

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\
 Data File : VF061328.D
 Acq On : 10 Jan 2019 6:04
 Operator : VA/AP
 Sample : K1006-19
 Misc : 6.97g/5mL/MSVOA-F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-03-010819-J

Quant Time: Jan 10 07:01:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	120774	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	217746	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	193679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	103493	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	84494	62.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.70%	
35) Dibromofluoromethane	4.13	113	86441	51.88	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	7.57	98	191851	38.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.82%	
62) 4-Bromofluorobenzene	11.42	95	103947	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

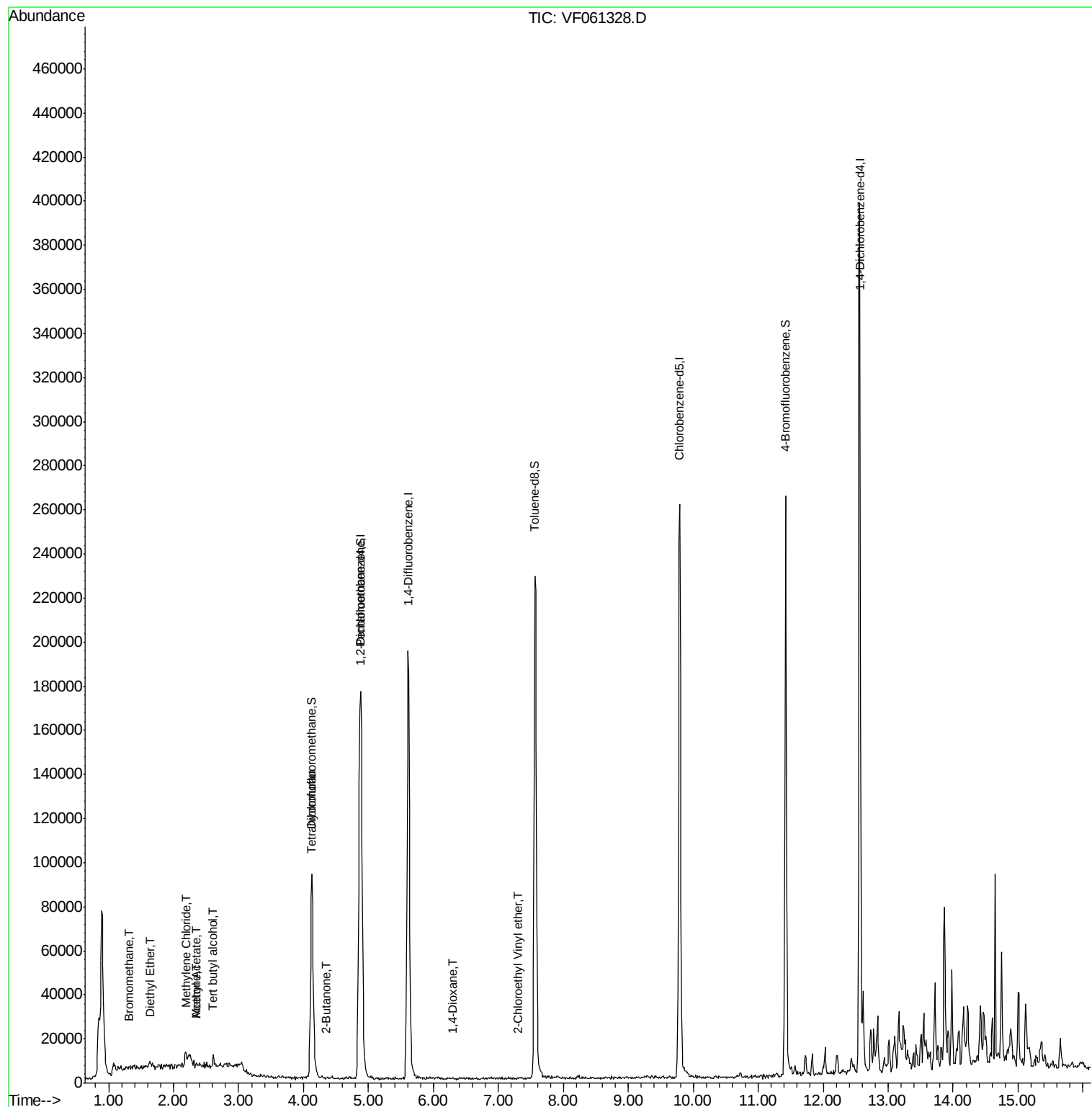
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.31	94	747	3.367	ug/l #	6
8) Diethyl Ether	1.62	74	857	1.942	ug/l	78
11) Tert butyl alcohol	2.61	59	60	1.115	ug/l #	1
13) Acrolein	2.08	56	114	Below Cal		83
16) Acetone	2.35	43	697	2.229	ug/l	95
18) Methyl Acetate	2.35	43	697	1.133	ug/l #	65
20) Methylene Chloride	2.20	84	3439	2.599	ug/l #	80
25) 2-Butanone	4.36	43	947	1.882	ug/l #	56
29) Tetrahydrofuran	4.11	42	692	3.288	ug/l #	43
49) 1,4-Dioxane	6.30	88	69	13.781	ug/l #	20
58) 2-Chloroethyl Vinyl ether	7.31	63	60	1.180	ug/l #	56

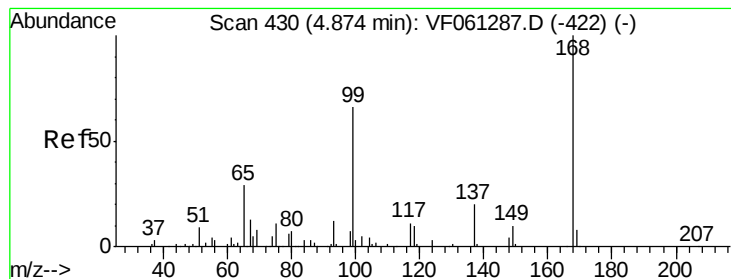
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF010919\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF061328.D

Acq: 10 Jan 2019 6:04

Instrument :

MSVOA_F

ClientSampleId :

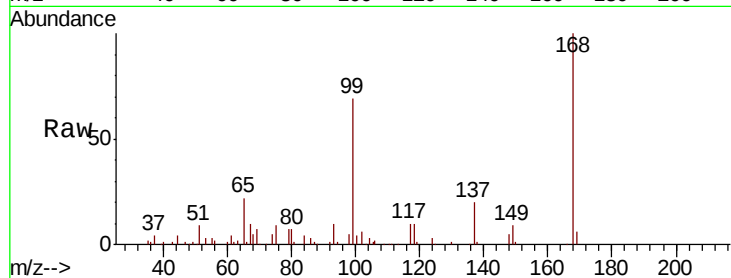
JC-03-010819-J

Tgt Ion:168 Resp: 120774

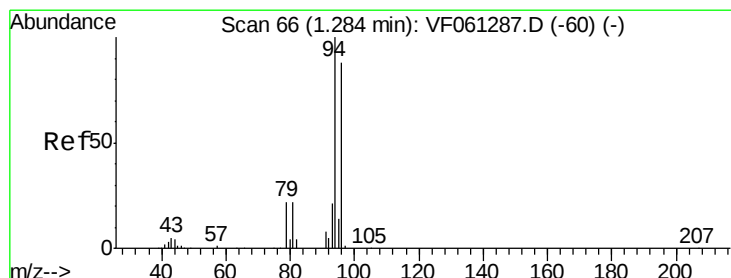
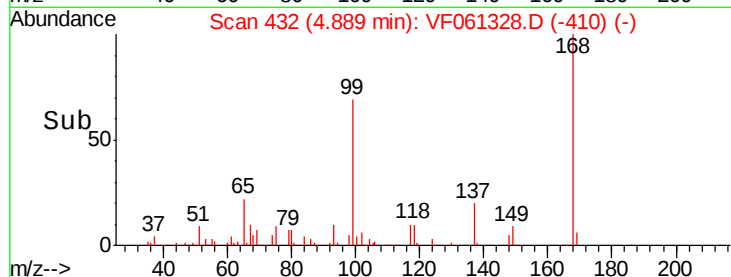
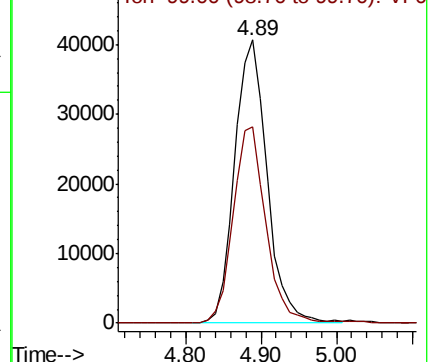
Ion Ratio Lower Upper

168 100

99 69.3 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0



#5

Bromomethane

Concen: 3.367 ug/l

RT: 1.31 min Scan# 69

Delta R.T. 0.02 min

Lab File: VF061328.D

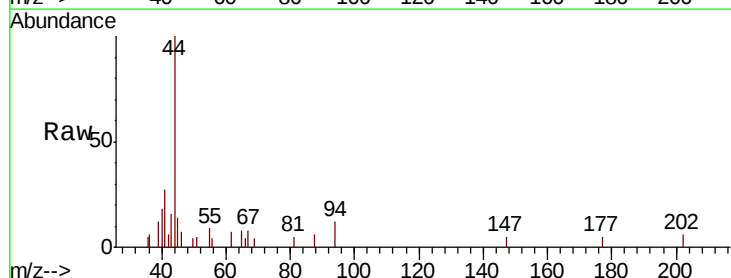
Acq: 10 Jan 2019 6:04

Tgt Ion: 94 Resp: 747

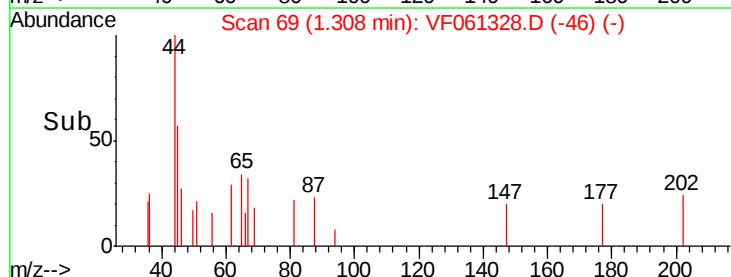
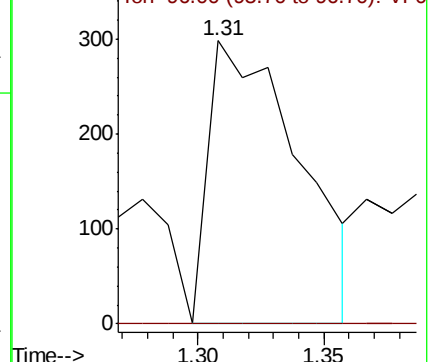
Ion Ratio Lower Upper

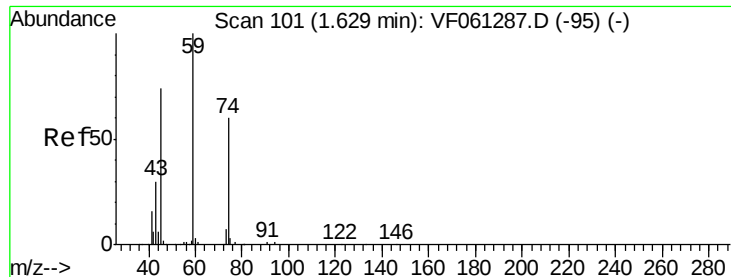
94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0





#8

Diethyl Ether

Concen: 1.942 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061328.D

Acq: 10 Jan 2019 6:04

Instrument :

MSVOA_F

ClientSampleId :

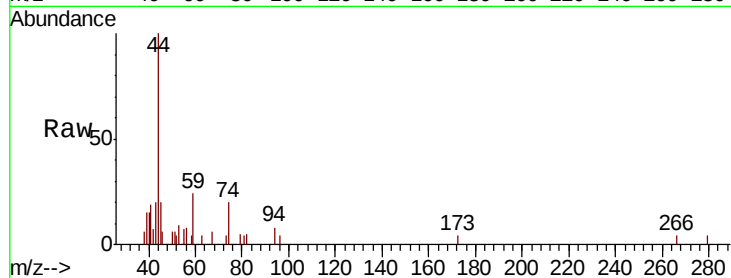
JC-03-010819-J

Tgt Ion: 74 Resp: 857

Ion Ratio Lower Upper

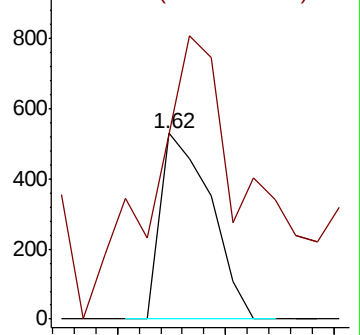
74 100

45 99.4 62.1 186.3

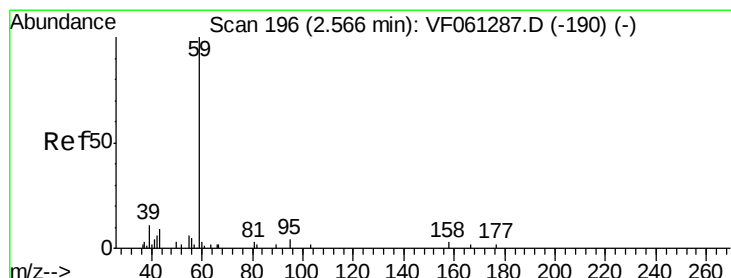
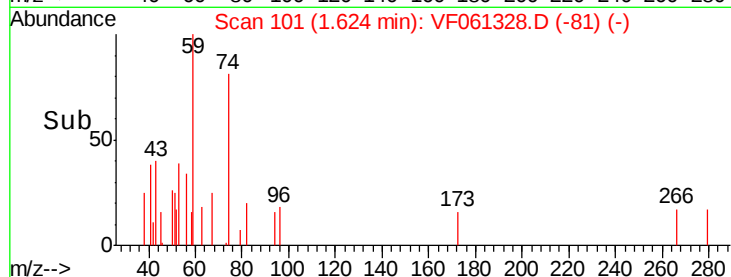


Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time-->



#11

Tert butyl alcohol

Concen: 1.115 ug/l

RT: 2.61 min Scan# 201

Delta R.T. 0.04 min

Lab File: VF061328.D

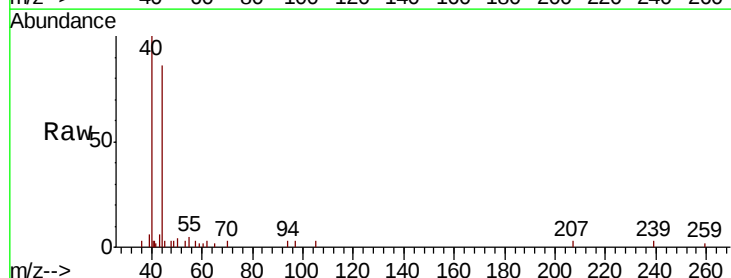
Acq: 10 Jan 2019 6:04

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

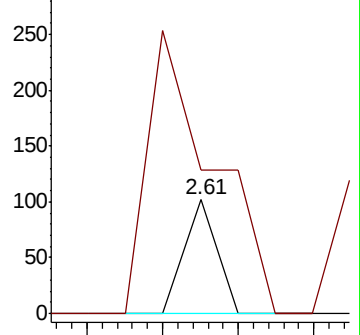
59 100

57 125.5 15.1 22.7#

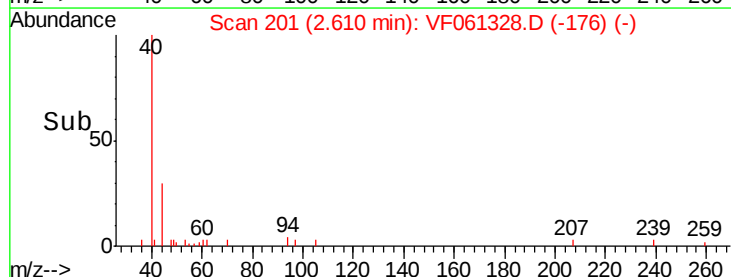


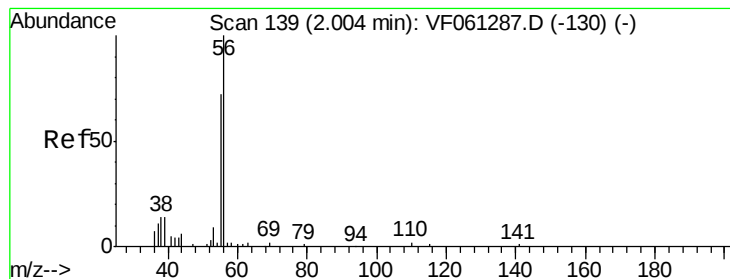
Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.08 min Scan# 147

Delta R.T. 0.07 min

Lab File: VF061328.D

Acq: 10 Jan 2019 6:04

Instrument :

MSVOA_F

ClientSampleId :

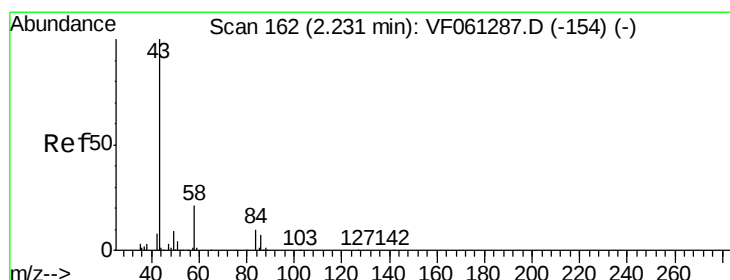
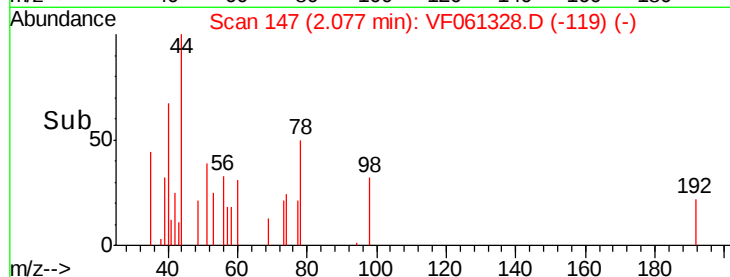
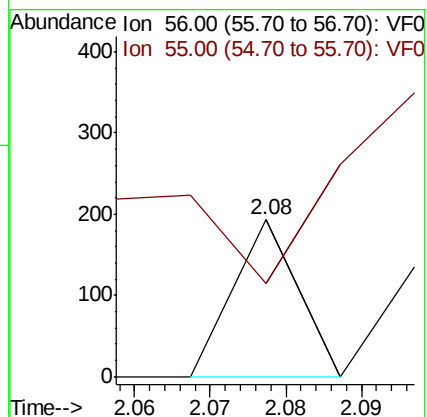
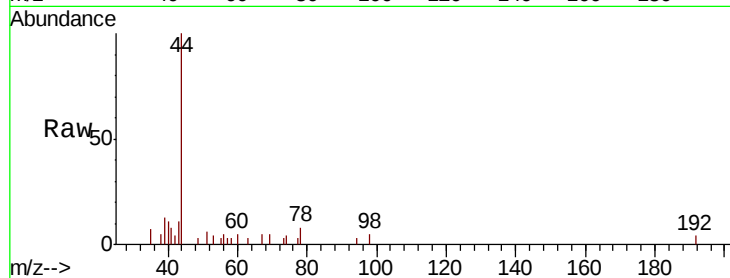
JC-03-010819-J

Tgt Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 59.6 59.4 89.0



#16

Acetone

Concen: 2.229 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.12 min

Lab File: VF061328.D

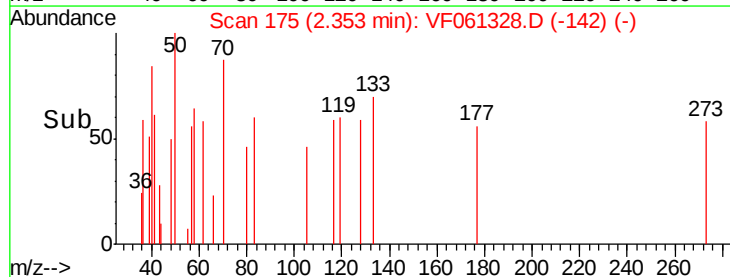
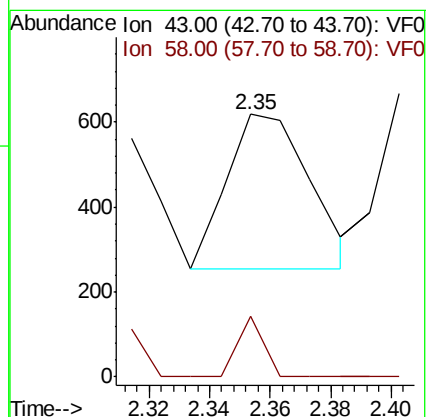
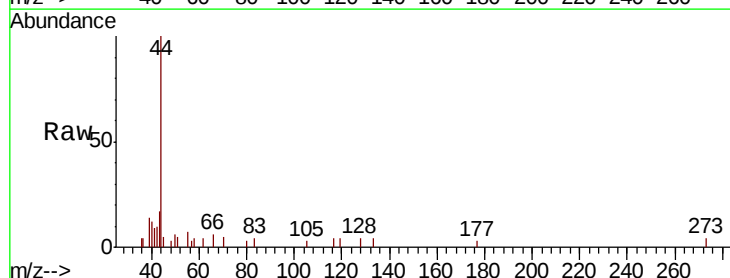
Acq: 10 Jan 2019 6:04

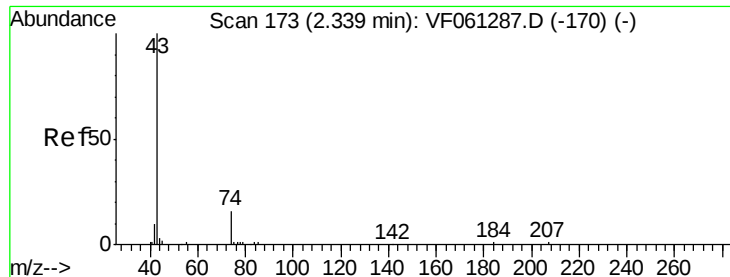
Tgt Ion: 43 Resp: 697

Ion Ratio Lower Upper

43 100

58 23.1 16.6 25.0

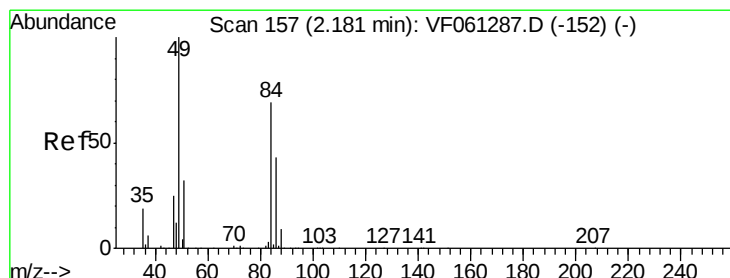
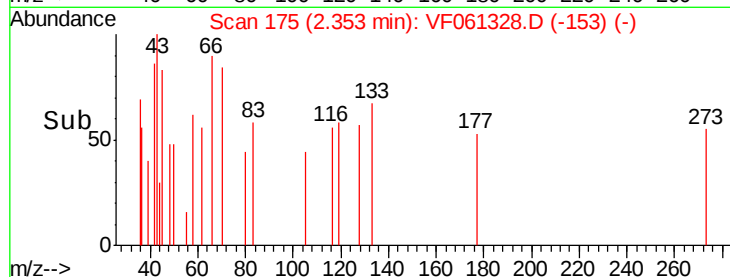
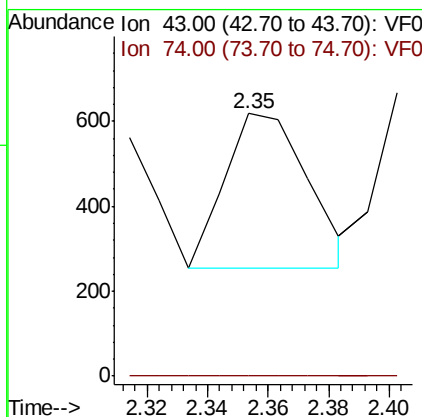
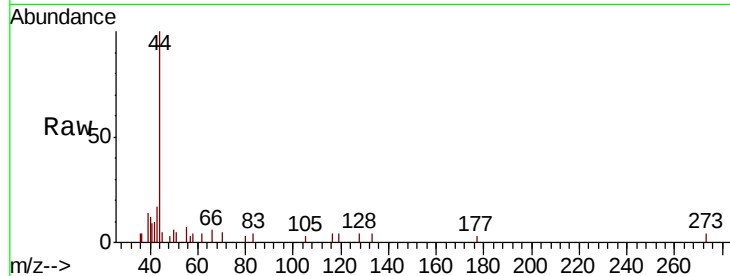




#18
Methyl Acetate
Concen: 1.133 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061328.D
Acq: 10 Jan 2019 6:04

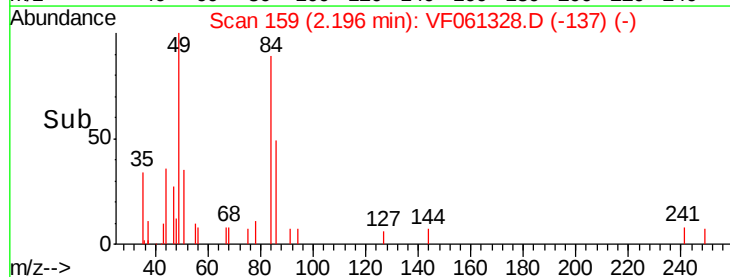
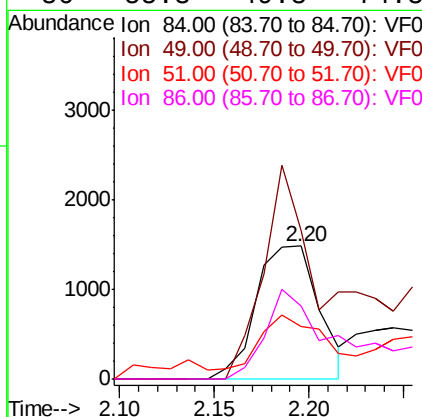
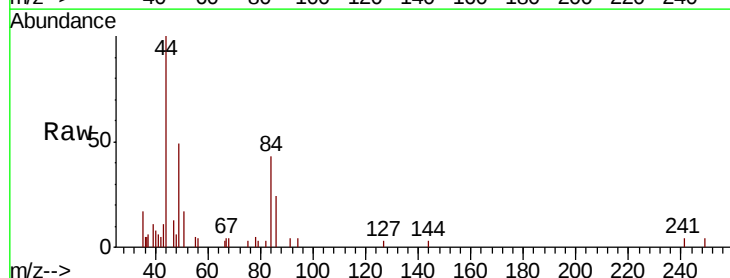
Instrument :
MSVOA_F
ClientSampleId :
JC-03-010819-J

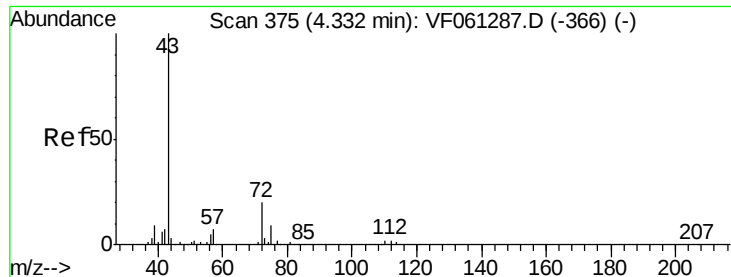
Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#20
Methylene Chloride
Concen: 2.599 ug/l
RT: 2.20 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF061328.D
Acq: 10 Jan 2019 6:04

Tgt Ion: 84 Resp: 3439
Ion Ratio Lower Upper
84 100
49 112.0 116.6 175.0#
51 39.2 37.7 56.5
86 55.3 49.8 74.8





#25

2-Butanone

Concen: 1.882 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF061328.D

Acq: 10 Jan 2019 6:04

Instrument :

MSVOA_F

ClientSampleId :

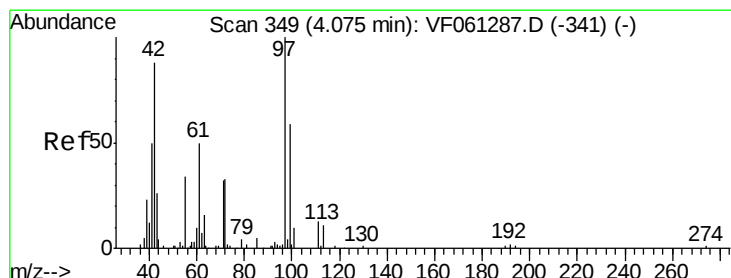
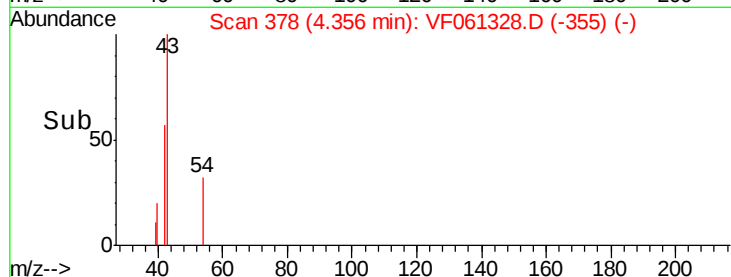
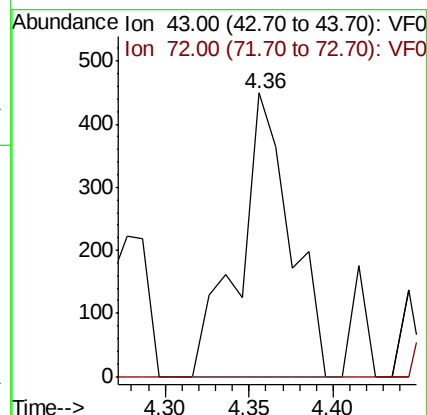
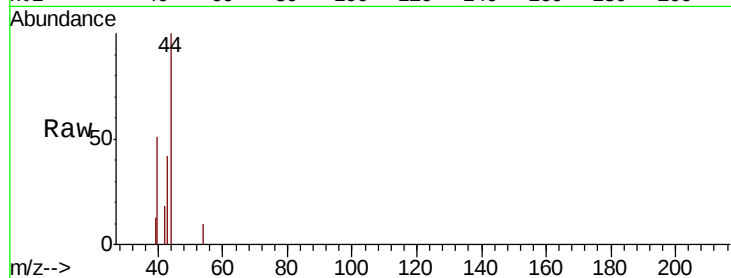
JC-03-010819-J

Tgt Ion: 43 Resp: 947

Ion Ratio Lower Upper

43 100

72 0.0 16.5 24.7#



#29

Tetrahydrofuran

Concen: 3.288 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.03 min

Lab File: VF061328.D

Acq: 10 Jan 2019 6:04

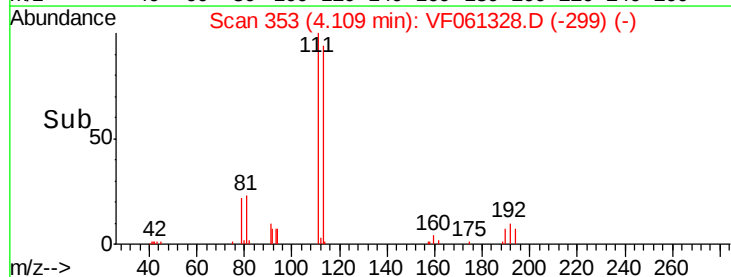
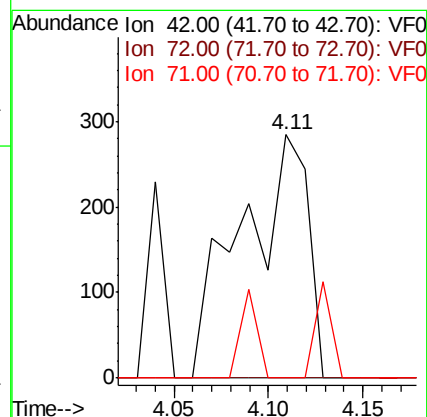
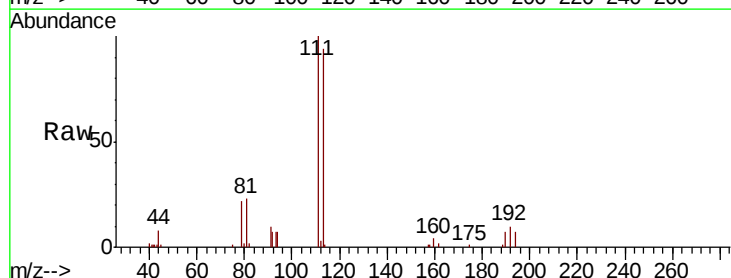
Tgt Ion: 42 Resp: 692

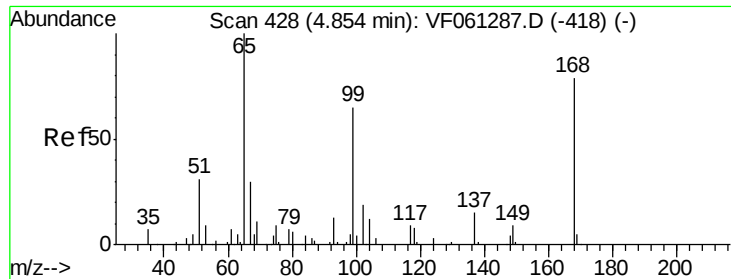
Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

71 8.8 29.5 44.3#





#33

1,2-Dichloroethane-d4

Concen: 62.854 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061328.D

Acq: 10 Jan 2019 6:04

Instrument :

MSVOA_F

ClientSampleId :

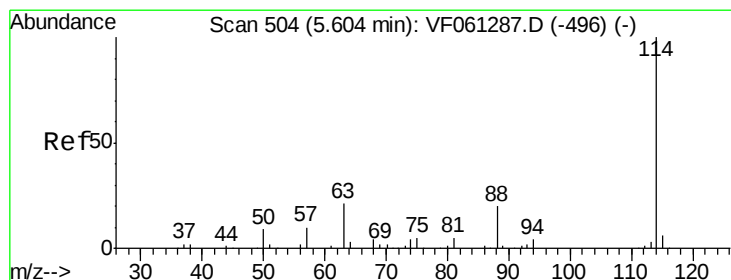
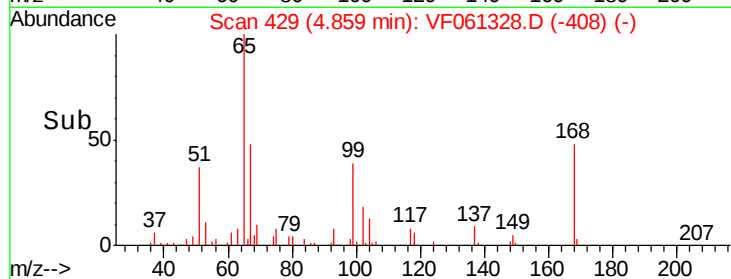
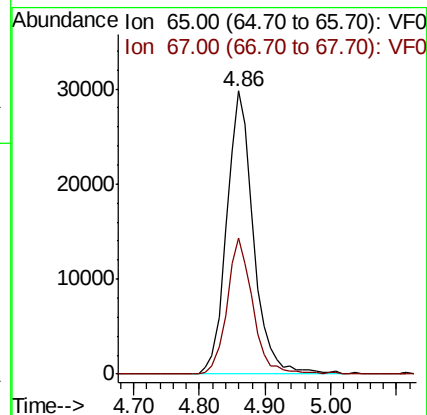
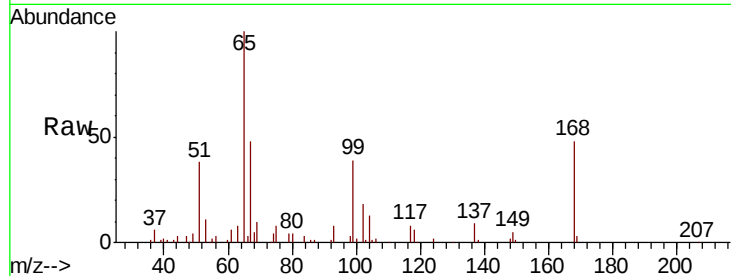
JC-03-010819-J

Tgt Ion: 65 Resp: 84494

Ion Ratio Lower Upper

65 100

67 48.2 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.00 min

Lab File: VF061328.D

Acq: 10 Jan 2019 6:04

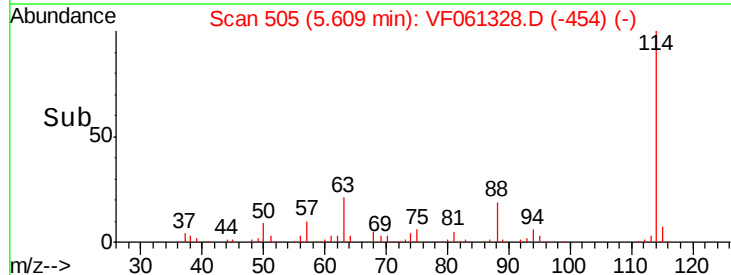
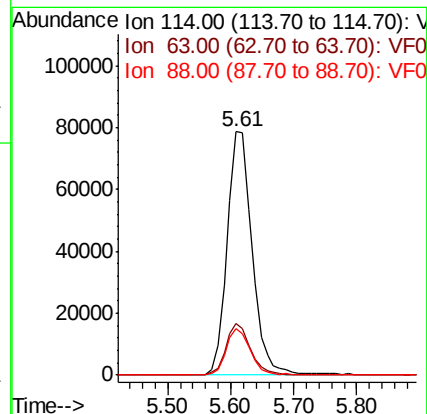
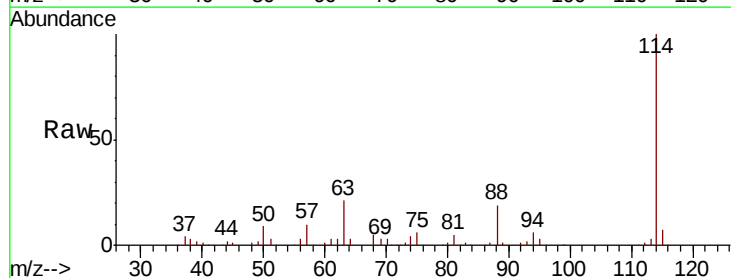
Tgt Ion: 114 Resp: 217746

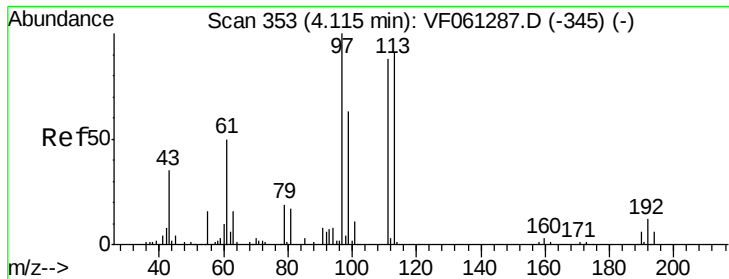
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

88 19.3 0.0 40.0

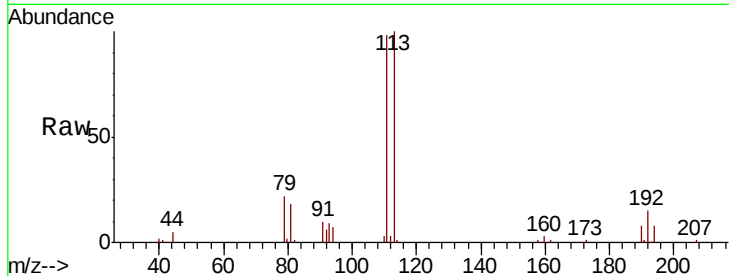




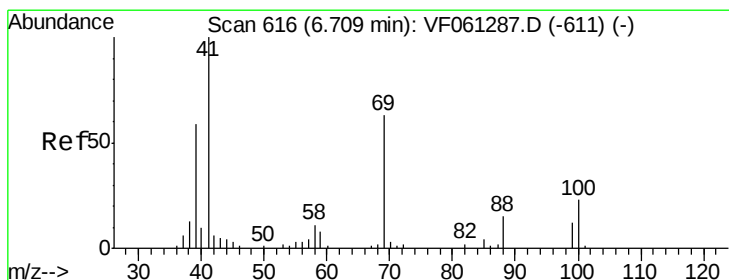
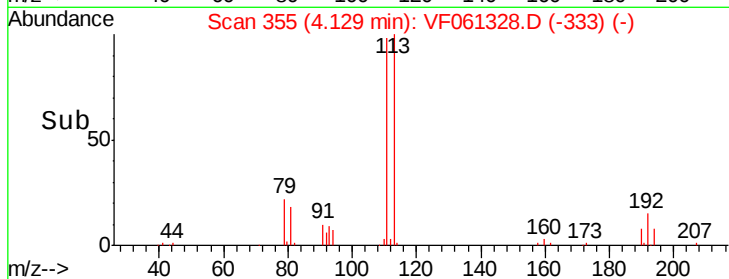
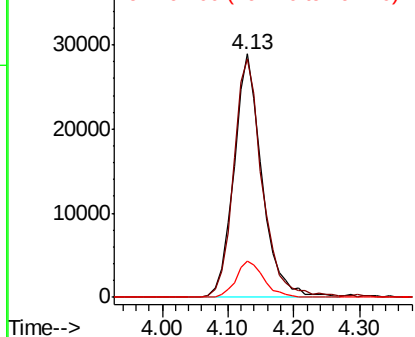
#35
Dibromofluoromethane
Concen: 51.882 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF061328.D
Acq: 10 Jan 2019 6:04

Instrument :
MSVOA_F
ClientSampleId :
JC-03-010819-J

Tgt Ion: 113 Resp: 86441
Ion Ratio Lower Upper
113 100
111 97.7 78.0 117.0
192 14.8 10.6 16.0

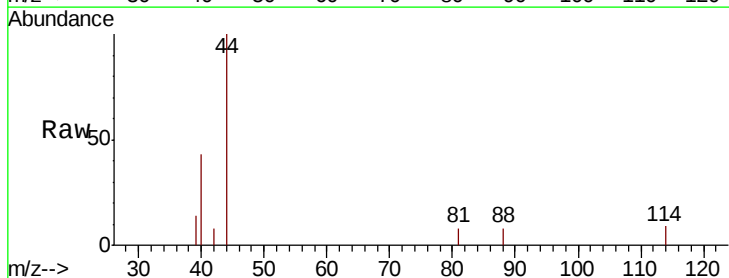


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

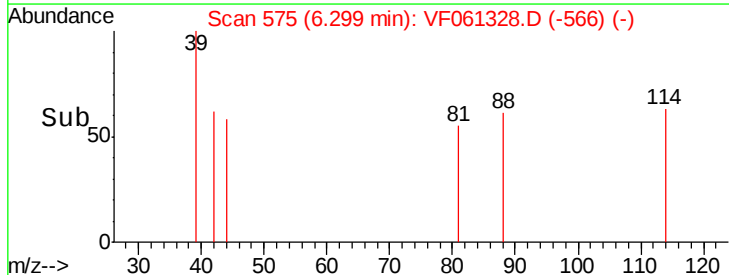
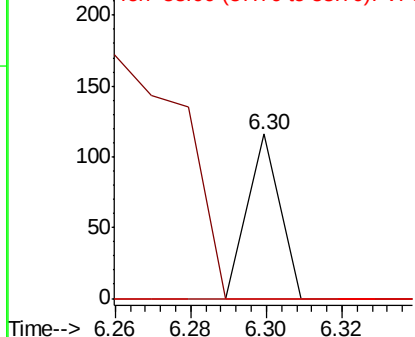


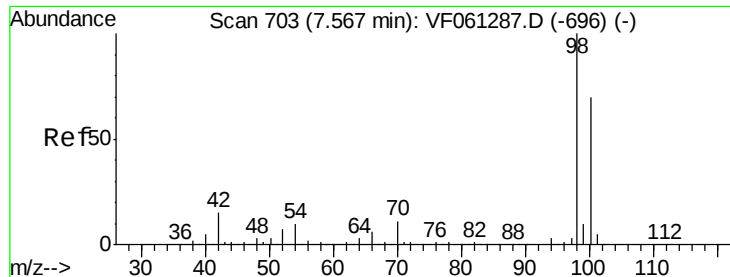
#49
1,4-Dioxane
Concen: 13.781 ug/l
RT: 6.30 min Scan# 575
Delta R.T. -0.41 min
Lab File: VF061328.D
Acq: 10 Jan 2019 6:04

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 38.5 57.7#
58 0.0 57.0 85.4#



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: 38.911 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF061328.D

Acq: 10 Jan 2019 6:04

Instrument :

MSVOA_F

ClientSampleId :

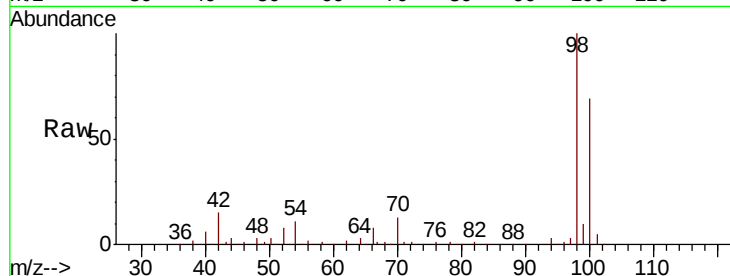
JC-03-010819-J

Tgt Ion: 98 Resp: 191851

Ion Ratio Lower Upper

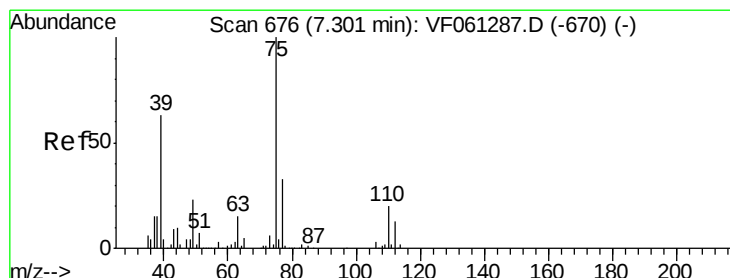
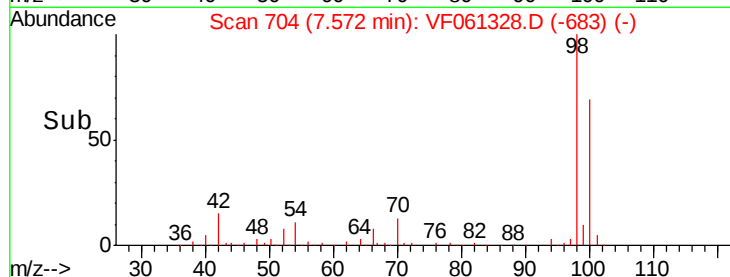
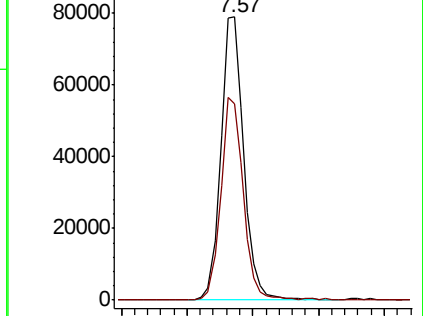
98 100

100 69.2 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#58

2-Chloroethyl Vinyl ether

Concen: 1.180 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF061328.D

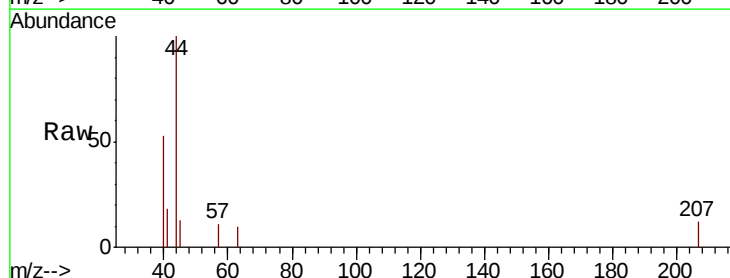
Acq: 10 Jan 2019 6:04

Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

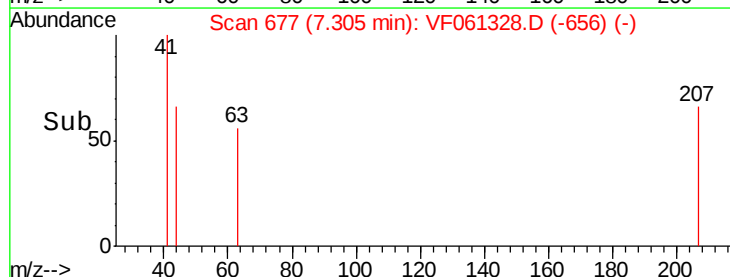
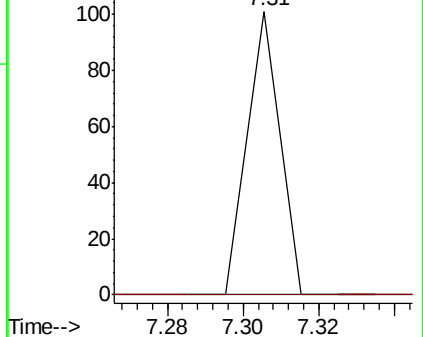
63 100

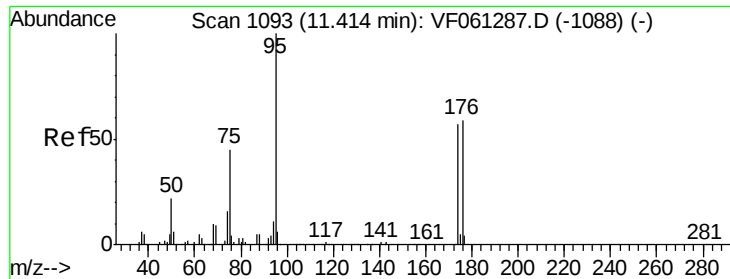
106 0.0 16.5 24.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

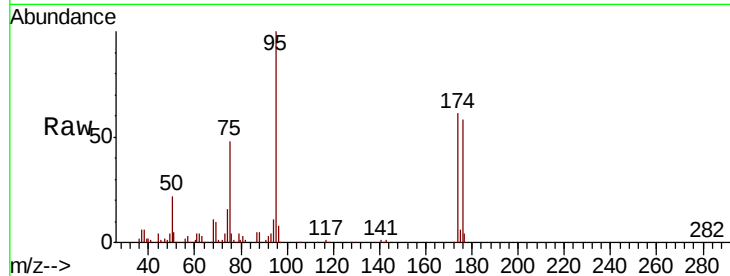




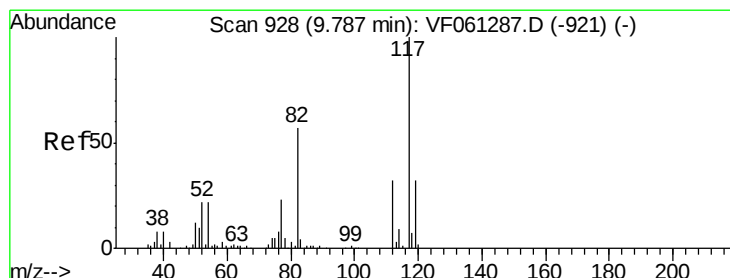
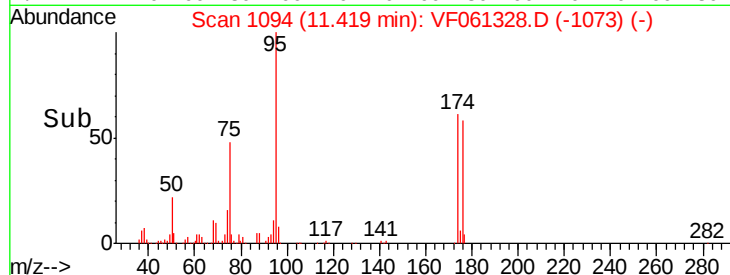
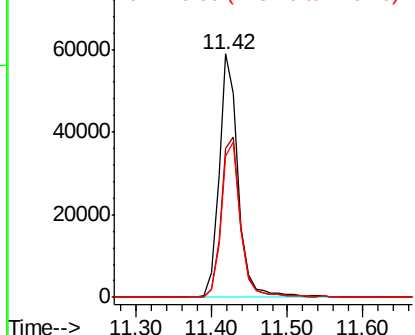
#62
4-Bromofluorobenzene
Concen: 48.282 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF061328.D
Acq: 10 Jan 2019 6:04

Instrument :
MSVOA_F
ClientSampleId :
JC-03-010819-J

Tgt Ion: 95 Resp: 103947
Ion Ratio Lower Upper
95 100
174 61.2 0.0 114.2
176 58.0 0.0 117.8

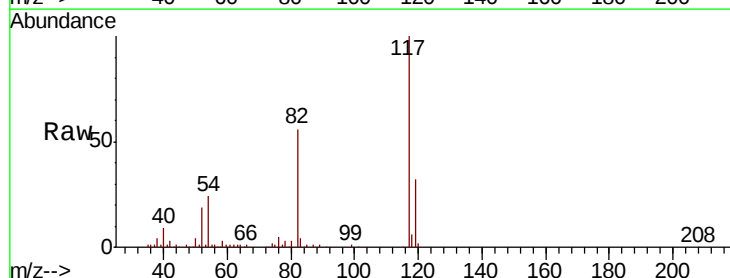


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

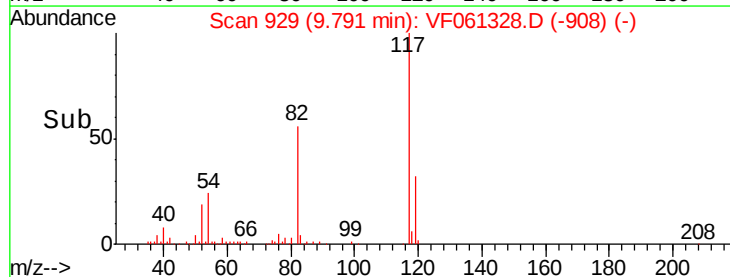
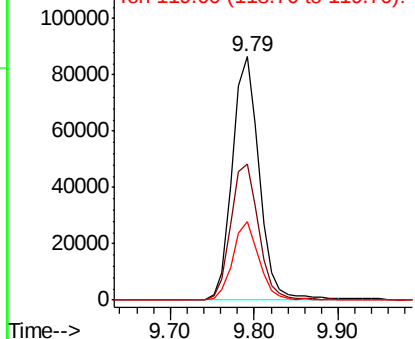


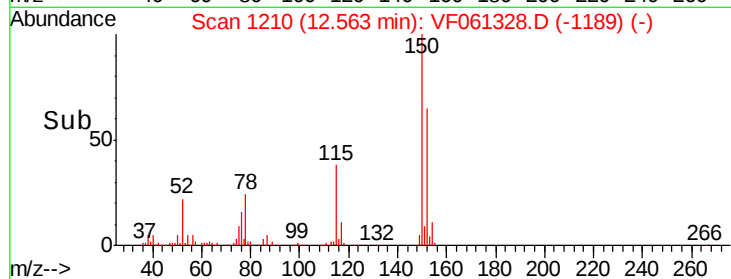
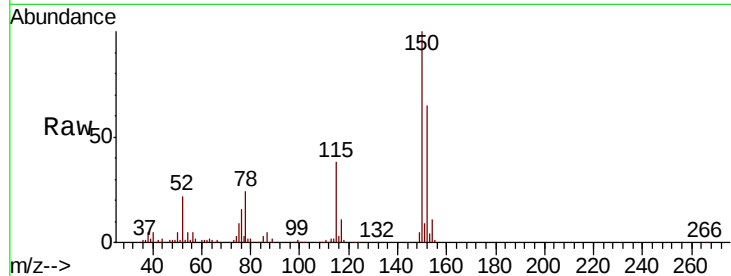
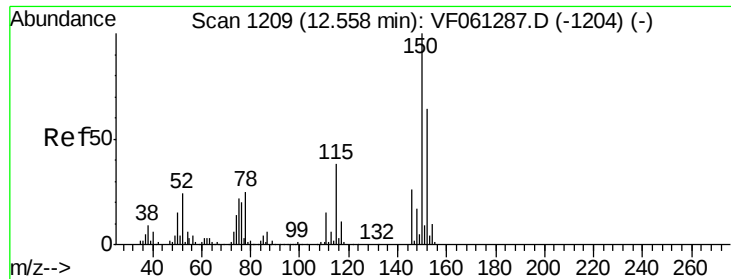
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061328.D
Acq: 10 Jan 2019 6:04

Tgt Ion: 117 Resp: 193679
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 32.1 25.4 38.0



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: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061328.D

Acq: 10 Jan 2019 6:04

Instrument :

MSVOA_F

ClientSampleId :

JC-03-010819-J

Tgt Ion:152 Resp: 103493

Ion Ratio Lower Upper

152 100

115 57.8 29.6 88.9

150 154.0 0.0 315.4

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

