

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059350.D
 Acq On : 27 Jun 2018 20:22
 Operator : VA/AP
 Sample : J3677-10
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 28 01:45:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	6097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	6299	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	5039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	1490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	1121	14.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.46%	
35) Dibromofluoromethane	4.28	113	1682	36.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.10%	
50) Toluene-d8	7.70	98	5058	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
62) 4-Bromofluorobenzene	11.50	95	1304	20.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	75	1.346	ug/l #	40
3) Chloromethane	1.09	50	83	2.218	ug/l #	41
4) Vinyl Chloride	1.14	62	111	3.013	ug/l #	42
8) Diethyl Ether	1.62	74	73	3.908	ug/l	80
11) Tert butyl alcohol	2.61	59	82	15.636	ug/l #	66
12) 1,1-Dichloroethene	1.94	96	61	1.697	ug/l #	1
13) Acrolein	2.03	56	67	8.085	ug/l #	10
14) Allyl chloride	2.12	41	145	2.149	ug/l #	1
16) Acetone	2.32	43	615	21.957	ug/l #	65
18) Methyl Acetate	2.39	43	145	2.984	ug/l #	61
19) Methyl tert-butyl Ether	2.51	73	241	1.797	ug/l #	63
20) Methylene Chloride	2.28	84	374	1.263	ug/l #	47
21) trans-1,2-Dichloroethene	2.38	96	64	1.669	ug/l #	1
25) 2-Butanone	4.49	43	386	13.601	ug/l #	59
27) cis-1,2-Dichloroethene	3.66	96	83	1.426	ug/l	1
31) Cyclohexane	3.87	56	189	3.114	ug/l #	13
36) 1,1-Dichloropropene	4.45	75	83	1.508	ug/l #	44
41) Methacrylonitrile	4.92	41	73	3.889	ug/l #	26
42) 1,2-Dichloroethane	5.13	62	73	1.024	ug/l	83
43) Isopropyl Acetate	7.13	43	406	8.858	ug/l #	52
48) Methyl methacrylate	6.88	41	60	1.953	ug/l #	42
49) 1,4-Dioxane	7.04	88	89	522.687	ug/l #	20
51) 4-Methyl-2-Pentanone	8.38	43	163	4.800	ug/l #	39
53) t-1,3-Dichloropropene	8.42	75	68	1.019	ug/l #	43
55) 1,1,2-Trichloroethane	8.58	97	63	1.777	ug/l #	13
58) 2-Chloroethyl Vinyl ether	7.76	63	135	40.993	ug/l	100
59) 2-Hexanone	9.64	43	66	Below Cal	#	30
61) 1,2-Dibromoethane	9.16	107	59	1.372	ug/l #	1
64) Tetrachloroethene	8.18	164	64	1.958	ug/l #	1
74) N-amyl acetate	11.42	43	103	3.270	ug/l #	46
85) sec-Butylbenzene	12.50	105	127	1.260	ug/l #	58
86) p-Isopropyltoluene	12.51	119	124	1.466	ug/l #	50
90) Hexachloroethane	12.91	117	60	2.846	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	13.57	75	75	15.433	ug/l #	1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

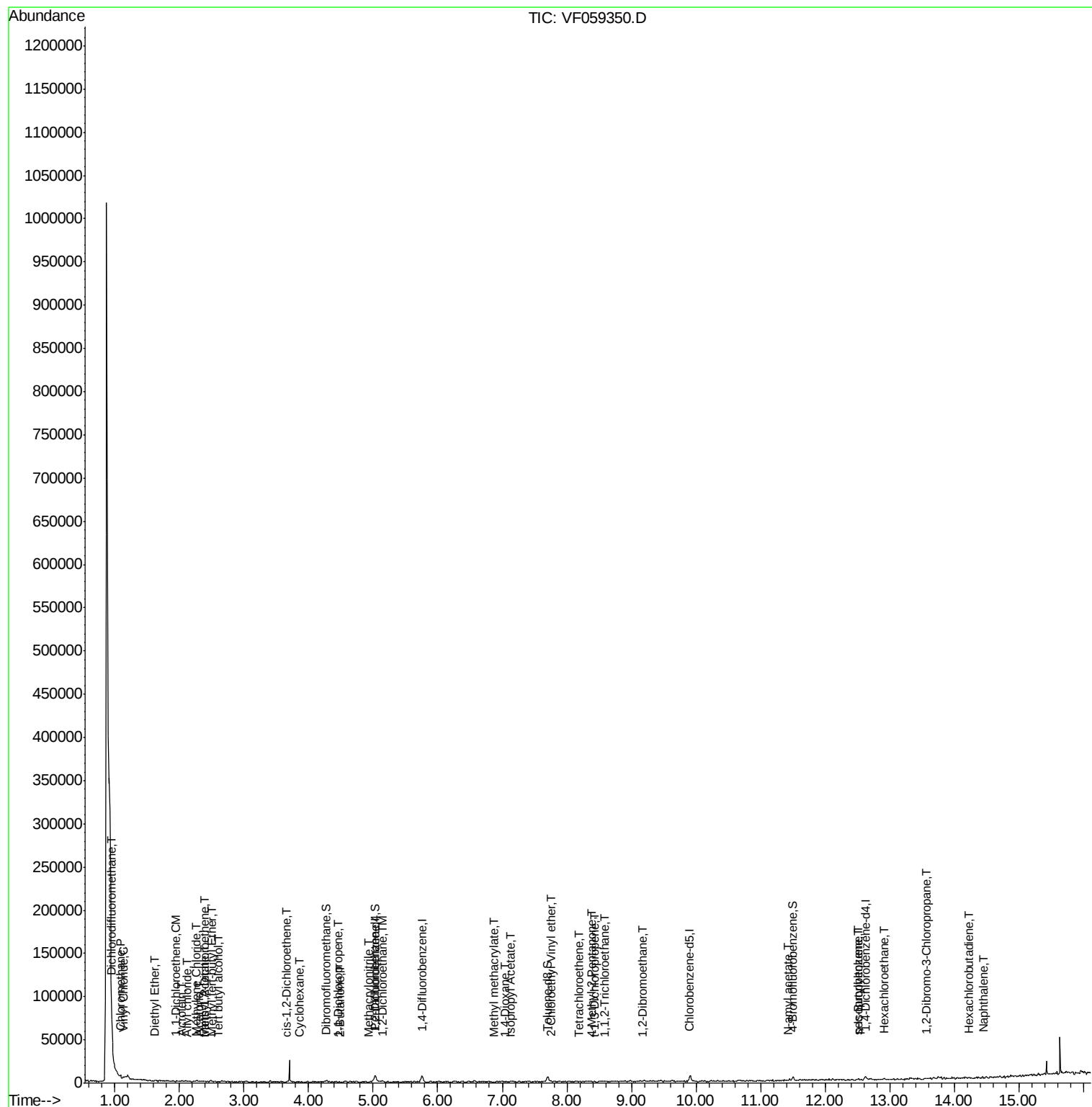
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.21	225	67	3.710	ug/l #	20
95) Naphthalene	14.47	128	127	1.878	ug/l #	69

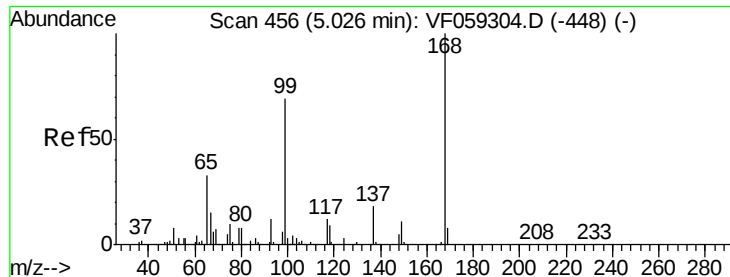
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

Instrument :

MSVOA_F

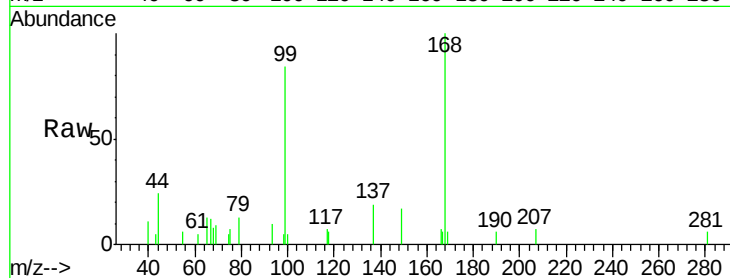
ClientSampleId :

Tot Ion:168 Resp: 6097

Ion Ratio Lower Upper

168 100

99 83.5 54.9 82.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

2500

2000

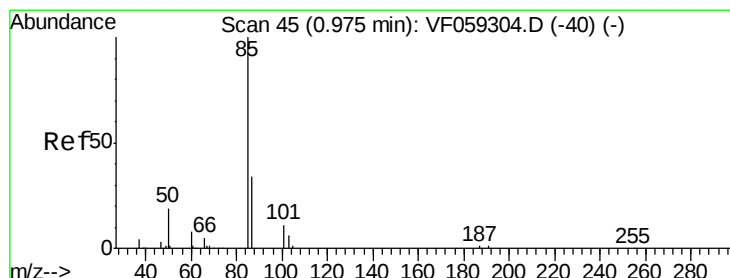
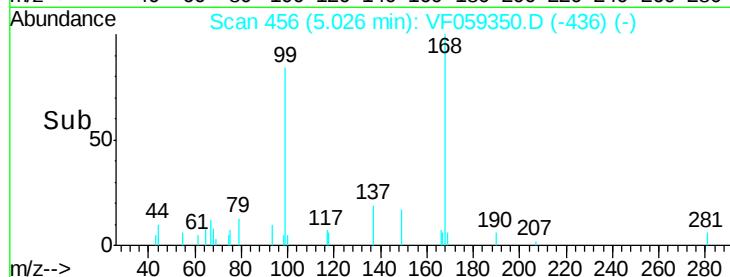
1500

1000

500

0

Time--> 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 1.346 ug/l

RT: 0.96 min Scan# 44

Delta R.T. -0.01 min

Lab File: VF059350.D

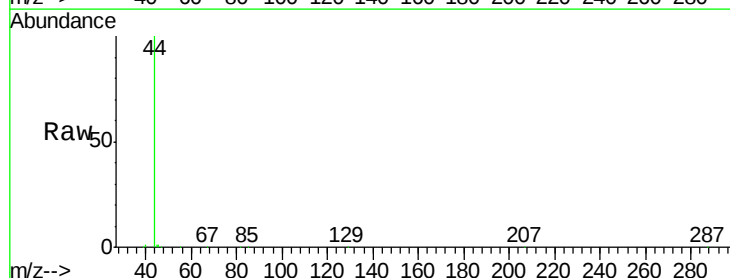
Acq: 27 Jun 2018 20:22

Tgt Ion: 85 Resp: 75

Ion Ratio Lower Upper

85 100

87 0.0 17.1 51.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

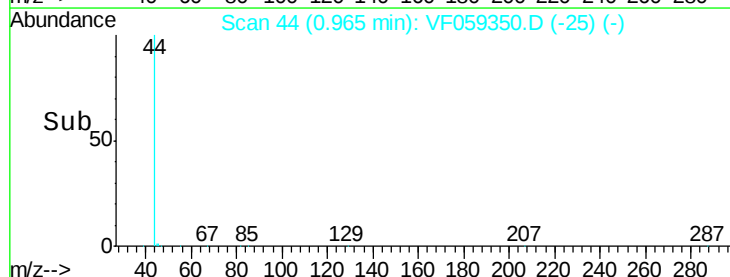
150

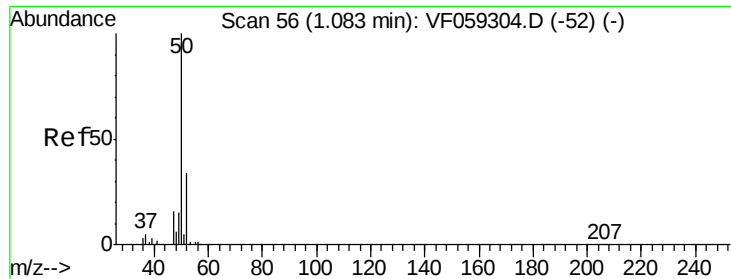
100

50

0

Time--> 0.94 0.96 0.98





#3

Chloromethane

Concen: 2.218 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

Instrument :

MSVOA_F

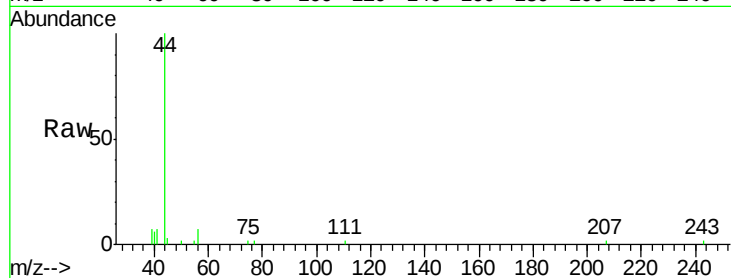
ClientSampleId :

Tot Ion: 50 Resp: 83

Ion Ratio Lower Upper

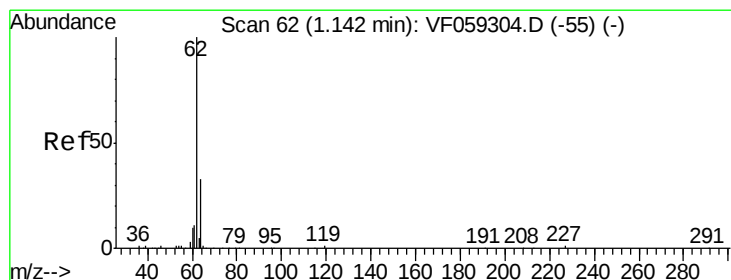
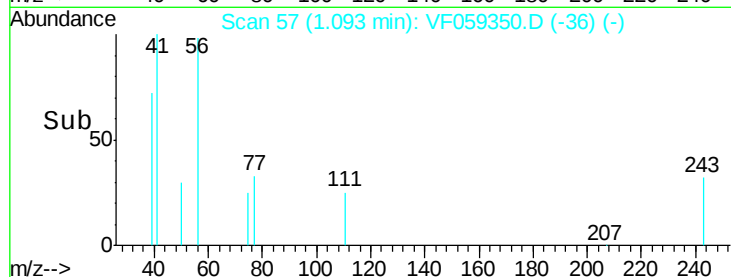
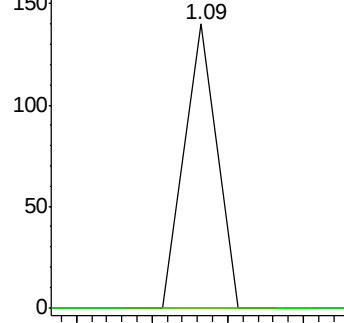
50 100

52 0.0 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 3.013 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059350.D

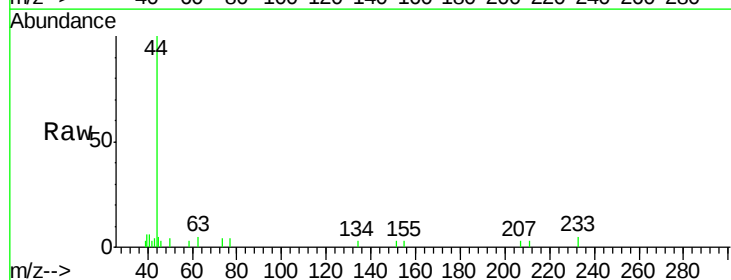
Acq: 27 Jun 2018 20:22

Tgt Ion: 62 Resp: 111

Ion Ratio Lower Upper

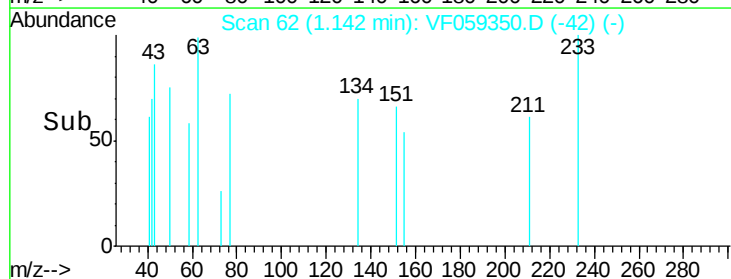
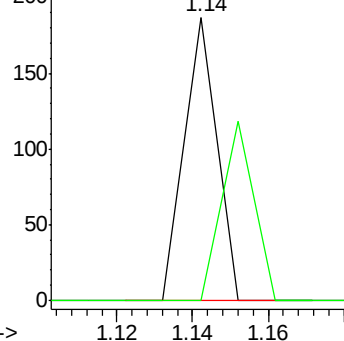
62 100

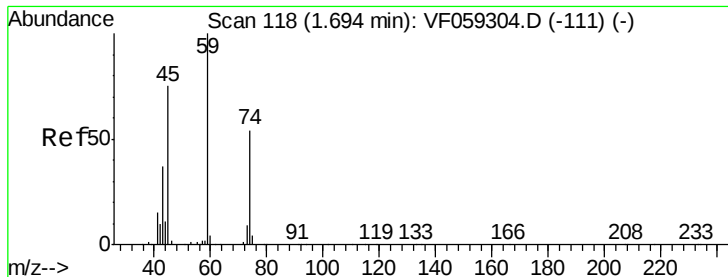
64 0.0 26.3 39.5#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#8

Diethyl Ether

Concen: 3.908 ug/l

RT: 1.62 min Scan# 110

Delta R.T. -0.08 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

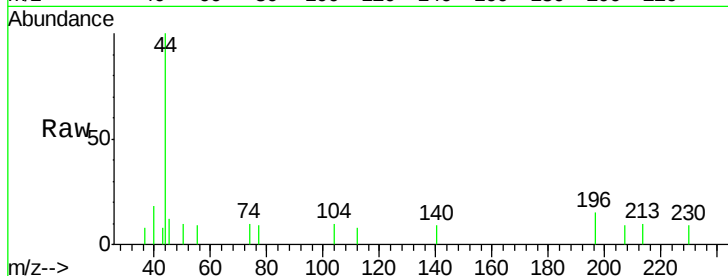
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 74 Resp: 73

Ion Ratio Lower Upper

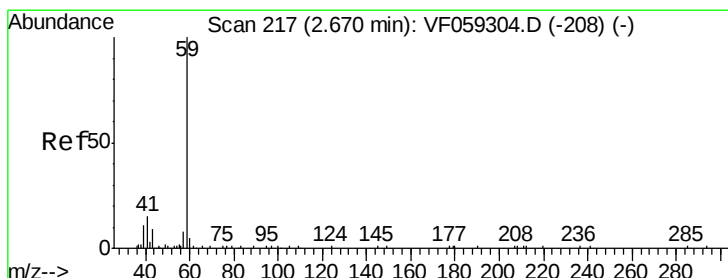
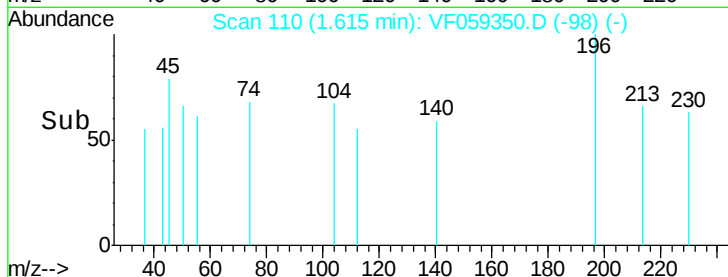
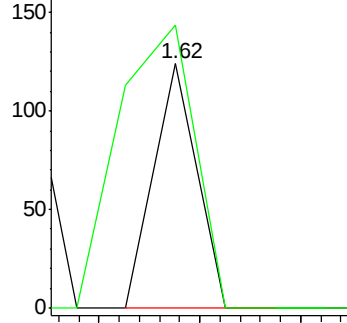
74 100

45 116.1 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 15.636 ug/l

RT: 2.61 min Scan# 211

Delta R.T. -0.06 min

Lab File: VF059350.D

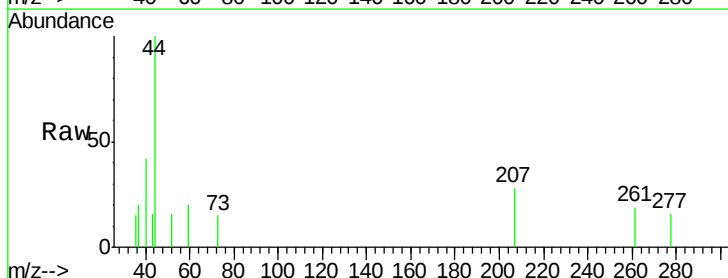
Acq: 27 Jun 2018 20:22

Tgt Ion: 59 Resp: 82

Ion Ratio Lower Upper

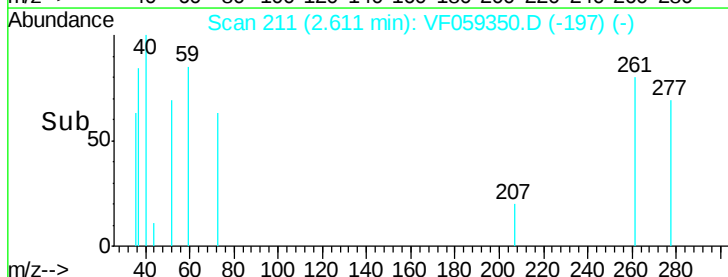
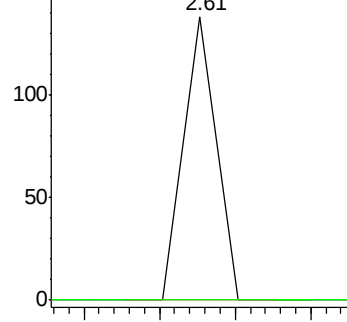
59 100

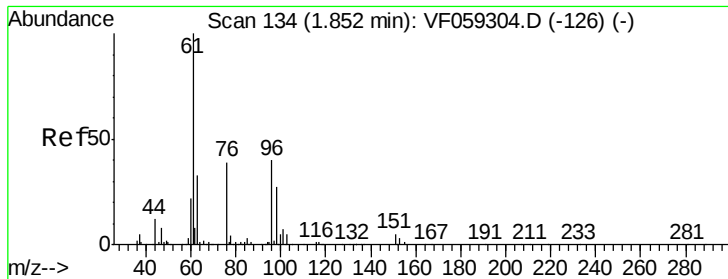
57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

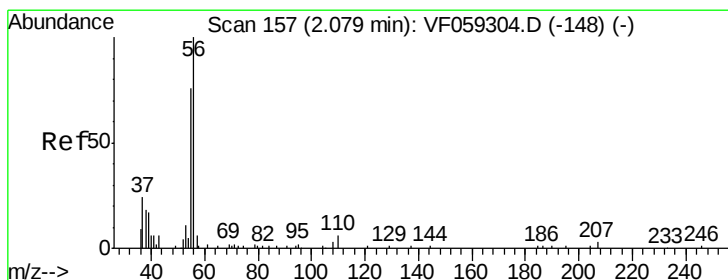
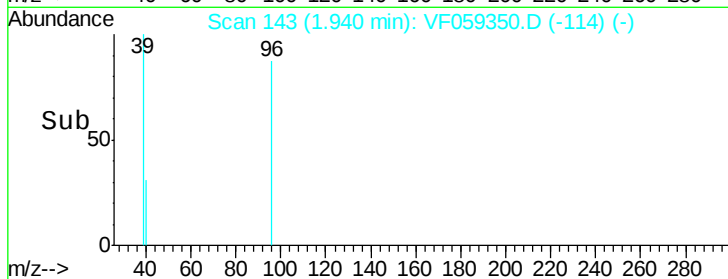
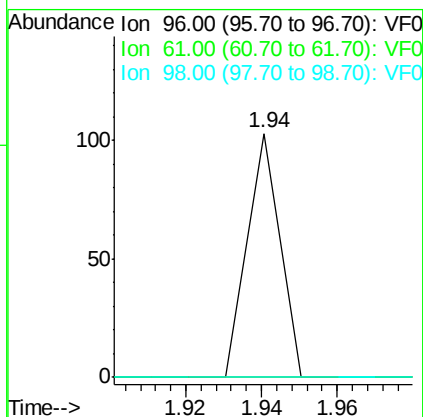
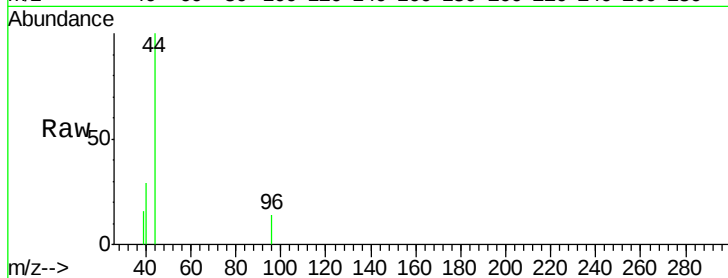




#12
 1,1-Dichloroethene
 Concen: 1.697 ug/l
 RT: 1.94 min Scan# 143
 Delta R.T. 0.09 min
 Lab File: VF059350.D
 Acq: 27 Jun 2018 20:22

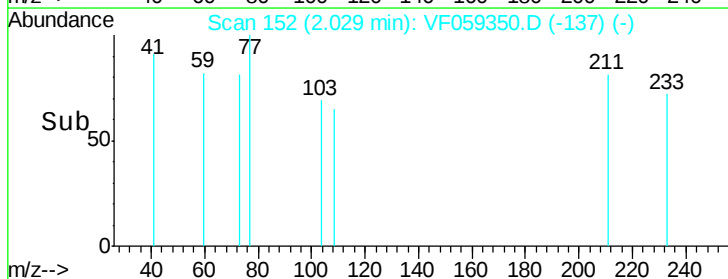
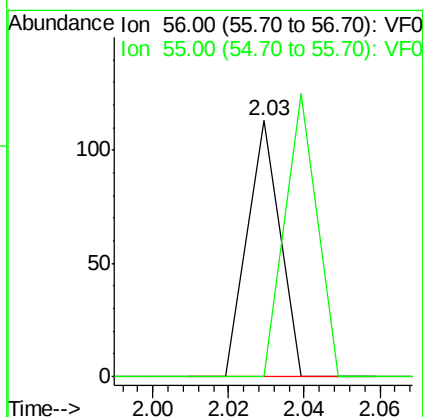
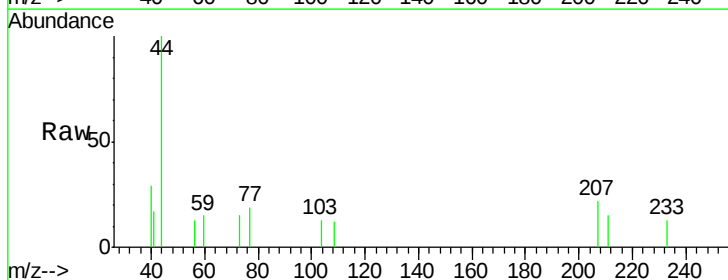
Instrument :
 MSVOA_F
 ClientSampled :

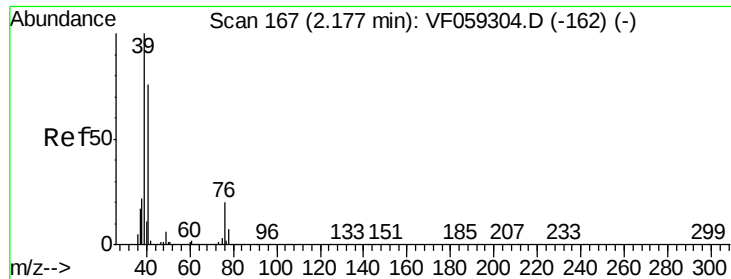
Tot Ion: 96 Resp: 61
 Ion Ratio Lower Upper
 96 100
 61 0.0 201.1 301.7#
 98 0.0 53.9 80.9#



#13
 Acrolein
 Concen: 8.085 ug/l
 RT: 2.03 min Scan# 152
 Delta R.T. -0.05 min
 Lab File: VF059350.D
 Acq: 27 Jun 2018 20:22

Tgt Ion: 56 Resp: 67
 Ion Ratio Lower Upper
 56 100
 55 0.0 62.4 93.6#





#14

Allvl chloride

Concen: 2.149 ug/l

RT: 2.12 min Scan# 161

Delta R.T. -0.06 min

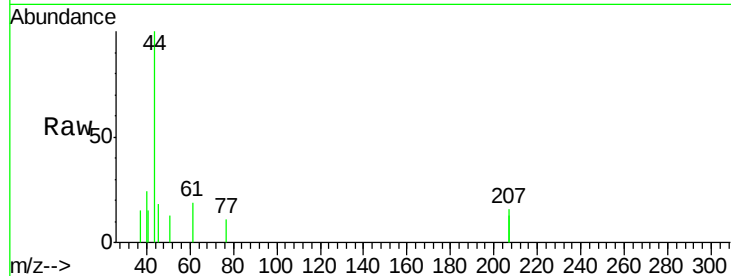
Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

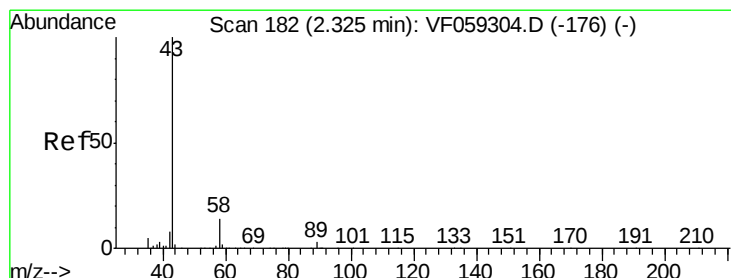
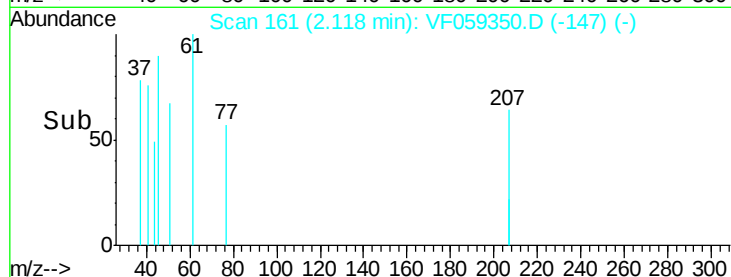
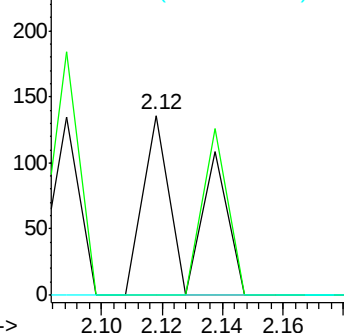
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 145

Ion	Ratio	Lower	Upper
41	100		
39	0.0	105.6	158.4#
76	0.0	21.6	32.4#



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



#16

Acetone

Concen: 21.957 ug/l

RT: 2.32 min Scan# 181

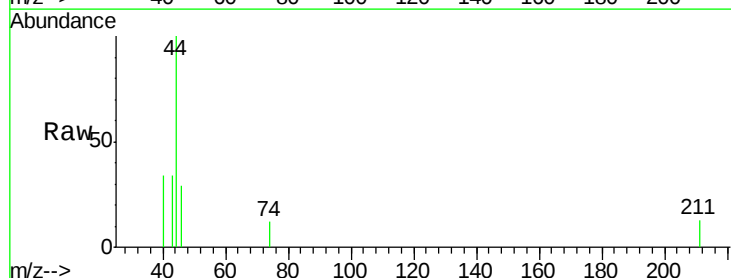
Delta R.T. -0.01 min

Lab File: VF059350.D

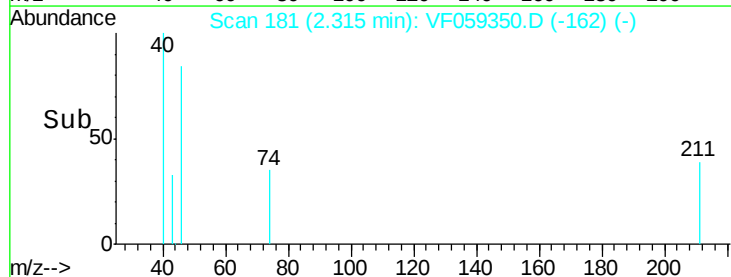
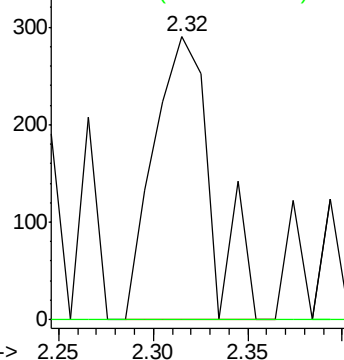
Acq: 27 Jun 2018 20:22

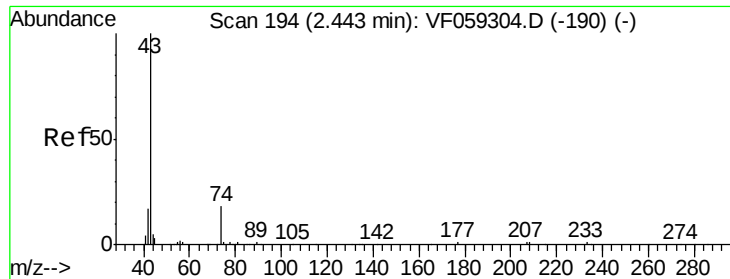
Tgt Ion: 43 Resp: 615

Ion	Ratio	Lower	Upper
43	100		
58	0.0	11.4	17.0#



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

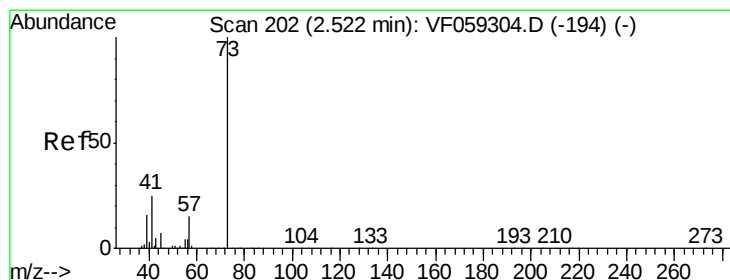
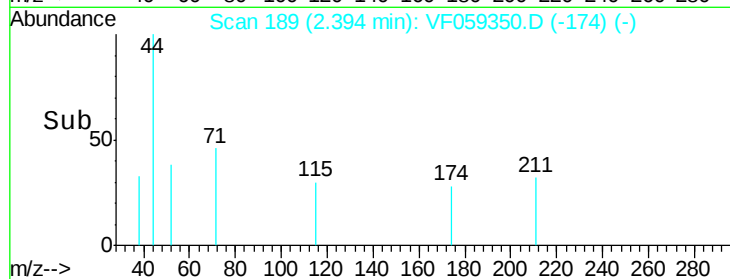
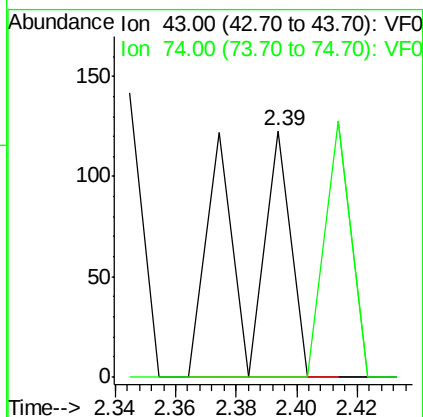
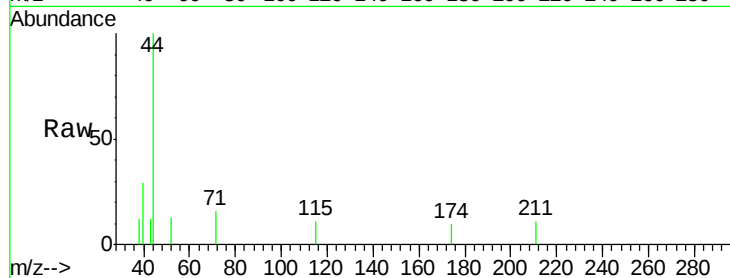




#18
Methyl Acetate
Concen: 2.984 ug/l
RT: 2.39 min Scan# 189
Delta R.T. -0.05 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

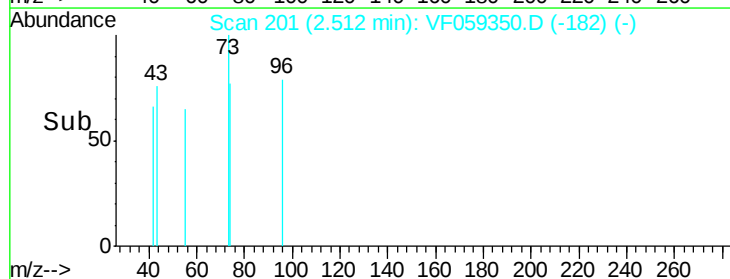
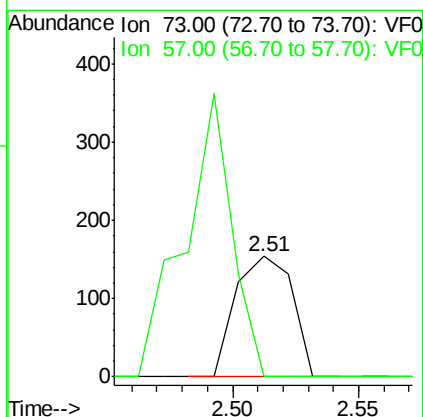
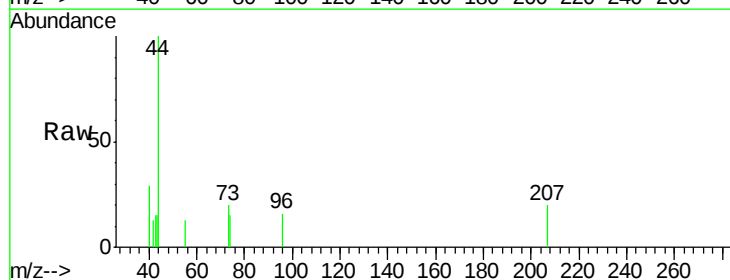
Instrument :
MSVOA_F
ClientSampleId :

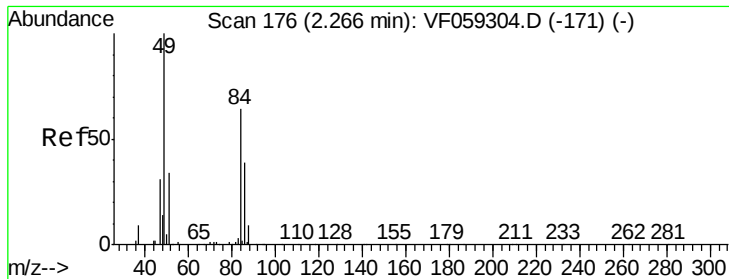
Tot Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#19
Methyl tert-butyl Ether
Concen: 1.797 ug/l
RT: 2.51 min Scan# 201
Delta R.T. -0.01 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

Tgt Ion: 73 Resp: 241
Ion Ratio Lower Upper
73 100
57 0.0 12.3 18.5#

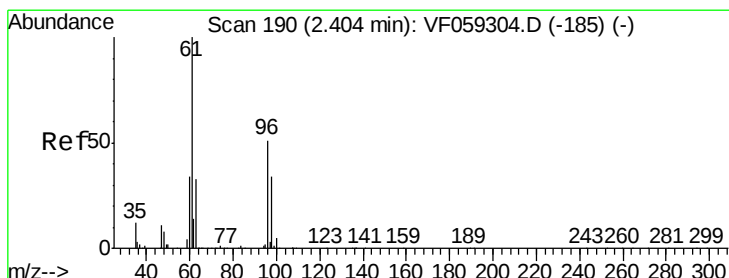
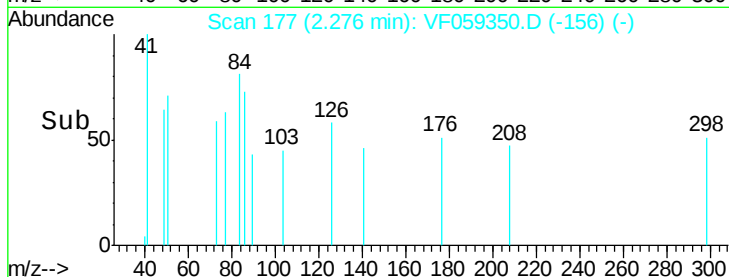
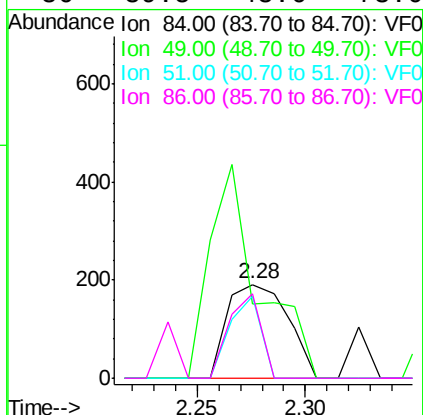
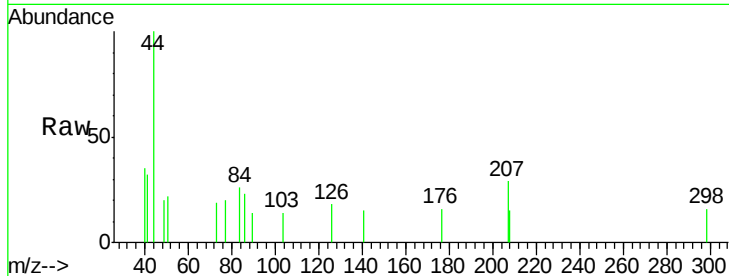




#20
Methvlene Chloride
Concen: 1.263 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

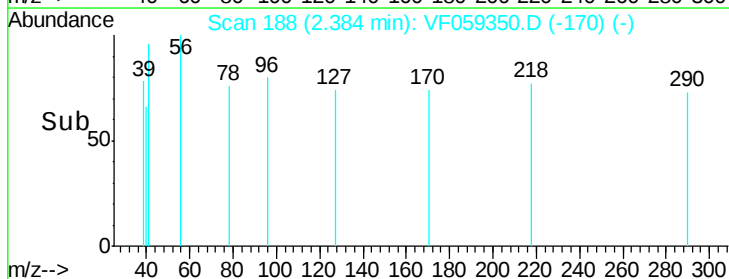
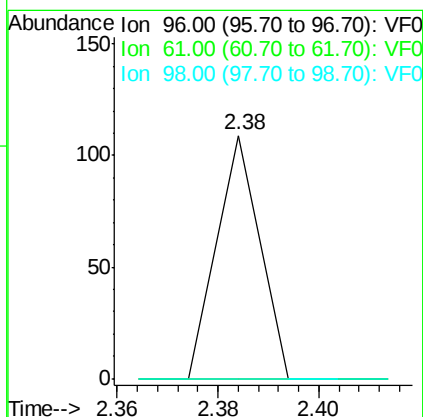
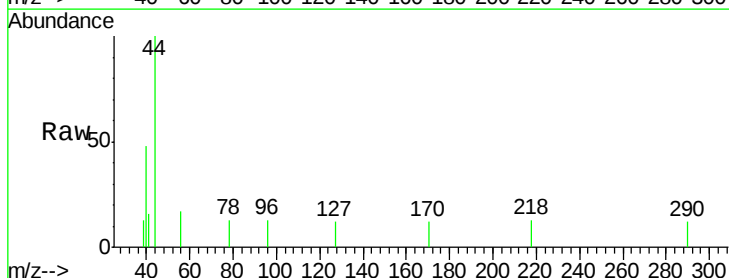
Instrument :
MSVOA_F
ClientSampleId :

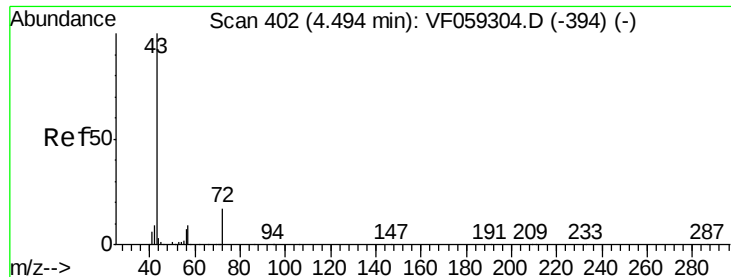
Tot Ion: 84 Resp: 374
Ion Ratio Lower Upper
84 100
49 79.1 126.5 189.7#
51 86.9 42.9 64.3#
86 89.5 48.6 73.0#



#21
trans-1,2-Dichloroethene
Concen: 1.669 ug/l
RT: 2.38 min Scan# 188
Delta R.T. -0.02 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

Tgt Ion: 96 Resp: 64
Ion Ratio Lower Upper
96 100
61 0.0 157.4 236.2#
98 0.0 53.7 80.5#





#25

2-Butanone

Concen: 13.601 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

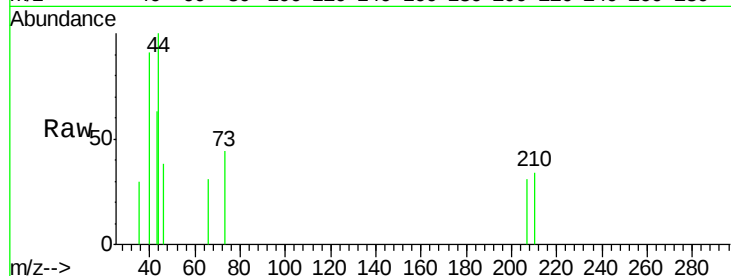
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 386

Ion Ratio Lower Upper

43 100

72 0.0 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.49

250

200

150

100

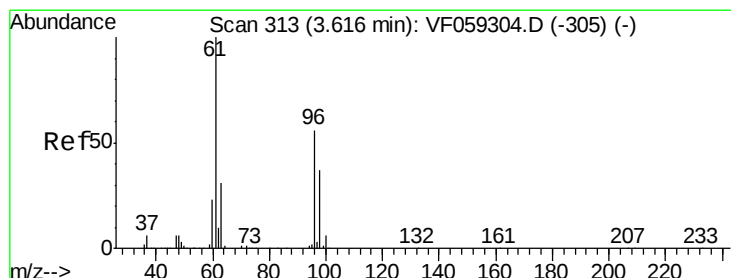
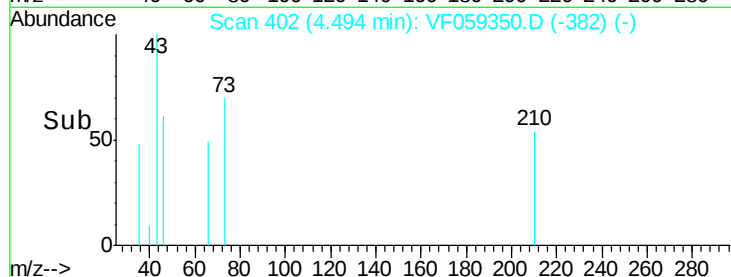
50

0

4.45

4.50

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.426 ug/l

RT: 3.66 min Scan# 317

Delta R.T. 0.04 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

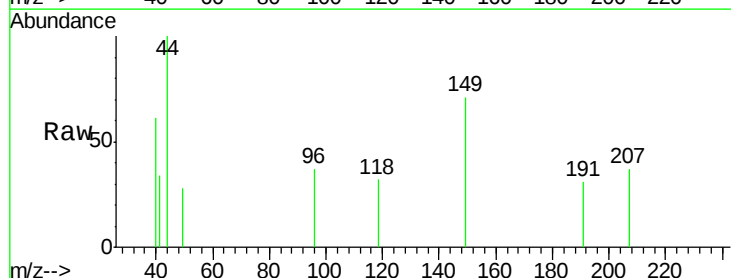
Tgt Ion: 96 Resp: 83

Ion Ratio Lower Upper

96 100

61 0.0 0.0 355.4

98 0.0 0.0 131.0



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

150

100

50

0

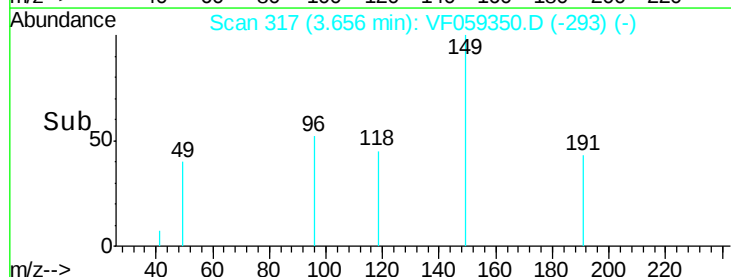
3.62

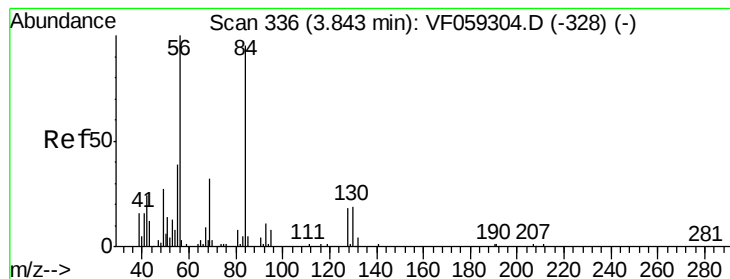
3.64

3.66

3.68

Time-->





#31

Cyclohexane

Concen: 3.114 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.03 min

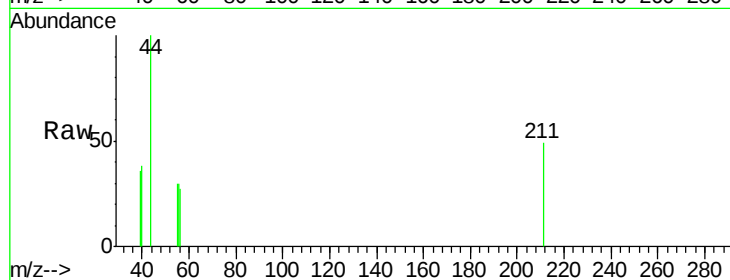
Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

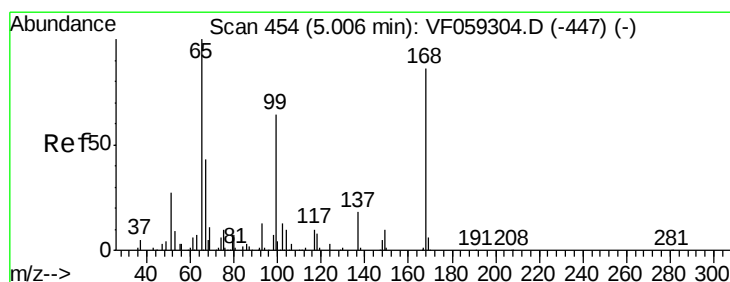
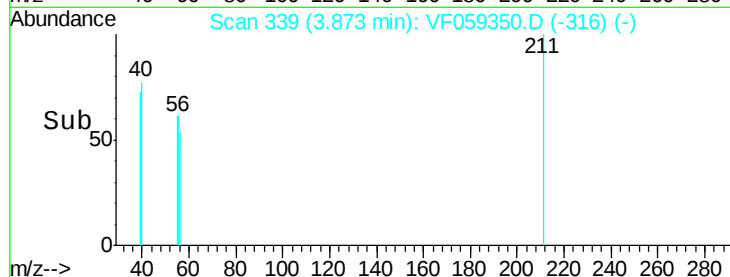
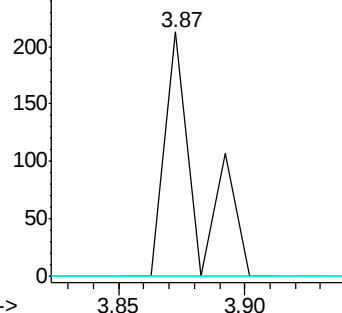
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 189

Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.8	38.8#
84	0.0	75.6	113.4#



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



#33

1,2-Dichloroethane-d4

Concen: 14.231 ug/l

RT: 5.02 min Scan# 455

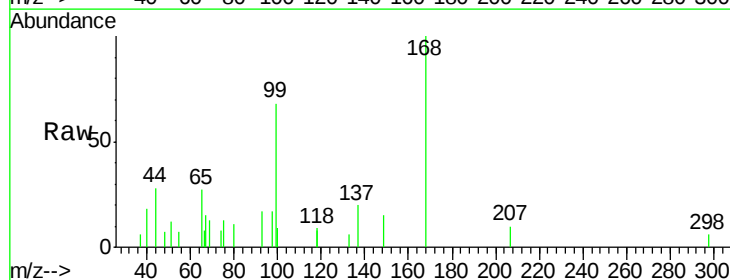
Delta R.T. 0.01 min

Lab File: VF059350.D

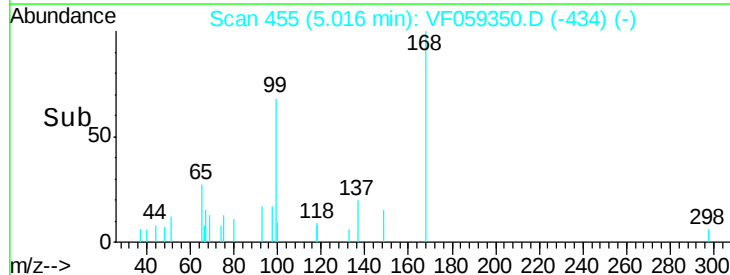
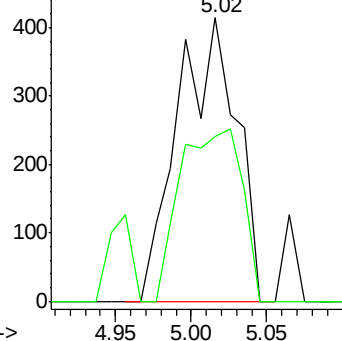
Acq: 27 Jun 2018 20:22

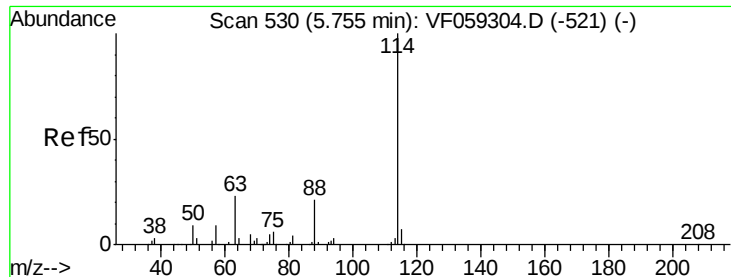
Tgt Ion: 65 Resp: 1121

Ion	Ratio	Lower	Upper
65	100		
67	58.2	0.0	96.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

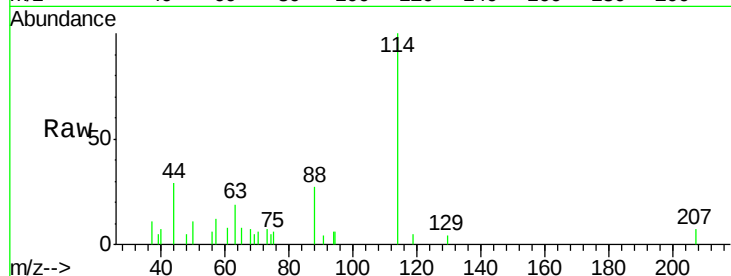
Tot Ion:114 Resp: 6299

Ion Ratio Lower Upper

114 100

63 18.8 0.0 45.8

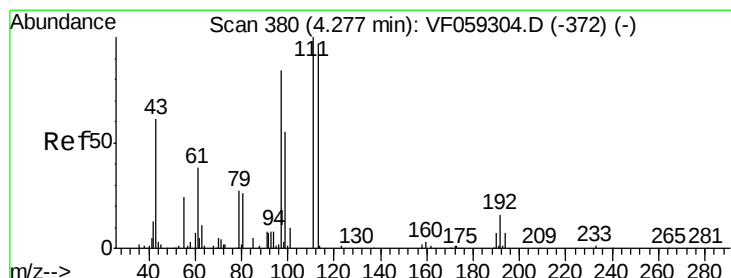
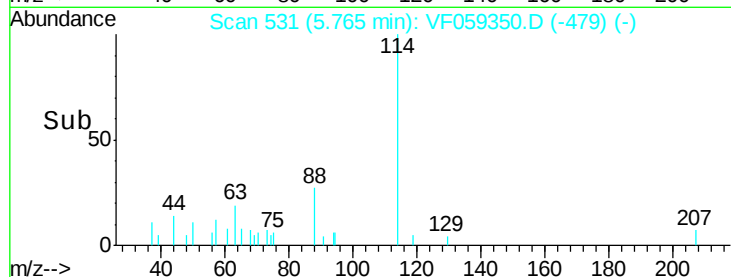
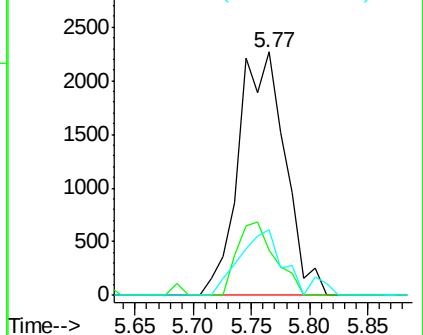
88 26.8 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 36.546 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

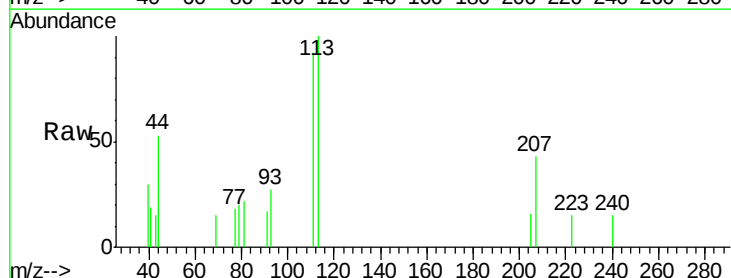
Tgt Ion:113 Resp: 1682

Ion Ratio Lower Upper

113 100

111 91.9 82.1 123.1

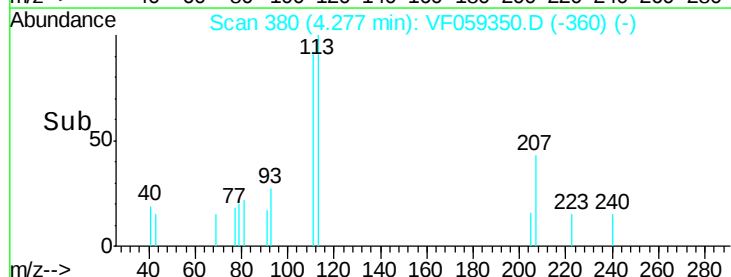
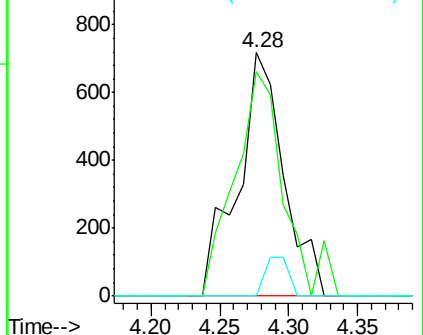
192 0.0 13.0 19.6#

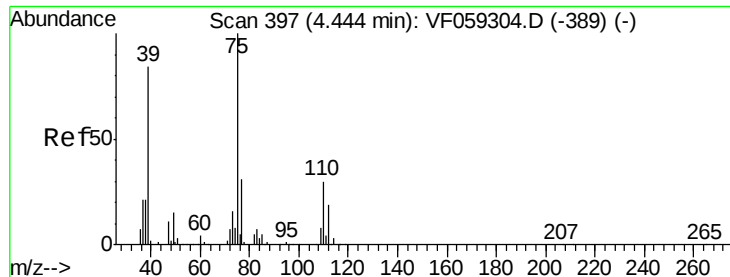


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 1.508 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.01 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

Instrument :

MSVOA_F

ClientSampleId :

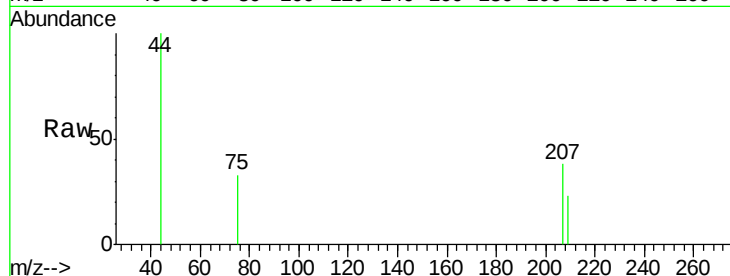
Tot Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

110 0.0 14.8 44.4#

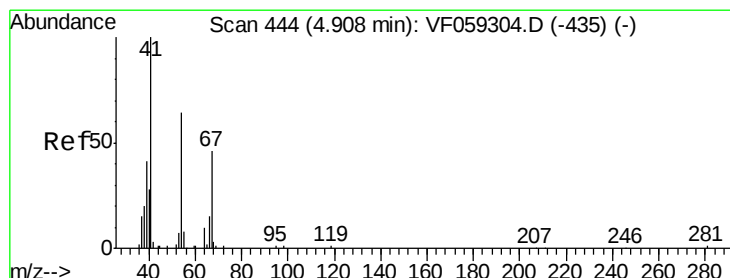
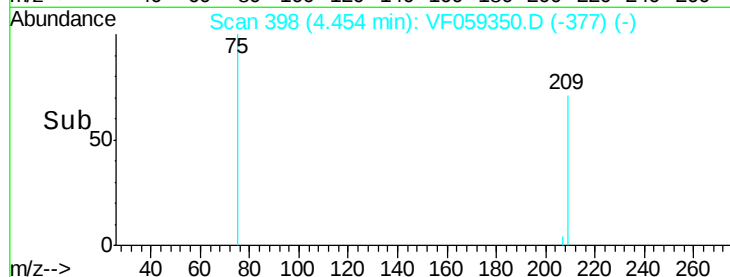
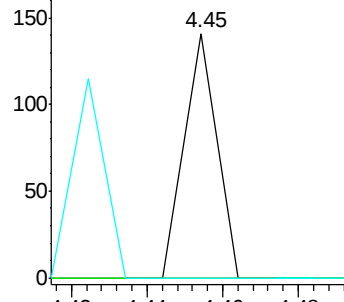
77 0.0 25.2 37.8#



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



#41

Methacrylonitrile

Concen: 3.889 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

Tgt Ion: 41 Resp: 73

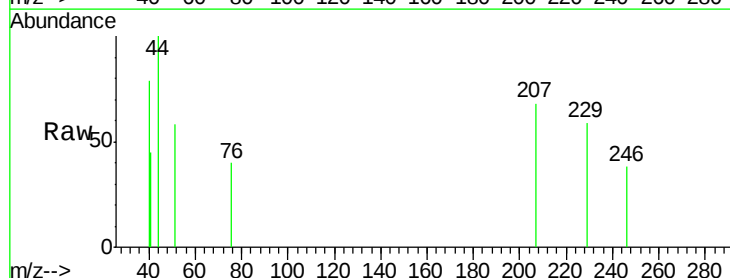
Ion Ratio Lower Upper

41 100

39 0.0 50.0 75.0#

67 0.0 37.0 55.6#

52 0.0 37.1 55.7#

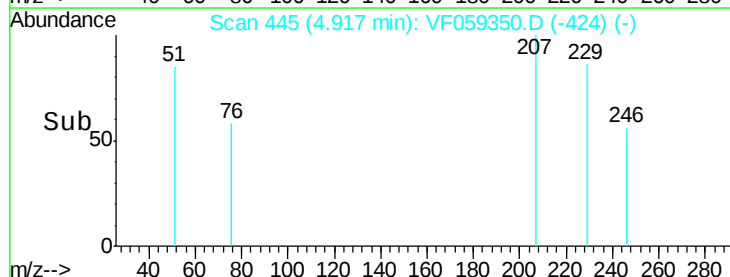
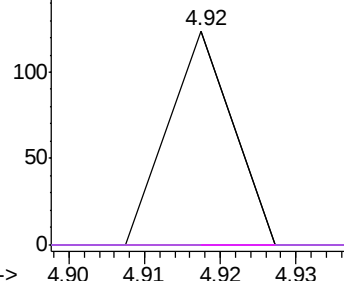


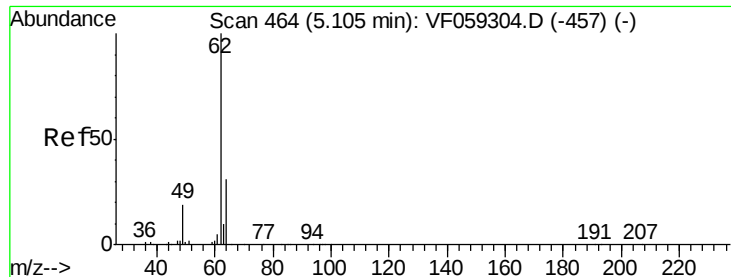
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#42

1,2-Dichloroethane

Concen: 1.024 ug/l

RT: 5.13 min Scan# 467

Delta R.T. 0.03 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

Instrument :

MSVOA_F

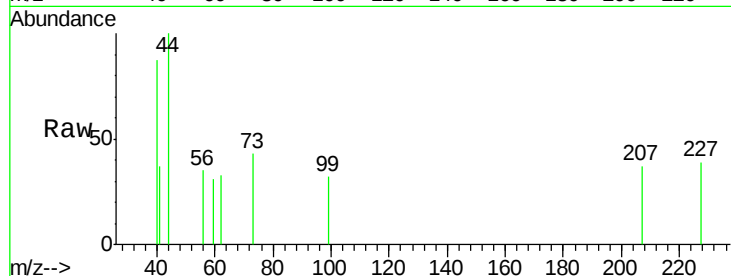
ClientSampled :

Tot Ion: 62 Resp: 73

Ion Ratio Lower Upper

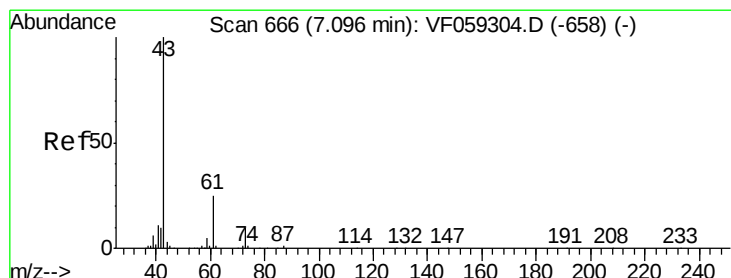
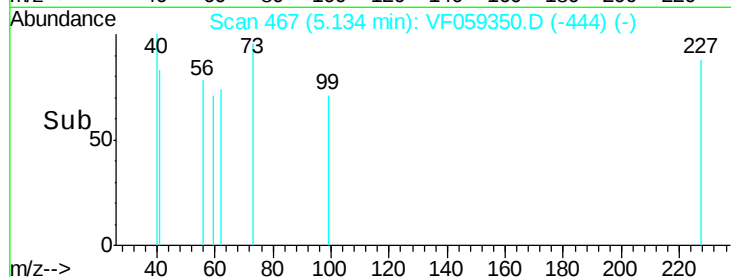
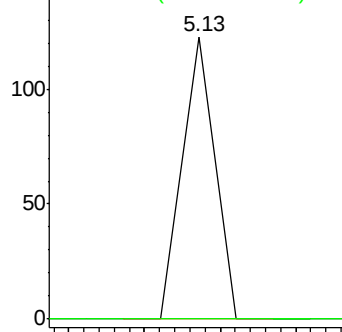
62 100

98 0.0 0.0 11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#43

Isopropyl Acetate

Concen: 8.858 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.03 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

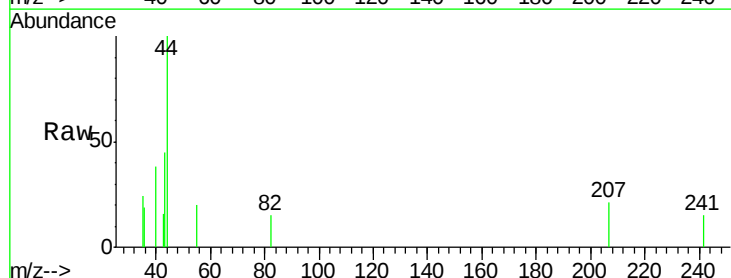
Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

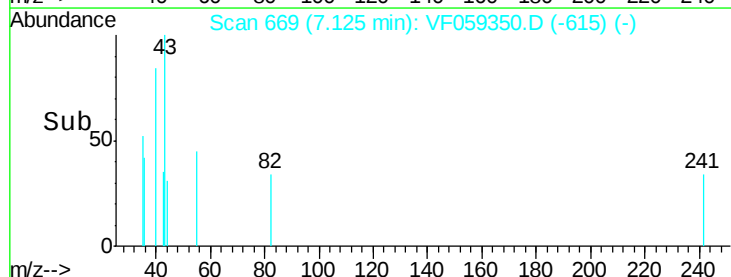
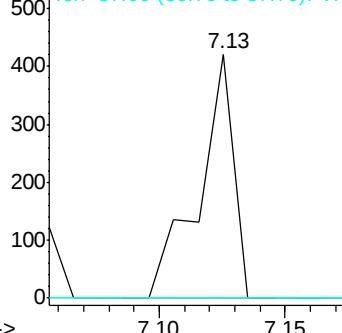
87 0.0 0.5 0.7#

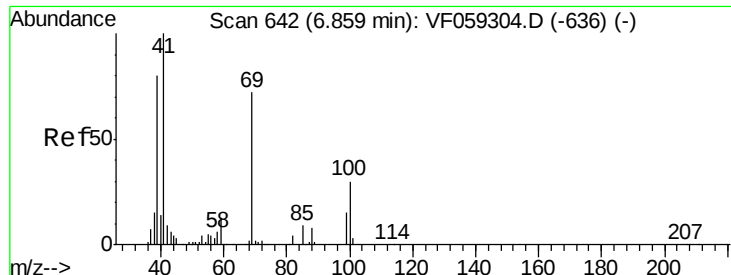


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

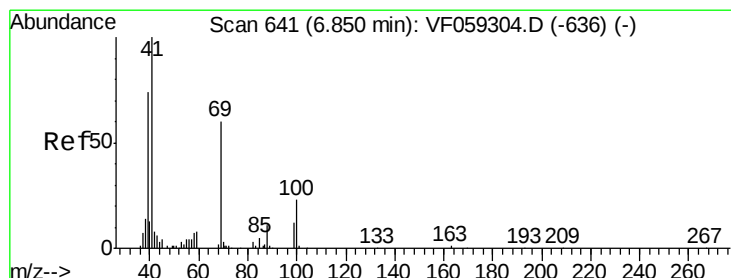
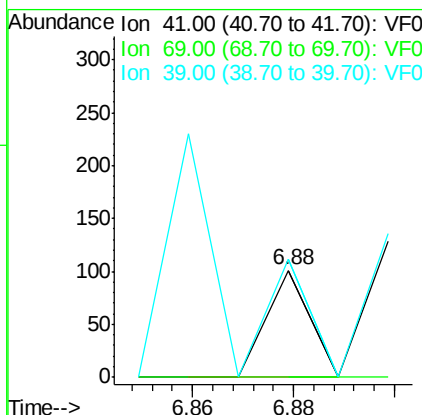
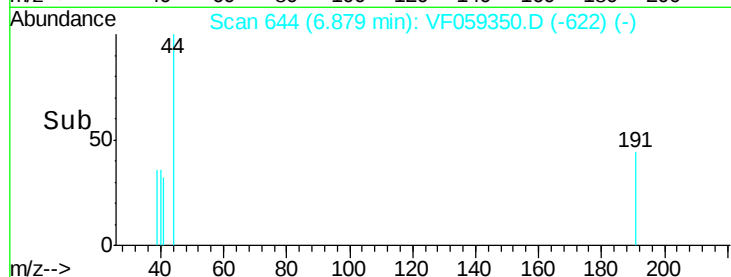
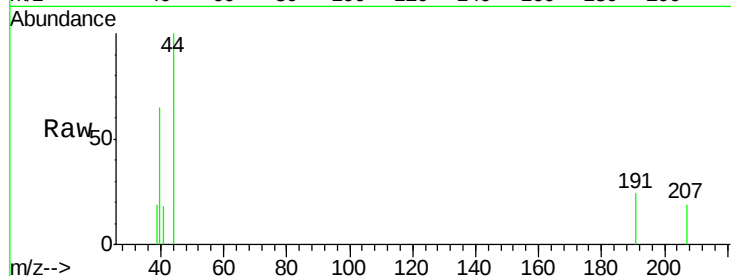




#48
Methvl methacrylate
Concen: 1.953 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

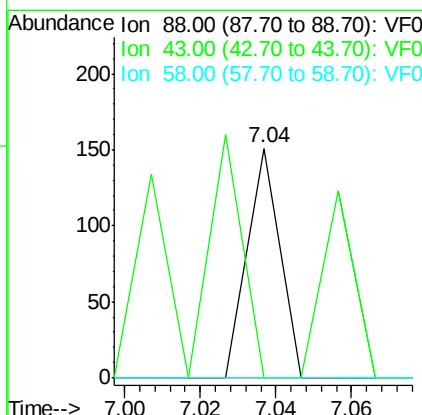
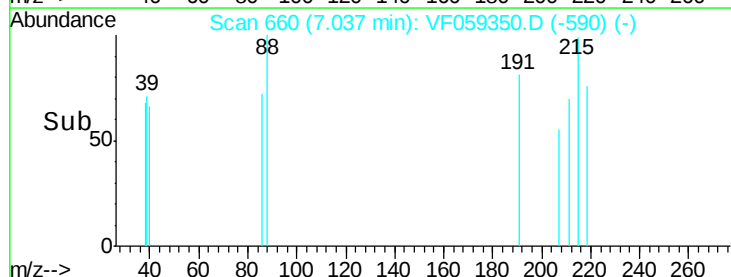
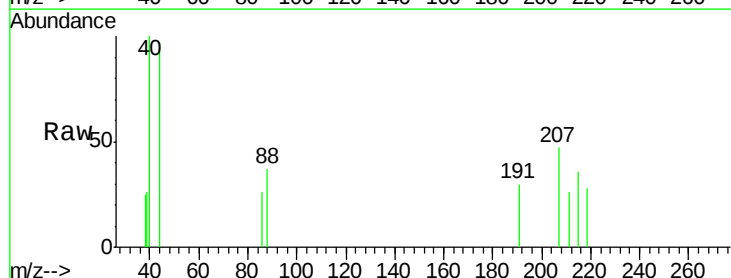
Instrument :
MSVOA_F
ClientSampleId :

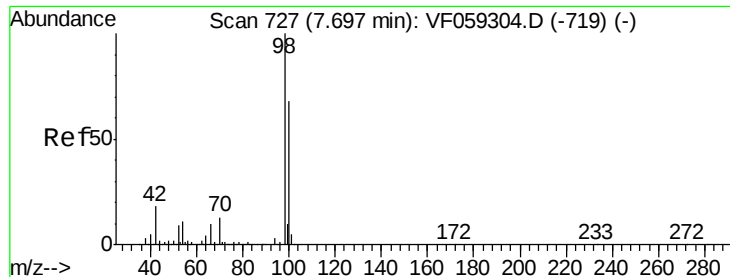
Tot Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
69 0.0 57.3 85.9#
39 109.9 64.4 96.6#



#49
1,4-Dioxane
Concen: 522.687 ug/l
RT: 7.04 min Scan# 660
Delta R.T. 0.19 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 0.0 50.6 75.8#
58 0.0 46.6 69.8#

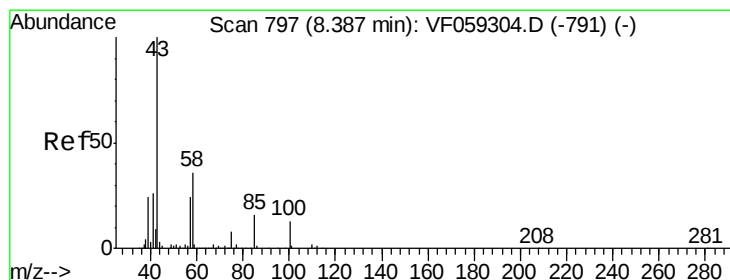
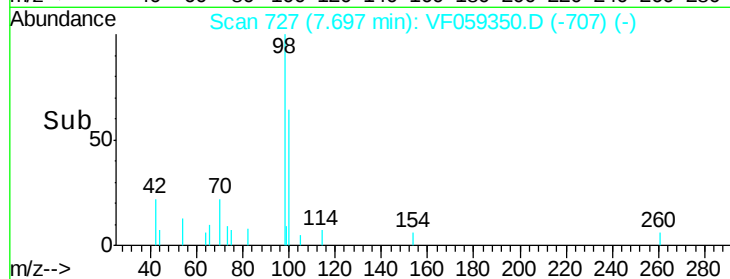
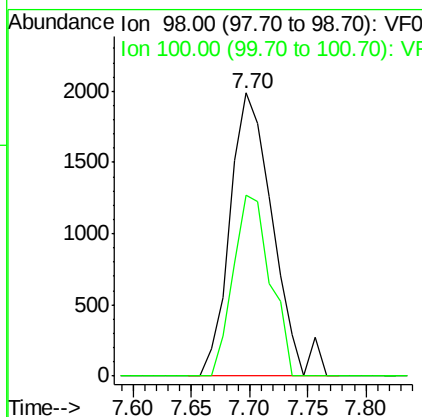
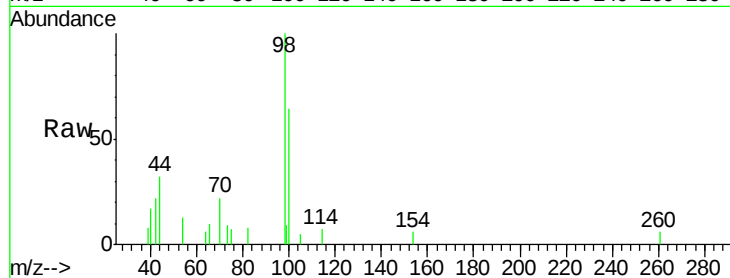




#50
Toluene-d8
Concen: 44.387 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

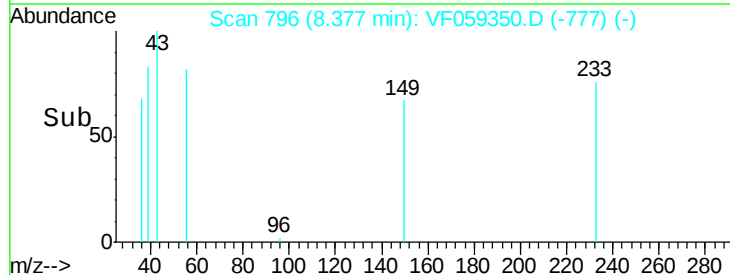
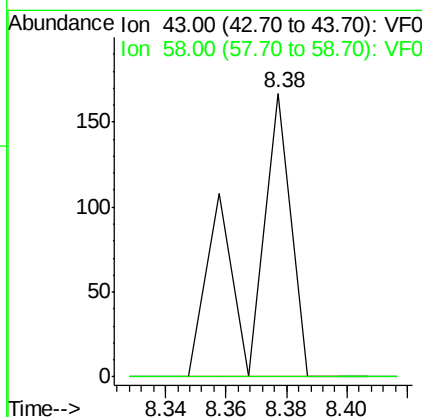
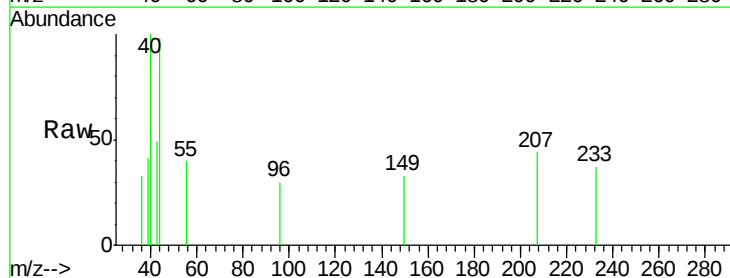
Instrument :
MSVOA_F
ClientSampled :

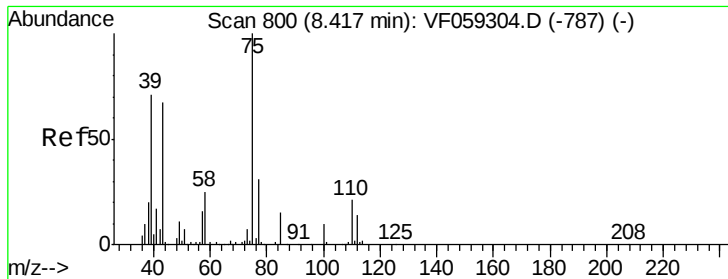
Tot Ion: 98 Resp: 5058
Ion Ratio Lower Upper
98 100
100 64.1 54.6 82.0



#51
4-Methyl-2-Pentanone
Concen: 4.800 ug/l
RT: 8.38 min Scan# 796
Delta R.T. -0.01 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

Tgt Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#





#53

t-1,3-Dichloropropene

Concen: 1.019 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

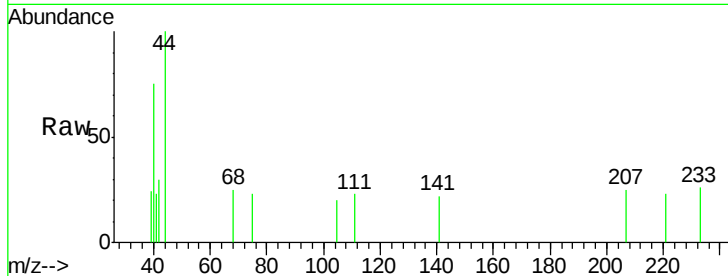
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 68

Ion Ratio Lower Upper

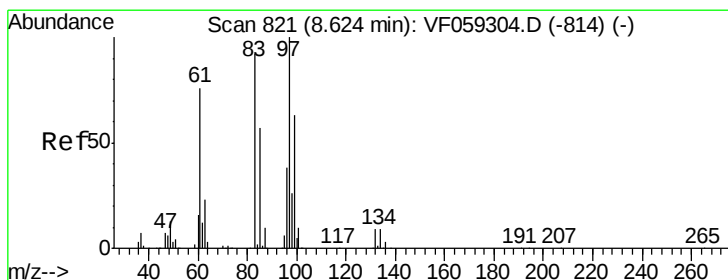
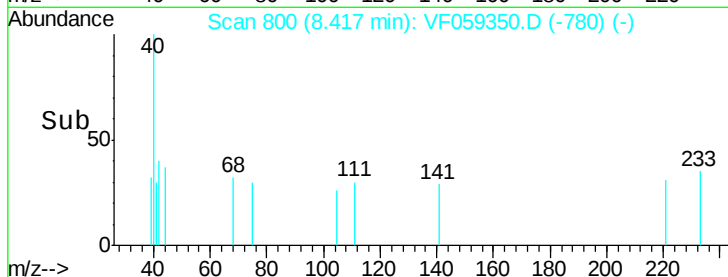
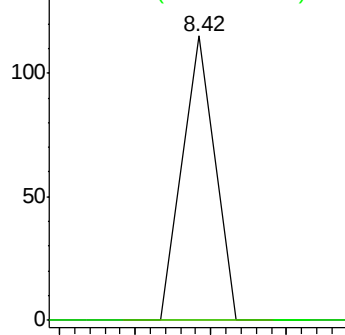
75 100

77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#55

1,1,2-Trichloroethane

Concen: 1.777 ug/l

RT: 8.58 min Scan# 817

Delta R.T. -0.04 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

Tgt Ion: 97 Resp: 63

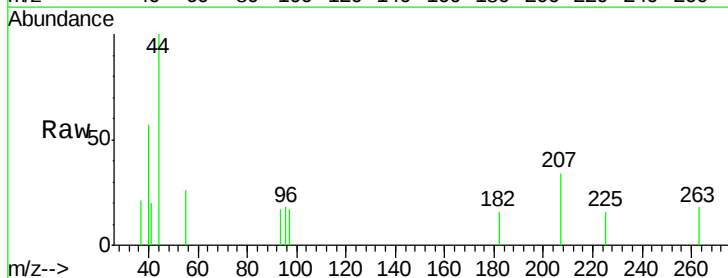
Ion Ratio Lower Upper

97 100

83 0.0 73.8 110.8#

85 0.0 45.5 68.3#

99 0.0 50.7 76.1#

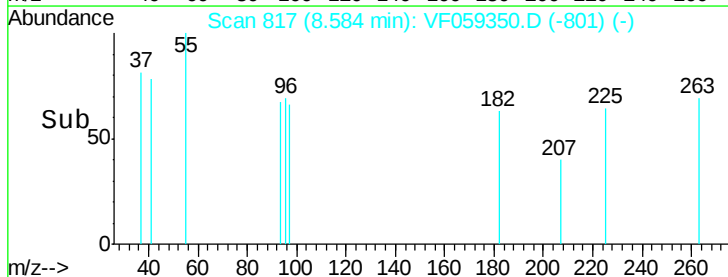
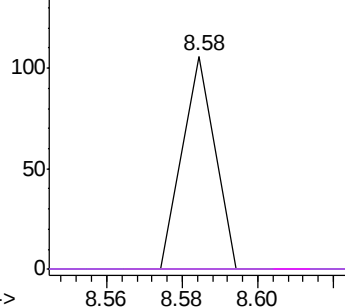


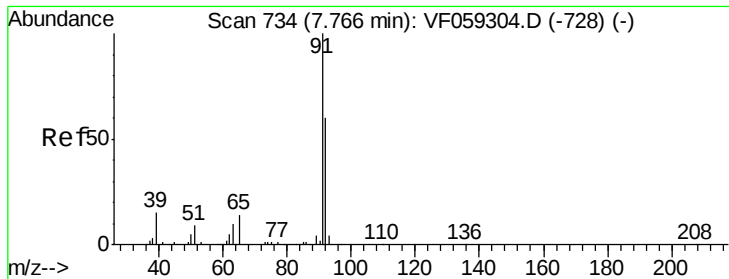
Abundance Ion 97.00 (96.70 to 97.70): VF0

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





#58

2-Chloroethyl Vinyl ether

Concen: 40.993 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

Instrument :

MSVOA_F

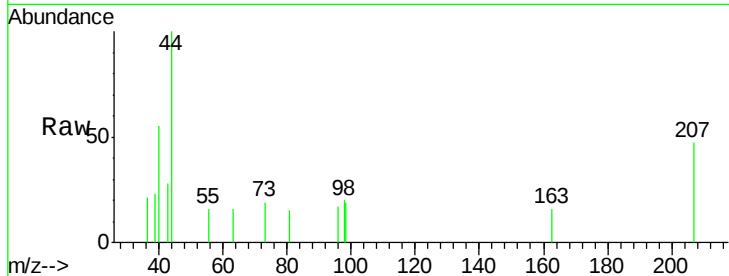
ClientSampleId :

Tot Ion: 63 Resp: 135

Ion Ratio Lower Upper

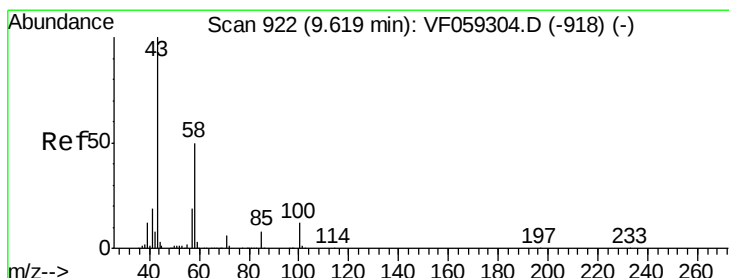
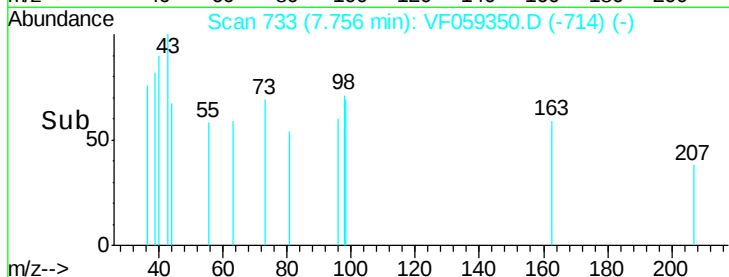
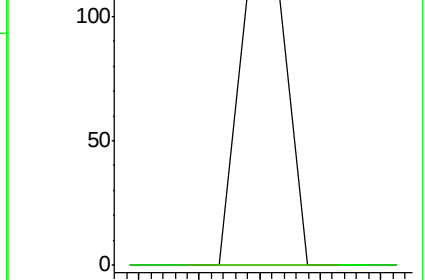
63 100

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



#59

2-Hexanone

Concen: Below Cal

RT: 9.64 min Scan# 924

Delta R.T. 0.02 min

Lab File: VF059350.D

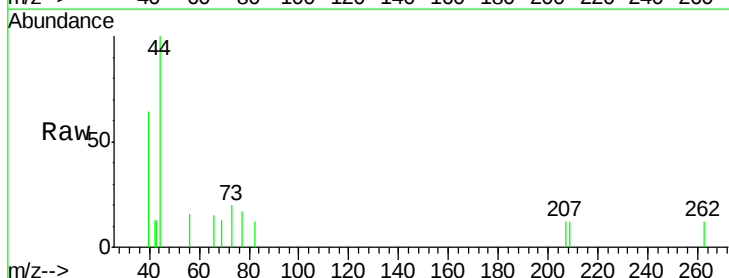
Acq: 27 Jun 2018 20:22

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

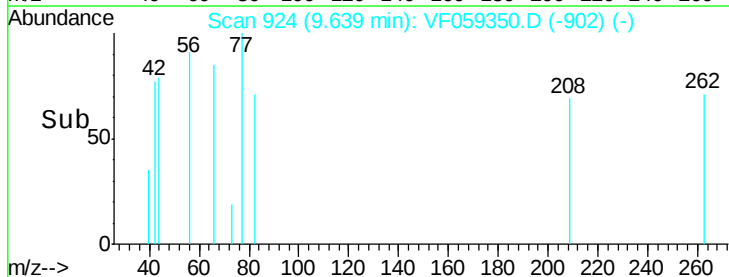
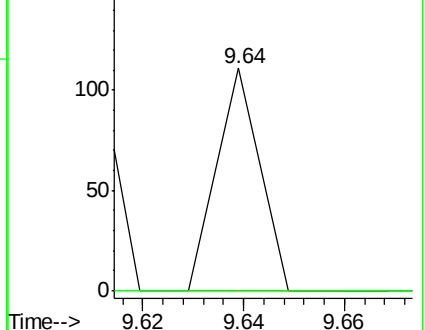
43 100

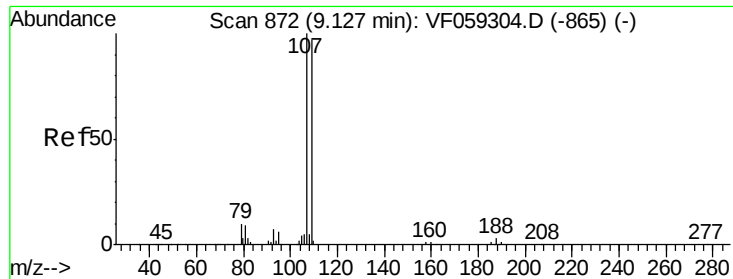
58 0.0 23.3 69.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#61

1,2-Dibromoethane

Concen: 1.372 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.03 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

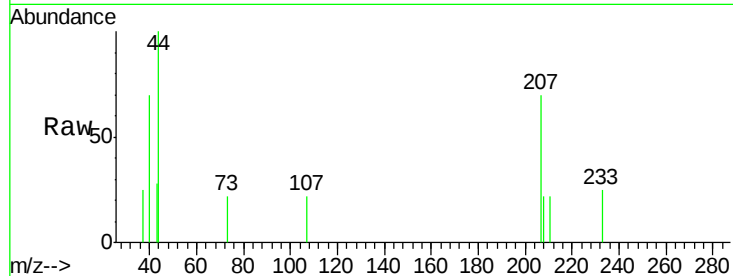
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 107 Resp: 59

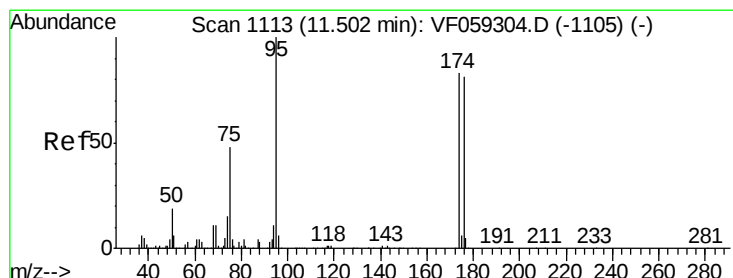
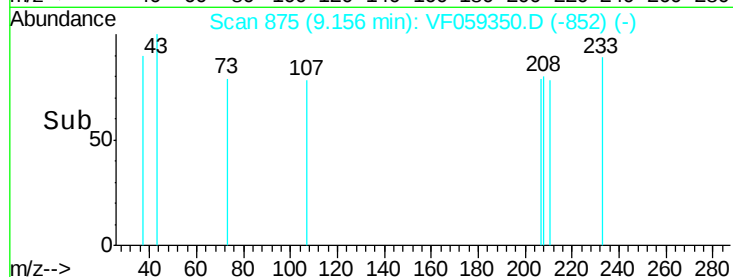
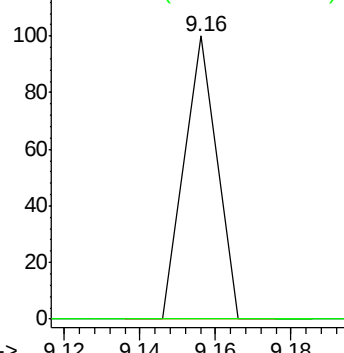
Ion Ratio Lower Upper

107 100

109 0.0 77.3 115.9#



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 20.286 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

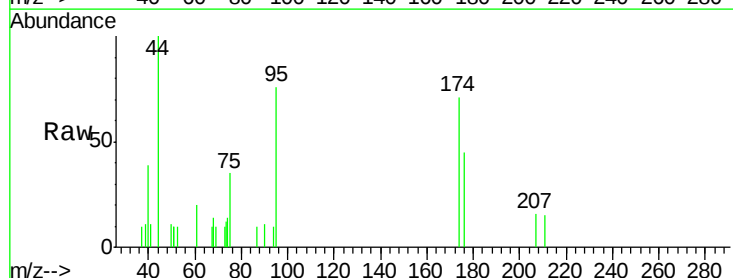
Tgt Ion: 95 Resp: 1304

Ion Ratio Lower Upper

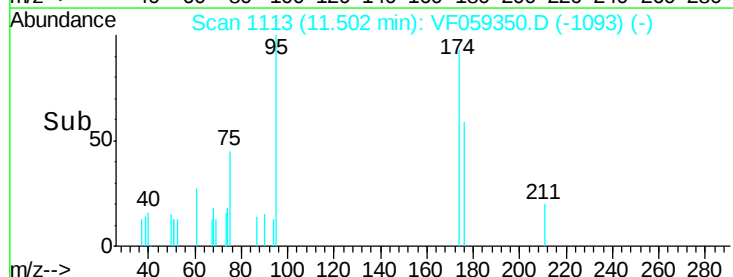
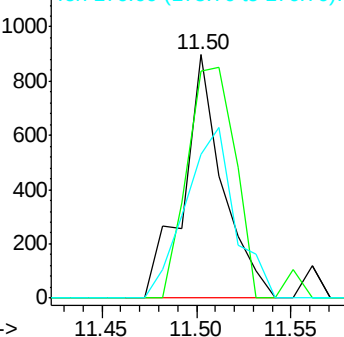
95 100

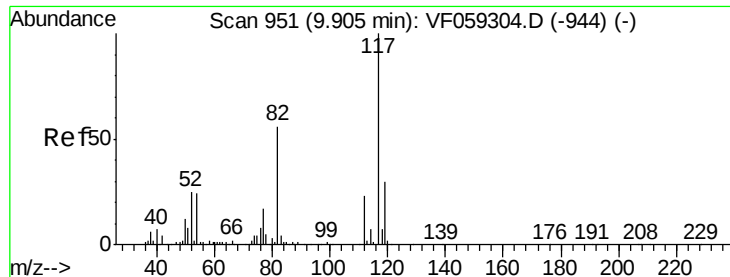
174 93.3 0.0 165.2

176 58.8 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

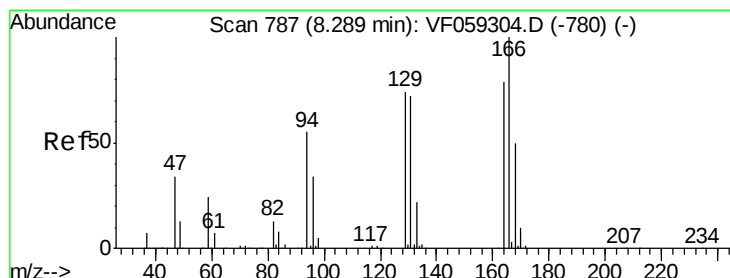
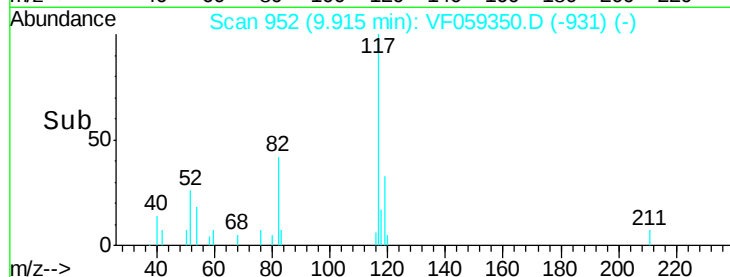
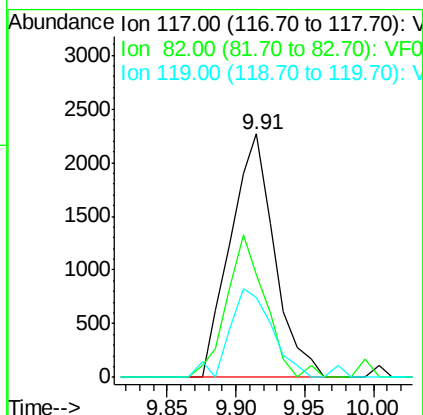
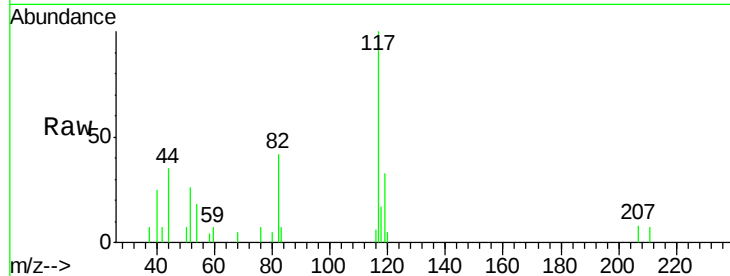




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

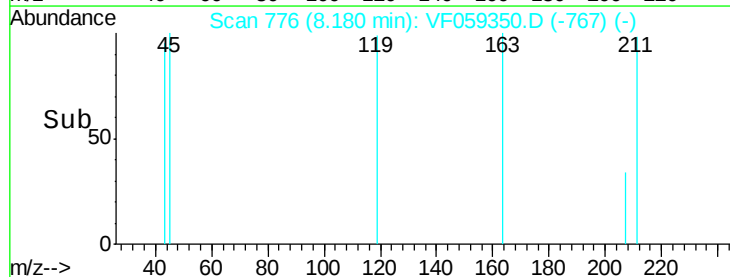
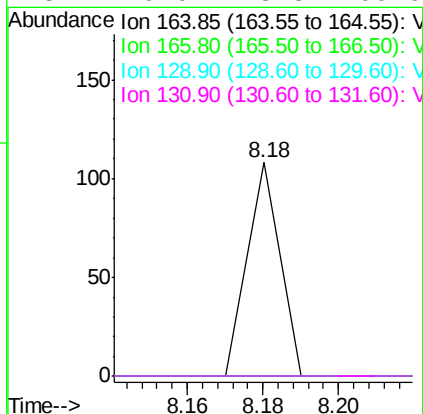
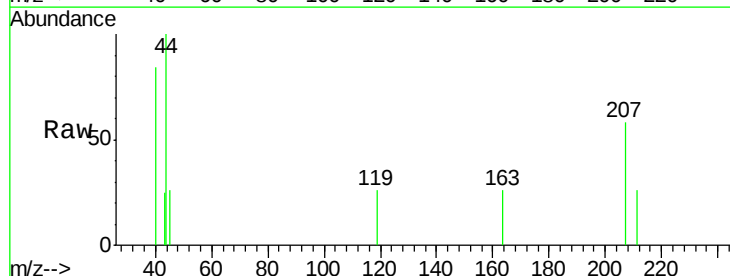
Instrument :
MSVOA_F
ClientSampleId :

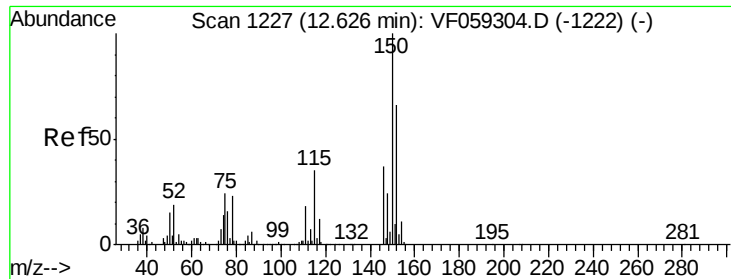
Tot Ion:117 Resp: 5039
Ion Ratio Lower Upper
117 100
82 42.0 44.6 66.8#
119 32.5 24.1 36.1



#64
Tetrachloroethene
Concen: 1.958 ug/l
RT: 8.18 min Scan# 776
Delta R.T. -0.11 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

Tgt Ion:164 Resp: 64
Ion Ratio Lower Upper
164 100
166 0.0 101.1 151.7#
129 0.0 75.0 112.4#
131 0.0 73.3 109.9#



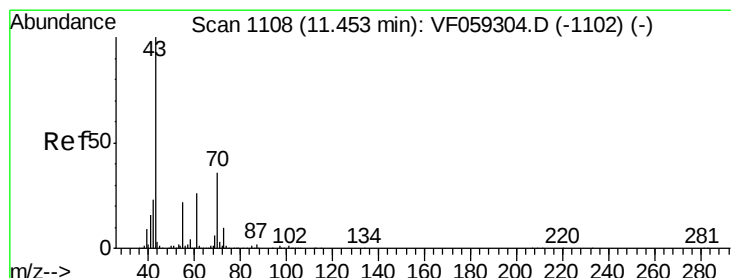
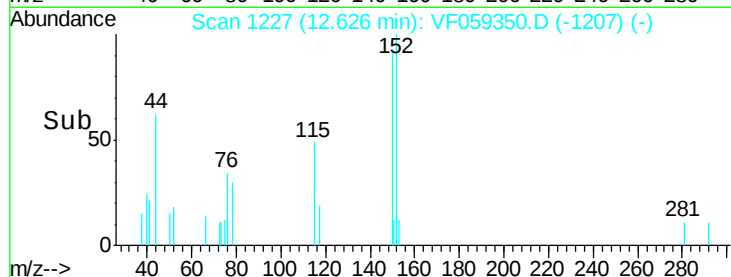
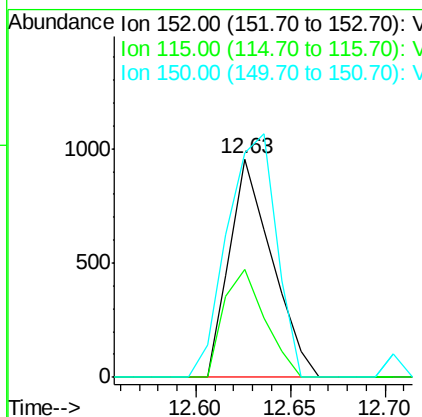
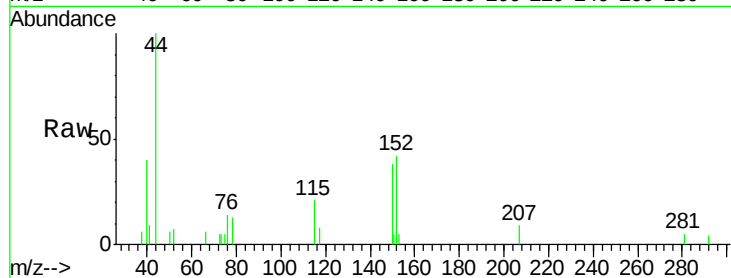


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

Instrument :
MSVOA_F
ClientSampleId :

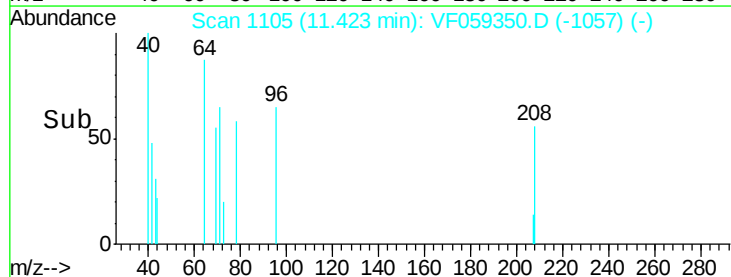
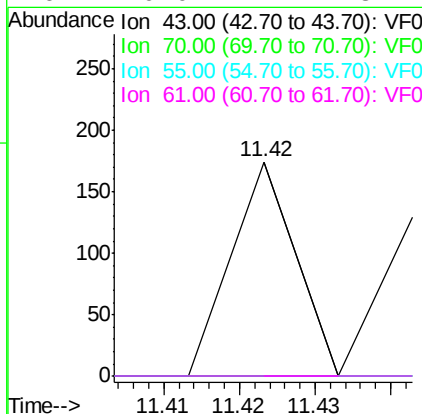
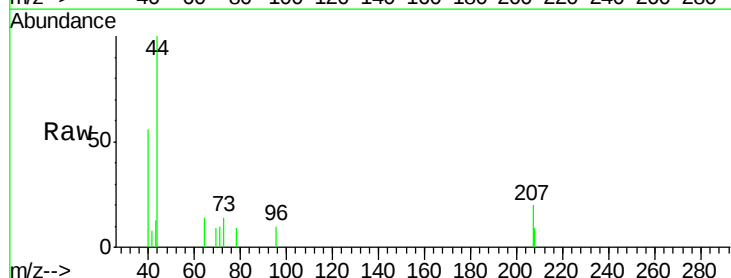
Tot Ion	Ratio	Lower	Upper
152	100		
115	49.3	27.1	81.3
150	102.6	0.0	305.2

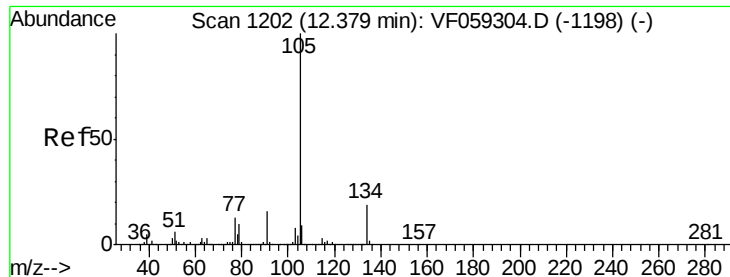


#74

N-ethyl acetate
Concen: 3.270 ug/l
RT: 11.42 min Scan# 1105
Delta R.T. -0.03 min
Lab File: VF059350.D
Acq: 27 Jun 2018 20:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.8	43.2#
55	0.0	17.4	26.0#
61	0.0	21.1	31.7#

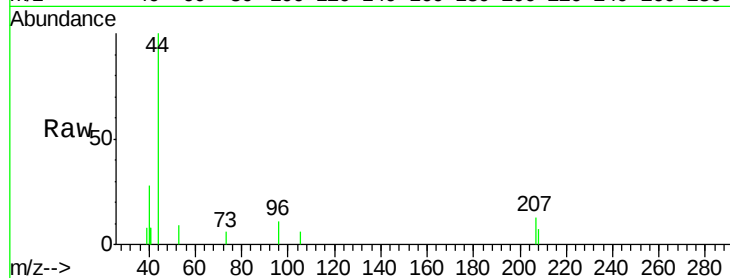




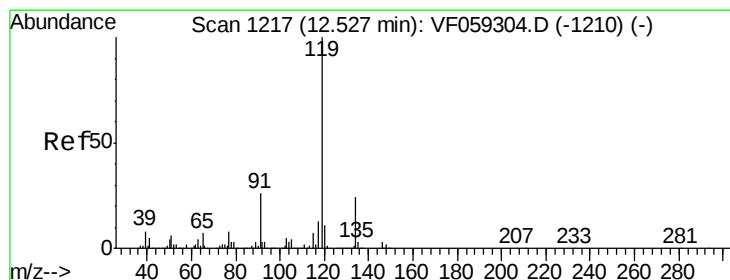
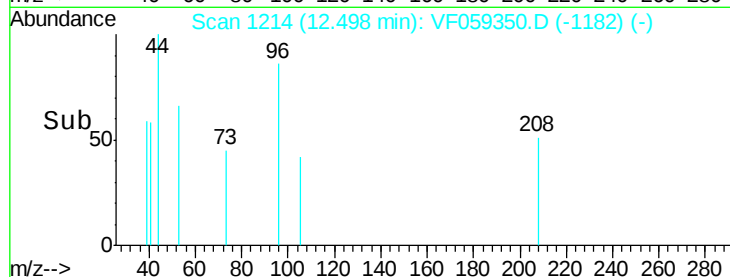
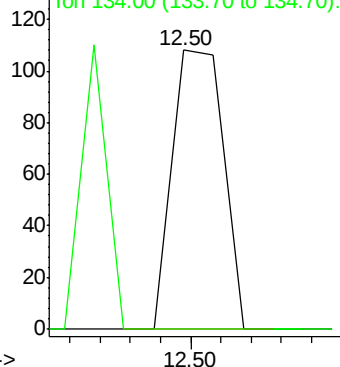
#85
 sec-Butylbenzene
 Concen: 1.260 ug/l
 RT: 12.50 min Scan# 1214
 Delta R.T. 0.12 min
 Lab File: VF059350.D
 Acq: 27 Jun 2018 20:22

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:105 Resp: 127
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.3#

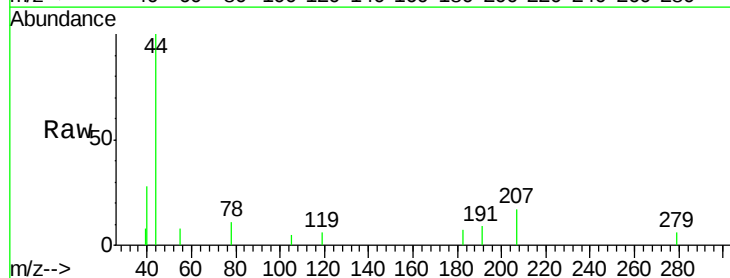


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

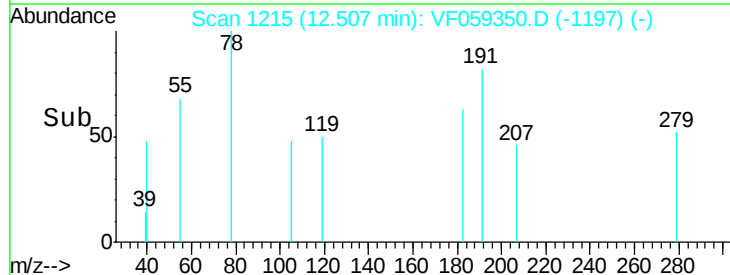
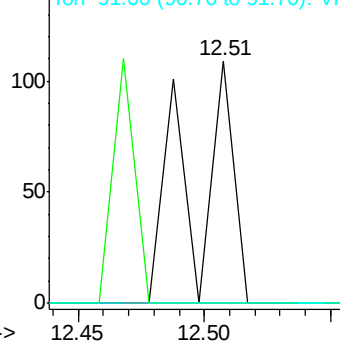


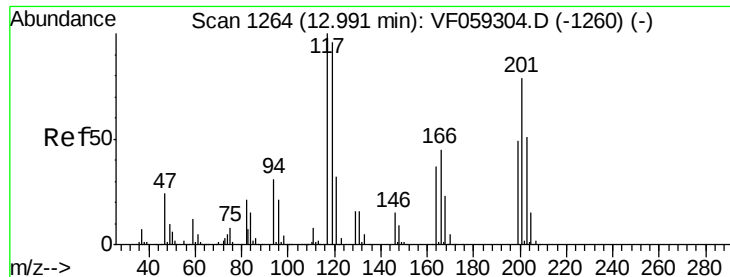
#86
 p-Isopropyltoluene
 Concen: 1.466 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: VF059350.D
 Acq: 27 Jun 2018 20:22

Tgt Ion:119 Resp: 124
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.2 36.4#
 91 0.0 12.9 38.6#



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): VF0





#90

Hexachloroethane

Concen: 2.846 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.08 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

Instrument :

MSVOA_F

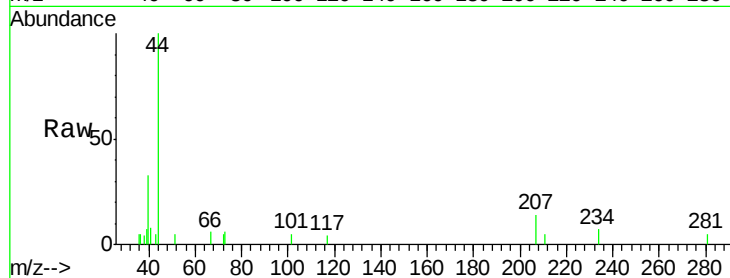
ClientSampled :

Tot Ion:117 Resp: 60

Ion Ratio Lower Upper

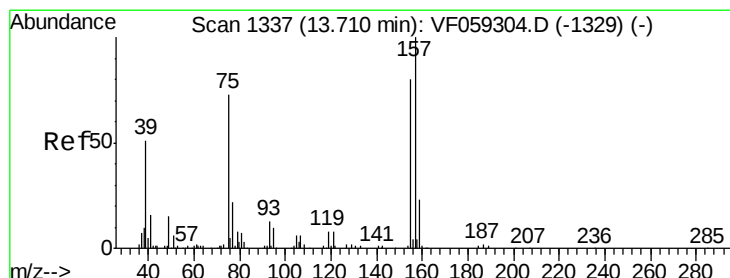
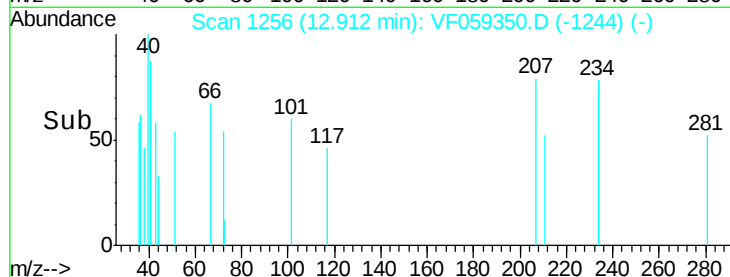
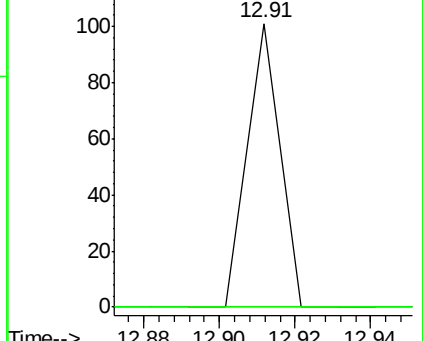
117 100

201 0.0 39.5 118.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.433 ug/l

RT: 13.57 min Scan# 1323

Delta R.T. -0.14 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

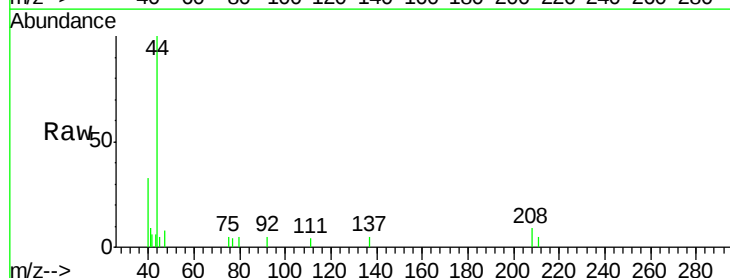
Tgt Ion: 75 Resp: 75

Ion Ratio Lower Upper

75 100

155 0.0 54.6 163.8#

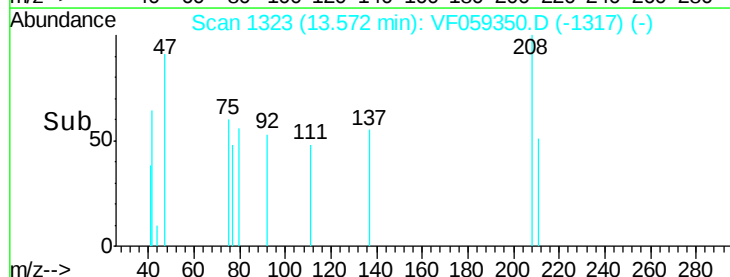
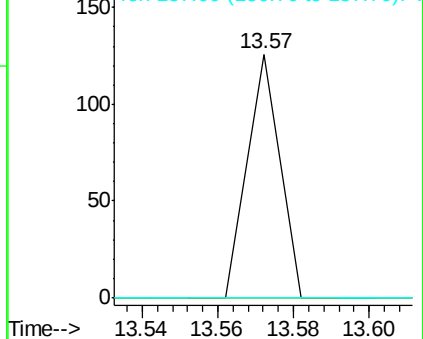
157 0.0 68.7 205.9#

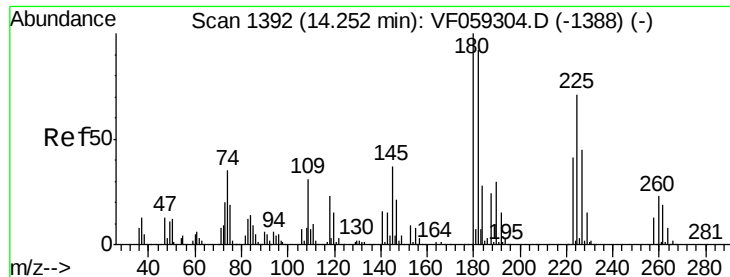


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#94

Hexachlorobutadiene

Concen: 3.710 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.04 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

Instrument :

MSVOA_F

ClientSampled :

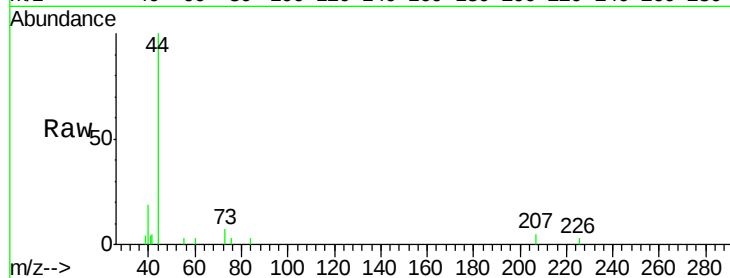
Tot Ion:225 Resp: 67

Ion Ratio Lower Upper

225 100

223 0.0 28.9 86.8#

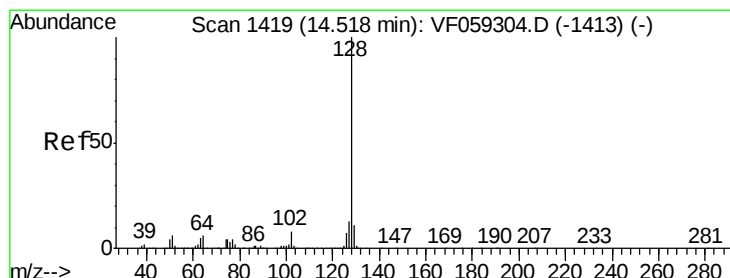
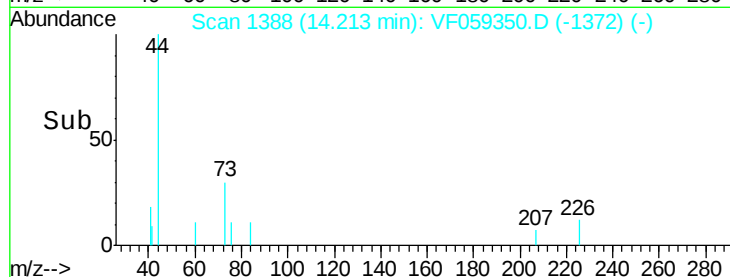
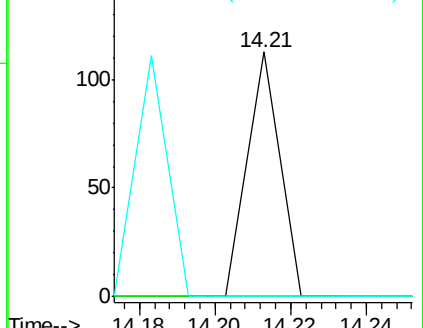
227 0.0 31.3 93.8#



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#95

Naphthalene

Concen: 1.878 ug/l

RT: 14.47 min Scan# 1414

Delta R.T. -0.05 min

Lab File: VF059350.D

Acq: 27 Jun 2018 20:22

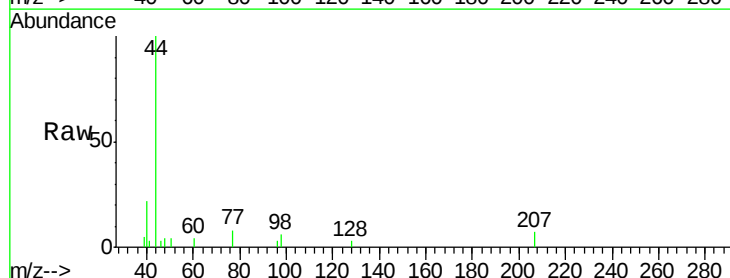
Tgt Ion:128 Resp: 127

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.8 13.2#



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

