

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061473.D
 Acq On : 21 Jan 2019 14:59
 Operator : VA/AP
 Sample : K1009-03RE
 Misc : 6.39g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-011819-BRE

Quant Time: Jan 22 06:29:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	178	50.00	ug/l	0.00
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.77
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.72	65	65	8.95	ug/l	-0.11
Spiked Amount	50.000		Recovery	=	17.90%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.54	98	219	56.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.82%	
62) 4-Bromofluorobenzene	11.44	95	66	36.71	ug/l	0.04
Spiked Amount	50.000		Recovery	=	73.42%	

Target Compounds

						Qvalue
3) Chloromethane	1.10	50	108	12.749	ug/l #	44
5) Bromomethane	1.32	94	327	66.545	ug/l #	63
6) Chloroethane	1.38	64	131	39.232	ug/l #	41
8) Diethyl Ether	1.69	74	108	57.535	ug/l	48
11) Tert butyl alcohol	2.53	59	76	247.327	ug/l #	1
12) 1,1-Dichloroethene	1.82	96	63	12.047	ug/l #	1
13) Acrolein	1.97	56	489	1781.467	ug/l	100
14) Allyl chloride	2.12	41	390	66.951	ug/l #	48
15) Acrylonitrile	2.92	53	83	105.449	ug/l #	9
16) Acetone	2.21	43	275	188.826	ug/l #	81
18) Methyl Acetate	2.35	43	614	212.589	ug/l #	61
19) Methyl tert-butyl Ether	2.50	73	70	5.971	ug/l #	59
20) Methylene Chloride	2.11	84	66	12.015	ug/l #	1
21) trans-1,2-Dichloroethene	2.45	96	66	11.471	ug/l #	1
22) Diisopropyl ether	2.81	45	474	25.469	ug/l #	56
23) Vinyl Acetate	3.14	43	688	86.168	ug/l #	78
24) 1,1-Dichloroethane	2.88	63	62	5.308	ug/l #	85
25) 2-Butanone	4.35	43	244	100.749	ug/l #	57
26) 2,2-Dichloropropane	3.55	77	62	8.639	ug/l #	61
29) Tetrahydrofuran	4.06	42	223	213.839	ug/l #	38
31) Cyclohexane	3.73	56	70	5.999	ug/l #	13
37) Ethyl Acetate	4.09	43	91	110.306	ug/l #	5
39) Methylcyclohexane	5.54	83	62	27.721	ug/l #	39
41) Methacrylonitrile	4.74	41	91	207.302	ug/l #	49
42) 1,2-Dichloroethane	5.04	62	138	84.329	ug/l	76
43) Isopropyl Acetate	6.95	43	122	117.828	ug/l #	27
48) Methyl methacrylate	6.77	41	190	273.272	ug/l #	19
49) 1,4-Dioxane	7.04	88	68	14981.506	ug/l #	13
51) 4-Methyl-2-Pentanone	8.26	43	173	227.277	ug/l #	39
56) Ethyl methacrylate	8.51	69	62	62.053	ug/l #	6
59) 2-Hexanone	9.51	43	207	389.985	ug/l #	26
61) 1,2-Dibromoethane	8.96	107	62	63.063	ug/l #	5

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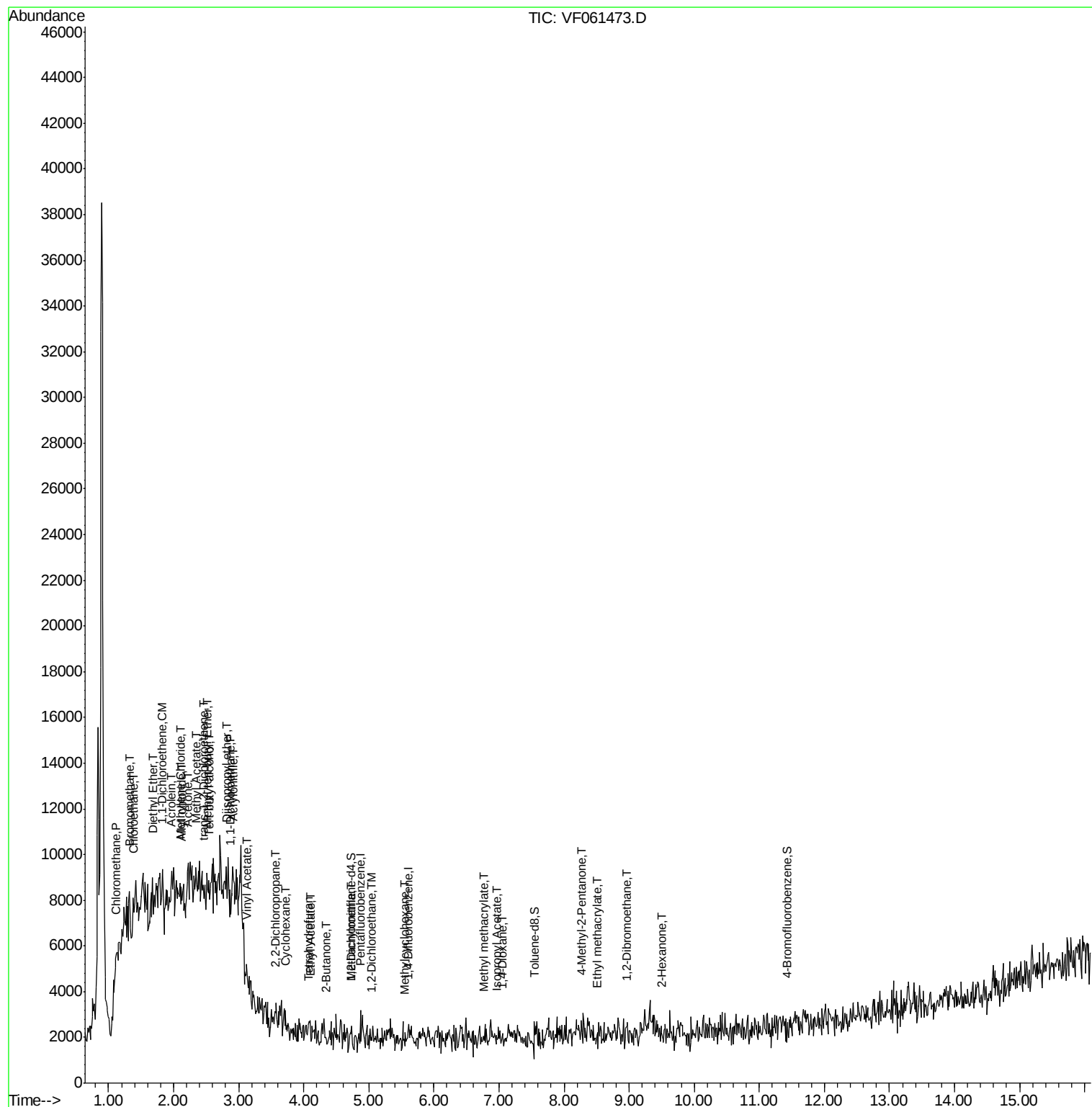
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

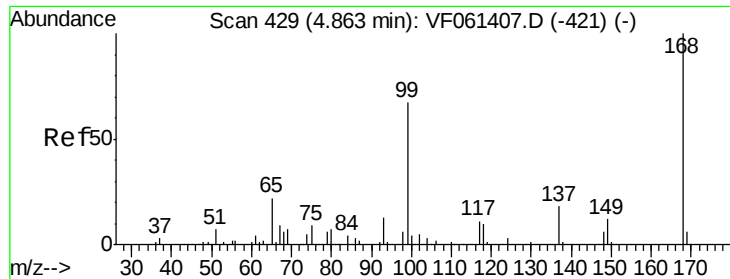
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

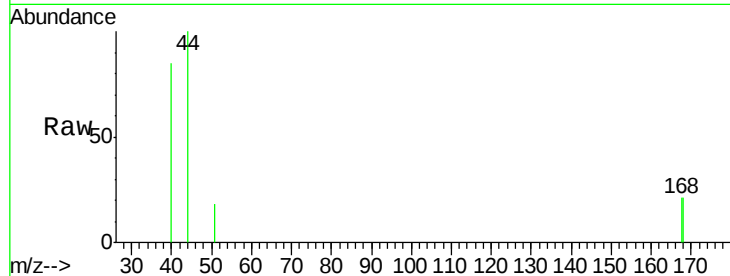
CL-01-011819-BRE

Tot Ion:168 Resp: 588

Ion Ratio Lower Upper

168 100

99 0.0 53.5 80.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

300

200

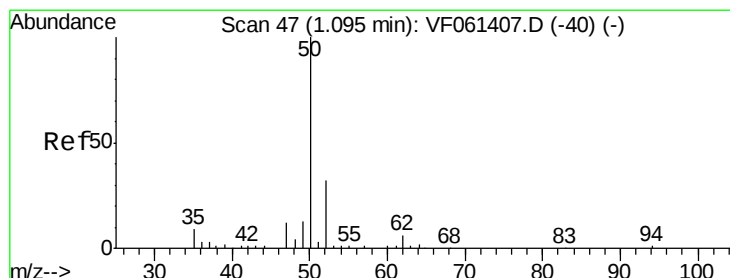
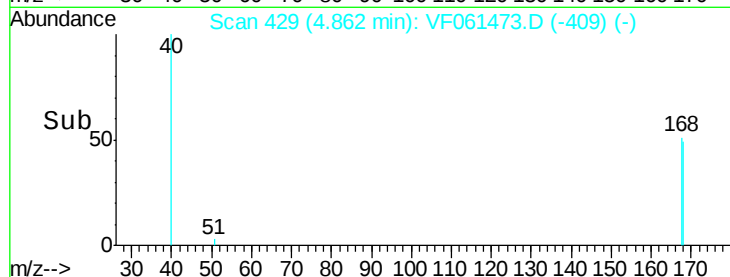
100

0

4.85

4.90

Time-->



#3

Chloromethane

Concen: 12.749 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061473.D

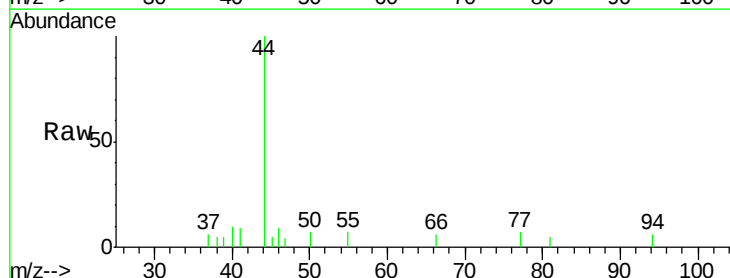
Acq: 21 Jan 2019 14:59

Tgt Ion: 50 Resp: 108

Ion Ratio Lower Upper

50 100

52 0.0 24.6 36.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

200

150

100

50

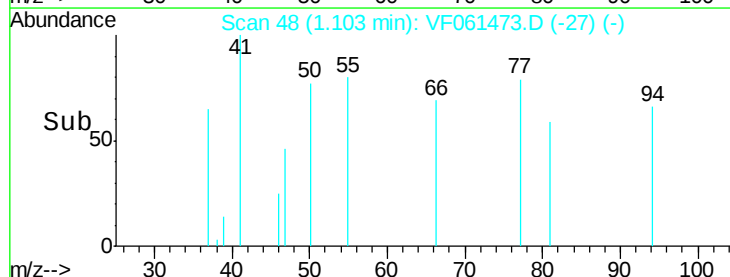
0

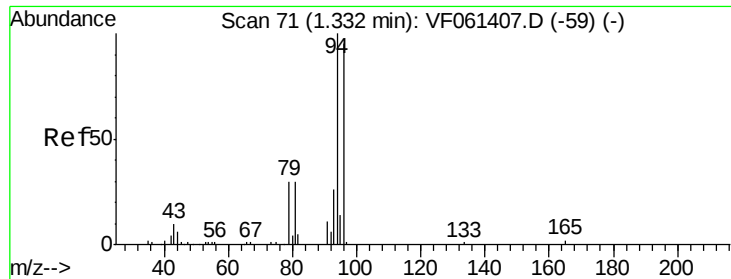
1.08

1.10

1.12

Time-->





#5

Bromomethane

Concen: 66.545 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

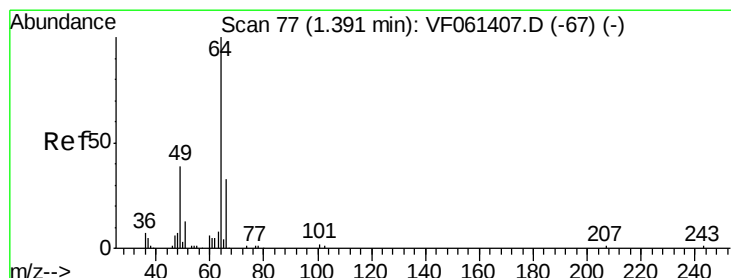
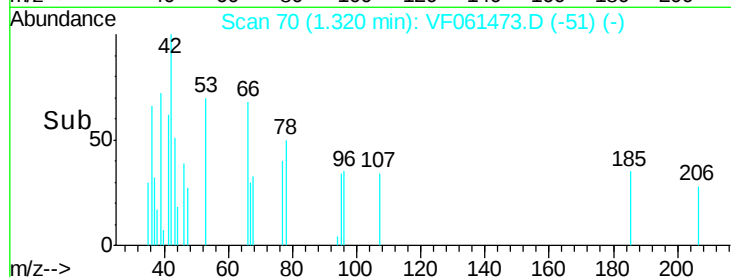
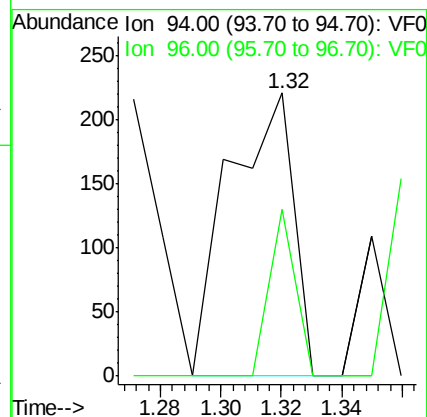
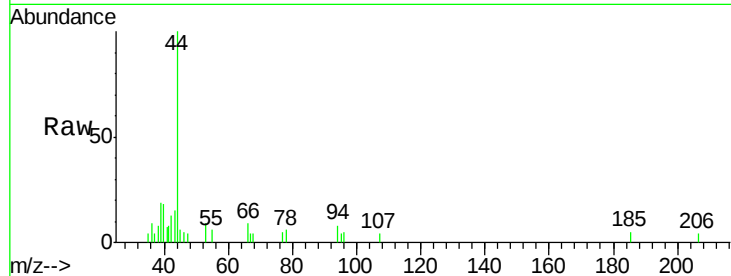
CL-01-011819-BRE

Tot Ion: 94 Resp: 327

Ion Ratio Lower Upper

94 100

96 58.8 76.0 114.0#



#6

Chloroethane

Concen: 39.232 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061473.D

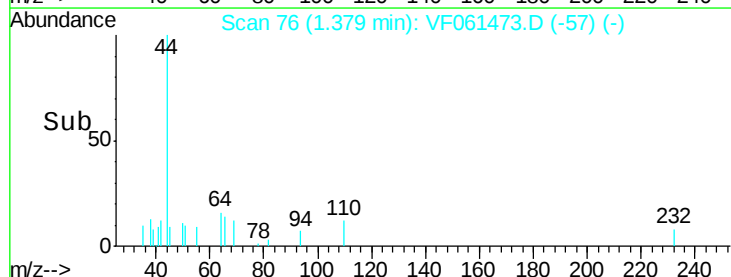
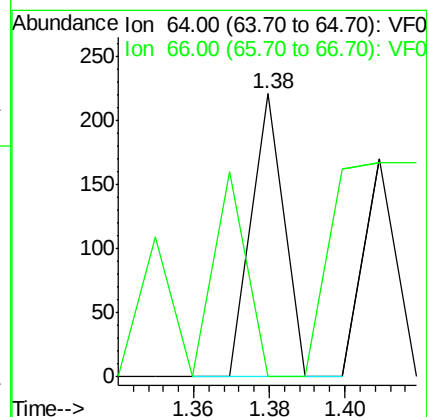
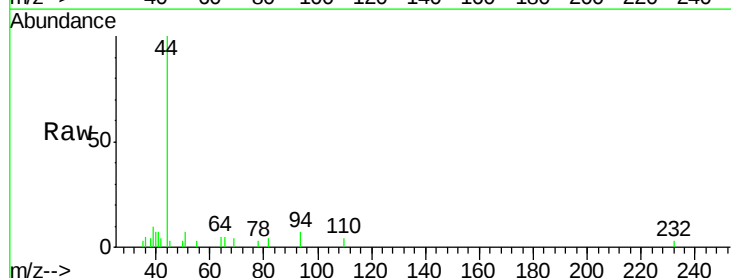
Acq: 21 Jan 2019 14:59

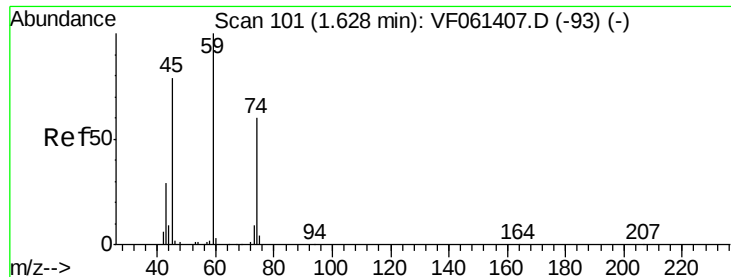
Tgt Ion: 64 Resp: 131

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#





#8

Diethyl Ether

Concen: 57.535 ug/l

RT: 1.69 min Scan# 107

Delta R.T. 0.06 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

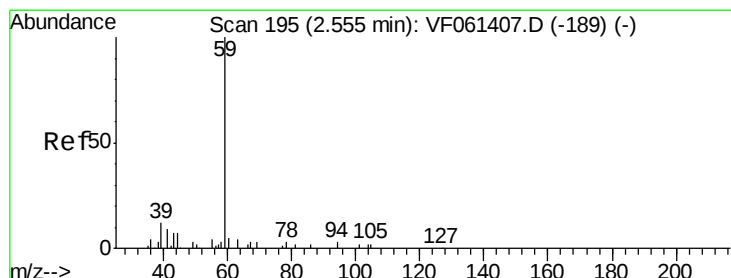
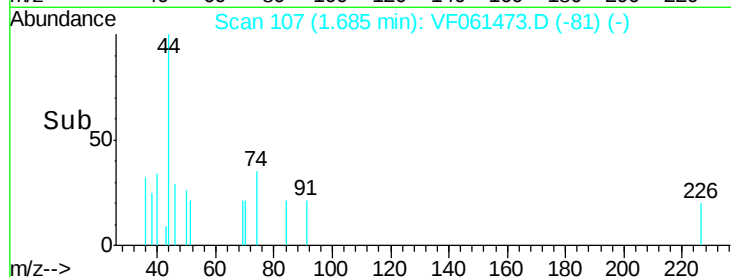
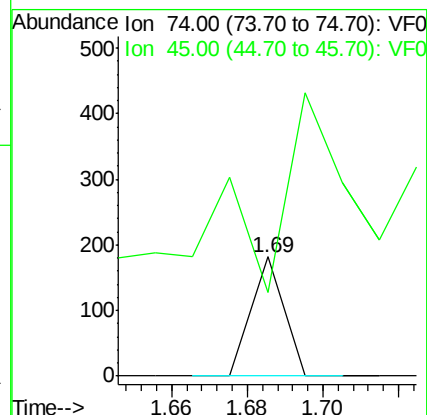
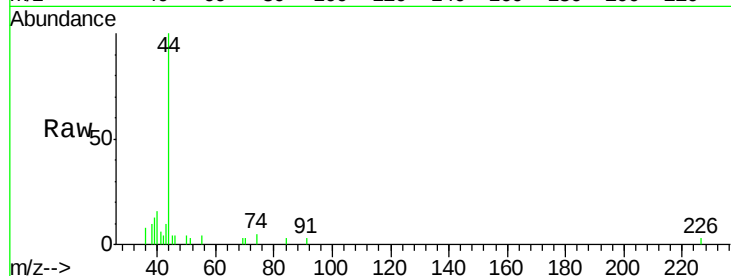
CL-01-011819-BRE

Tot Ion: 74 Resp: 108

Ion Ratio Lower Upper

74 100

45 70.3 65.8 197.5



#11

Tert butyl alcohol

Concen: 247.327 ug/l

RT: 2.53 min Scan# 193

Delta R.T. -0.02 min

Lab File: VF061473.D

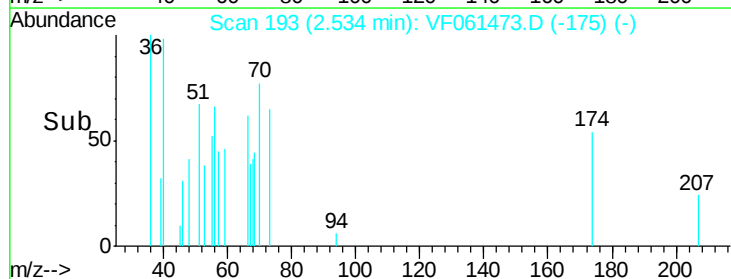
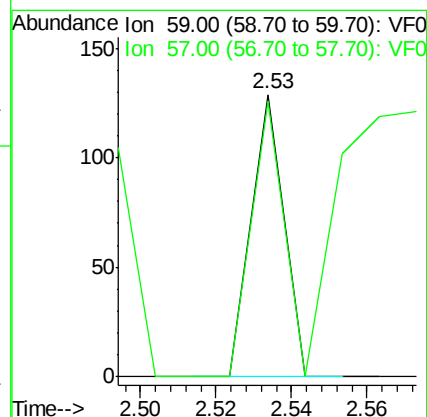
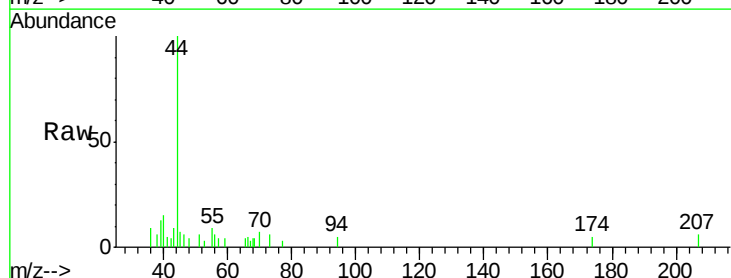
Acq: 21 Jan 2019 14:59

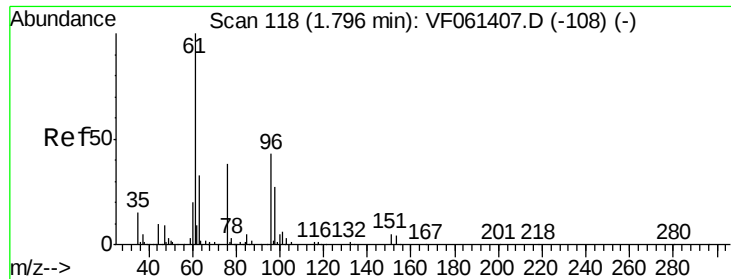
Tgt Ion: 59 Resp: 76

Ion Ratio Lower Upper

59 100

57 97.7 11.9 17.9#





#12

1,1-Dichloroethene

Concen: 12.047 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.03 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

CL-01-011819-BRE

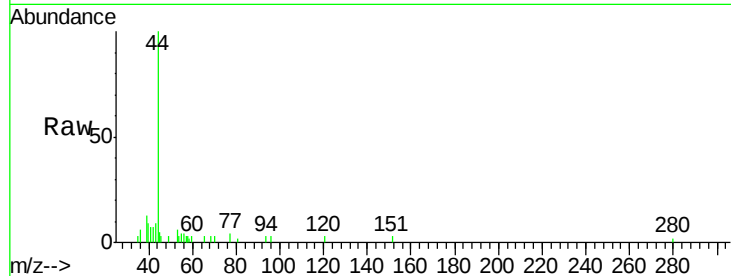
Tot Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 186.9 280.3#

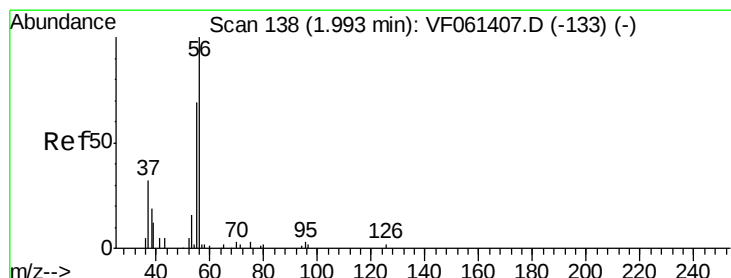
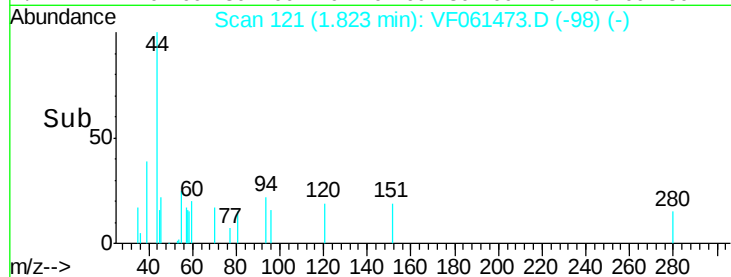
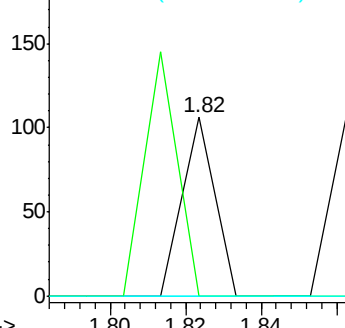
98 0.0 53.0 79.4#



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



#13

Acrolein

Concen: 1781.467 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.02 min

Lab File: VF061473.D

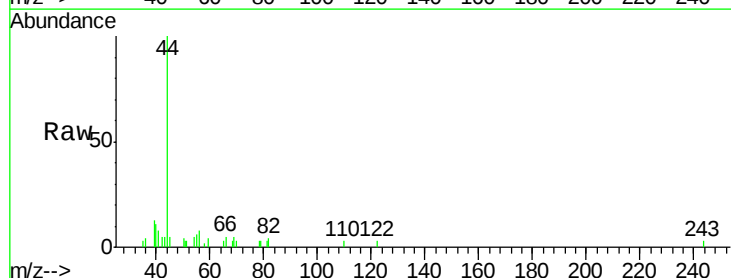
Acq: 21 Jan 2019 14:59

Tgt Ion: 56 Resp: 489

Ion Ratio Lower Upper

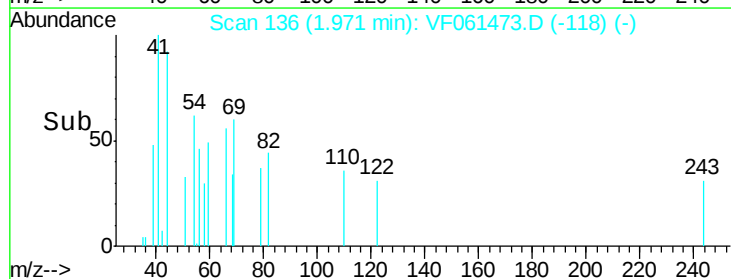
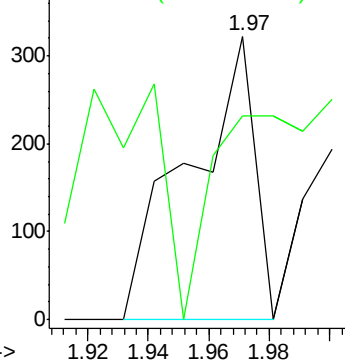
56 100

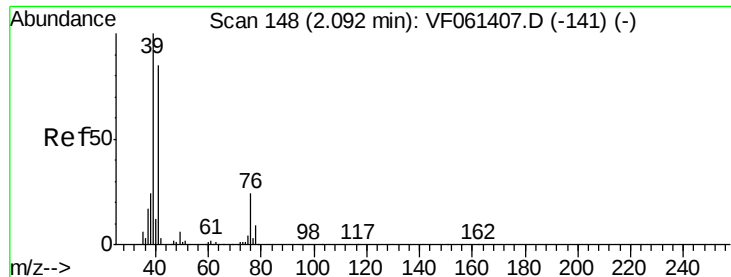
55 72.0 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 66.951 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.03 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

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CL-01-011819-BRE

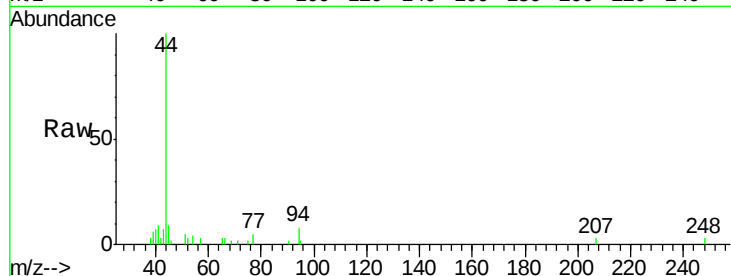
Tot Ion: 41 Resp: 390

Ion Ratio Lower Upper

41 100

39 63.3 94.6 141.8#

76 0.0 25.9 38.9#

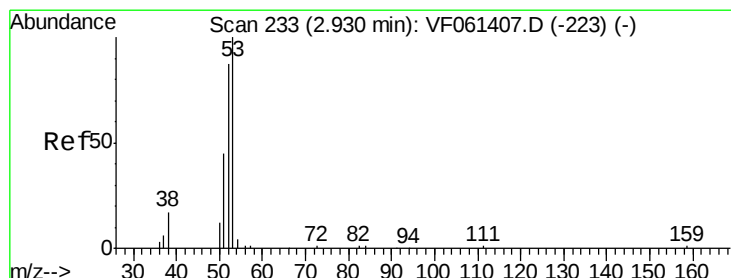
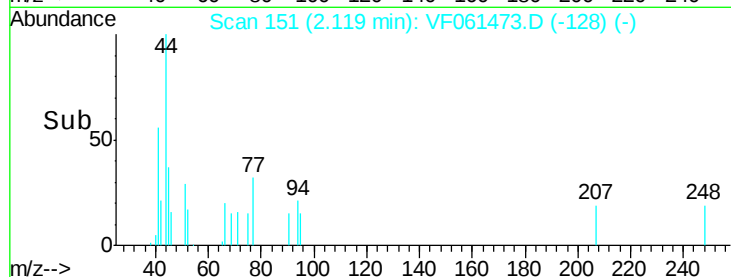
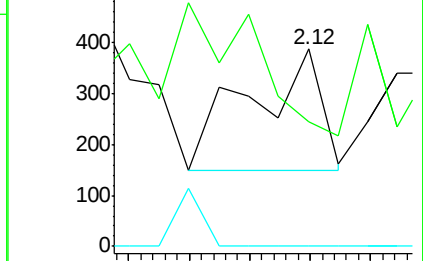


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.12



#15

Acrylonitrile

Concen: 105.449 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

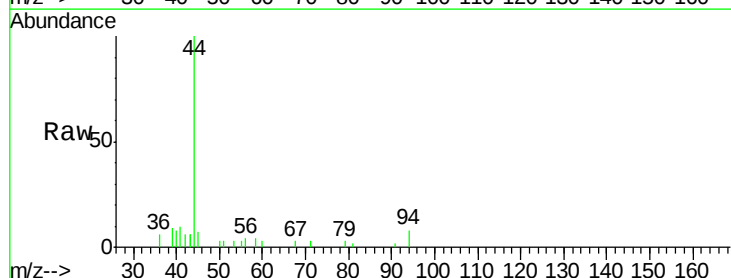
Tgt Ion: 53 Resp: 83

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 101.4 36.8 55.2#

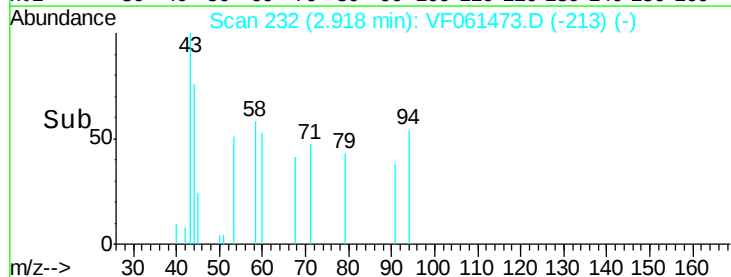
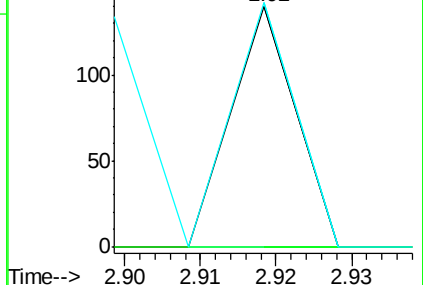


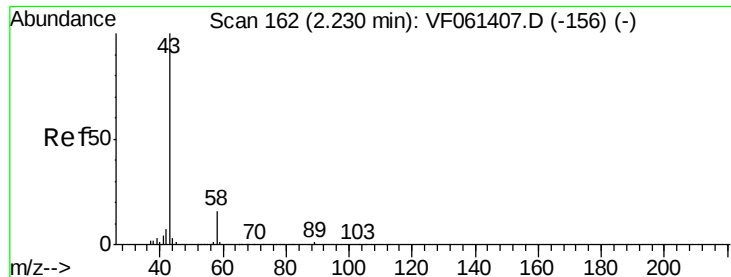
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

2.92





#16

Acetone

Concen: 188.826 ug/l

RT: 2.21 min Scan# 160

Delta R.T. -0.02 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

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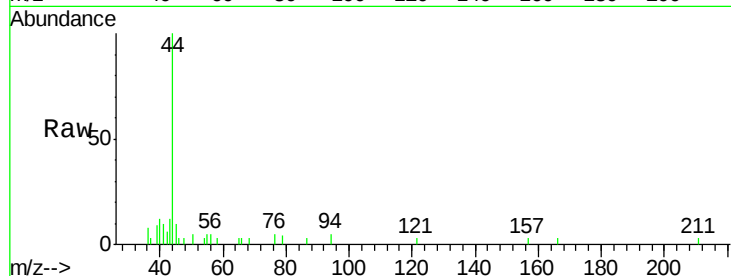
CL-01-011819-BRE

Tot Ion: 43 Resp: 275

Ion Ratio Lower Upper

43 100

58 24.7 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

600

500

400

300

200

100

0

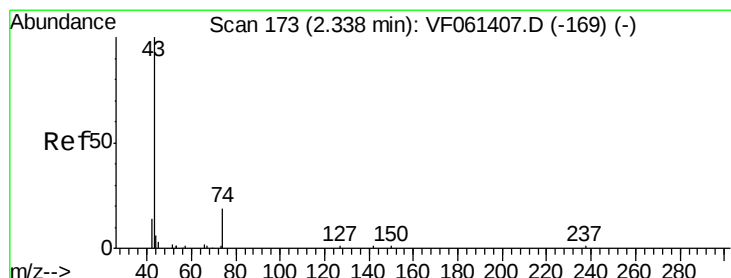
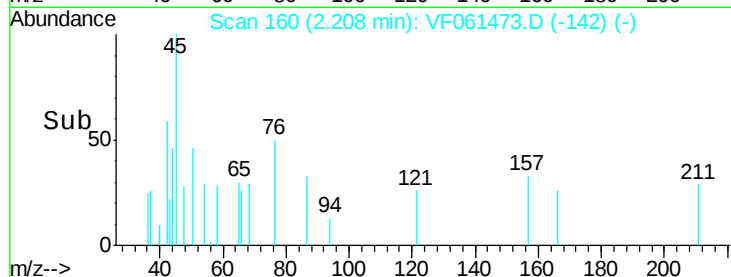
2.16

2.18

2.20

2.22

Time-->



#18

Methyl Acetate

Concen: 212.589 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061473.D

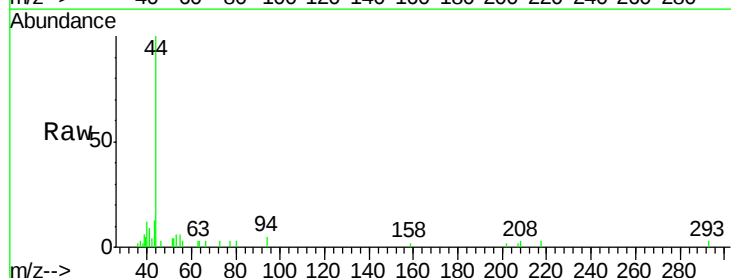
Acq: 21 Jan 2019 14:59

Tgt Ion: 43 Resp: 614

Ion Ratio Lower Upper

43 100

74 0.0 13.4 20.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

600

400

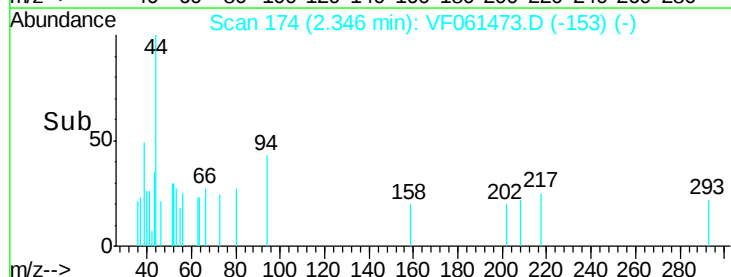
200

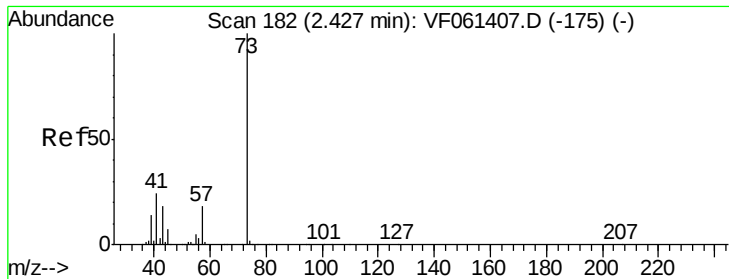
0

2.30

2.35

Time-->

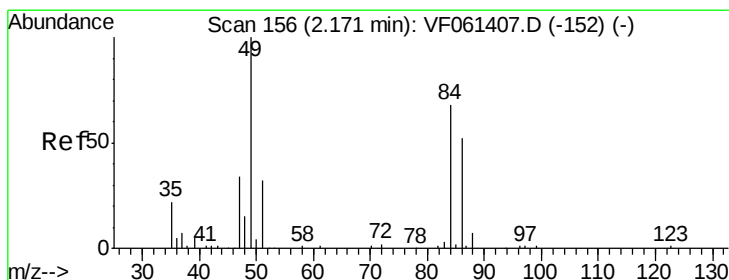
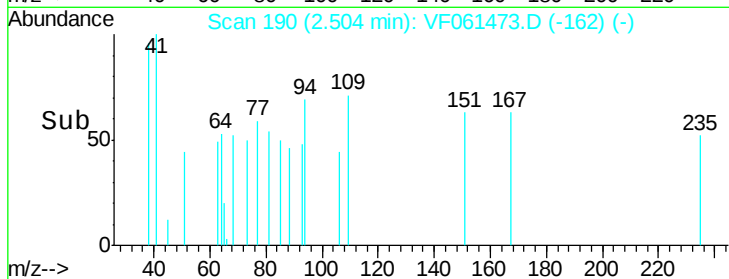
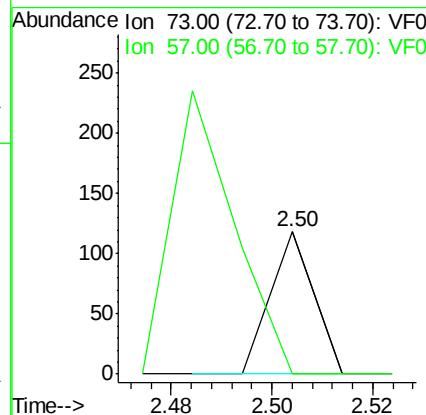
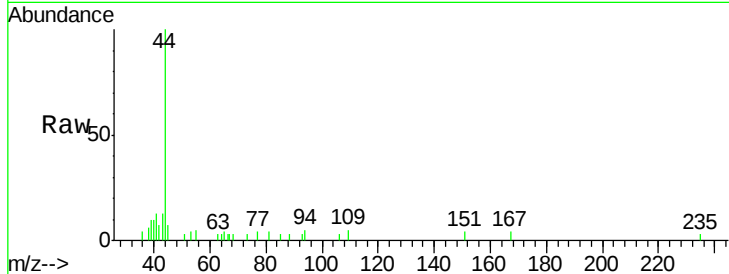




#19
Methyl tert-butyl Ether
Concen: 5.971 ug/l
RT: 2.50 min Scan# 190
Delta R.T. 0.08 min
Lab File: VF061473.D
Acq: 21 Jan 2019 14:59

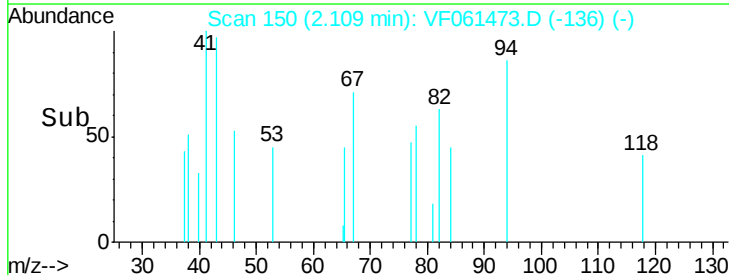
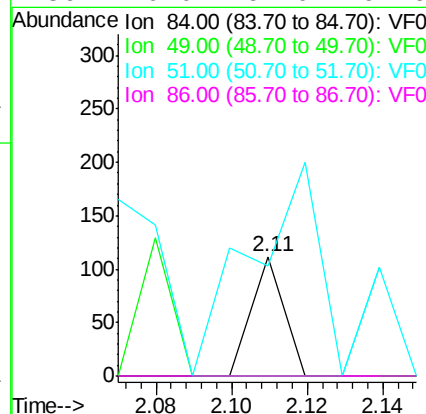
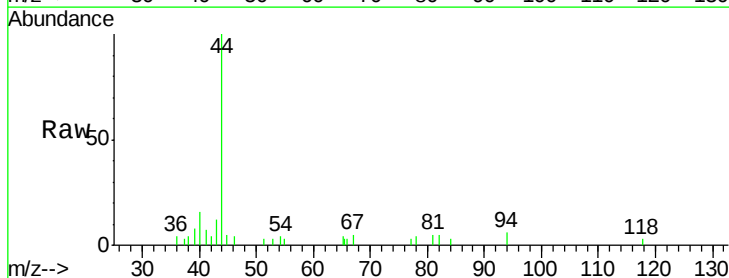
Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-BRE

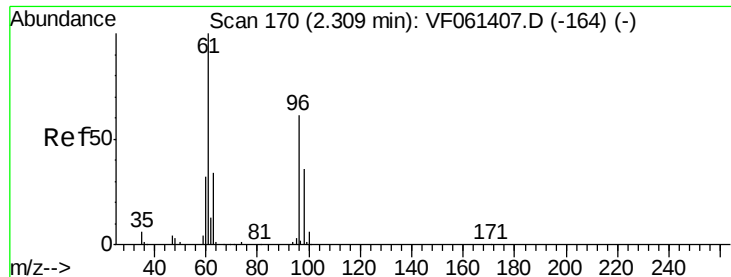
Tot Ion: 73 Resp: 70
Ion Ratio Lower Upper
73 100
57 0.0 14.8 22.2#



#20
Methylene Chloride
Concen: 12.015 ug/l
RT: 2.11 min Scan# 150
Delta R.T. -0.06 min
Lab File: VF061473.D
Acq: 21 Jan 2019 14:59

Tgt Ion: 84 Resp: 66
Ion Ratio Lower Upper
84 100
49 0.0 120.0 180.0#
51 92.0 38.6 58.0#
86 0.0 61.0 91.6#





#21

trans-1,2-Dichloroethene

Concen: 11.471 ug/l

RT: 2.45 min Scan# 185

Delta R.T. 0.15 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

CL-01-011819-BRE

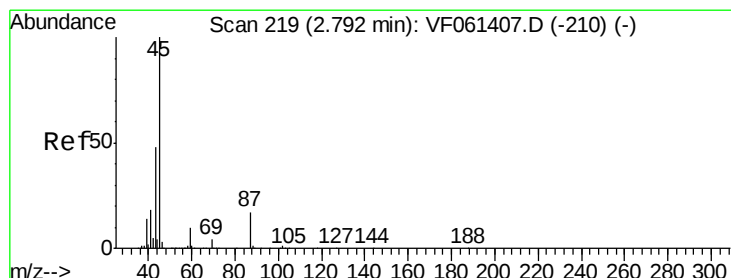
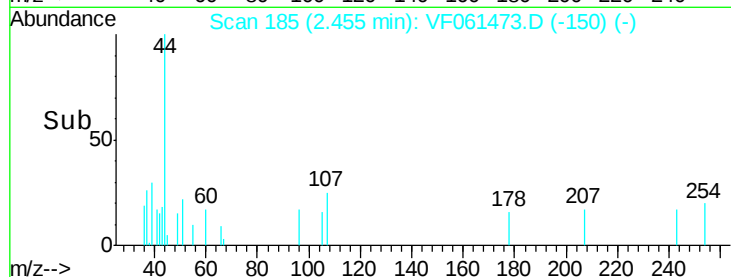
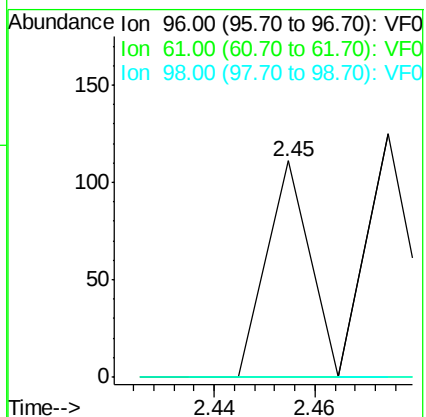
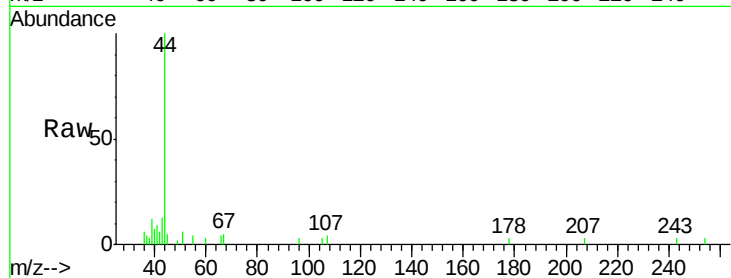
Tot Ion: 96 Resp: 66

Ion Ratio Lower Upper

96 100

61 0.0 131.8 197.8#

98 0.0 47.4 71.0#



#22

Diisopropyl ether

Concen: 25.469 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.02 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Tgt Ion: 45 Resp: 474

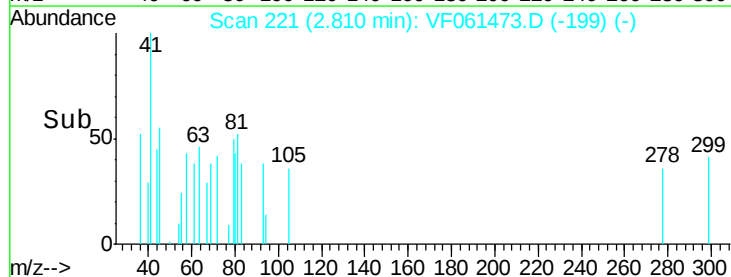
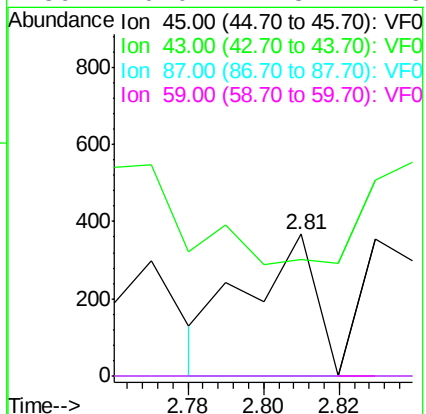
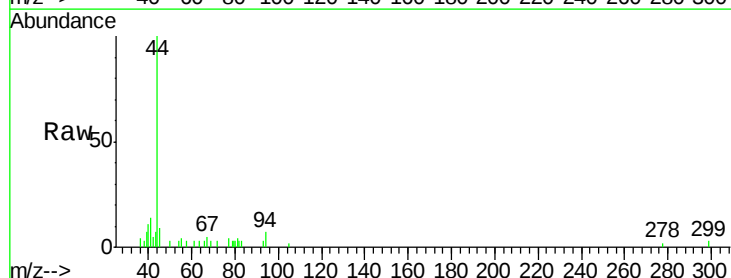
Ion Ratio Lower Upper

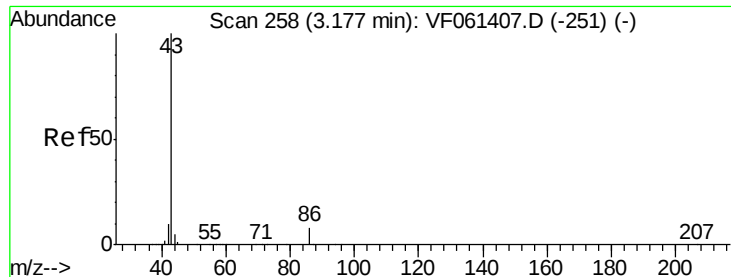
45 100

43 82.1 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#





#23

Vinyl Acetate

Concen: 86.168 ug/l

RT: 3.14 min Scan# 254

Delta R.T. -0.04 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

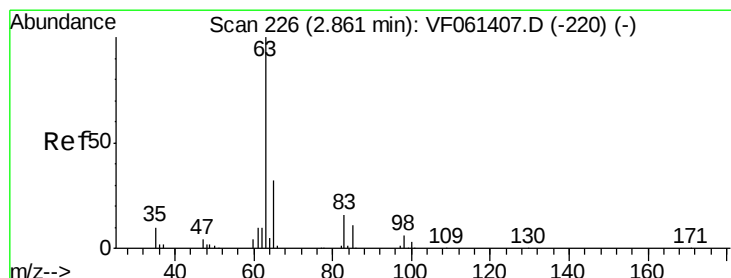
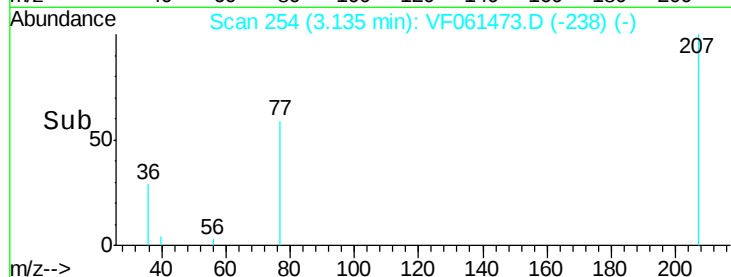
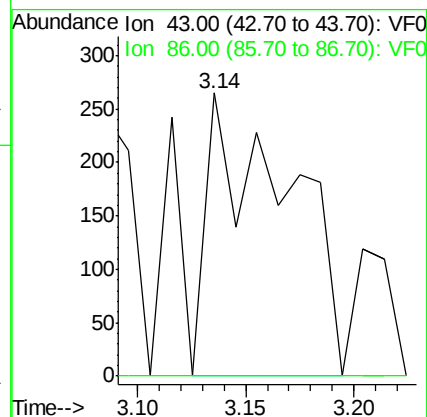
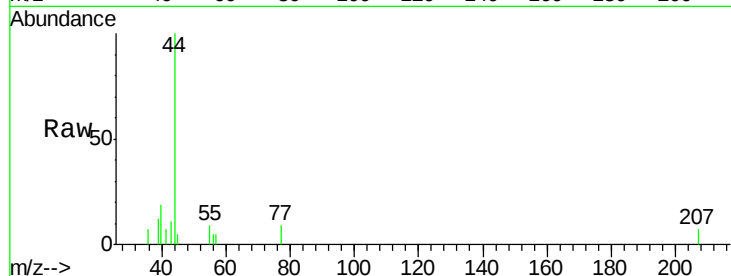
CL-01-011819-BRE

Tot Ion: 43 Resp: 688

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



#24

1,1-Dichloroethane

Concen: 5.308 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.02 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

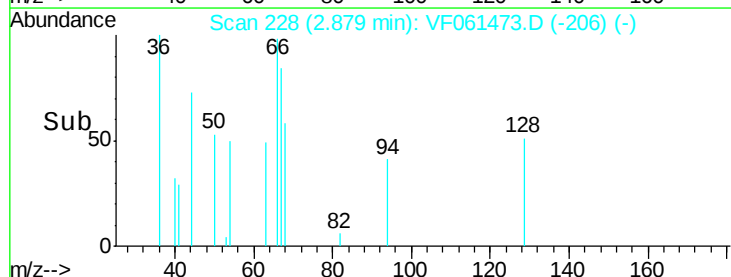
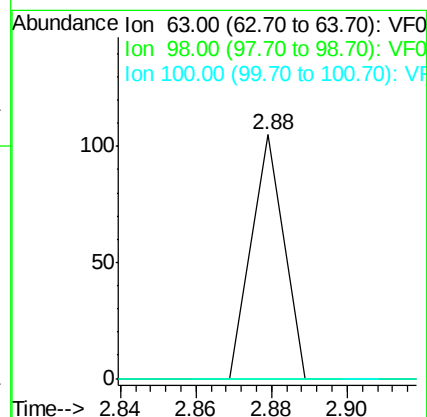
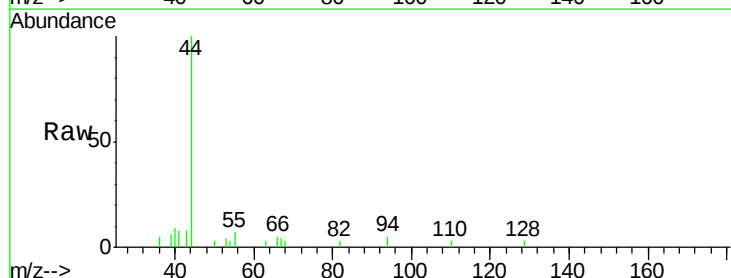
Tgt Ion: 63 Resp: 62

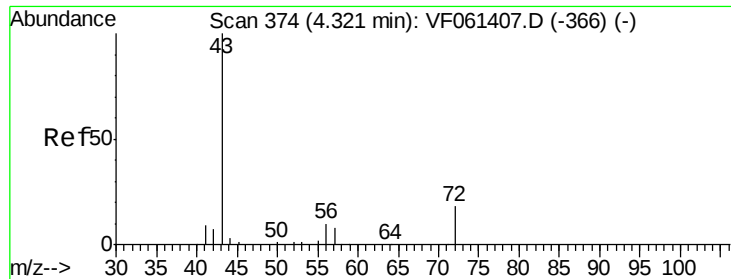
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 1.6 4.8#





#25

2-Butanone

Concen: 100.749 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.03 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

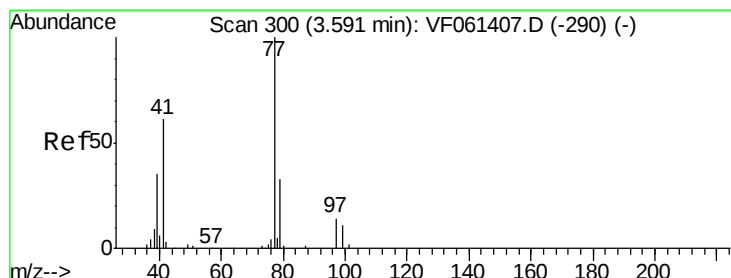
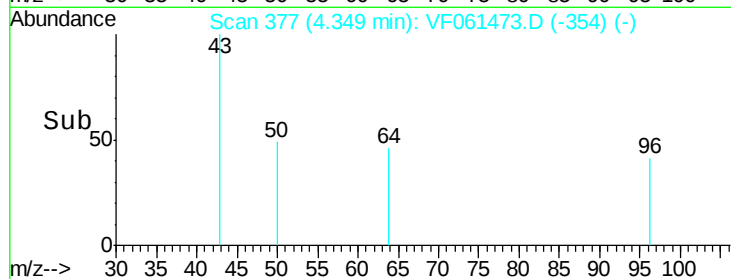
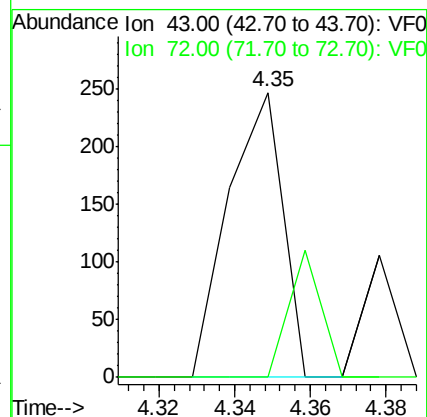
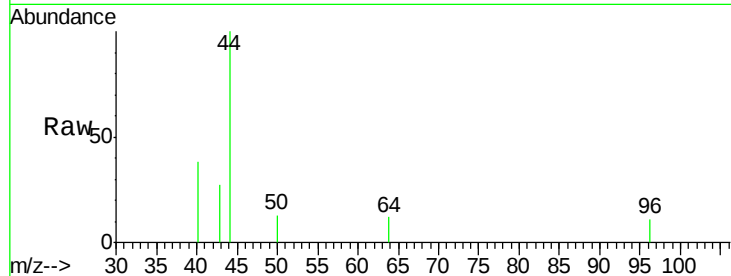
Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-BRE

Tot Ion: 43 Resp: 244

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#26

2,2-Dichloropropane

Concen: 8.639 ug/l

RT: 3.55 min Scan# 296

Delta R.T. -0.04 min

Lab File: VF061473.D

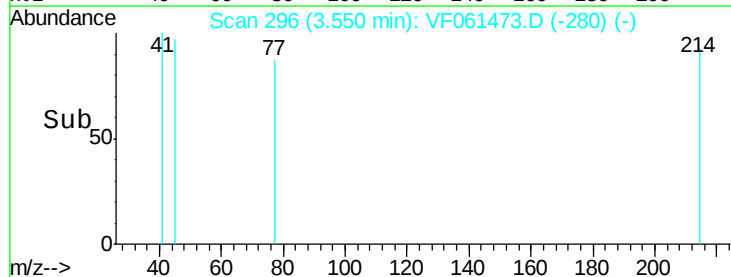
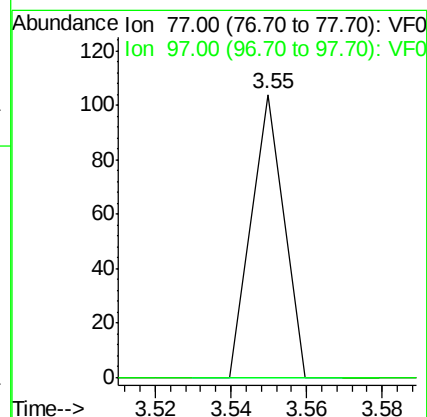
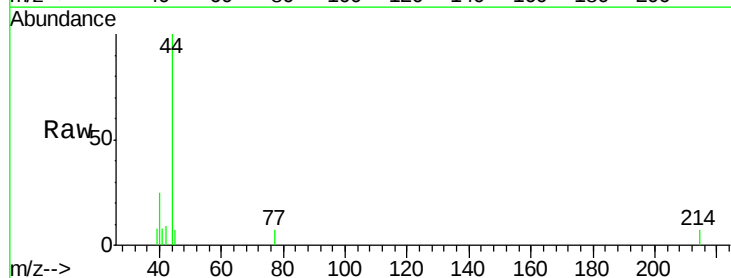
Acq: 21 Jan 2019 14:59

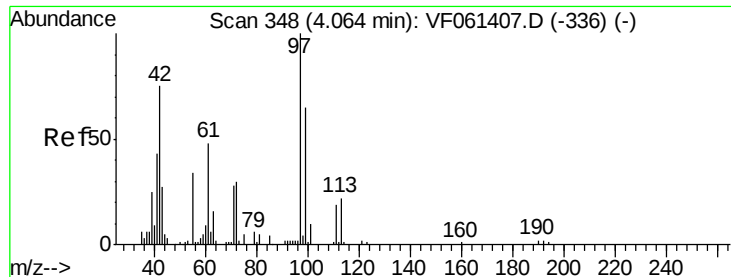
Tgt Ion: 77 Resp: 62

Ion Ratio Lower Upper

77 100

97 0.0 8.5 25.5#





#29

Tetrahydrofuran

Concen: 213.839 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

CL-01-011819-BRE

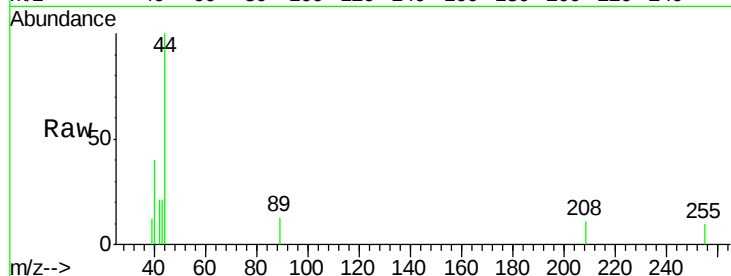
Tot Ion: 42 Resp: 223

Ion Ratio Lower Upper

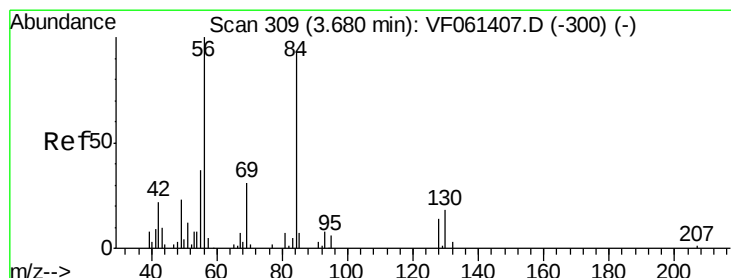
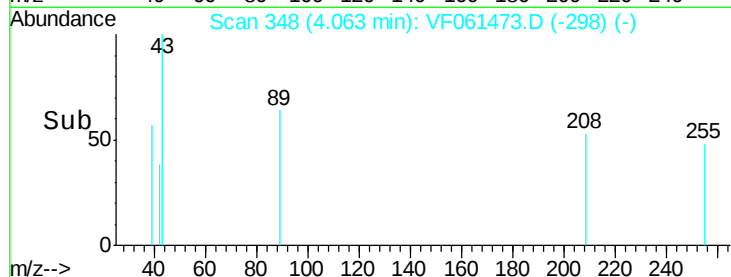
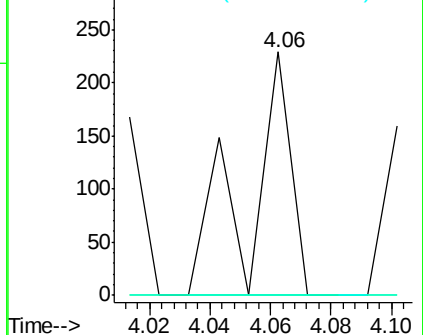
42 100

72 0.0 28.9 43.3#

71 0.0 29.6 44.4#



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



#31

Cyclohexane

Concen: 5.999 ug/l

RT: 3.73 min Scan# 314

Delta R.T. 0.05 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

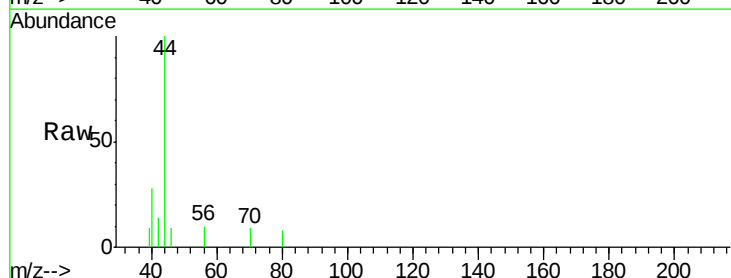
Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

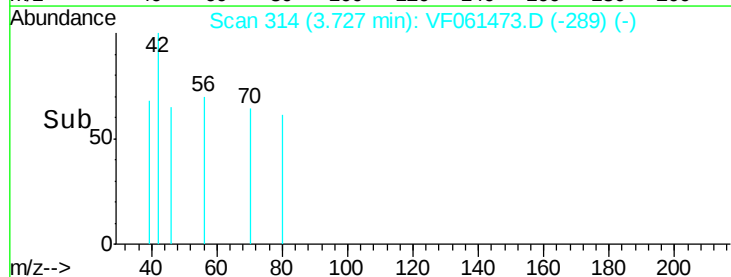
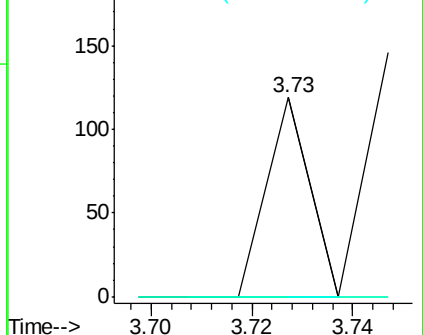
56 100

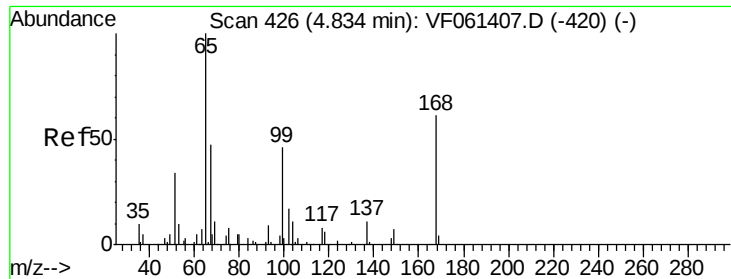
69 0.0 24.6 36.8#

84 0.0 74.2 111.2#



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: 8.954 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.11 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

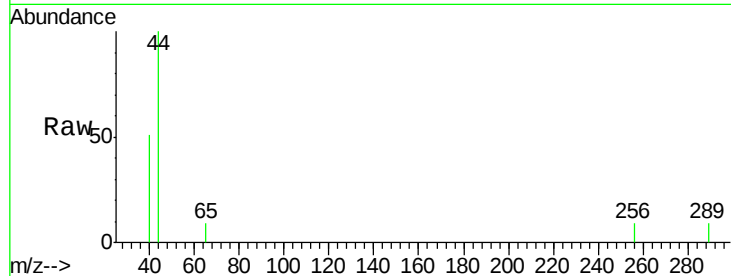
Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-BRE

Tot Ion: 65 Resp: 65

Ion Ratio Lower Upper

65 100

67 0.0 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.72

120

100

80

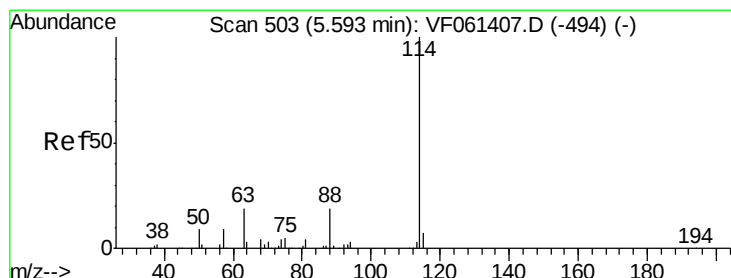
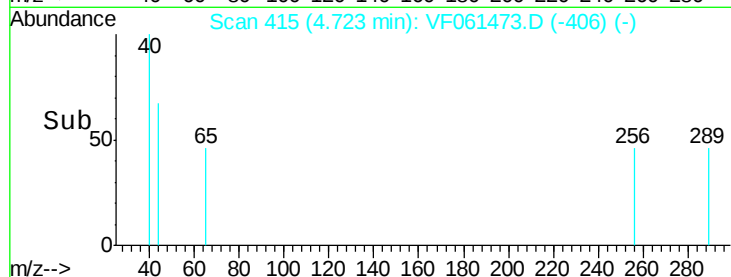
60

40

20

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

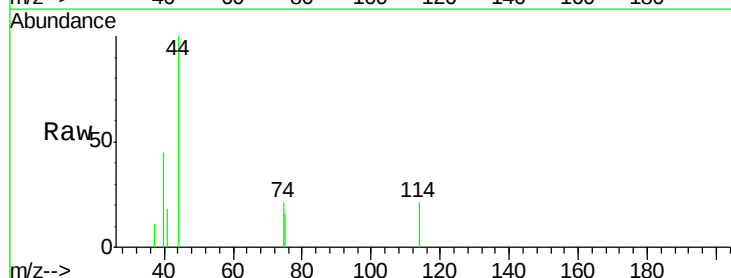
Tgt Ion: 114 Resp: 178

Ion Ratio Lower Upper

114 100

63 0.0 0.0 39.0

88 0.0 0.0 37.4



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

300

250

200

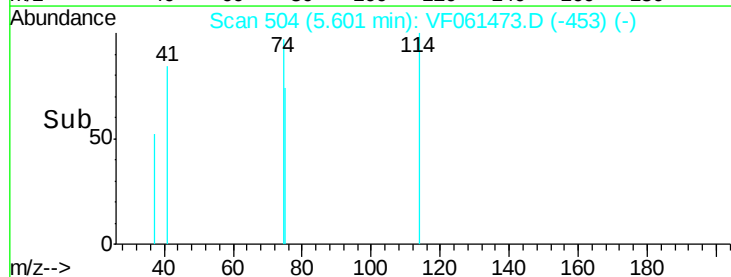
150

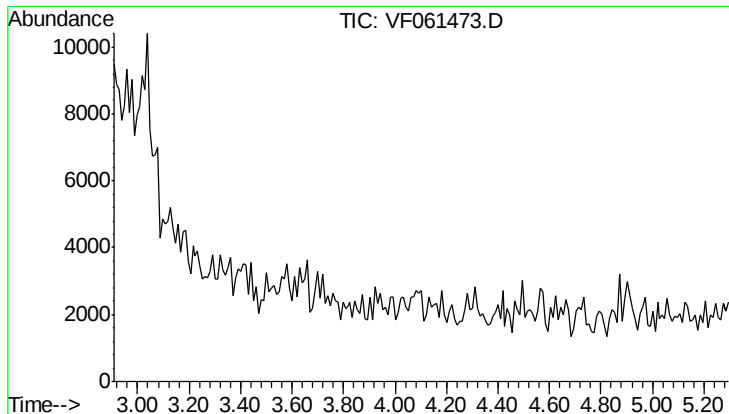
100

50

0

Time-->





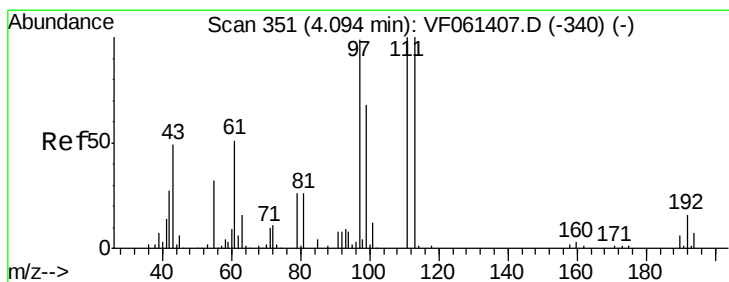
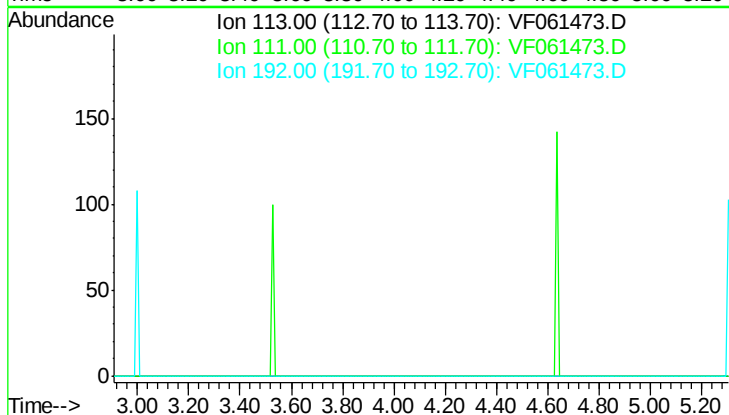
#35

Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.10 min

Lab File: VF061473.D
Acq: 21 Jan 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-BRE

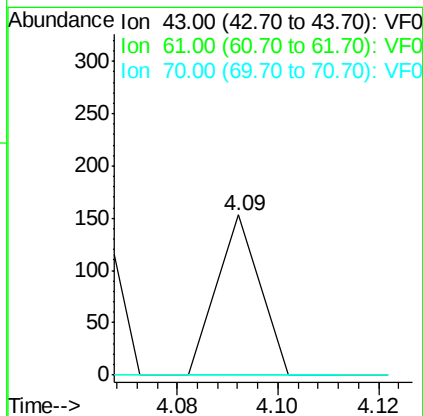
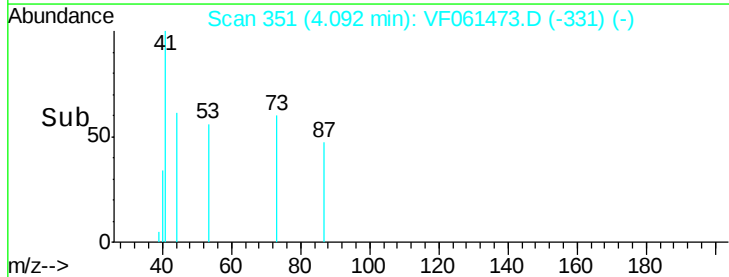
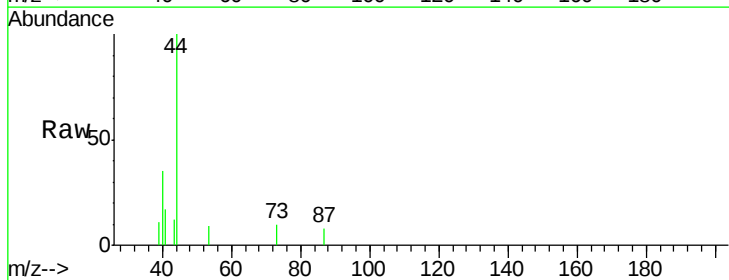
Tot Ion: 113
Sig Exp Ratio
113 100
111 99.2
192 15.5

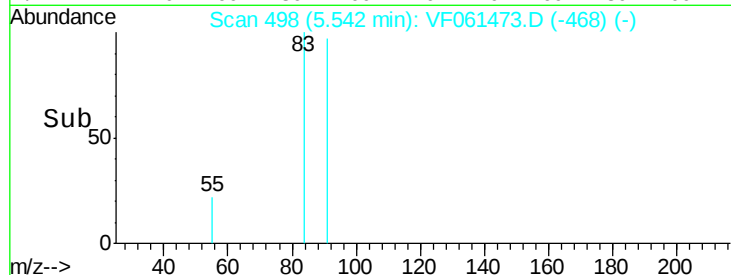
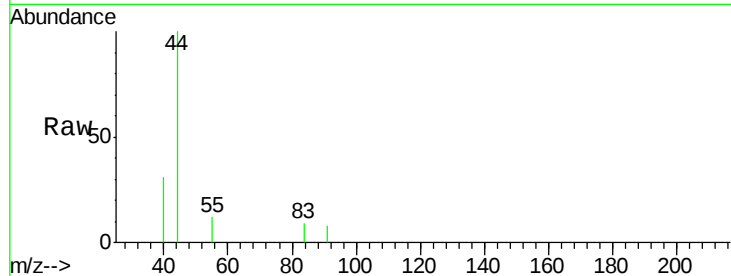
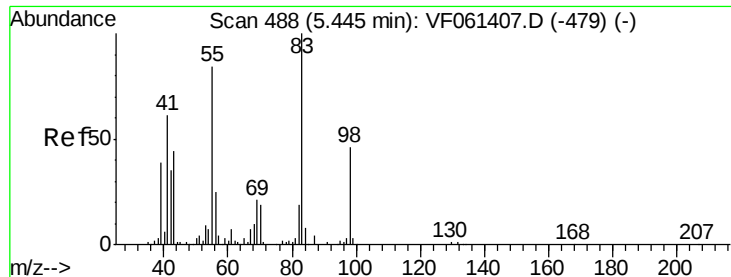


#37

Ethyl Acetate
Concen: 110.306 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF061473.D
Acq: 21 Jan 2019 14:59

Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
61 0.0 81.7 122.5#
70 0.0 6.2 9.2#

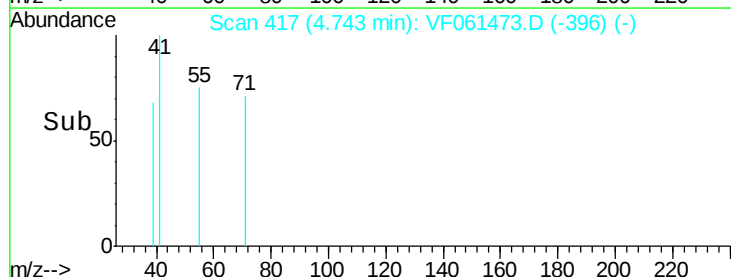
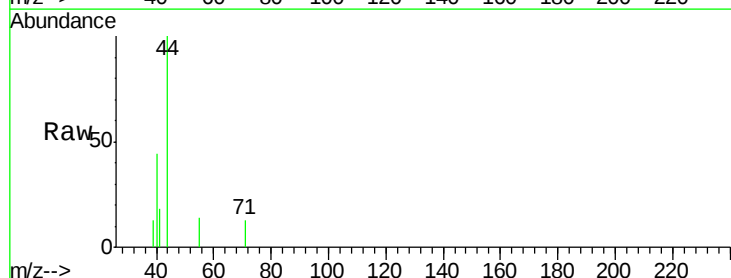
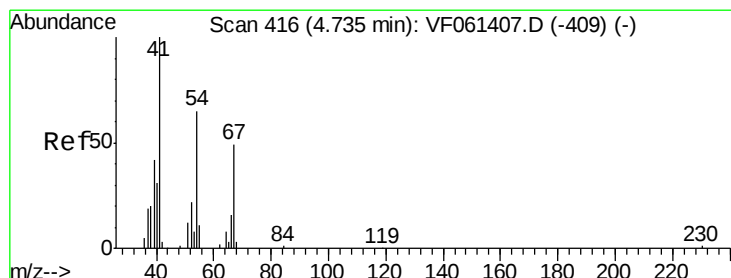
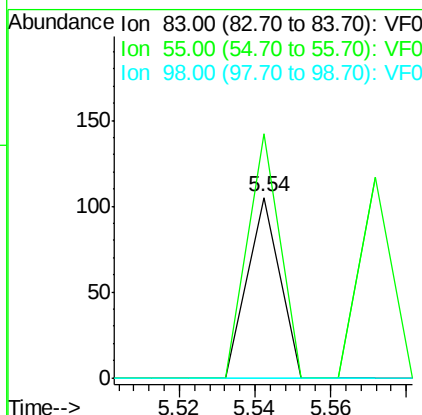




#39
Methylcyclohexane
Concen: 27.721 ug/l
RT: 5.54 min Scan# 498
Delta R.T. 0.10 min
Lab File: VF061473.D
Acq: 21 Jan 2019 14:59

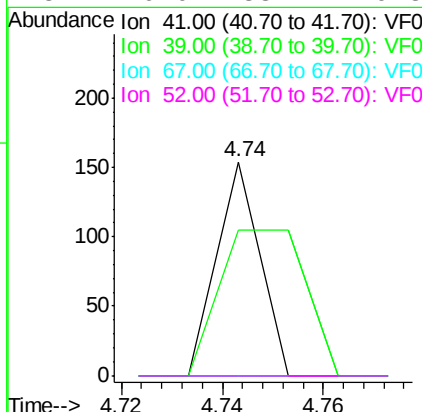
Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-BRE

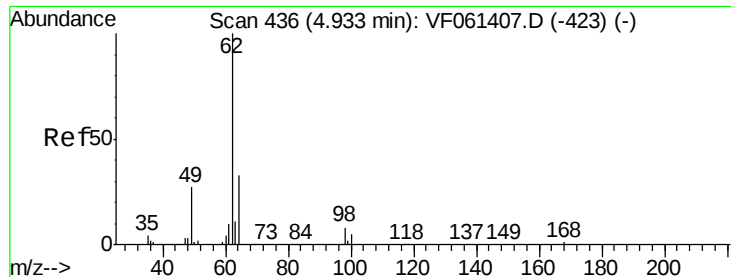
Tot Ion: 83 Resp: 62
Ion Ratio Lower Upper
83 100
55 135.2 67.4 101.2#
98 0.0 36.7 55.1#



#41
Methacrylonitrile
Concen: 207.302 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061473.D
Acq: 21 Jan 2019 14:59

Tgt Ion: 41 Resp: 91
Ion Ratio Lower Upper
41 100
39 68.2 43.1 64.7#
67 0.0 38.8 58.2#
52 0.0 33.2 49.8#





#42

1,2-Dichloroethane

Concen: 84.329 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.11 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

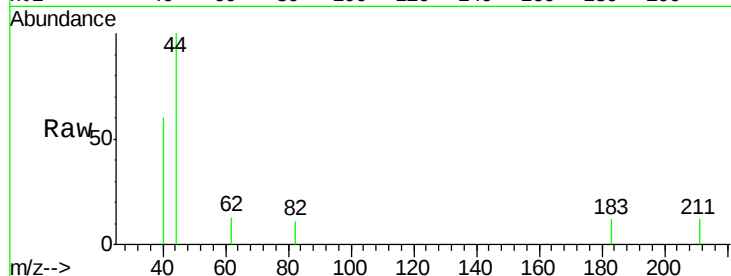
CL-01-011819-BRE

Tot Ion: 62 Resp: 138

Ion Ratio Lower Upper

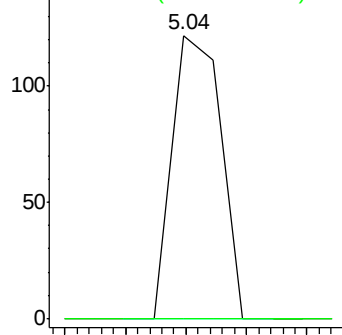
62 100

98 0.0 0.0 17.0

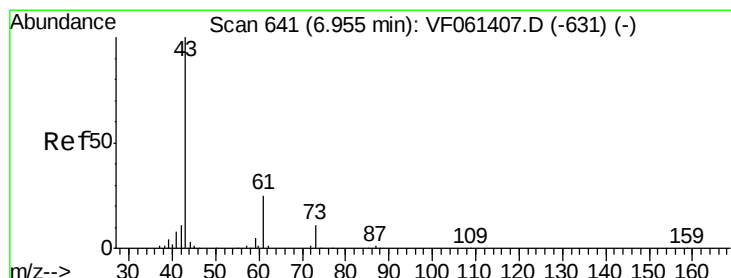
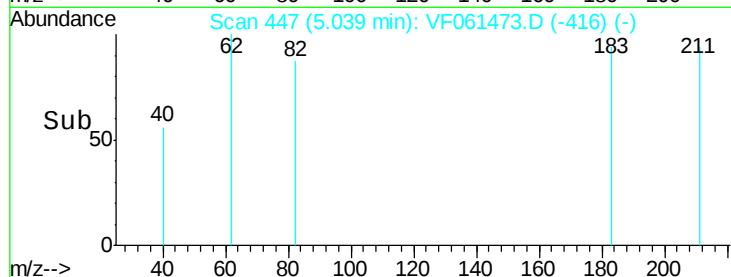


Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#43

Isopropyl Acetate

Concen: 117.828 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

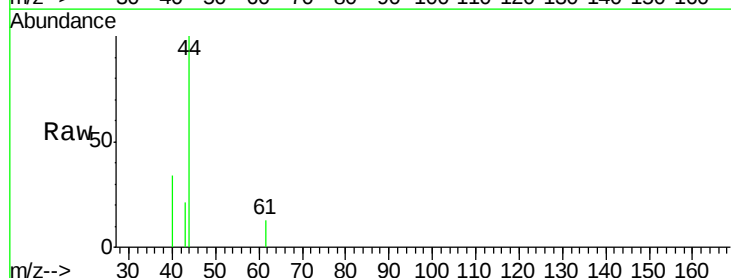
Tgt Ion: 43 Resp: 122

Ion Ratio Lower Upper

43 100

61 63.1 20.3 30.5#

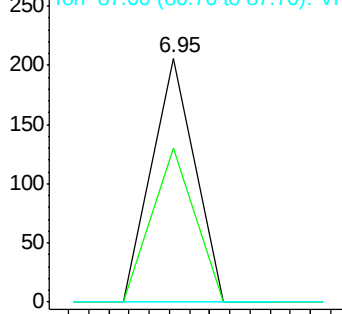
87 0.0 0.5 0.7#



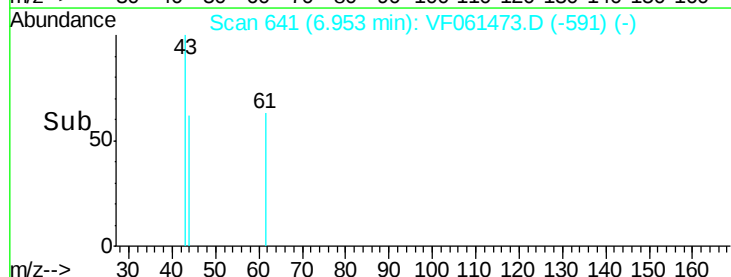
Abundance Ion 43.00 (42.70 to 43.70): VF0

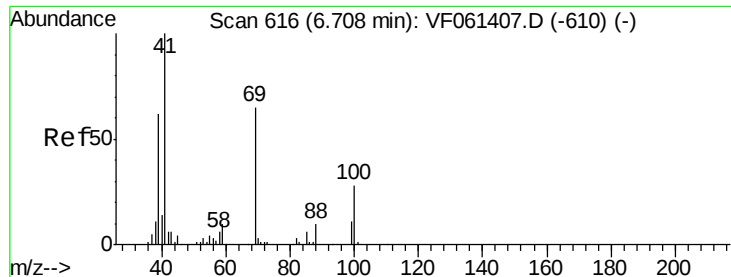
Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->

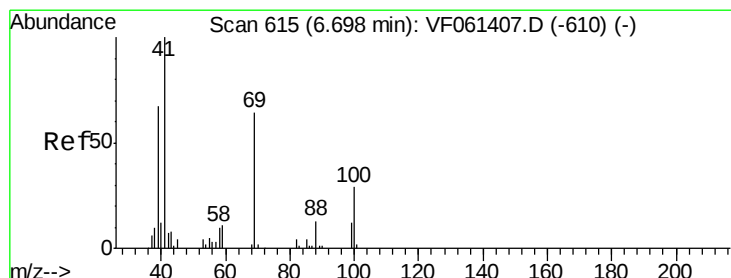
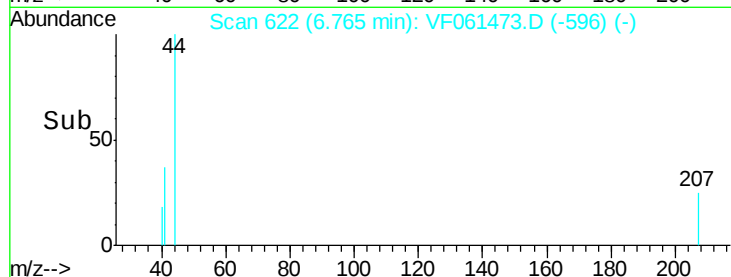
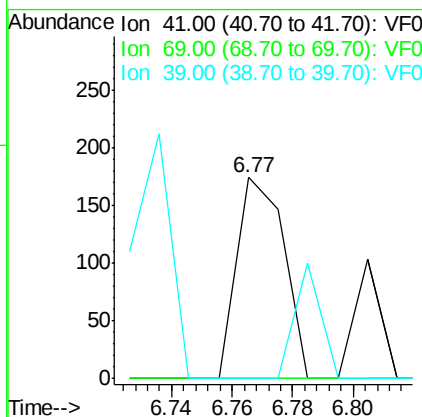
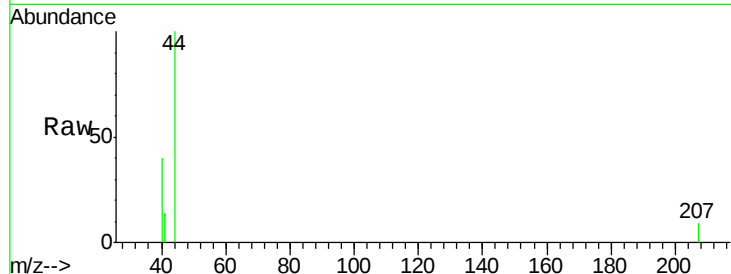




#48
Methvl methacrylate
Concen: 273.272 ug/l
RT: 6.77 min Scan# 622
Delta R.T. 0.06 min
Lab File: VF061473.D
Acq: 21 Jan 2019 14:59

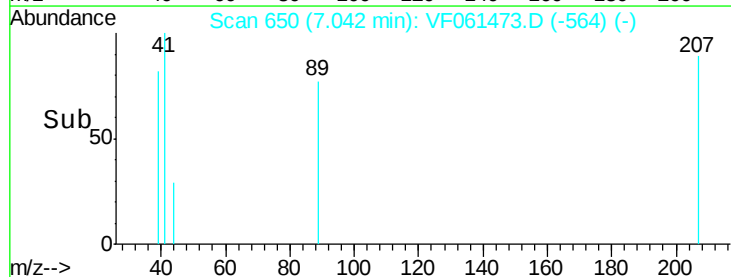
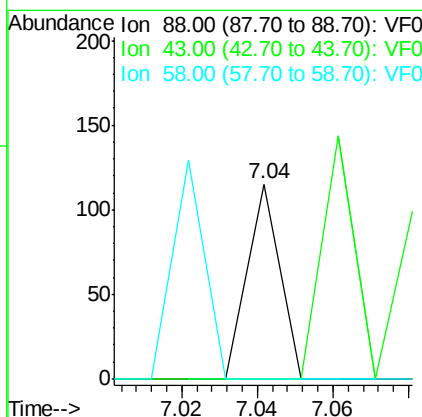
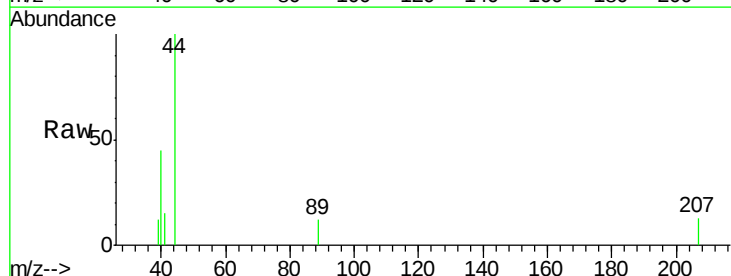
Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-BRE

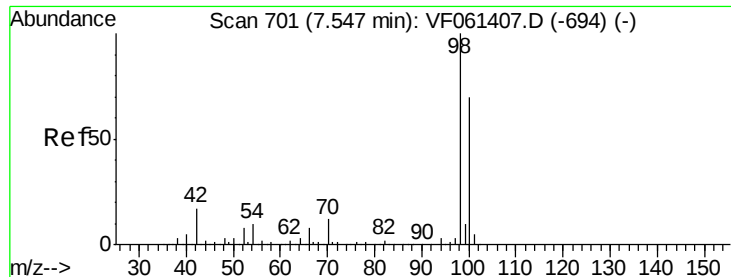
Tot Ion: 41 Resp: 190
Ion Ratio Lower Upper
41 100
69 0.0 51.7 77.5#
39 0.0 49.2 73.8#



#49
1,4-Dioxane
Concen: 14981.506 ug/l
RT: 7.04 min Scan# 650
Delta R.T. 0.34 min
Lab File: VF061473.D
Acq: 21 Jan 2019 14:59

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 55.5 83.3#
58 0.0 59.9 89.9#





#50

Toluene-d8

Concen: 56.909 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

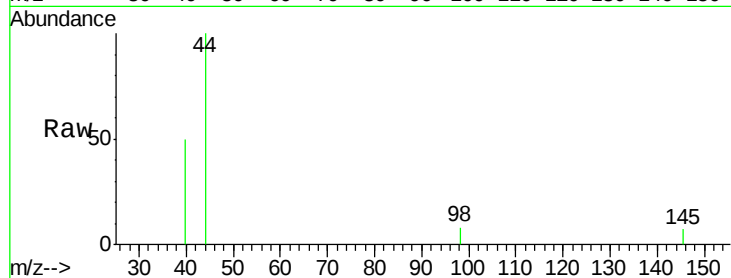
CL-01-011819-BRE

Tot Ion: 98 Resp: 219

Ion Ratio Lower Upper

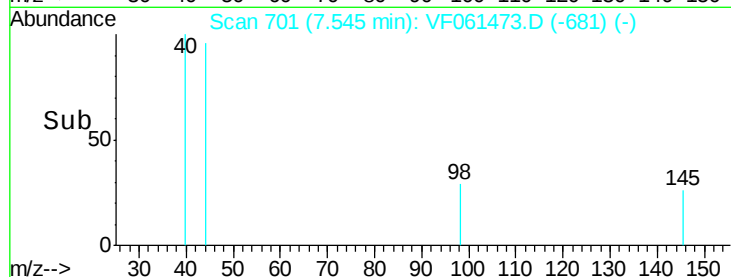
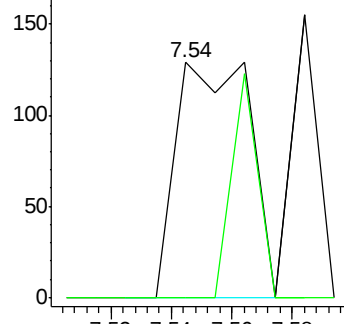
98 100

100 0.0 55.6 83.4#

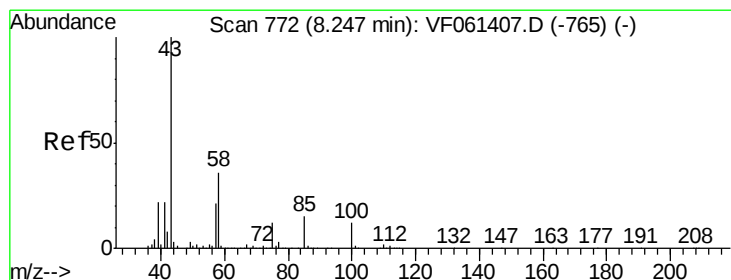


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->



#51

4-Methyl-2-Pentanone

Concen: 227.277 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.02 min

Lab File: VF061473.D

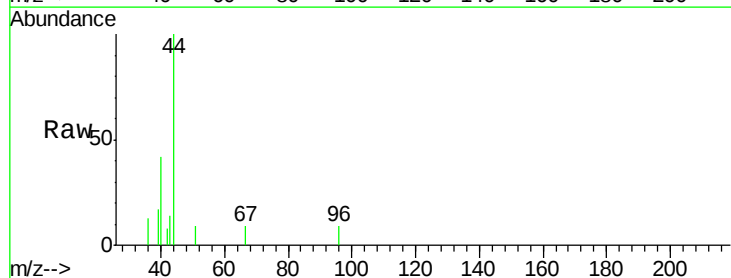
Acq: 21 Jan 2019 14:59

Tgt Ion: 43 Resp: 173

Ion Ratio Lower Upper

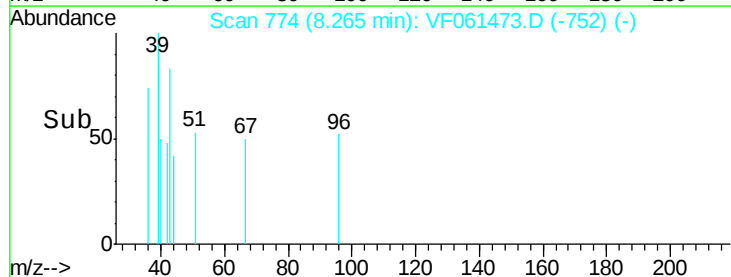
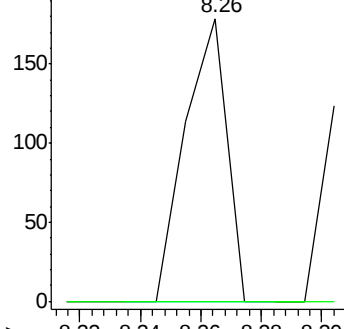
43 100

58 0.0 28.8 43.2#

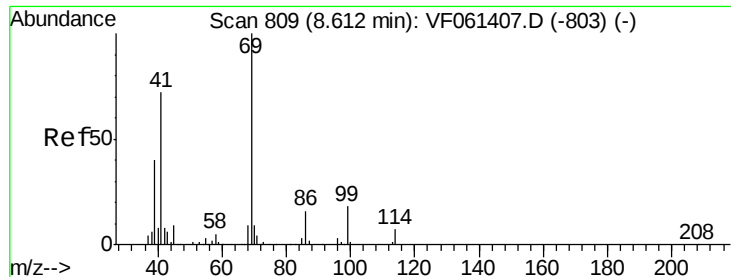


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#56

Ethyl methacrylate

Concen: 62.053 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.10 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

CL-01-011819-BRE

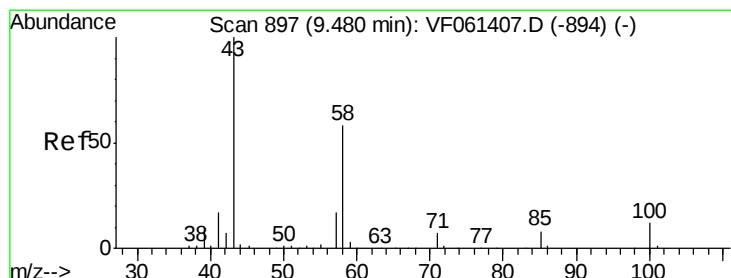
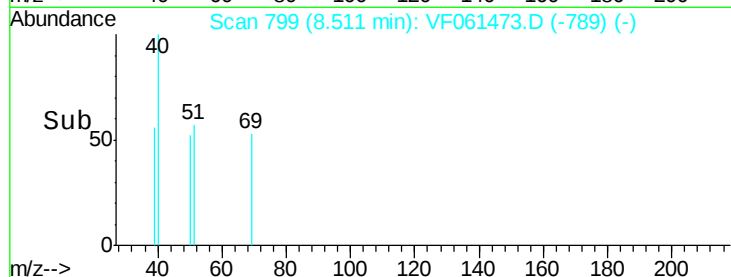
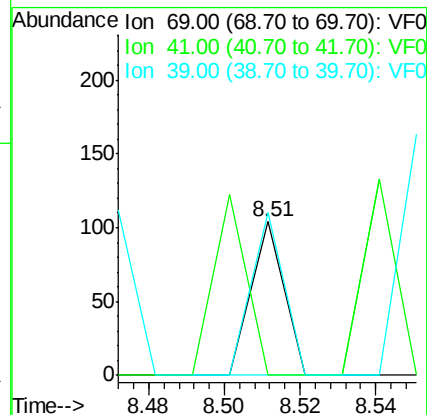
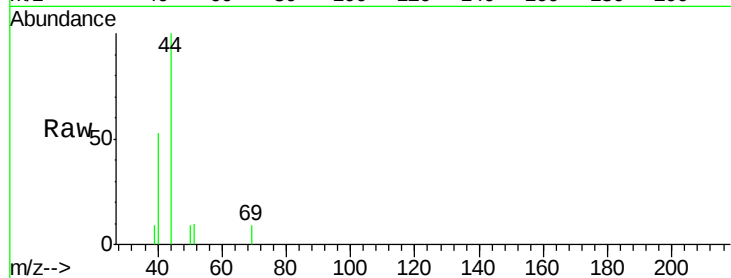
Tot Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 0.0 57.5 86.3#

39 105.8 32.0 48.0#



#59

2-Hexanone

Concen: 389.985 ug/l

RT: 9.51 min Scan# 900

Delta R.T. 0.03 min

Lab File: VF061473.D

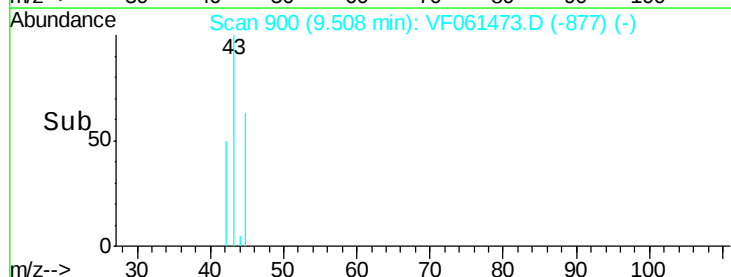
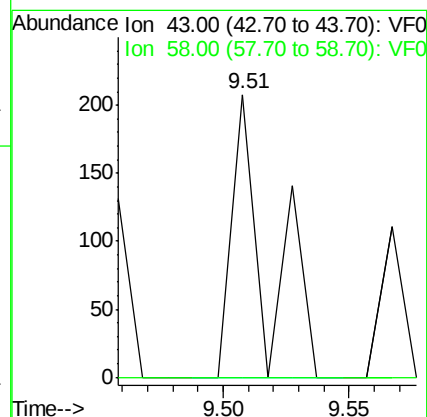
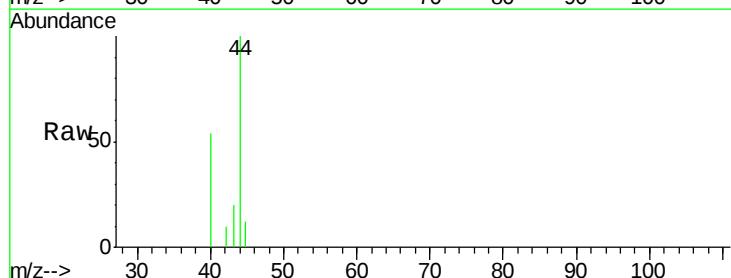
Acq: 21 Jan 2019 14:59

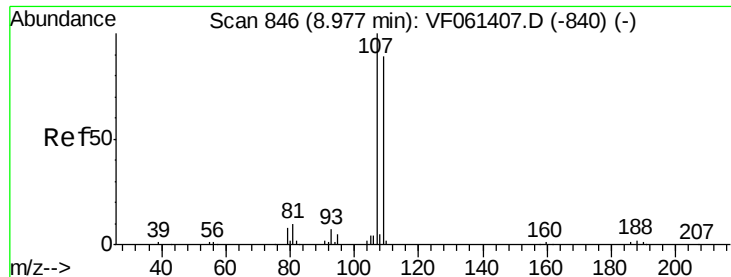
Tgt Ion: 43 Resp: 207

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#





#61

1,2-Dibromoethane

Concen: 63.063 ug/l

RT: 8.96 min Scan# 844

Delta R.T. -0.02 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

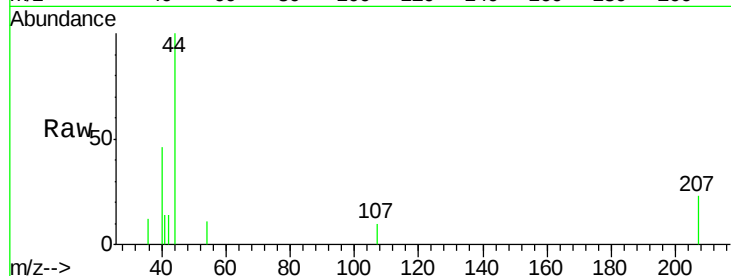
CL-01-011819-BRE

Tot Ion:107 Resp: 62

Ion Ratio Lower Upper

107 100

109 0.0 70.8 106.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.96

100

80

60

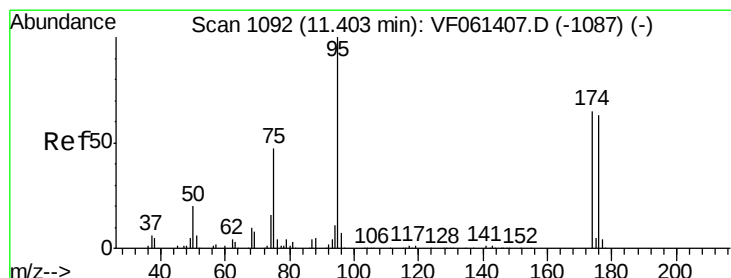
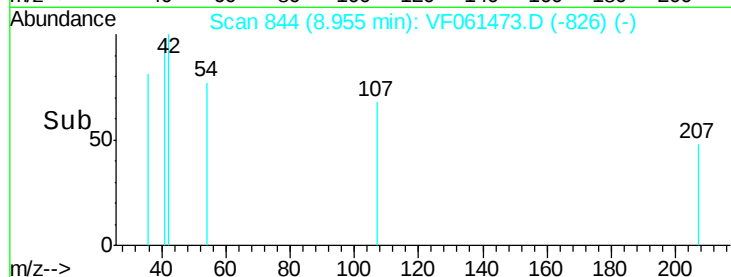
40

20

0

8.92 8.94 8.96 8.98

Time-->



#62

4-Bromofluorobenzene

Concen: 36.707 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.04 min

Lab File: VF061473.D

Acq: 21 Jan 2019 14:59

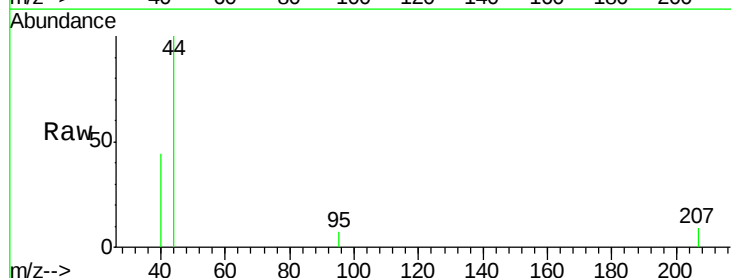
Tgt Ion: 95 Resp: 66

Ion Ratio Lower Upper

95 100

174 0.0 0.0 130.4

176 0.0 0.0 126.2



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

150

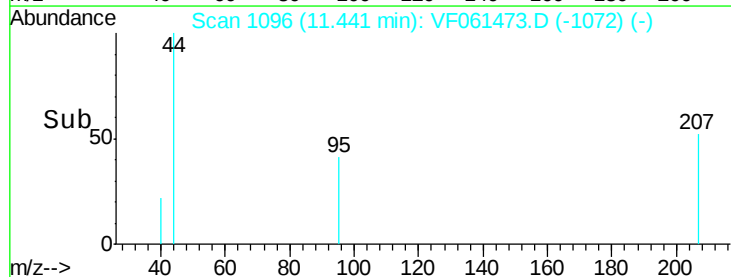
100

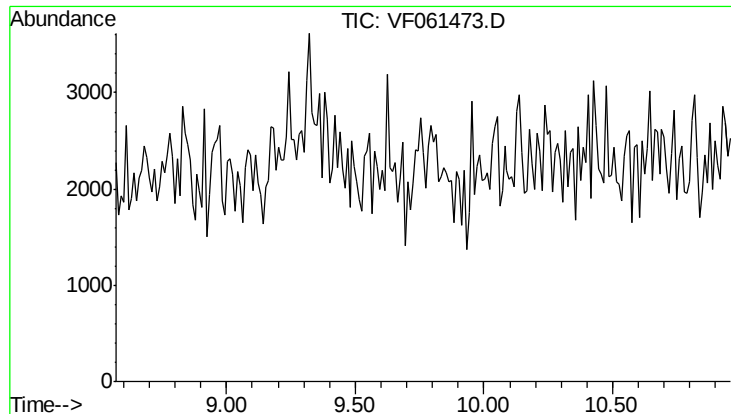
50

0

11.42 11.44 11.46

Time-->

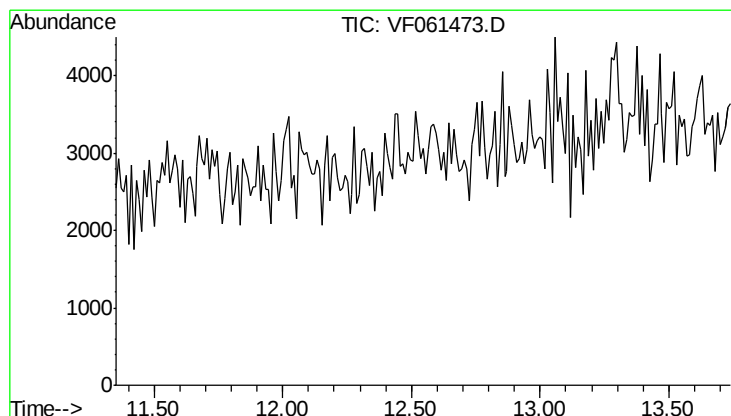
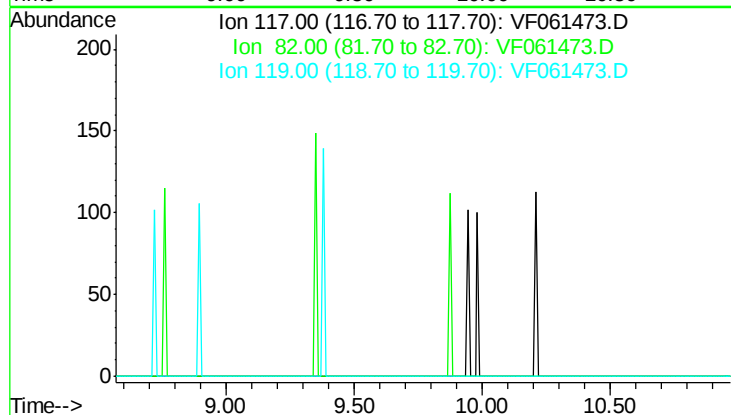




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.77 min
 Lab File: VF061473.D
 Acq: 21 Jan 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-011819-BRE

Tot Ion	117
Sig	Exp Ratio
117	100
82	58.0
119	34.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min
 Lab File: VF061473.D
 Acq: 21 Jan 2019 14:59

Tgt Ion	152
Sig	Exp Ratio
152	100
115	60.0
150	160.7

