

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061818.D
 Acq On : 1 Mar 2019 22:40
 Operator : VA/AP
 Sample : K1665-01RE
 Misc : 6.12g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 200051RE

Quant Time: Mar 02 02:48:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	5419	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	8419	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	5060	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	1964	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	1267	31.88	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	63.76%	
35) Dibromofluoromethane	4.10	113	2067	33.06	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	66.12%	
50) Toluene-d8	7.55	98	7601	42.29	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	84.58%	
62) 4-Bromofluorobenzene	11.41	95	2154	29.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	59.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.10	85	66	1.061	ug/l #	43
3) Chloromethane	1.11	50	208	3.186	ug/l #	42
4) Vinyl Chloride	1.17	62	61	1.005	ug/l #	40
5) Bromomethane	1.29	94	151	3.615	ug/l #	3
7) Trichlorofluoromethane	1.55	101	88	1.202	ug/l #	20
8) Diethyl Ether	1.77	74	120	6.504	ug/l	56
9) 1,1,2-Trichlorotrifluoroet	1.77	101	78	1.477	ug/l #	22
11) Tert butyl alcohol	2.40	59	75	32.611	ug/l #	1
12) 1,1-Dichloroethene	1.86	96	127	2.735	ug/l #	1
13) Acrolein	1.94	56	383	132.506	ug/l	87
14) Allyl chloride	2.12	41	944	16.567	ug/l #	61
15) Acrylonitrile	2.92	53	298	36.531	ug/l #	1
16) Acetone	2.24	43	708	83.039	ug/l #	46
18) Methyl Acetate	2.28	43	1033	53.782	ug/l #	59
19) Methyl tert-butyl Ether	2.44	73	159	2.004	ug/l #	1
20) Methylene Chloride	2.17	84	508	9.055	ug/l #	37
21) trans-1,2-Dichloroethene	2.28	96	86	1.704	ug/l #	1
22) Diisopropyl ether	2.77	45	1001	7.318	ug/l #	11
23) Vinyl Acetate	3.16	43	257	3.847	ug/l #	74
24) 1,1-Dichloroethane	2.90	63	159	1.921	ug/l #	86
25) 2-Butanone	4.32	43	617	33.130	ug/l #	55
26) 2,2-Dichloropropane	3.59	77	67	1.911	ug/l #	52
27) cis-1,2-Dichloroethene	3.45	96	93	1.404	ug/l	1
29) Tetrahydrofuran	4.08	42	128	15.122	ug/l #	33
32) 1,1,1-Trichloroethane	4.11	97	67	1.087	ug/l #	22
37) Ethyl Acetate	4.14	43	250	6.454	ug/l #	30
41) Methacrylonitrile	4.72	41	319	16.103	ug/l #	25
43) Isopropyl Acetate	6.94	43	100	2.181	ug/l #	43
45) 1,2-Dichloropropane	6.10	63	61	1.157	ug/l #	44
46) Dibromomethane	6.11	93	80	2.464	ug/l #	1
48) Methyl methacrylate	6.69	41	144	5.219	ug/l #	33
49) 1,4-Dioxane	7.02	88	71	273.712	ug/l #	20
51) 4-Methyl-2-Pentanone	8.26	43	85	2.594	ug/l #	34
55) 1,1,2-Trichloroethane	8.37	97	73	1.878	ug/l #	16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
Data File : VF061818.D
Acq On : 1 Mar 2019 22:40
Operator : VA/AP
Sample : K1665-01RE
Misc : 6.12g/5mL/MSVOA-F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
200051RE

Quant Time: Mar 02 02:48:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

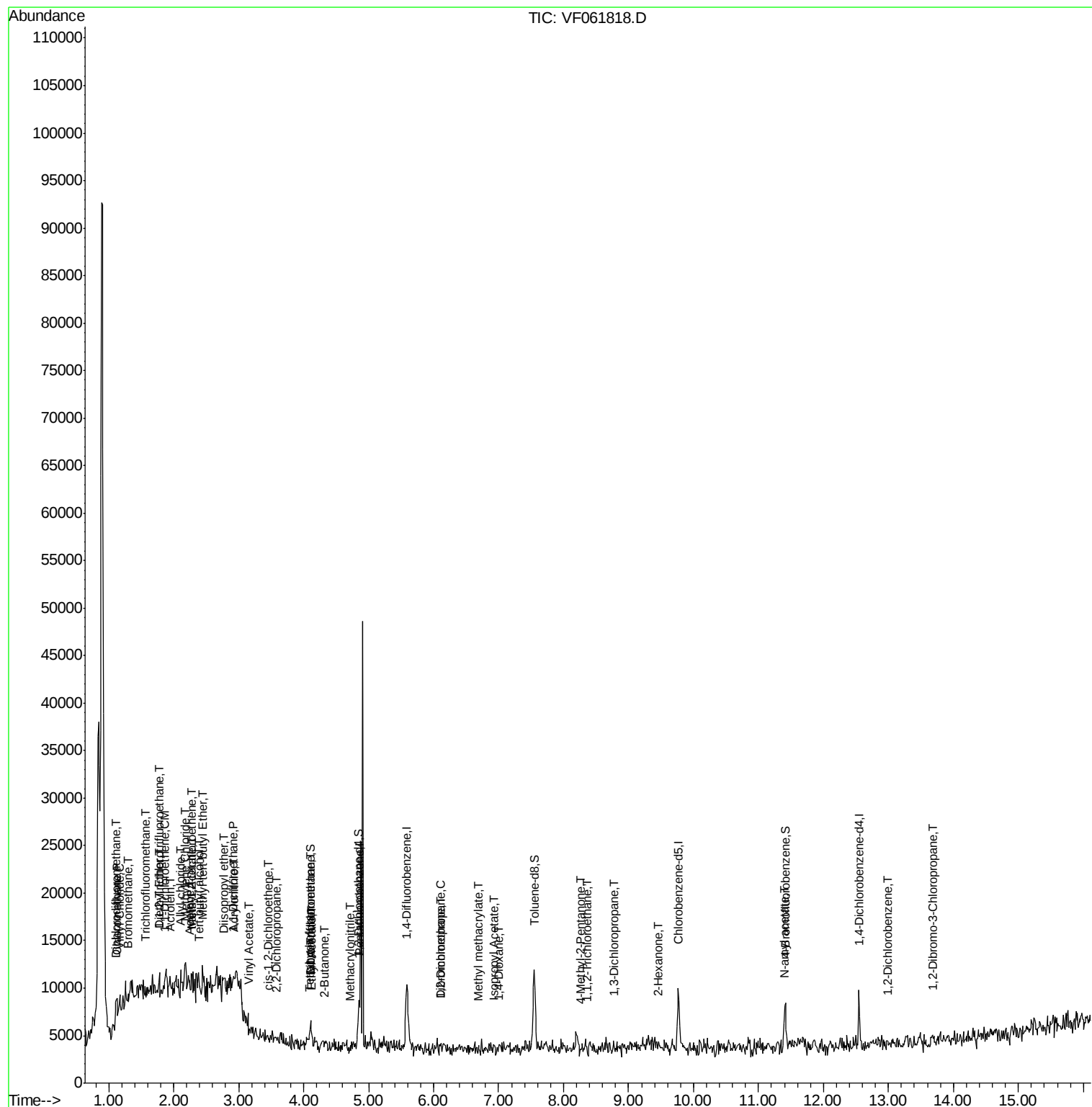
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,3-Dichloropropane	8.77	76	82	1.264	ug/l #	40
59) 2-Hexanone	9.46	43	80	3.483	ug/l #	23
74) N-amyl acetate	11.38	43	179	5.333	ug/l #	44
91) 1,2-Dichlorobenzene	12.99	146	82	1.280	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.67	75	72	18.127	ug/l #	1

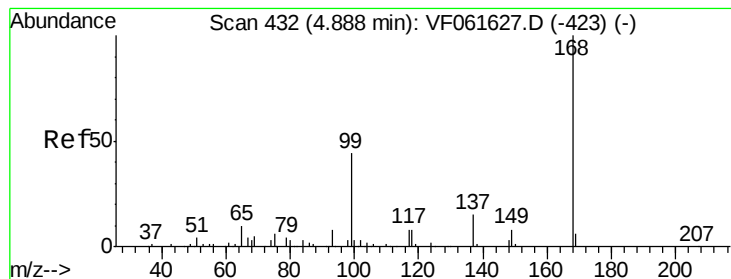
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061818.D
 Acq On : 1 Mar 2019 22:40
 Operator : VA/AP
 Sample : K1665-01RE
 Misc : 6.12q/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 200051RE

Quant Time: Mar 02 02:48:45 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

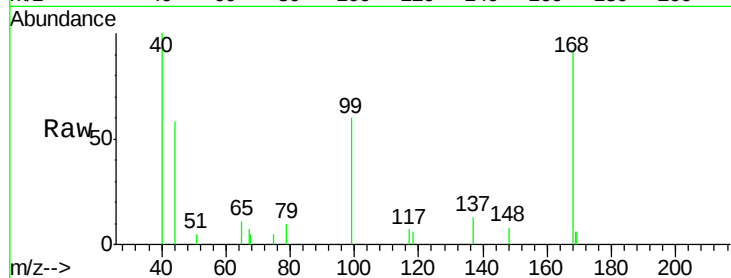
200051RE

Tot Ion:168 Resp: 5419

Ion Ratio Lower Upper

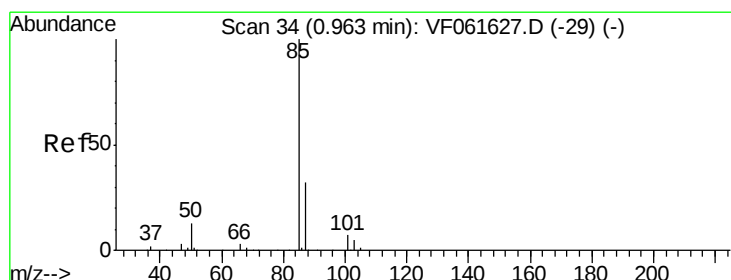
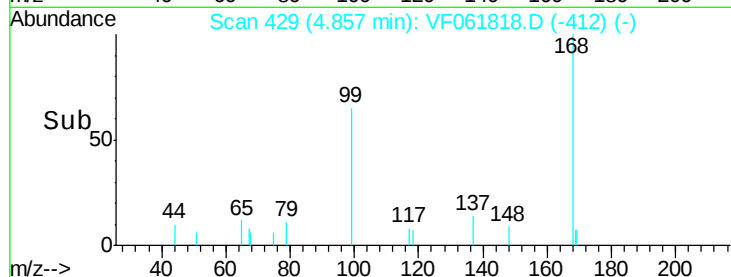
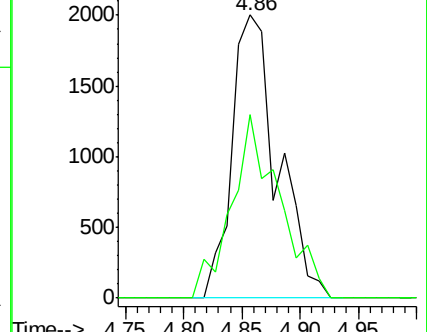
168 100

99 64.9 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 1.061 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.14 min

Lab File: VF061818.D

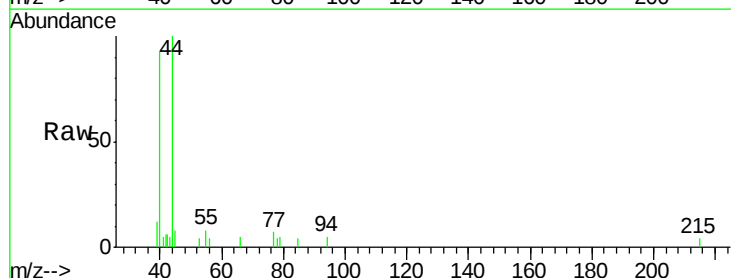
Acq: 1 Mar 2019 22:40

Tgt Ion: 85 Resp: 66

Ion Ratio Lower Upper

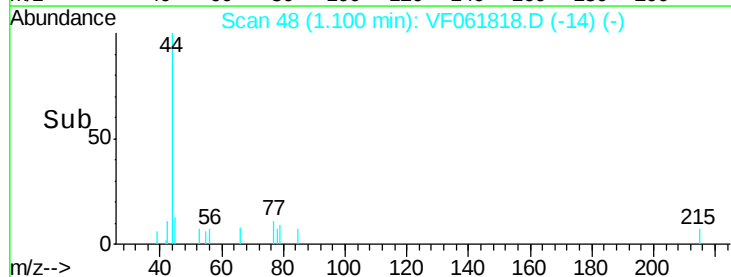
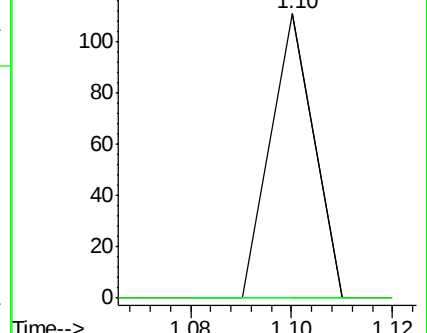
85 100

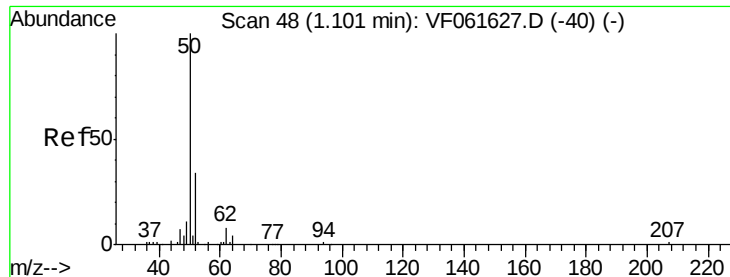
87 0.0 16.1 48.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 3.186 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

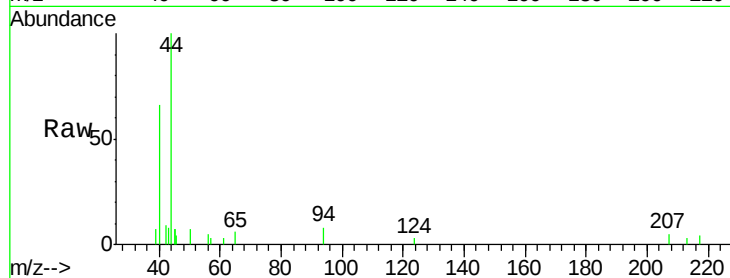
200051RE

Tot Ion: 50 Resp: 208

Ion Ratio Lower Upper

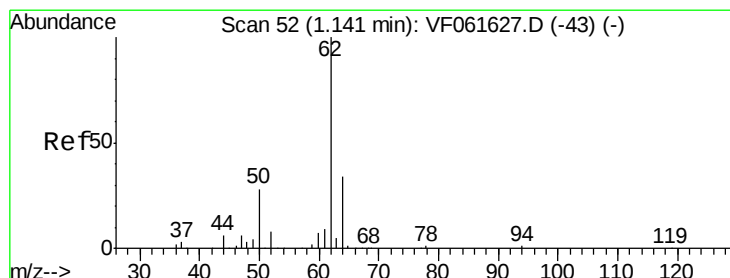
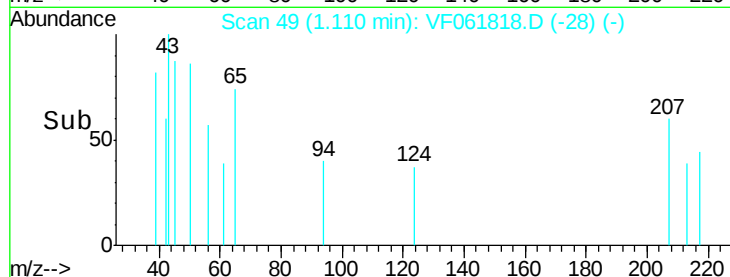
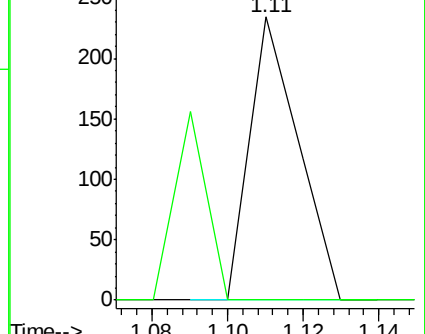
50 100

52 0.0 26.2 39.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 1.005 ug/l

RT: 1.17 min Scan# 55

Delta R.T. 0.03 min

Lab File: VF061818.D

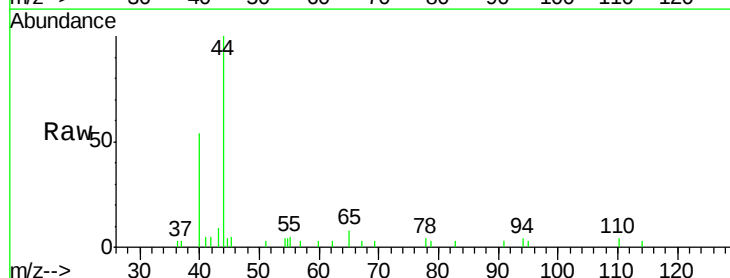
Acq: 1 Mar 2019 22:40

Tgt Ion: 62 Resp: 61

Ion Ratio Lower Upper

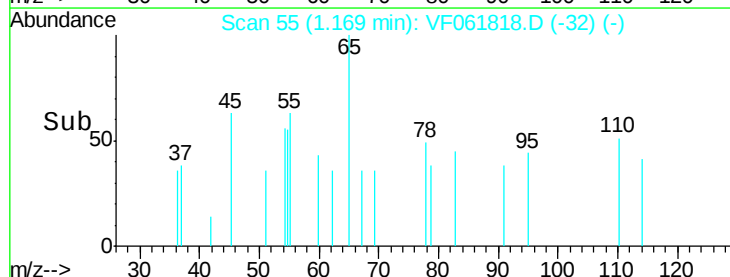
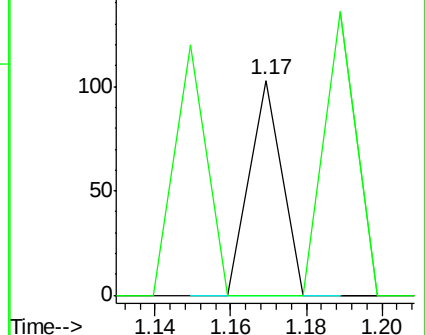
62 100

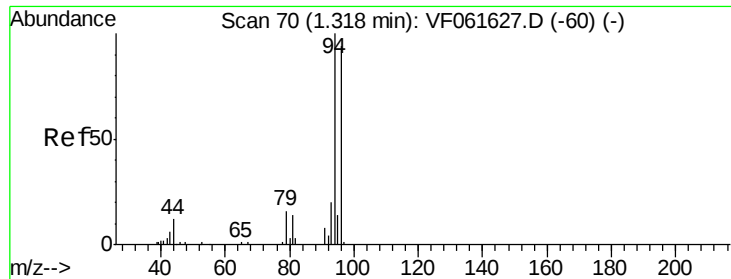
64 0.0 27.5 41.3#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 3.615 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.03 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

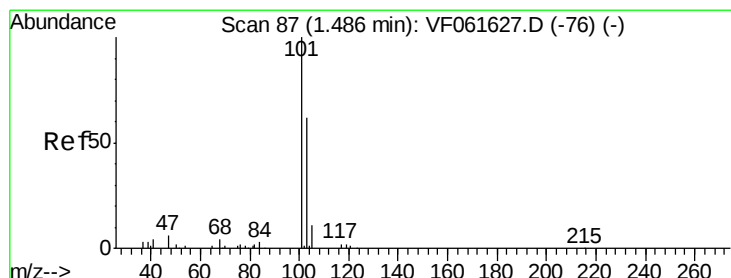
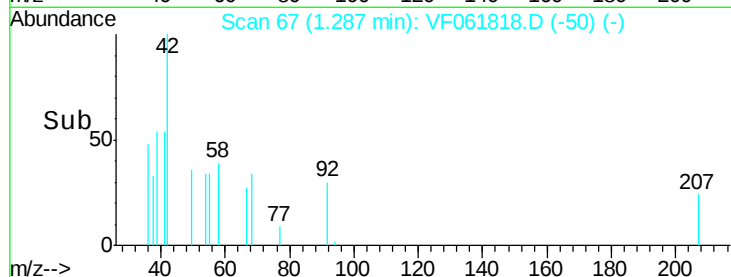
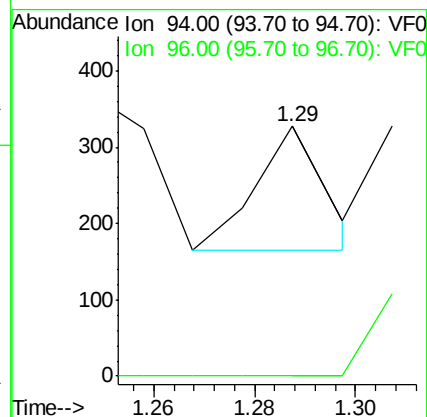
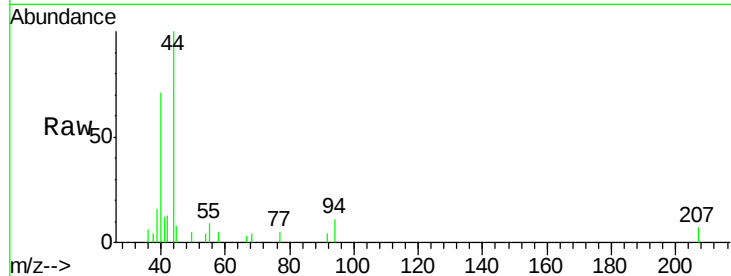
200051RE

Tot Ion: 94 Resp: 151

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



#7

Trichlorofluoromethane

Concen: 1.202 ug/l

RT: 1.55 min Scan# 94

Delta R.T. 0.07 min

Lab File: VF061818.D

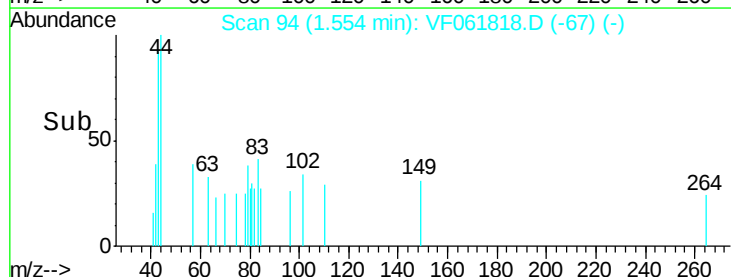
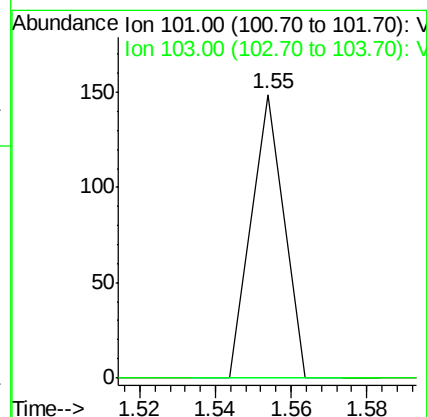
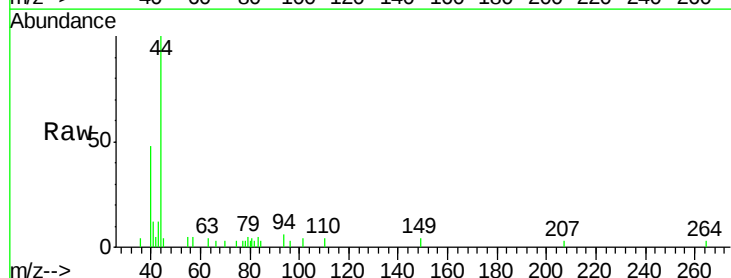
Acq: 1 Mar 2019 22:40

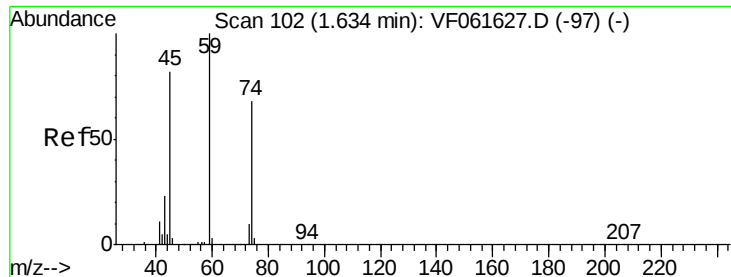
Tgt Ion: 101 Resp: 88

Ion Ratio Lower Upper

101 100

103 0.0 49.3 73.9#





#8

Diethyl Ether

Concen: 6.504 ug/l

RT: 1.77 min Scan# 116

Delta R.T. 0.14 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

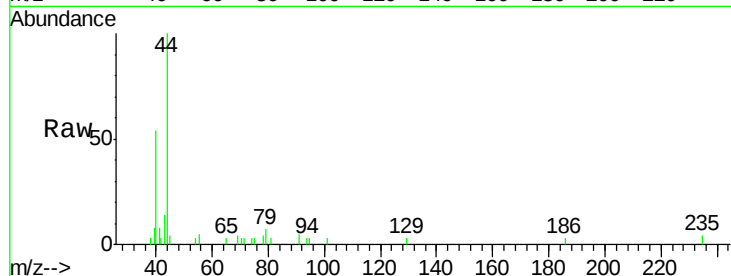
200051RE

Tot Ion: 74 Resp: 120

Ion Ratio Lower Upper

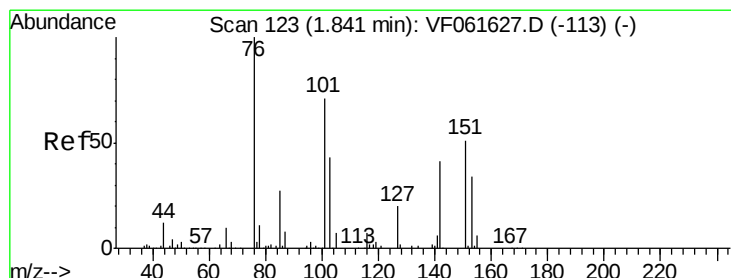
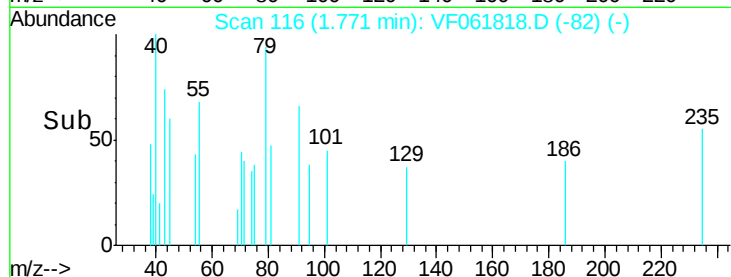
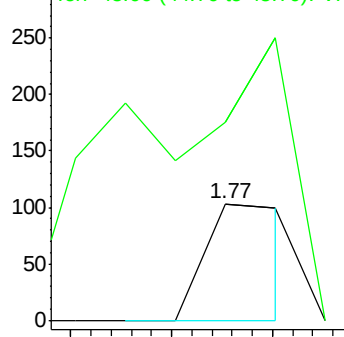
74 100

45 170.9 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.477 ug/l

RT: 1.77 min Scan# 116

Delta R.T. -0.07 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

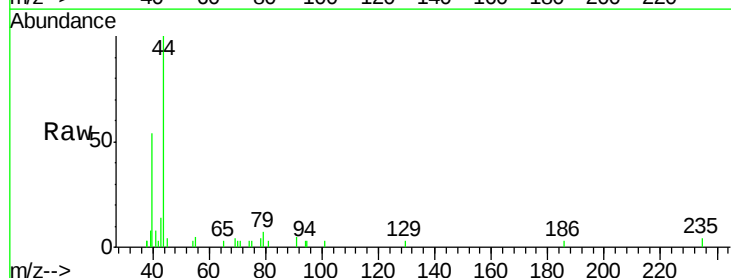
Tgt Ion: 101 Resp: 78

Ion Ratio Lower Upper

101 100

85 0.0 29.8 44.6#

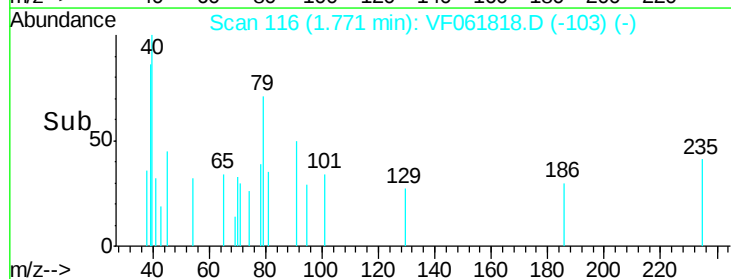
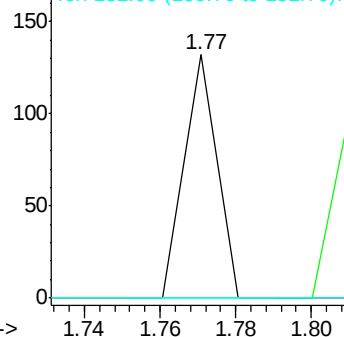
151 0.0 56.3 84.5#

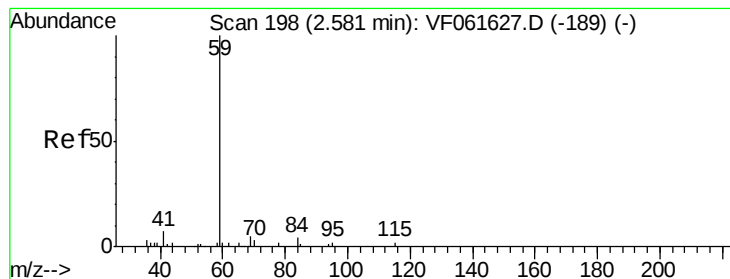


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



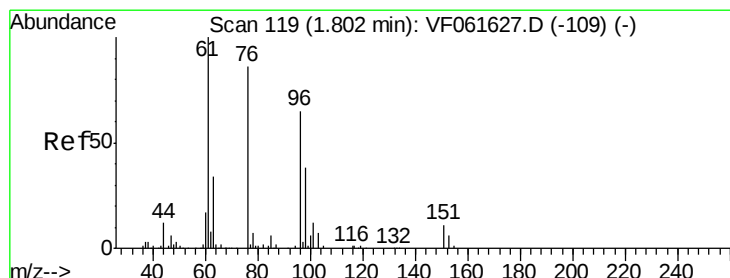
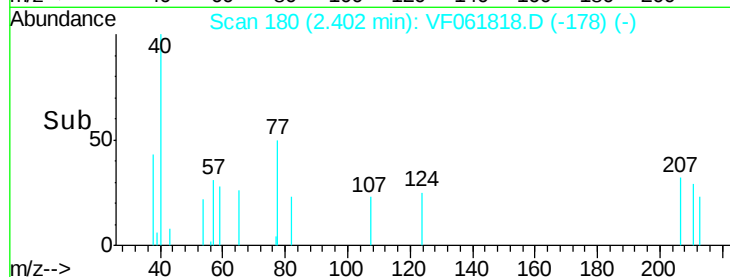
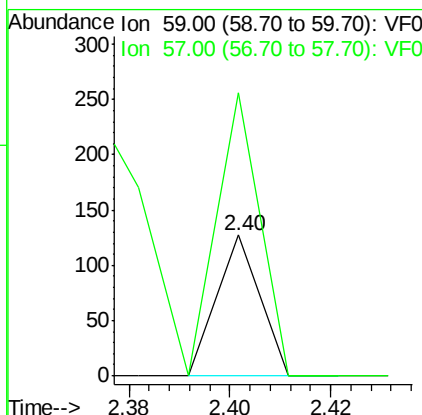
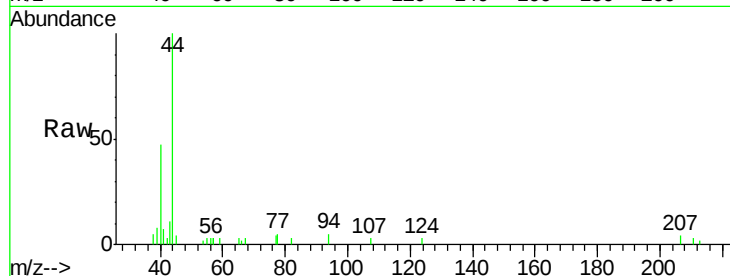


#11

Tert butyl alcohol
Concen: 32.611 ug/l
RT: 2.40 min Scan# 180
Delta R.T. -0.18 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

Instrument :
MSVOA_F
ClientSampleId :
200051RE

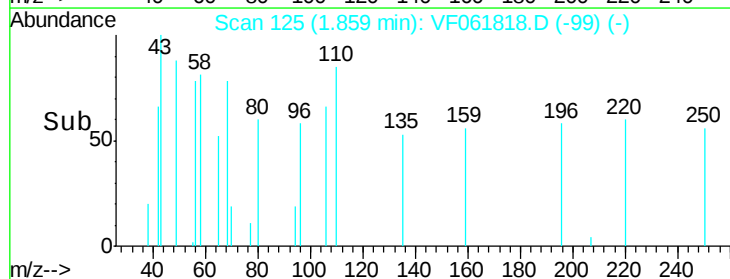
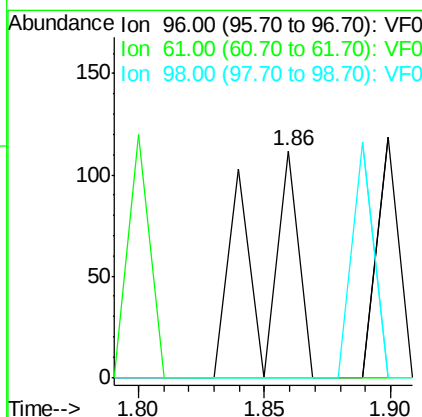
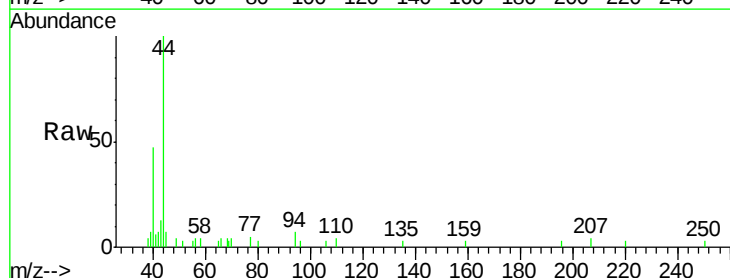
Tot Ion: 59 Resp: 75
Ion Ratio Lower Upper
59 100
57 201.6 12.5 18.7#

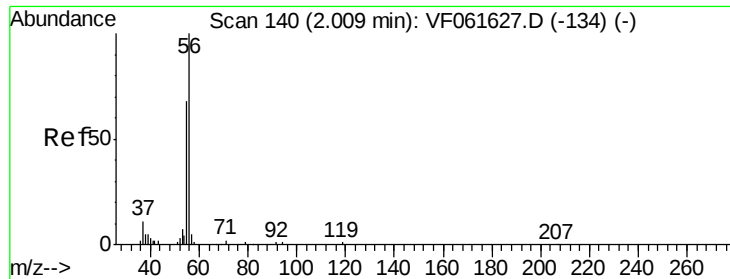


#12

1,1-Dichloroethene
Concen: 2.735 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.06 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

Tgt Ion: 96 Resp: 127
Ion Ratio Lower Upper
96 100
61 0.0 122.6 184.0#
98 0.0 47.2 70.8#





#13

Acrolein

Concen: 132.506 ug/l

RT: 1.94 min Scan# 133

Delta R.T. -0.07 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

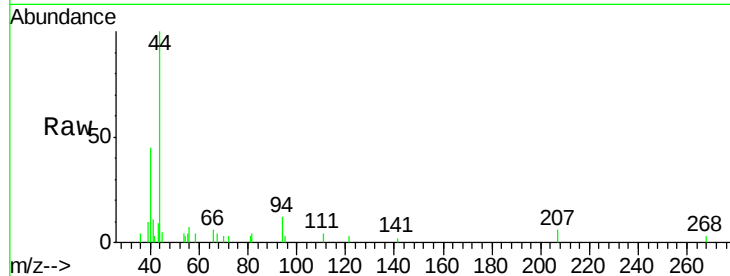
200051RE

Tot Ion: 56 Resp: 383

Ion Ratio Lower Upper

56 100

55 58.1 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

400

300

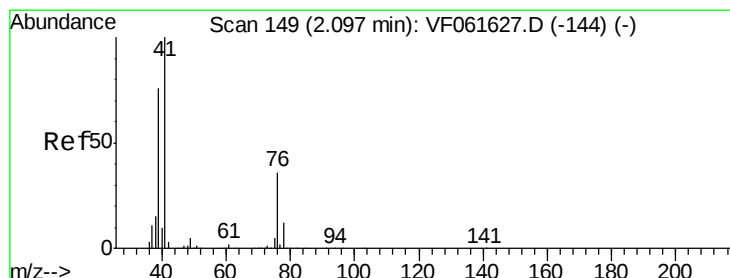
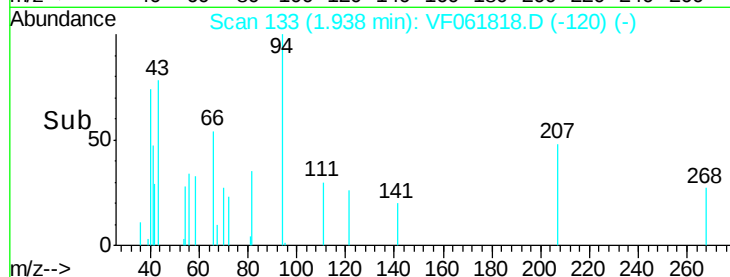
200

100

0

1.90 1.92 1.94 1.96

Time-->



#14

Allyl chloride

Concen: 16.567 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.02 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

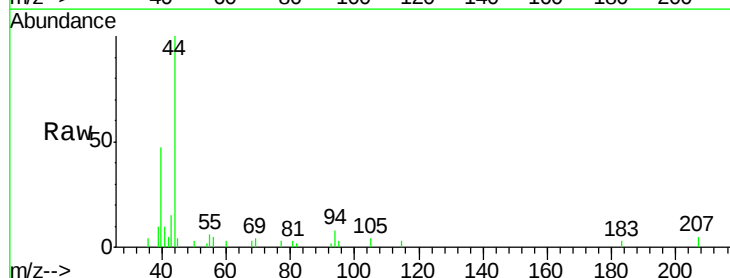
Tgt Ion: 41 Resp: 944

Ion Ratio Lower Upper

41 100

39 100.5 61.6 92.4#

76 0.0 30.3 45.5#



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

800

600

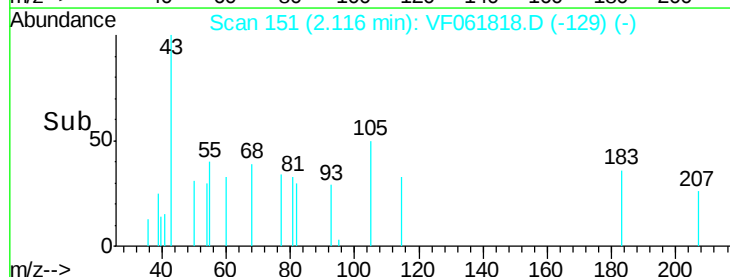
400

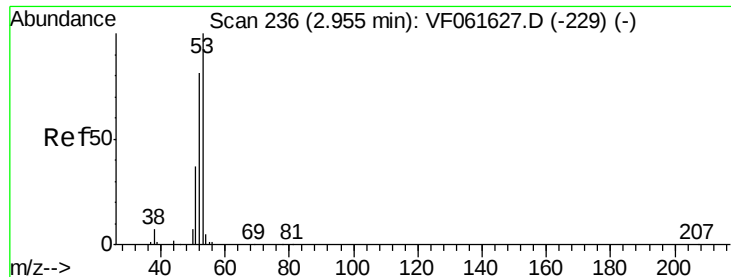
200

0

2.00 2.05 2.10 2.15

Time-->





#15

Acrylonitrile

Concen: 36.531 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

200051RE

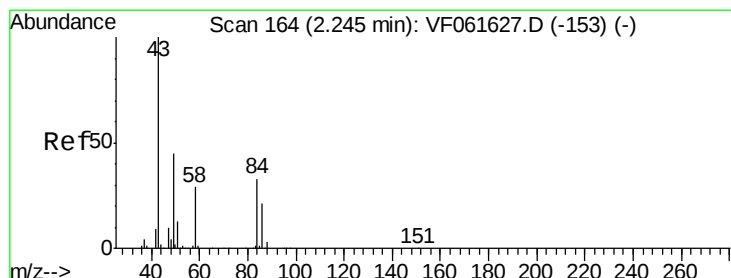
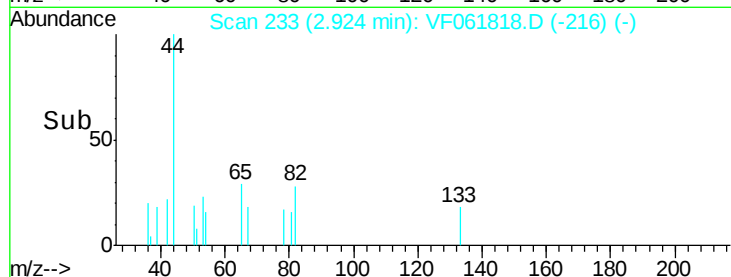
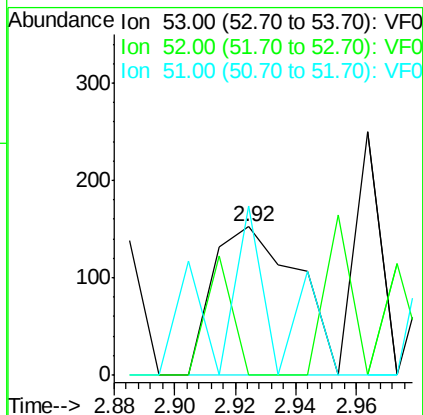
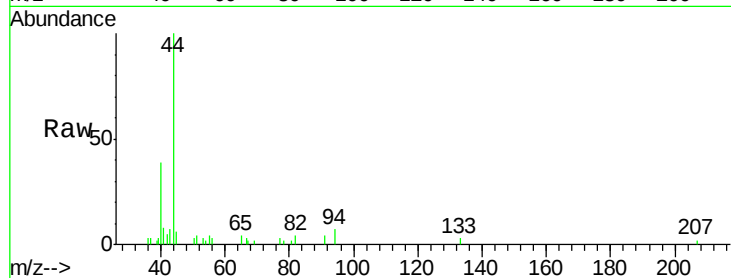
Tot Ion: 53 Resp: 298

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

51 114.5 29.8 44.8#



#16

Acetone

Concen: 83.039 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF061818.D

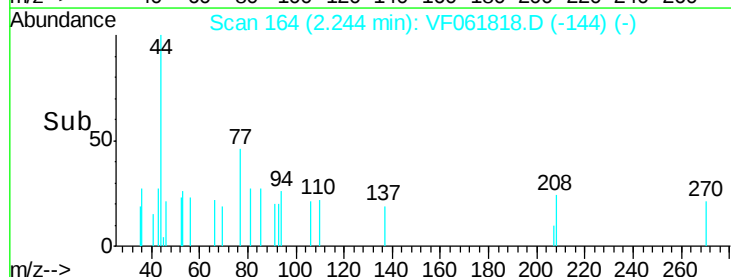
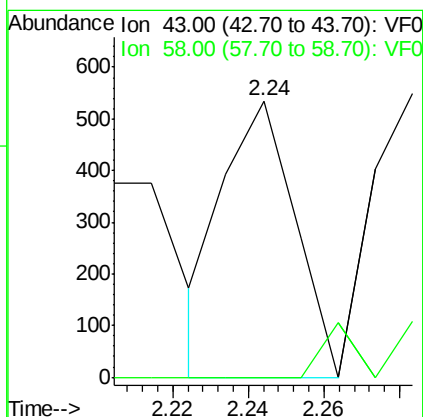
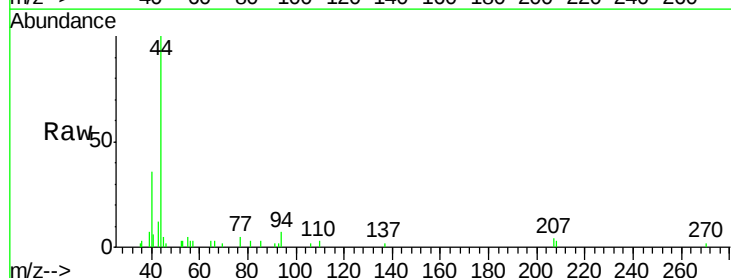
Acq: 1 Mar 2019 22:40

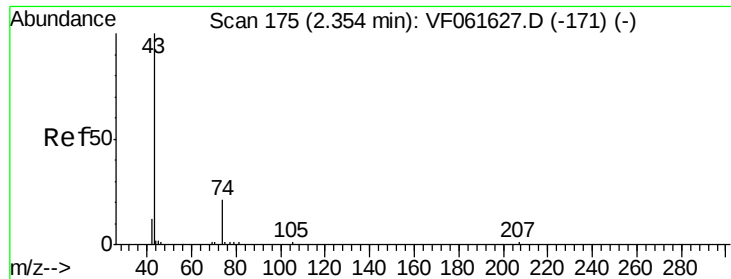
Tgt Ion: 43 Resp: 708

Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#

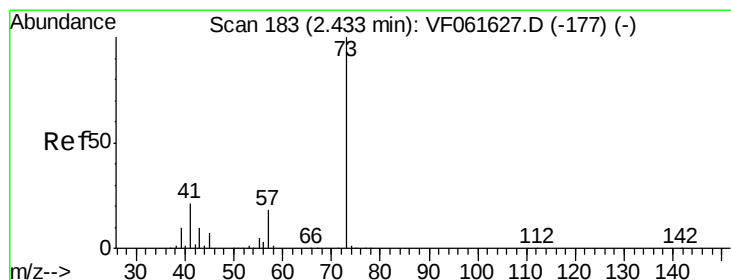
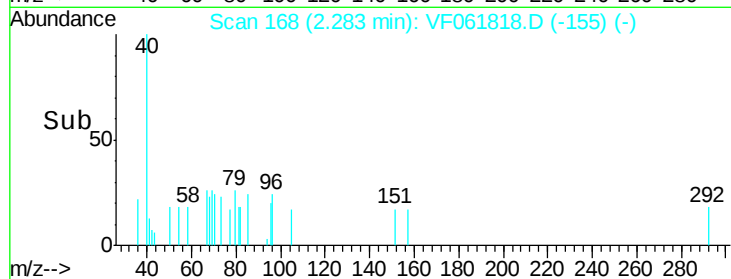
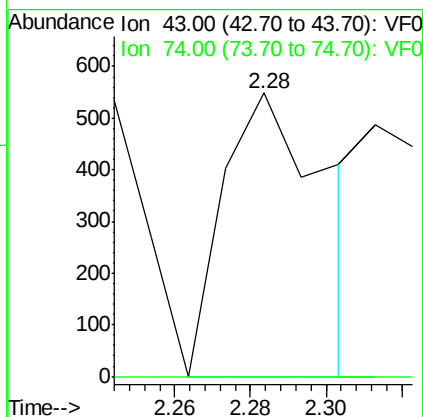
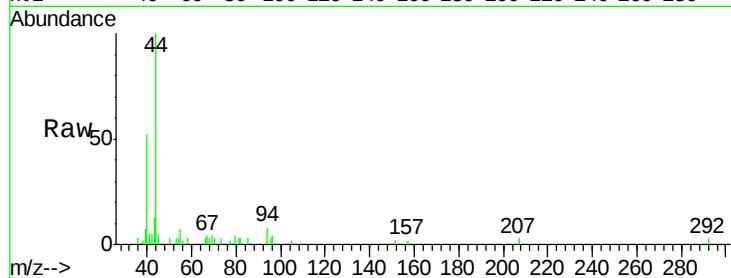




#18
Methyl Acetate
Concen: 53.782 ug/l
RT: 2.28 min Scan# 168
Delta R.T. -0.07 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

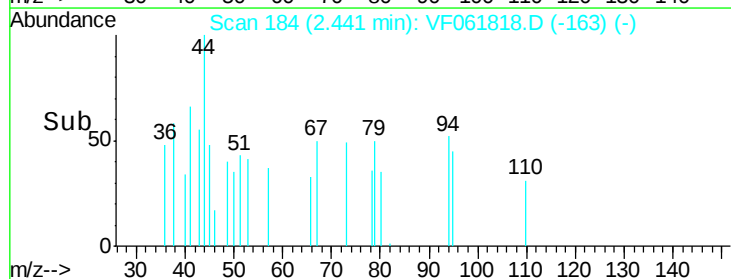
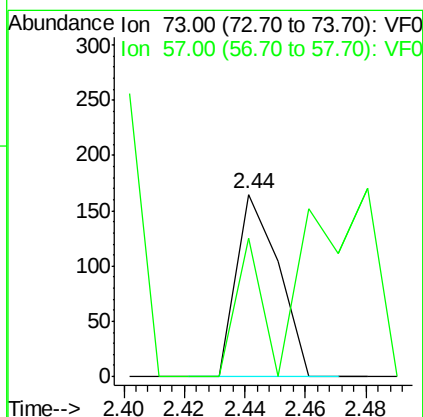
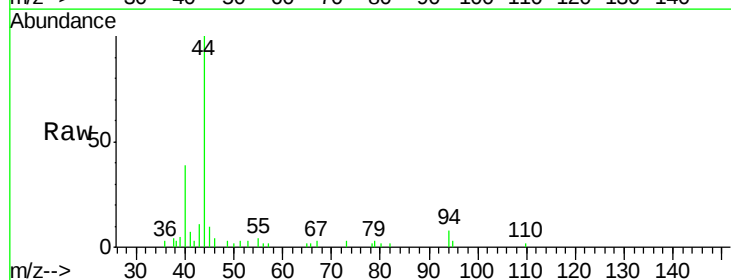
Instrument :
MSVOA_F
ClientSampleId :
200051RE

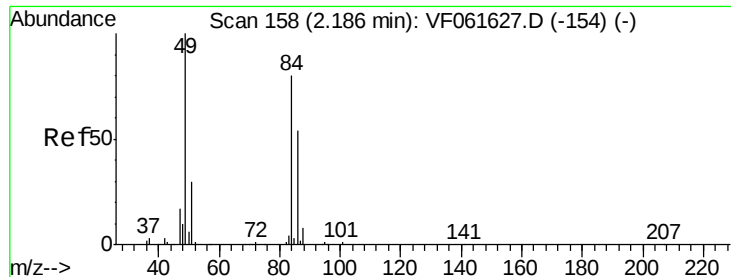
Tot Ion: 43 Resp: 1033
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#19
Methyl tert-butyl Ether
Concen: 2.004 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

Tgt Ion: 73 Resp: 159
Ion Ratio Lower Upper
73 100
57 75.8 15.8 23.8#

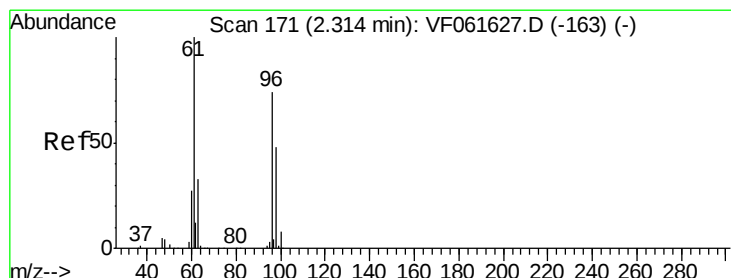
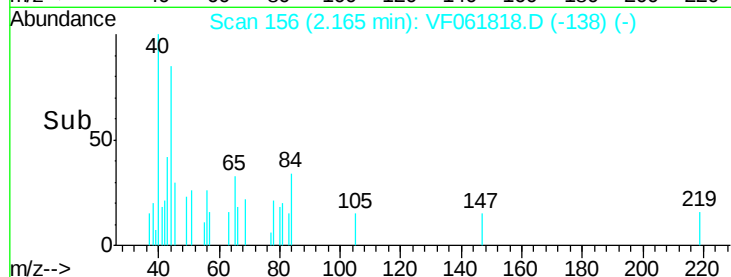
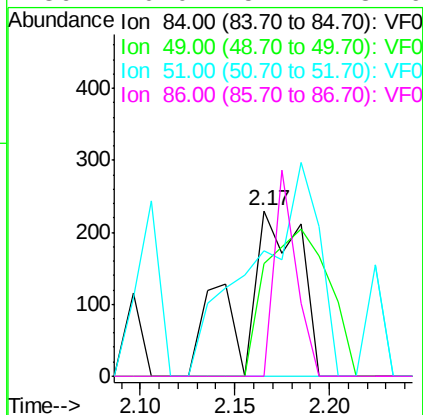
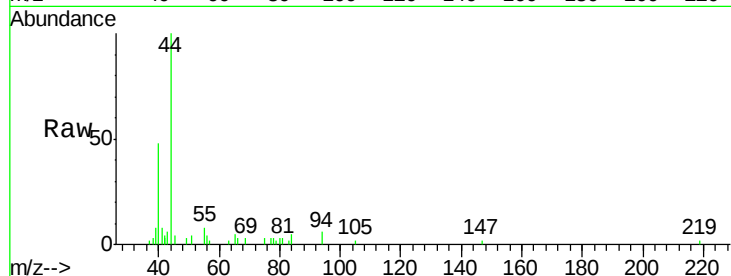




#20
Methvlene Chloride
Concen: 9.055 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

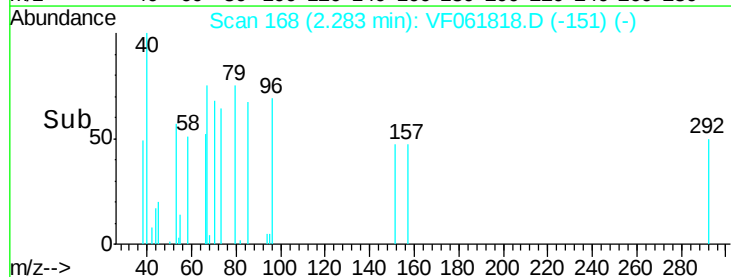
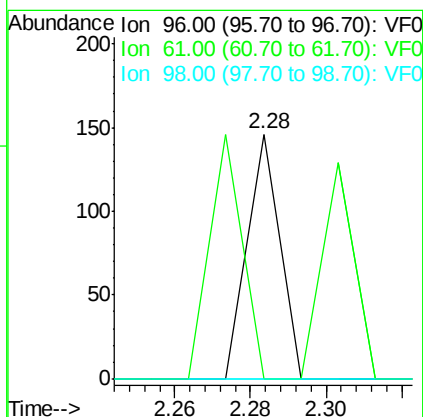
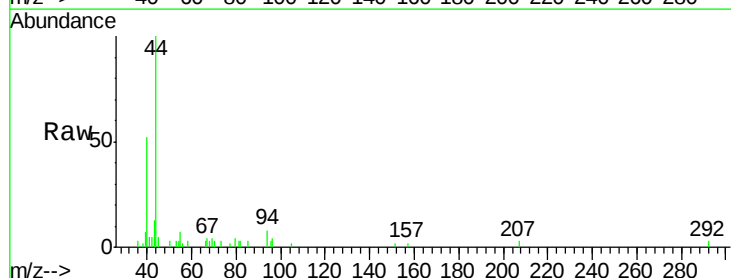
Instrument :
MSVOA_F
ClientSampleId :
200051RE

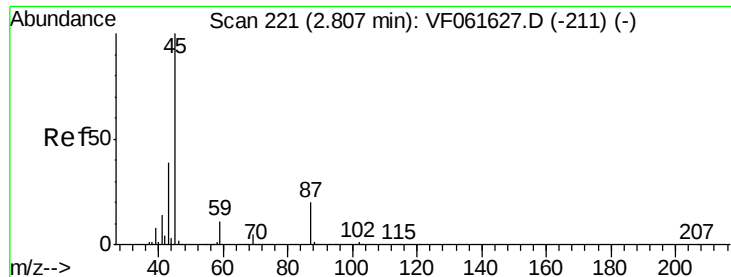
Tot Ion: 84 Resp: 508
Ion Ratio Lower Upper
84 100
49 67.8 101.8 152.8#
51 75.7 31.1 46.7#
86 0.0 54.4 81.6#



#21
trans-1,2-Dichloroethene
Concen: 1.704 ug/l
RT: 2.28 min Scan# 168
Delta R.T. -0.03 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

Tgt Ion: 96 Resp: 86
Ion Ratio Lower Upper
96 100
61 0.0 108.2 162.4#
98 0.0 52.2 78.2#





#22

Diisopropyl ether

Concen: 7.318 ug/l

RT: 2.77 min Scan# 217

Delta R.T. -0.04 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

200051RE

Tot Ion: 45 Resp: 1001

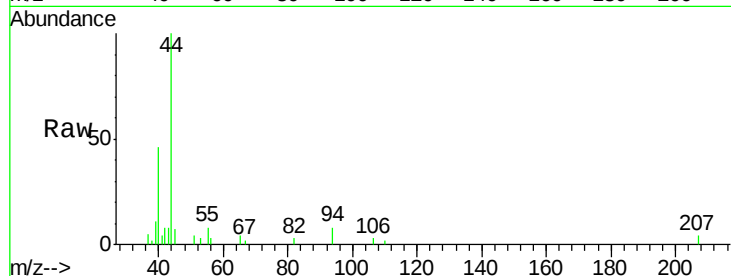
Ion Ratio Lower Upper

45 100

43 118.2 31.4 47.2#

87 0.0 16.3 24.5#

59 0.0 8.7 13.1#

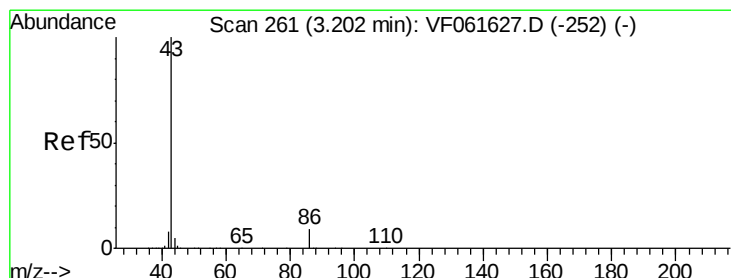
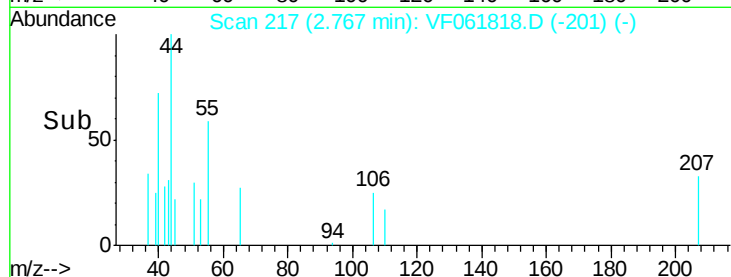
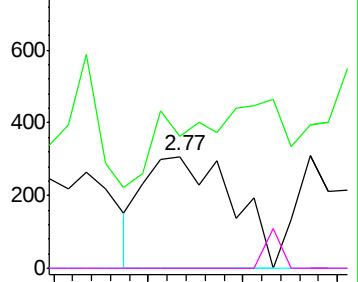


Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



#23

Vinyl Acetate

Concen: 3.847 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.04 min

Lab File: VF061818.D

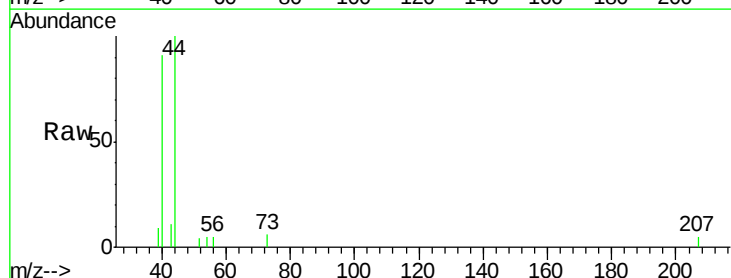
Acq: 1 Mar 2019 22:40

Tgt Ion: 43 Resp: 257

Ion Ratio Lower Upper

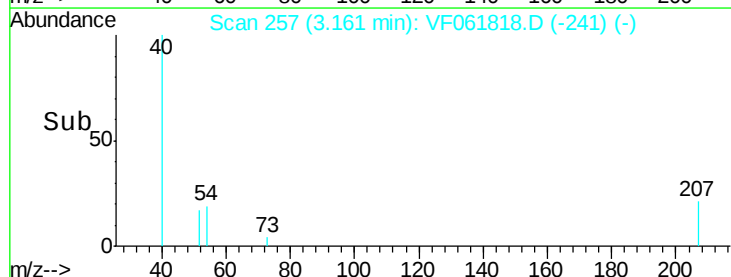
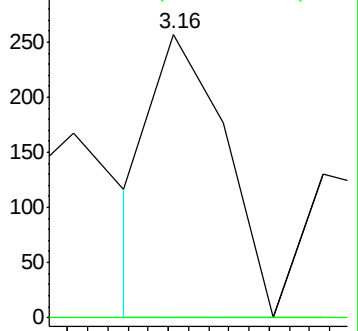
43 100

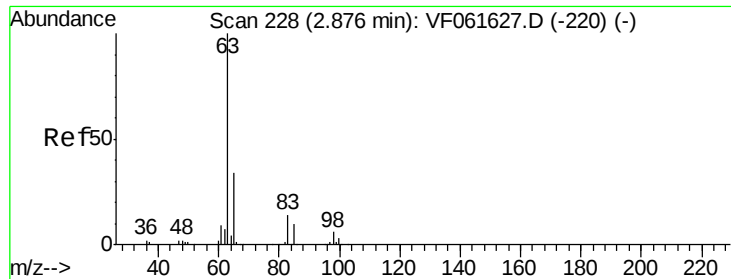
86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 1.921 ug/l

RT: 2.90 min Scan# 231

Delta R.T. 0.03 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

200051RE

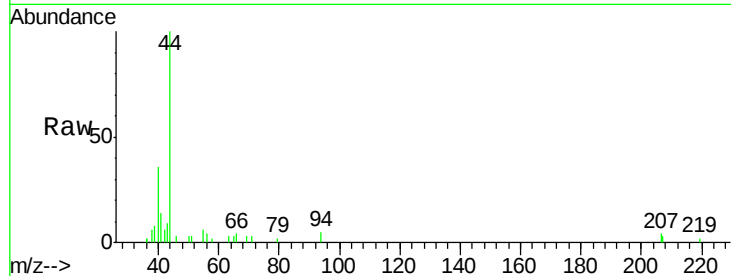
Tot Ion: 63 Resp: 159

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 0.0 1.8 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.90

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

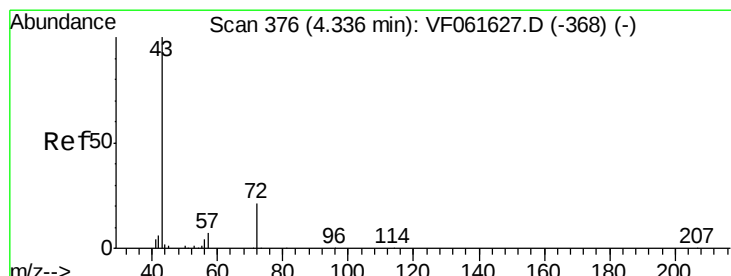
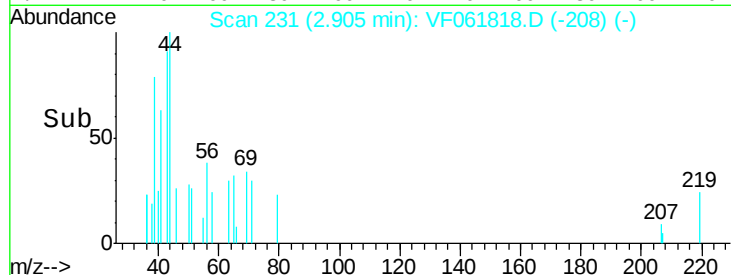
2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00

2.85 2.90 2.95 3.00



#25

2-Butanone

Concen: 33.130 ug/l

RT: 4.32 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061818.D

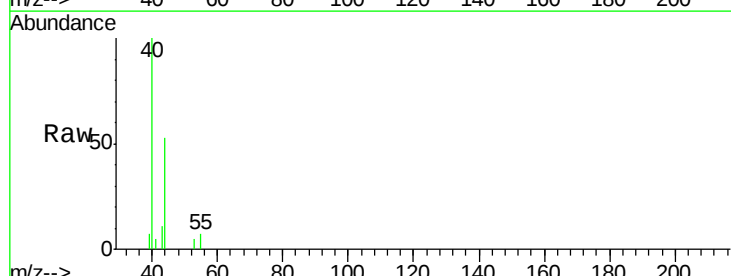
Acq: 1 Mar 2019 22:40

Tgt Ion: 43 Resp: 617

Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.32

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

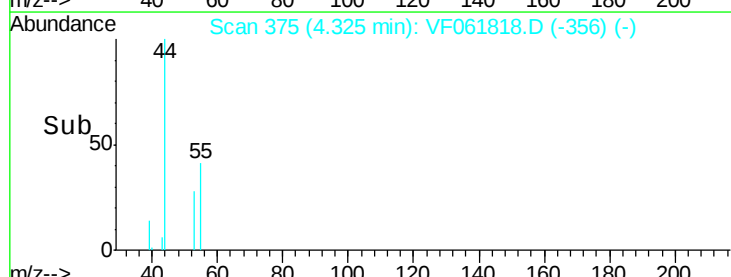
4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

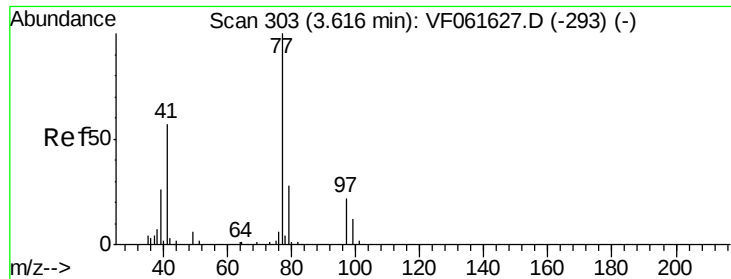
4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36

4.30 4.32 4.34 4.36



Time-->



#26

2,2-Dichloropropane

Concen: 1.911 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.03 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

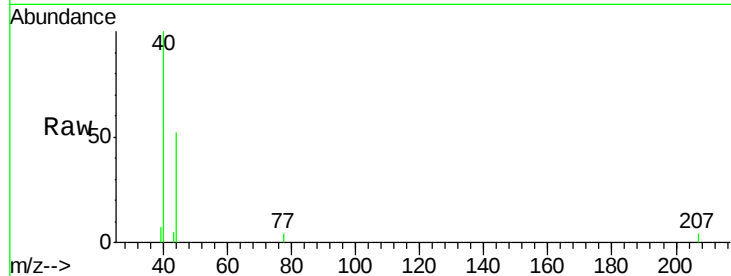
200051RE

Tot Ion: 77 Resp: 67

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.59

120

100

80

60

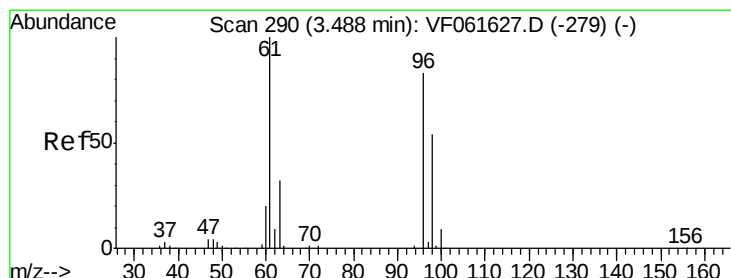
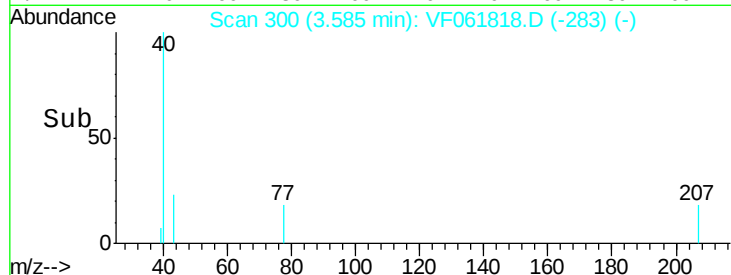
40

20

0

3.56 3.58 3.60

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.404 ug/l

RT: 3.45 min Scan# 286

Delta R.T. -0.04 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

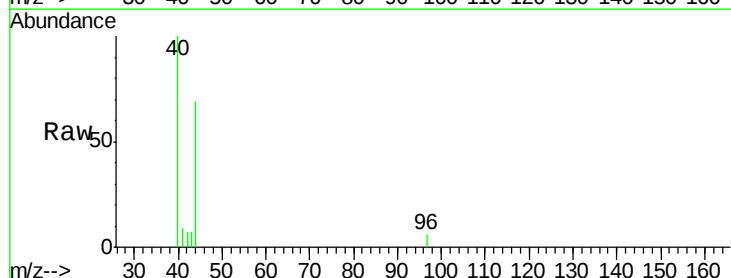
Tgt Ion: 96 Resp: 93

Ion Ratio Lower Upper

96 100

61 0.0 0.0 241.6

98 0.0 0.0 130.2



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

200

150

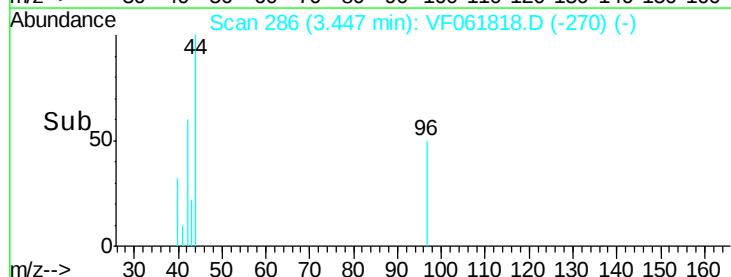
100

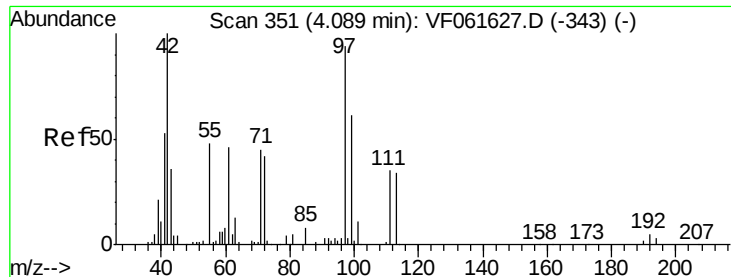
50

0

3.42 3.44 3.46 3.48

Time-->





#29

Tetrahydrofuran

Concen: 15.122 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

200051RE

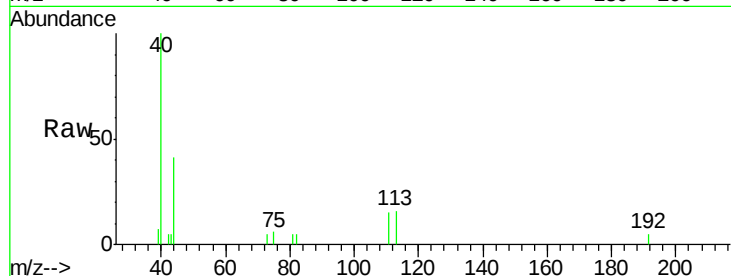
Tot Ion: 42 Resp: 128

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

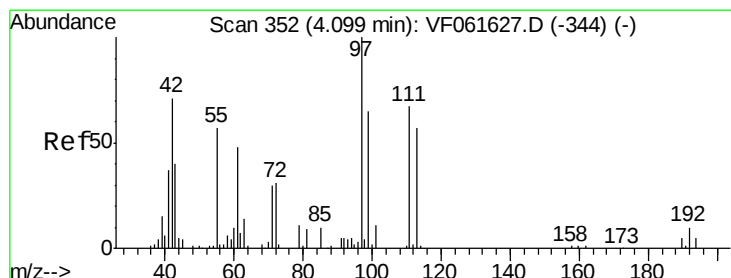
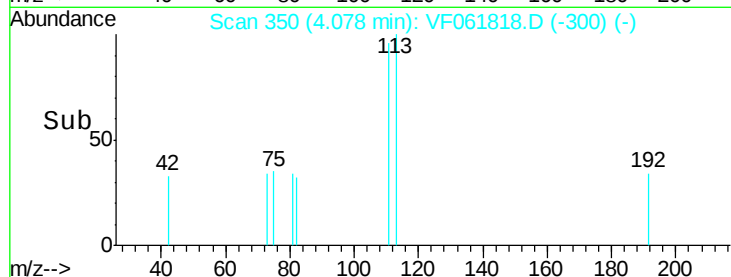
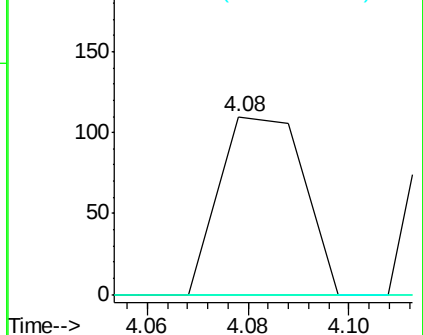
71 0.0 32.9 49.3#



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



#32

1,1,1-Trichloroethane

Concen: 1.087 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

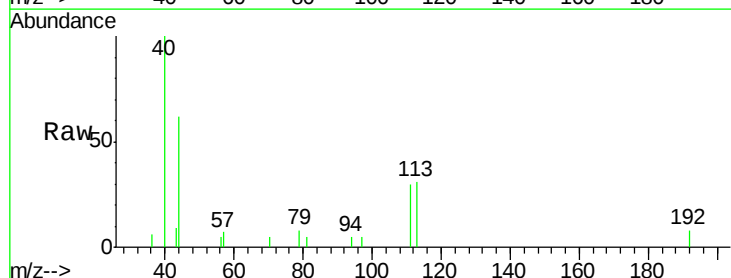
Tgt Ion: 97 Resp: 67

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

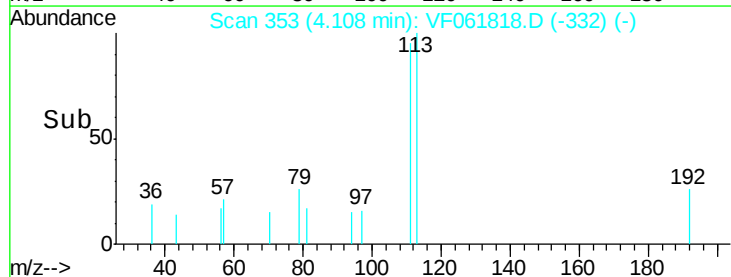
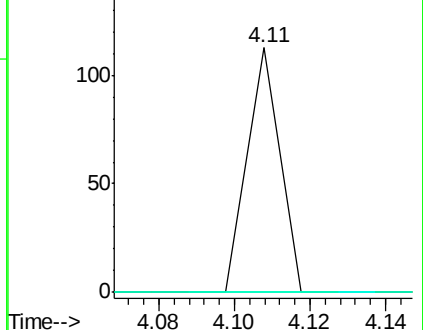
61 0.0 39.2 58.8#

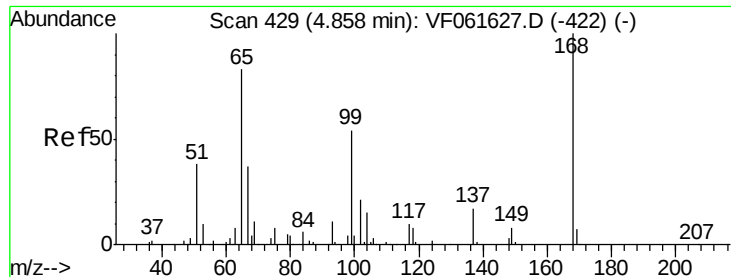


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

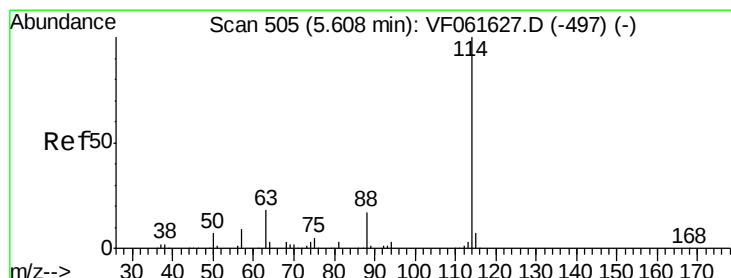
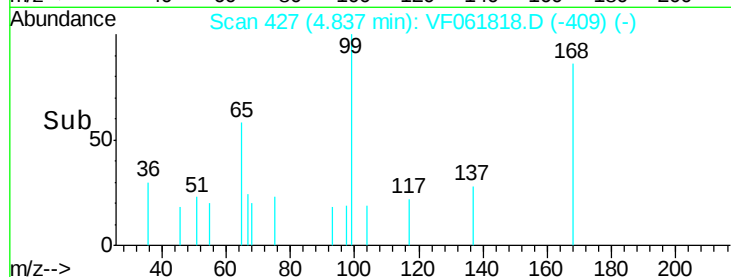
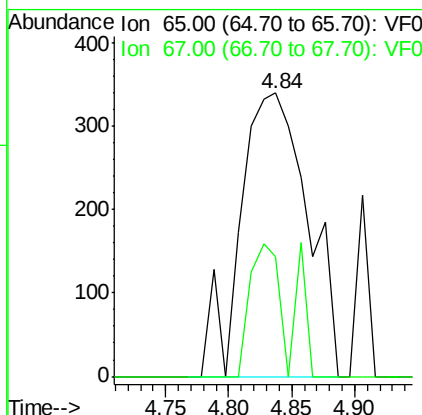
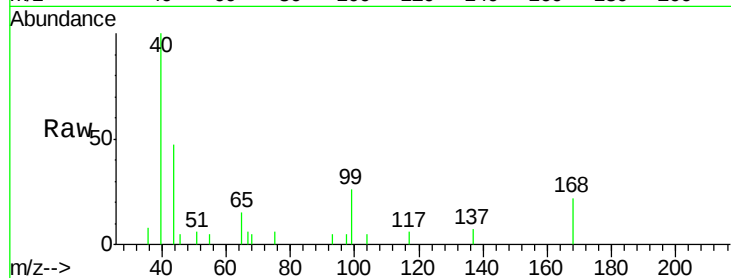




#33
 1,2-Dichloroethane-d4
 Concen: 31.884 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.02 min
 Lab File: VF061818.D
 Acq: 1 Mar 2019 22:40

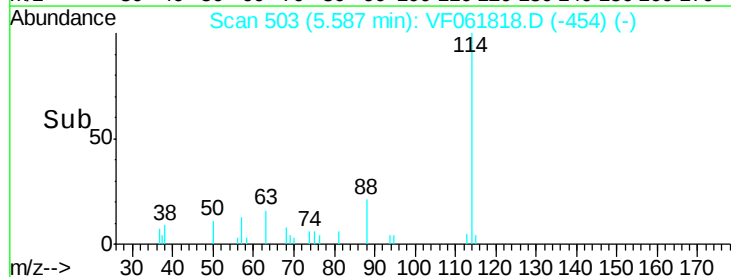
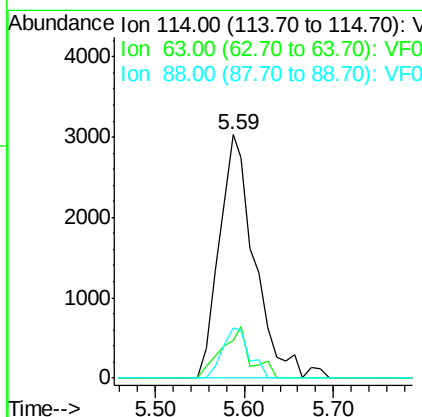
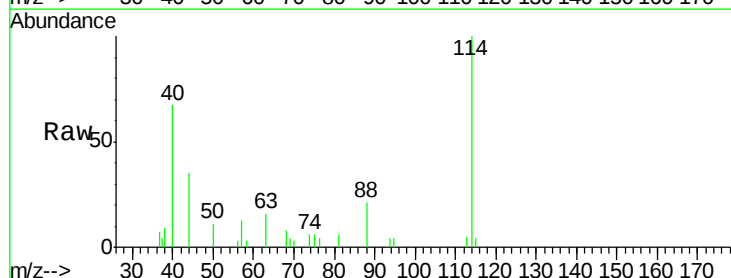
Instrument :
 MSVOA_F
 ClientSampleId :
 200051RE

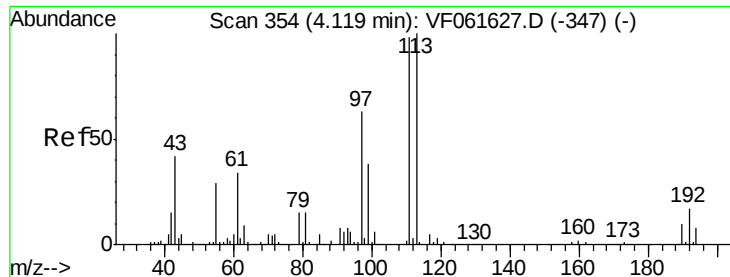
Tot Ion: 65 Resp: 1267
 Ion Ratio Lower Upper
 65 100
 67 42.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061818.D
 Acq: 1 Mar 2019 22:40

Tgt Ion: 114 Resp: 8419
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 36.6
 88 20.8 0.0 34.4





#35

Dibromofluoromethane

Concen: 33.061 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

200051RE

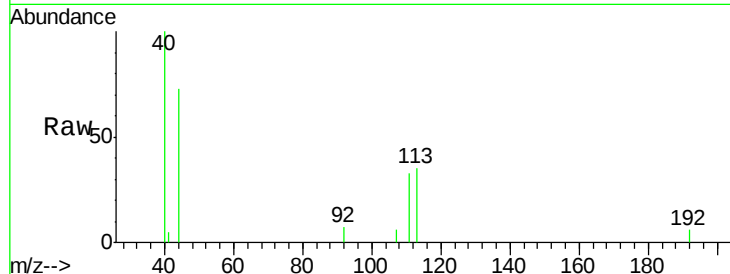
Tot Ion:113 Resp: 2067

Ion Ratio Lower Upper

113 100

111 94.8 78.8 118.2

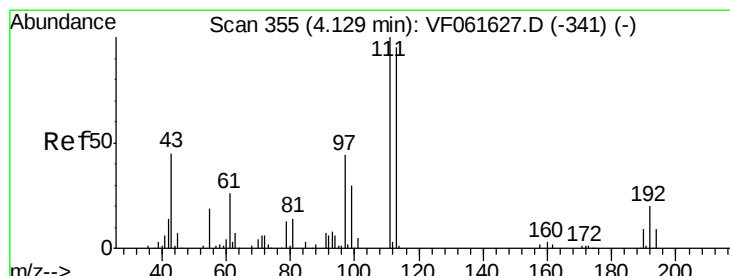
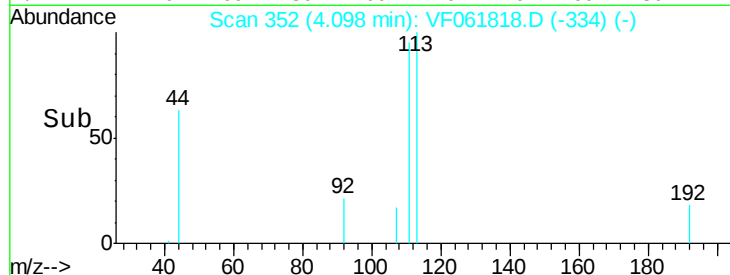
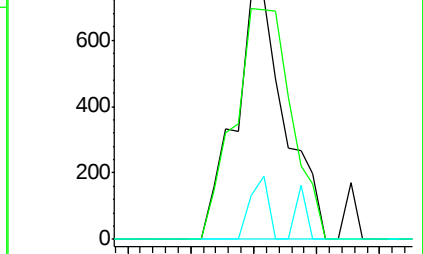
192 18.3 13.4 20.0



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



#37

Ethyl Acetate

Concen: 6.454 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

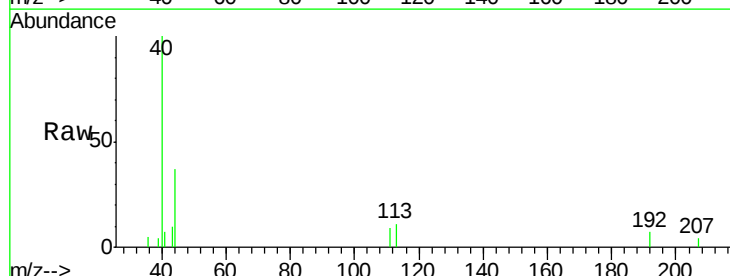
Tgt Ion: 43 Resp: 250

Ion Ratio Lower Upper

43 100

61 0.0 45.7 68.5#

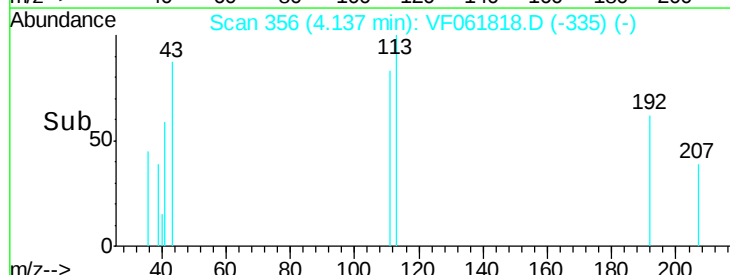
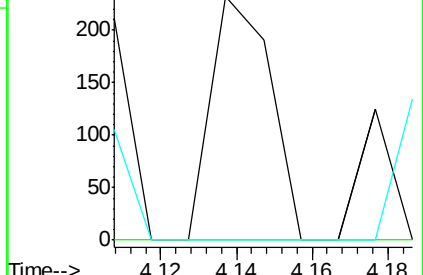
70 0.0 8.5 12.7#

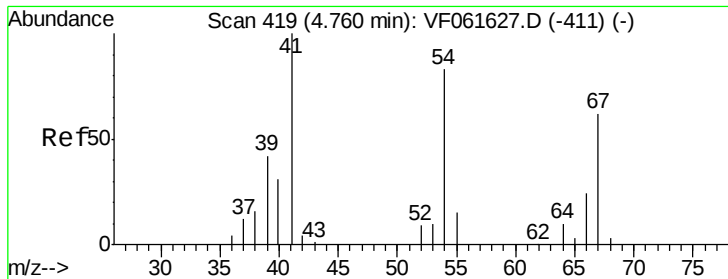


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#41

Methacrylonitrile

Concen: 16.103 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.04 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

200051RE

Tot Ion: 41 Resp: 319

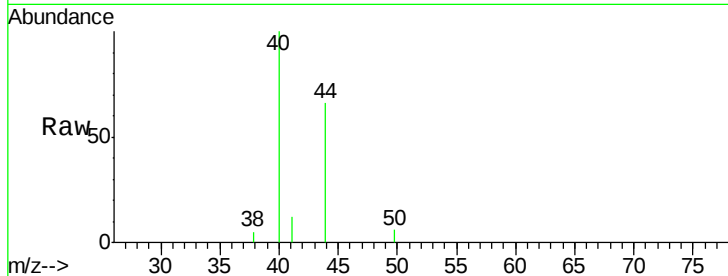
Ion Ratio Lower Upper

41 100

39 0.0 45.3 67.9#

67 0.0 49.3 73.9#

52 0.0 32.6 49.0#

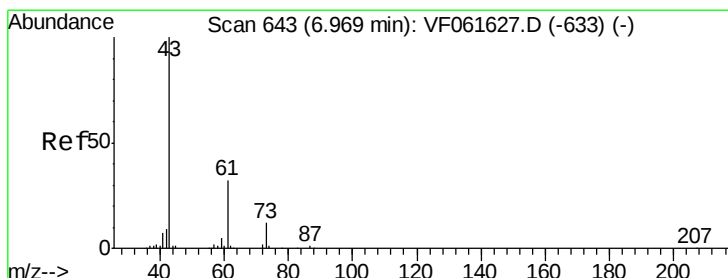
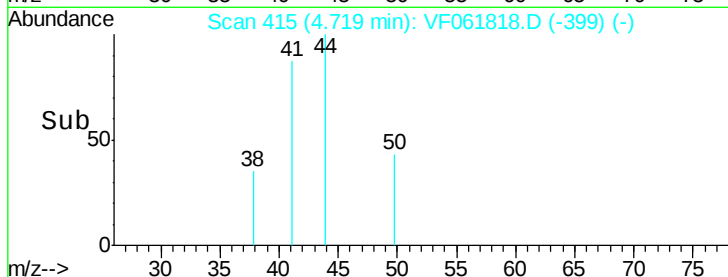
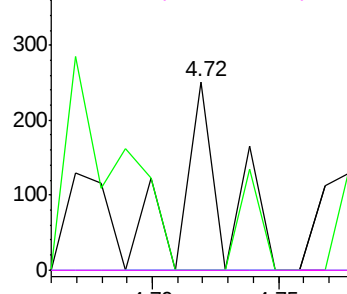


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#43

Isopropyl Acetate

Concen: 2.181 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

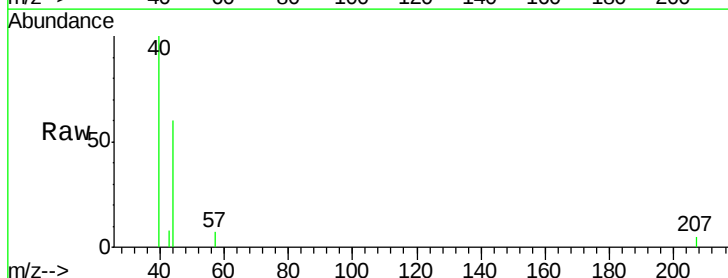
Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

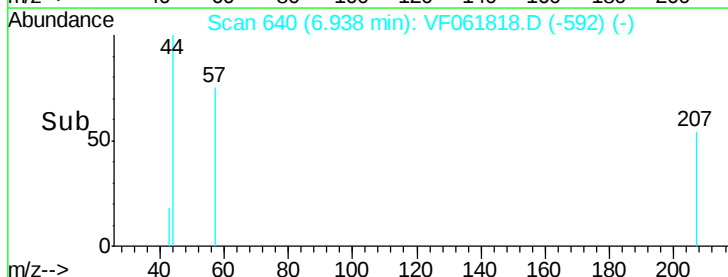
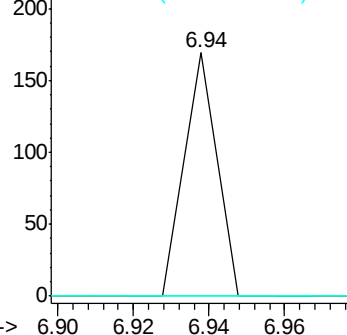
87 0.0 0.4 0.6#

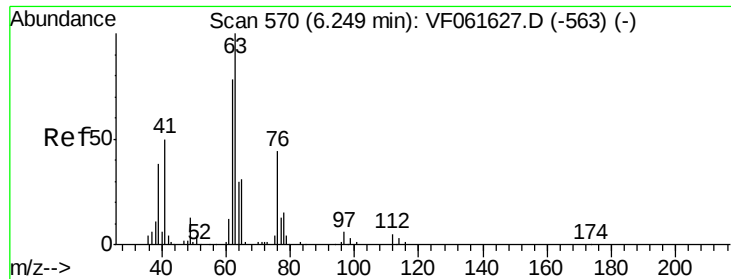


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#45

1,2-Dichloropropane

Concen: 1.157 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.15 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

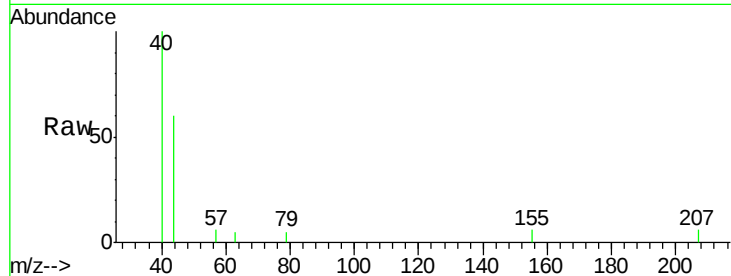
200051RE

Tot Ion: 63 Resp: 61

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.10

100

80

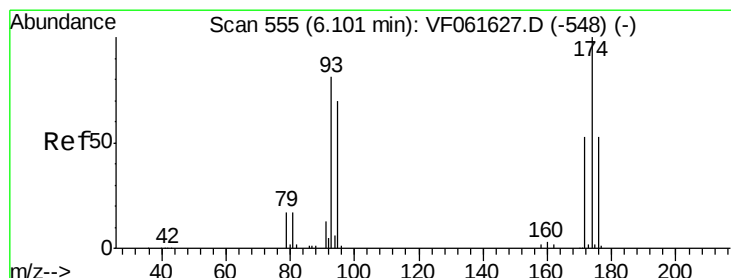
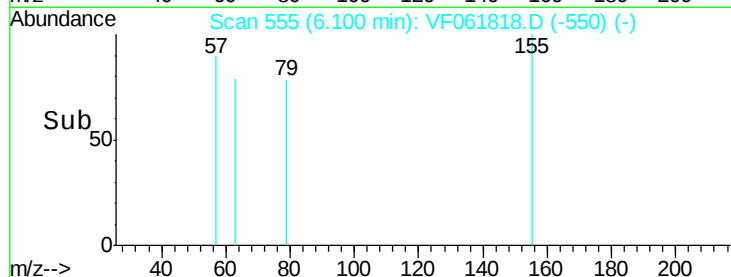
60

40

20

0

Time-->



#46

Dibromomethane

Concen: 2.464 ug/l

RT: 6.11 min Scan# 556

Delta R.T. 0.01 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

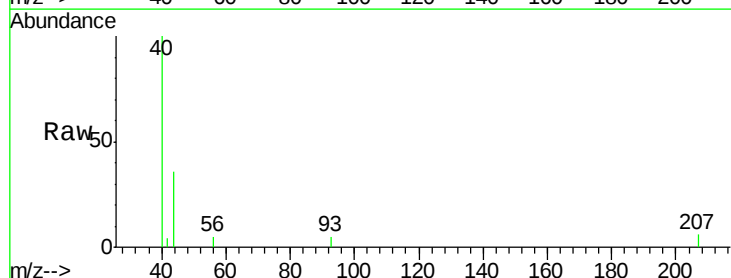
Tgt Ion: 93 Resp: 80

Ion Ratio Lower Upper

93 100

95 0.0 69.0 103.6#

174 0.0 99.3 148.9#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

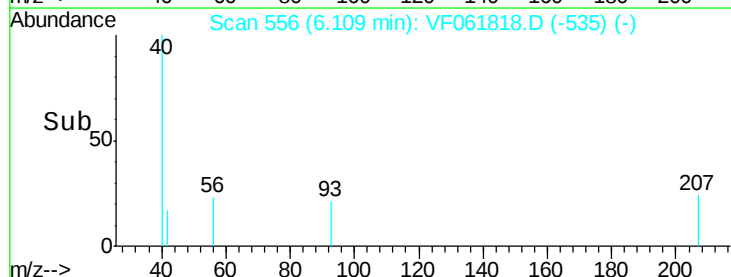
150

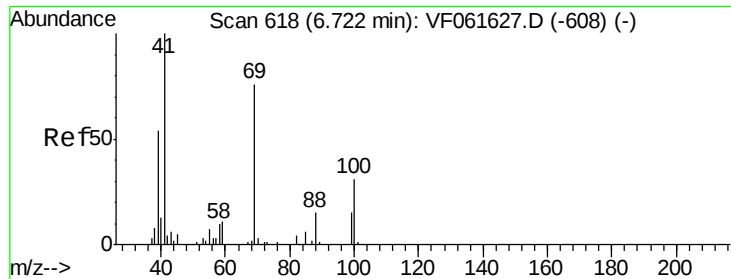
100

50

0

Time-->

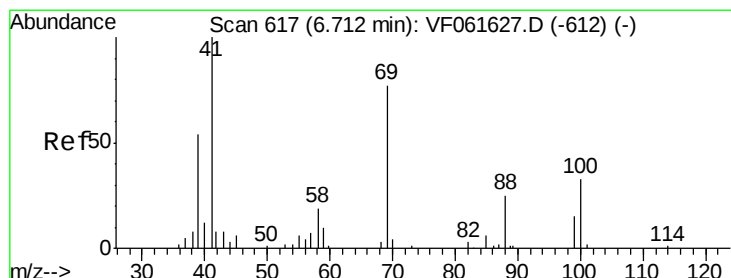
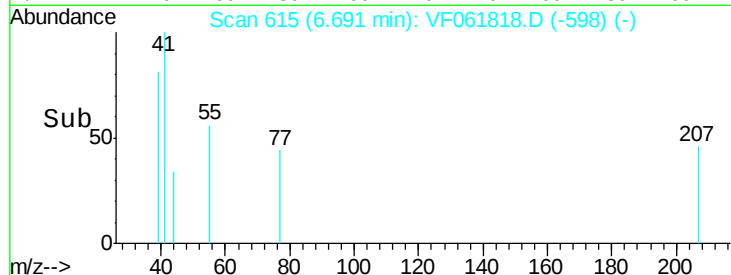
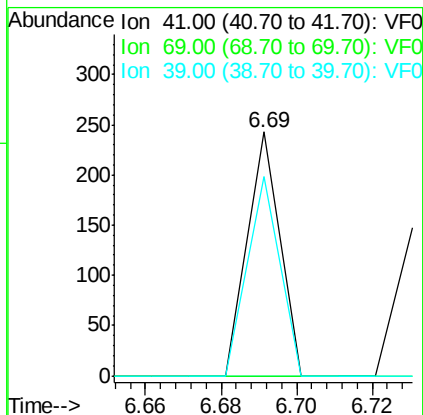
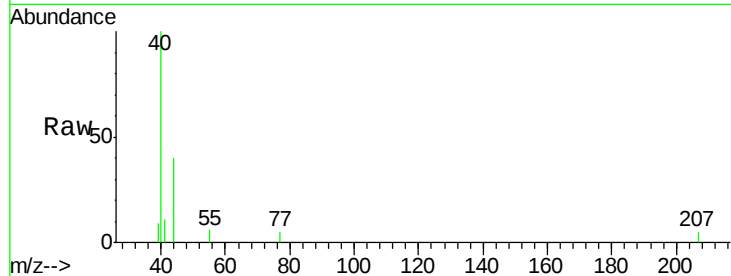




#48
Methyl methacrylate
Concen: 5.219 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.03 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

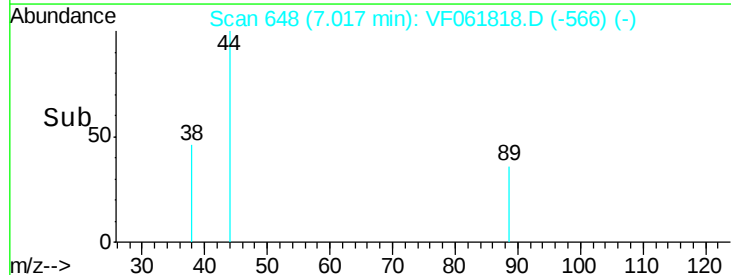
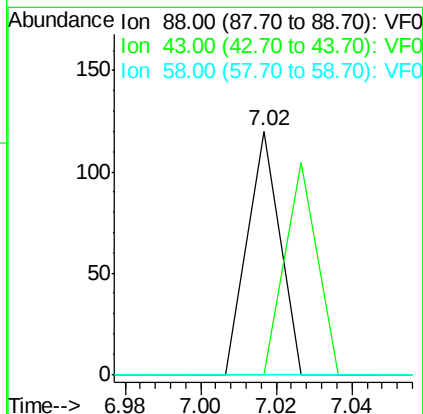
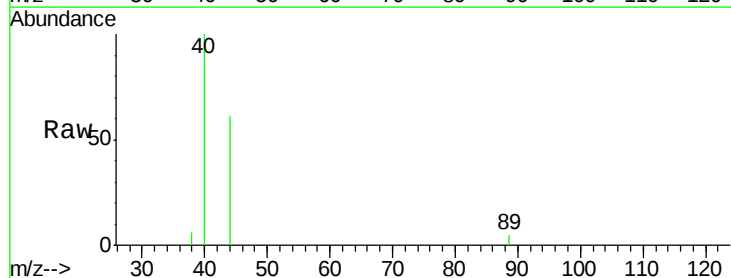
Instrument :
MSVOA_F
ClientSampled :
200051RE

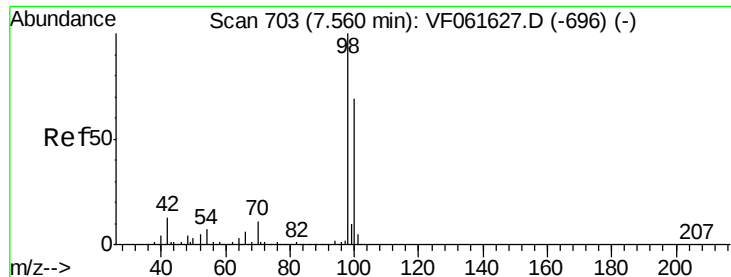
Tot Ion: 41 Resp: 144
Ion Ratio Lower Upper
41 100
69 0.0 60.4 90.6#
39 81.5 43.7 65.5#



#49
1,4-Dioxane
Concen: 273.712 ug/l
RT: 7.02 min Scan# 648
Delta R.T. 0.30 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 32.3 48.5#
58 0.0 59.4 89.2#





#50

Toluene-d8

Concen: 42.292 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

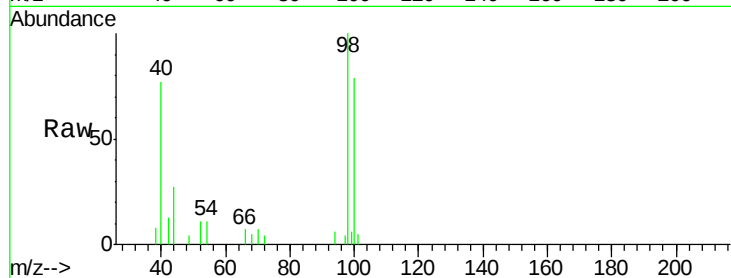
200051RE

Tot Ion: 98 Resp: 7601

Ion Ratio Lower Upper

98 100

100 79.0 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.55

3000

2000

1000

0

Time-->

7.50

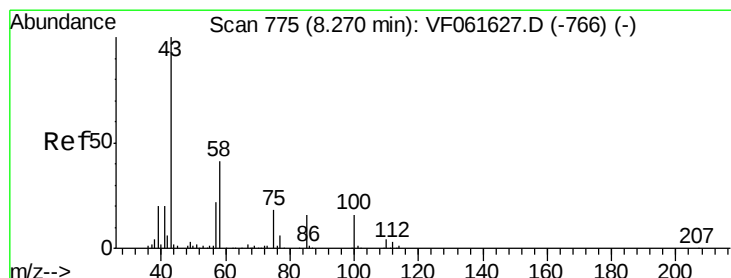
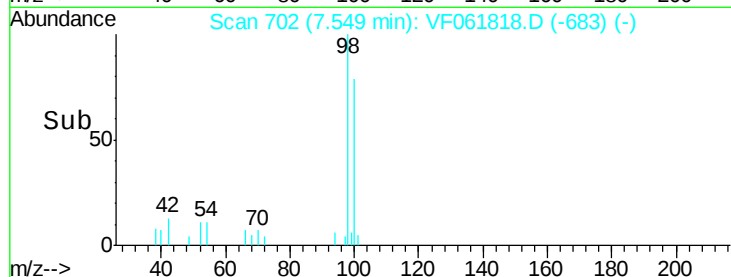
7.60

7.70

7.80

7.90

8.00



#51

4-Methyl-2-Pentanone

Concen: 2.594 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061818.D

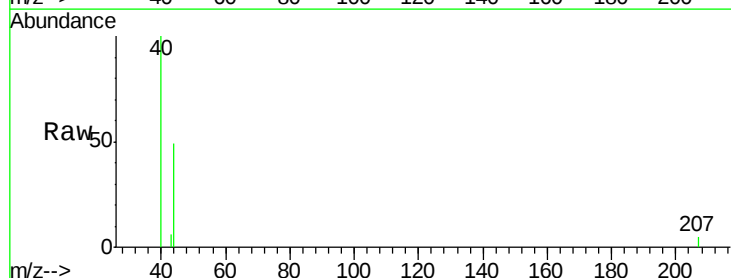
Acq: 1 Mar 2019 22:40

Tgt Ion: 43 Resp: 85

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

150

100

50

0

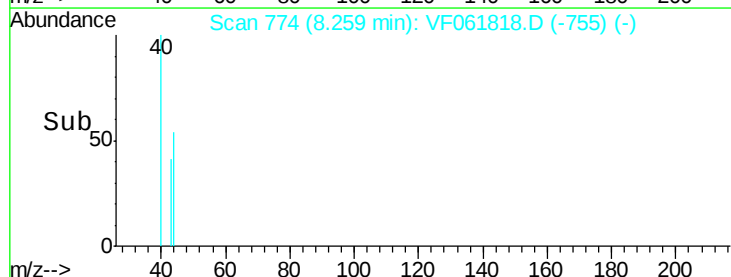
Time-->

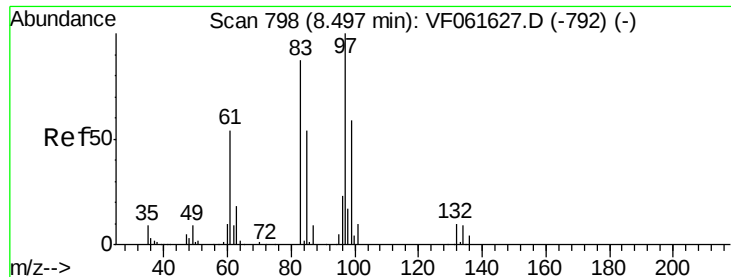
8.22

8.24

8.26

8.28





#55

1,1,2-Trichloroethane

Concen: 1.878 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.13 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

200051RE

Tot Ion: 97 Resp: 73

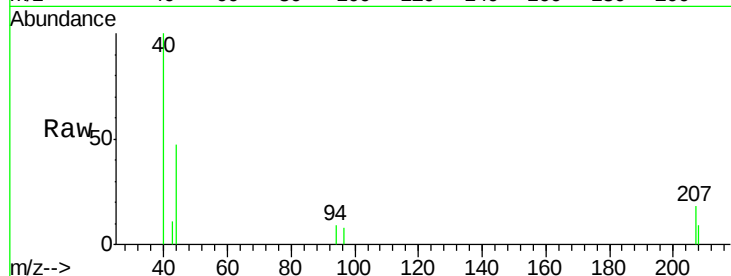
Ion Ratio Lower Upper

97 100

83 0.0 69.2 103.8#

85 0.0 43.0 64.4#

99 0.0 47.2 70.8#

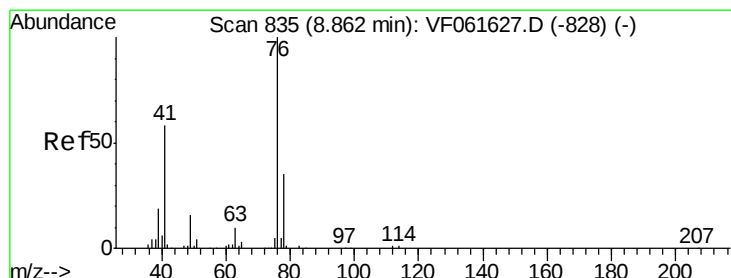
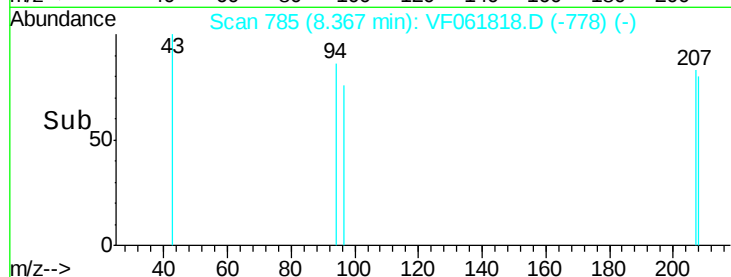
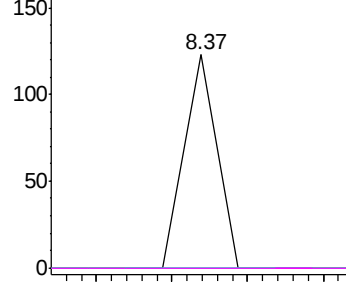


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#57

1,3-Dichloropropane

Concen: 1.264 ug/l

RT: 8.77 min Scan# 826

Delta R.T. -0.09 min

Lab File: VF061818.D

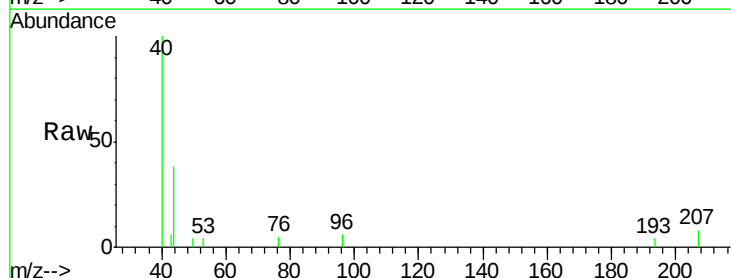
Acq: 1 Mar 2019 22:40

Tgt Ion: 76 Resp: 82

Ion Ratio Lower Upper

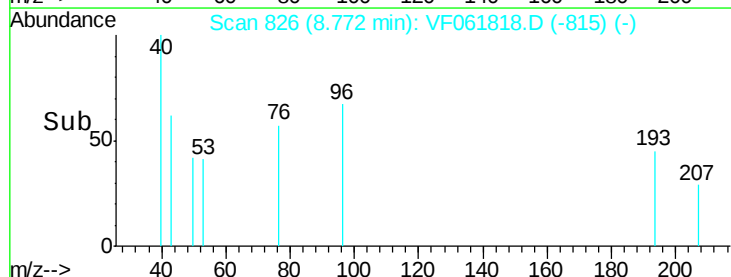
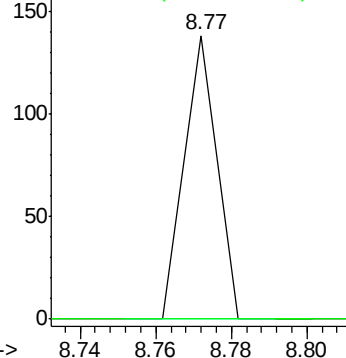
76 100

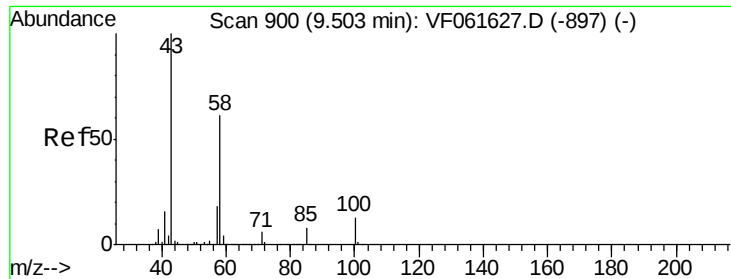
78 0.0 27.8 41.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

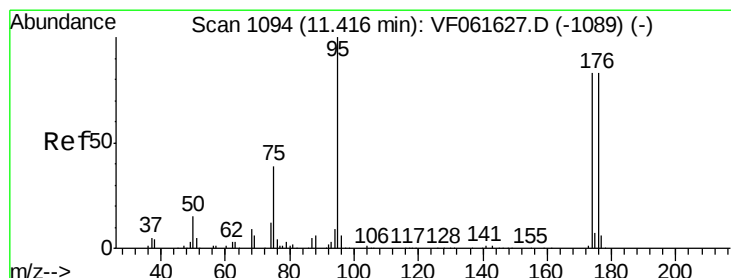
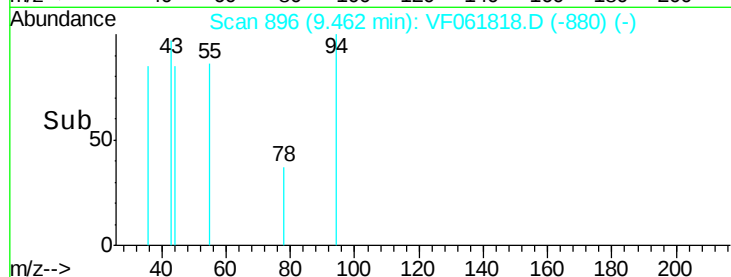
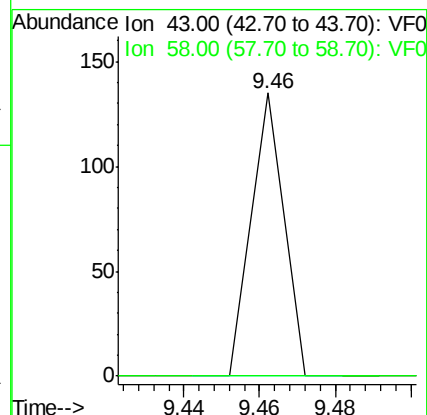
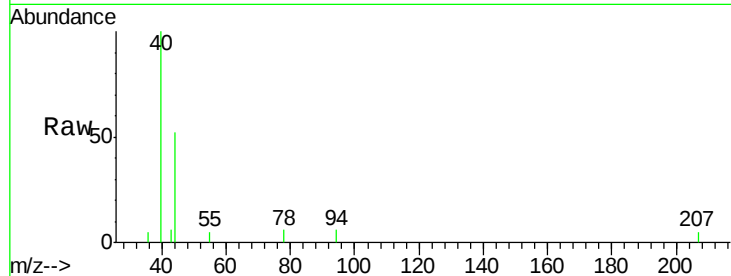




#59
2-Hexanone
Concen: 3.483 ug/l
RT: 9.46 min Scan# 896
Delta R.T. -0.04 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

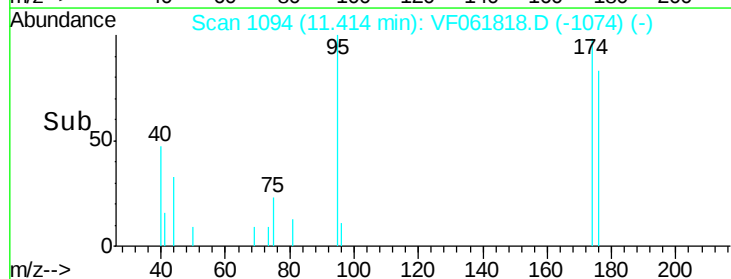
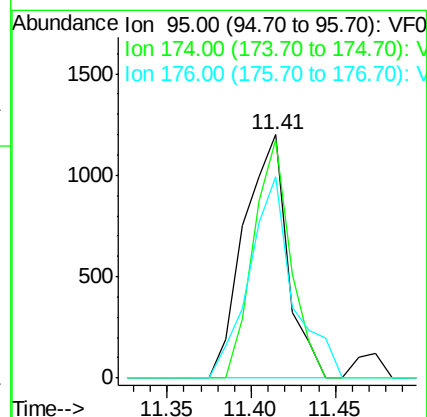
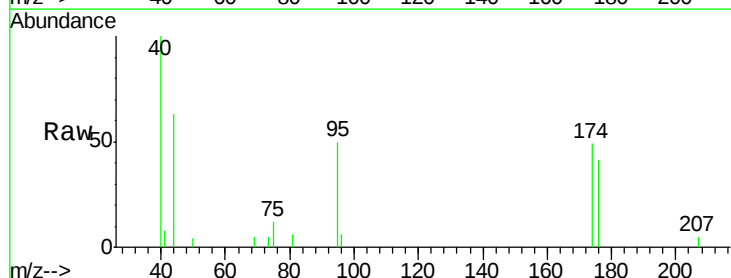
Instrument :
MSVOA_F
ClientSampleId :
200051RE

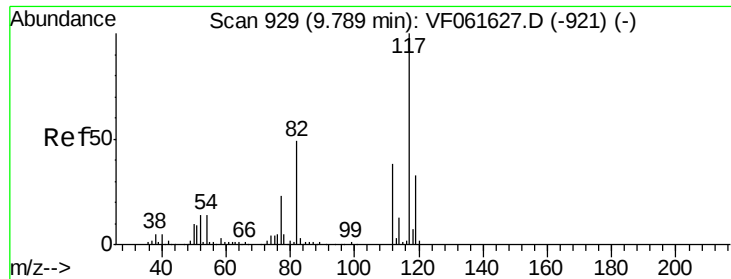
Tot Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 29.620 ug/l
RT: 11.41 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

Tgt Ion: 95 Resp: 2154
Ion Ratio Lower Upper
95 100
174 97.8 0.0 165.8
176 82.9 0.0 167.0

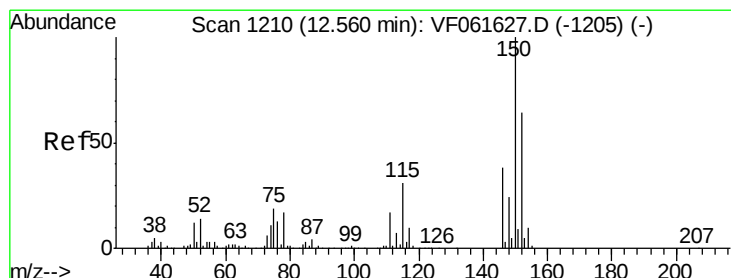
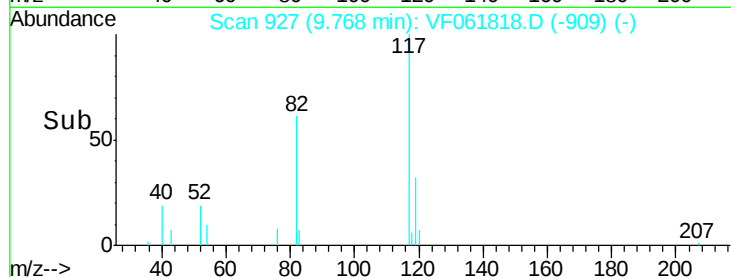
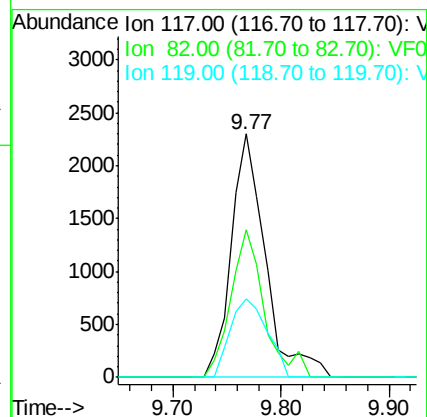
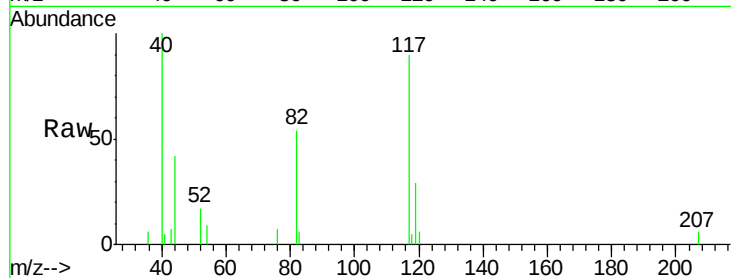




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

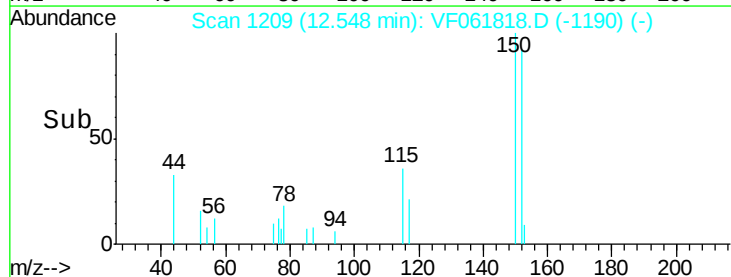
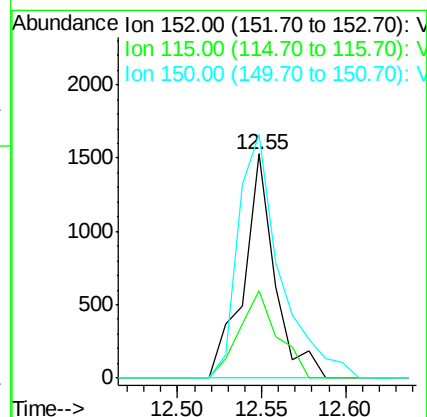
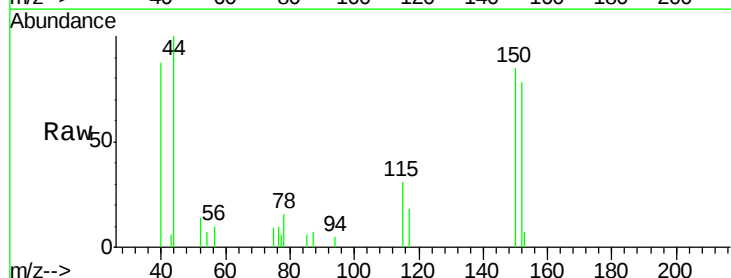
Instrument :
MSVOA_F
ClientSampleId :
200051RE

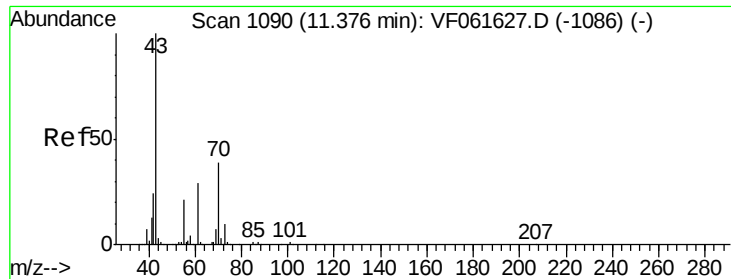
Tot Ion:117 Resp: 5060
Ion Ratio Lower Upper
117 100
82 60.6 39.3 58.9#
119 32.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061818.D
Acq: 1 Mar 2019 22:40

Tgt Ion:152 Resp: 1964
Ion Ratio Lower Upper
152 100
115 39.3 24.3 72.8
150 108.8 0.0 312.0





#74

N-amvl acetate

Concen: 5.333 ug/l

RT: 11.38 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampled :

200051RE

Tot Ion: 43 Resp: 179

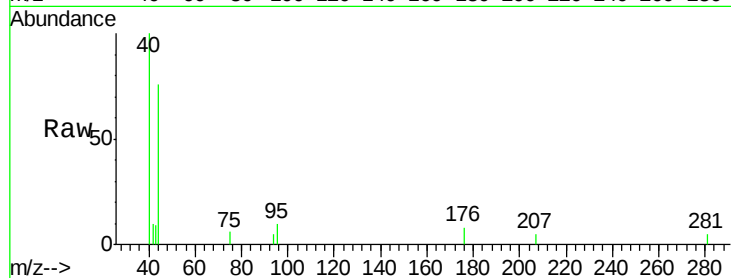
Ion Ratio Lower Upper

43 100

70 0.0 31.5 47.3#

55 0.0 16.7 25.1#

61 0.0 23.0 34.6#



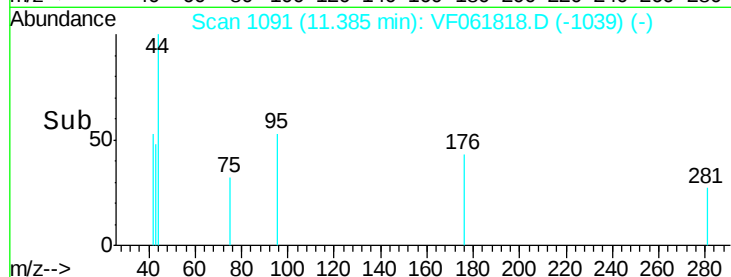
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

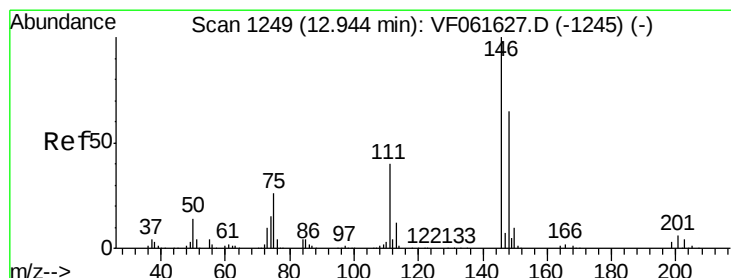
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Time-->



Time-->



#91

1,2-Dichlorobenzene

Concen: 1.280 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. 0.05 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

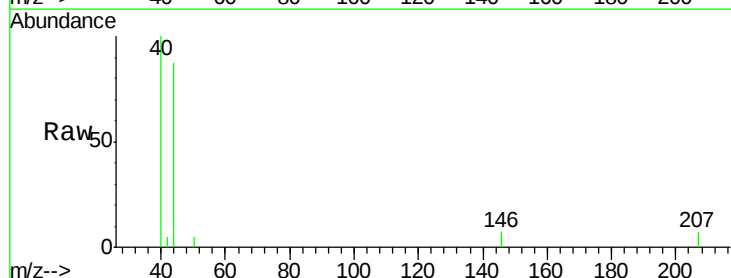
Tgt Ion: 146 Resp: 82

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

148 0.0 32.3 96.9#

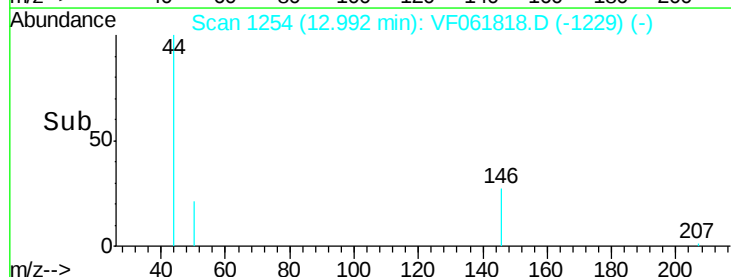


Abundance Ion 146.00 (145.70 to 146.70): V

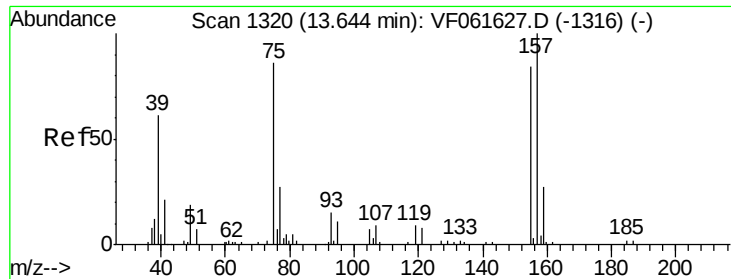
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.127 ug/l

RT: 13.67 min Scan# 1323

Delta R.T. 0.03 min

Lab File: VF061818.D

Acq: 1 Mar 2019 22:40

Instrument :

MSVOA_F

ClientSampleId :

200051RE

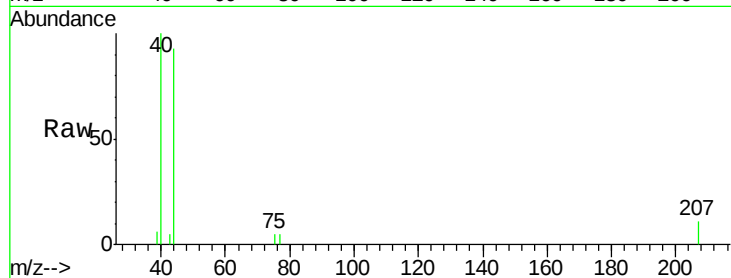
Tot Ion: 75 Resp: 72

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.8#

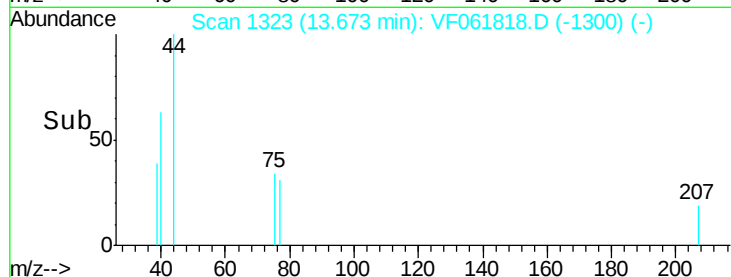
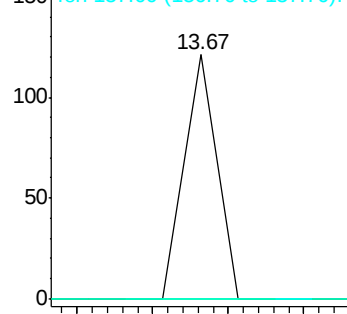
157 0.0 58.3 174.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



Time--> 13.64 13.66 13.68 13.70