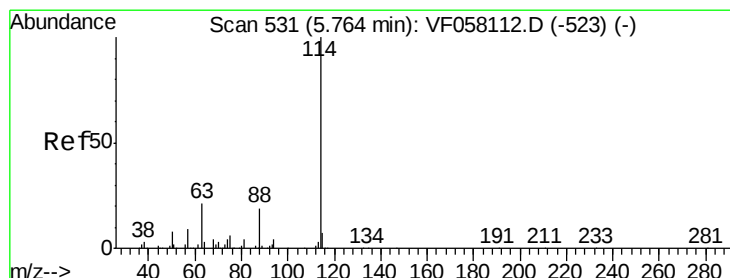
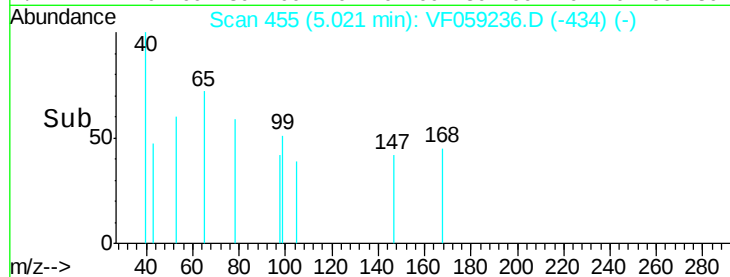
150

100

50

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

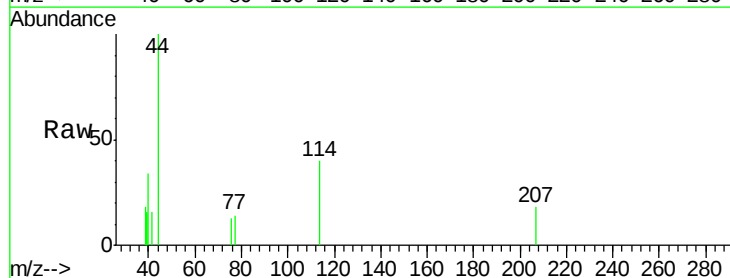
Tgt Ion: 114 Resp: 746

Ion Ratio Lower Upper

114 100

63 0.0 0.0 41.6

88 0.0 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

400

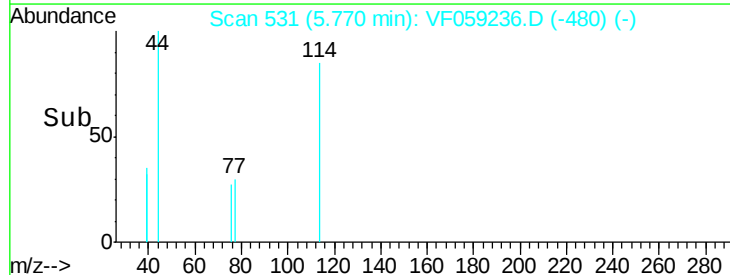
300

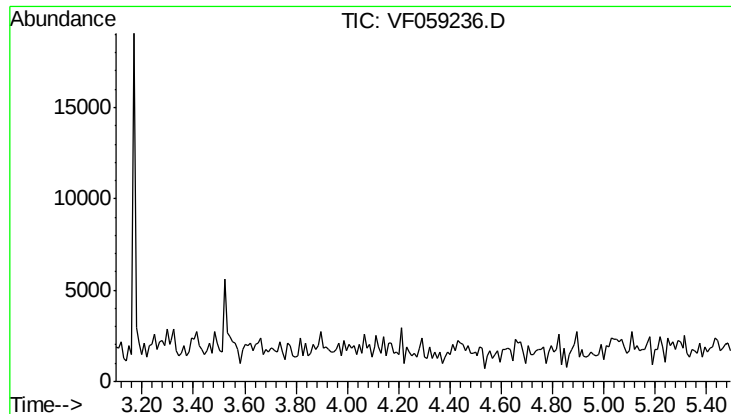
200

100

0

Time-->

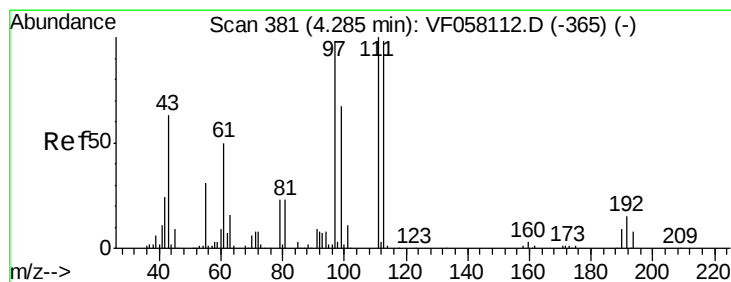
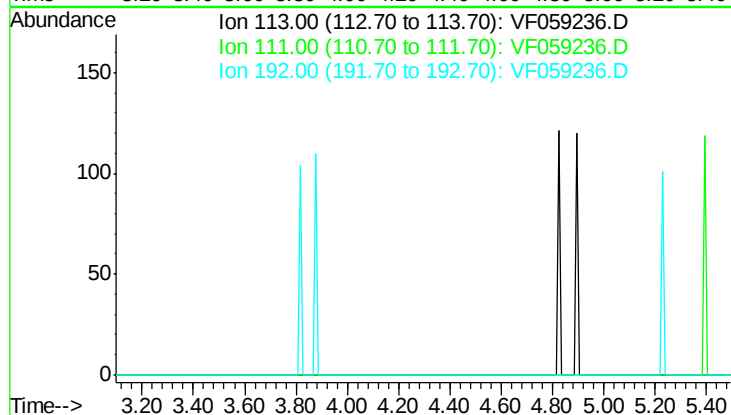




#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 4.30 min
 Lab File: VF059236.D
 Acq: 20 Jun 2018 20:04

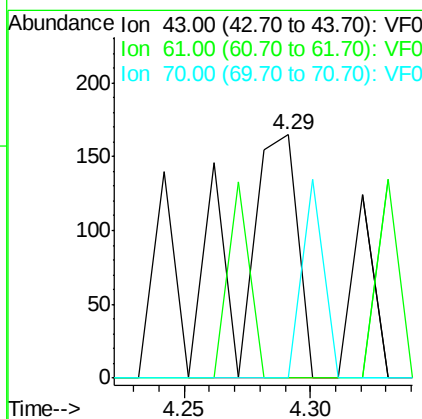
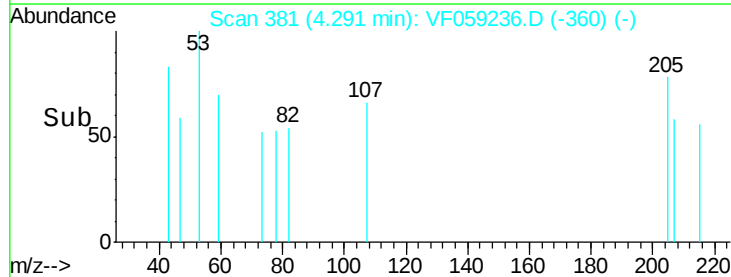
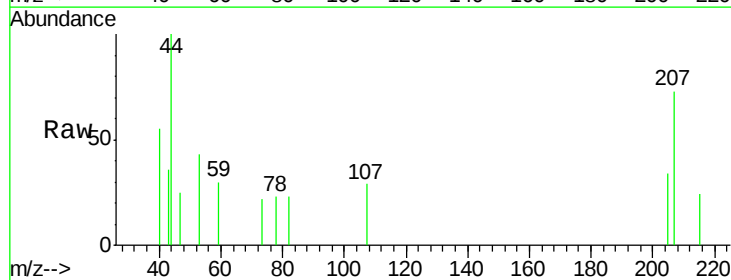
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-12

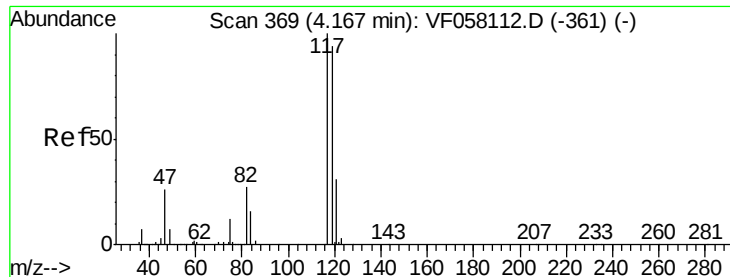
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 101.6
 192 15.9



#37
 Ethyl Acetate
 Concen: 61.77 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VF059236.D
 Acq: 20 Jun 2018 20:04

Tgt Ion: 43 Resp: 276
 Ion Ratio Lower Upper
 43 100
 61 0.0 63.0 94.4#
 70 0.0 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 10.34 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.15 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

TP-12

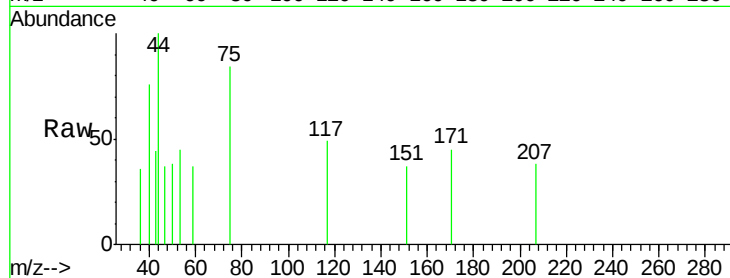
Tot Ion:117 Resp: 81

Ion Ratio Lower Upper

117 100

119 0.0 75.7 113.5#

121 0.0 24.8 37.2#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

150

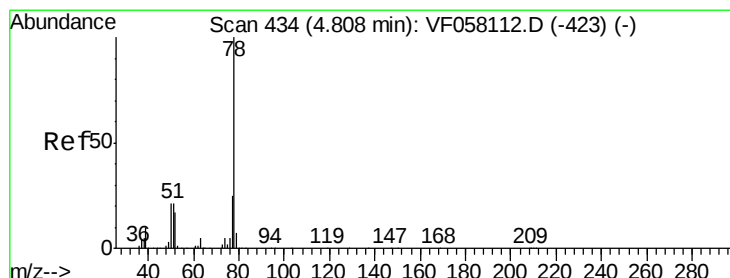
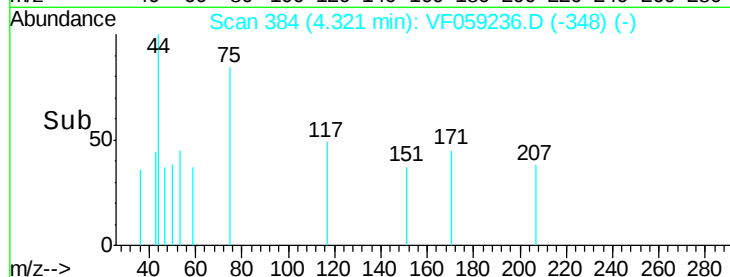
100

50

0

4.30 4.32 4.34

Time-->



#40

Benzene

Concen: 3.75 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.08 min

Lab File: VF059236.D

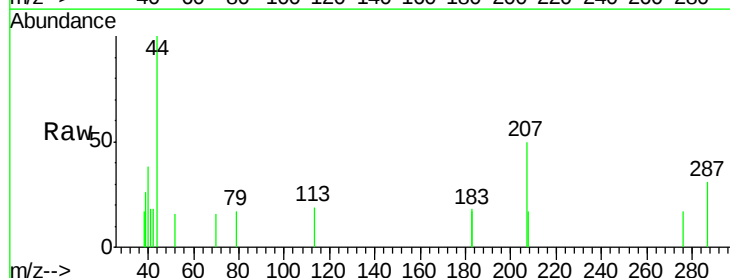
Acq: 20 Jun 2018 20:04

Tgt Ion: 78 Resp: 63

Ion Ratio Lower Upper

78 100

77 0.0 20.2 30.2#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

120

100

80

60

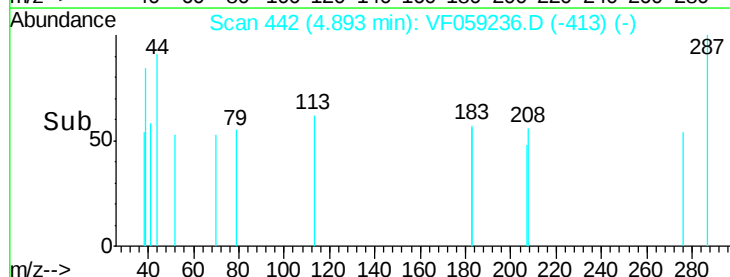
40

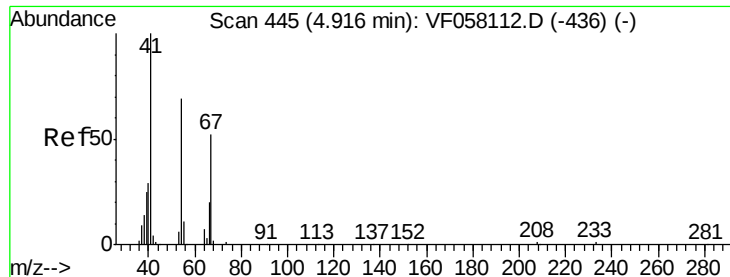
20

0

4.86 4.88 4.90 4.92

Time-->





#41

Methacrylonitrile

Concen: 65.15 ug/l

RT: 4.87 min Scan# 440

Delta R.T. -0.04 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

TP-12

Tot Ion: 41 Resp: 143

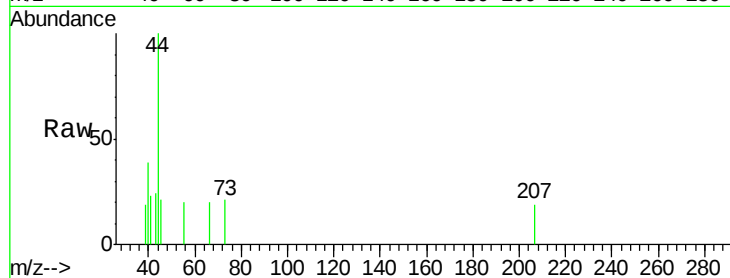
Ion Ratio Lower Upper

41 100

39 83.8 53.0 79.4#

67 0.0 41.0 61.6#

52 0.0 36.8 55.2#

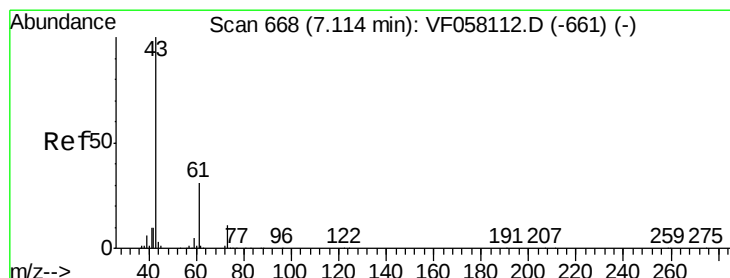
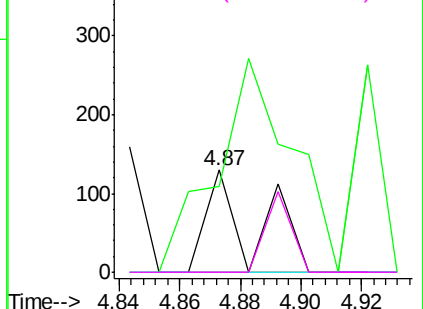
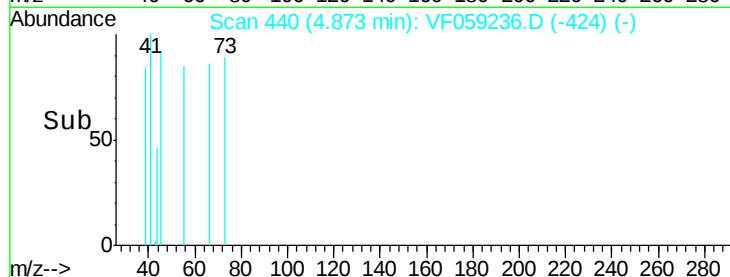


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 14.87 ug/l

RT: 7.09 min Scan# 665

Delta R.T. -0.02 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

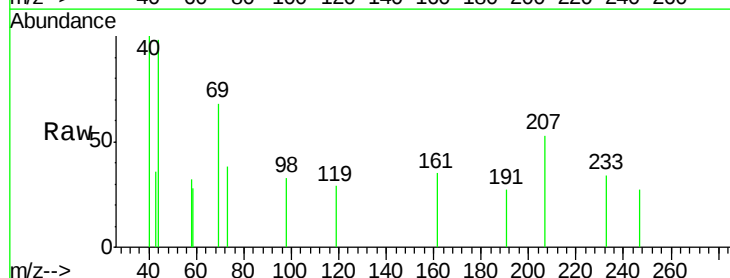
Tgt Ion: 43 Resp: 89

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

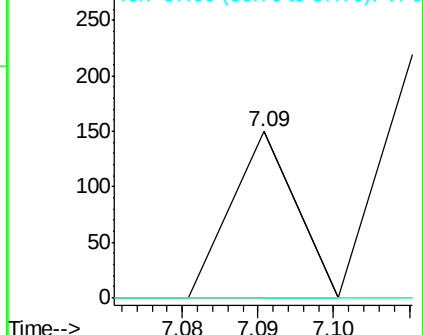
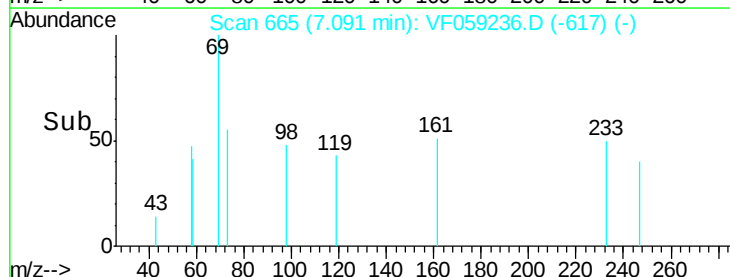
87 0.0 0.2 0.4#

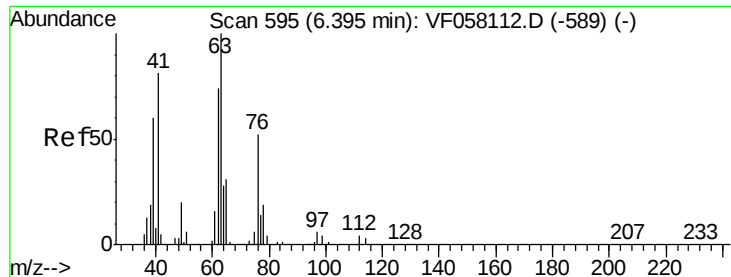


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#45

1,2-Dichloropropane

Concen: 13.64 ug/l

RT: 6.34 min Scan# 589

Delta R.T. -0.05 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampled :

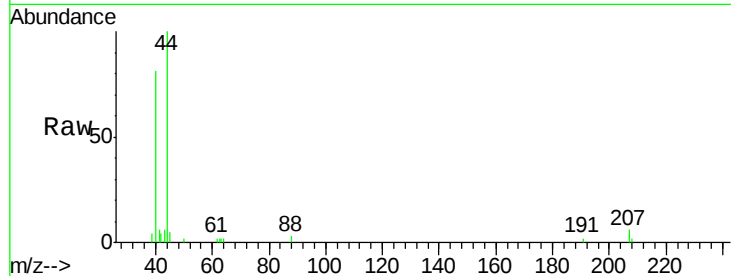
TP-12

Tot Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.34

120

100

80

60

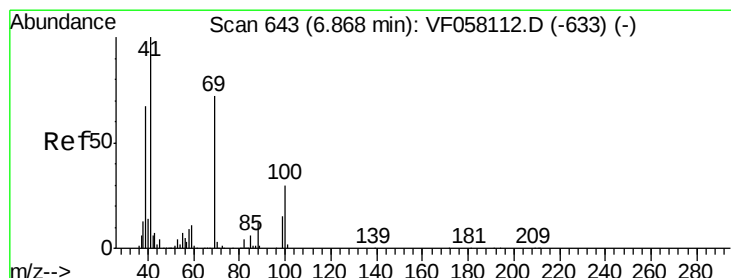
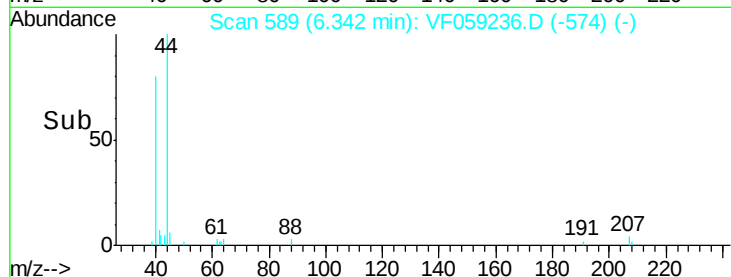
40

20

0

6.32 6.34 6.36

Time-->



#48

Methyl methacrylate

Concen: 40.94 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

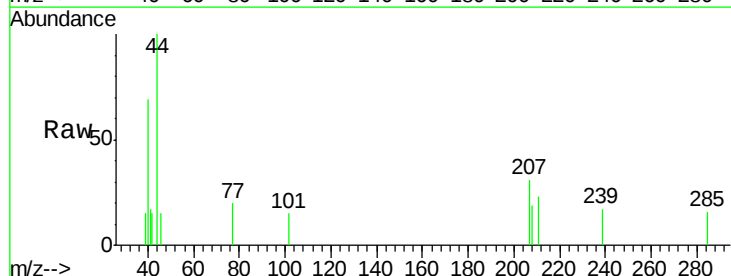
Tgt Ion: 41 Resp: 151

Ion Ratio Lower Upper

41 100

69 0.0 57.2 85.8#

39 48.4 54.3 81.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

300

250

200

150

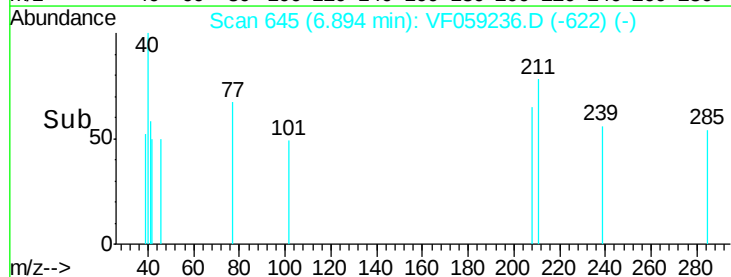
100

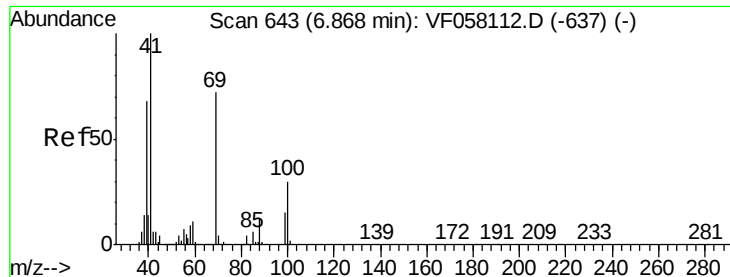
50

0

6.85 6.89 6.95

Time-->





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.81 min Scan# 637

Delta R.T. -0.05 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampled :

TP-12

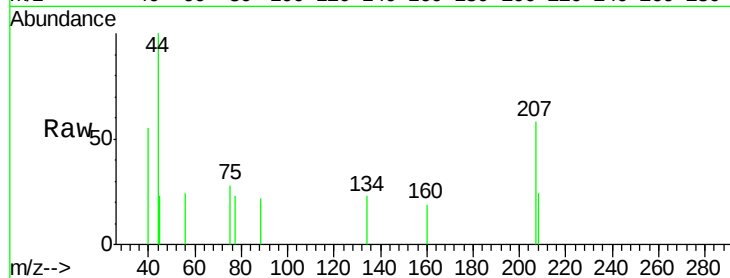
Tot Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 0.0 47.8 71.8#

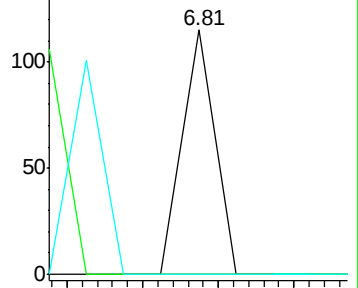
58 0.0 59.4 89.0#



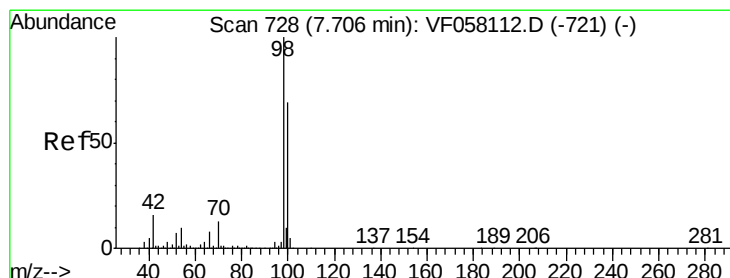
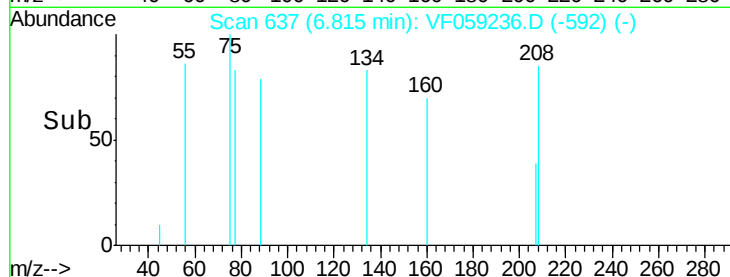
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 41.16 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059236.D

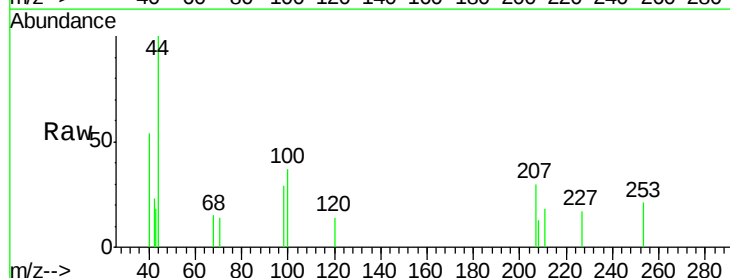
Acq: 20 Jun 2018 20:04

Tgt Ion: 98 Resp: 633

Ion Ratio Lower Upper

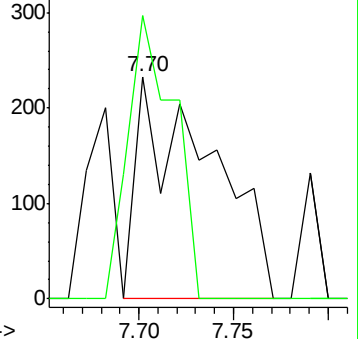
98 100

100 127.5 55.6 83.4#

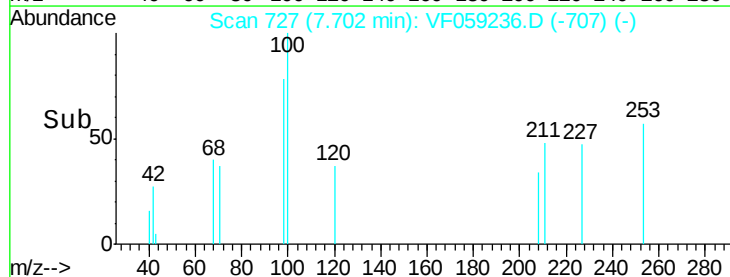


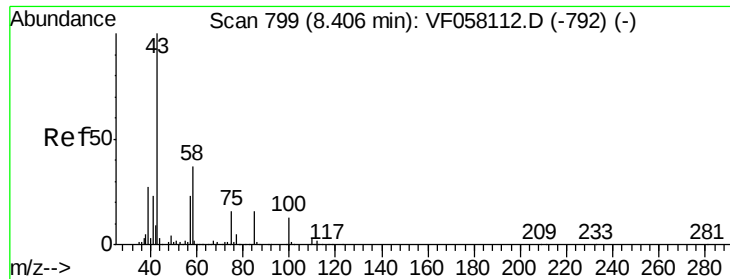
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 16.58 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.03 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampled :

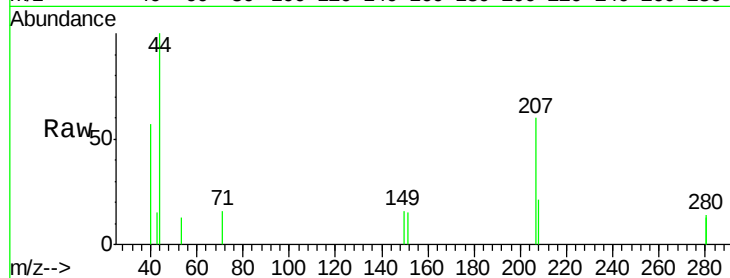
TP-12

Tot Ion: 43 Resp: 68

Ion Ratio Lower Upper

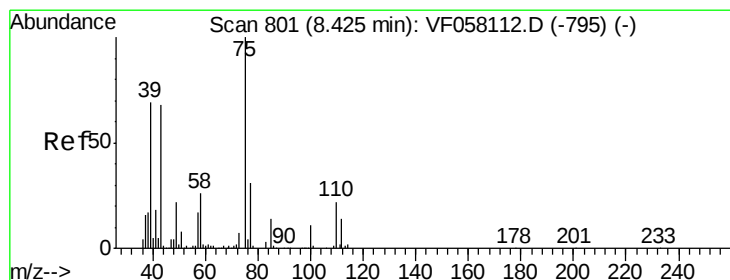
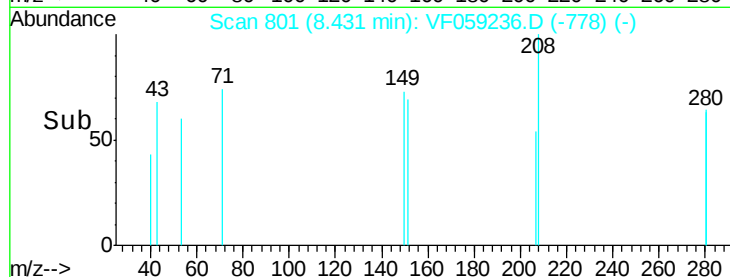
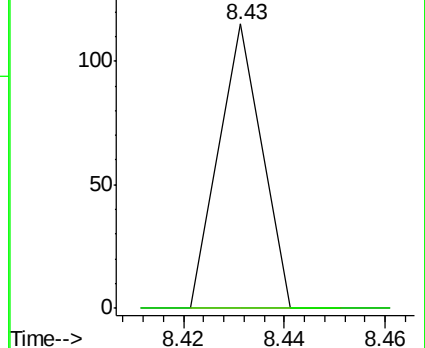
43 100

58 0.0 29.4 44.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 9.60 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF059236.D

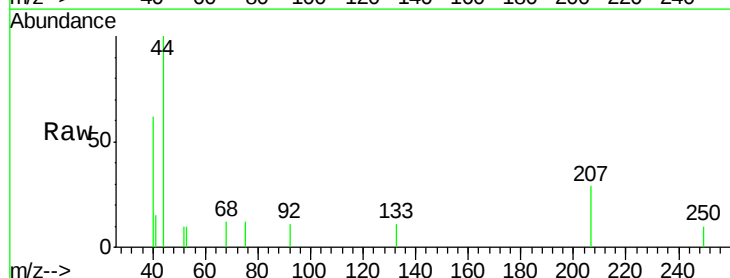
Acq: 20 Jun 2018 20:04

Tgt Ion: 75 Resp: 77

Ion Ratio Lower Upper

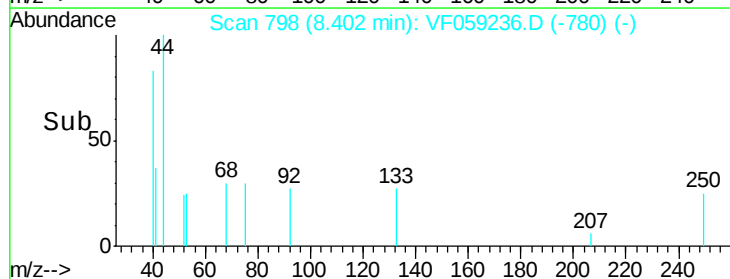
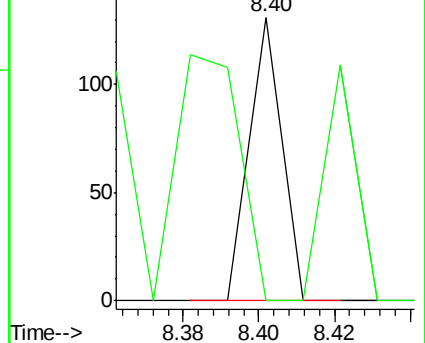
75 100

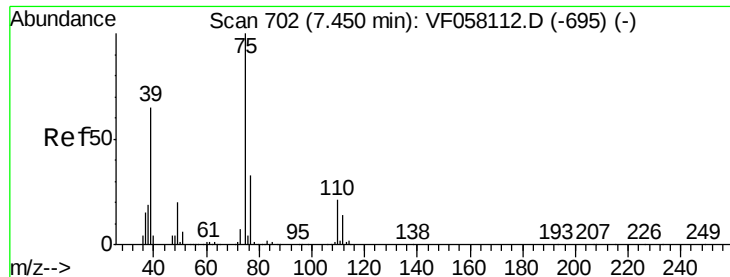
77 0.0 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 7.16 ug/l

RT: 7.43 min Scan# 699

Delta R.T. -0.02 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

TP-12

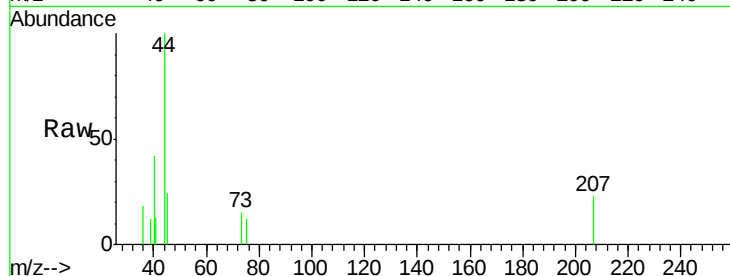
Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#

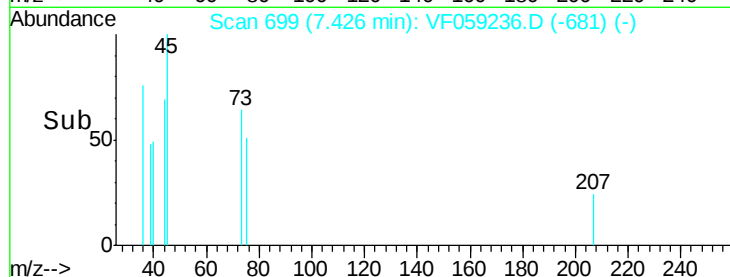
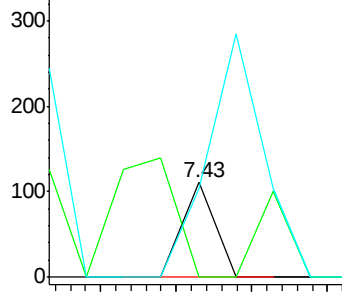
39 93.7 52.1 78.1#



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



#55

1,1,2-Trichloroethane

Concen: 14.84 ug/l

RT: 8.56 min Scan# 814

Delta R.T. -0.08 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Tgt Ion: 97 Resp: 65

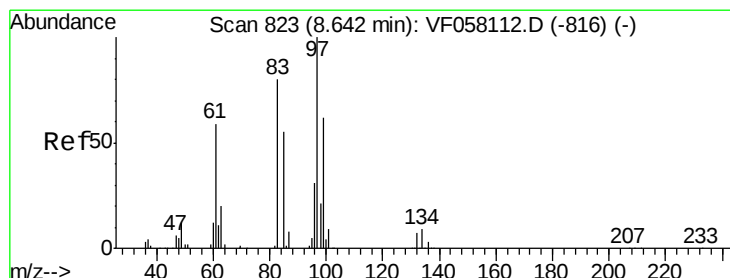
Ion Ratio Lower Upper

97 100

83 0.0 64.3 96.5#

85 0.0 43.8 65.8#

99 144.5 49.8 74.8#

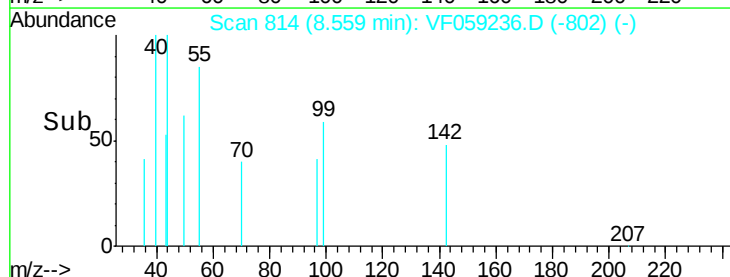
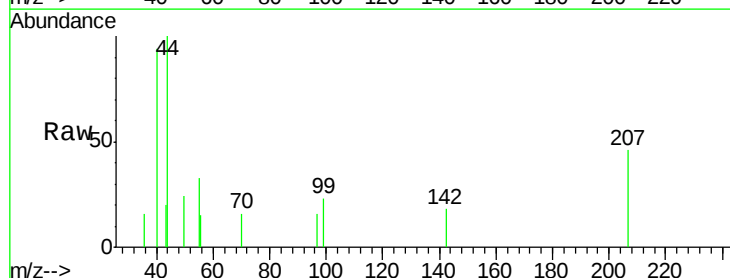
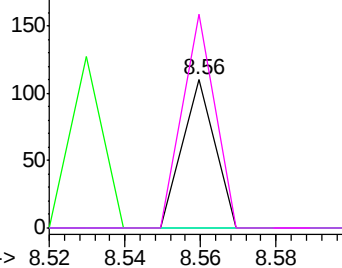


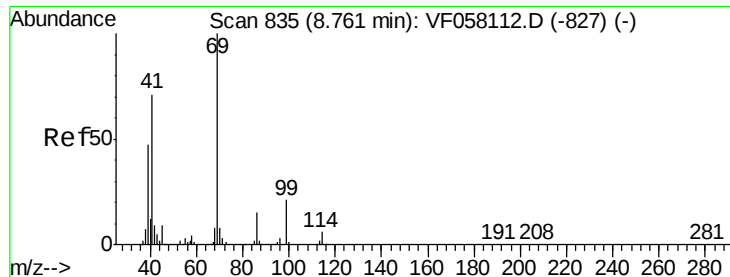
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#56

Ethyl methacrylate

Concen: 26.80 ug/l

RT: 8.78 min Scan# 836

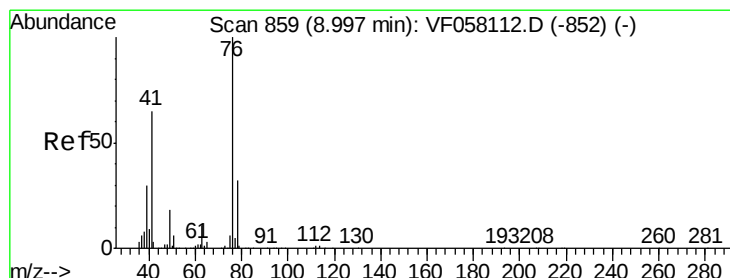
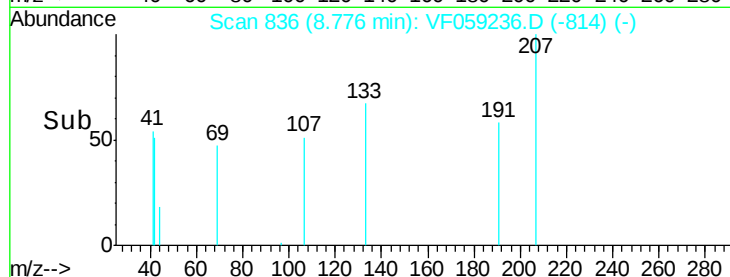
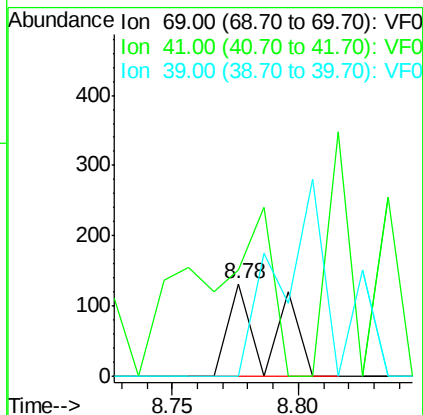
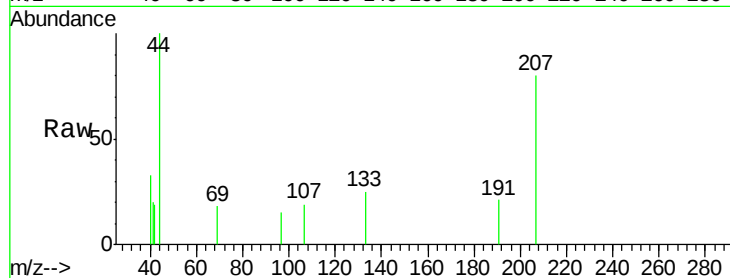
Delta R.T. 0.02 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :
MSVOA_F
ClientSampled :
TP-12

Tot Ion:	69	Resp:	148
Ion	Ratio	Lower	Upper
69	100		
41	115.3	56.9	85.3#
39	0.0	38.0	57.0#



#57

1,3-Dichloropropane

Concen: 10.54 ug/l

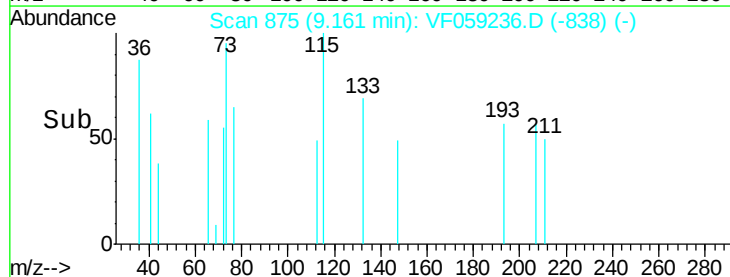
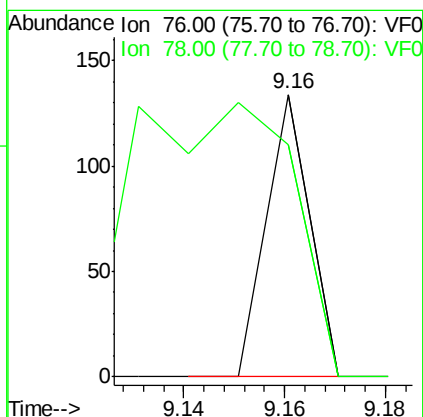
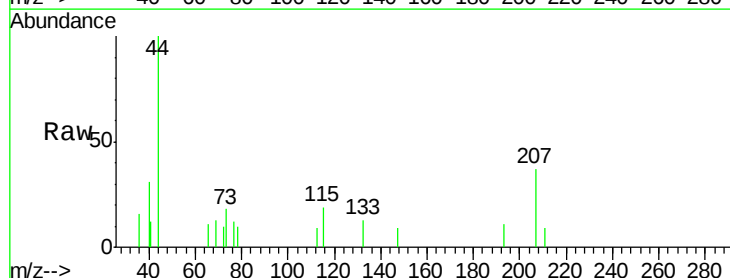
RT: 9.16 min Scan# 875

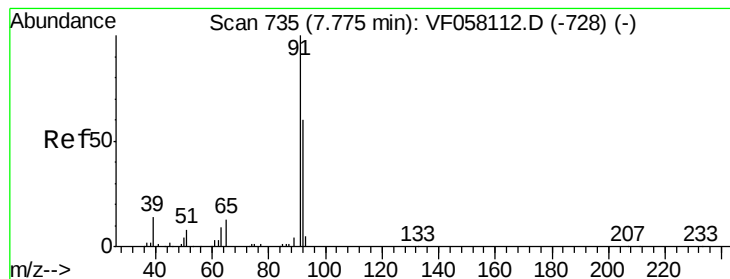
Delta R.T. 0.16 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Tgt Ion:	76	Resp:	79
Ion	Ratio	Lower	Upper
76	100		
78	82.1	25.8	38.6#





#58

2-Chloroethyl Vinyl ether

Concen: 151.96 ug/l

RT: 7.61 min Scan# 718

Delta R.T. -0.16 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampled :

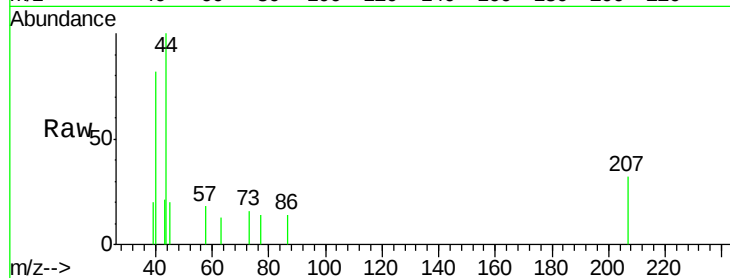
TP-12

Tot Ion: 63 Resp: 60

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

7.61

120

100

80

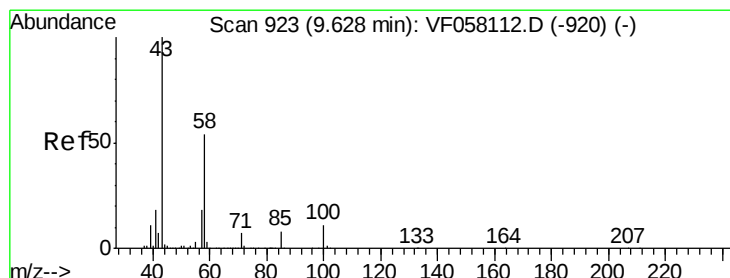
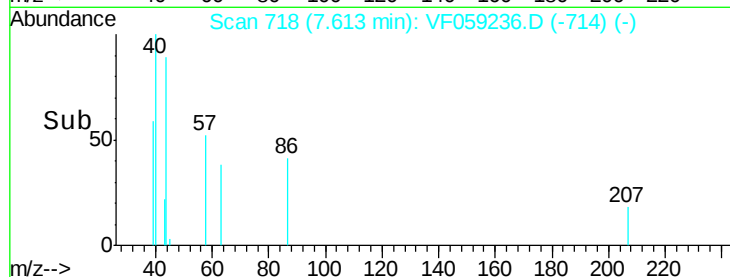
60

40

20

0

Time-->



#59

2-Hexanone

Concen: 71.21 ug/l

RT: 9.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: VF059236.D

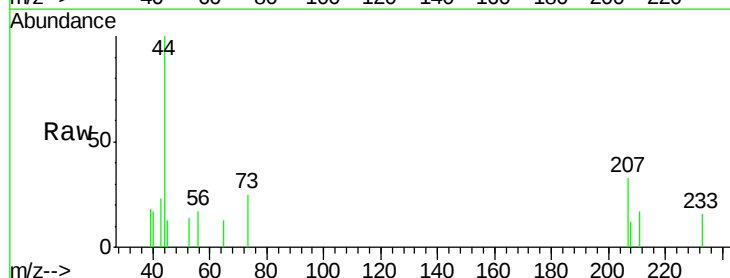
Acq: 20 Jun 2018 20:04

Tgt Ion: 43 Resp: 231

Ion Ratio Lower Upper

43 100

58 0.0 26.3 78.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.60

200

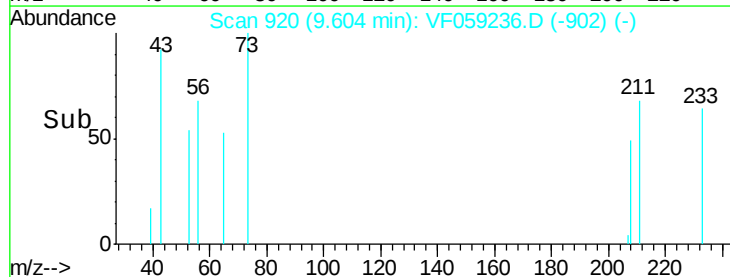
150

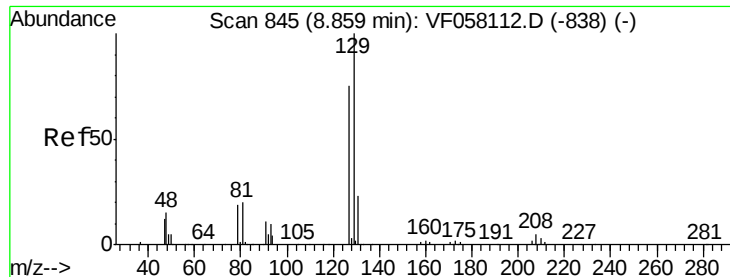
100

50

0

Time-->

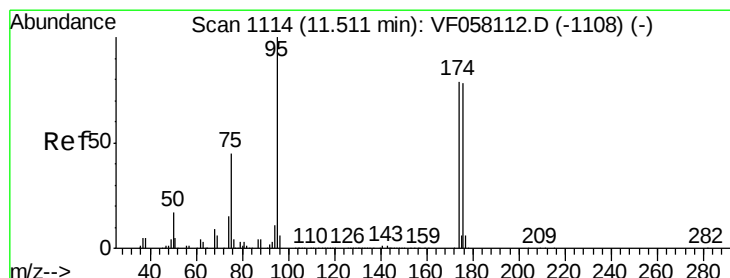
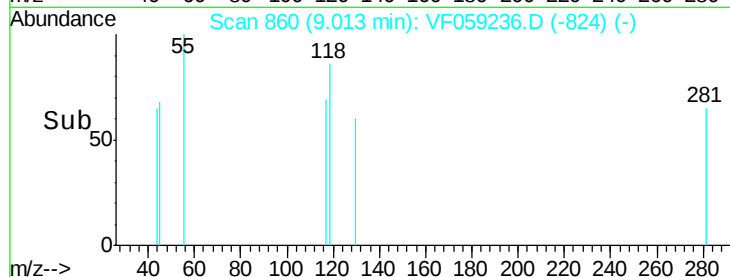
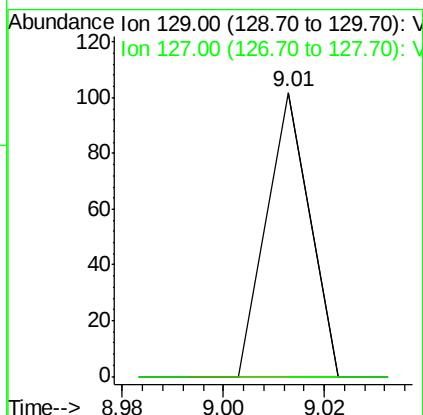
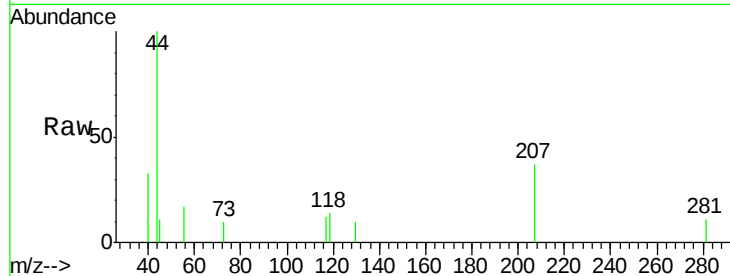




#60
Dibromochloromethane
Concen: 9.53 ug/l
RT: 9.01 min Scan# 860
Delta R.T. 0.15 min
Lab File: VF059236.D
Acq: 20 Jun 2018 20:04

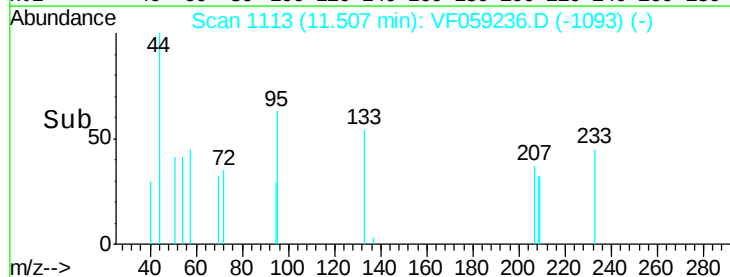
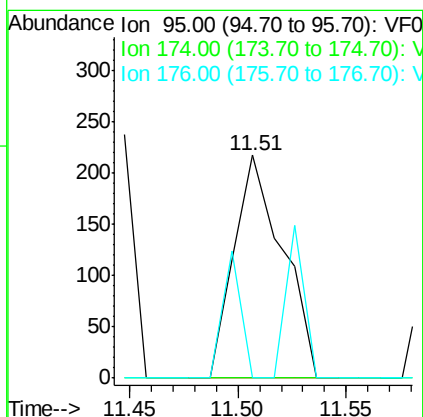
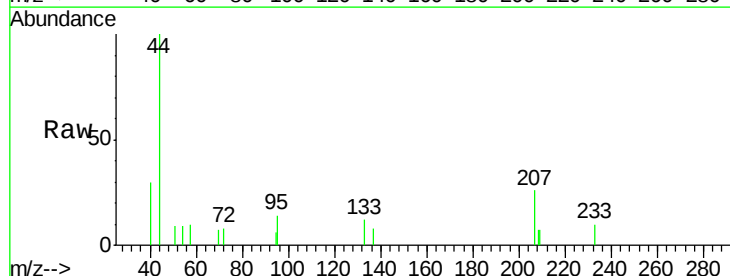
Instrument :
MSVOA_F
ClientSampled :
TP-12

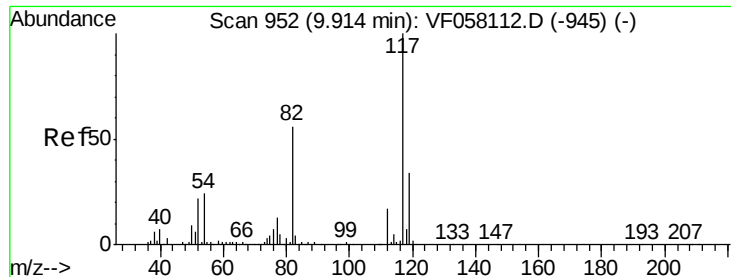
Tot Ion:129 Resp: 60
Ion Ratio Lower Upper
129 100
127 0.0 37.6 112.9#



#62
4-Bromofluorobenzene
Concen: 43.49 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059236.D
Acq: 20 Jun 2018 20:04

Tgt Ion: 95 Resp: 343
Ion Ratio Lower Upper
95 100
174 0.0 0.0 157.8
176 0.0 0.0 155.8

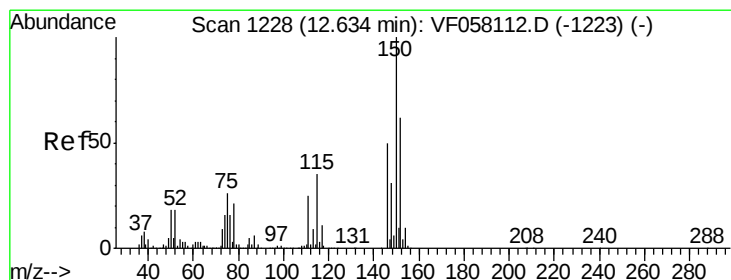
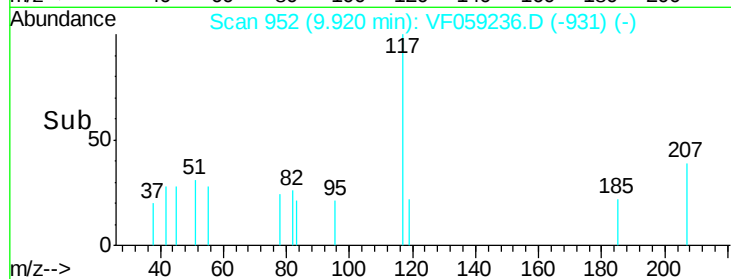
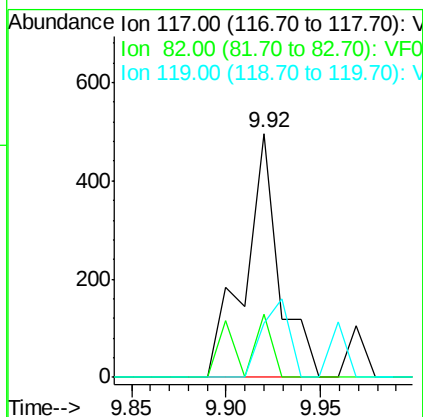
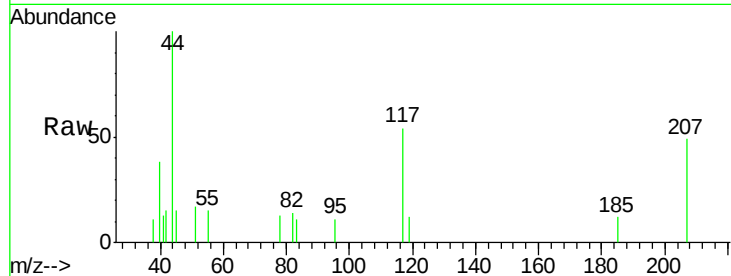




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059236.D
Acq: 20 Jun 2018 20:04

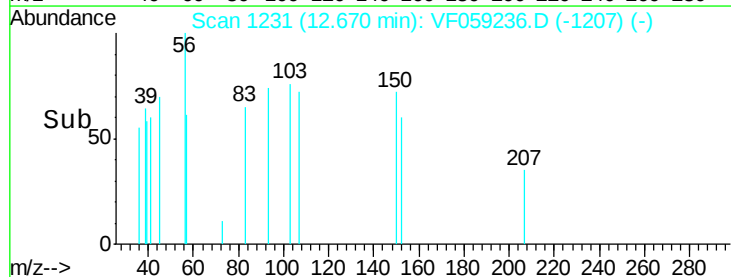
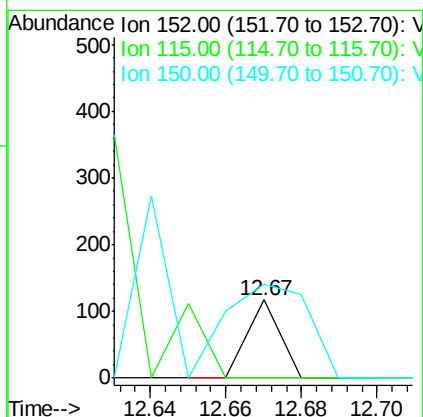
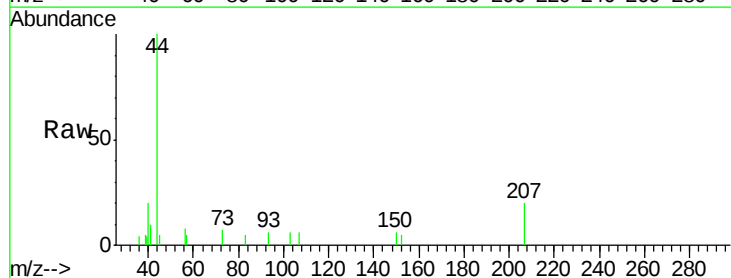
Instrument :
MSVOA_F
ClientSampleId :
TP-12

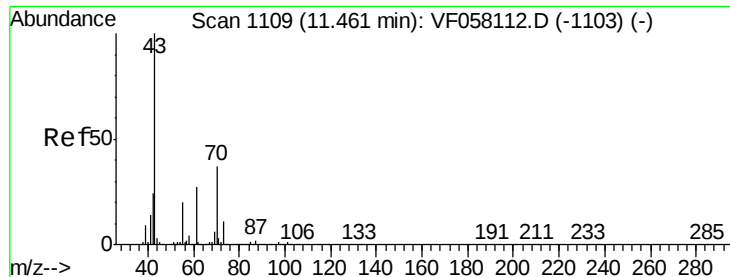
Tot Ion:117 Resp: 628
Ion Ratio Lower Upper
117 100
82 25.8 45.2 67.8#
119 22.0 27.5 41.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.67 min Scan# 1231
Delta R.T. 0.04 min
Lab File: VF059236.D
Acq: 20 Jun 2018 20:04

Tgt Ion:152 Resp: 69
Ion Ratio Lower Upper
152 100
115 0.0 28.5 85.5#
150 119.7 0.0 323.8





#74

N-amvl acetate

Concen: 48.64 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

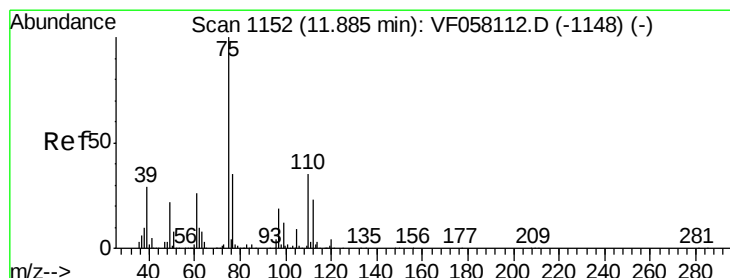
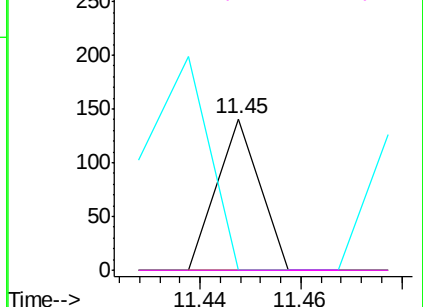
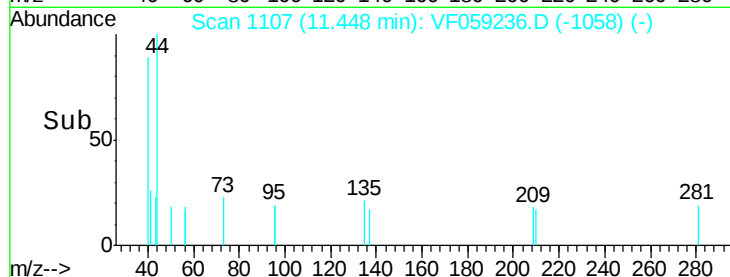
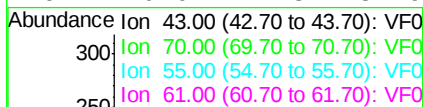
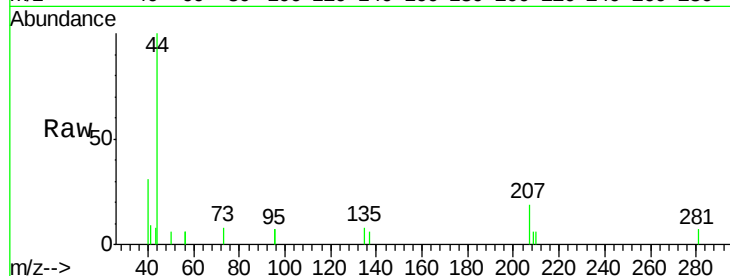
MSVOA_F

ClientSampleId :

TP-12

Tot Ion: 43 Resp: 83

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.2	43.8#
55	0.0	15.8	23.6#
61	0.0	21.3	31.9#



#76

1,2,3-Trichloropropane

Concen: 117.16 ug/l

RT: 11.81 min Scan# 1144

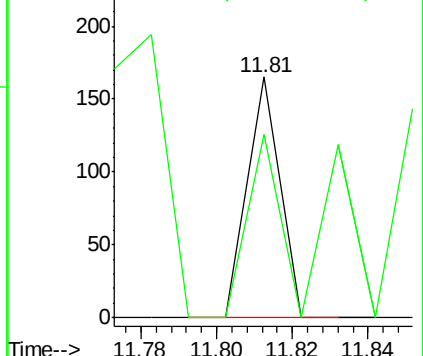
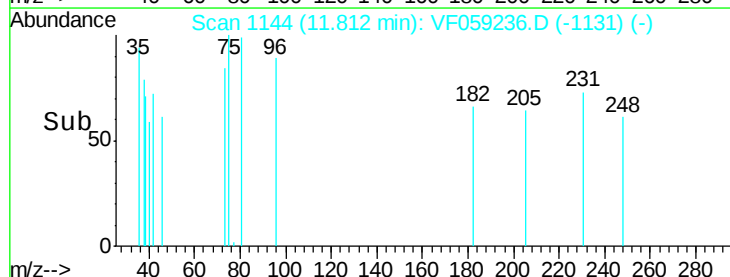
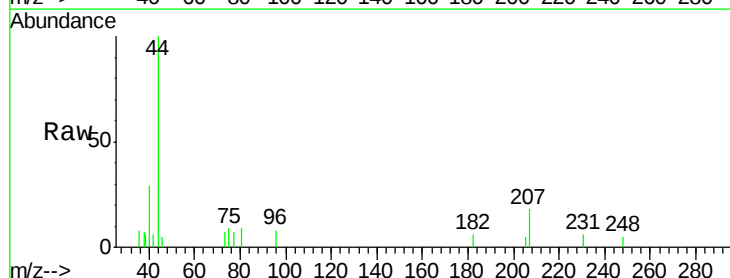
Delta R.T. -0.07 min

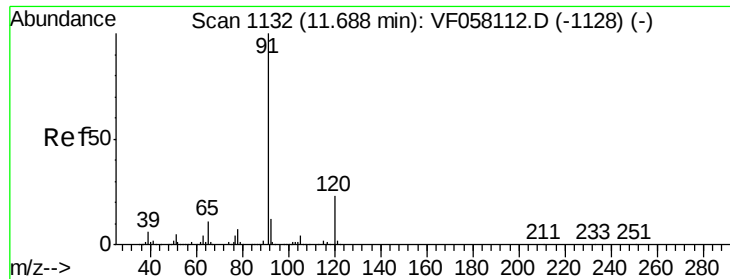
Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Tgt Ion: 75 Resp: 98

Ion	Ratio	Lower	Upper
75	100		
77	76.4	17.5	52.5#





#78

n-propylbenzene

Concen: 16.98 ug/l

RT: 11.63 min Scan# 1126

Delta R.T. -0.05 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampled :

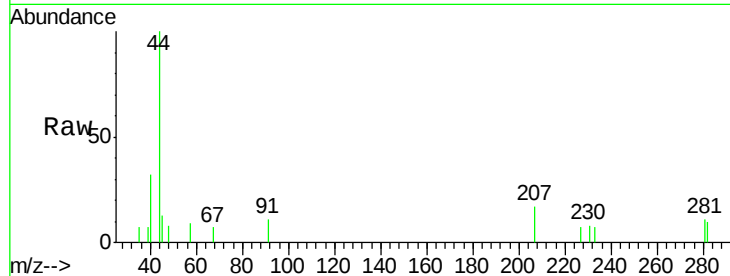
TP-12

Tot Ion: 91 Resp: 96

Ion Ratio Lower Upper

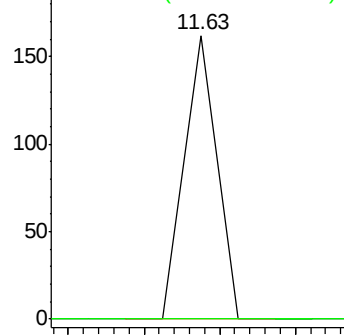
91 100

120 0.0 11.5 34.5#

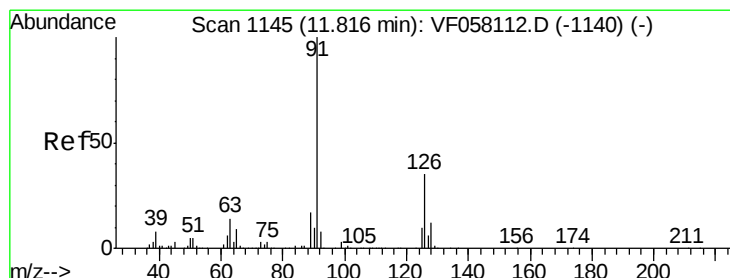
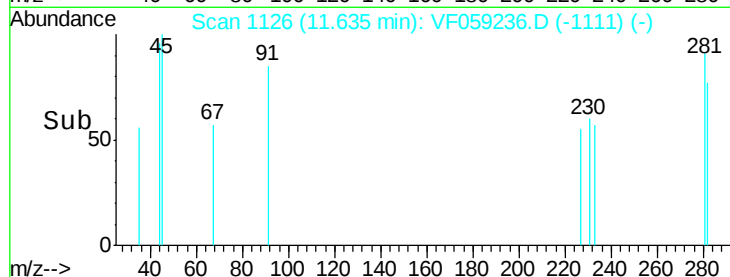


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.60 11.62 11.64 11.66



#79

2-Chlorotoluene

Concen: 20.06 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.05 min

Lab File: VF059236.D

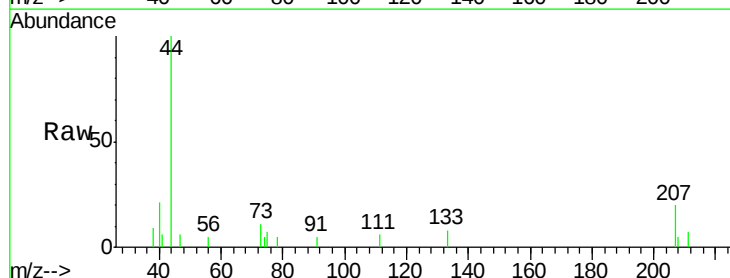
Acq: 20 Jun 2018 20:04

Tgt Ion: 91 Resp: 67

Ion Ratio Lower Upper

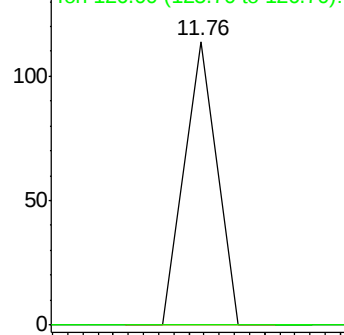
91 100

126 0.0 17.6 52.9#

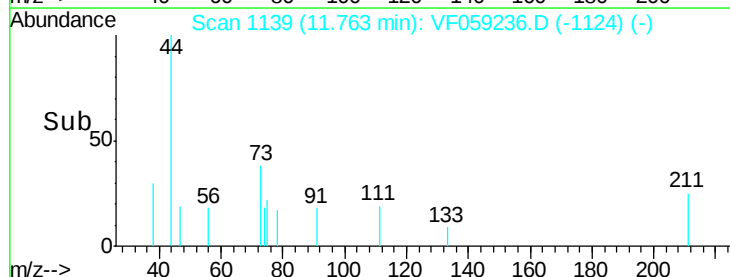


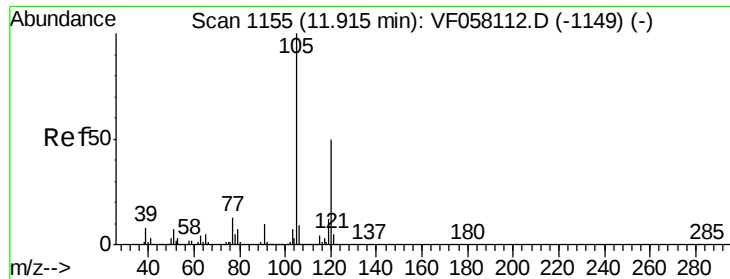
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time--> 11.74 11.76 11.78





#80

1,3,5-Trimethylbenzene

Concen: 15.93 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.11 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

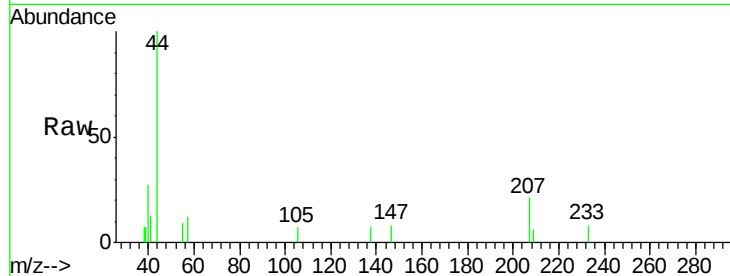
TP-12

Tot Ion:105 Resp: 63

Ion Ratio Lower Upper

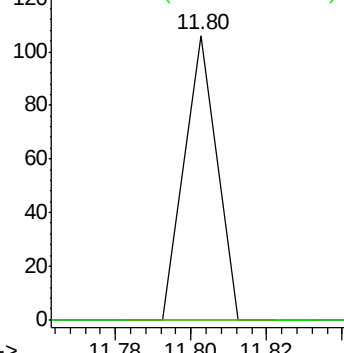
105 100

120 0.0 24.9 74.6#

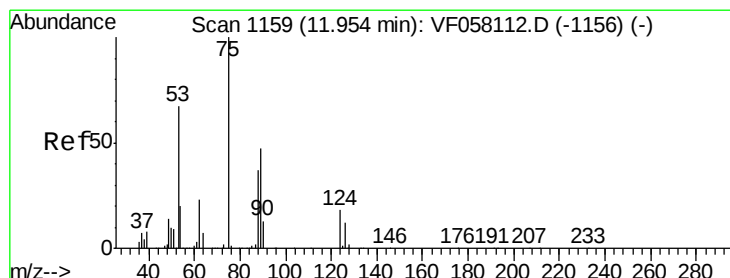
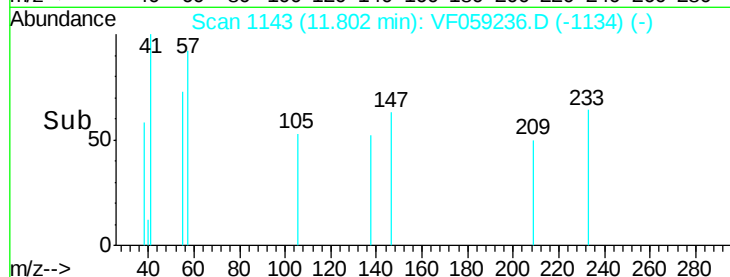


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 127.23 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.03 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

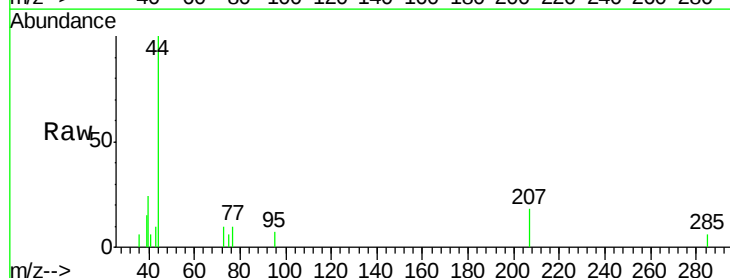
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

53 0.0 58.7 88.1#

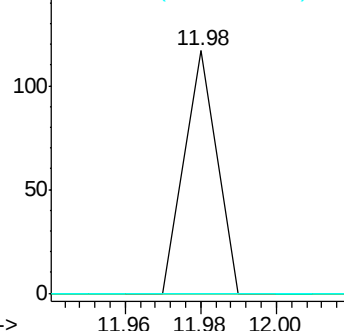
89 0.0 39.8 59.6#



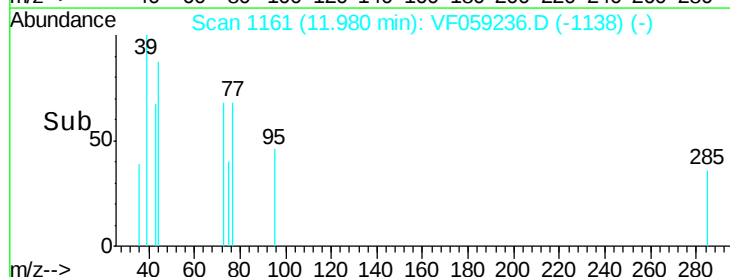
Abundance Ion 75.00 (74.70 to 75.70): VF0

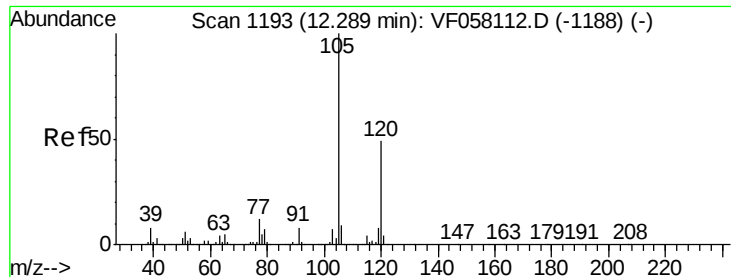
Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->

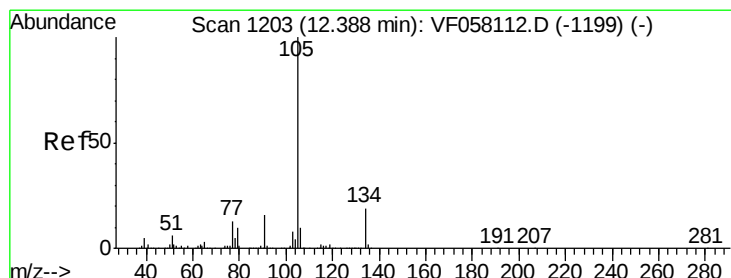
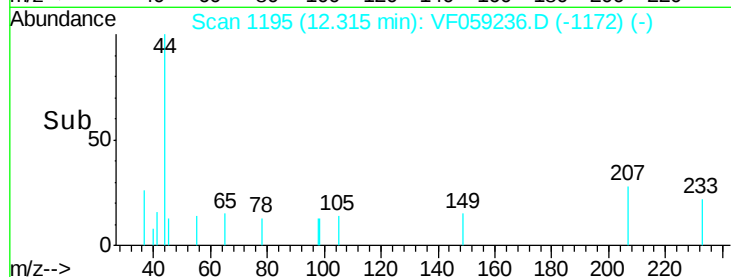
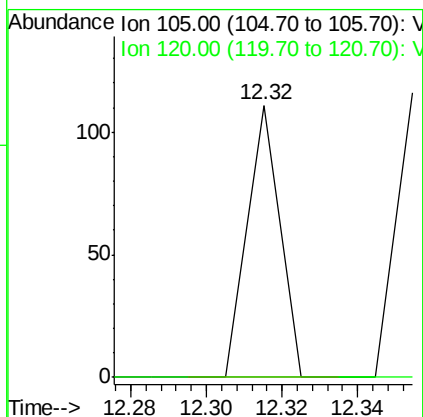
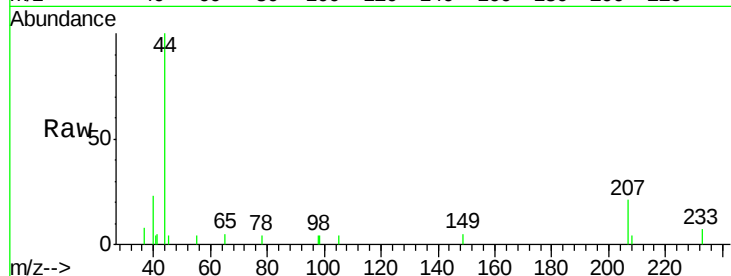




#84
 1,2,4-Trimethylbenzene
 Concen: 16.11 ug/l
 RT: 12.32 min Scan# 1195
 Delta R.T. 0.03 min
 Lab File: VF059236.D
 Acq: 20 Jun 2018 20:04

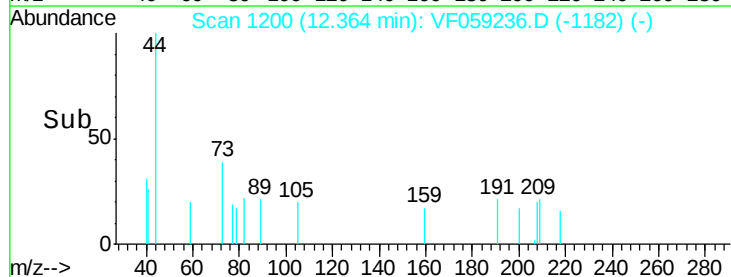
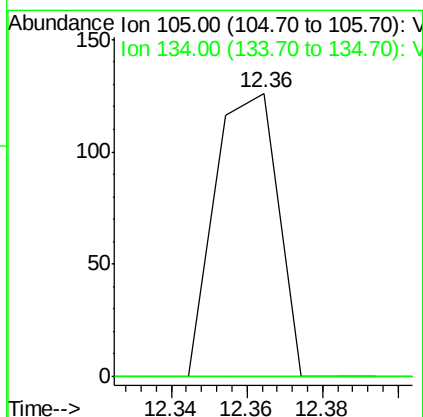
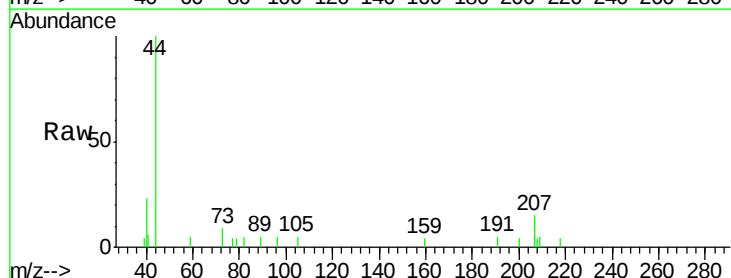
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-12

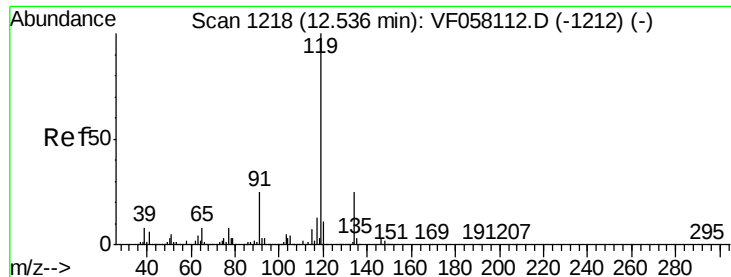
Tot Ion:105 Resp: 66
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.7 74.1#



#85
 sec-Butylbenzene
 Concen: 26.81 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF059236.D
 Acq: 20 Jun 2018 20:04

Tgt Ion:105 Resp: 143
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#





#86

p-Isopropyltoluene

Concen: 17.12 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.03 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampled :

TP-12

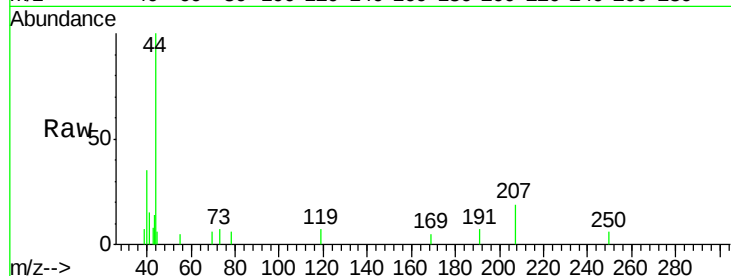
Tot Ion:119 Resp: 75

Ion Ratio Lower Upper

119 100

134 0.0 12.7 38.0#

91 0.0 12.6 37.6#

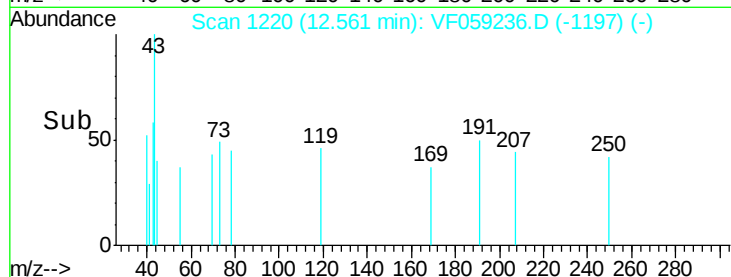


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



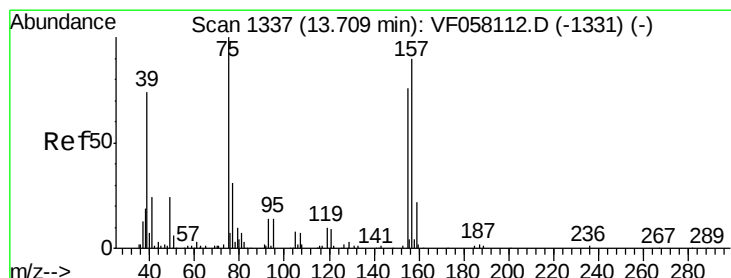
Abundance

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

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 346.60 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.02 min

Lab File: VF059236.D

Acq: 20 Jun 2018 20:04

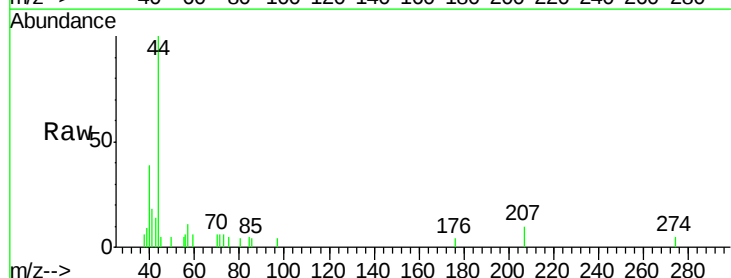
Tgt Ion: 75 Resp: 77

Ion Ratio Lower Upper

75 100

155 0.0 38.0 114.0#

157 0.0 45.1 135.5#

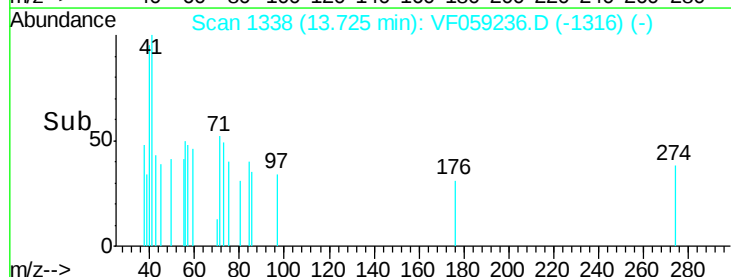


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

Time-->



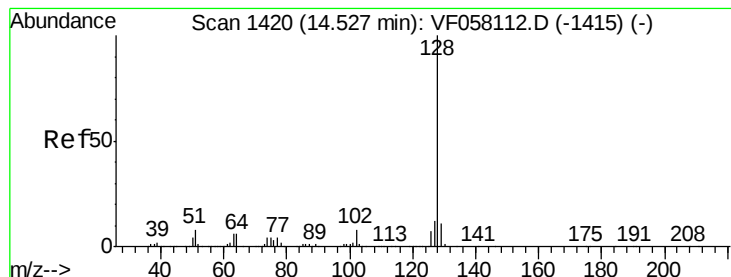
Abundance

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

Time-->



#95

Naphthalene

Concen: 20.35 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059236.D

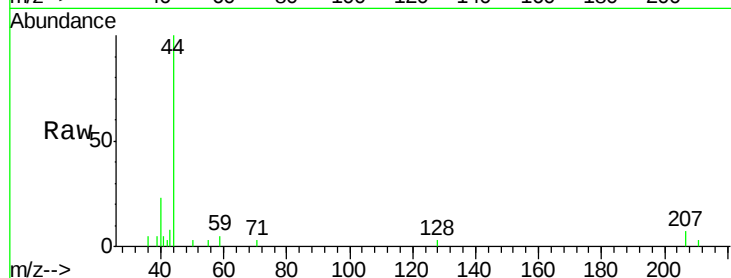
Acq: 20 Jun 2018 20:04

Instrument :

MSVOA_F

ClientSampleId :

TP-12



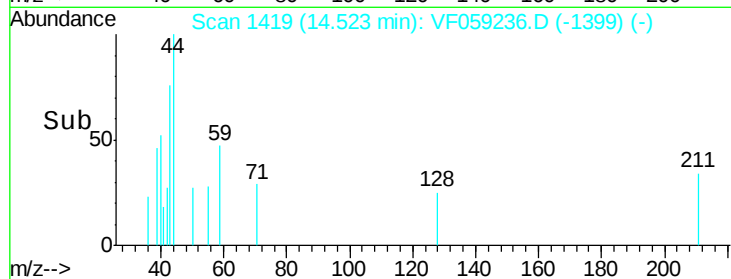
Tot Ion:128 Resp: 65

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

