

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060385.D
 Acq On : 28 Sep 2018 23:36
 Operator : VA/AP
 Sample : J5171-01
 Misc : 5.51/5mL/MSVOA F/SOIL
 ALS Vial : 48 Sample Multiplier: 1

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

Quant Time: Sep 29 00:22:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	266070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	467015	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	381447	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	194163	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	205103	57.25	ug/l	0.00
Spiked Amount			Recovery	=	114.50%	
35) Dibromofluoromethane	4.27	113	224839	54.01	ug/l	-0.01
Spiked Amount			Recovery	=	108.02%	
50) Toluene-d8	7.69	98	499024	46.03	ug/l	-0.01
Spiked Amount			Recovery	=	92.06%	
62) 4-Bromofluorobenzene	11.50	95	202259	43.16	ug/l	0.00
Spiked Amount			Recovery	=	86.32%	

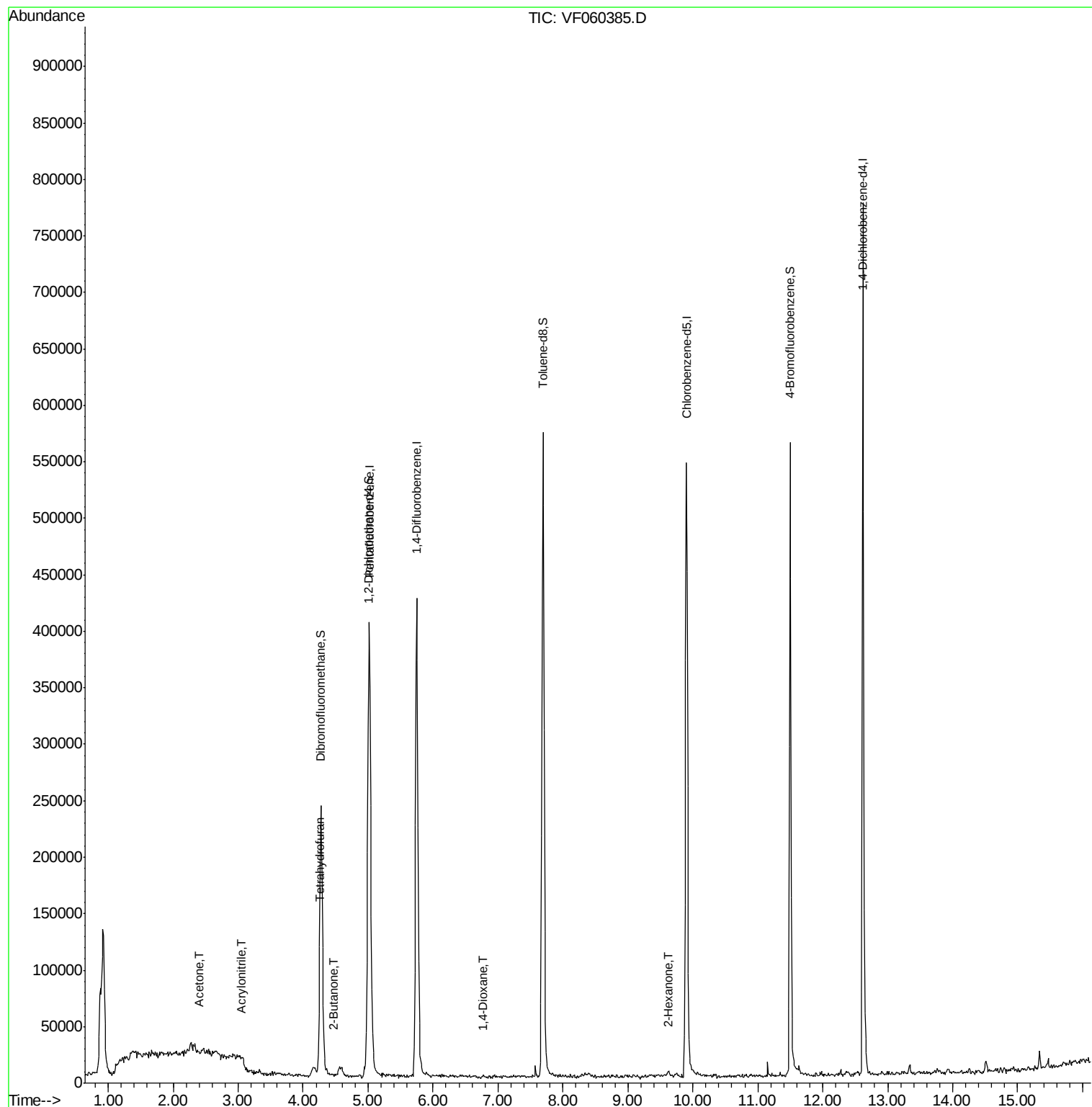
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	1564	Below Cal		100
5) Bromomethane	1.20	94	258	Below Cal		92
11) Tert butyl alcohol	2.67	59	521	Below Cal	#	1
13) Acrolein	2.04	56	1329	Below Cal		97
15) Acrylonitrile	3.06	53	536	1.059	ug/l #	68
16) Acetone	2.40	43	1328	1.316	ug/l	98
17) Carbon Disulfide	1.89	76	378	Below Cal	#	41
20) Methylene Chloride	2.27	84	5035	Below Cal	#	72
25) 2-Butanone	4.47	43	1927	1.419	ug/l #	56
29) Tetrahydrofuran	4.24	42	1152	2.316	ug/l #	54
49) 1,4-Dioxane	6.79	88	92	4.944	ug/l #	15
59) 2-Hexanone	9.63	43	4206	2.583	ug/l	96
78) n-propylbenzene	11.68	91	827	Below Cal		97
85) sec-Butylbenzene	12.37	105	1266	Below Cal		88
86) p-Isopropyltoluene	12.53	119	898	Below Cal	#	63
89) n-Butylbenzene	12.91	91	1083	Below Cal		85

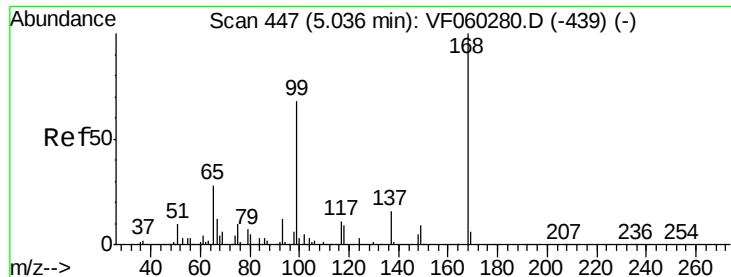
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

Instrument :

MSVOA_F

ClientSampleId :

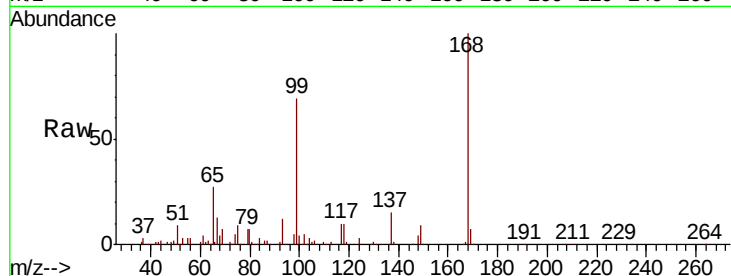
KR-RO-VNJ-221

Tot Ion:168 Resp: 266070

Ion Ratio Lower Upper

168 100

99 68.9 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

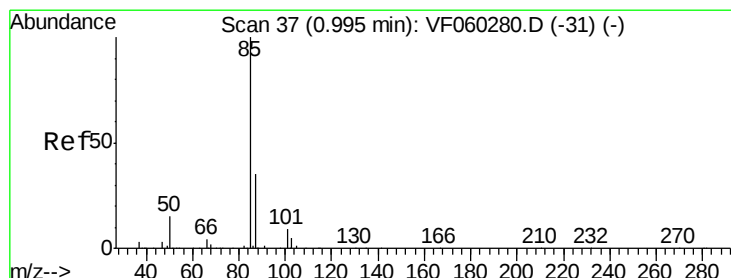
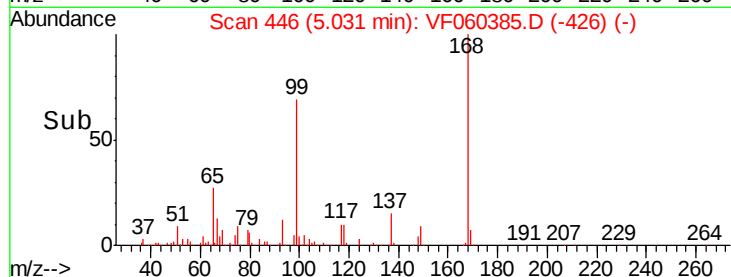
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060385.D

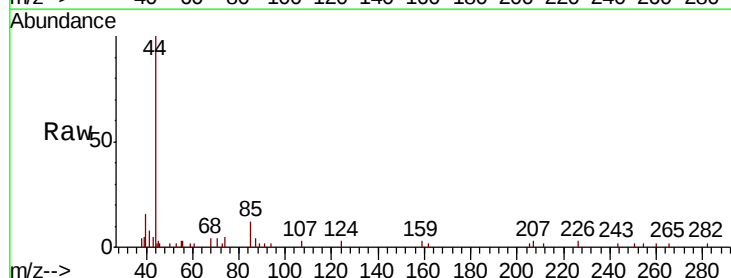
Acq: 28 Sep 2018 23:36

Tgt Ion: 85 Resp: 1564

Ion Ratio Lower Upper

85 100

87 34.7 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

800

600

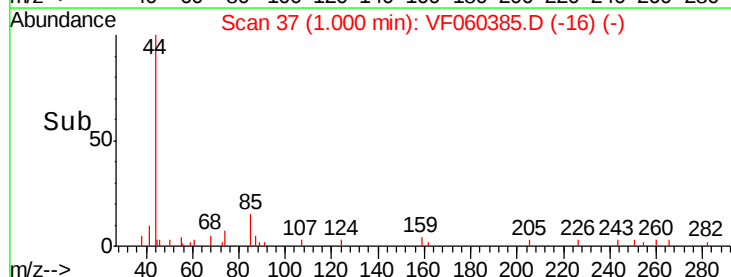
400

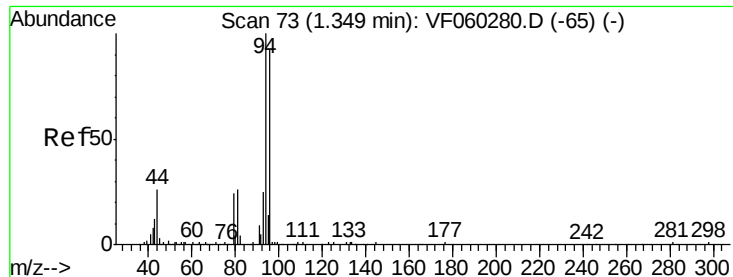
200

0

0.90 0.95 1.00 1.05

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.20 min Scan# 57

Delta R.T. -0.15 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

Instrument :

MSVOA_F

ClientSampleId :

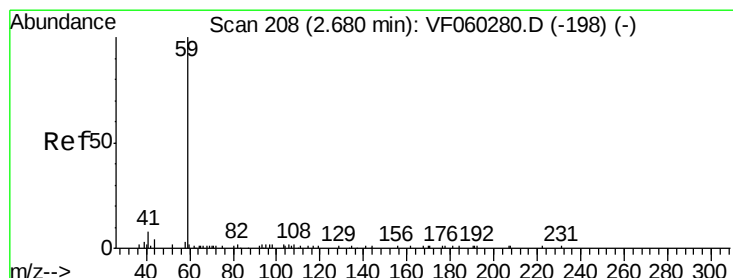
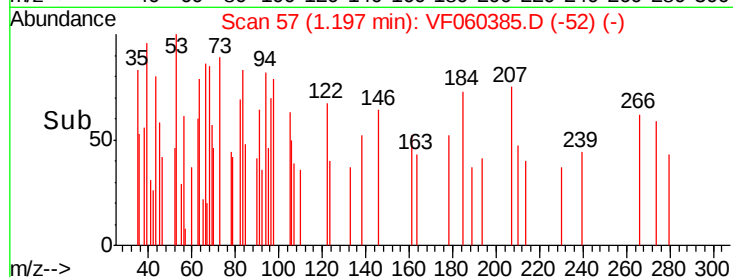
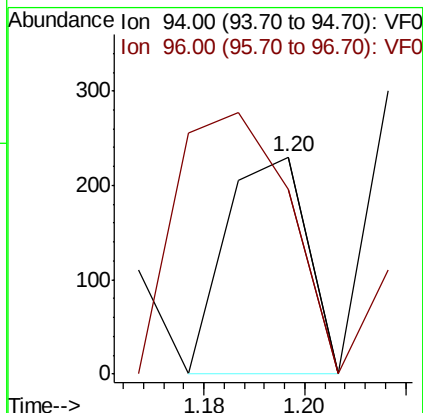
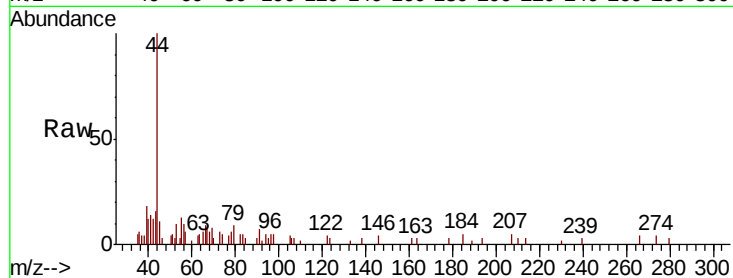
KR-RO-VNJ-221

Tot Ion: 94 Resp: 258

Ion Ratio Lower Upper

94 100

96 85.2 73.9 110.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.67 min Scan# 206

Delta R.T. -0.01 min

Lab File: VF060385.D

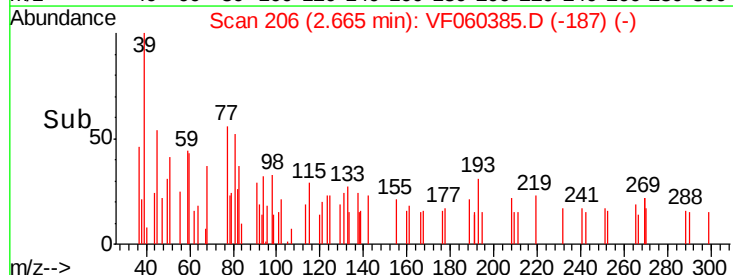
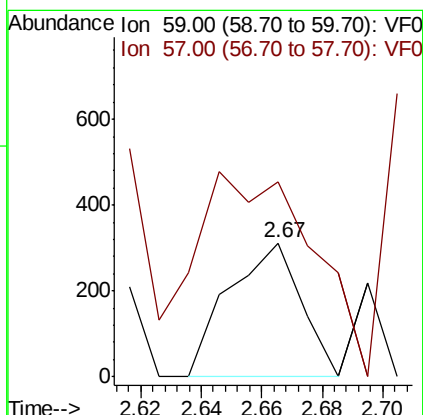
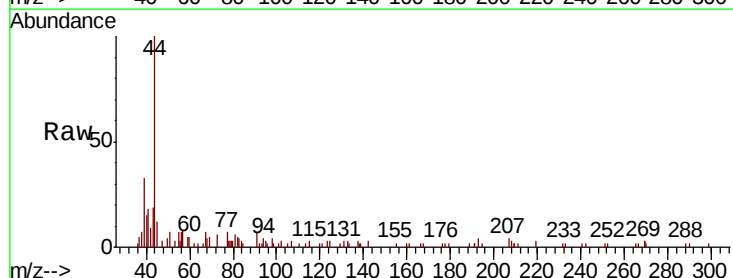
Acq: 28 Sep 2018 23:36

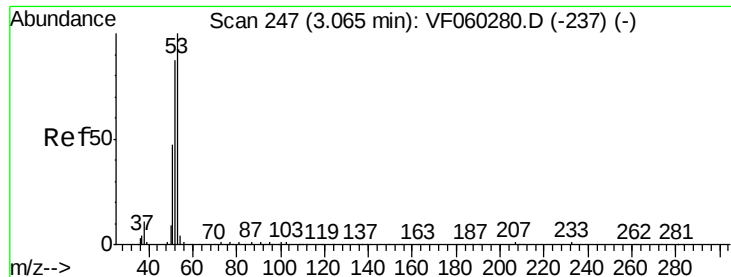
Tgt Ion: 59 Resp: 521

Ion Ratio Lower Upper

59 100

57 145.5 12.4 18.6#





#15

Acrylonitrile

Concen: 1.059 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.00 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

Instrument :

MSVOA_F

ClientSampleId :

KR-RO-VNJ-221

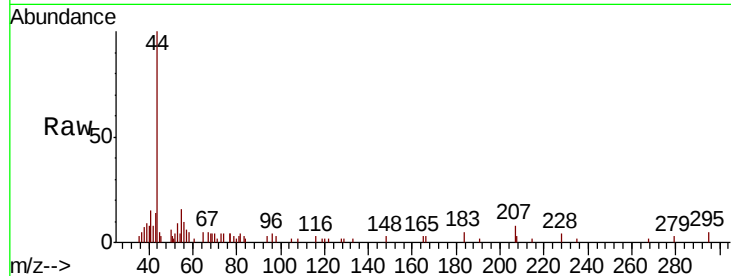
Tot Ion: 53 Resp: 536

Ion Ratio Lower Upper

53 100

52 48.5 69.5 104.3#

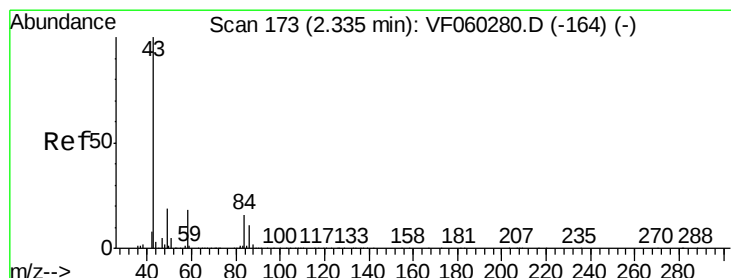
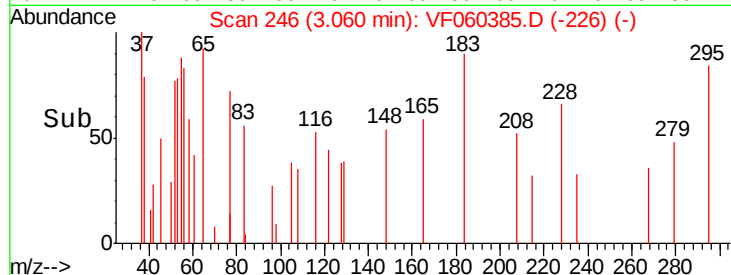
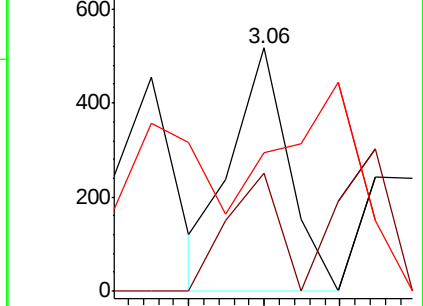
51 57.1 38.1 57.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 1.316 ug/l

RT: 2.40 min Scan# 179

Delta R.T. 0.06 min

Lab File: VF060385.D

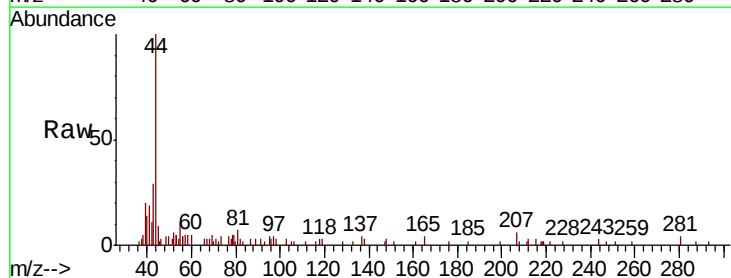
Acq: 28 Sep 2018 23:36

Tgt Ion: 43 Resp: 1328

Ion Ratio Lower Upper

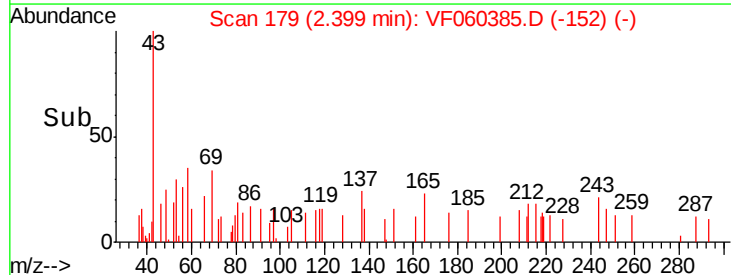
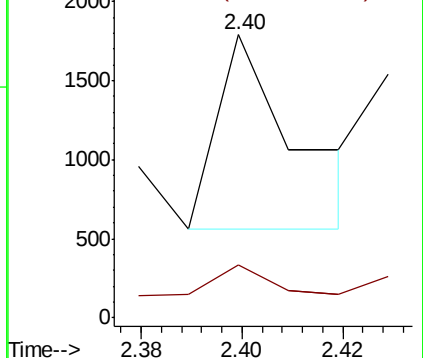
43 100

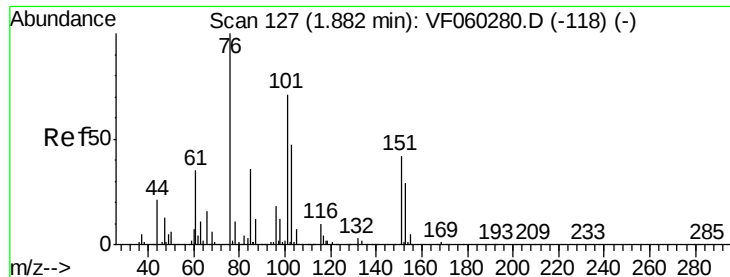
58 18.9 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.89 min Scan# 127

Delta R.T. 0.01 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

Instrument :

MSVOA_F

ClientSampleId :

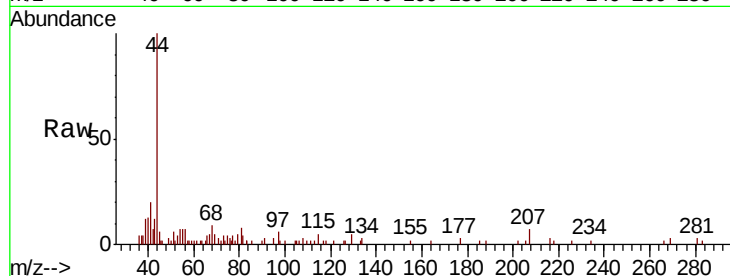
KR-RO-VNJ-221

Tot Ion: 76 Resp: 378

Ion Ratio Lower Upper

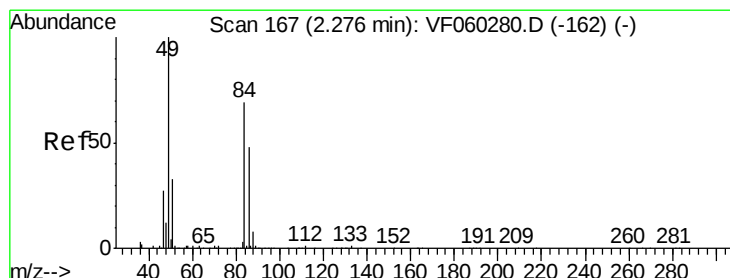
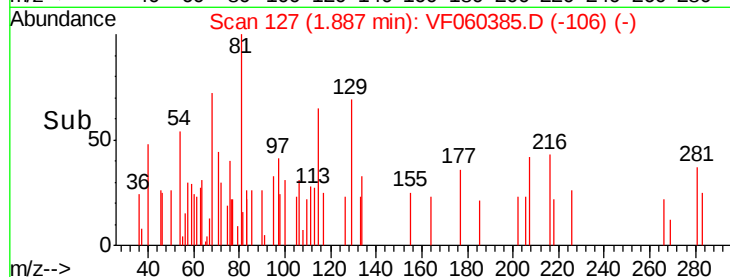
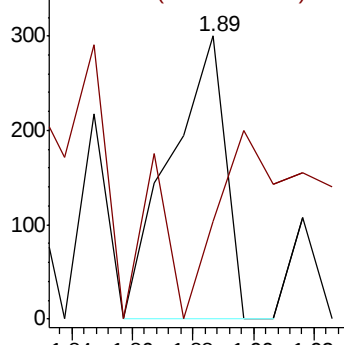
76 100

78 34.3 9.4 14.0#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.27 min Scan# 166

Delta R.T. -0.00 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

Tgt Ion: 84 Resp: 5035

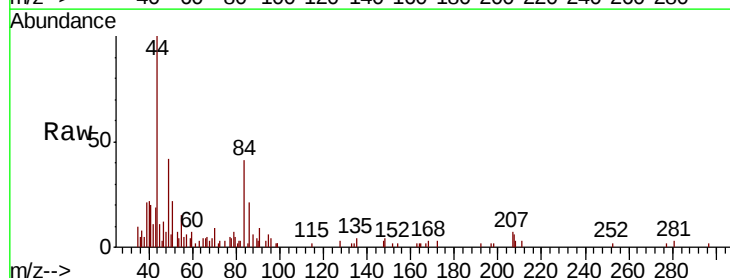
Ion Ratio Lower Upper

84 100

49 103.3 118.3 177.5#

51 54.7 38.7 58.1

86 49.9 55.8 83.6#

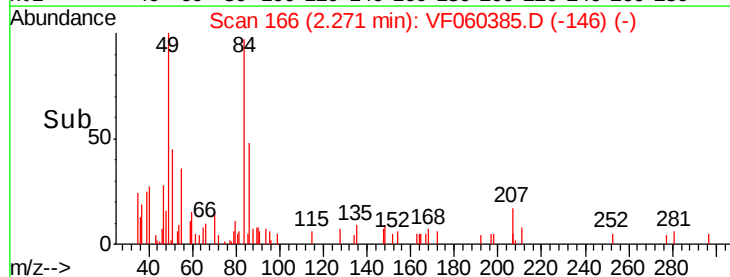
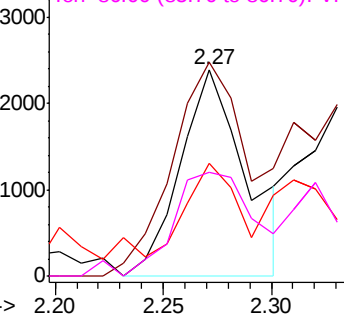


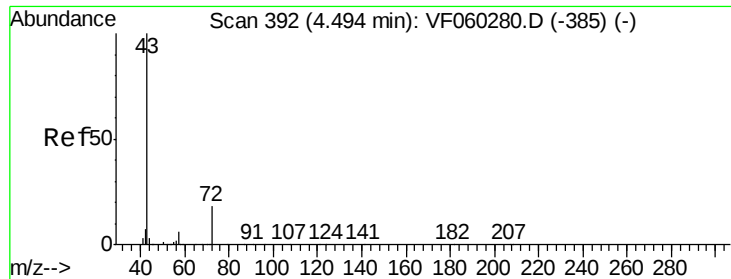
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

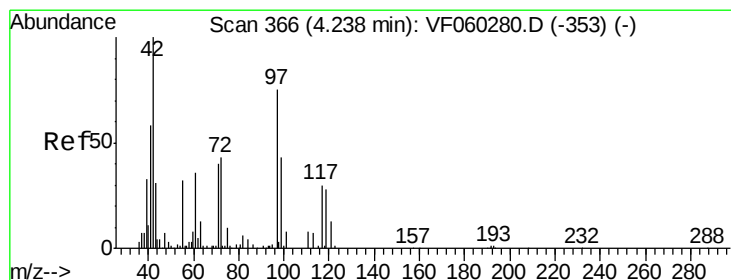
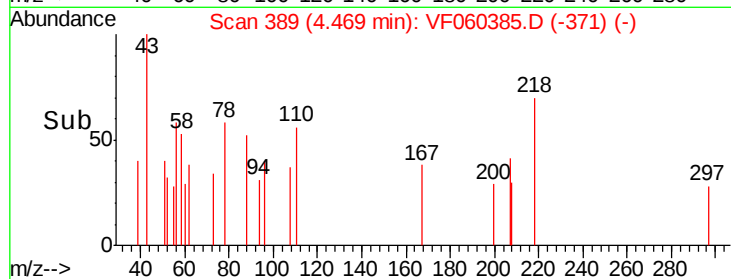
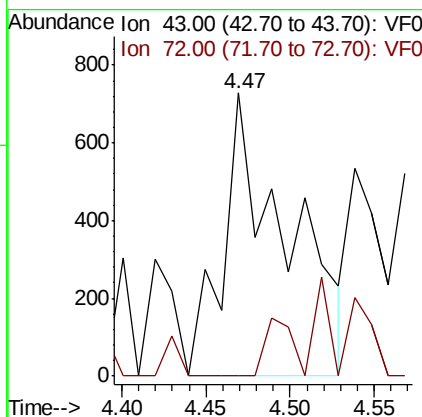
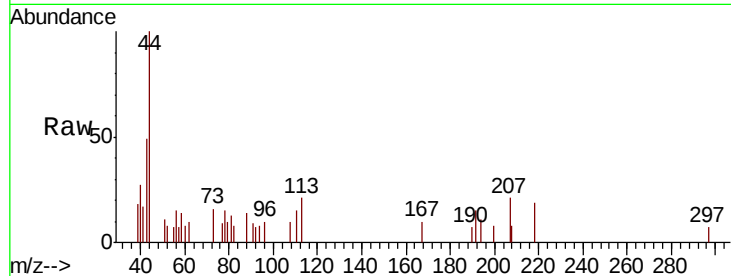




#25
2-Butanone
Concen: 1.419 ug/l
RT: 4.47 min Scan# 389
Delta R.T. -0.02 min
Lab File: VF060385.D
Acq: 28 Sep 2018 23:36

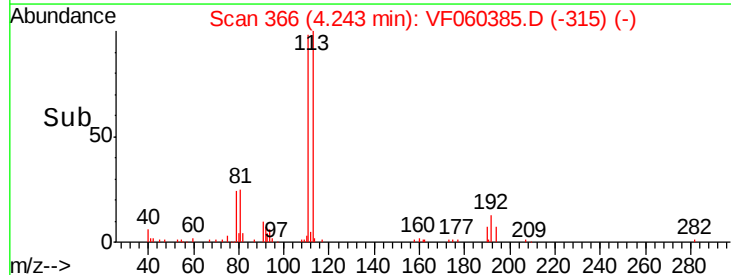
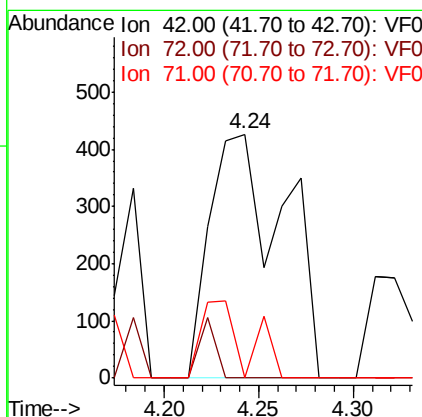
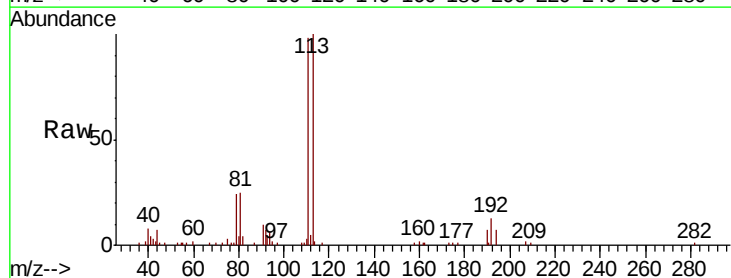
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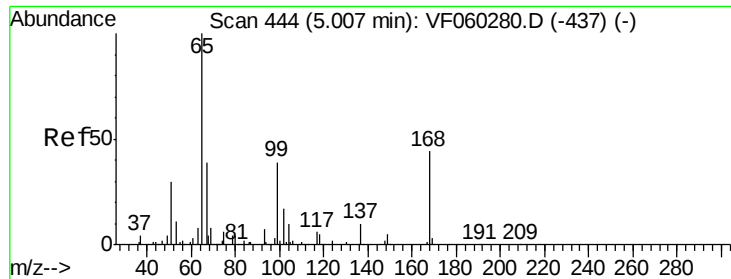
Tot Ion: 43 Resp: 1927
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.2#



#29
Tetrahydrofuran
Concen: 2.316 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.00 min
Lab File: VF060385.D
Acq: 28 Sep 2018 23:36

Tgt Ion: 42 Resp: 1152
Ion Ratio Lower Upper
42 100
72 5.4 32.6 49.0#
71 19.3 32.7 49.1#





#33

1,2-Dichloroethane-d4

Concen: 57.248 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.00 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

Instrument :

MSVOA_F

ClientSampleId :

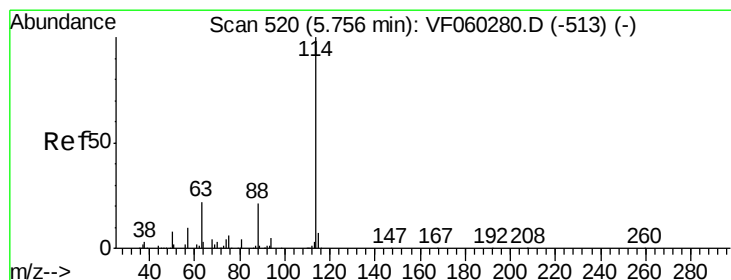
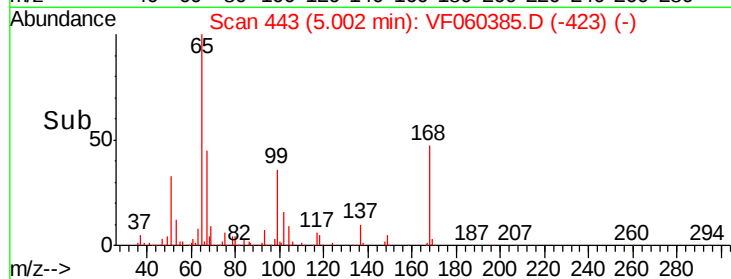
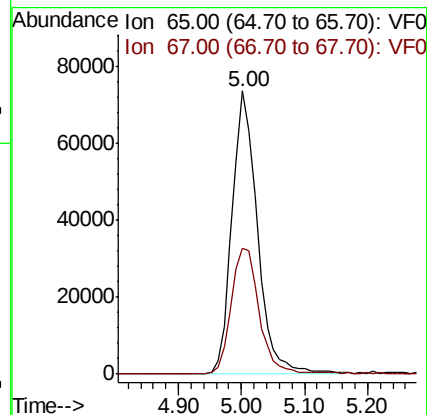
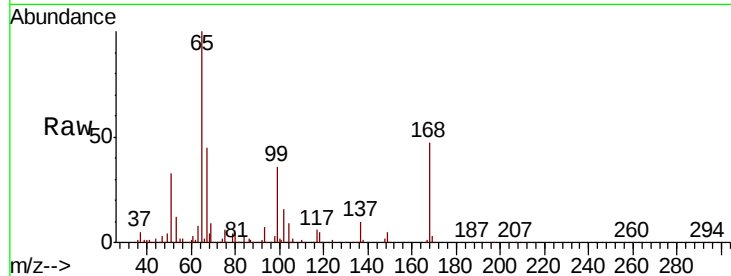
KR-RO-VNJ-221

Tot Ion: 65 Resp: 205103

Ion Ratio Lower Upper

65 100

67 44.6 0.0 94.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.00 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

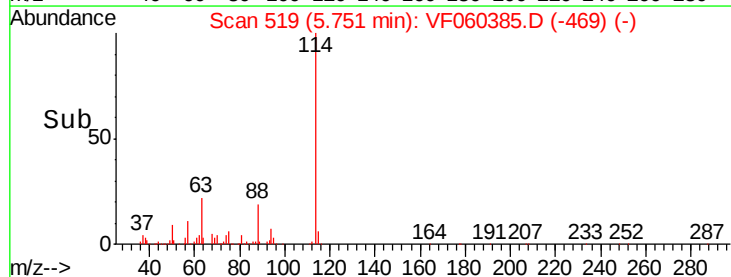
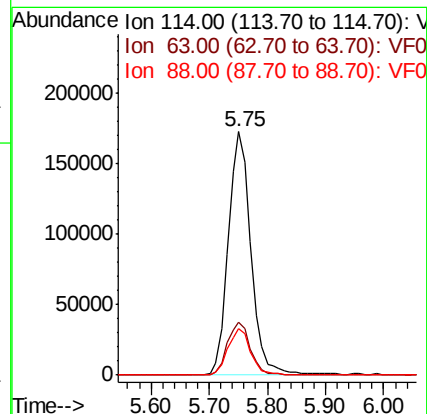
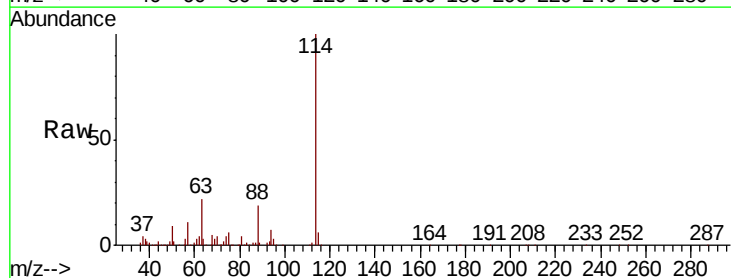
Tgt Ion: 114 Resp: 467015

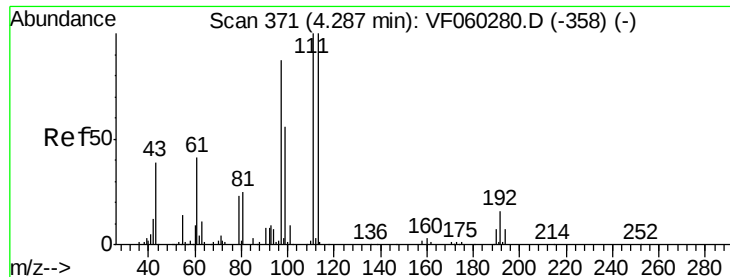
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

88 19.2 0.0 41.2





#35

Dibromofluoromethane

Concen: 54.008 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

Instrument :

MSVOA_F

ClientSampleId :

KR-RO-VNJ-221

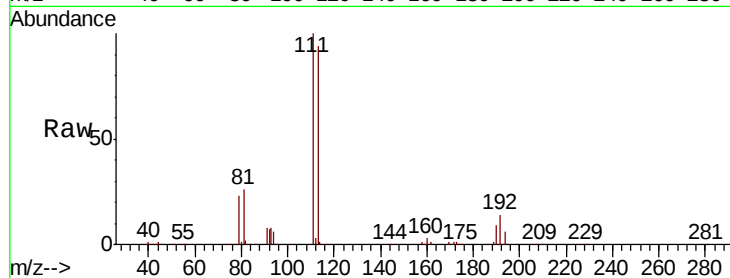
Tot Ion:113 Resp: 224839

Ion Ratio Lower Upper

113 100

111 106.5 79.6 119.4

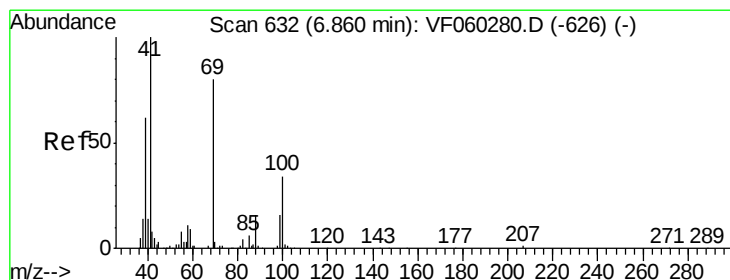
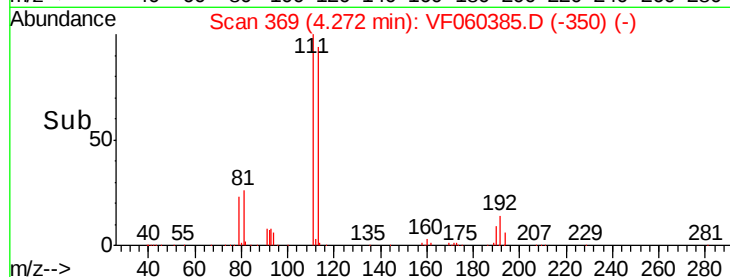
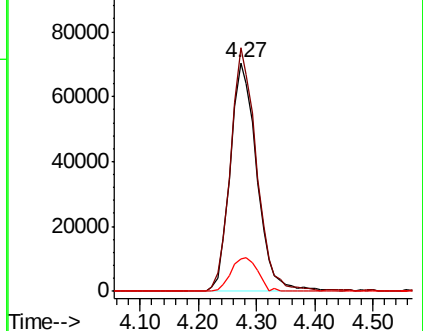
192 14.4 13.0 19.6



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



#49

1,4-Dioxane

Concen: 4.944 ug/l

RT: 6.79 min Scan# 624

Delta R.T. -0.07 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

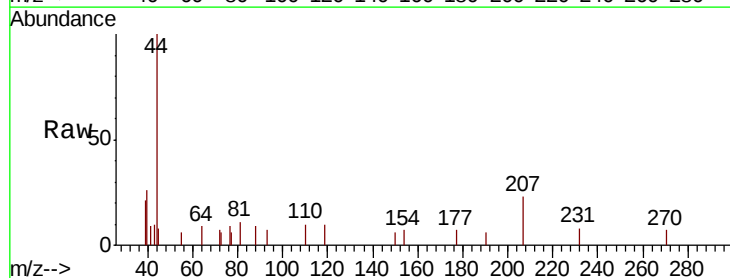
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 108.4 40.2 60.4#

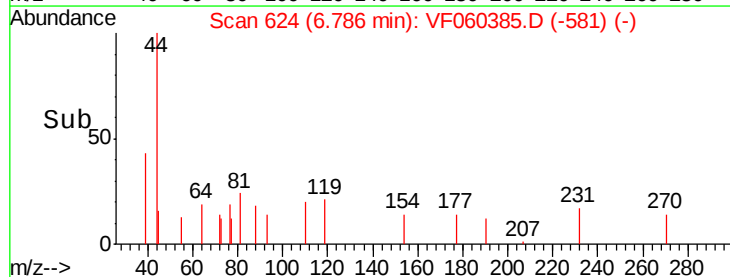
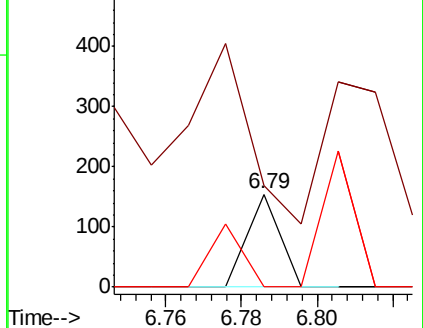
58 0.0 56.7 85.1#

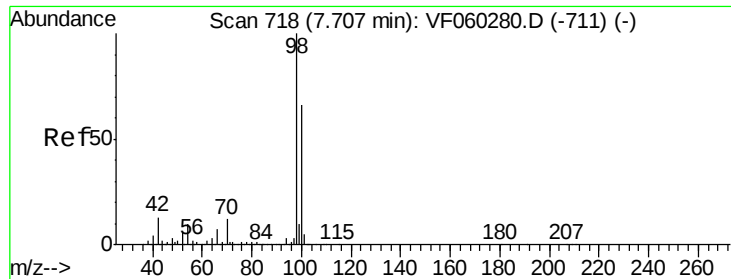


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

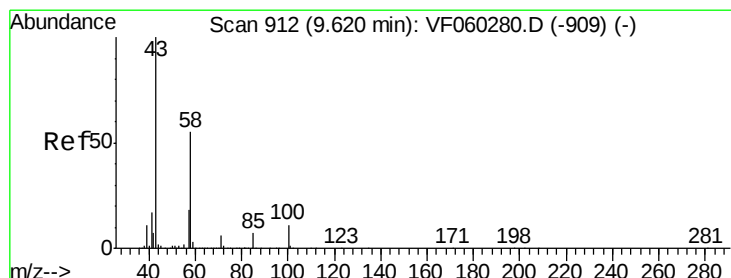
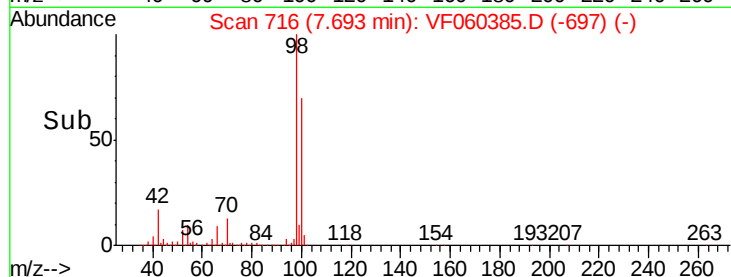
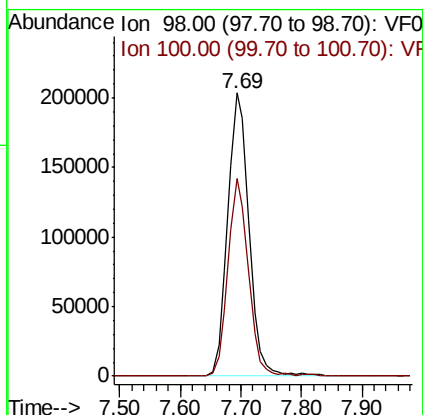
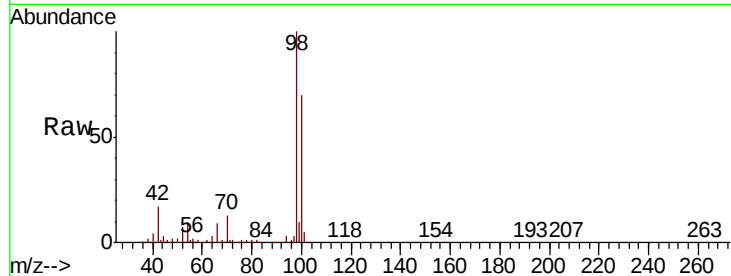




#50
Toluene-d8
Concen: 46.028 ug/l
RT: 7.69 min Scan# 716
Delta R.T. -0.01 min
Lab File: VF060385.D
Acq: 28 Sep 2018 23:36

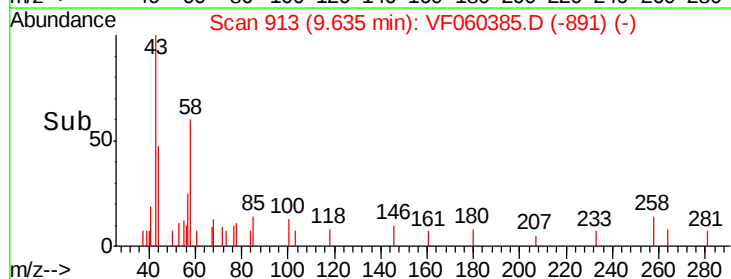
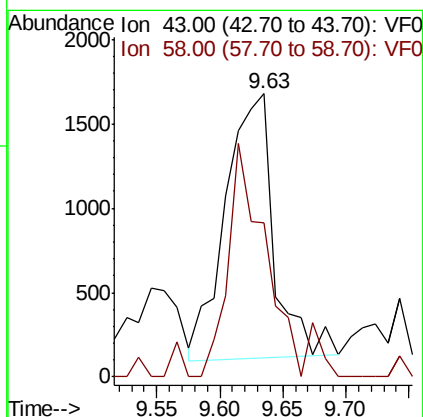
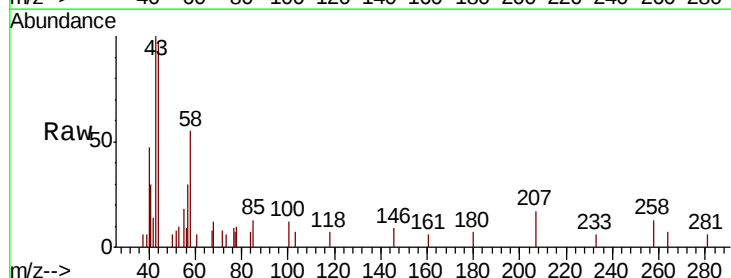
Instrument :
MSVOA_F
ClientSampleId :
KR-RO-VNJ-221

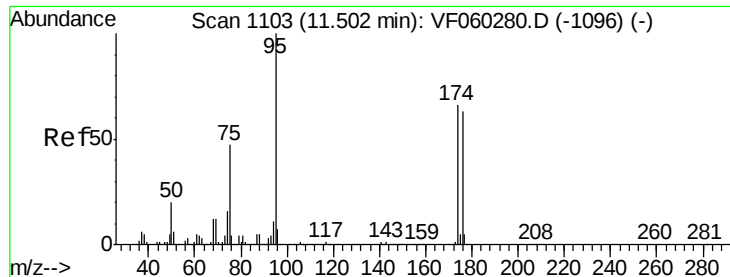
Tot Ion: 98 Resp: 499024
Ion Ratio Lower Upper
98 100
100 69.7 53.0 79.6



#59
2-Hexanone
Concen: 2.583 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060385.D
Acq: 28 Sep 2018 23:36

Tgt Ion: 43 Resp: 4206
Ion Ratio Lower Upper
43 100
58 54.5 25.9 77.6





#62

4-Bromofluorobenzene

Concen: 43.158 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

Instrument :

MSVOA_F

ClientSampleId :

KR-RO-VNJ-221

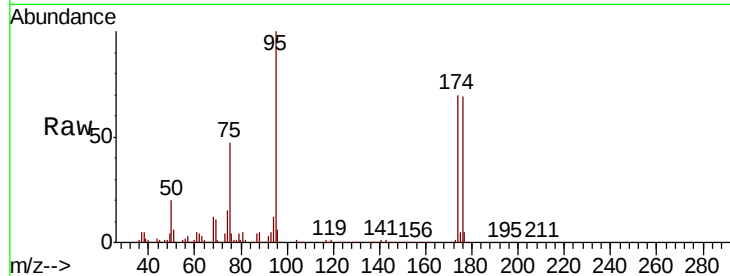
Tot Ion: 95 Resp: 202259

Ion Ratio Lower Upper

95 100

174 70.3 0.0 131.2

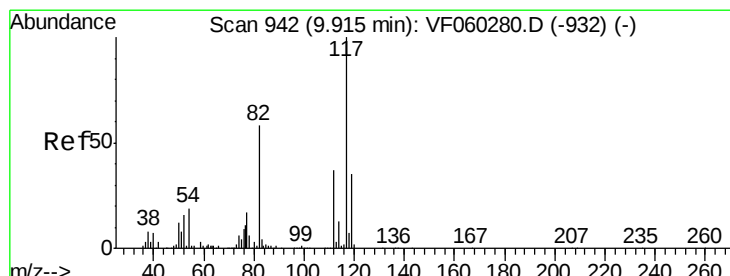
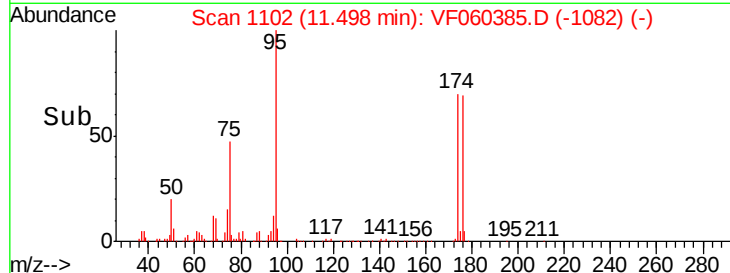
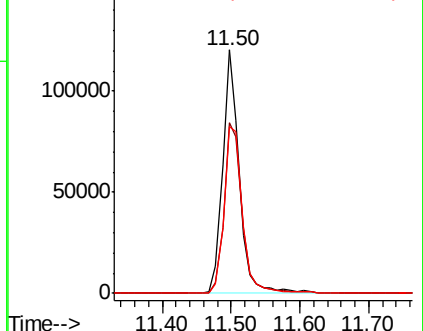
176 68.6 0.0 126.6



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: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF060385.D

Acq: 28 Sep 2018 23:36

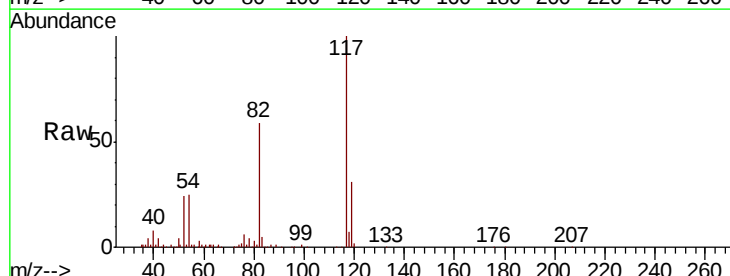
Tgt Ion: 117 Resp: 381447

Ion Ratio Lower Upper

117 100

82 58.7 46.2 69.2

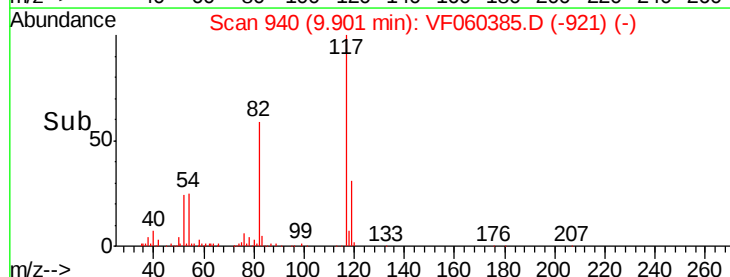
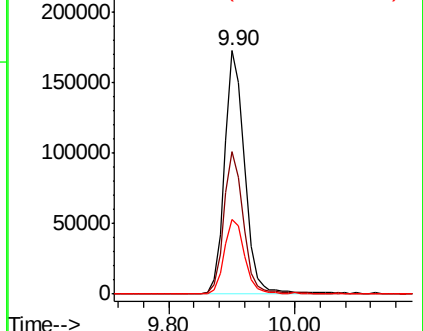
119 30.7 27.8 41.6

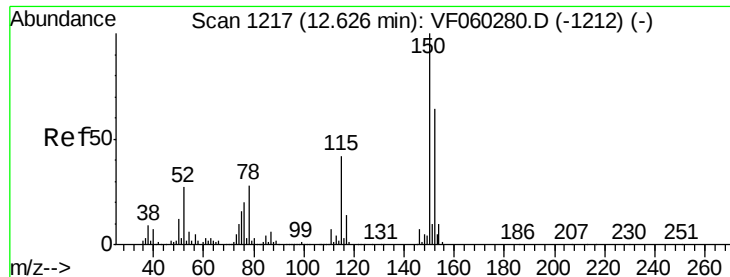


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



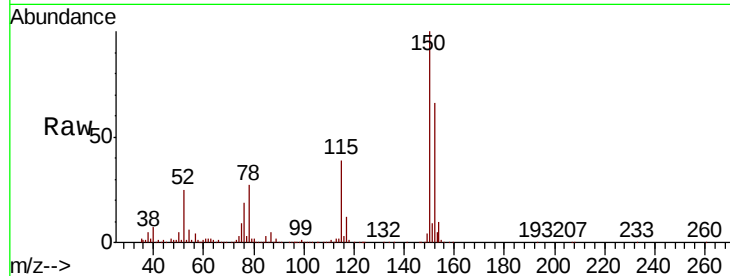


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060385.D
Acq: 28 Sep 2018 23:36

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

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	32.6	97.8
150	152.6	0.0	314.2

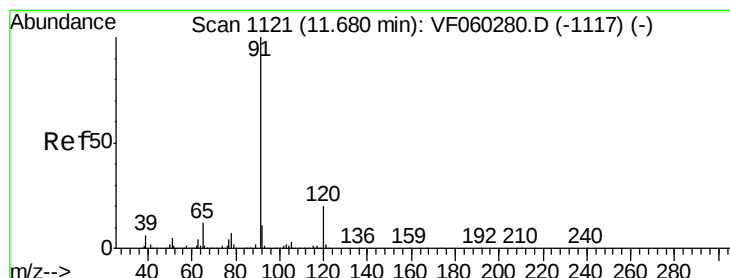
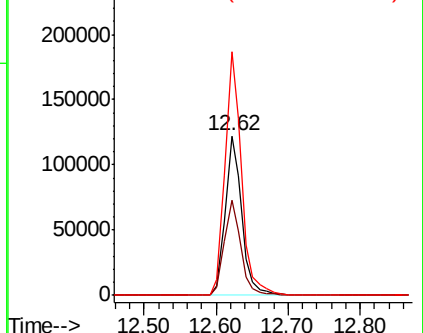
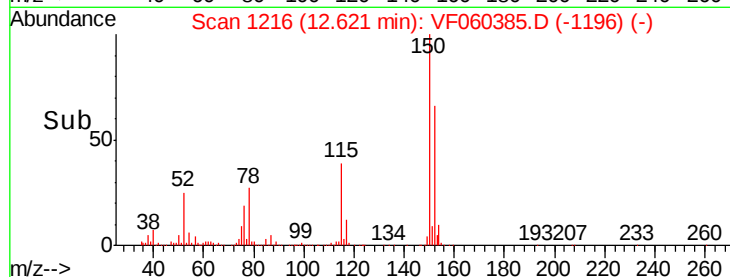


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

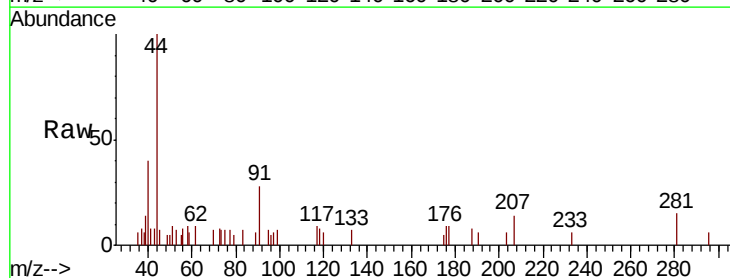
Ion 150.00 (149.70 to 150.70): V



#78

n-propylbenzene
Concen: Below Cal
RT: 11.68 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VF060385.D
Acq: 28 Sep 2018 23:36

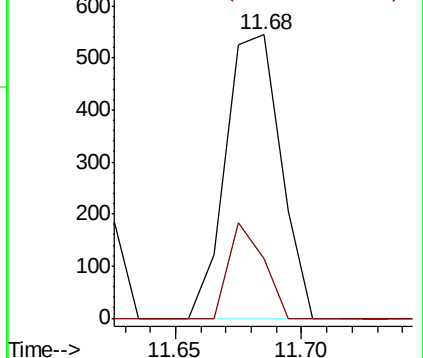
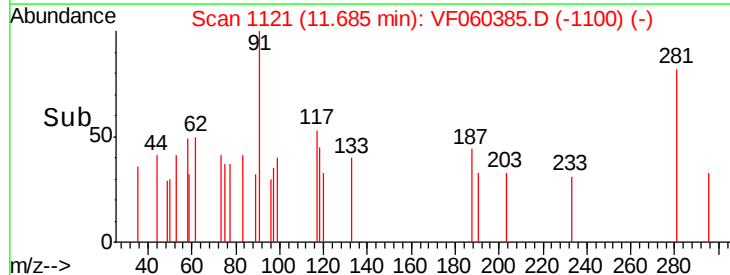
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.0	29.8

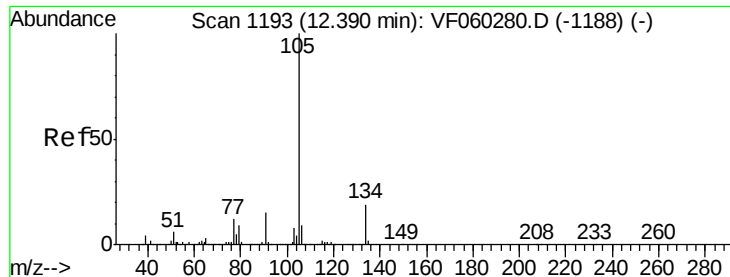


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

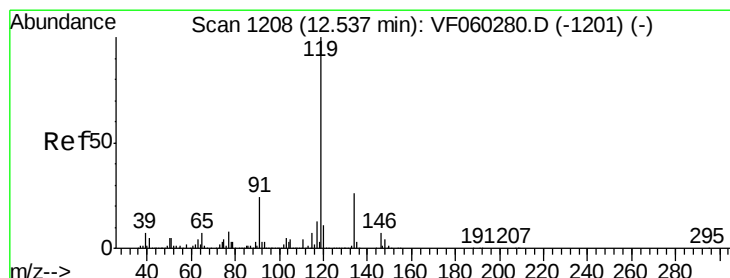
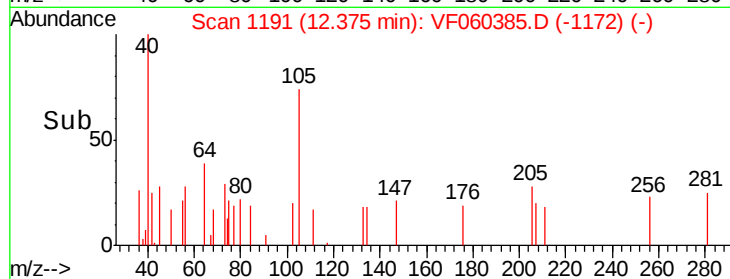
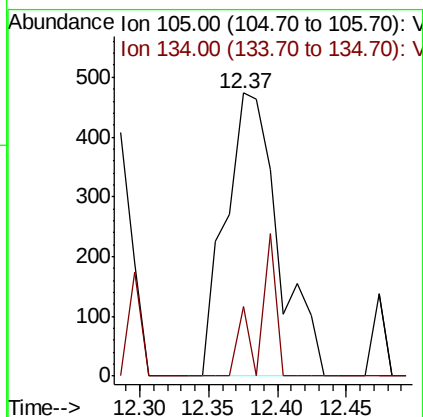
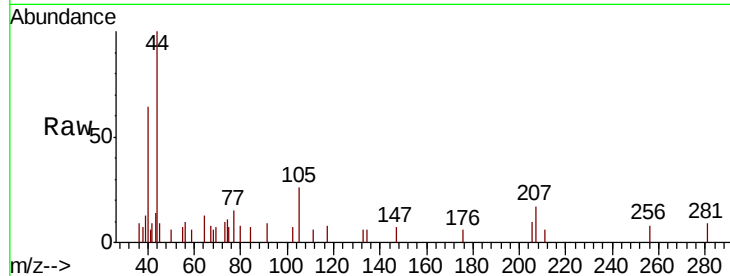




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF060385.D
 Acq: 28 Sep 2018 23:36

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

Tot Ion:105 Resp: 1266
 Ion Ratio Lower Upper
 105 100
 134 24.5 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VF060385.D
 Acq: 28 Sep 2018 23:36

Tgt Ion:119 Resp: 898
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.9 38.7#
 91 34.8 11.9 35.7

