

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060410.D
 Acq On : 2 Oct 2018 18:55
 Operator : VA/AP
 Sample : J5171-01RE
 Misc : 5.01/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 KR-RO-VNJ-221

Quant Time: Oct 03 02:35:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	216740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	390792	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	323475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	158045	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	172911	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
35) Dibromofluoromethane	4.27	113	193872	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
50) Toluene-d8	7.69	98	370047	40.93	ug/l	0.00
Spiked Amount			Recovery	=	81.86%	
62) 4-Bromofluorobenzene	11.49	95	163842	39.69	ug/l	0.00
Spiked Amount			Recovery	=	79.38%	

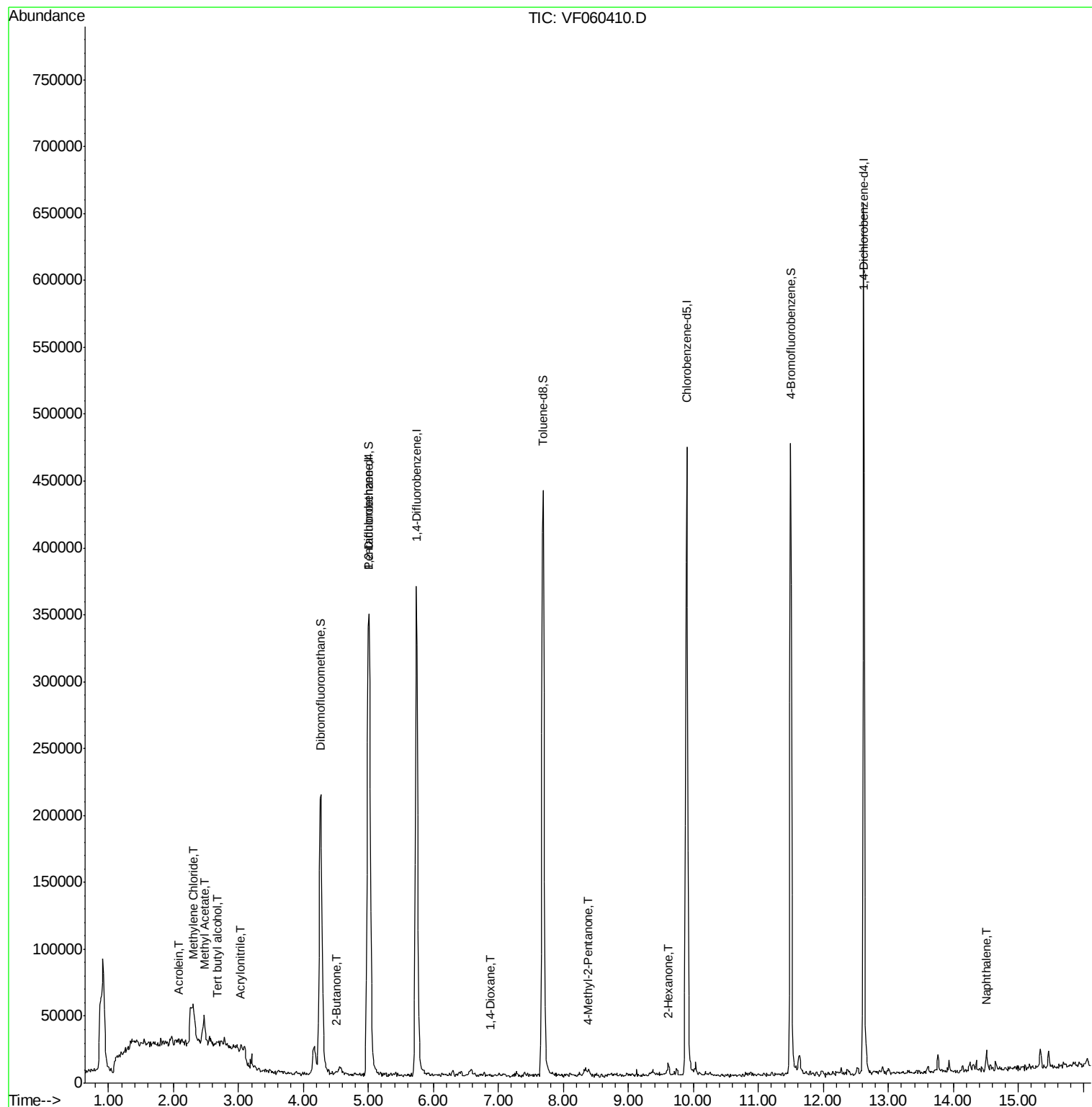
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	822	Below Cal	#	43
11) Tert butyl alcohol	2.66	59	1812	8.833	ug/l #	1
13) Acrolein	2.09	56	393	2.382	ug/l #	33
15) Acrylonitrile	3.04	53	530	1.508	ug/l #	50
16) Acetone	2.24	43	1706	Below Cal		93
18) Methyl Acetate	2.46	43	14102	9.628	ug/l #	68
20) Methylene Chloride	2.30	84	28924	6.882	ug/l #	80
25) 2-Butanone	4.50	43	2438	2.776	ug/l #	84
29) Tetrahydrofuran	4.21	42	666	Below Cal	#	73
49) 1,4-Dioxane	6.87	88	150	10.869	ug/l #	4
51) 4-Methyl-2-Pentanone	8.39	43	4645	2.927	ug/l	99
59) 2-Hexanone	9.62	43	7397	6.354	ug/l	81
95) Naphthalene	14.51	128	6956	1.038	ug/l #	84

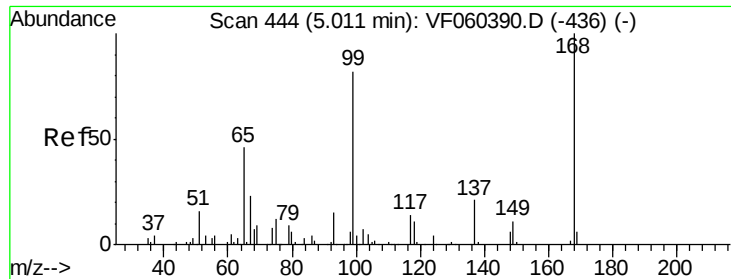
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100218\
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060410.D

Acq: 2 Oct 2018 18:55

Instrument :

MSVOA_F

ClientSampleId :

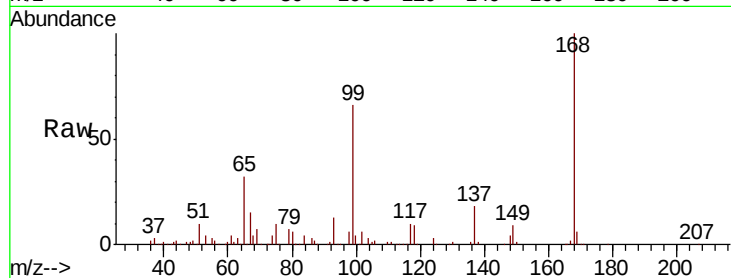
KR-RO-VNJ-221

Tot Ion:168 Resp: 216740

Ion Ratio Lower Upper

168 100

99 66.2 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

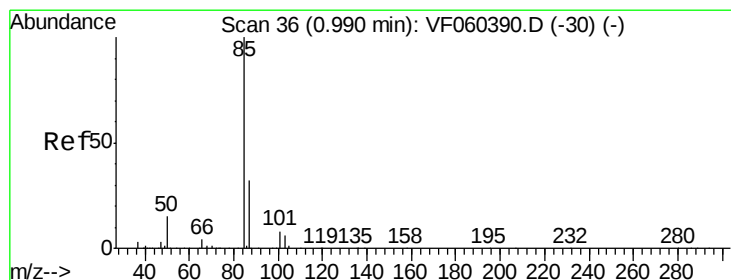
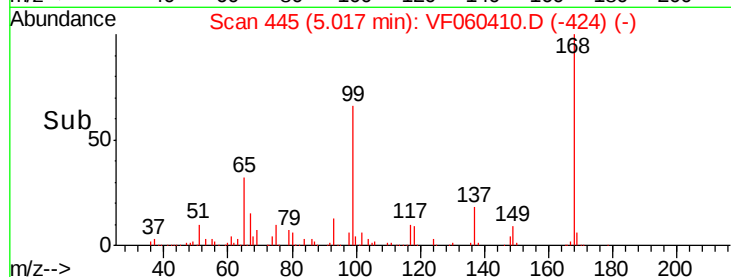
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060410.D

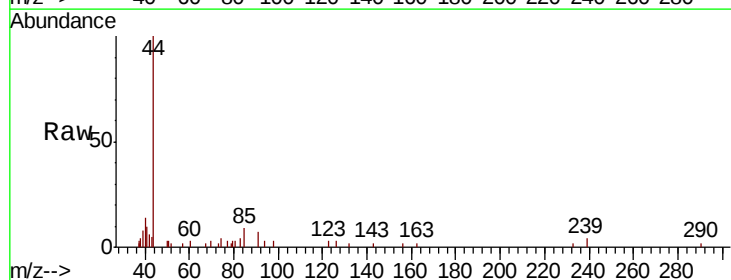
Acq: 2 Oct 2018 18:55

Tgt Ion: 85 Resp: 822

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

500

400

300

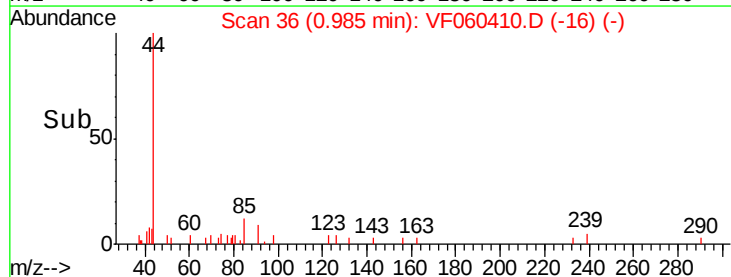
200

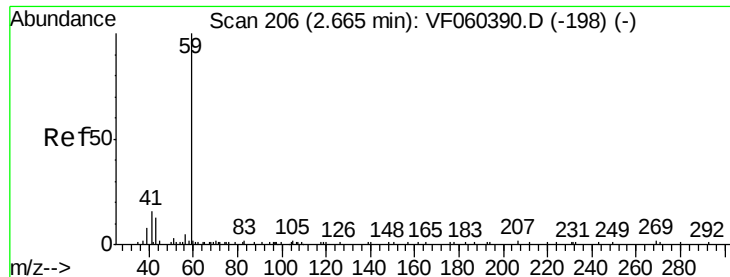
100

0

0.90 0.95 1.00 1.05

Time-->

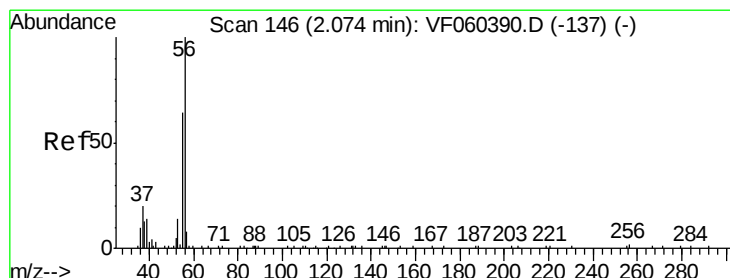
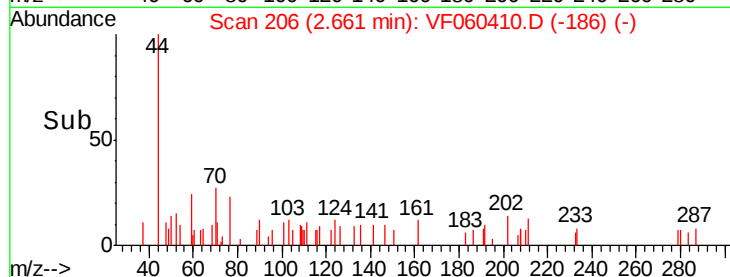
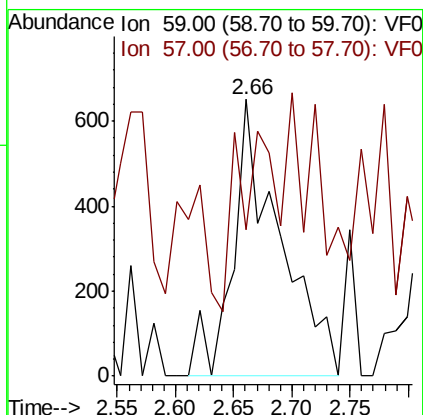
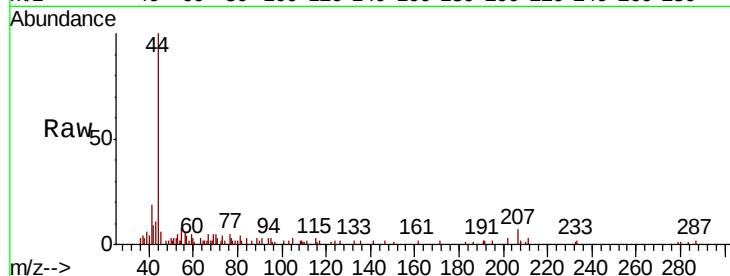




#11
Tert butyl alcohol
Concen: 8.833 ug/l
RT: 2.66 min Scan# 206
Delta R.T. -0.00 min
Lab File: VF060410.D
Acq: 2 Oct 2018 18:55

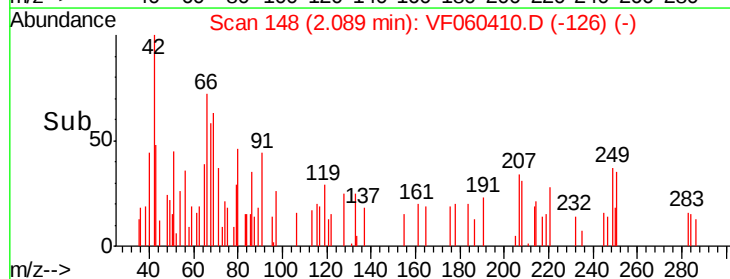
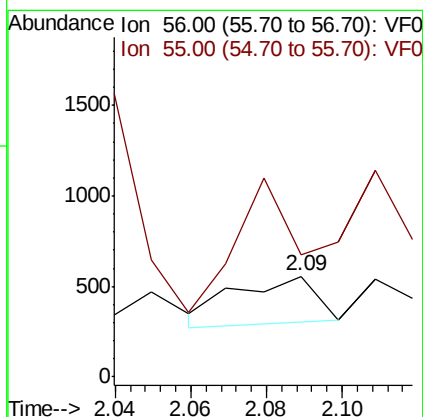
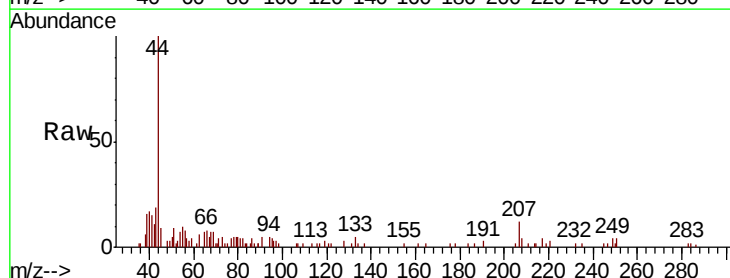
Instrument :
MSVOA_F
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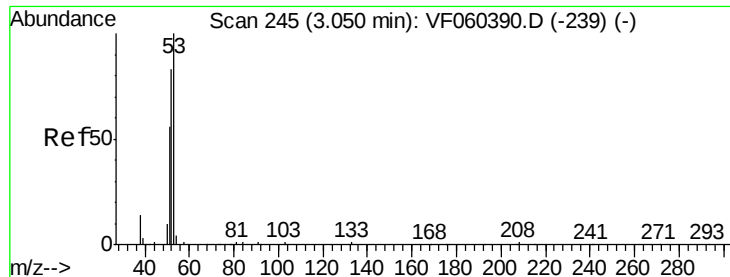
Tot Ion: 59 Resp: 1812
Ion Ratio Lower Upper
59 100
57 52.8 6.5 9.7#



#13
Acrolein
Concen: 2.382 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.02 min
Lab File: VF060410.D
Acq: 2 Oct 2018 18:55

Tgt Ion: 56 Resp: 393
Ion Ratio Lower Upper
56 100
55 121.4 53.9 80.9#





#15

Acrylonitrile

Concen: 1.508 ug/l

RT: 3.04 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF060410.D

Acq: 2 Oct 2018 18:55

Instrument :

MSVOA_F

ClientSampleId :

KR-RO-VNJ-221

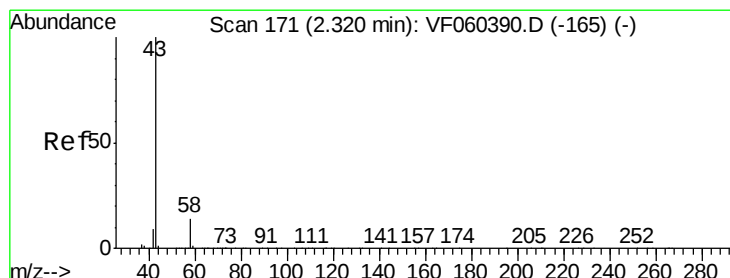
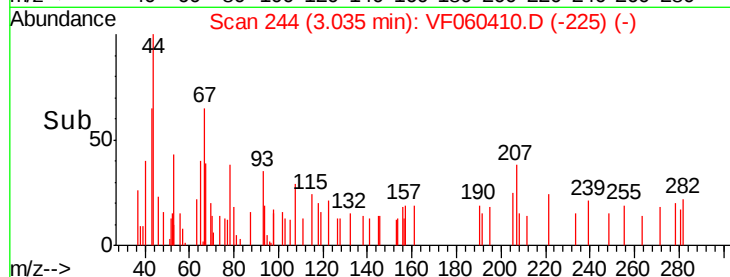
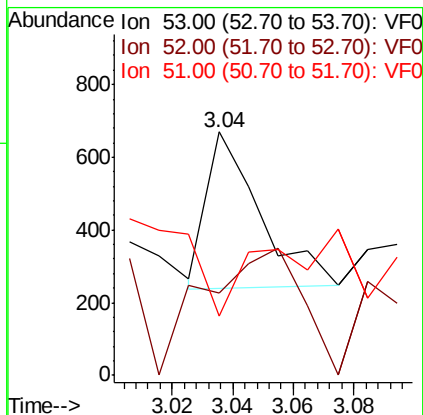
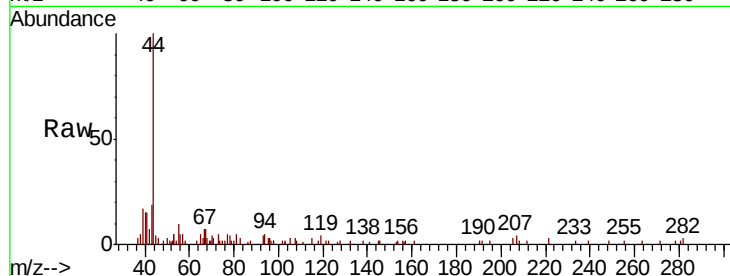
Tot Ion: 53 Resp: 530

Ion Ratio Lower Upper

53 100

52 33.7 66.0 99.0#

51 24.6 45.6 68.4#



#16

Acetone

Concen: Below Cal

RT: 2.24 min Scan# 163

Delta R.T. -0.08 min

Lab File: VF060410.D

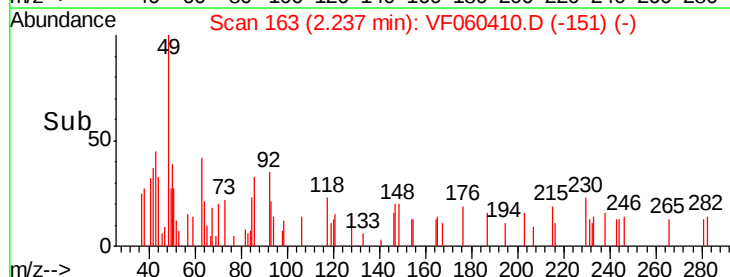
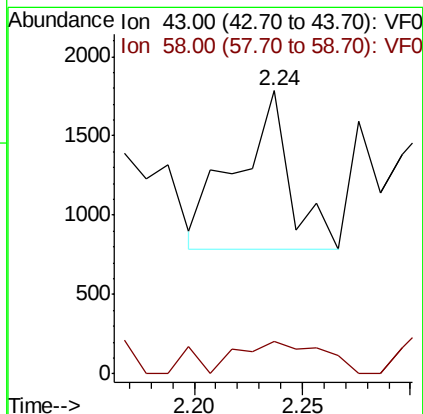
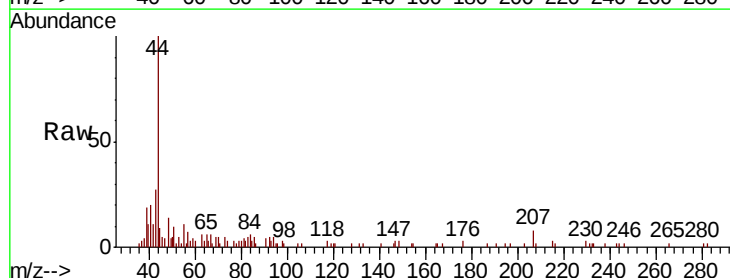
Acq: 2 Oct 2018 18:55

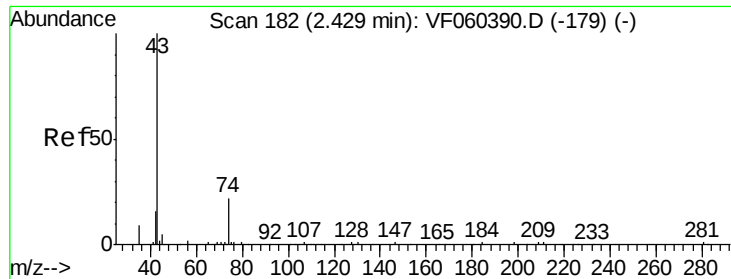
Tgt Ion: 43 Resp: 1706

Ion Ratio Lower Upper

43 100

58 11.3 11.2 16.8

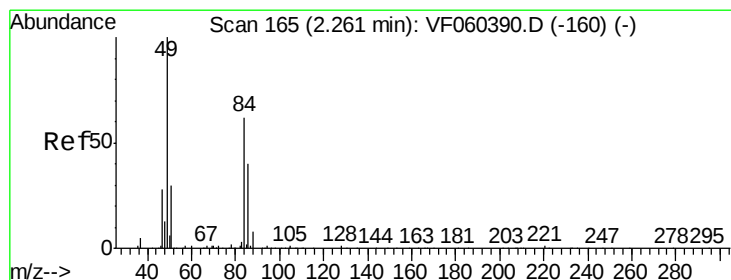
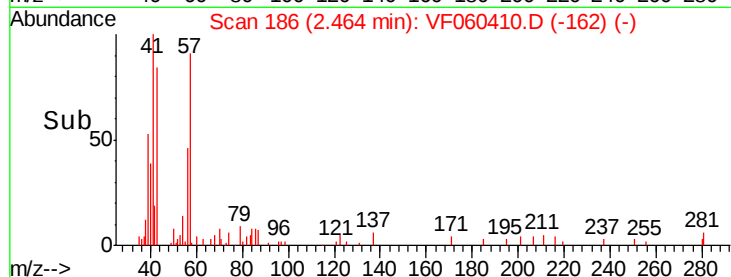
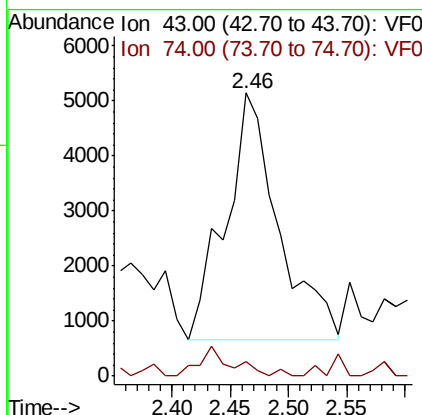
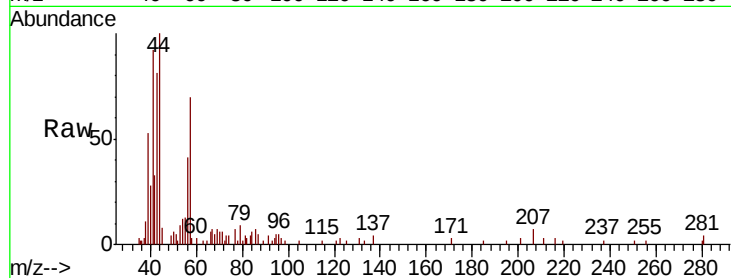




#18
Methvl Acetate
Concen: 9.628 ug/l
RT: 2.46 min Scan# 186
Delta R.T. 0.04 min
Lab File: VF060410.D
Acq: 2 Oct 2018 18:55

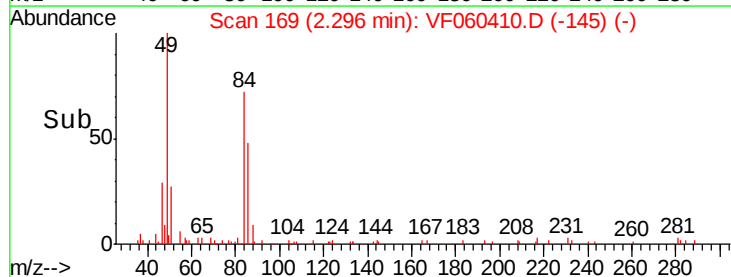
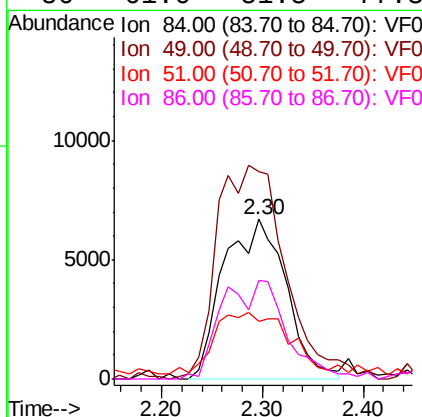
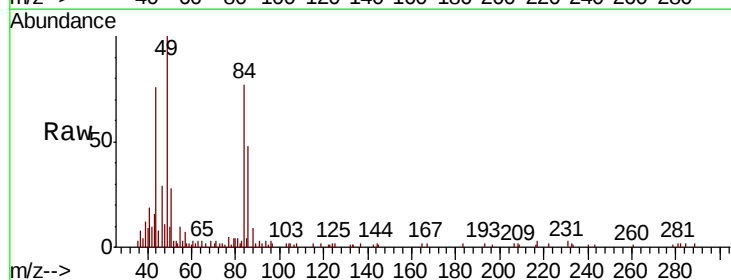
Instrument :
MSVOA_F
ClientSampleId :
KR-RO-VNJ-221

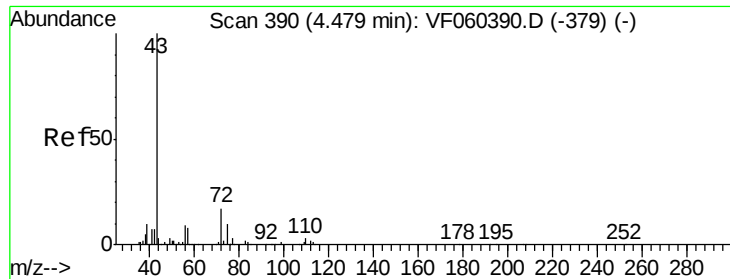
Tot Ion: 43 Resp: 14102
Ion Ratio Lower Upper
43 100
74 5.1 15.8 23.8#



#20
Methylene Chloride
Concen: 6.882 ug/l
RT: 2.30 min Scan# 169
Delta R.T. 0.04 min
Lab File: VF060410.D
Acq: 2 Oct 2018 18:55

Tgt Ion: 84 Resp: 28924
Ion Ratio Lower Upper
84 100
49 129.4 130.2 195.2#
51 35.7 41.0 61.6#
86 61.6 51.5 77.3





#25

2-Butanone

Concen: 2.776 ug/l

RT: 4.50 min Scan# 393

Delta R.T. 0.03 min

Lab File: VF060410.D

Acq: 2 Oct 2018 18:55

Instrument :

MSVOA_F

ClientSampleId :

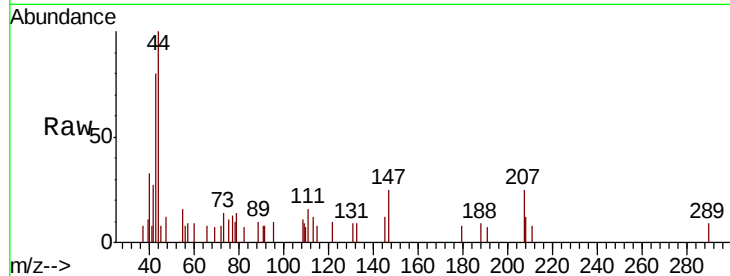
KR-RO-VNJ-221

Tot Ion: 43 Resp: 2438

Ion Ratio Lower Upper

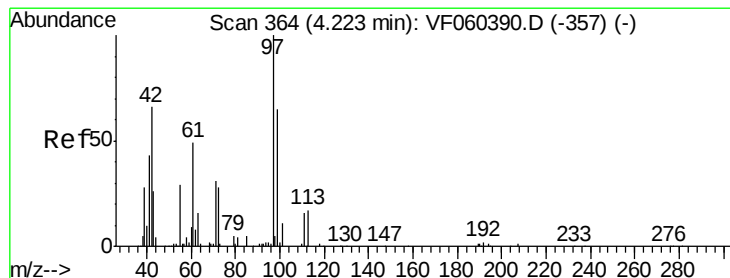
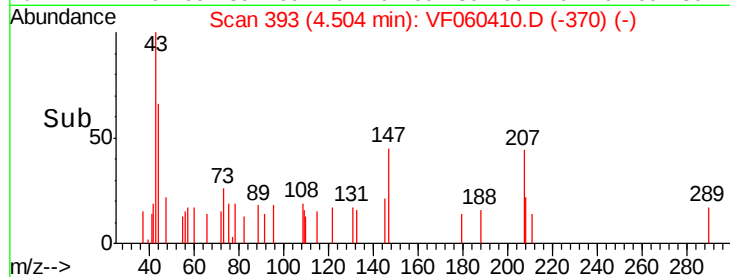
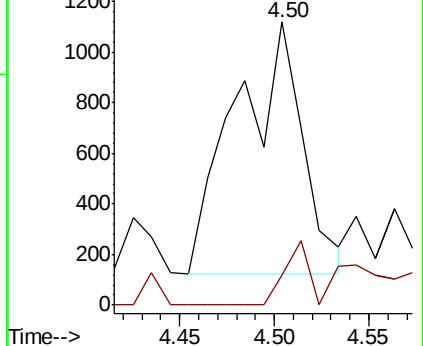
43 100

72 10.4 14.1 21.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.21 min Scan# 363

Delta R.T. -0.01 min

Lab File: VF060410.D

Acq: 2 Oct 2018 18:55

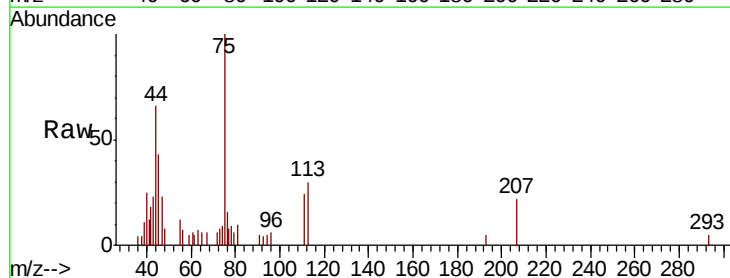
Tgt Ion: 42 Resp: 666

Ion Ratio Lower Upper

42 100

72 13.8 33.6 50.4#

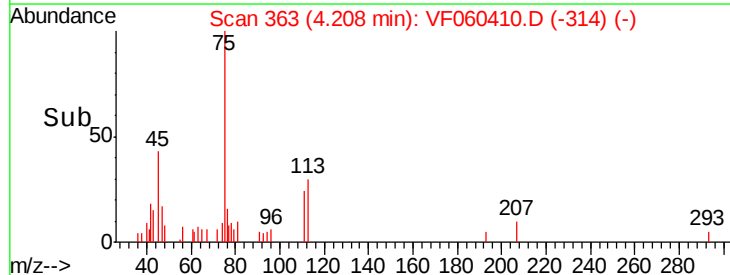
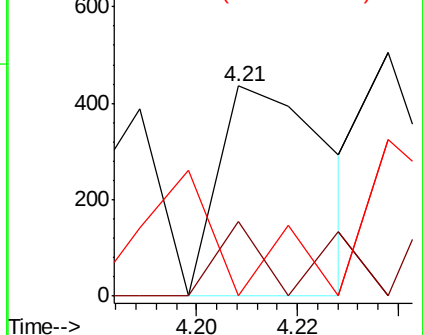
71 35.9 32.7 49.1

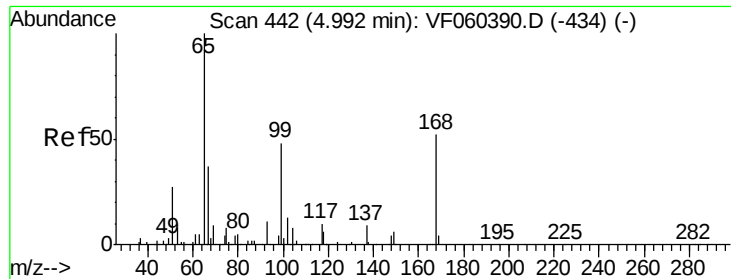


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

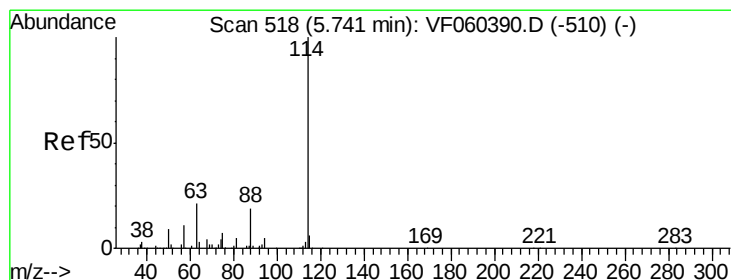
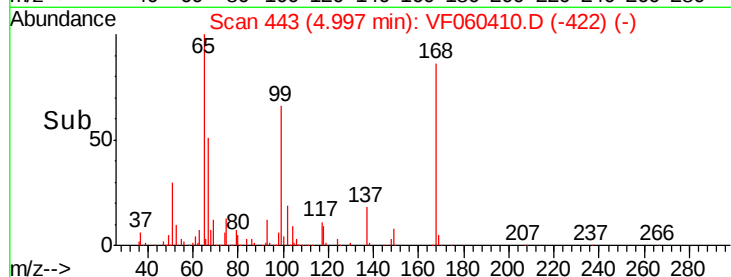
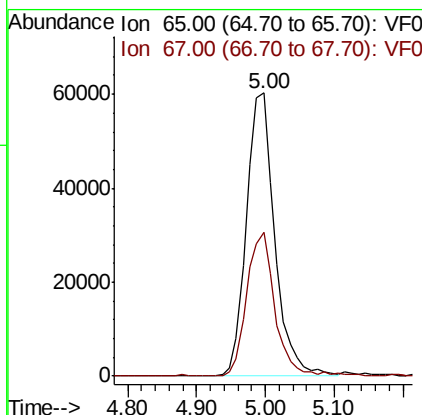
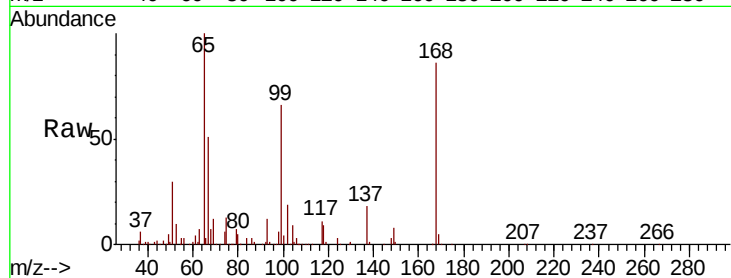




#33
 1,2-Dichloroethane-d4
 Concen: 50.984 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060410.D
 Acq: 2 Oct 2018 18:55

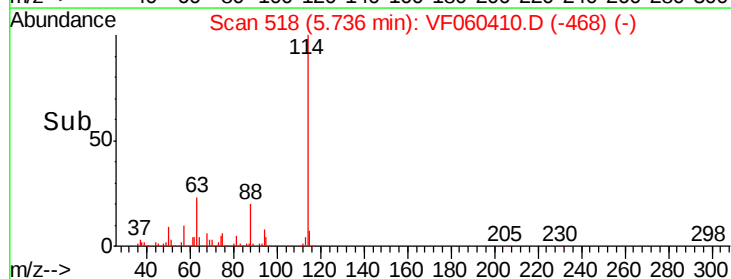
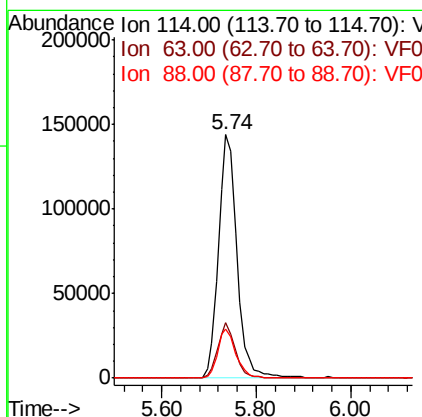
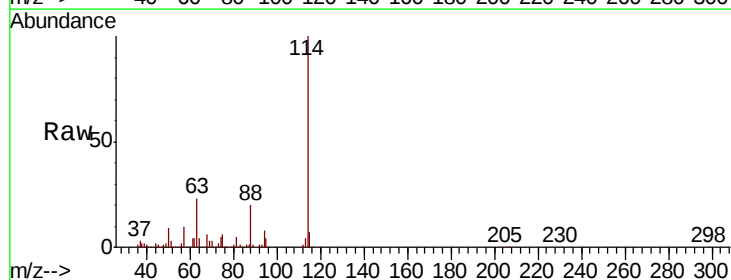
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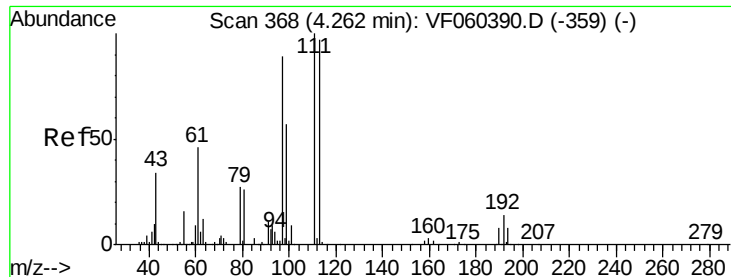
Tot Ion: 65 Resp: 172911
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VF060410.D
 Acq: 2 Oct 2018 18:55

Tgt Ion:114 Resp: 390792
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 42.2
 88 20.4 0.0 38.8

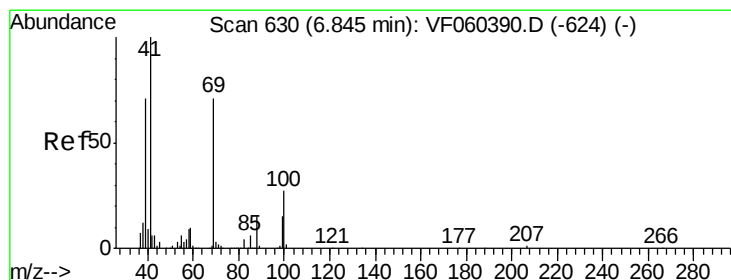
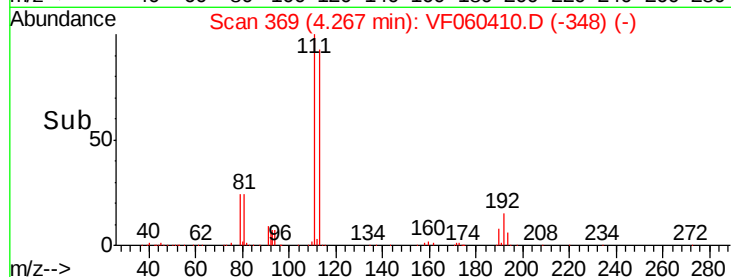
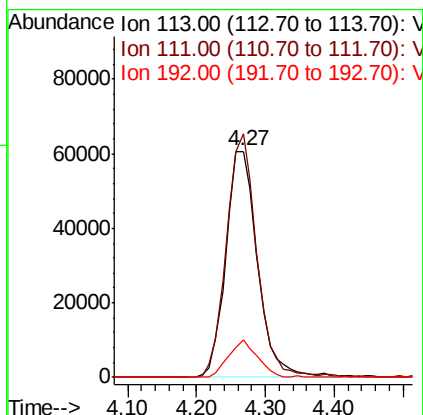
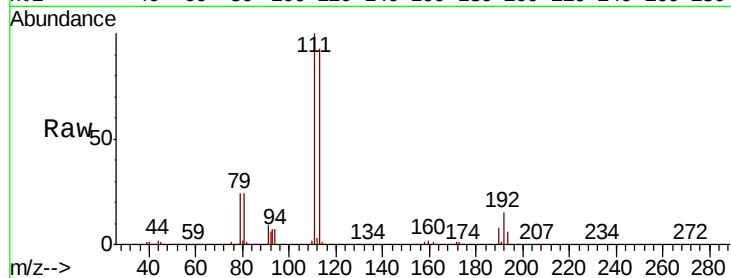




#35
 Dibromofluoromethane
 Concen: 52.808 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VF060410.D
 Acq: 2 Oct 2018 18:55

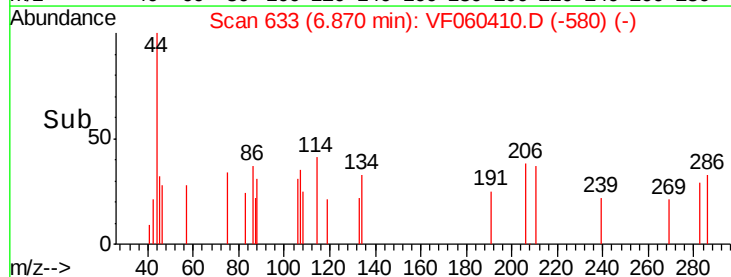
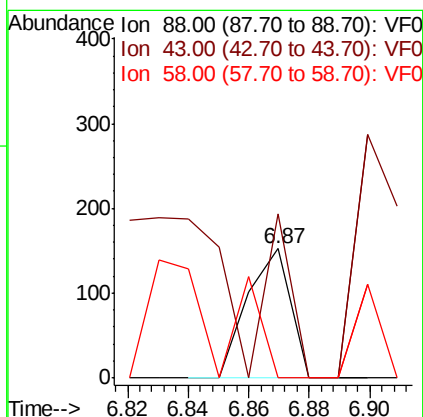
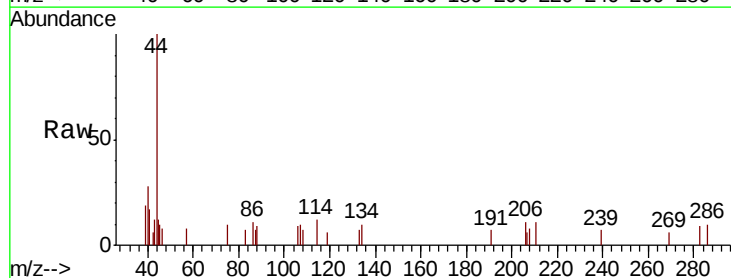
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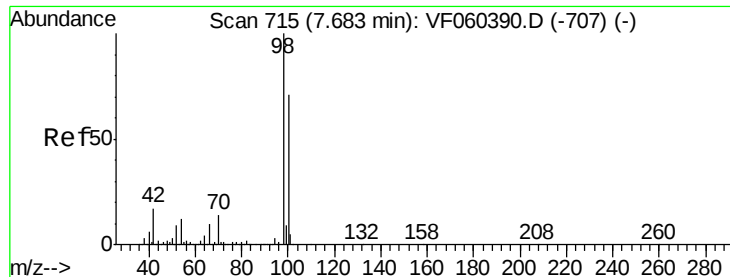
Tot Ion:113 Resp: 193872
 Ion Ratio Lower Upper
 113 100
 111 107.7 82.3 123.5
 192 16.5 11.8 17.6



#49
 1,4-Dioxane
 Concen: 10.869 ug/l
 RT: 6.87 min Scan# 633
 Delta R.T. 0.02 min
 Lab File: VF060410.D
 Acq: 2 Oct 2018 18:55

Tgt Ion: 88 Resp: 150
 Ion Ratio Lower Upper
 88 100
 43 127.0 38.3 57.5#
 58 0.0 47.4 71.2#





#50

Toluene-d8

Concen: 40.927 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.01 min

Lab File: VF060410.D

Acq: 2 Oct 2018 18:55

Instrument :

MSVOA_F

ClientSampleId :

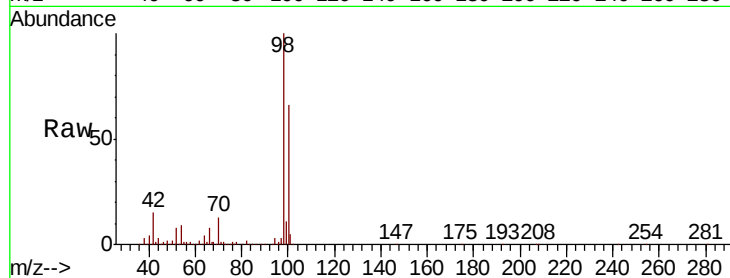
KR-RO-VNJ-221

Tot Ion: 98 Resp: 370047

Ion Ratio Lower Upper

98 100

100 65.6 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.69

150000

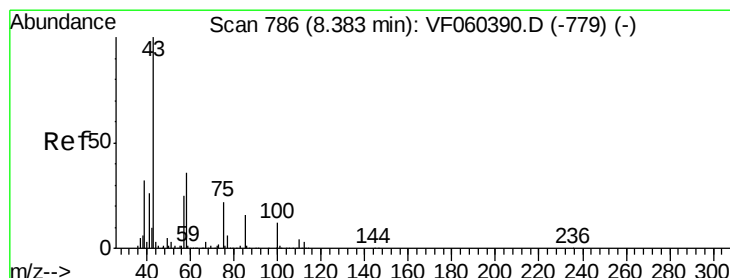
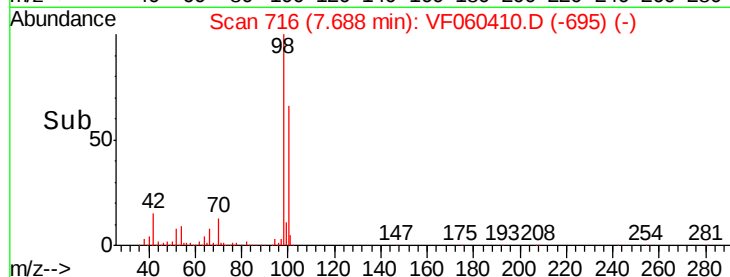
100000

50000

0

Time-->

7.60 7.70 7.80



#51

4-Methyl-2-Pentanone

Concen: 2.927 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.01 min

Lab File: VF060410.D

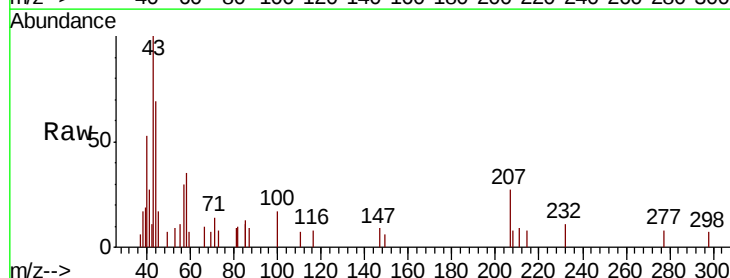
Acq: 2 Oct 2018 18:55

Tgt Ion: 43 Resp: 4645

Ion Ratio Lower Upper

43 100

58 34.8 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

1500

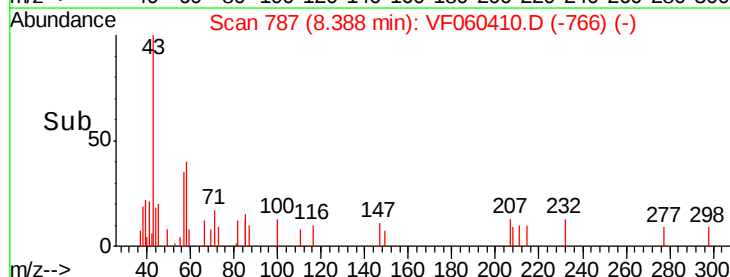
1000

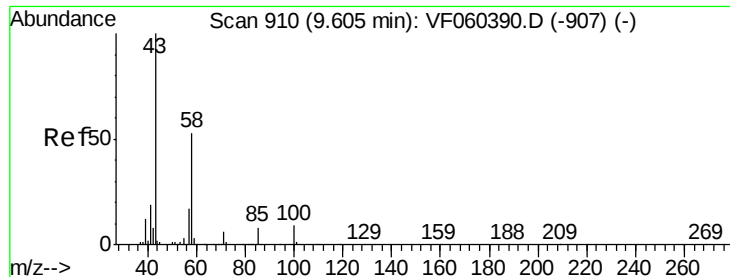
500

0

Time-->

8.30 8.35 8.40 8.45 8.50

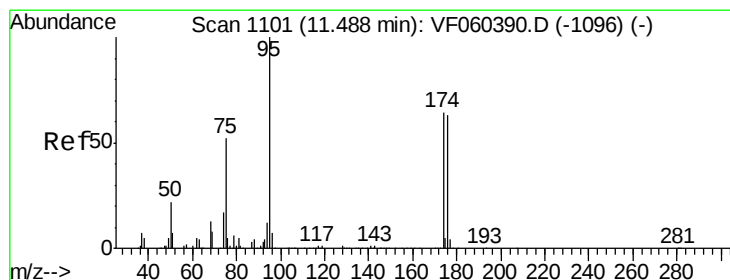
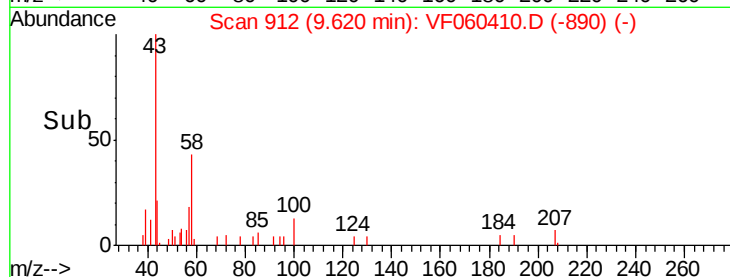
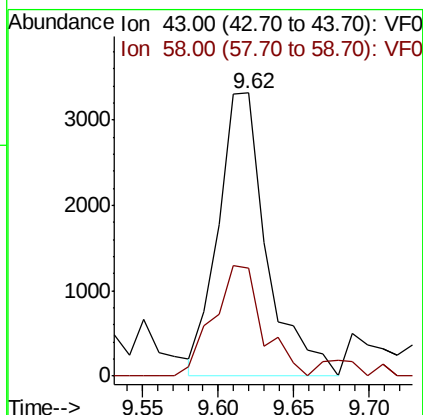
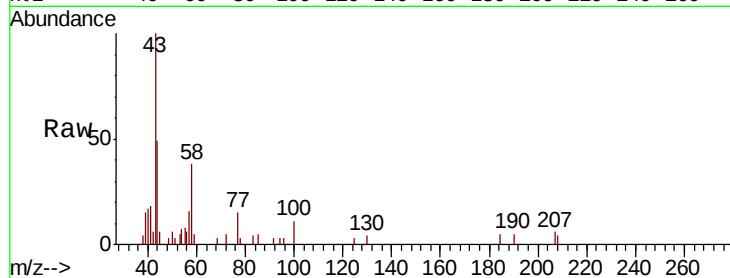




#59
2-Hexanone
Concen: 6.354 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.02 min
Lab File: VF060410.D
Acq: 2 Oct 2018 18:55

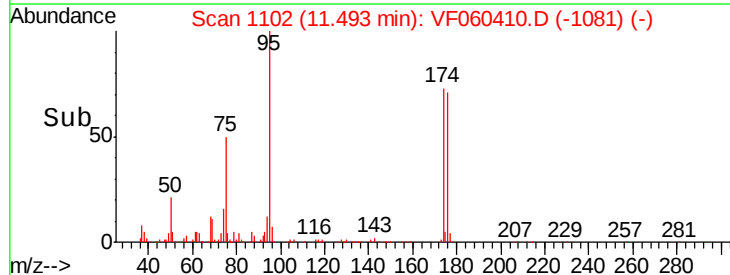
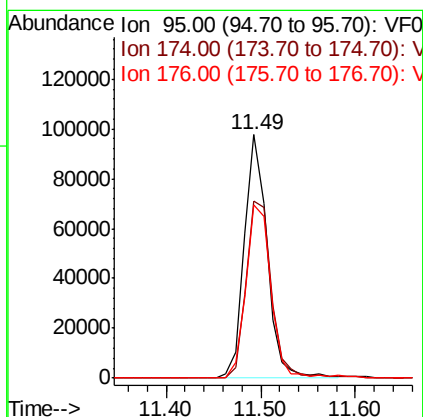
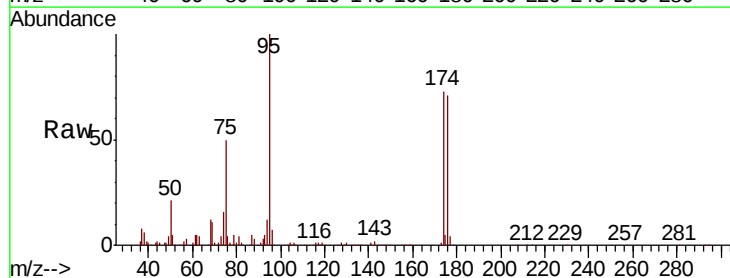
Instrument :
MSVOA_F
ClientSampleId :
KR-RO-VNJ-221

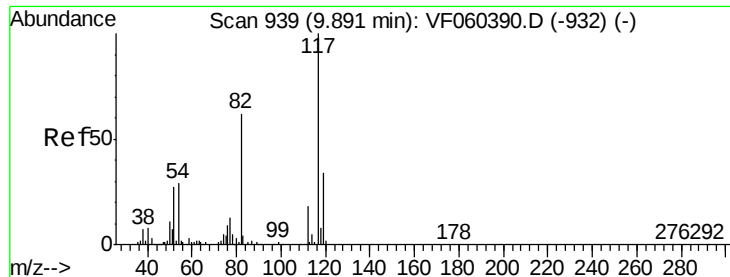
Tot Ion: 43 Resp: 7397
Ion Ratio Lower Upper
43 100
58 38.1 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 39.687 ug/l
RT: 11.49 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF060410.D
Acq: 2 Oct 2018 18:55

Tgt Ion: 95 Resp: 163842
Ion Ratio Lower Upper
95 100
174 72.9 0.0 129.0
176 71.3 0.0 125.6

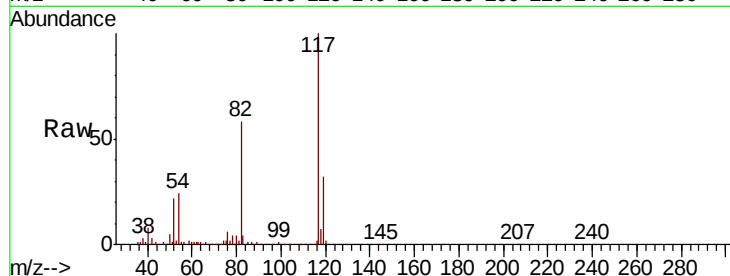




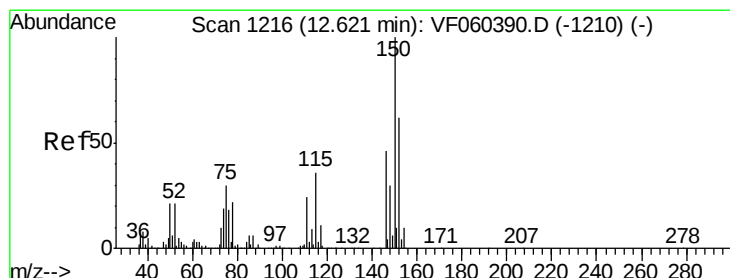
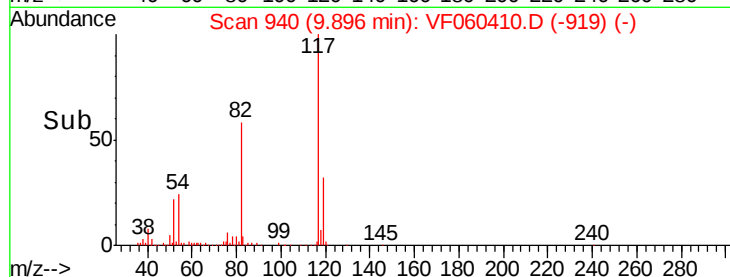
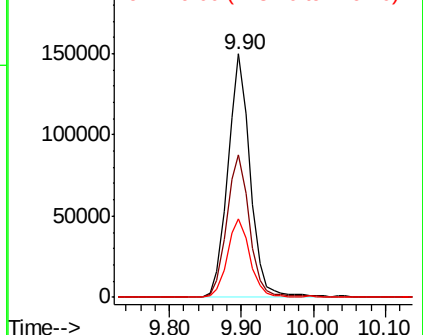
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060410.D
Acq: 2 Oct 2018 18:55

Instrument :
MSVOA_F
ClientSampleId :
KR-RO-VNJ-221

Tot Ion:117 Resp: 323475
Ion Ratio Lower Upper
117 100
82 58.3 49.5 74.3
119 32.1 27.0 40.6

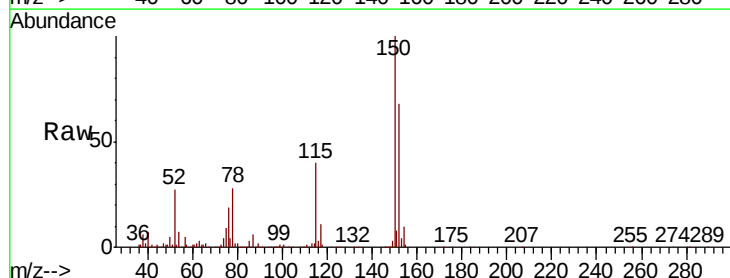


Abundance Ion 117.00 (116.70 to 117.70): V
200000 Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

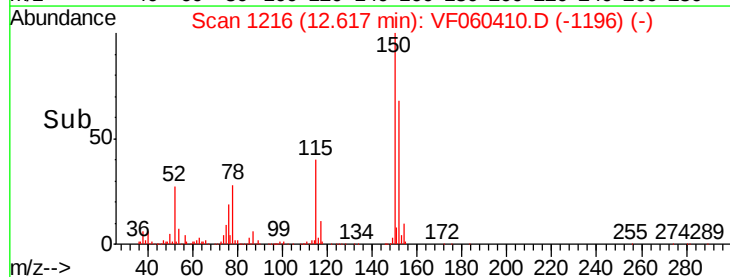
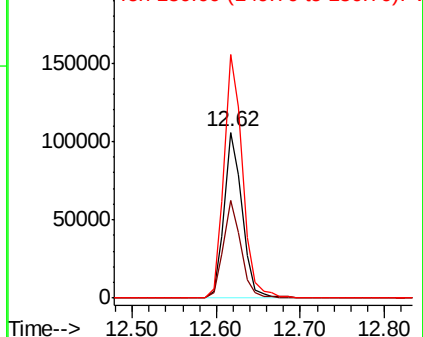


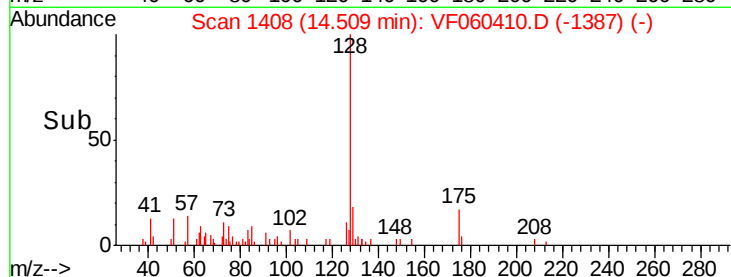
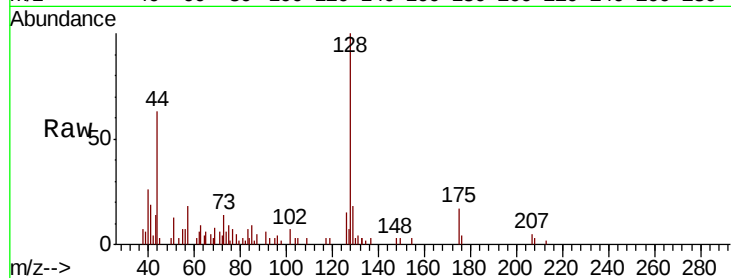
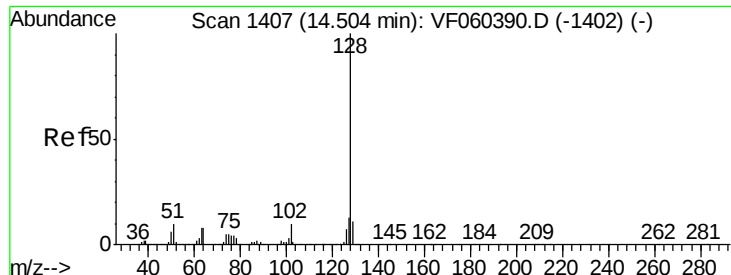
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060410.D
Acq: 2 Oct 2018 18:55

Tgt Ion:152 Resp: 158045
Ion Ratio Lower Upper
152 100
115 58.7 28.6 85.8
150 146.9 0.0 324.6



Abundance Ion 152.00 (151.70 to 152.70): V
200000 Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#95

Naphthalene

Concen: 1.038 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. 0.01 min

Lab File: VF060410.D

Acq: 2 Oct 2018 18:55

Instrument :

MSVOA_F

ClientSampleId :

KR-RO-VNJ-221

Tot Ion:128 Resp: 6956

Ion Ratio Lower Upper

128 100

127 6.6 10.0 15.0#

129 17.6 8.7 13.1#

