

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061780.D
 Acq On : 27 Feb 2019 21:50
 Operator : VA/AP
 Sample : K1340-01
 Misc : 7.83g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BU-03-022719

Quant Time: Feb 28 01:02:03 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	4.87	168	5758	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	6797	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	3132	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	1193	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	678	16.06	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	32.12%	
35) Dibromofluoromethane	4.11	113	1480	29.32	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	58.64%	
50) Toluene-d8	7.55	98	5078	35.00	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	70.00%	
62) 4-Bromofluorobenzene	11.42	95	1170	19.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.81	85	69	1.043	ug/l #	43
3) Chloromethane	1.14	50	80	1.153	ug/l #	42
4) Vinyl Chloride	1.13	62	221	3.427	ug/l #	40
5) Bromomethane	1.35	94	842	18.969	ug/l #	3
6) Chloroethane	1.43	64	93	2.926	ug/l #	40
8) Diethyl Ether	1.51	74	182	9.284	ug/l	76
11) Tert butyl alcohol	2.48	59	98	40.104	ug/l #	1
12) 1,1-Dichloroethene	1.76	96	331	6.708	ug/l #	1
13) Acrolein	1.99	56	455	148.147	ug/l	100
14) Allyl chloride	2.11	41	822	13.577	ug/l #	57
15) Acrylonitrile	2.94	53	69	7.961	ug/l #	62
16) Acetone	2.16	43	611	67.444	ug/l	90
18) Methyl Acetate	2.37	43	1374	67.324	ug/l #	59
21) trans-1,2-Dichloroethene	2.27	96	134	2.498	ug/l #	1
22) Diisopropyl ether	2.81	45	227	1.562	ug/l #	1
23) Vinyl Acetate	3.20	43	815	11.481	ug/l #	74
25) 2-Butanone	4.34	43	390	19.708	ug/l #	55
26) 2,2-Dichloropropane	3.58	77	76	2.040	ug/l #	52
29) Tetrahydrofuran	4.07	42	223	24.794	ug/l #	33
31) Cyclohexane	3.56	56	331	3.476	ug/l #	16
36) 1,1-Dichloropropene	4.31	75	142	2.109	ug/l #	37
37) Ethyl Acetate	4.12	43	304	9.720	ug/l #	30
41) Methacrylonitrile	4.73	41	273	17.069	ug/l #	25
43) Isopropyl Acetate	6.96	43	193	5.214	ug/l #	43
45) 1,2-Dichloropropane	6.36	63	65	1.527	ug/l #	44
48) Methyl methacrylate	6.66	41	140	6.284	ug/l #	17
51) 4-Methyl-2-Pentanone	8.25	43	137	5.179	ug/l #	34
53) t-1,3-Dichloropropene	8.42	75	62	1.298	ug/l #	42
54) cis-1,3-Dichloropropene	7.28	75	81	1.273	ug/l #	45
55) 1,1,2-Trichloroethane	8.41	97	75	2.390	ug/l #	16
59) 2-Hexanone	9.50	43	60	3.236	ug/l #	23
74) N-amyl acetate	11.41	43	70	3.433	ug/l #	44

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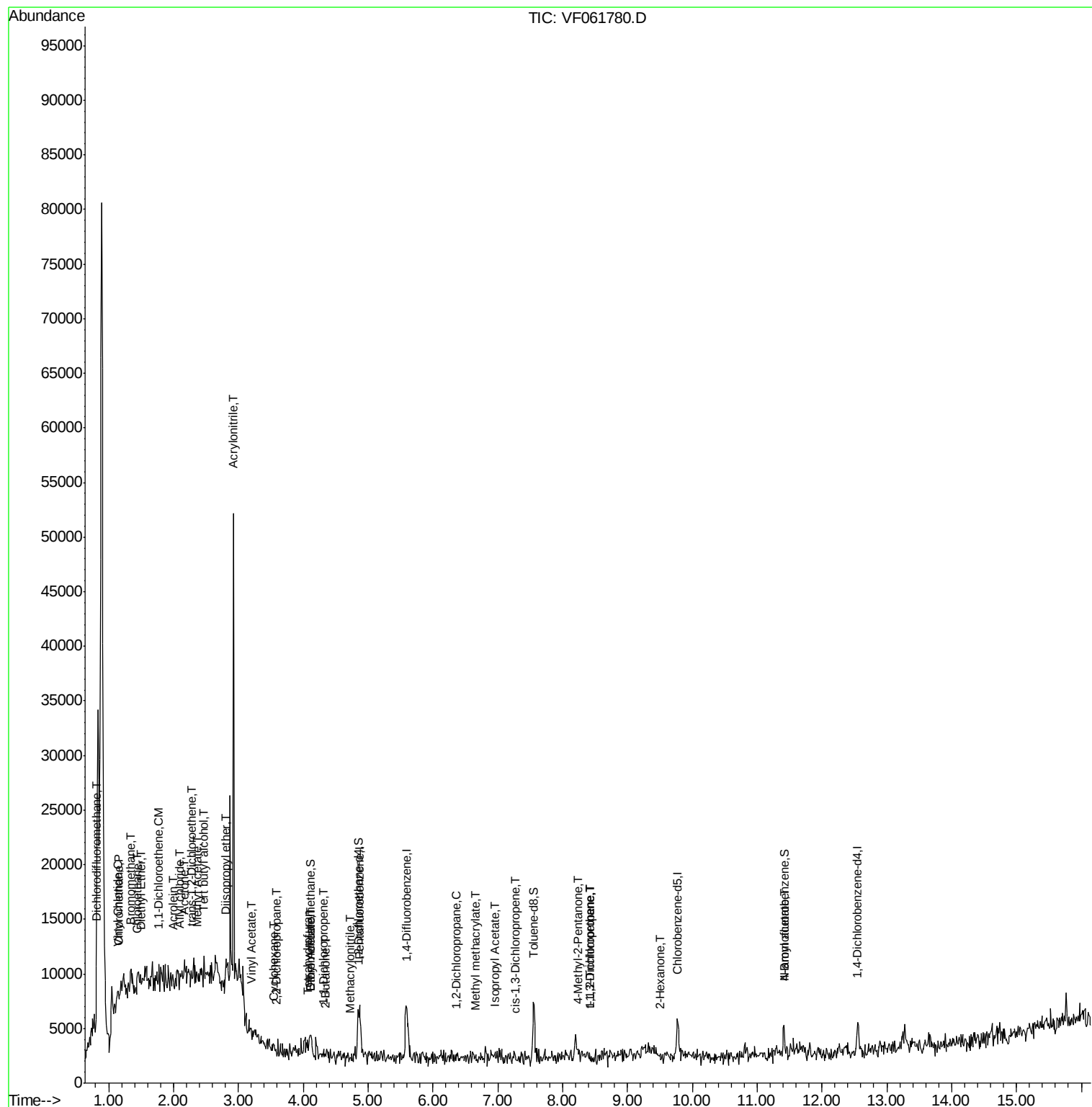
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

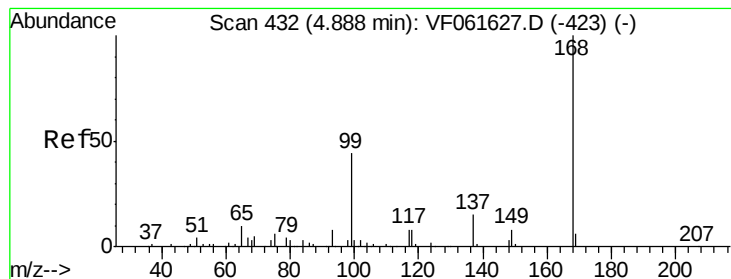
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

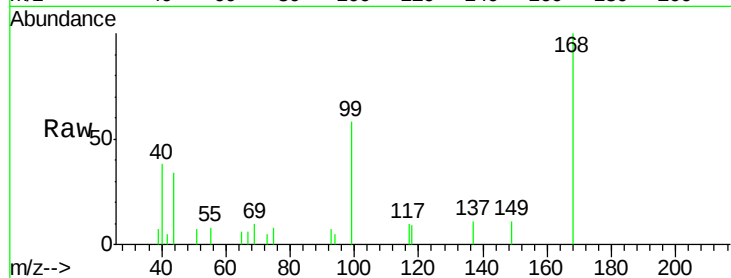
BU-03-022719

Tot Ion:168 Resp: 5758

Ion Ratio Lower Upper

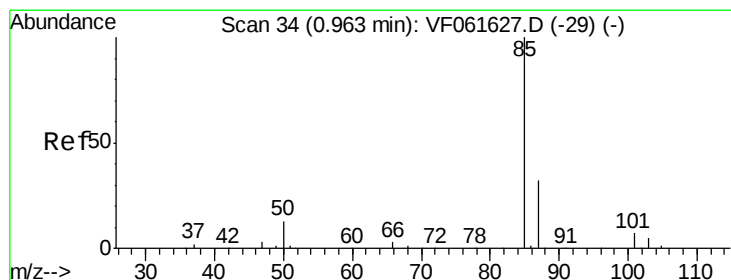
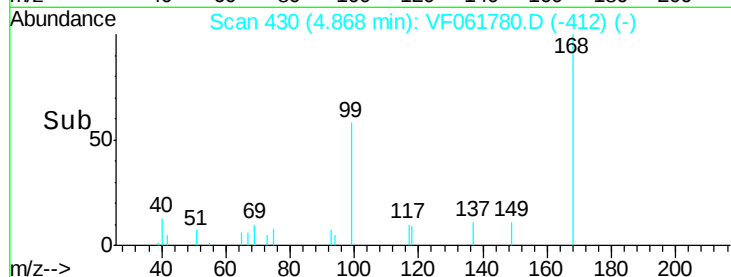
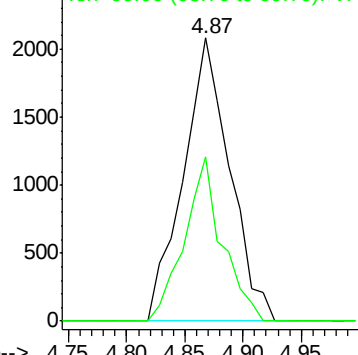
168 100

99 58.3 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: 1.043 ug/l

RT: 0.81 min Scan# 18

Delta R.T. -0.16 min

Lab File: VF061780.D

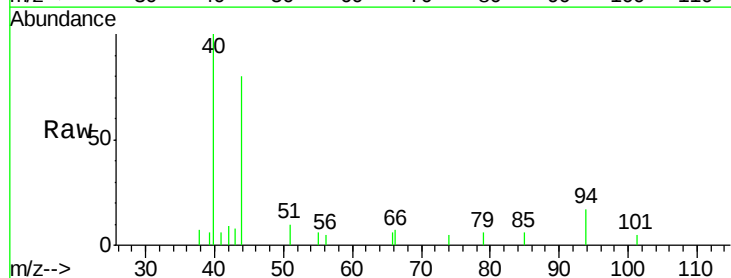
Acq: 27 Feb 2019 21:50

Tgt Ion: 85 Resp: 69

Ion Ratio Lower Upper

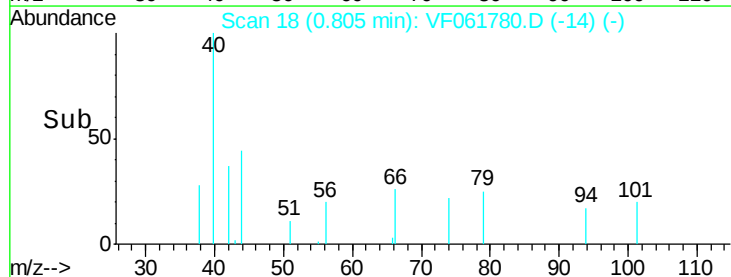
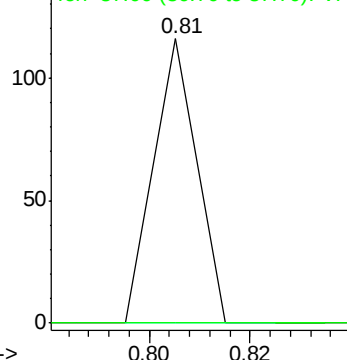
85 100

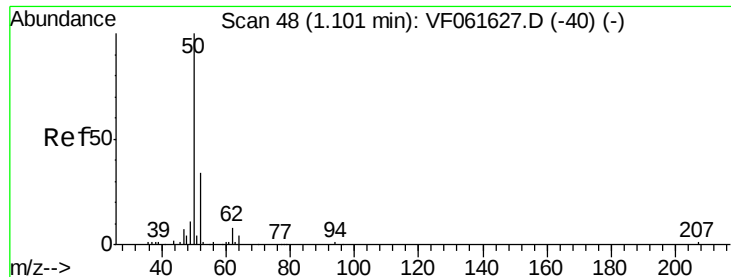
87 0.0 16.1 48.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 1.153 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.04 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

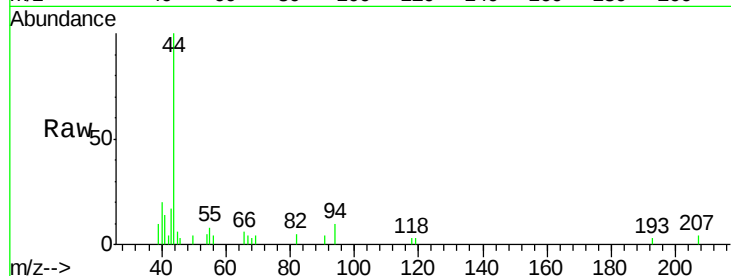
BU-03-022719

Tot Ion: 50 Resp: 80

Ion Ratio Lower Upper

50 100

52 0.0 26.2 39.4#



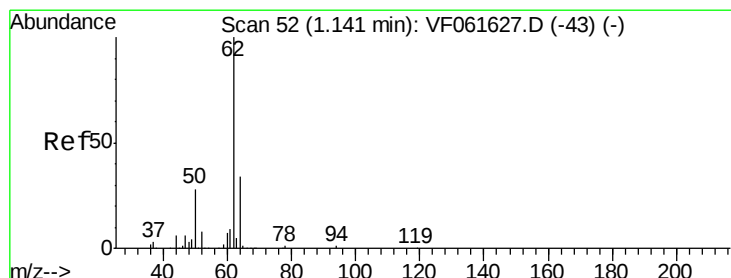
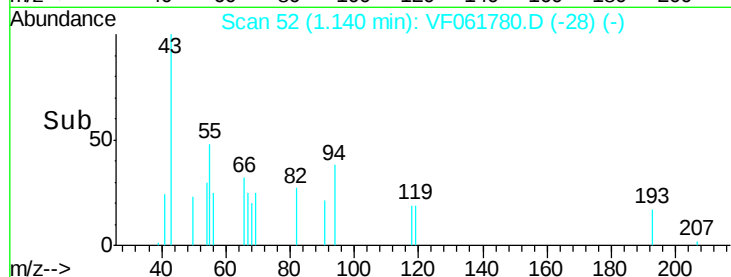
Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.14

1.12 1.14 1.16

Time-->



#4

Vinyl Chloride

Concen: 3.427 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061780.D

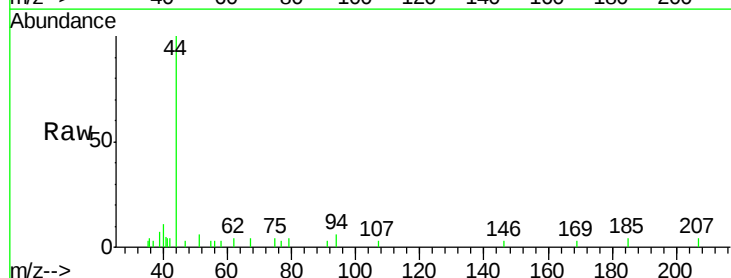
Acq: 27 Feb 2019 21:50

Tgt Ion: 62 Resp: 221

Ion Ratio Lower Upper

62 100

64 0.0 27.5 41.3#



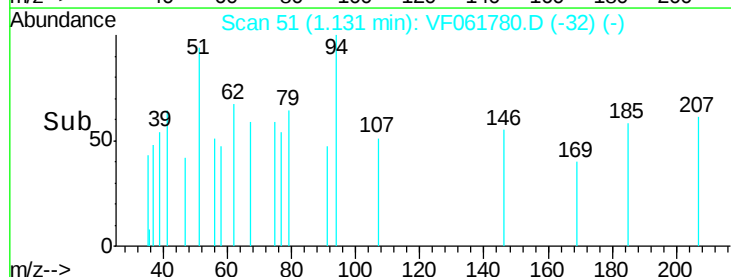
Abundance Ion 62.00 (61.70 to 62.70): VF0

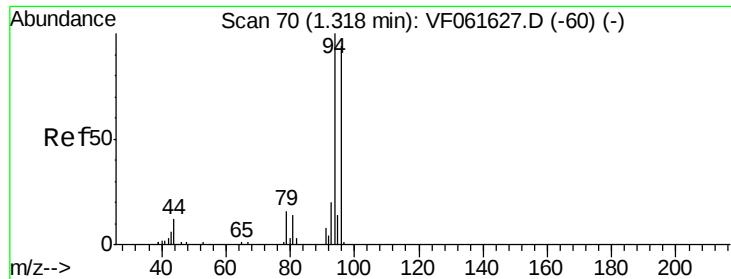
Ion 64.00 (63.70 to 64.70): VF0

1.13

1.10 1.15

Time-->





#5

Bromomethane

Concen: 18.969 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.03 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampled :

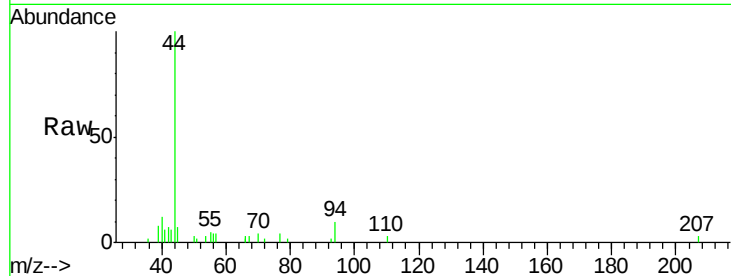
BU-03-022719

Tot Ion: 94 Resp: 842

Ion Ratio Lower Upper

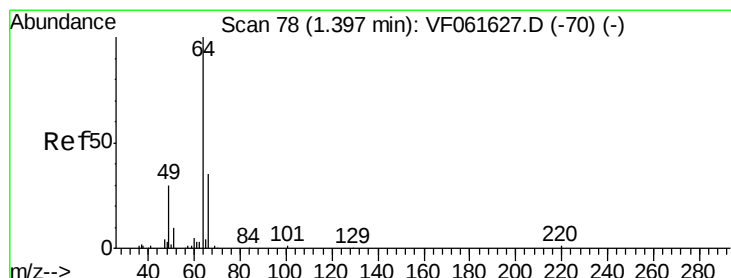
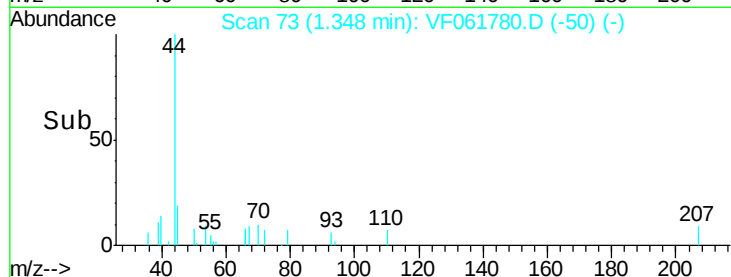
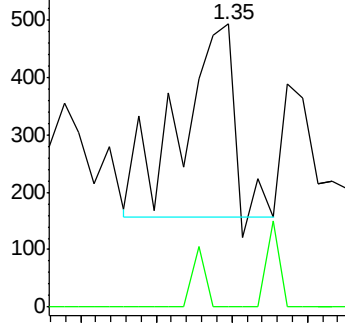
94 100

96 0.0 74.6 112.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 2.926 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.03 min

Lab File: VF061780.D

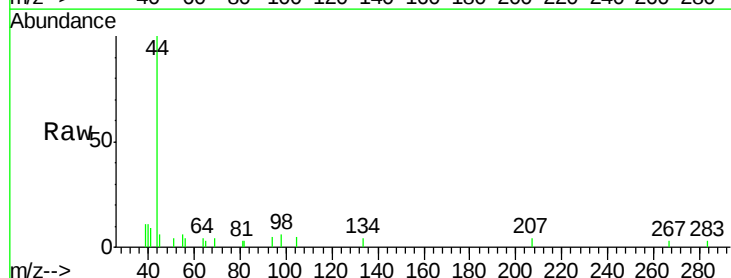
Acq: 27 Feb 2019 21:50

Tgt Ion: 64 Resp: 93

Ion Ratio Lower Upper

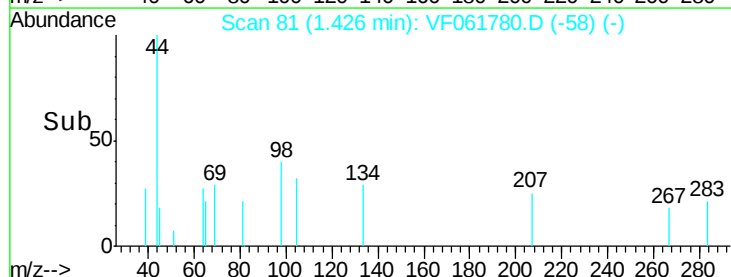
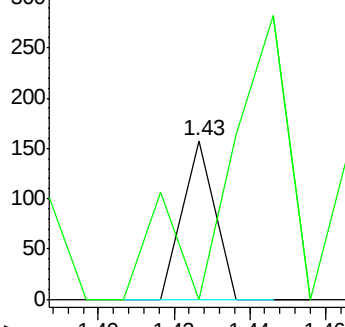
64 100

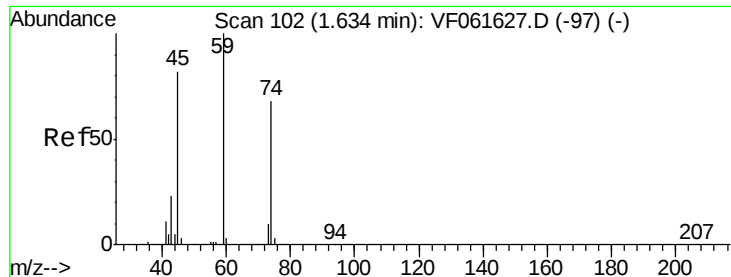
66 0.0 27.9 41.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 9.284 ug/l

RT: 1.51 min Scan# 89

Delta R.T. -0.13 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampled :

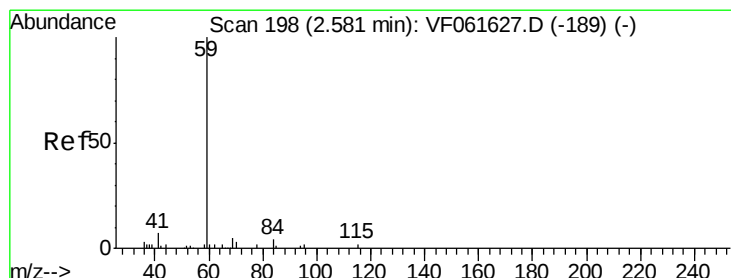
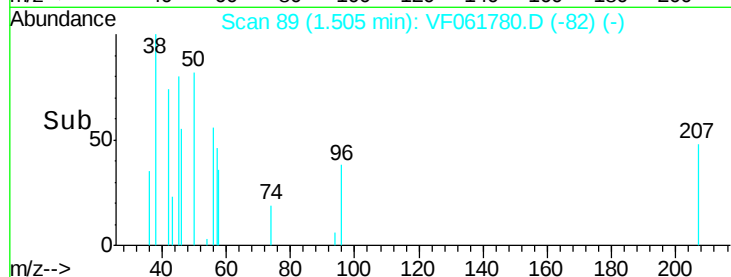
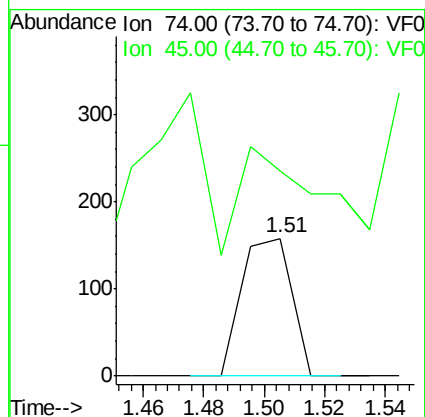
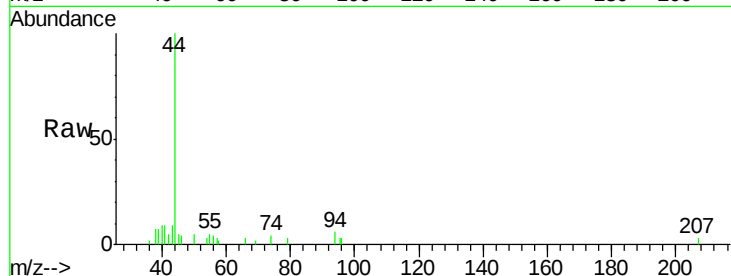
BU-03-022719

Tot Ion: 74 Resp: 182

Ion Ratio Lower Upper

74 100

45 148.7 60.8 182.3



#11

Tert butyl alcohol

Concen: 40.104 ug/l

RT: 2.48 min Scan# 188

Delta R.T. -0.10 min

Lab File: VF061780.D

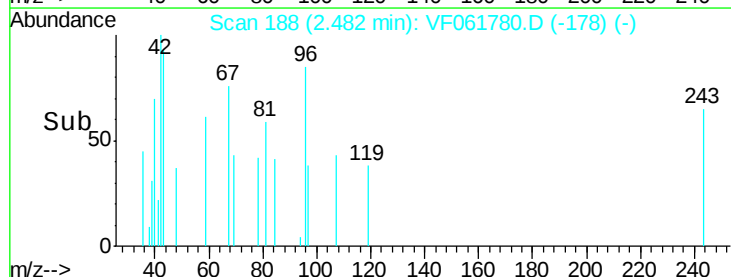
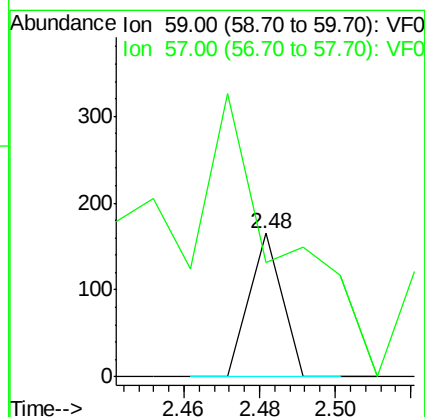
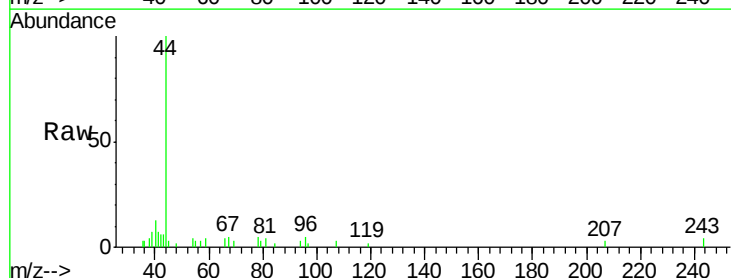
Acq: 27 Feb 2019 21:50

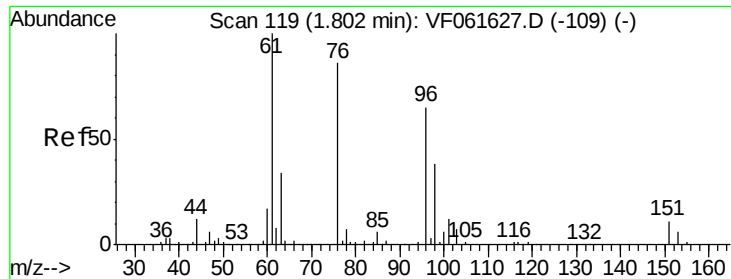
Tgt Ion: 59 Resp: 98

Ion Ratio Lower Upper

59 100

57 79.4 12.5 18.7#





#12

1,1-Dichloroethene

Concen: 6.708 ug/l

RT: 1.76 min Scan# 115

Delta R.T. -0.04 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

BU-03-022719

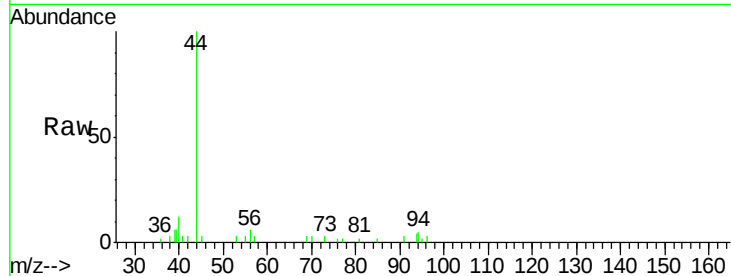
Tot Ion: 96 Resp: 331

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

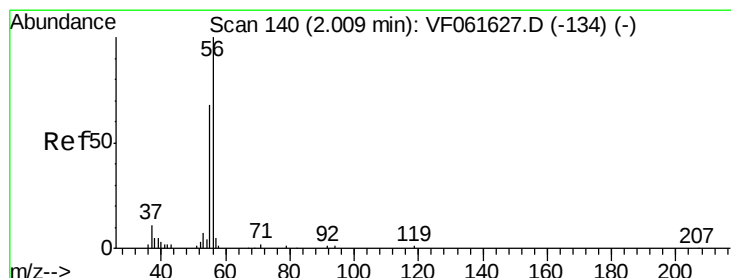
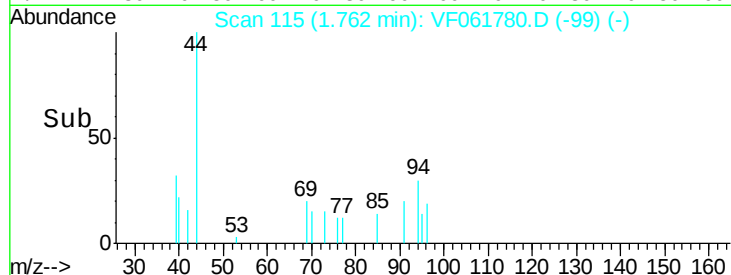
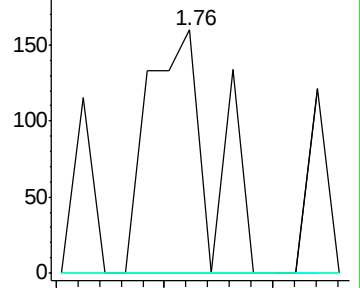
98 0.0 47.2 70.8#



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: 148.147 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061780.D

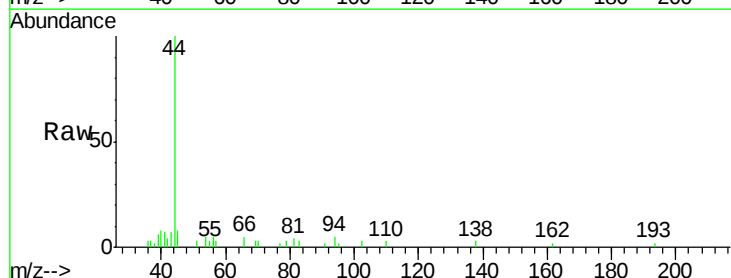
Acq: 27 Feb 2019 21:50

Tgt Ion: 56 Resp: 455

Ion Ratio Lower Upper

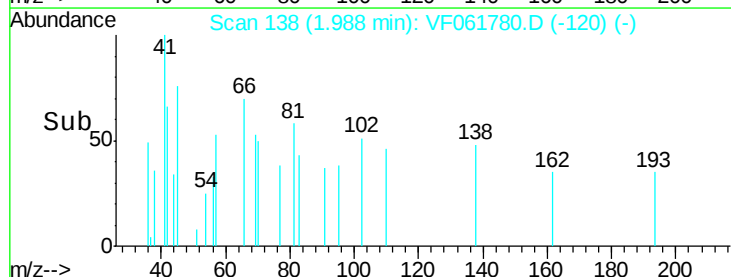
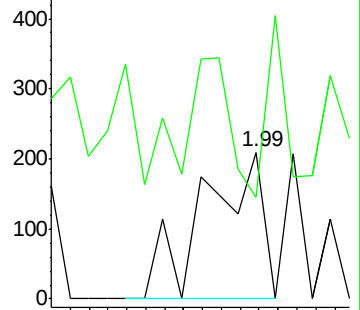
56 100

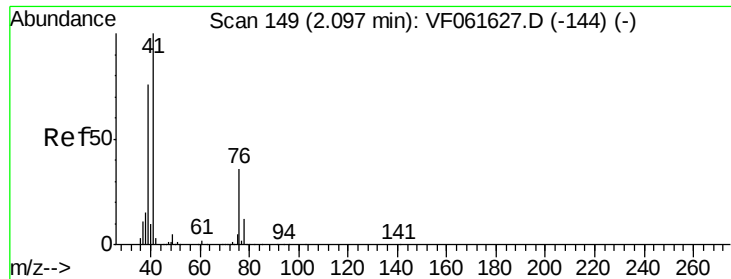
55 69.0 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 13.577 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

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BU-03-022719

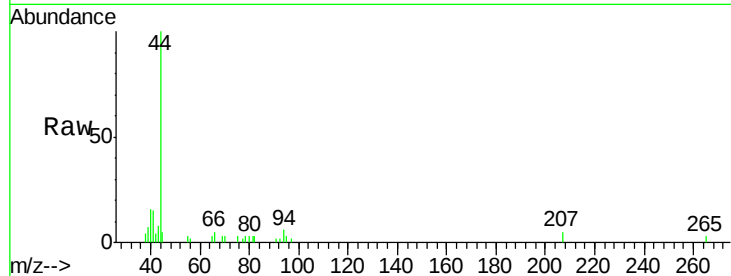
Tot Ion: 41 Resp: 822

Ion Ratio Lower Upper

41 100

39 48.3 61.6 92.4#

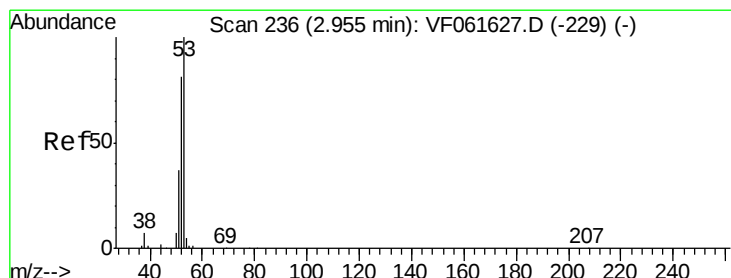
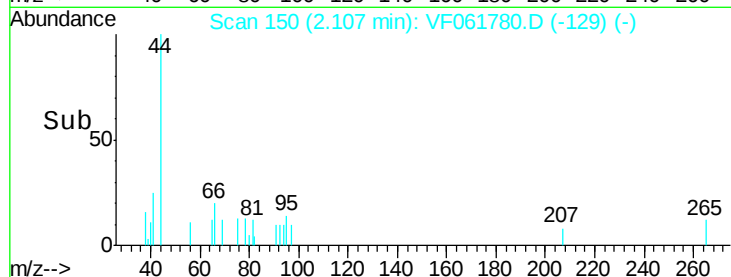
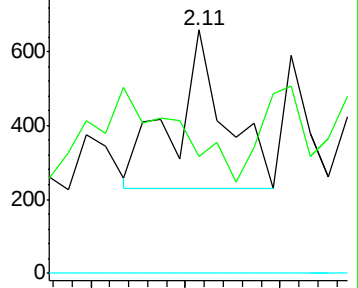
76 0.0 30.3 45.5#



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



#15

Acrylonitrile

Concen: 7.961 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

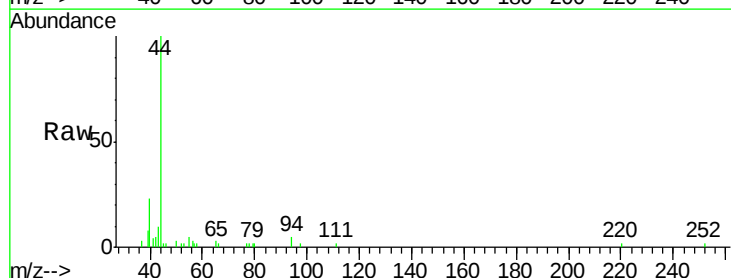
Tgt Ion: 53 Resp: 69

Ion Ratio Lower Upper

53 100

52 92.3 64.6 97.0

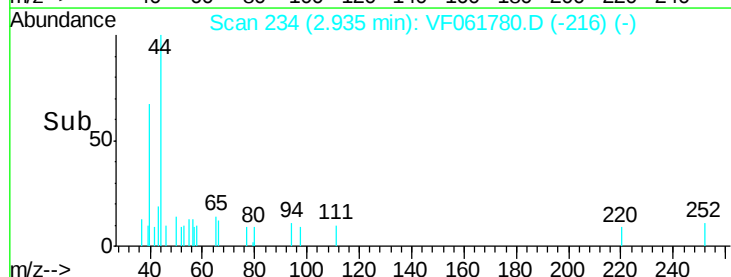
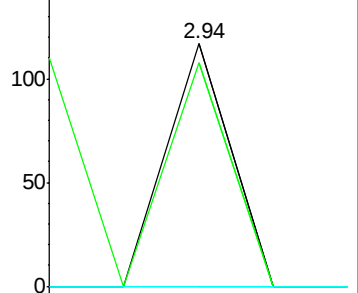
51 92.3 29.8 44.8#

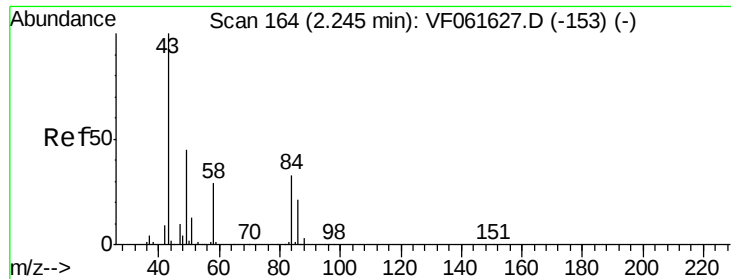


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 67.444 ug/l

RT: 2.16 min Scan# 155

Delta R.T. -0.09 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

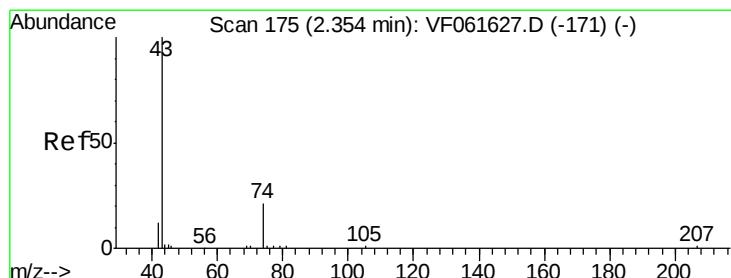
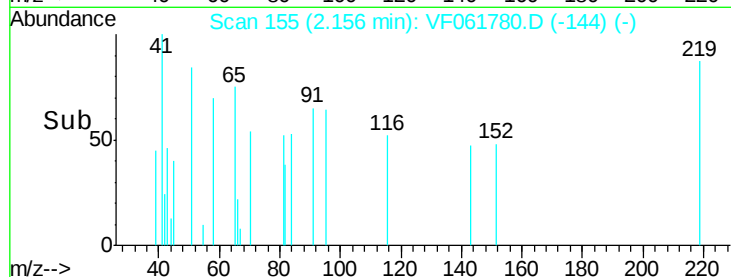
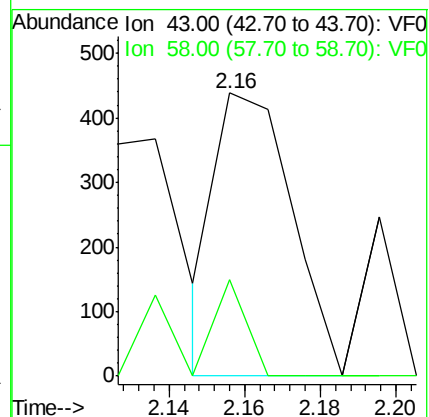
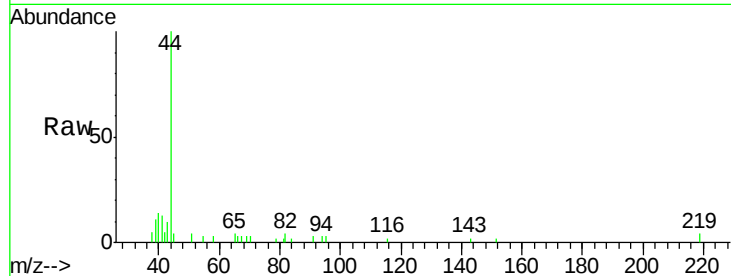
BU-03-022719

Tot Ion: 43 Resp: 611

Ion Ratio Lower Upper

43 100

58 34.0 22.9 34.3



#18

Methyl Acetate

Concen: 67.324 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.02 min

Lab File: VF061780.D

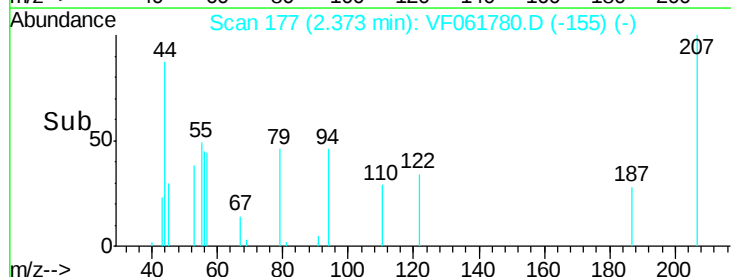
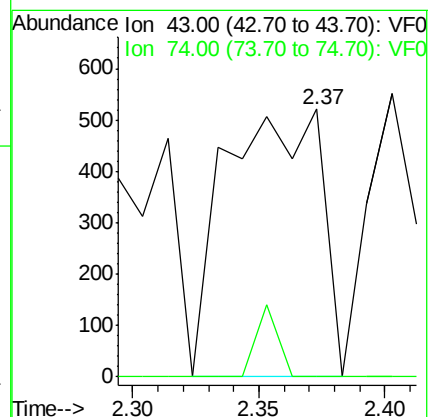
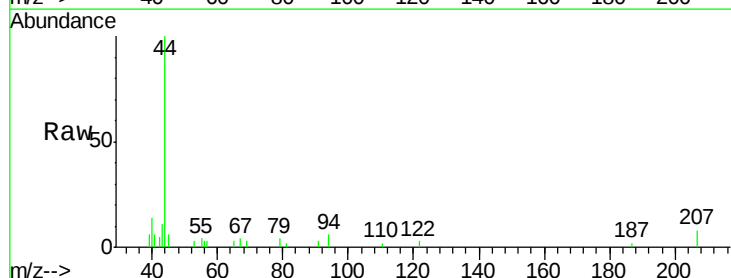
Acq: 27 Feb 2019 21:50

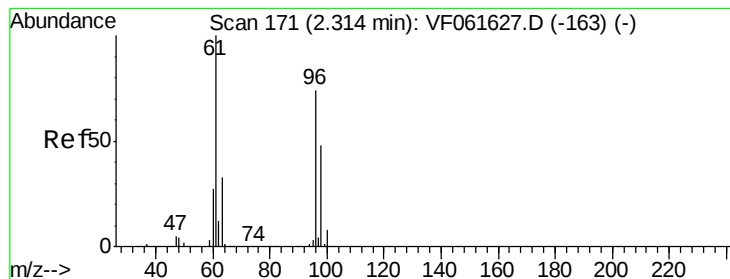
Tgt Ion: 43 Resp: 1374

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#





#21

trans-1,2-Dichloroethene

Concen: 2.498 ug/l

RT: 2.27 min Scan# 167

Delta R.T. -0.04 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

BU-03-022719

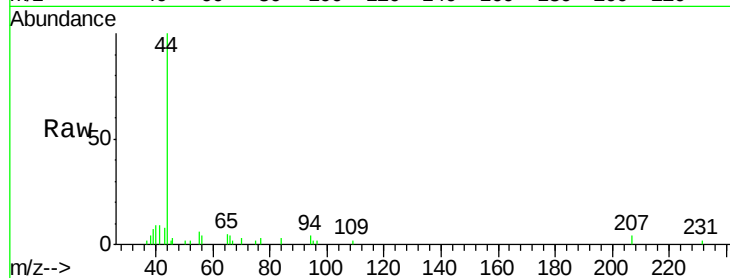
Tot Ion: 96 Resp: 134

Ion Ratio Lower Upper

96 100

61 0.0 108.2 162.4#

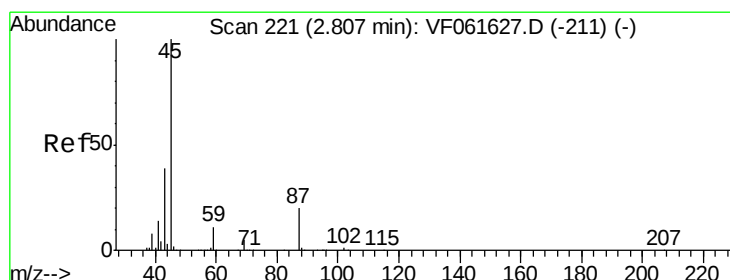
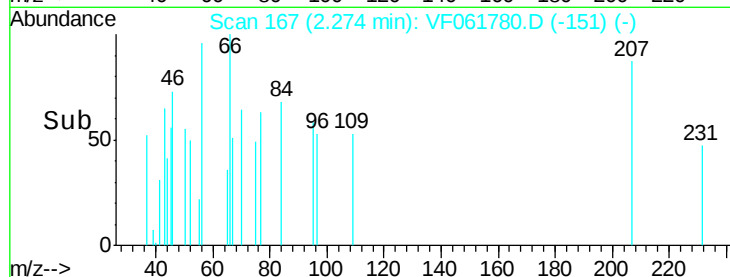
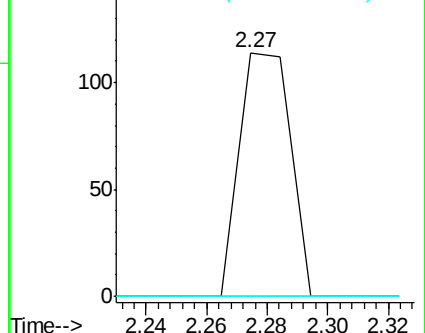
98 0.0 52.2 78.2#



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



#22

Diisopropyl ether

Concen: 1.562 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Tgt Ion: 45 Resp: 227

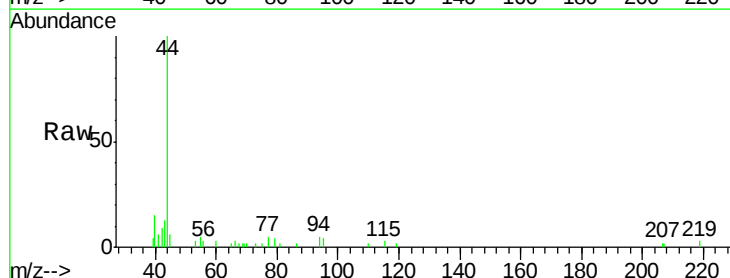
Ion Ratio Lower Upper

45 100

43 202.8 31.4 47.2#

87 0.0 16.3 24.5#

59 0.0 8.7 13.1#

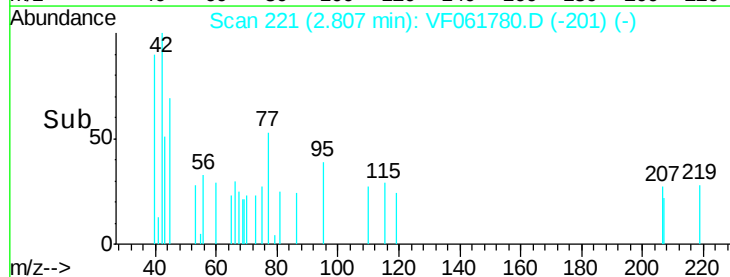
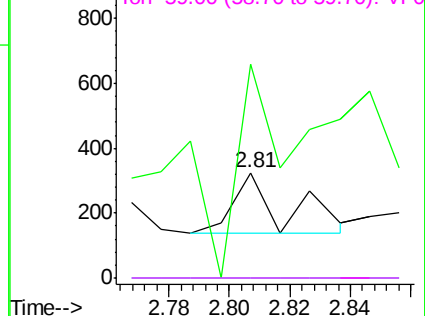


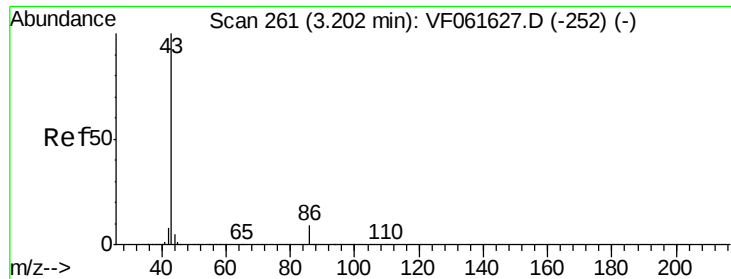
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 11.481 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.00 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

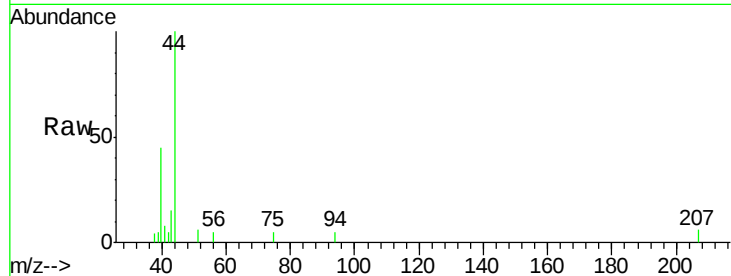
BU-03-022719

Tot Ion: 43 Resp: 815

Ion Ratio Lower Upper

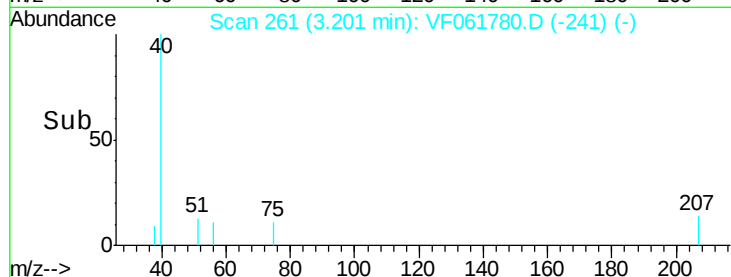
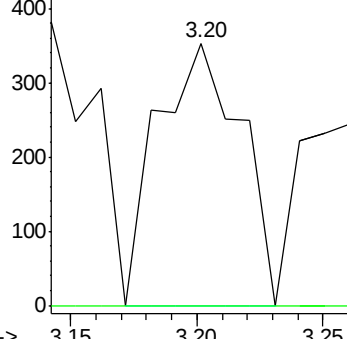
43 100

86 0.0 7.5 11.3#

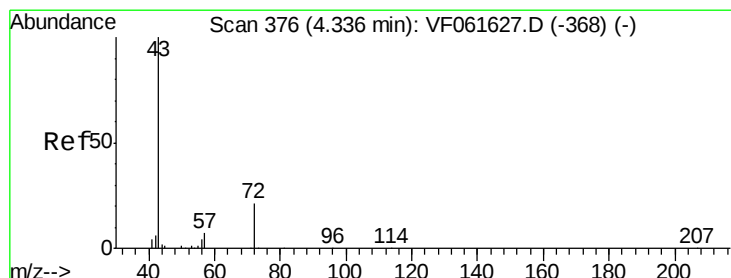


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#25

2-Butanone

Concen: 19.708 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061780.D

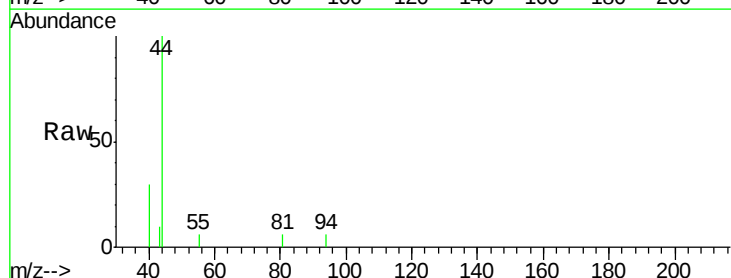
Acq: 27 Feb 2019 21:50

Tgt Ion: 43 Resp: 390

Ion Ratio Lower Upper

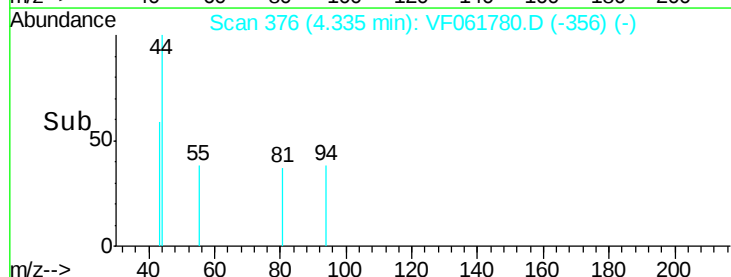
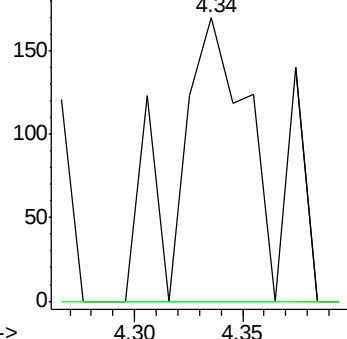
43 100

72 0.0 17.1 25.7#

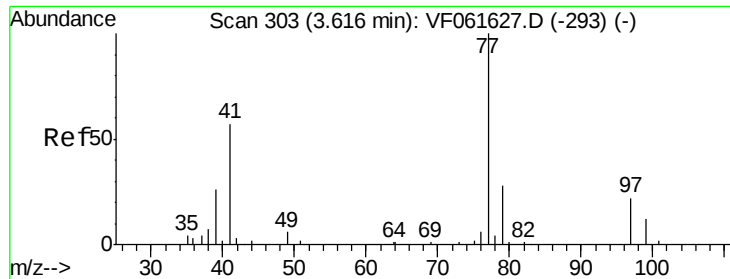


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time-->



#26

2,2-Dichloropropane

Concen: 2.040 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.04 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampled :

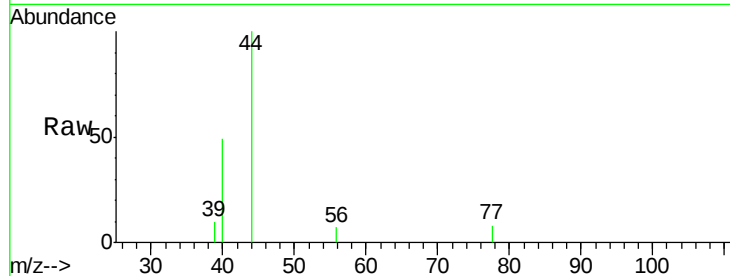
BU-03-022719

Tot Ion: 77 Resp: 76

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

3.58

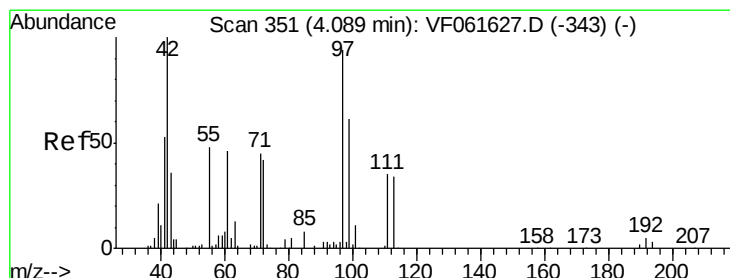
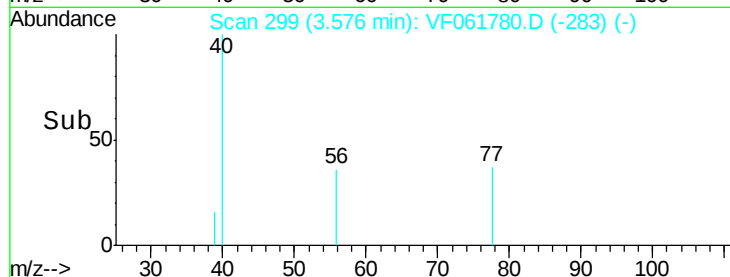
100

50

0

3.54 3.56 3.58 3.60

Time-->



#29

Tetrahydrofuran

Concen: 24.794 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

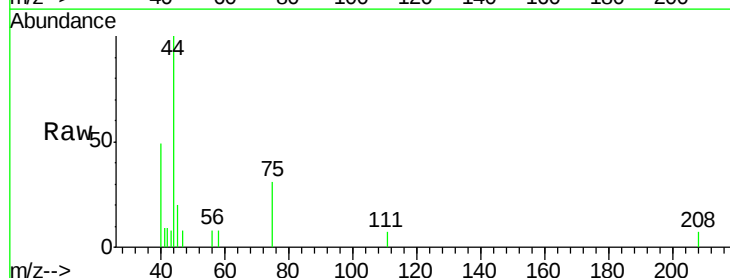
Tgt Ion: 42 Resp: 223

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

150

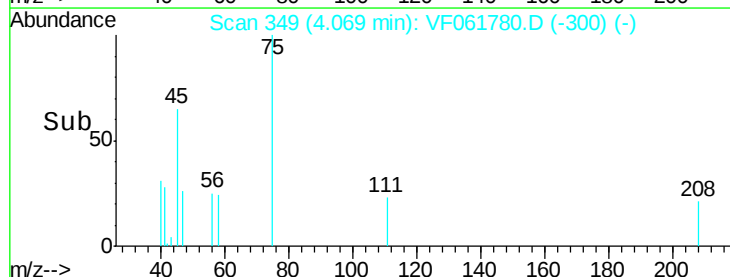
100

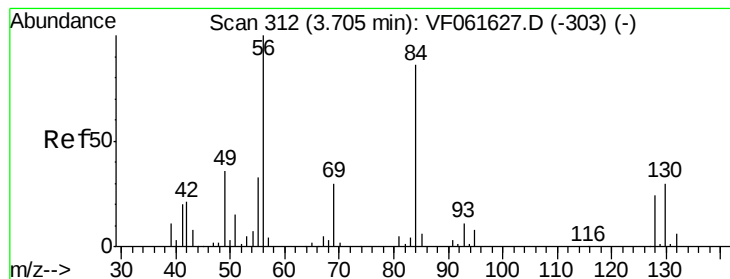
50

0

4.05 4.10

Time-->





#31

Cyclohexane

Concen: 3.476 ug/l

RT: 3.56 min Scan# 297

Delta R.T. -0.15 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

BU-03-022719

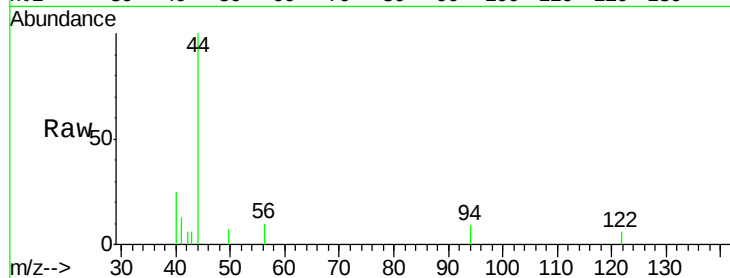
Tot Ion: 56 Resp: 331

Ion Ratio Lower Upper

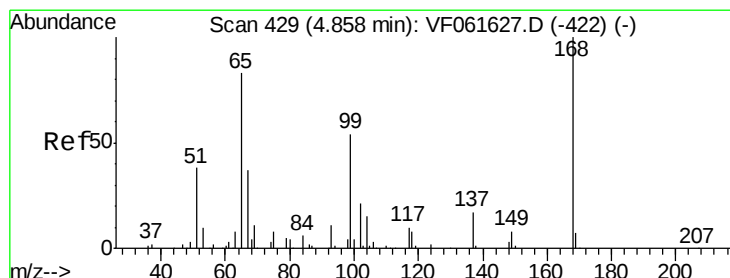
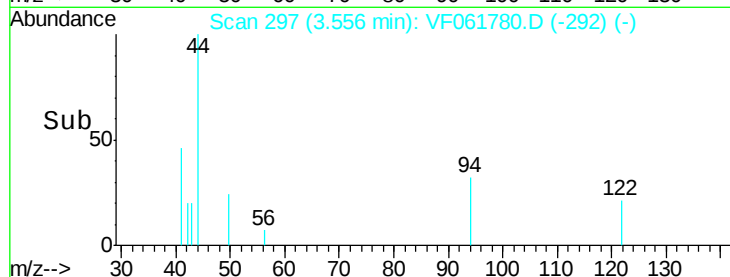
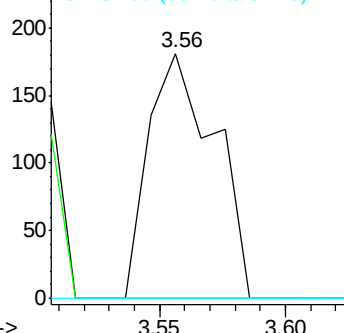
56 100

69 0.0 23.8 35.8#

84 0.0 68.6 103.0#



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: 16.057 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061780.D

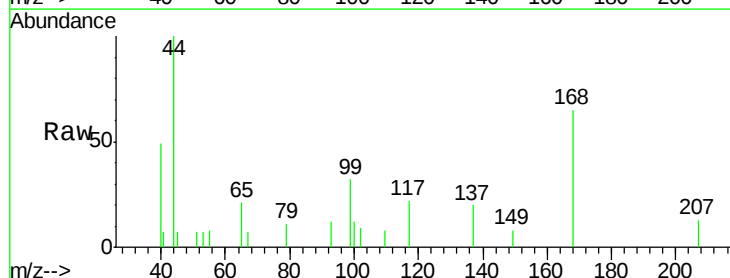
Acq: 27 Feb 2019 21:50

Tgt Ion: 65 Resp: 678

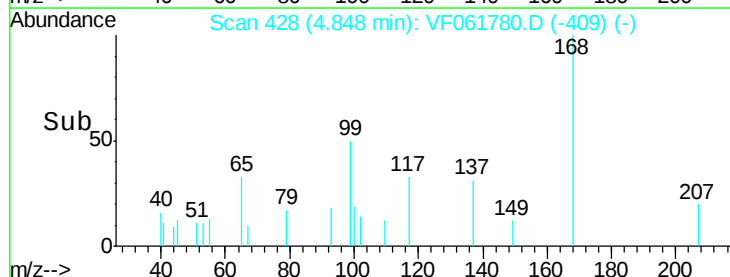
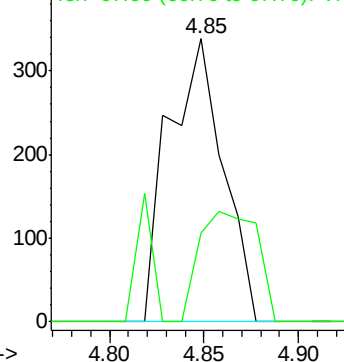
Ion Ratio Lower Upper

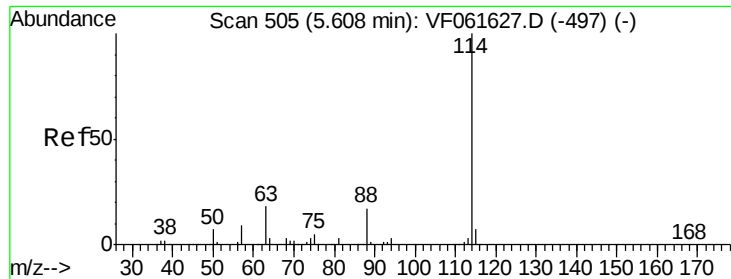
65 100

67 31.7 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

BU-03-022719

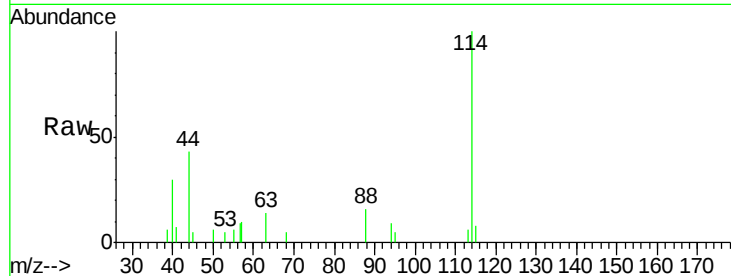
Tot Ion:114 Resp: 6797

Ion Ratio Lower Upper

114 100

63 14.2 0.0 36.6

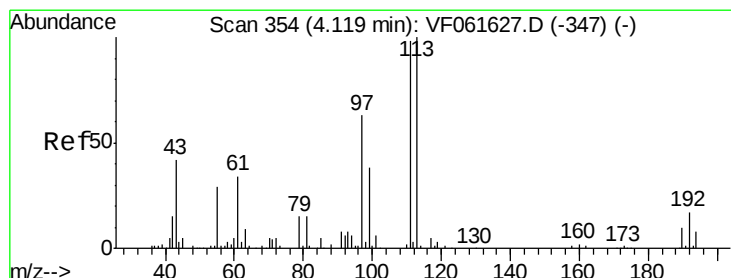
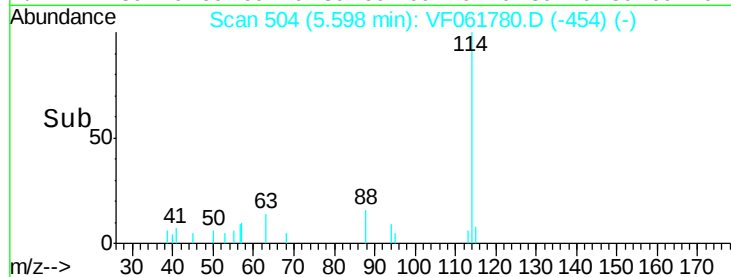
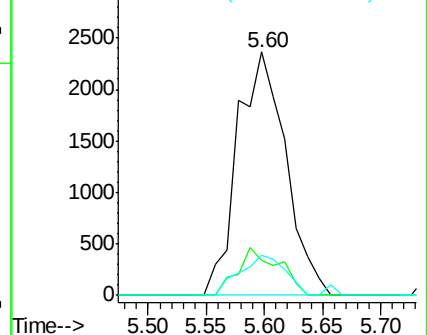
88 16.4 0.0 34.4



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



#35

Dibromofluoromethane

Concen: 29.321 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

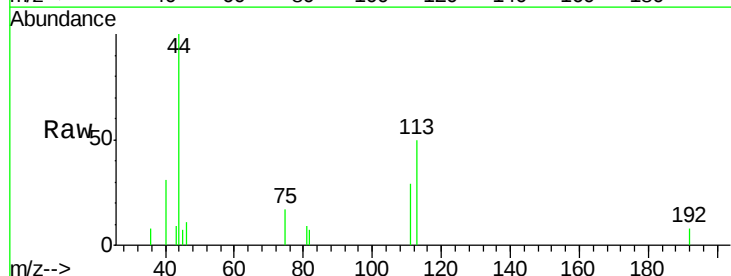
Tgt Ion:113 Resp: 1480

Ion Ratio Lower Upper

113 100

111 58.8 78.8 118.2#

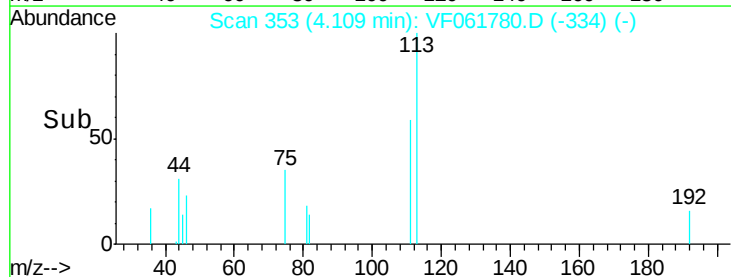
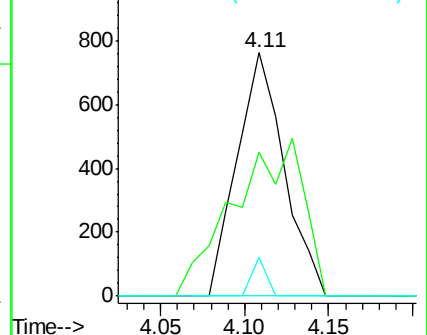
192 15.7 13.4 20.0

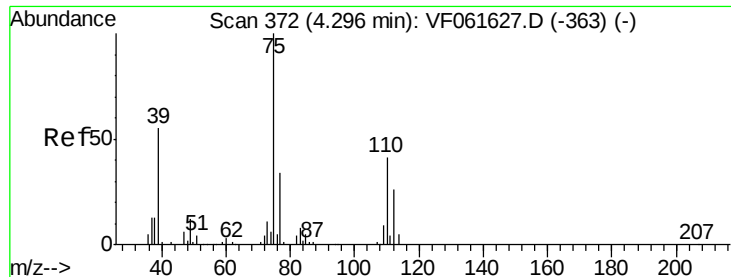


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 2.109 ug/l

RT: 4.31 min Scan# 373

Delta R.T. 0.01 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

BU-03-022719

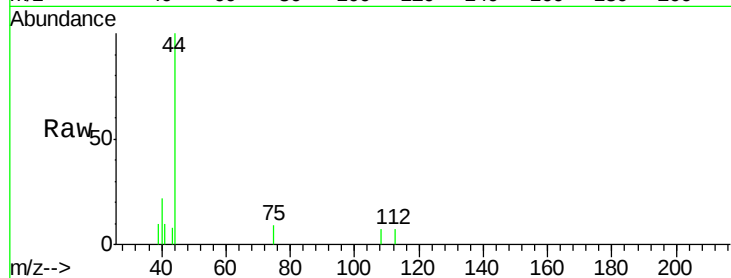
Tot Ion: 75 Resp: 142

Ion Ratio Lower Upper

75 100

110 0.0 20.5 61.6#

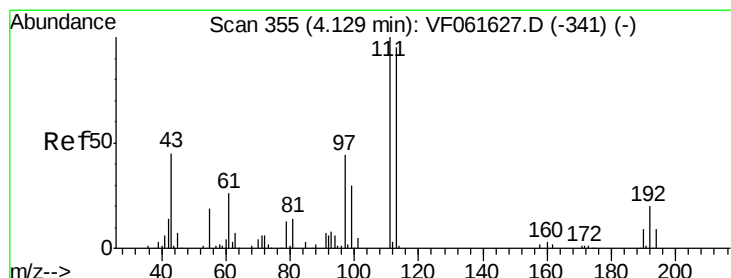
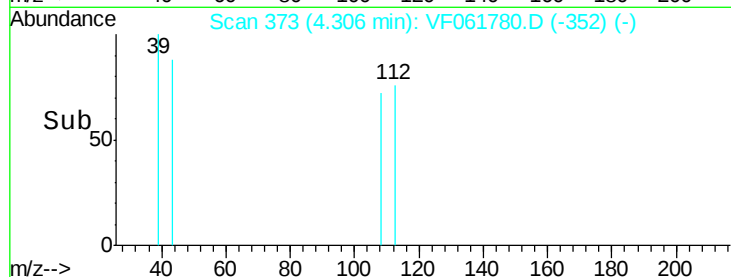
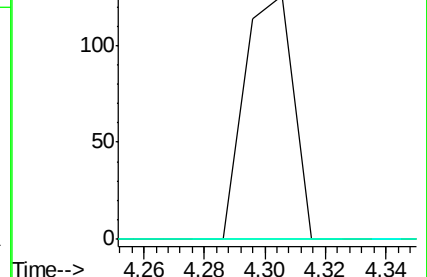
77 0.0 27.0 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 9.720 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

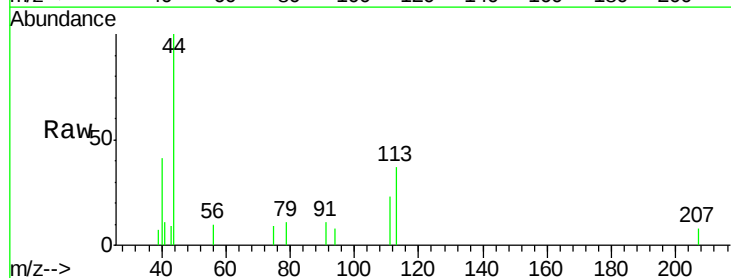
Tgt Ion: 43 Resp: 304

Ion Ratio Lower Upper

43 100

61 0.0 45.7 68.5#

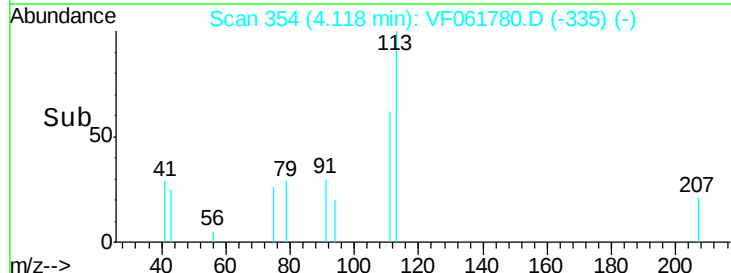
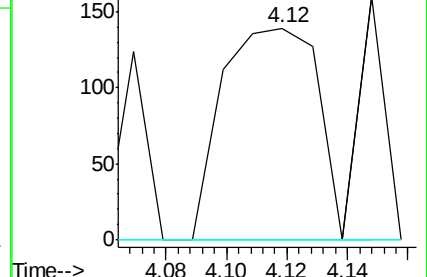
70 0.0 8.5 12.7#

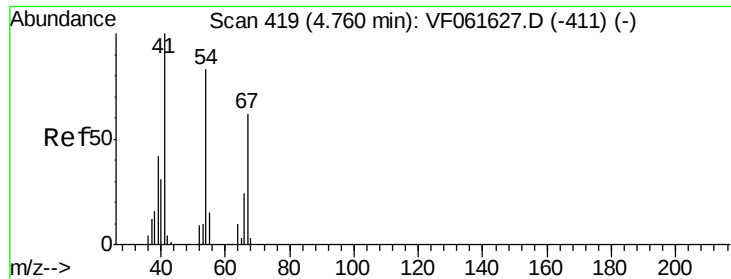


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

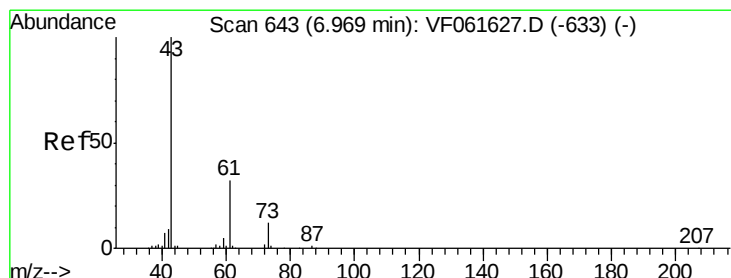
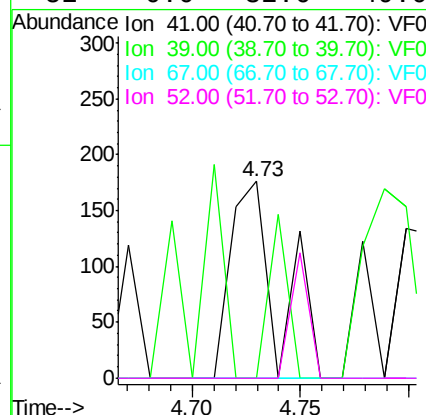
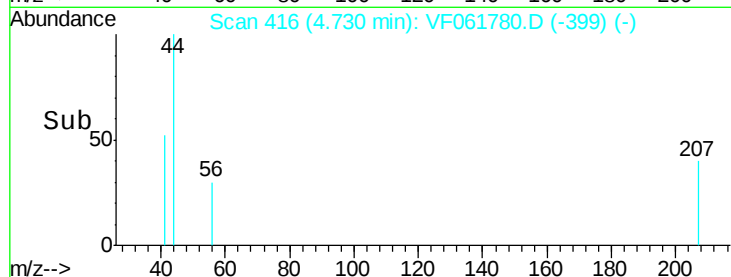
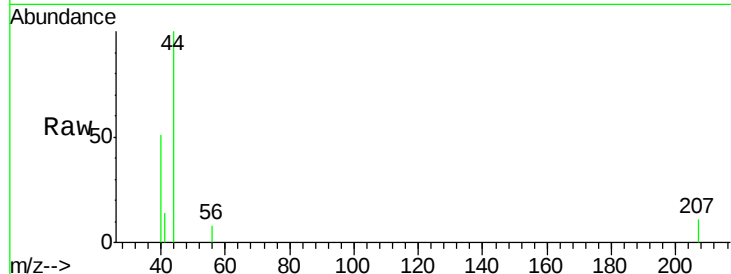




#41
Methacrylonitrile
Concen: 17.069 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.03 min
Lab File: VF061780.D
Acq: 27 Feb 2019 21:50

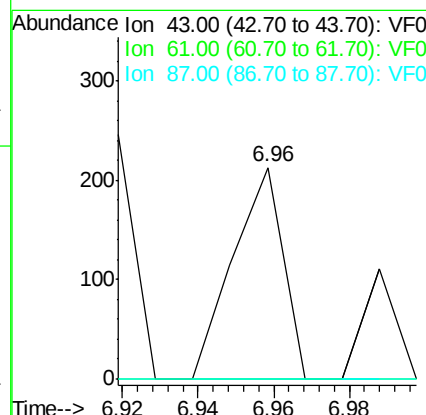
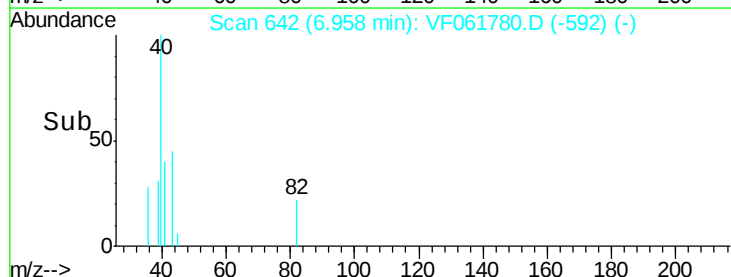
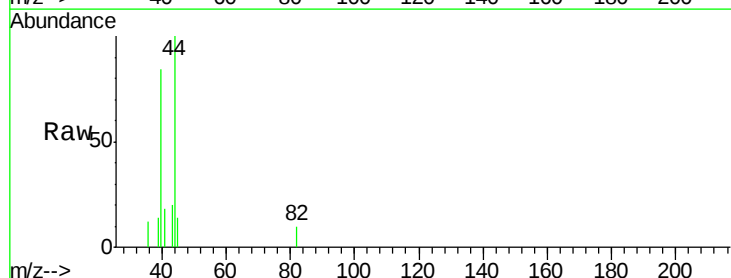
Instrument :
MSVOA_F
ClientSampled :
BU-03-022719

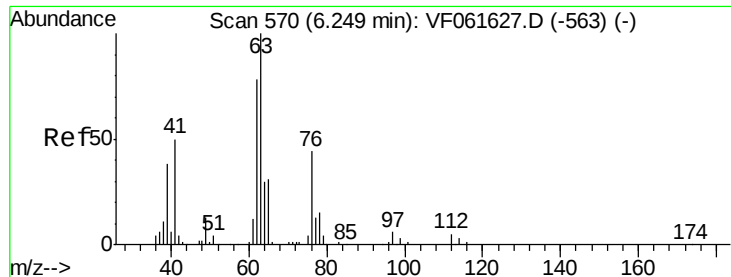
Tot Ion:	41	Resp:	273
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.3	67.9#
67	0.0	49.3	73.9#
52	0.0	32.6	49.0#



#43
Isopropyl Acetate
Concen: 5.214 ug/l
RT: 6.96 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF061780.D
Acq: 27 Feb 2019 21:50

Tgt Ion:	43	Resp:	193
Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.8	38.6#
87	0.0	0.4	0.6#





#45

1,2-Dichloropropane

Concen: 1.527 ug/l

RT: 6.36 min Scan# 581

Delta R.T. 0.11 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

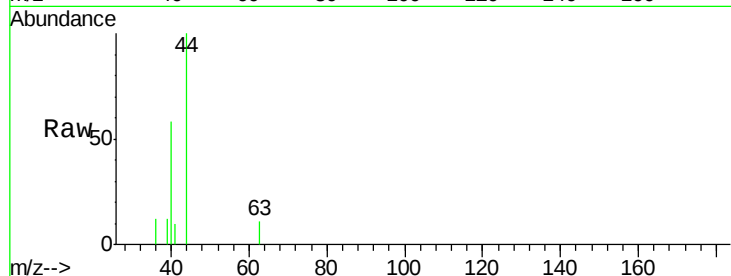
BU-03-022719

Tot Ion: 63 Resp: 65

Ion Ratio Lower Upper

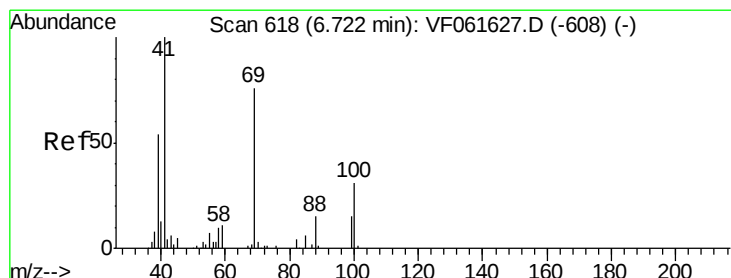
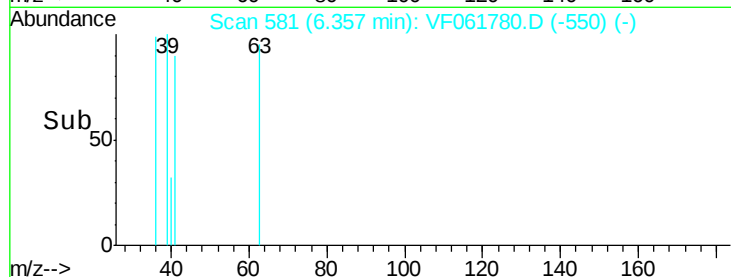
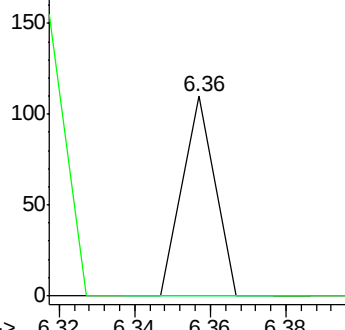
63 100

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



#48

Methyl methacrylate

Concen: 6.284 ug/l

RT: 6.66 min Scan# 612

Delta R.T. -0.06 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

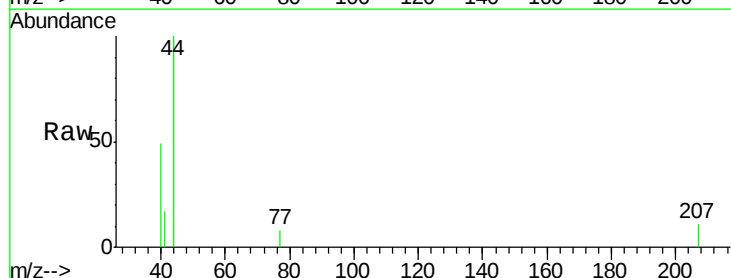
Tgt Ion: 41 Resp: 140

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

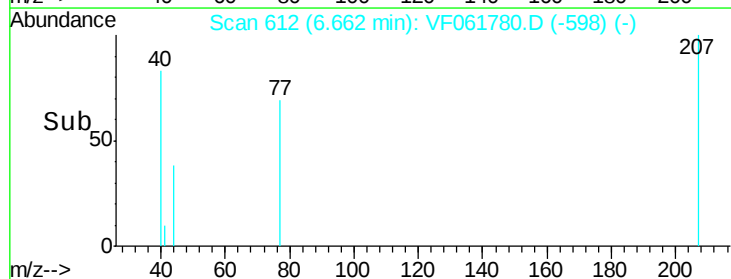
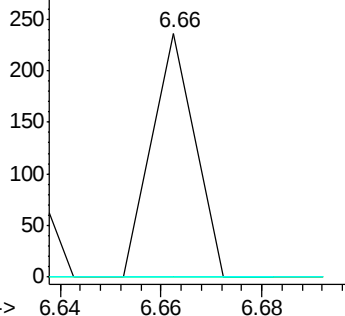
39 0.0 43.7 65.5#

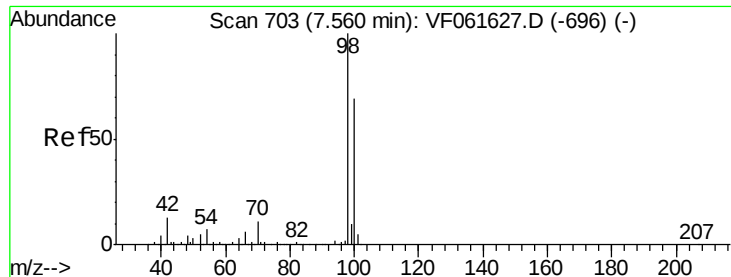


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 34.996 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

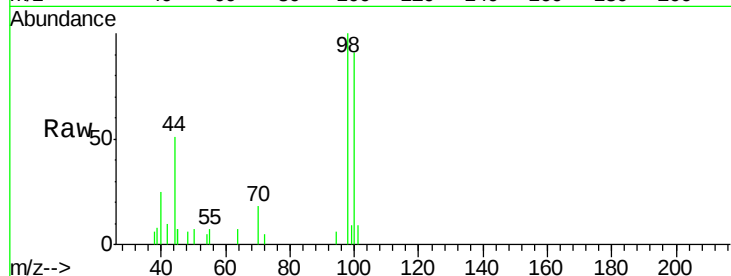
BU-03-022719

Tot Ion: 98 Resp: 5078

Ion Ratio Lower Upper

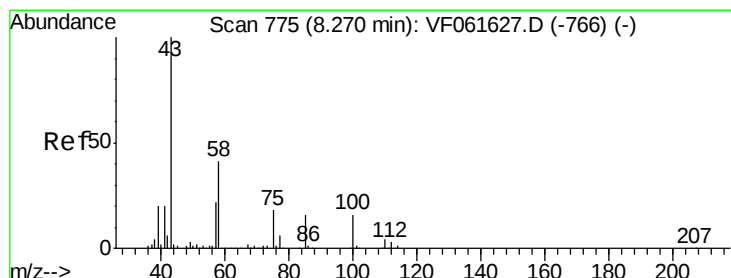
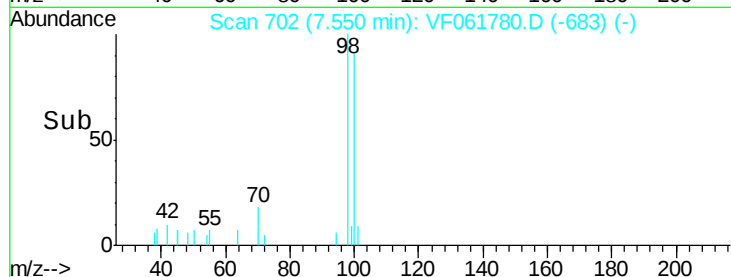
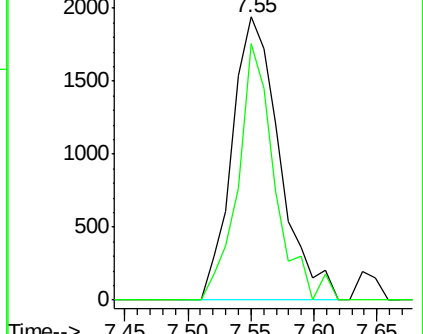
98 100

100 90.6 55.4 83.2#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 5.179 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061780.D

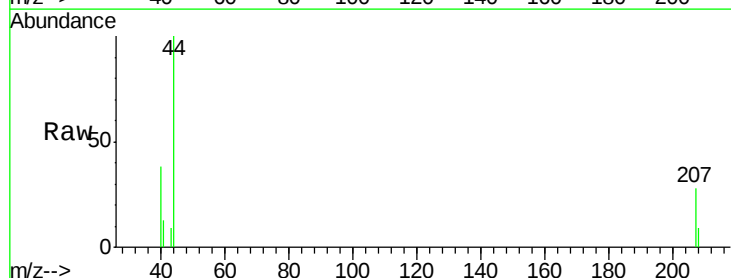
Acq: 27 Feb 2019 21:50

Tgt Ion: 43 Resp: 137

Ion Ratio Lower Upper

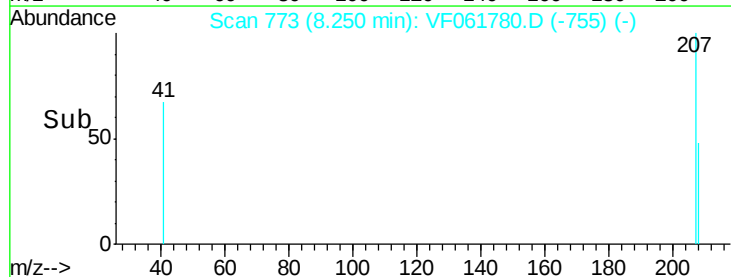
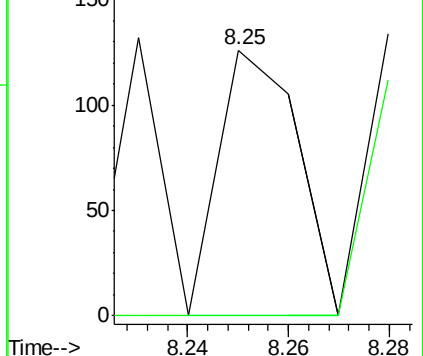
43 100

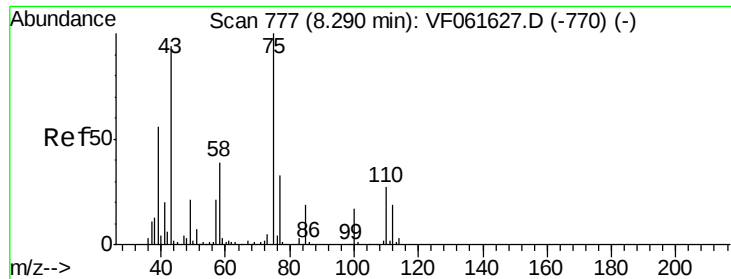
58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

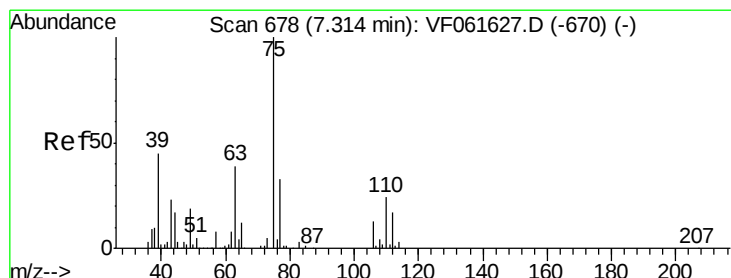
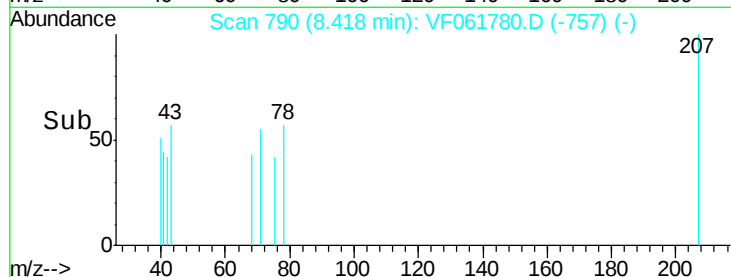
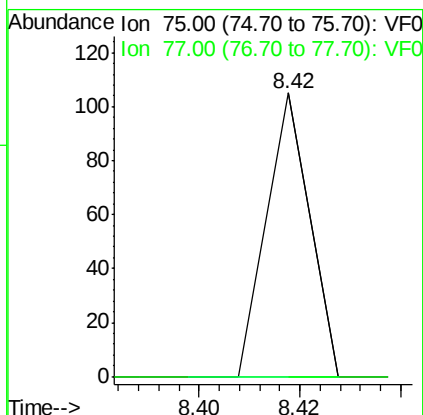
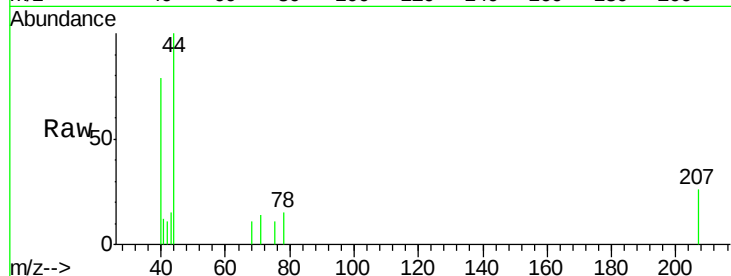




#53
t-1,3-Dichloropropene
Concen: 1.298 ug/l
RT: 8.42 min Scan# 790
Delta R.T. 0.13 min
Lab File: VF061780.D
Acq: 27 Feb 2019 21:50

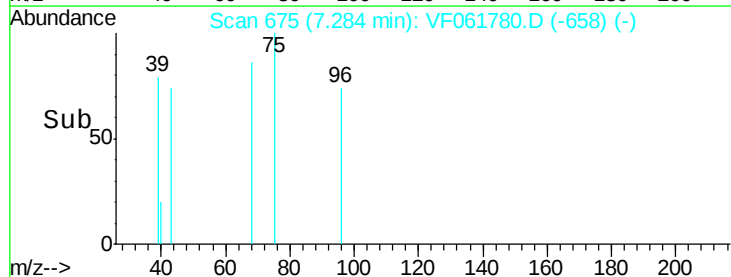
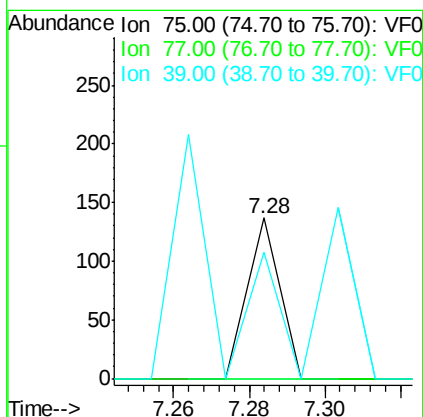
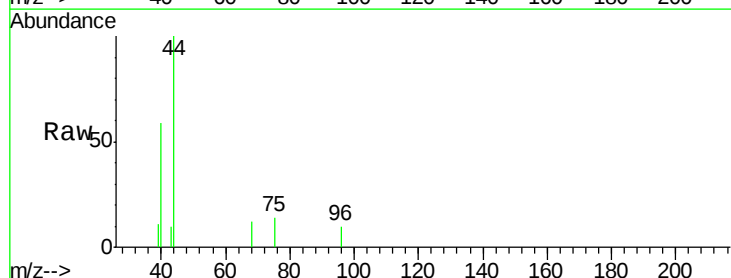
Instrument :
MSVOA_F
ClientSampleId :
BU-03-022719

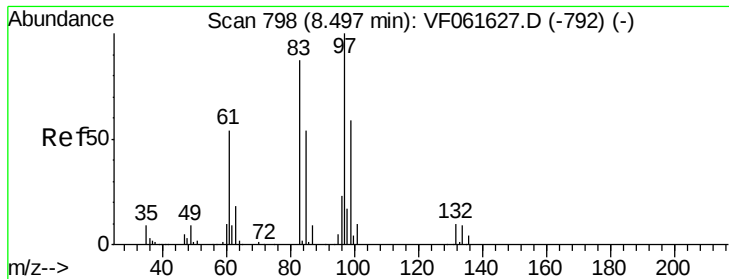
Tot Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.2#



#54
cis-1,3-Dichloropropene
Concen: 1.273 ug/l
RT: 7.28 min Scan# 675
Delta R.T. -0.03 min
Lab File: VF061780.D
Acq: 27 Feb 2019 21:50

Tgt Ion: 75 Resp: 81
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 78.8 36.0 54.0#





#55

1,1,2-Trichloroethane

Concen: 2.390 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.09 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampleId :

BU-03-022719

Tot Ion: 97 Resp: 75

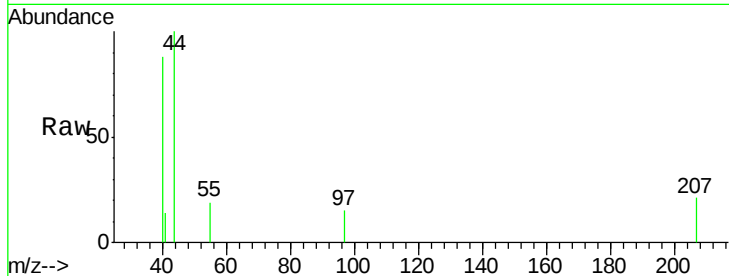
Ion Ratio Lower Upper

97 100

83 0.0 69.2 103.8#

85 0.0 43.0 64.4#

99 0.0 47.2 70.8#

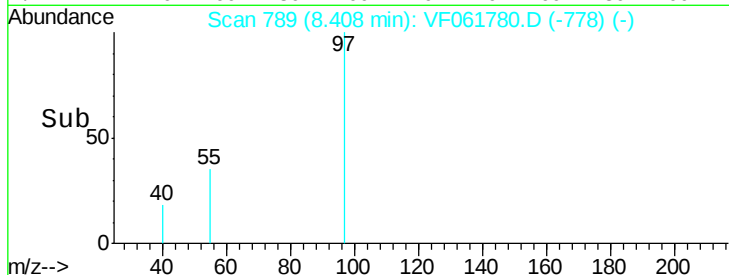
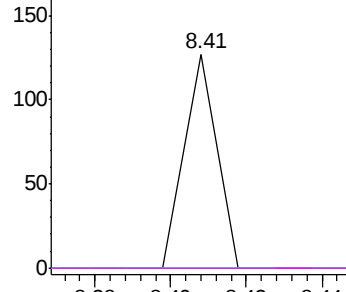


Abundance Ion 97.00 (96.70 to 97.70): VF0

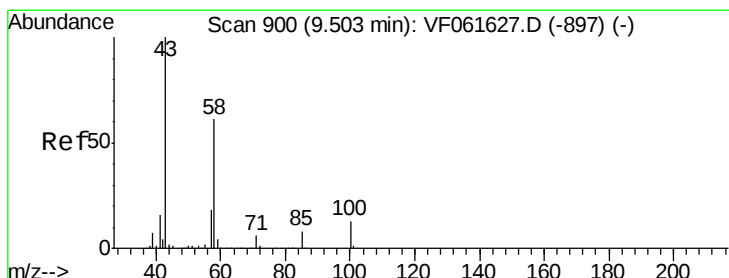
Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



Time-->



#59

2-Hexanone

Concen: 3.236 ug/l

RT: 9.50 min Scan# 900

Delta R.T. -0.00 min

Lab File: VF061780.D

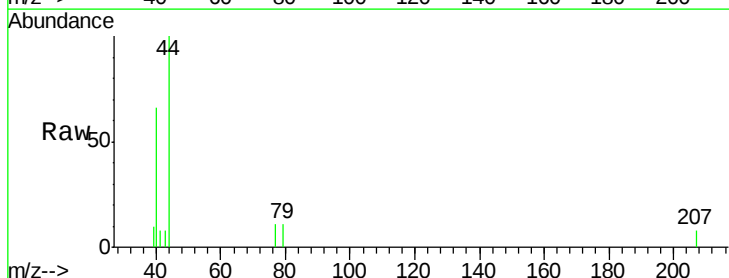
Acq: 27 Feb 2019 21:50

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

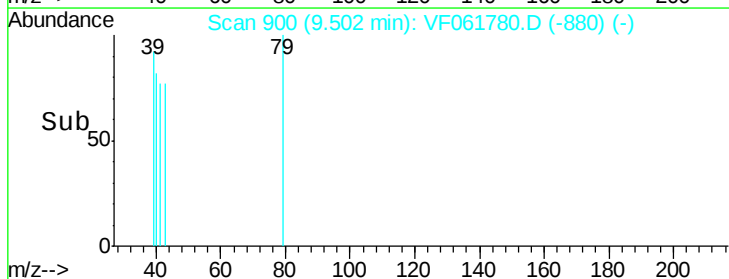
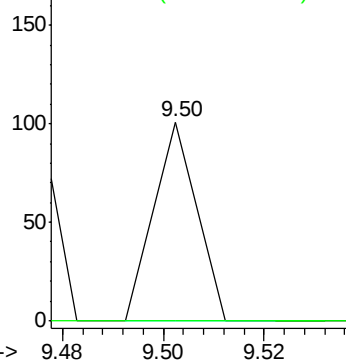
43 100

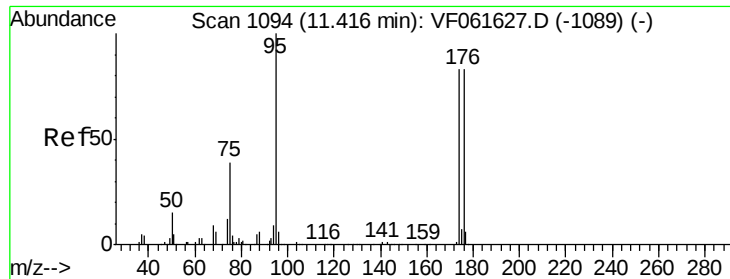
58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 19.928 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

Instrument :

MSVOA_F

ClientSampled :

BU-03-022719

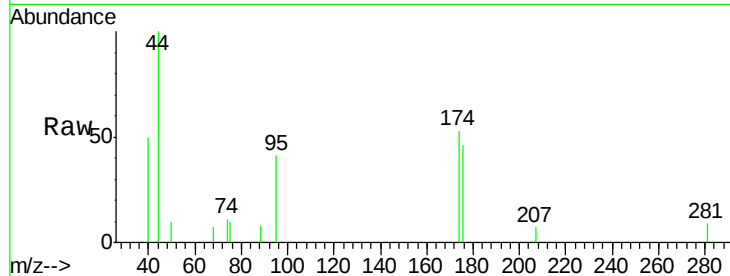
Tot Ion: 95 Resp: 1170

Ion Ratio Lower Upper

95 100

174 128.1 0.0 165.8

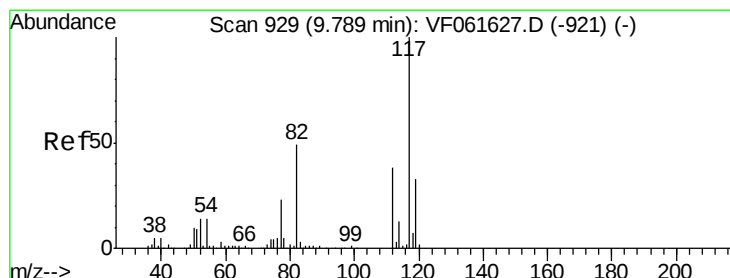
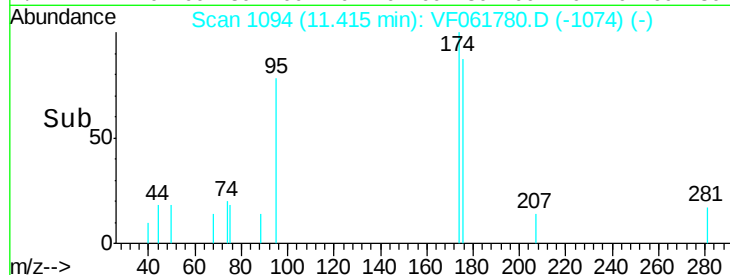
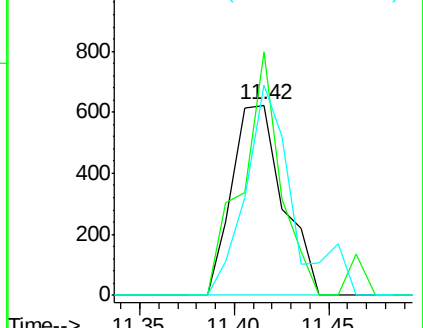
176 110.9 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061780.D

Acq: 27 Feb 2019 21:50

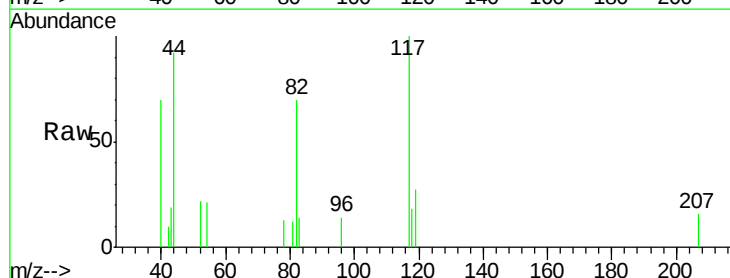
Tgt Ion: 117 Resp: 3132

Ion Ratio Lower Upper

117 100

82 69.9 39.3 58.9#

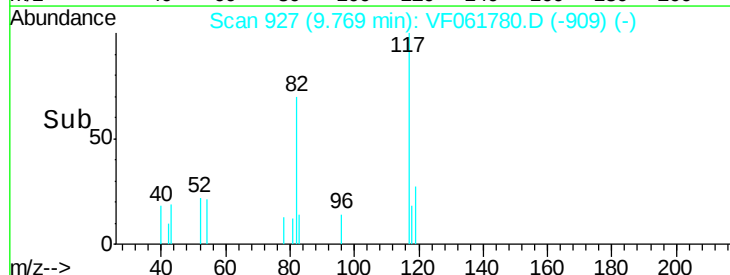
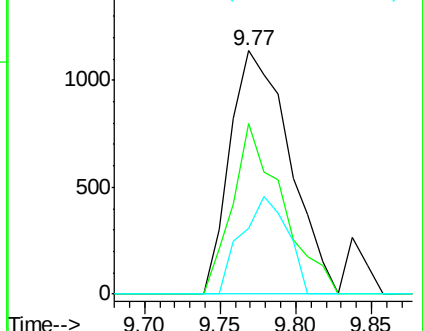
119 27.0 26.6 40.0

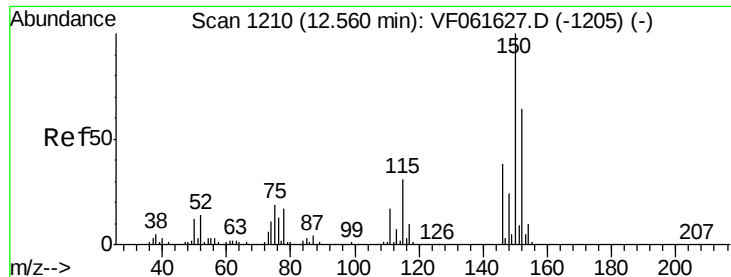


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



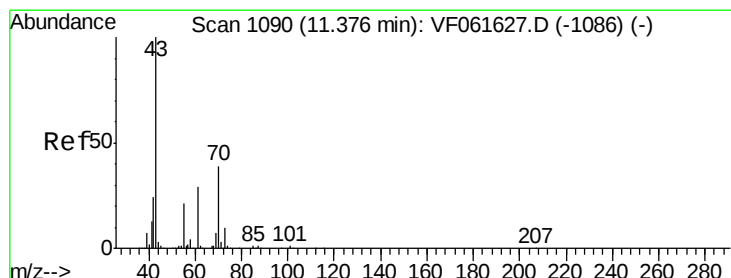
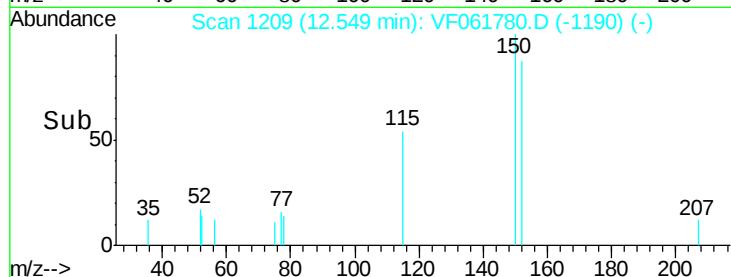
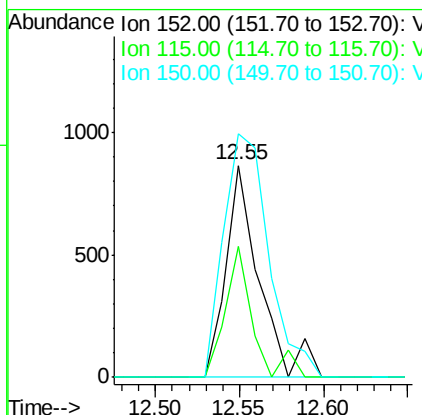
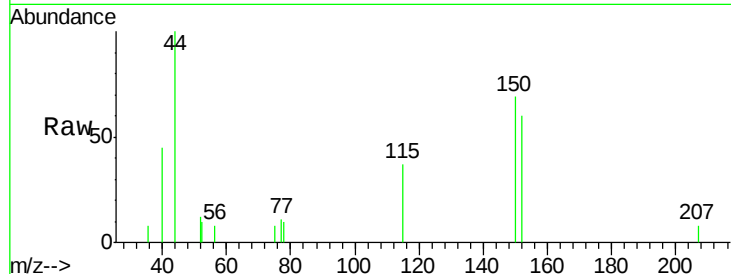


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061780.D
Acq: 27 Feb 2019 21:50

Instrument :
MSVOA_F
ClientSampleId :
BU-03-022719

Tot Ion:152 Resp: 1193
Ion Ratio Lower Upper
152 100
115 61.7 24.3 72.8
150 114.9 0.0 312.0



#74

N-ethyl acetate
Concen: 3.433 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.03 min
Lab File: VF061780.D
Acq: 27 Feb 2019 21:50

Tgt Ion: 43 Resp: 70
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#

