

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061304.D
 Acq On : 9 Jan 2019 16:40
 Operator : VA/AP
 Sample : K1082-27
 Misc : 4.29g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-1

Quant Time: Jan 10 05:55:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	994	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	1758	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.80	65	60	5.42	ug/l	-0.05
Spiked Amount						
			Recovery	=		10.84%
35) Dibromofluoromethane	4.13	113	221	16.43	ug/l	0.02
Spiked Amount						
			Recovery	=		32.86%
50) Toluene-d8	7.58	98	1684	42.30	ug/l	0.02
Spiked Amount						
			Recovery	=		84.60%
62) 4-Bromofluorobenzene	11.42	95	291	16.74	ug/l	0.00
Spiked Amount						
			Recovery	=		33.48%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.11	50	106	6.488	ug/l #	18
4) Vinyl Chloride	1.24	62	73	5.002	ug/l #	1
5) Bromomethane	1.27	94	457	40.007	ug/l #	6
6) Chloroethane	1.31	64	239	33.539	ug/l #	30
8) Diethyl Ether	1.68	74	63	17.343	ug/l	94
11) Tert butyl alcohol	2.56	59	107	241.549	ug/l #	58
12) 1,1-Dichloroethene	1.79	96	95	9.095	ug/l #	1
13) Acrolein	1.88	56	111	228.619	ug/l	97
14) Allyl chloride	2.10	41	499	26.136	ug/l #	70
15) Acrylonitrile	2.96	53	223	142.008	ug/l #	12
16) Acetone	2.22	43	838	325.599	ug/l	96
17) Carbon Disulfide	1.72	76	60	1.739	ug/l #	74
18) Methyl Acetate	2.35	43	822	162.333	ug/l #	65
19) Methyl tert-butyl Ether	2.49	73	67	3.366	ug/l #	57
20) Methylene Chloride	2.28	84	66	6.062	ug/l #	1
21) trans-1,2-Dichloroethene	2.31	96	66	5.963	ug/l #	1
22) Diisopropyl ether	2.85	45	637	17.245	ug/l #	48
23) Vinyl Acetate	3.16	43	873	80.817	ug/l #	77
24) 1,1-Dichloroethane	2.91	63	62	2.902	ug/l #	87
25) 2-Butanone	4.39	43	69	16.657	ug/l #	56
26) 2,2-Dichloropropane	3.70	77	72	5.043	ug/l #	60
27) cis-1,2-Dichloroethene	3.48	96	120	7.765	ug/l	1
28) Bromochloromethane	3.66	49	73	7.749	ug/l #	13
29) Tetrahydrofuran	4.09	42	452	260.976	ug/l #	49
31) Cyclohexane	3.68	56	63	2.811	ug/l #	14
32) 1,1,1-Trichloroethane	3.99	97	60	2.739	ug/l #	21
37) Ethyl Acetate	4.15	43	592	79.187	ug/l #	1
41) Methacrylonitrile	4.76	41	107	25.630	ug/l #	24
43) Isopropyl Acetate	6.95	43	139	14.083	ug/l #	45
45) 1,2-Dichloropropane	6.35	63	91	7.466	ug/l #	43
46) Dibromomethane	6.05	93	60	8.018	ug/l #	8
48) Methyl methacrylate	6.77	41	160	24.974	ug/l #	22
49) 1,4-Dioxane	6.75	88	60	1484.245	ug/l #	20
51) 4-Methyl-2-Pentanone	8.27	43	134	17.987	ug/l #	38

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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

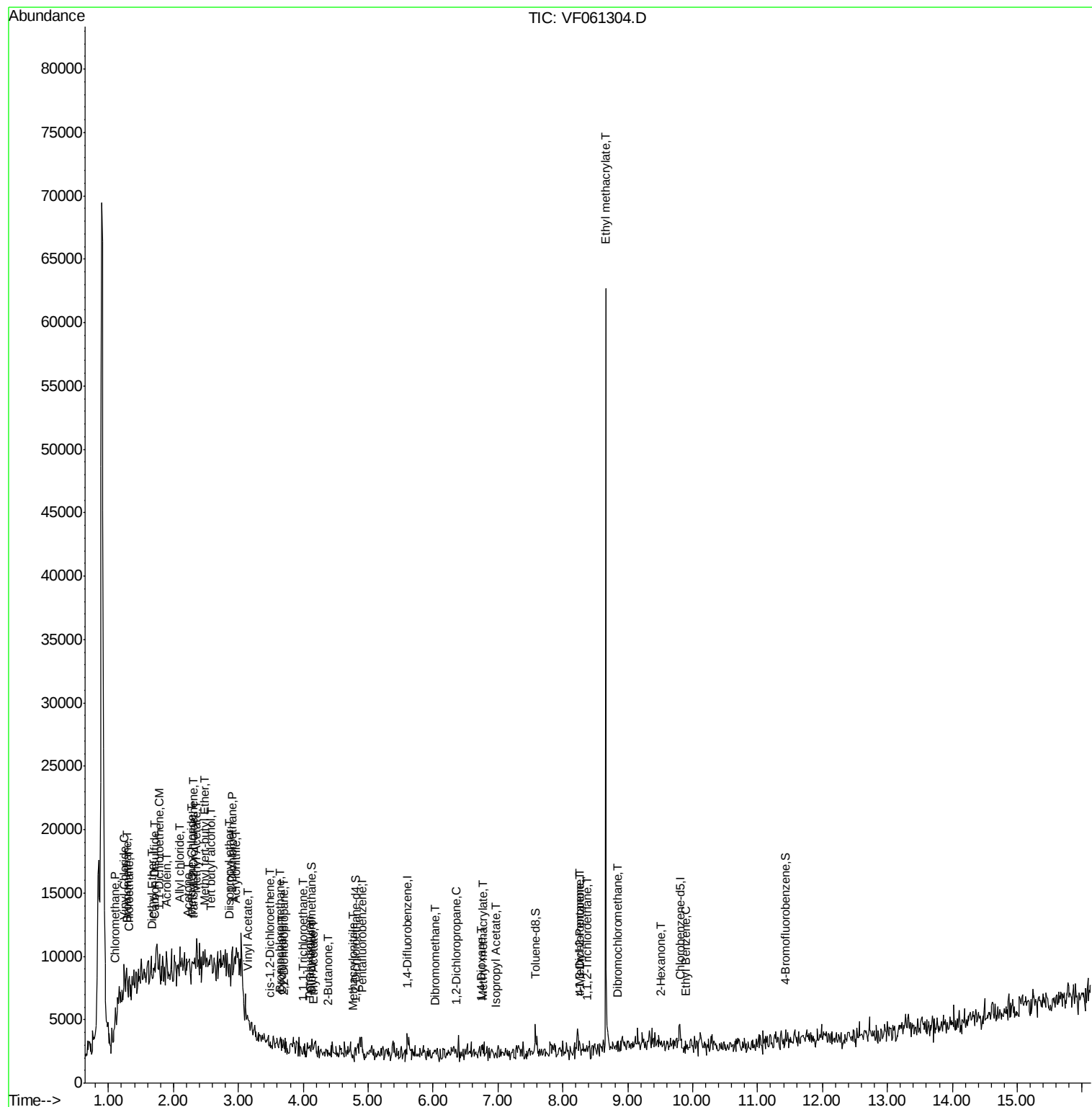
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) t-1,3-Dichloropropene	8.27	75	77	5.268	ug/l #	44
55) 1,1,2-Trichloroethane	8.37	97	60	6.960	ug/l #	15
56) Ethyl methacrylate	8.66	69	59	6.124	ug/l #	1
59) 2-Hexanone	9.51	43	405	76.735	ug/l #	27
60) Dibromochloromethane	8.84	129	73	6.359	ug/l #	10
67) Ethyl Benzene	9.88	91	69	1.926	ug/l #	48

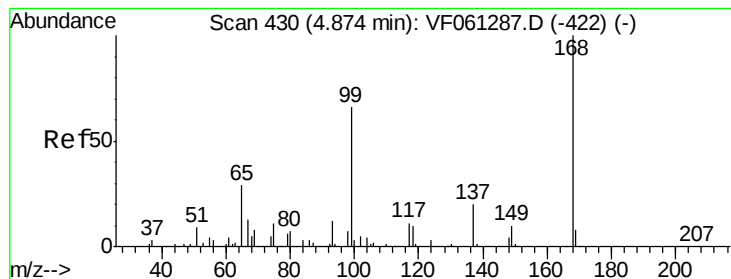
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF010919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

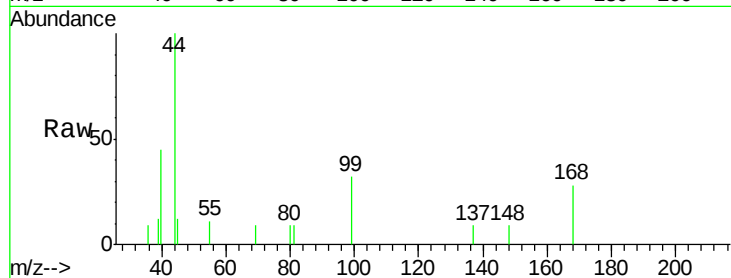
SP-1-1

Tot Ion:168 Resp: 994

Ion Ratio Lower Upper

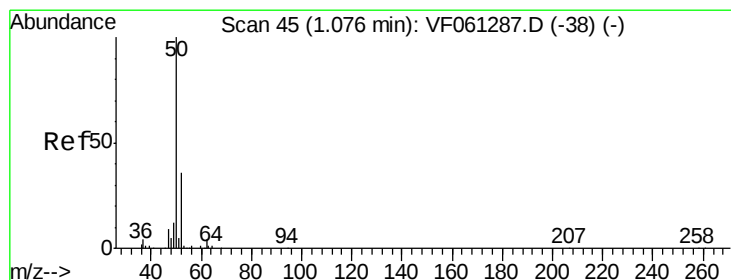
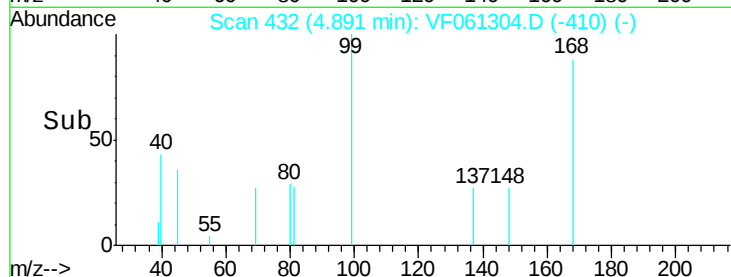
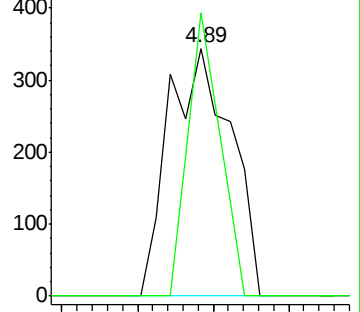
168 100

99 114.2 52.7 79.1#



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 6.488 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.04 min

Lab File: VF061304.D

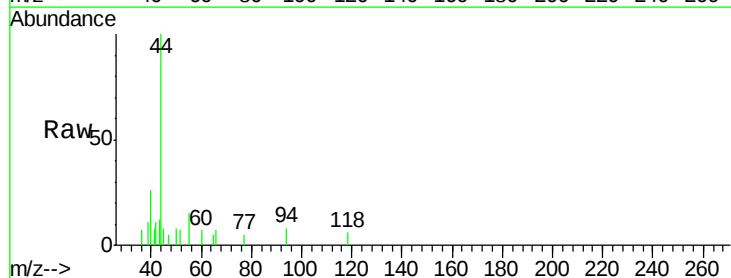
Acq: 9 Jan 2019 16:40

Tgt Ion: 50 Resp: 106

Ion Ratio Lower Upper

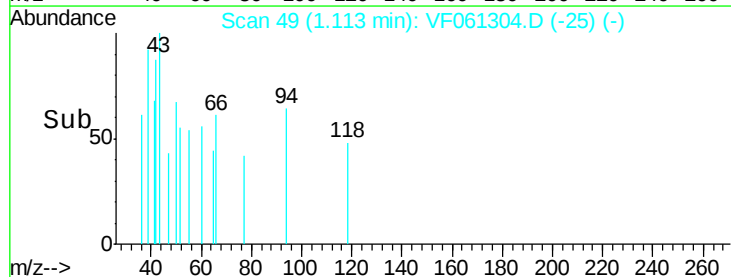
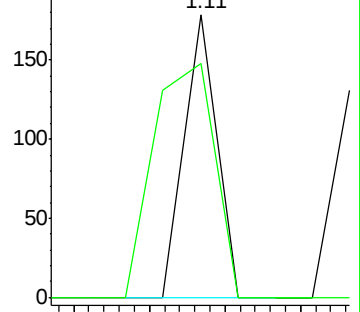
50 100

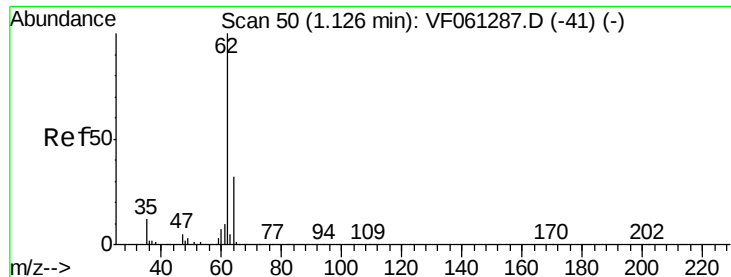
52 82.7 28.2 42.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#4

Vinyl Chloride

Concen: 5.002 ug/l

RT: 1.24 min Scan# 62

Delta R.T. 0.12 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampleId :

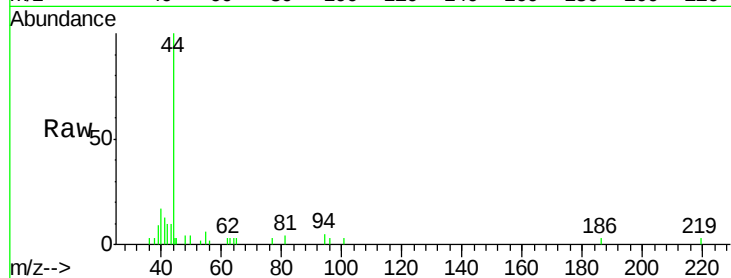
SP-1-1

Tot Ion: 62 Resp: 73

Ion Ratio Lower Upper

62 100

64 91.9 25.4 38.0#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

150

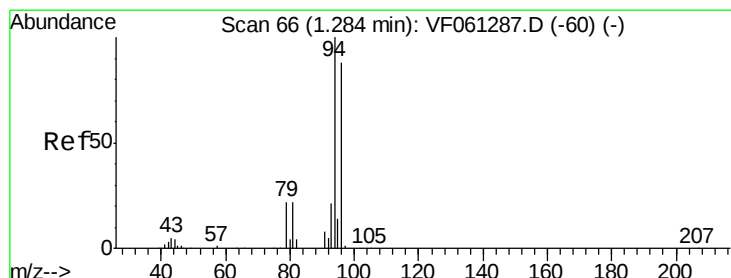
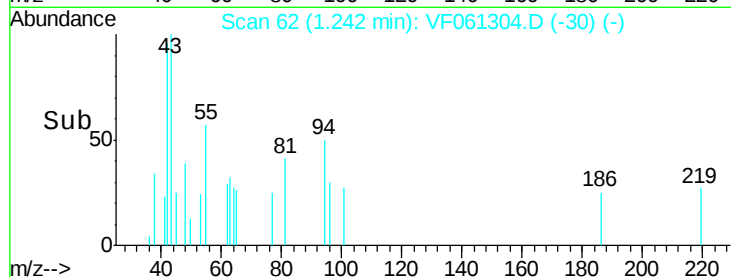
100

50

0

1.22 1.24 1.26

Time-->



#5

Bromomethane

Concen: 40.007 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.01 min

Lab File: VF061304.D

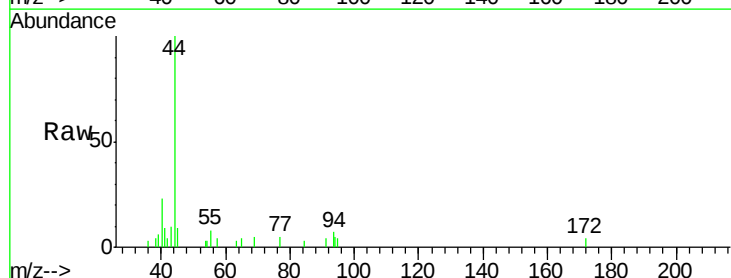
Acq: 9 Jan 2019 16:40

Tgt Ion: 94 Resp: 457

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

400

300

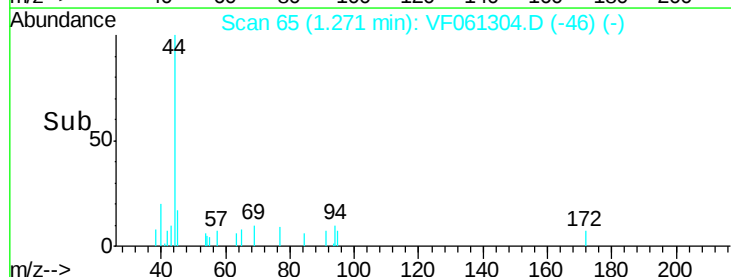
200

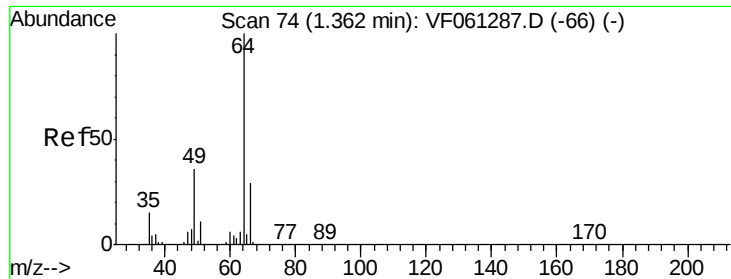
100

0

1.26 1.28 1.30

Time-->





#6

Chloroethane

Concen: 33.539 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.05 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

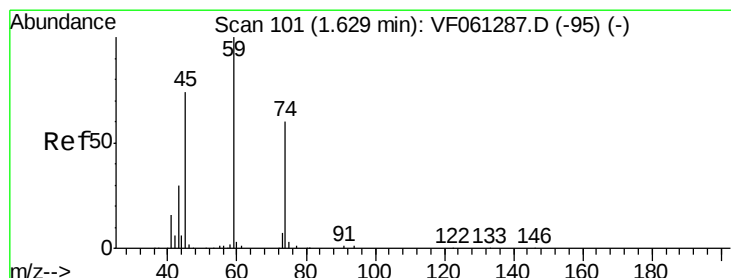
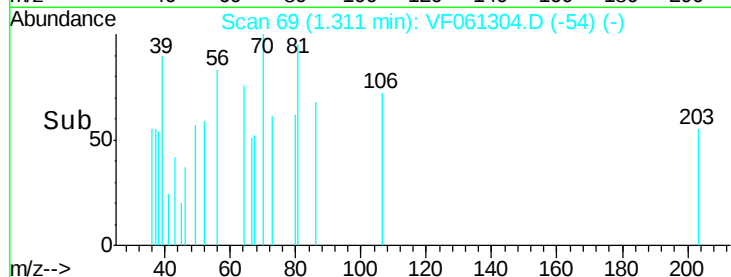
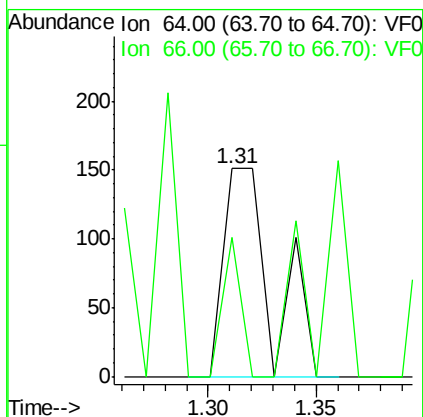
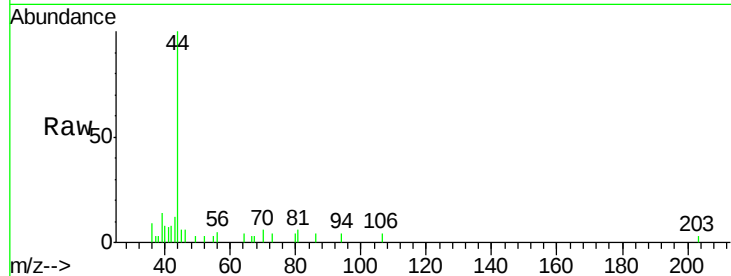
SP-1-1

Tot Ion: 64 Resp: 239

Ion Ratio Lower Upper

64 100

66 66.9 23.4 35.0#



#8

Diethyl Ether

Concen: 17.343 ug/l

RT: 1.68 min Scan# 106

Delta R.T. 0.05 min

Lab File: VF061304.D

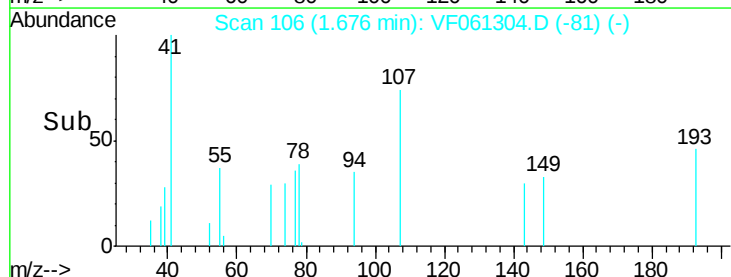
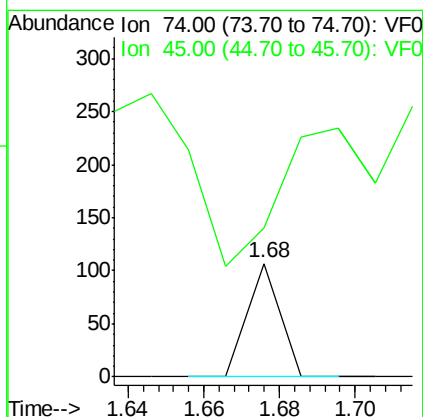
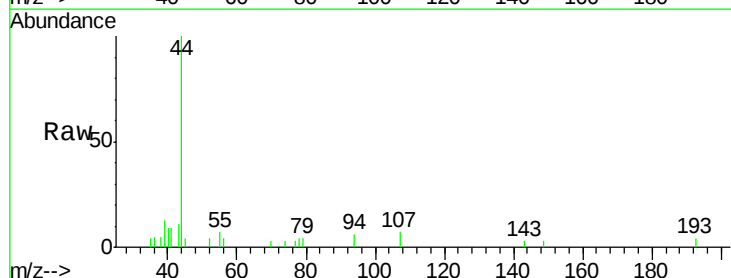
Acq: 9 Jan 2019 16:40

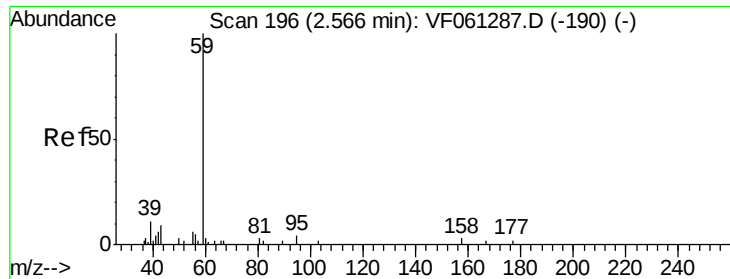
Tgt Ion: 74 Resp: 63

Ion Ratio Lower Upper

74 100

45 130.8 62.1 186.3



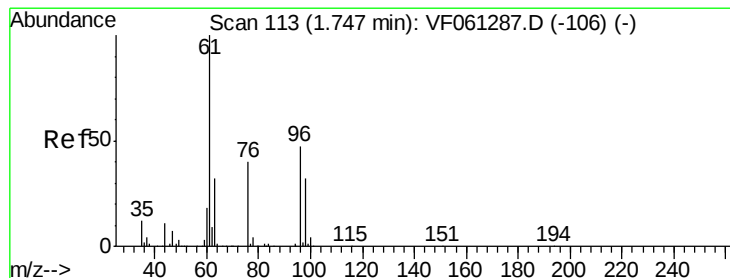
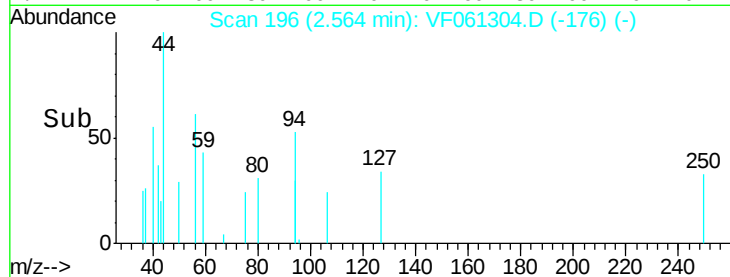
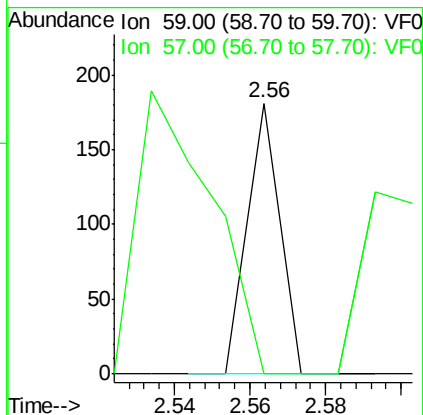
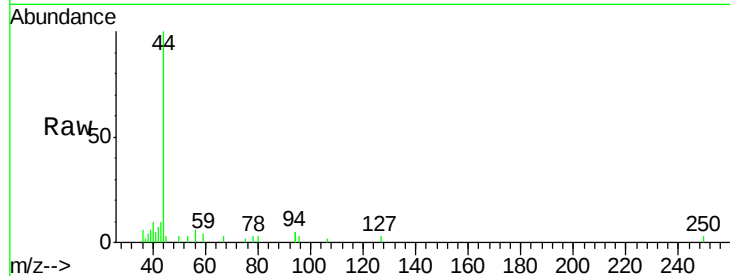


#11

Tert butyl alcohol
Concen: 241.549 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061304.D
Acq: 9 Jan 2019 16:40

Instrument :
MSVOA_F
ClientSampled :
SP-1-1

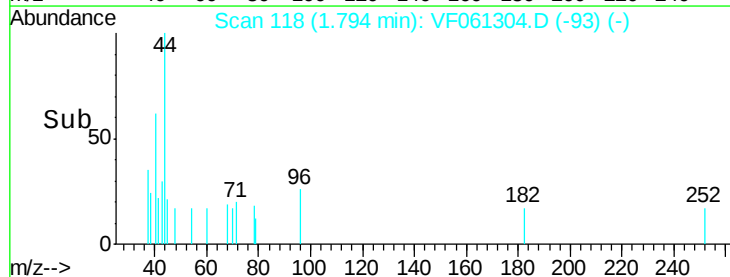
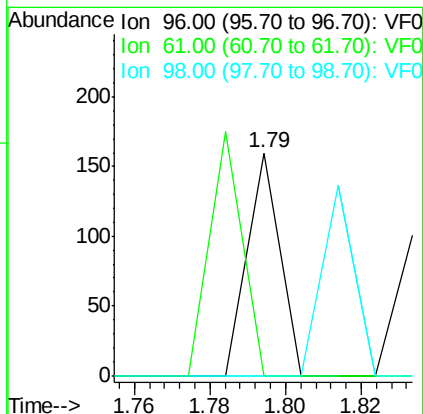
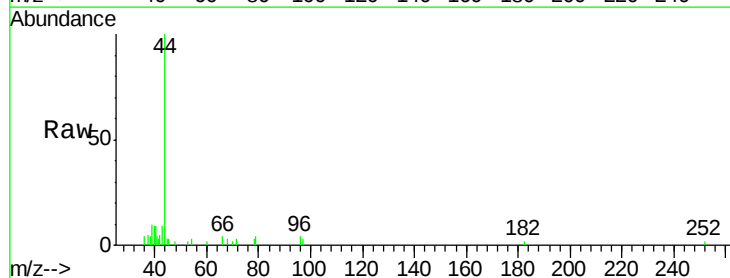
Tot Ion: 59 Resp: 107
Ion Ratio Lower Upper
59 100
57 0.0 15.1 22.7#

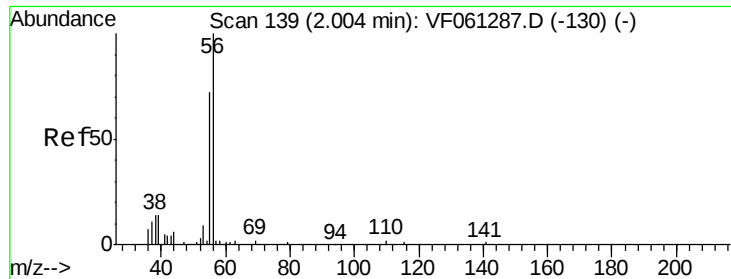


#12

1,1-Dichloroethene
Concen: 9.095 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.05 min
Lab File: VF061304.D
Acq: 9 Jan 2019 16:40

Tgt Ion: 96 Resp: 95
Ion Ratio Lower Upper
96 100
61 0.0 171.8 257.8#
98 0.0 54.2 81.4#





#13

Acrolein

Concen: 228.619 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.12 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

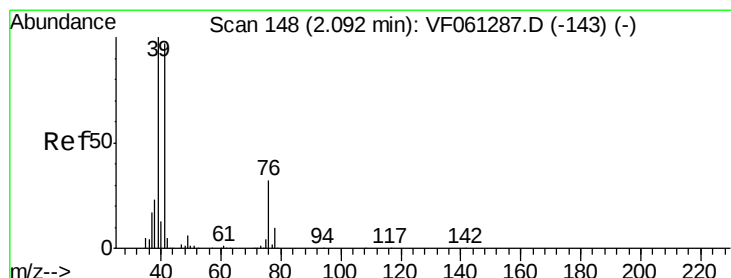
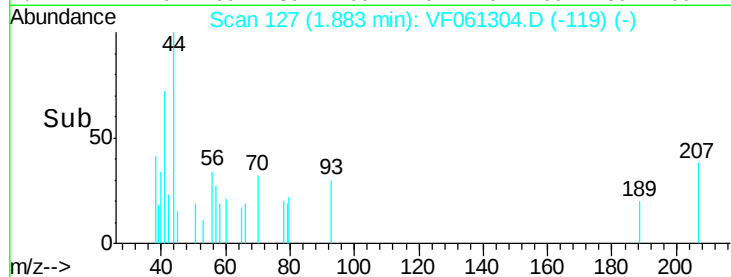
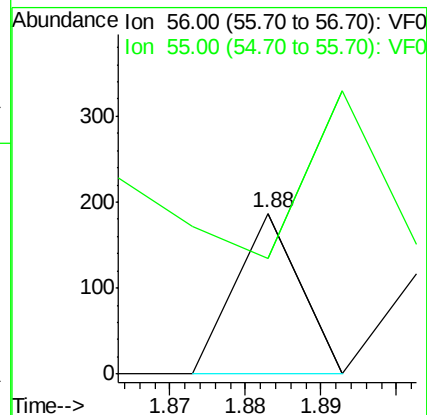
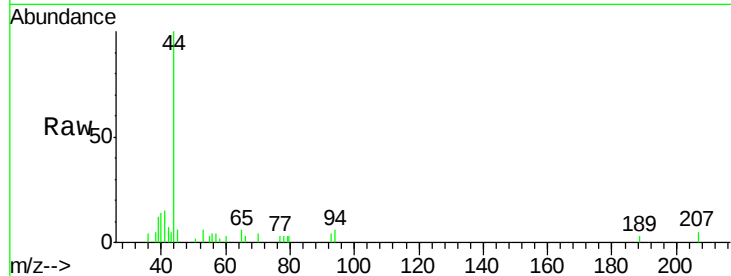
SP-1-1

Tot Ion: 56 Resp: 111

Ion Ratio Lower Upper

56 100

55 71.7 59.4 89.0



#14

Allyl chloride

Concen: 26.136 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

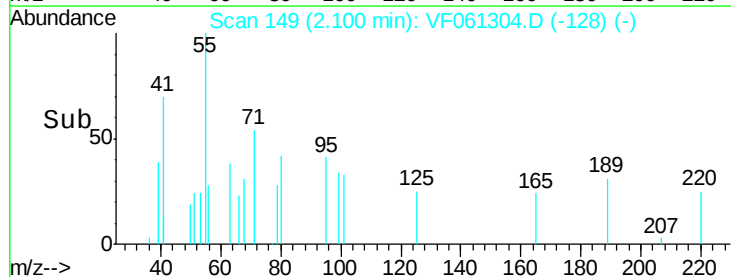
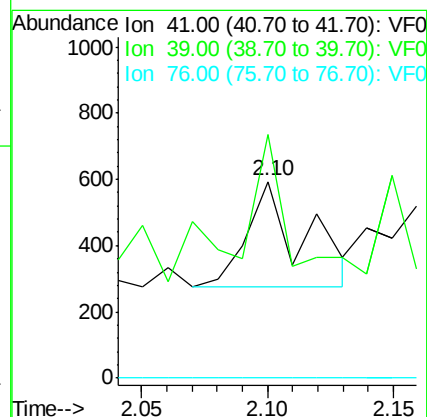
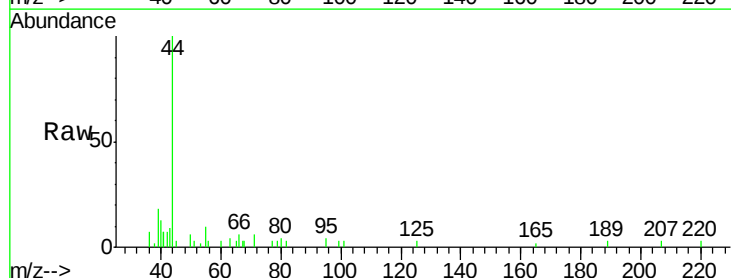
Tgt Ion: 41 Resp: 499

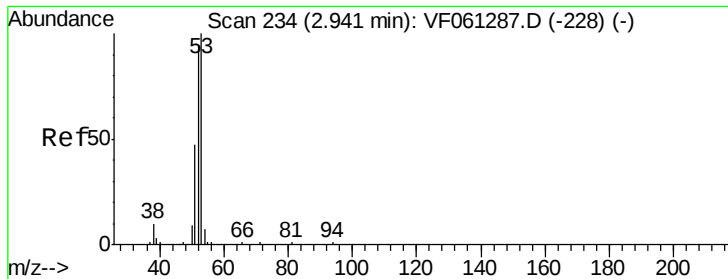
Ion Ratio Lower Upper

41 100

39 123.7 82.6 123.8

76 0.0 26.9 40.3#





#15

Acrylonitrile

Concen: 142.008 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.02 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

SP-1-1

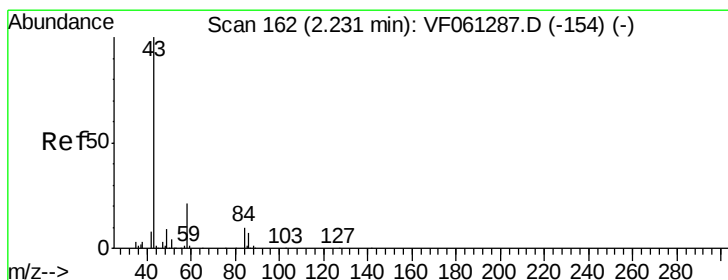
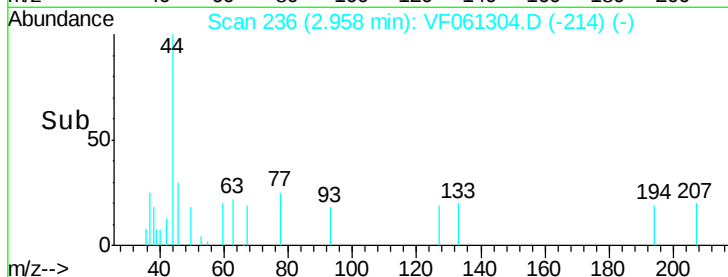
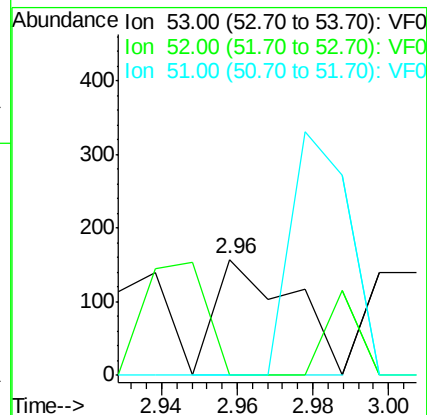
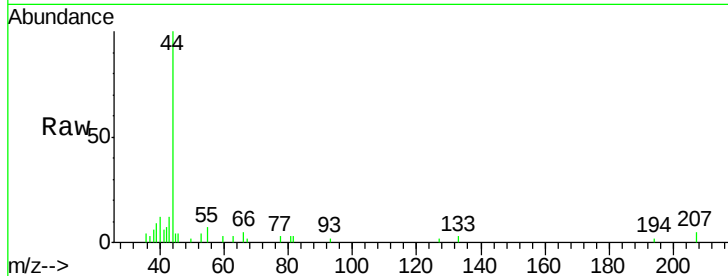
Tot Ion: 53 Resp: 223

Ion Ratio Lower Upper

53 100

52 0.0 74.6 111.8#

51 0.0 37.8 56.6#



#16

Acetone

Concen: 325.599 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF061304.D

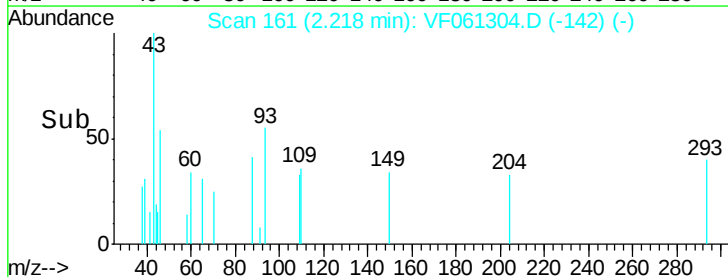
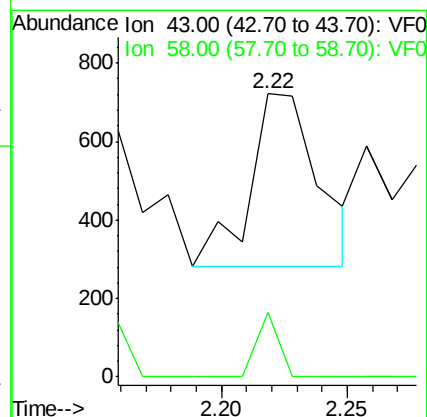
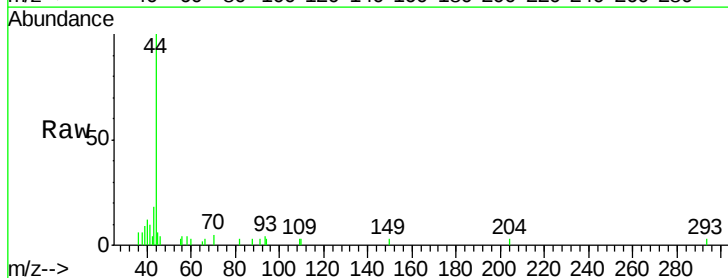
Acq: 9 Jan 2019 16:40

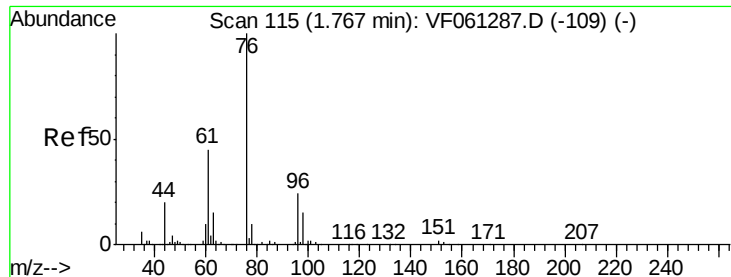
Tgt Ion: 43 Resp: 838

Ion Ratio Lower Upper

43 100

58 22.6 16.6 25.0

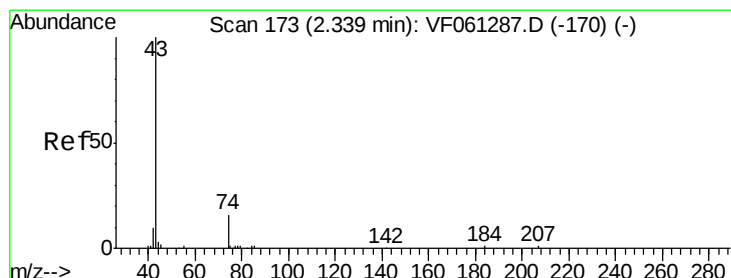
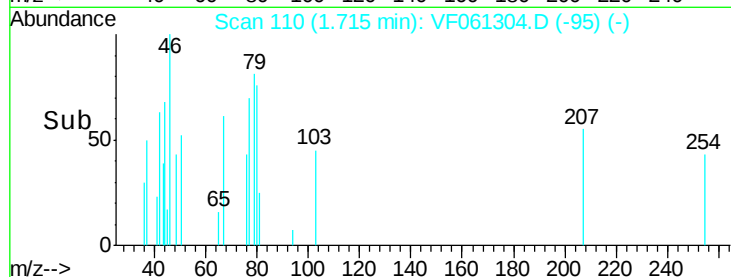
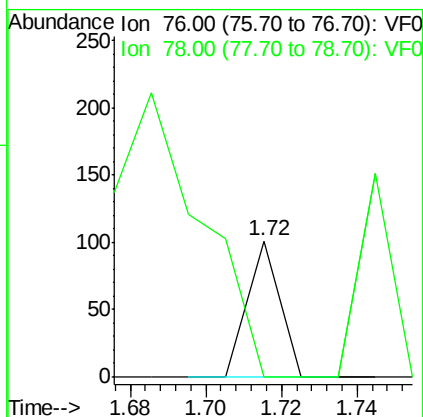
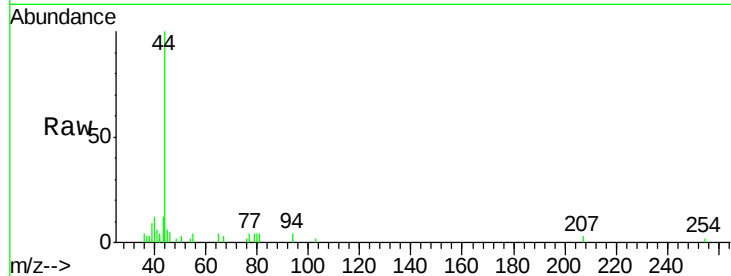




#17
Carbon Disulfide
Concen: 1.739 ug/l
RT: 1.72 min Scan# 110
Delta R.T. -0.05 min
Lab File: VF061304.D
Acq: 9 Jan 2019 16:40

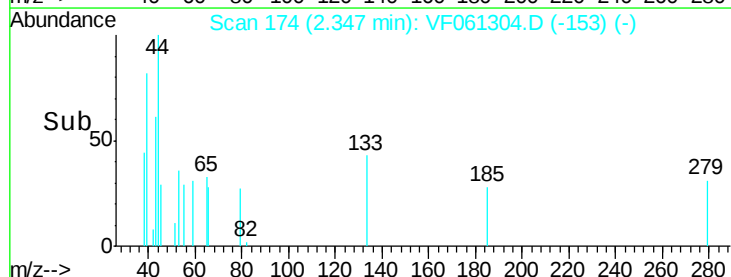
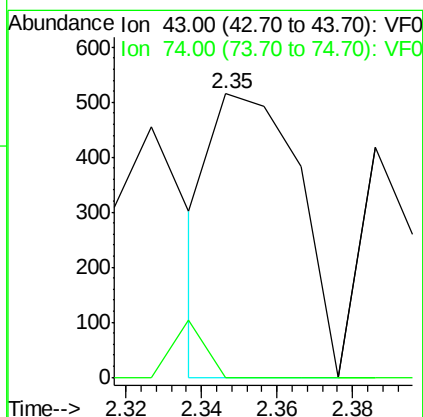
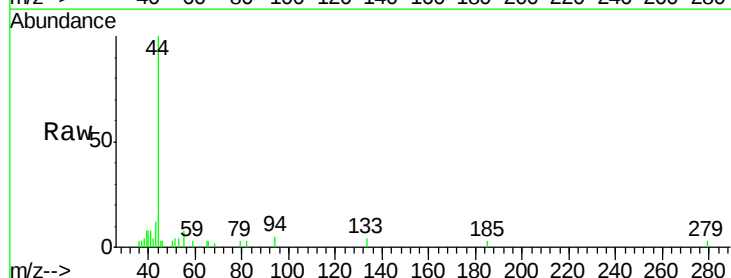
Instrument :
MSVOA_F
ClientSampleID :
SP-1-1

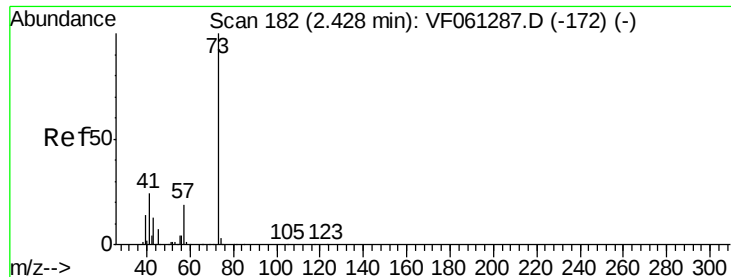
Tot Ion: 76 Resp: 60
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#18
Methyl Acetate
Concen: 162.333 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061304.D
Acq: 9 Jan 2019 16:40

Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#





#19

Methyl tert-butyl Ether

Concen: 3.366 ug/l

RT: 2.49 min Scan# 189

Delta R.T. 0.07 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

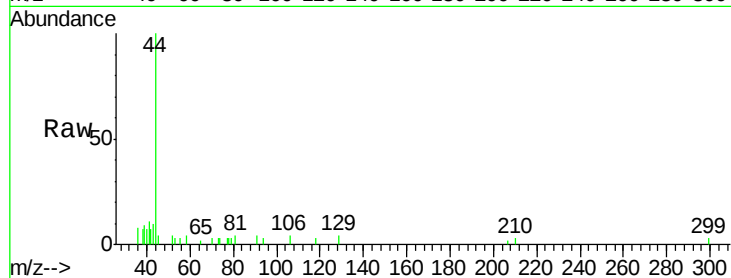
SP-1-1

Tot Ion: 73 Resp: 67

Ion Ratio Lower Upper

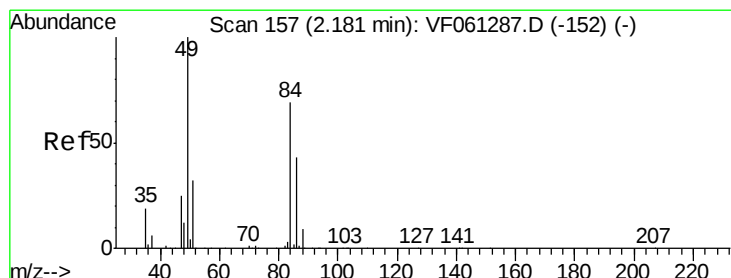
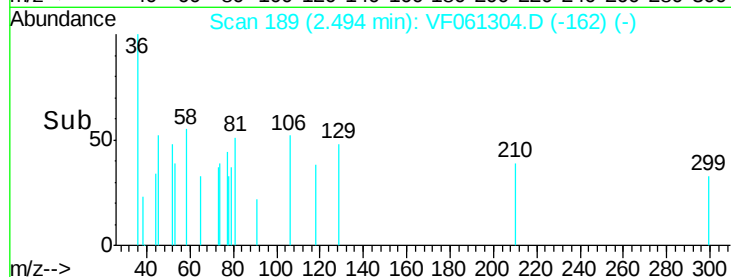
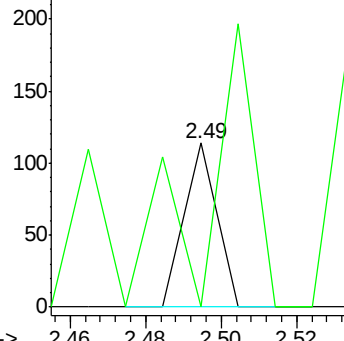
73 100

57 0.0 15.5 23.3#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#20

Methylene Chloride

Concen: 6.062 ug/l

RT: 2.28 min Scan# 167

Delta R.T. 0.10 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Tgt Ion: 84 Resp: 66

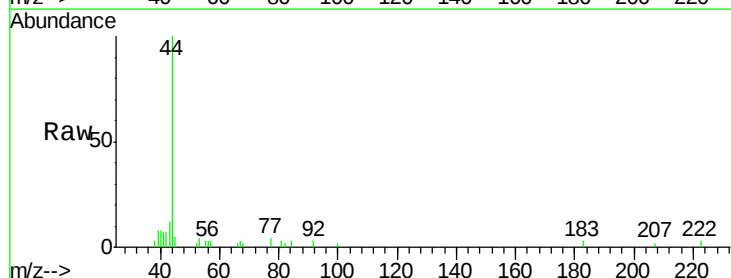
Ion Ratio Lower Upper

84 100

49 0.0 116.6 175.0#

51 0.0 37.7 56.5#

86 0.0 49.8 74.8#

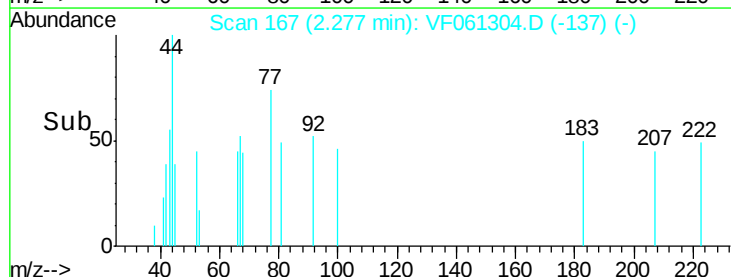
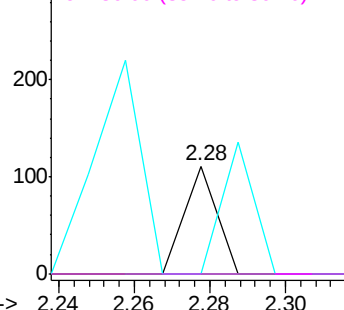


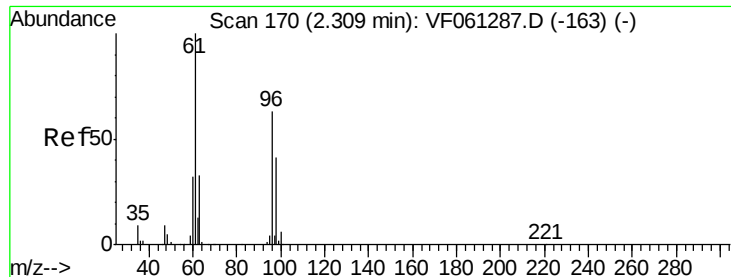
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#21

trans-1,2-Dichloroethene

Concen: 5.963 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampleId :

SP-1-1

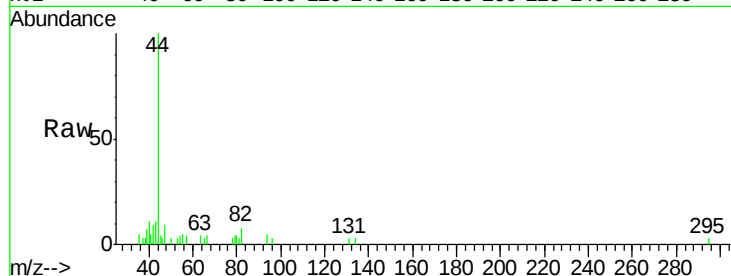
Tot Ion: 96 Resp: 66

Ion Ratio Lower Upper

96 100

61 0.0 127.0 190.4#

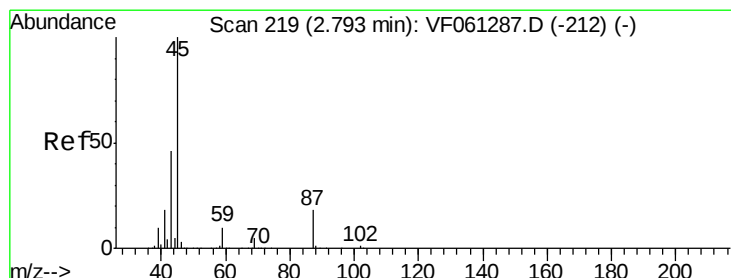
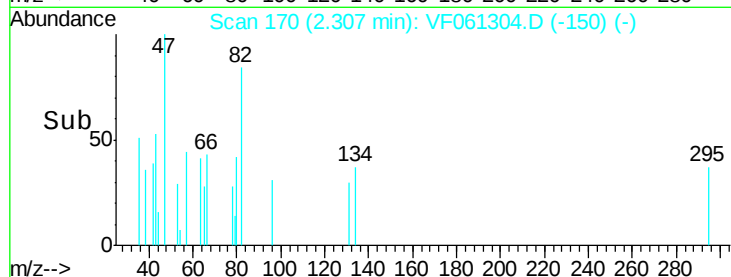
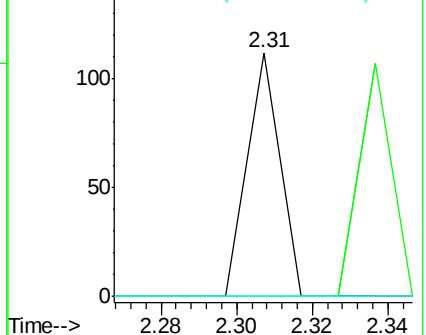
98 0.0 51.7 77.5#



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: 17.245 ug/l

RT: 2.85 min Scan# 225

Delta R.T. 0.06 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Tgt Ion: 45 Resp: 637

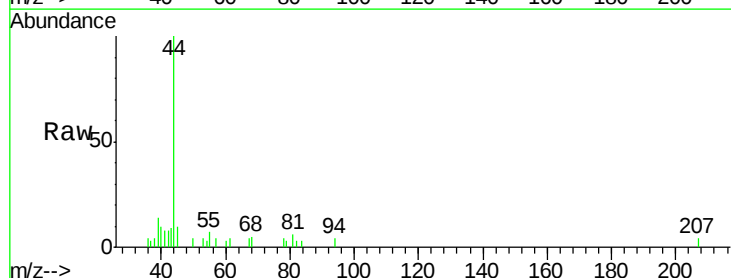
Ion Ratio Lower Upper

45 100

43 87.9 37.4 56.2#

87 0.0 14.2 21.2#

59 0.0 8.2 12.2#

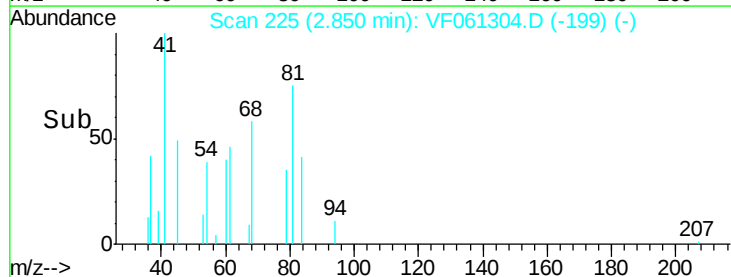
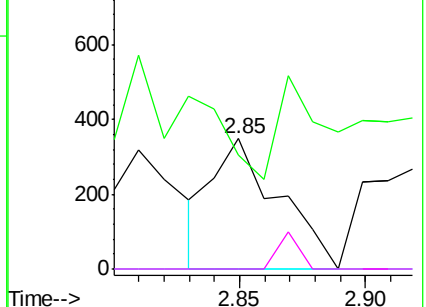


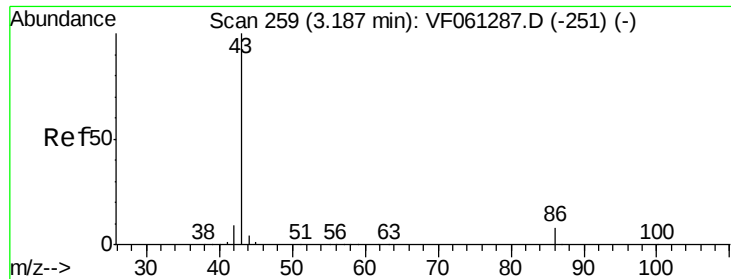
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 80.817 ug/l

RT: 3.16 min Scan# 256

Delta R.T. -0.03 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

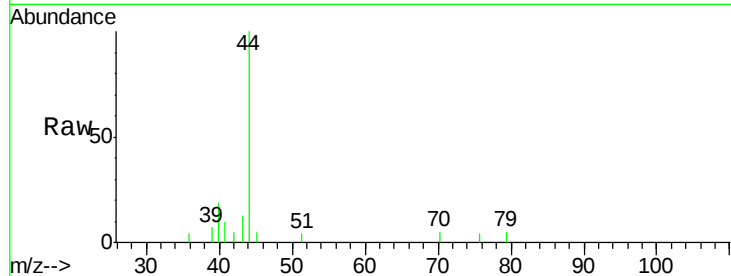
SP-1-1

Tot Ion: 43 Resp: 873

Ion Ratio Lower Upper

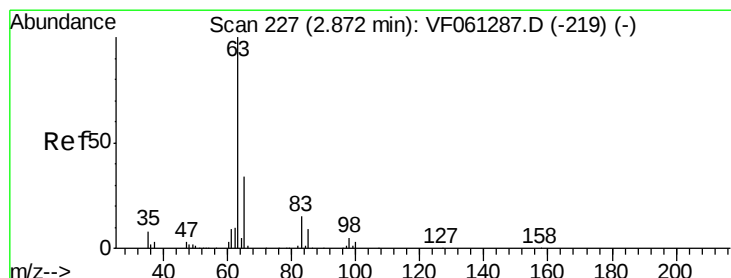
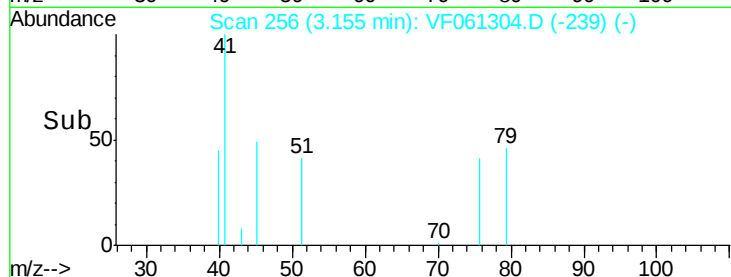
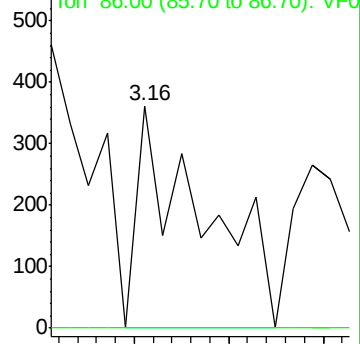
43 100

86 0.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 2.902 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.04 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

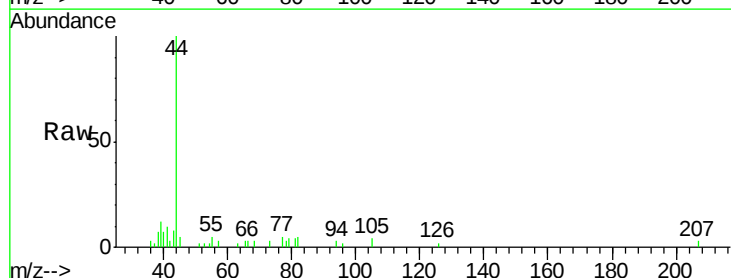
Tgt Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

98 0.0 2.5 7.6#

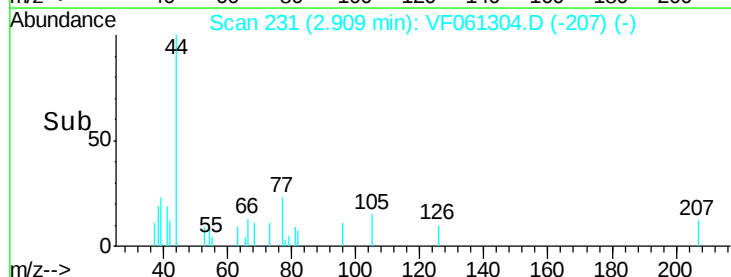
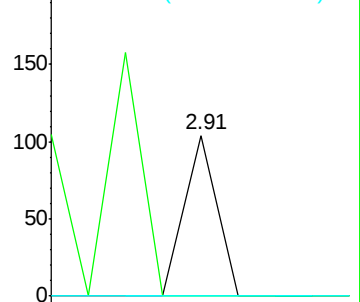
100 0.0 1.7 5.0#

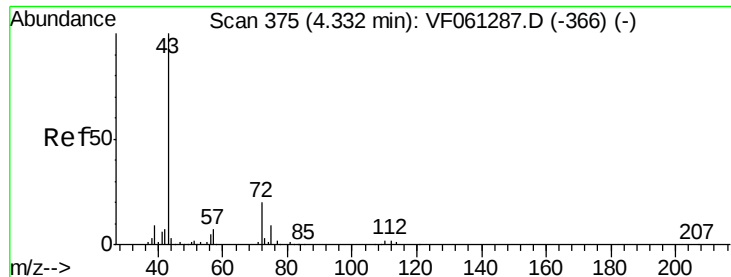


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 16.657 ug/l

RT: 4.39 min Scan# 381

Delta R.T. 0.06 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

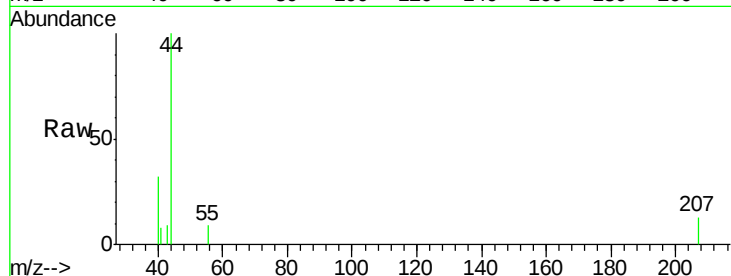
SP-1-1

Tot Ion: 43 Resp: 69

Ion Ratio Lower Upper

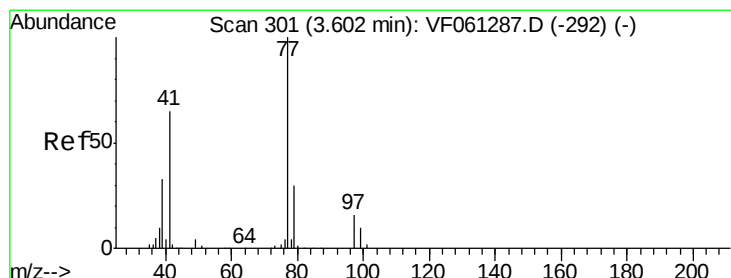
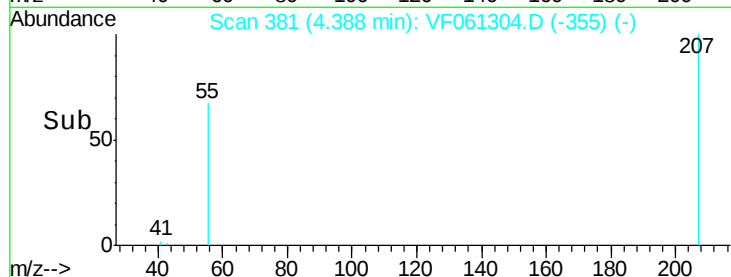
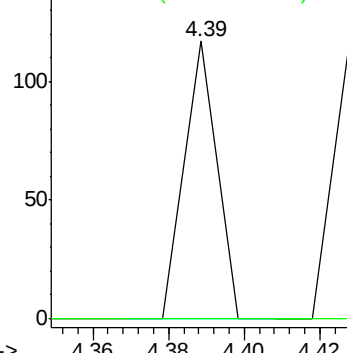
43 100

72 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 5.043 ug/l

RT: 3.70 min Scan# 311

Delta R.T. 0.10 min

Lab File: VF061304.D

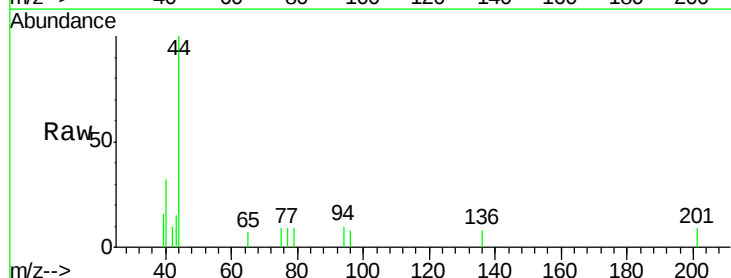
Acq: 9 Jan 2019 16:40

Tgt Ion: 77 Resp: 72

Ion Ratio Lower Upper

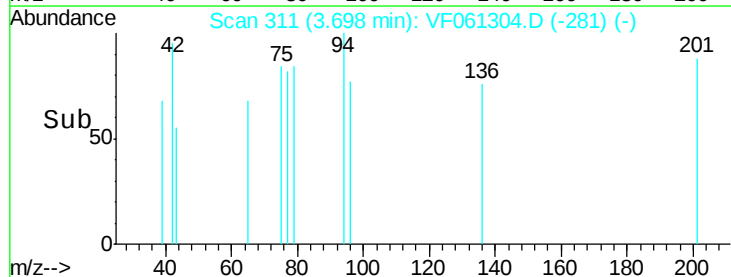
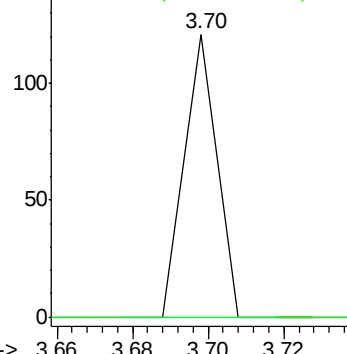
77 100

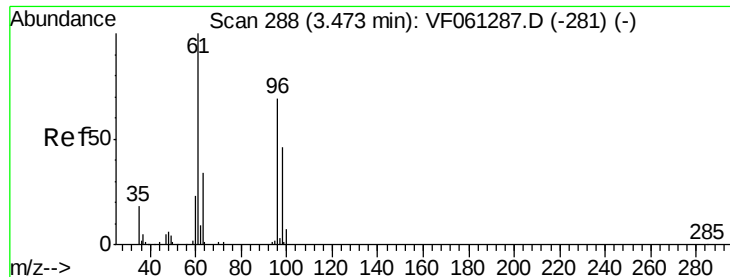
97 0.0 8.6 25.9#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

cis-1,2-Dichloroethene

Concen: 7.765 ug/l

RT: 3.48 min Scan# 289

Delta R.T. 0.01 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

SP-1-1

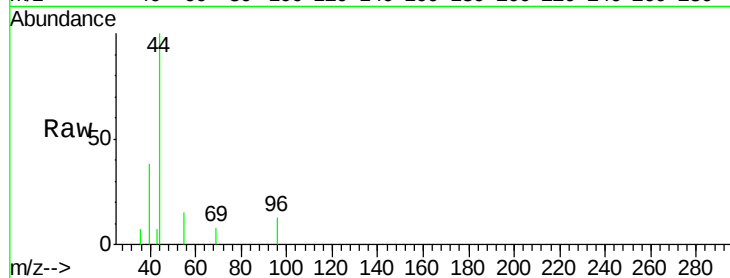
Tot Ion: 96 Resp: 120

Ion Ratio Lower Upper

96 100

61 0.0 0.0 288.2

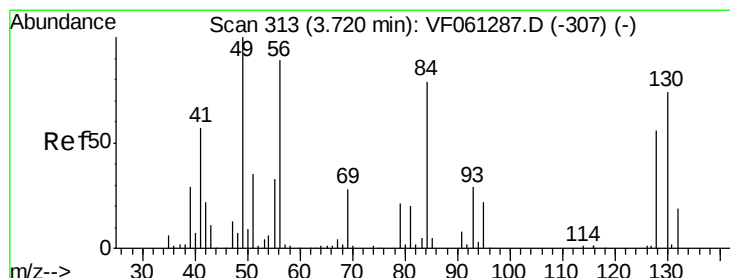
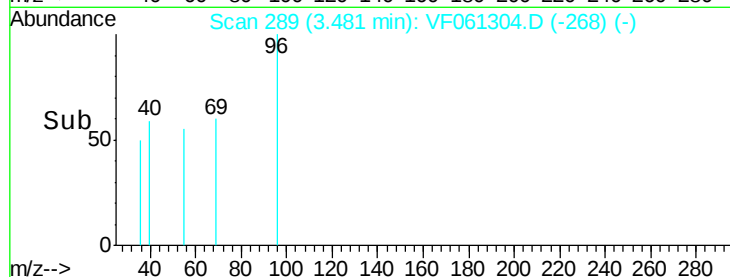
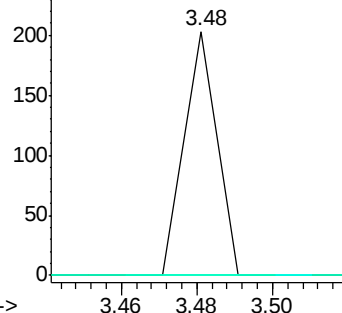
98 0.0 0.0 132.2



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



#28

Bromochloromethane

Concen: 7.749 ug/l

RT: 3.66 min Scan# 307

Delta R.T. -0.06 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

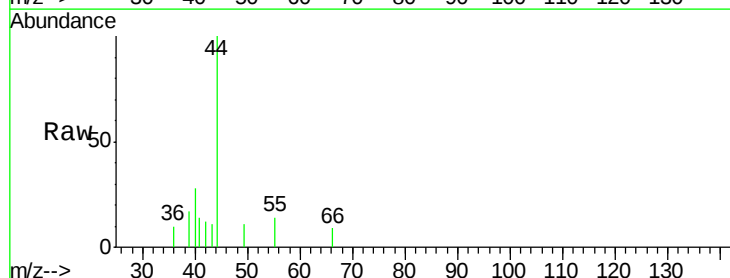
Tgt Ion: 49 Resp: 73

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

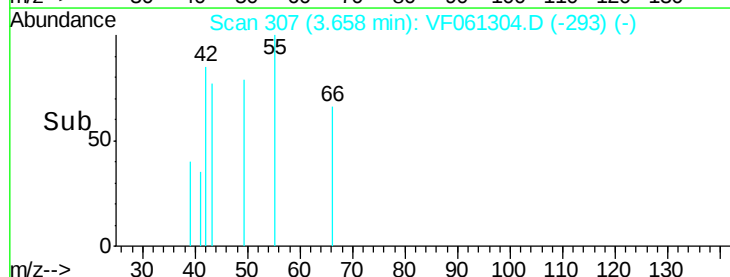
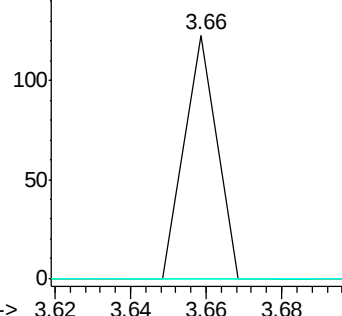
130 0.0 58.6 88.0#

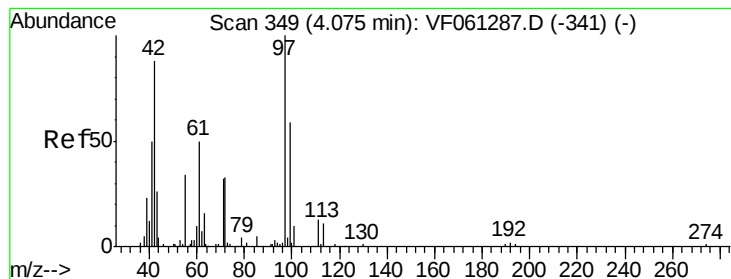


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 260.976 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.02 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampleId :

SP-1-1

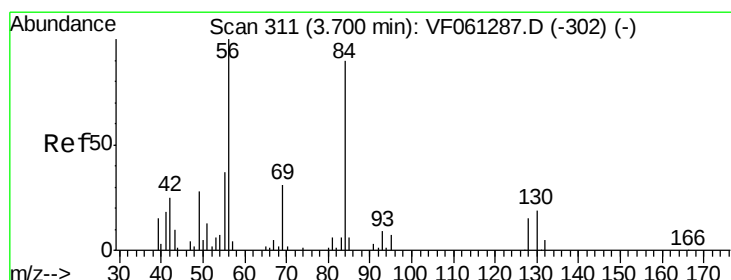
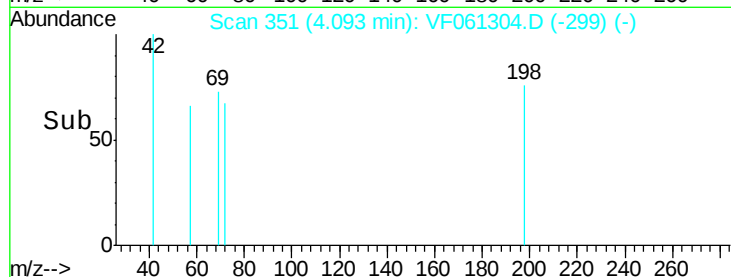
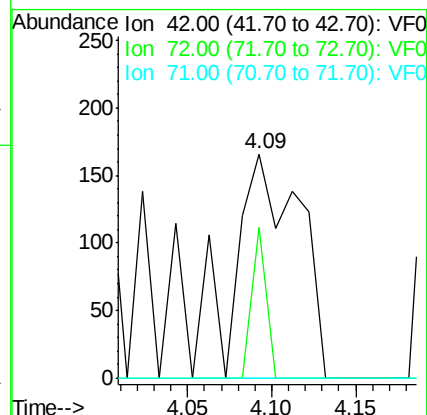
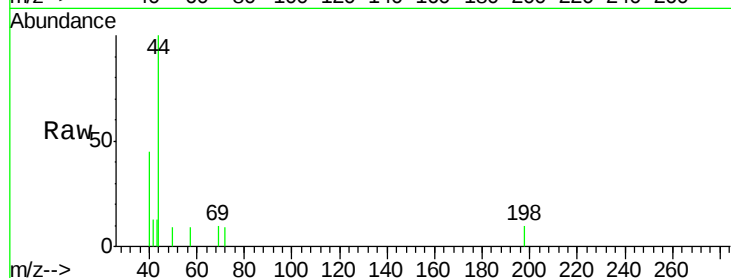
Tot Ion: 42 Resp: 452

Ion Ratio Lower Upper

42 100

72 14.6 32.3 48.5#

71 0.0 29.5 44.3#



#31

Cyclohexane

Concen: 2.811 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.02 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

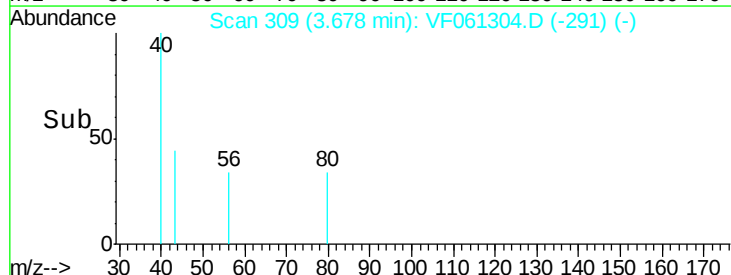
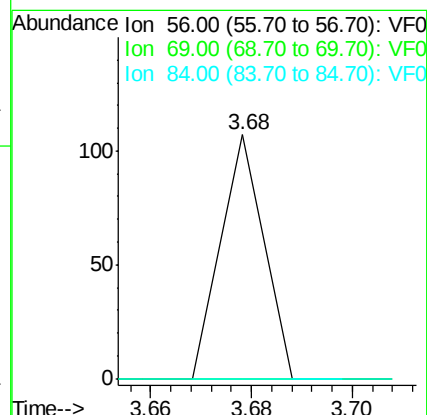
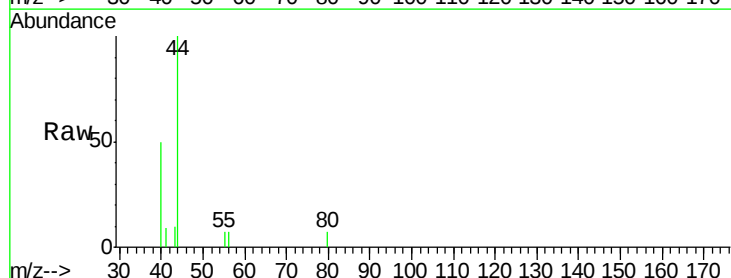
Tgt Ion: 56 Resp: 63

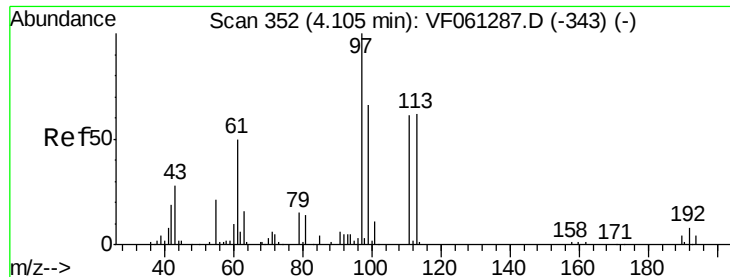
Ion Ratio Lower Upper

56 100

69 0.0 24.7 37.1#

84 0.0 72.2 108.4#





#32

1,1,1-Trichloroethane

Concen: 2.739 ug/l

RT: 3.99 min Scan# 341

Delta R.T. -0.11 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampleId :

SP-1-1

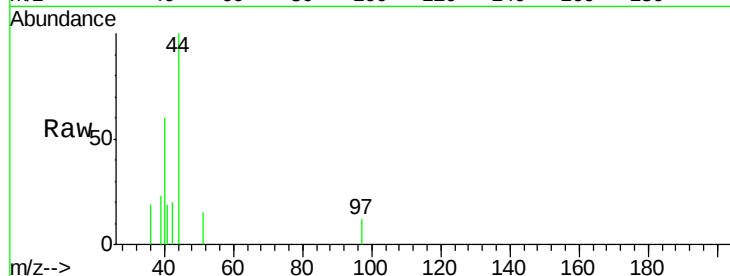
Tot Ion: 97 Resp: 60

Ion Ratio Lower Upper

97 100

99 0.0 52.7 79.1#

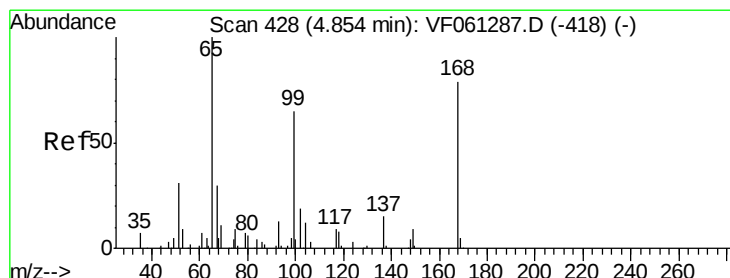
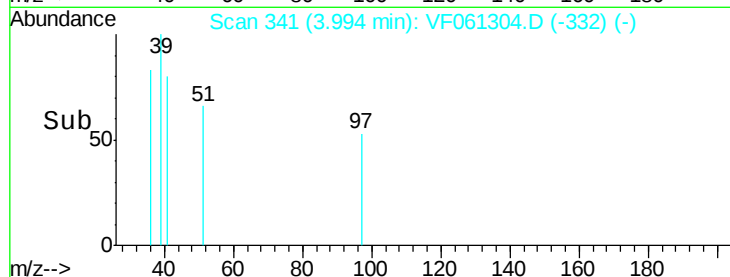
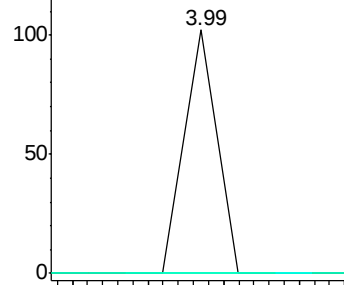
61 0.0 40.8 61.2#



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: 5.423 ug/l

RT: 4.80 min Scan# 423

Delta R.T. -0.05 min

Lab File: VF061304.D

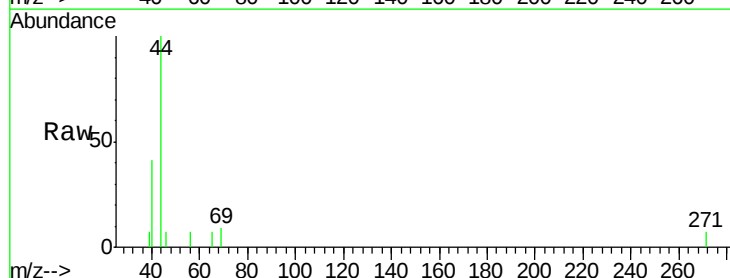
Acq: 9 Jan 2019 16:40

Tgt Ion: 65 Resp: 60

Ion Ratio Lower Upper

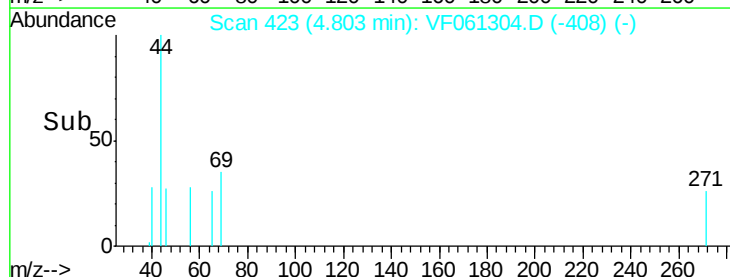
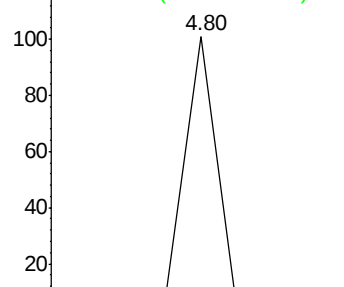
65 100

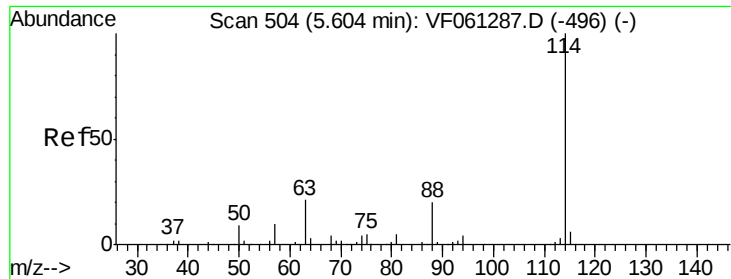
67 0.0 0.0 98.2



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: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampleId :

SP-1-1

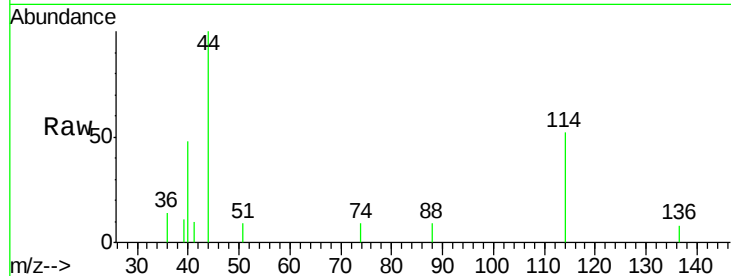
Tot Ion:114 Resp: 1758

Ion Ratio Lower Upper

114 100

63 0.0 0.0 42.8

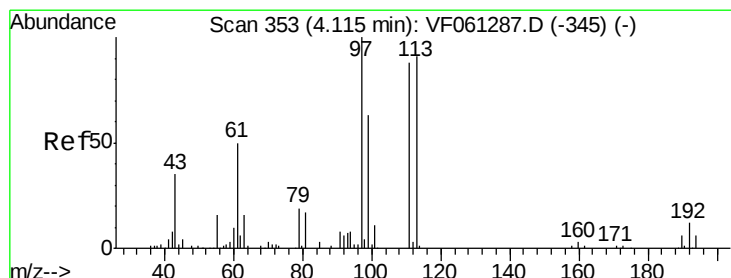
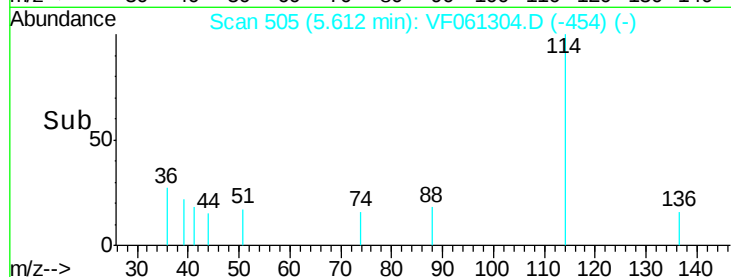
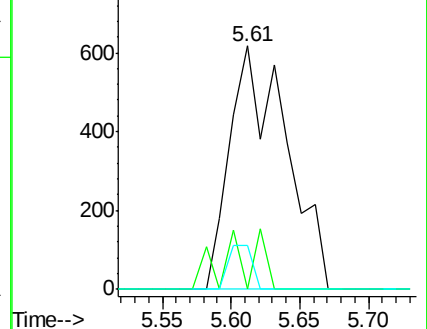
88 17.8 0.0 40.0



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: 16.429 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

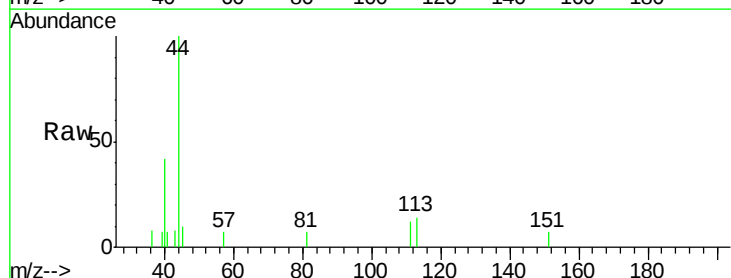
Tgt Ion:113 Resp: 221

Ion Ratio Lower Upper

113 100

111 85.6 78.0 117.0

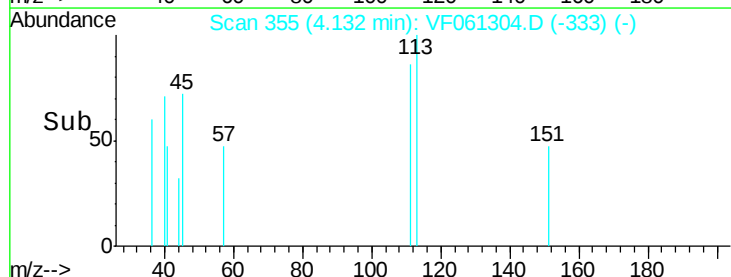
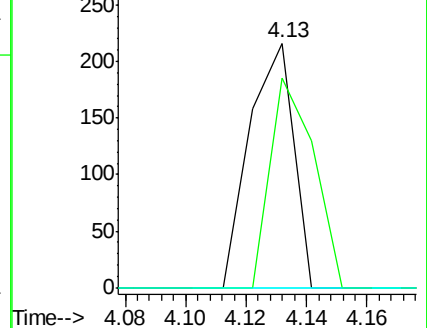
192 0.0 10.6 16.0#

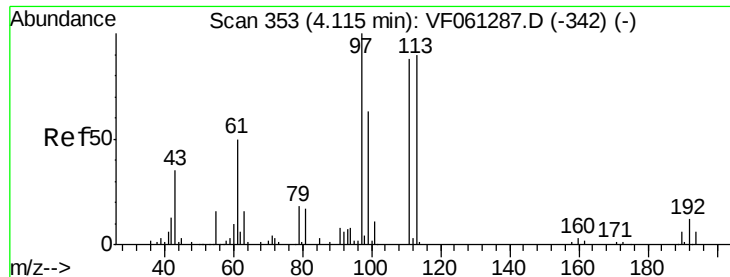


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

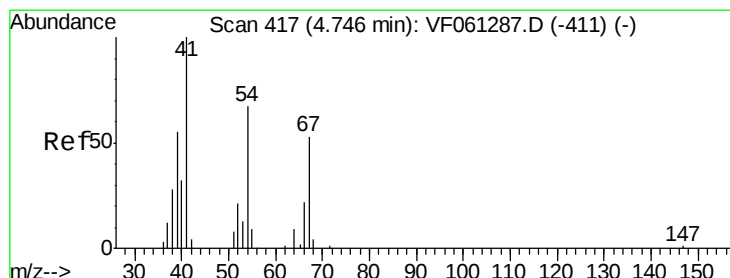
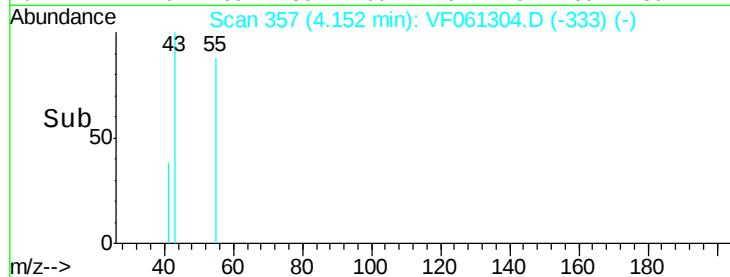
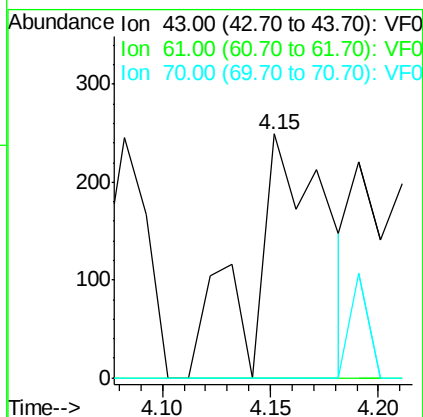
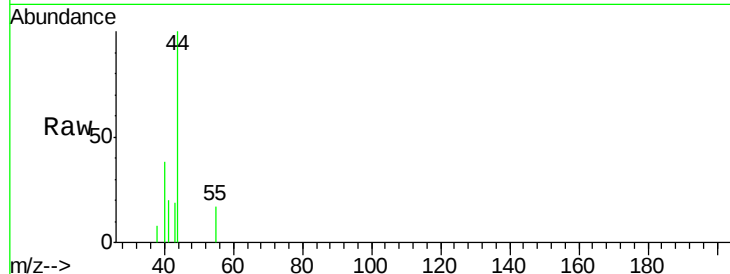




#37
Ethyl Acetate
Concen: 79.187 ug/l
RT: 4.15 min Scan# 357
Delta R.T. 0.04 min
Lab File: VF061304.D
Acq: 9 Jan 2019 16:40

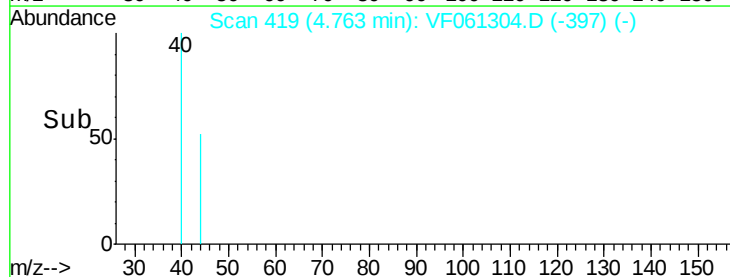
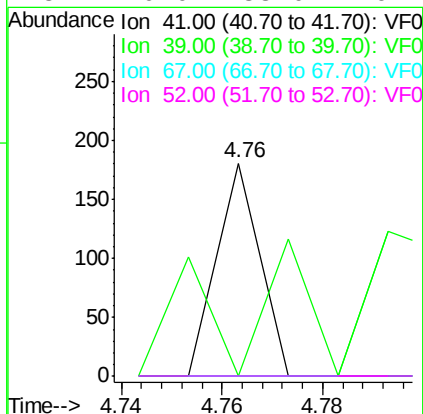
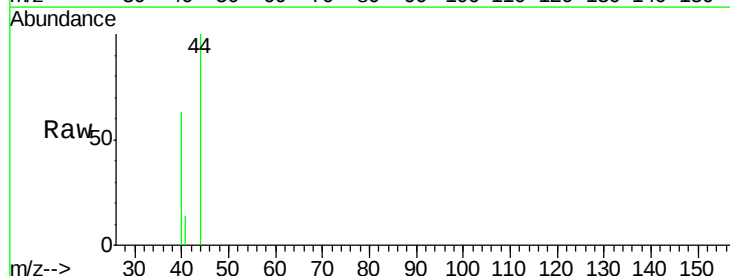
Instrument :
MSVOA_F
ClientSampled :
SP-1-1

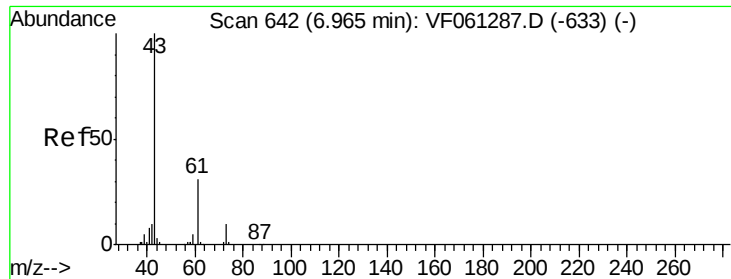
Tot Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
61 0.0 113.3 169.9#
70 0.0 9.4 14.0#



#41
Methacrylonitrile
Concen: 25.630 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.02 min
Lab File: VF061304.D
Acq: 9 Jan 2019 16:40

Tgt Ion: 41 Resp: 107
Ion Ratio Lower Upper
41 100
39 0.0 52.7 79.1#
67 0.0 41.4 62.2#
52 0.0 33.0 49.4#



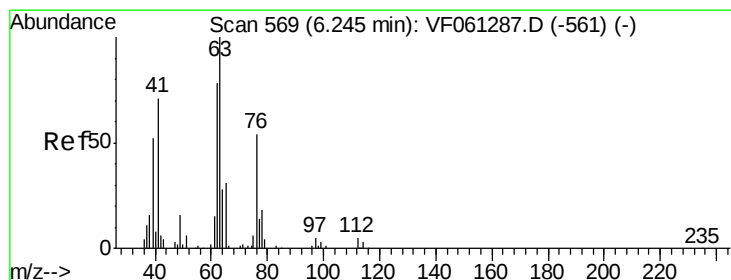
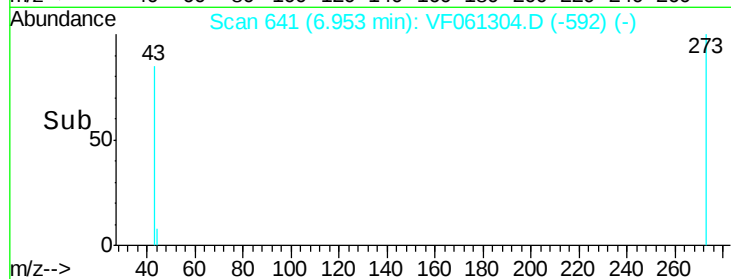
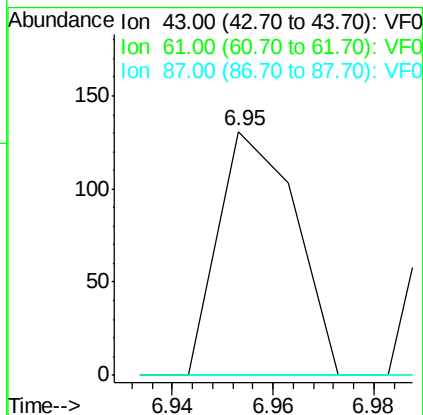
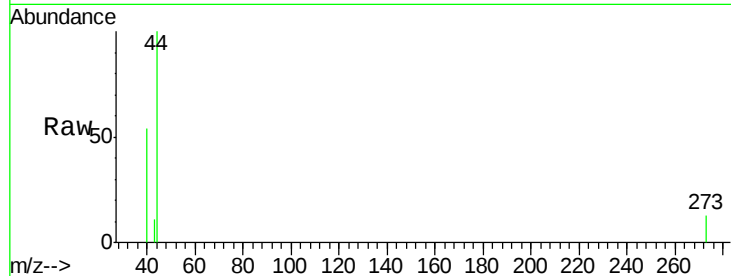


#43

Isopropyl Acetate
 Concen: 14.083 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: VF061304.D
 Acq: 9 Jan 2019 16:40

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-1

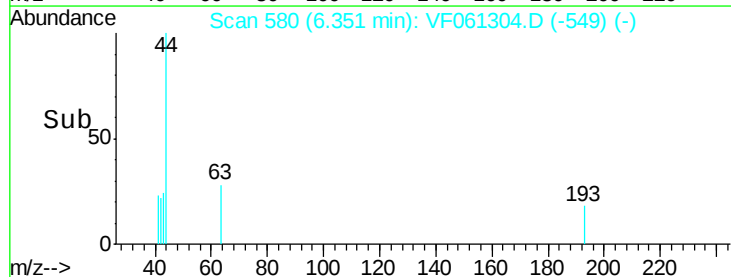
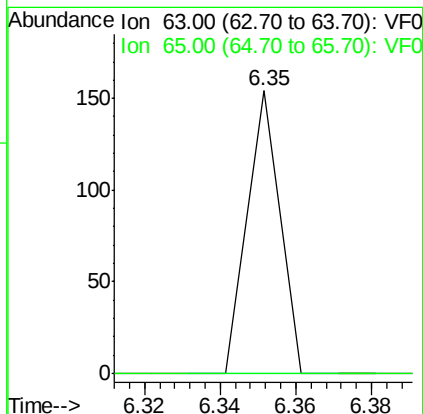
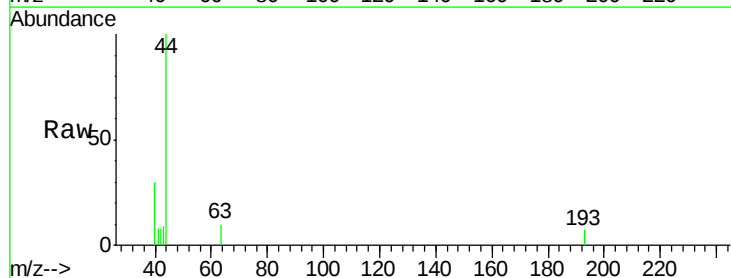
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.3	36.5#
87	0.0	0.2	0.4#

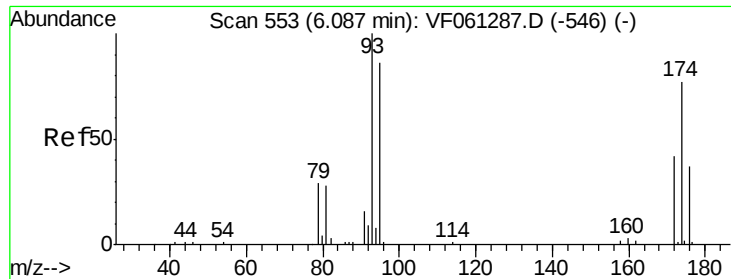


#45

1,2-Dichloropropane
 Concen: 7.466 ug/l
 RT: 6.35 min Scan# 580
 Delta R.T. 0.11 min
 Lab File: VF061304.D
 Acq: 9 Jan 2019 16:40

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.1	37.7#





#46

Dibromomethane

Concen: 8.018 ug/l

RT: 6.05 min Scan# 549

Delta R.T. -0.04 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

SP-1-1

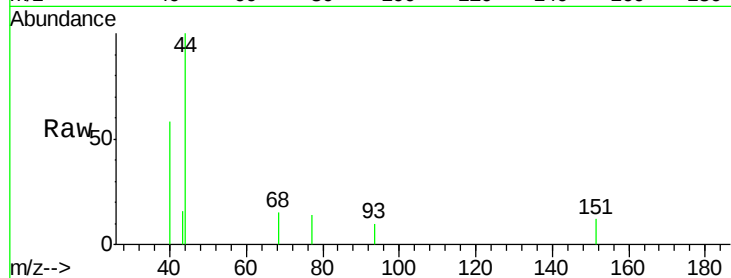
Tot Ion: 93 Resp: 60

Ion Ratio Lower Upper

93 100

95 0.0 68.8 103.2#

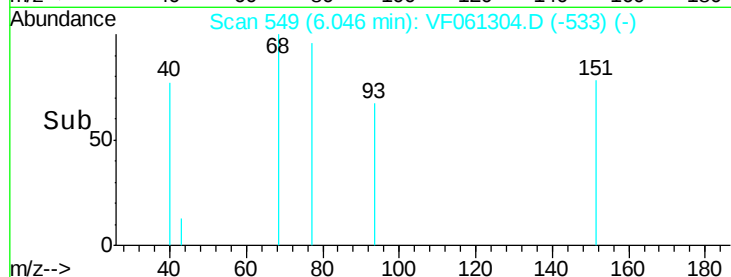
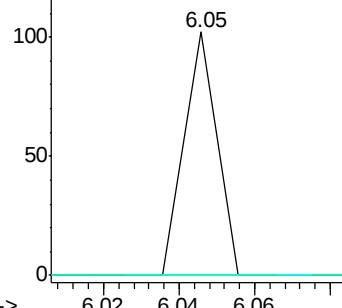
174 0.0 62.9 94.3#



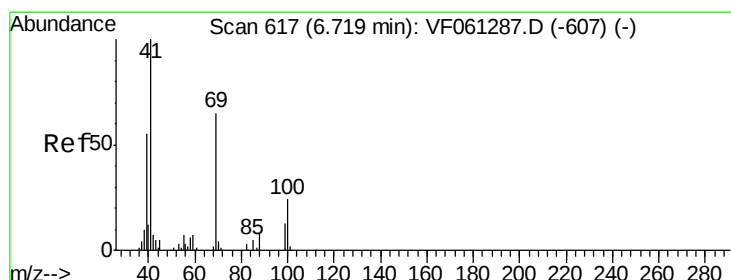
Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



Time-->



#48

Methyl methacrylate

Concen: 24.974 ug/l

RT: 6.77 min Scan# 622

Delta R.T. 0.05 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

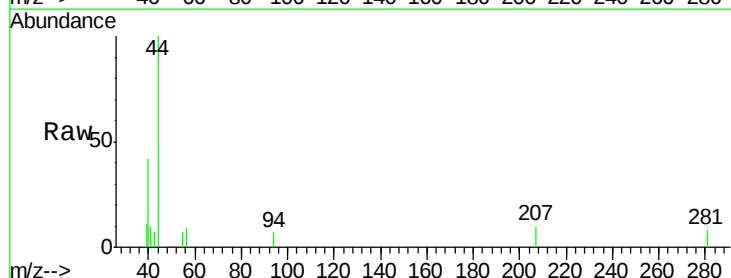
Tgt Ion: 41 Resp: 160

Ion Ratio Lower Upper

41 100

69 0.0 51.5 77.3#

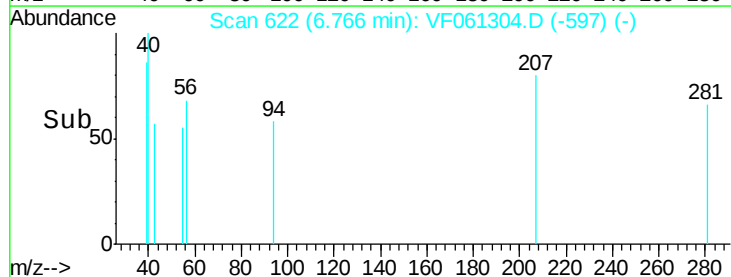
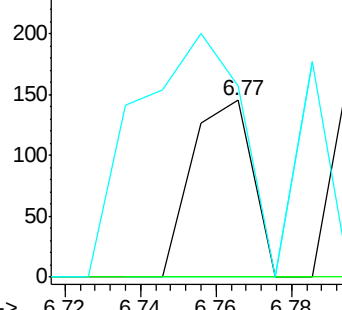
39 108.3 44.1 66.1#



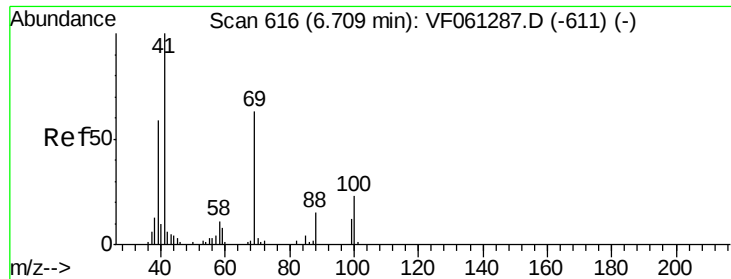
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->



#49

1,4-Dioxane

Concen: 1484.245 ug/l

RT: 6.75 min Scan# 620

Delta R.T. 0.04 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :
MSVOA_F
ClientSampled :
SP-1-1

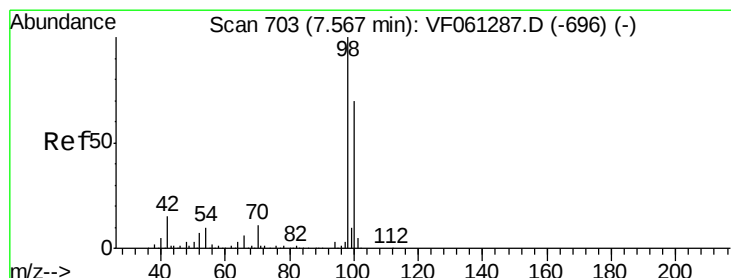
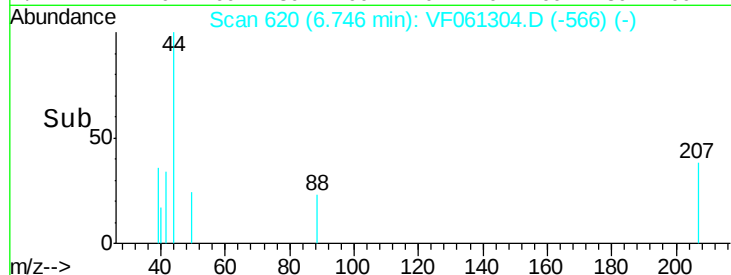
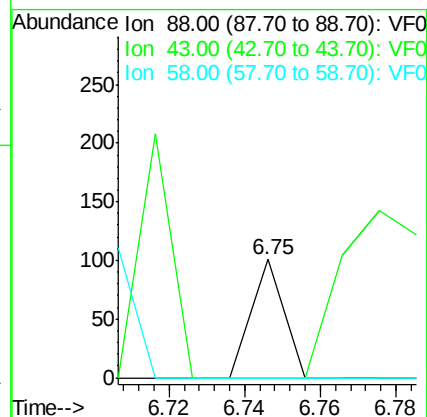
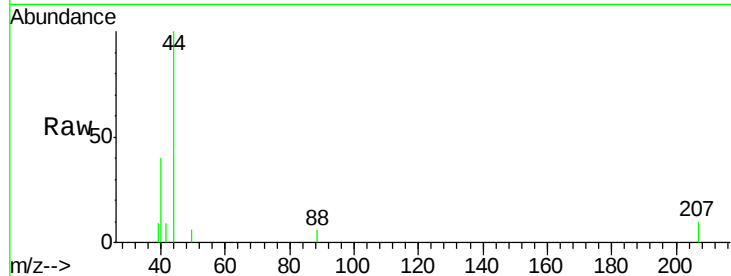
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 38.5 57.7#

58 0.0 57.0 85.4#



#50

Toluene-d8

Concen: 42.305 ug/l

RT: 7.58 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF061304.D

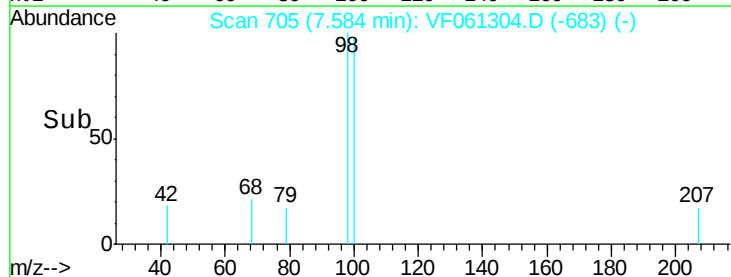
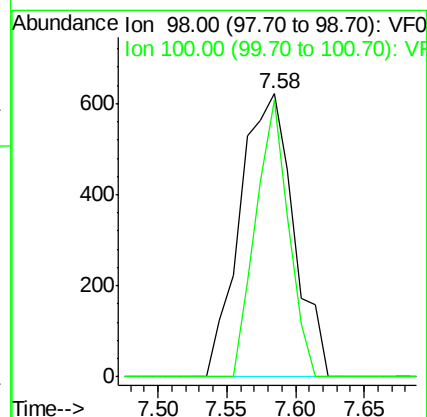
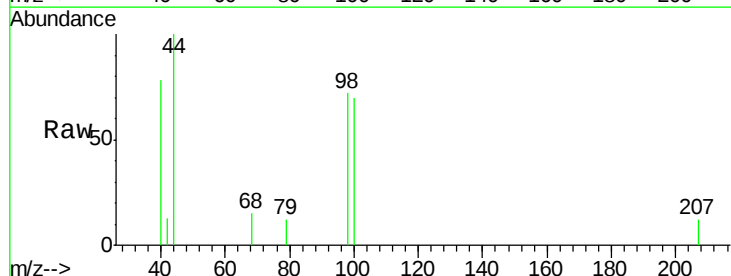
Acq: 9 Jan 2019 16:40

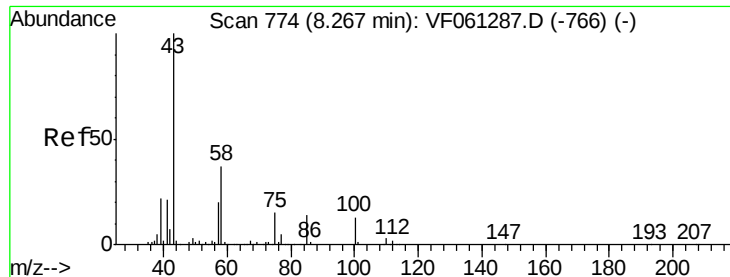
Tgt Ion: 98 Resp: 1684

Ion Ratio Lower Upper

98 100

100 97.9 55.6 83.4#





#51

4-Methyl-2-Pentanone

Concen: 17.987 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

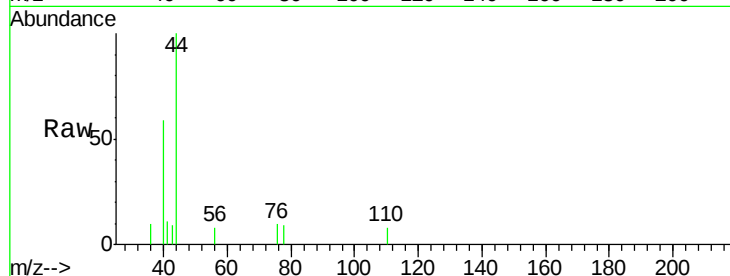
SP-1-1

Tot Ion: 43 Resp: 134

Ion Ratio Lower Upper

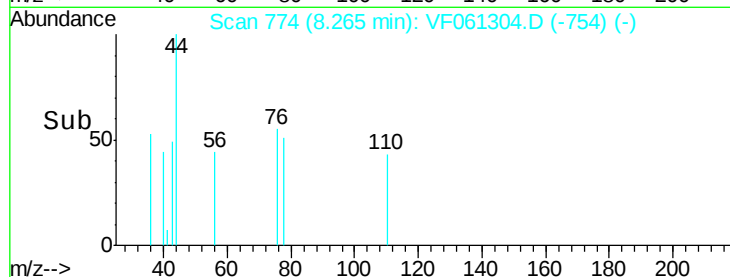
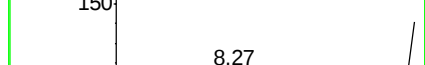
43 100

58 0.0 29.6 44.4#

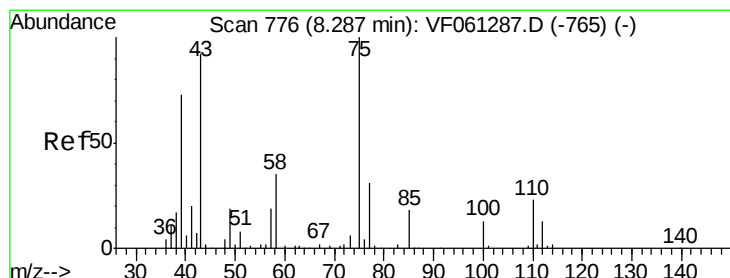


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#53

t-1,3-Dichloropropene

Concen: 5.268 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF061304.D

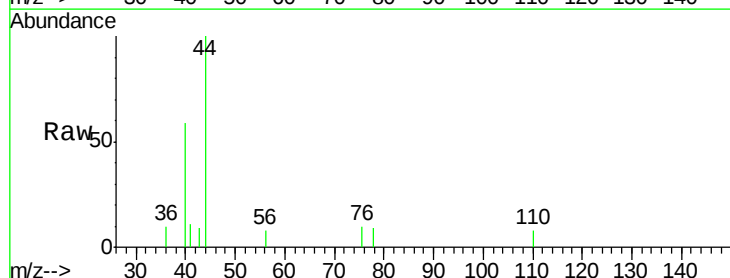
Acq: 9 Jan 2019 16:40

Tgt Ion: 75 Resp: 77

Ion Ratio Lower Upper

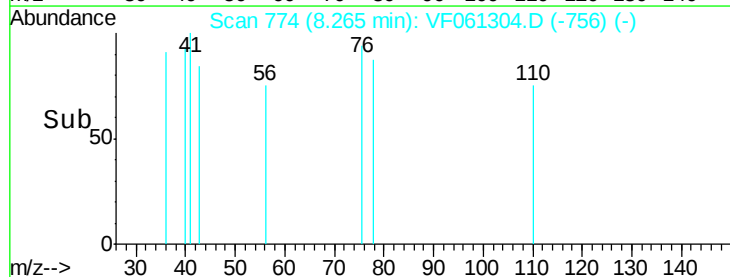
75 100

77 0.0 24.7 37.1#

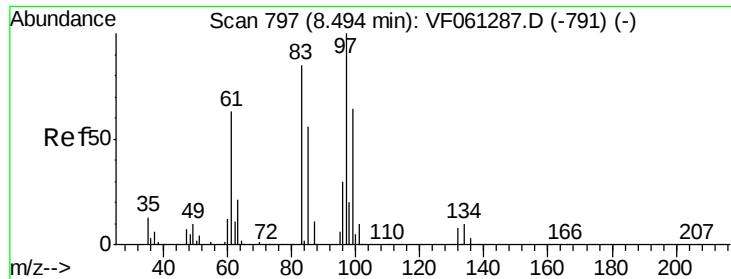


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#55

1,1,2-Trichloroethane

Concen: 6.960 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.12 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampleId :

SP-1-1

Tot Ion: 97 Resp: 60

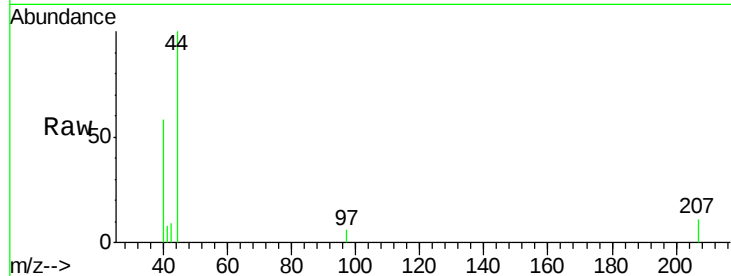
Ion Ratio Lower Upper

97 100

83 0.0 67.8 101.6#

85 0.0 45.1 67.7#

99 0.0 51.0 76.6#

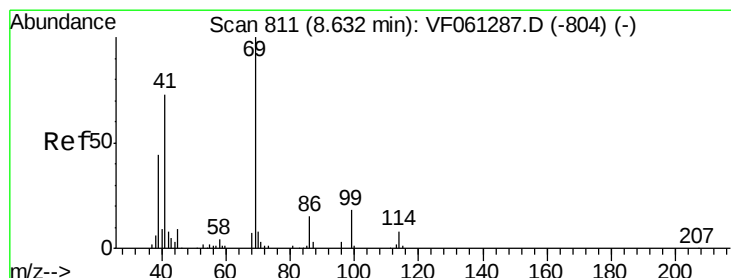
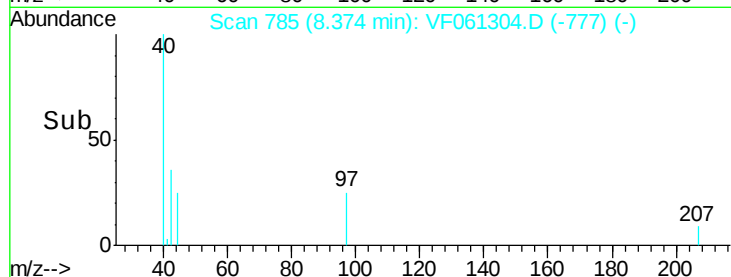
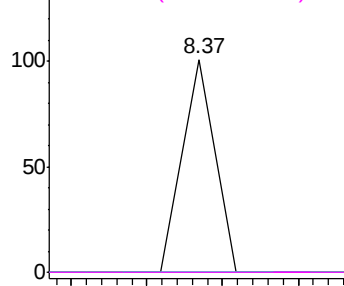


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 6.124 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.03 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

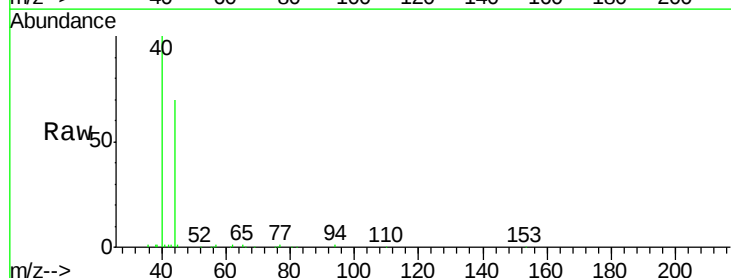
Tgt Ion: 69 Resp: 59

Ion Ratio Lower Upper

69 100

41 472.0 59.0 88.4#

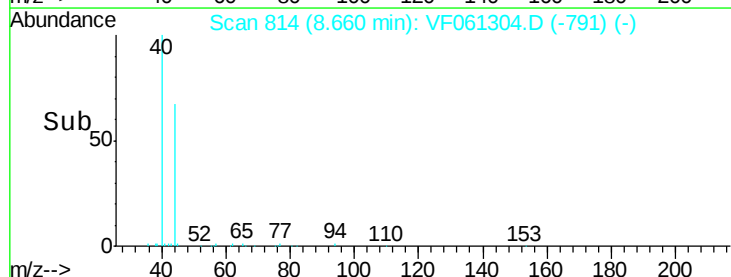
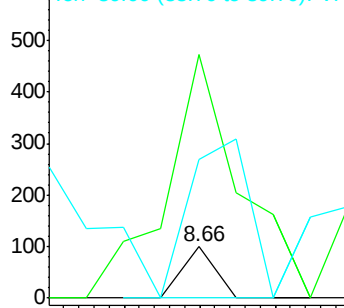
39 270.0 35.3 52.9#

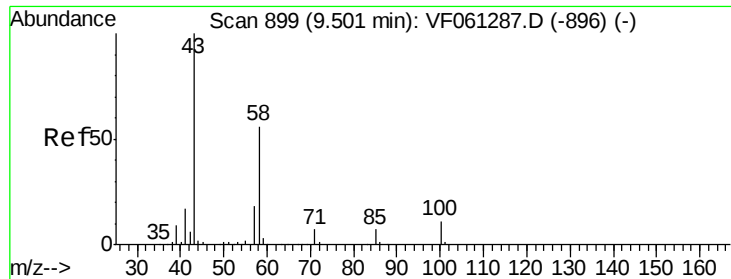


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

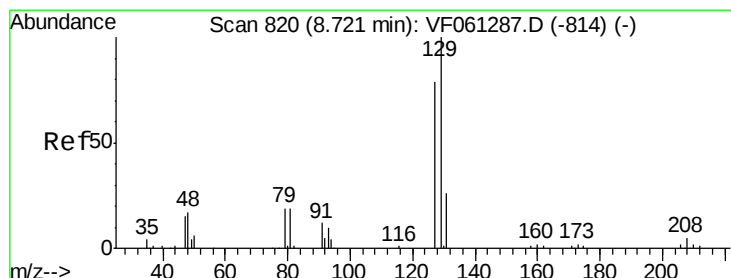
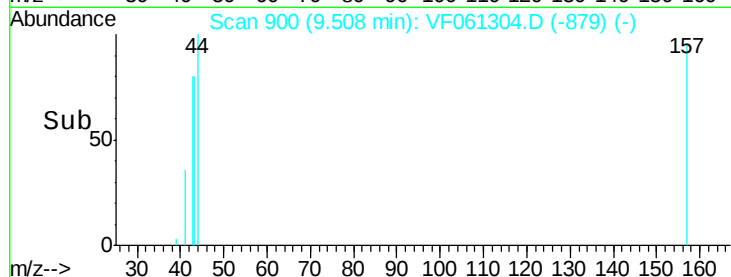
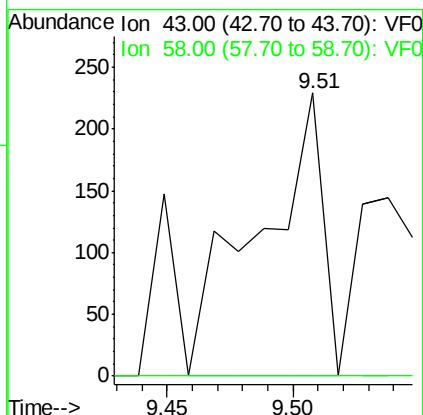
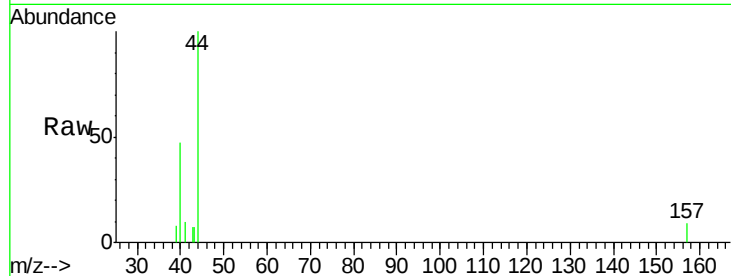




#59
2-Hexanone
Concen: 76.735 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061304.D
Acq: 9 Jan 2019 16:40

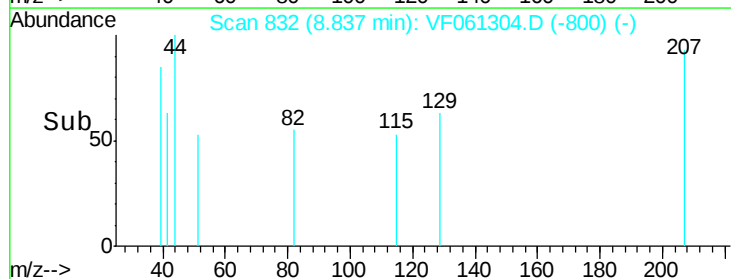
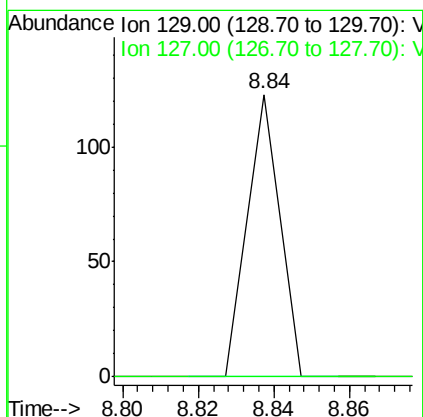
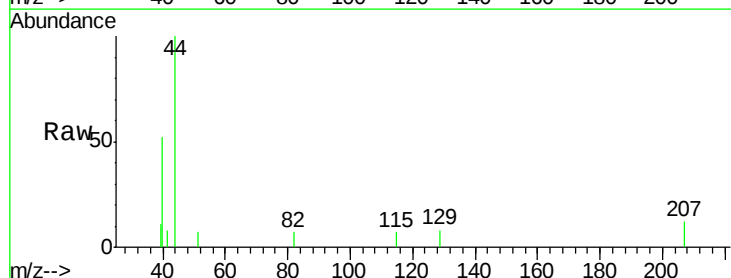
Instrument :
MSVOA_F
ClientSampled :
SP-1-1

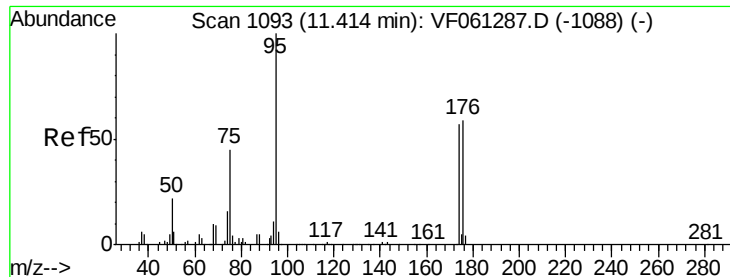
Tot Ion: 43 Resp: 405
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.8#



#60
Dibromochloromethane
Concen: 6.359 ug/l
RT: 8.84 min Scan# 832
Delta R.T. 0.12 min
Lab File: VF061304.D
Acq: 9 Jan 2019 16:40

Tgt Ion: 129 Resp: 73
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.1#





#62

4-Bromofluorobenzene

Concen: 16.741 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

Instrument :

MSVOA_F

ClientSampled :

SP-1-1

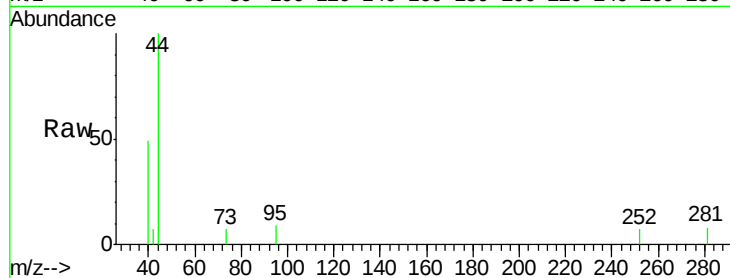
Tot Ion: 95 Resp: 291

Ion Ratio Lower Upper

95 100

174 0.0 0.0 114.2

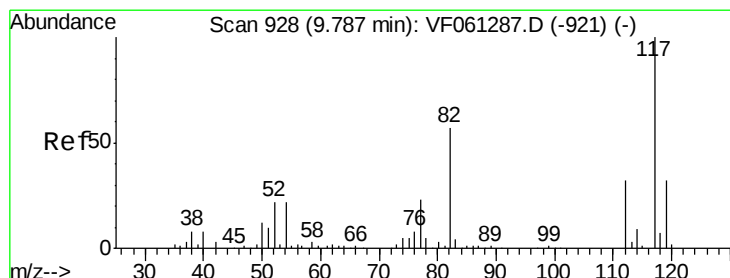
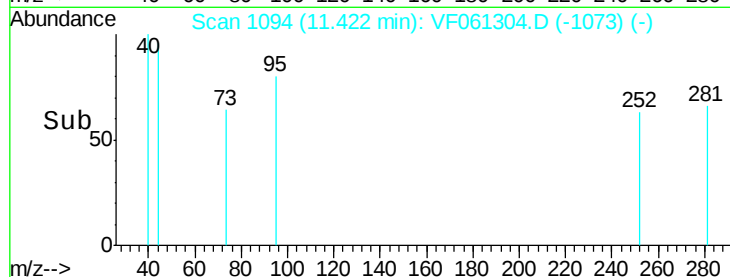
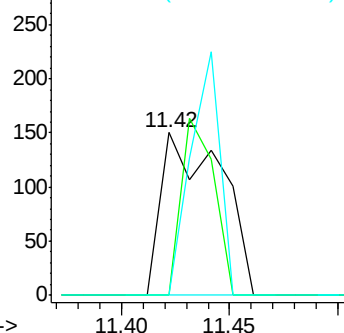
176 0.0 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061304.D

Acq: 9 Jan 2019 16:40

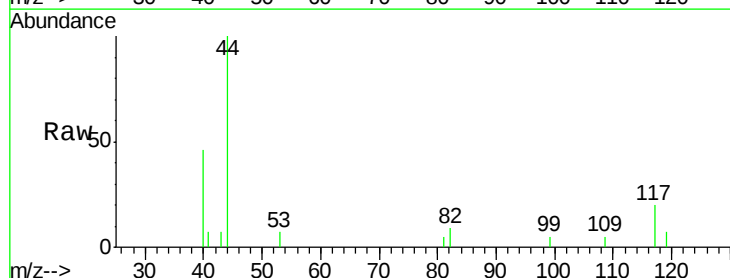
Tgt Ion: 117 Resp: 920

Ion Ratio Lower Upper

117 100

82 43.1 45.3 67.9#

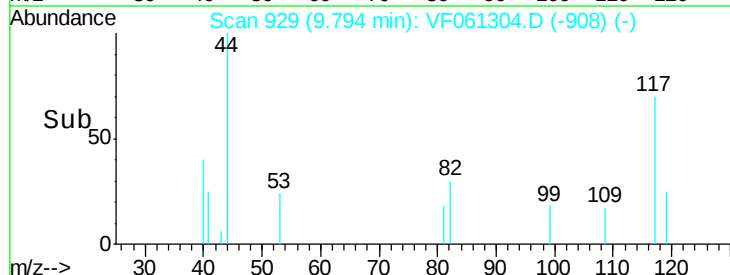
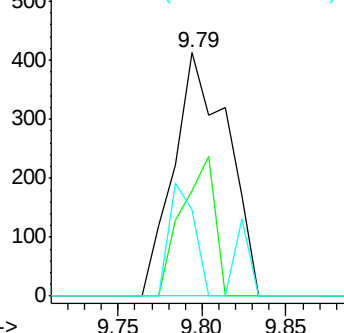
119 35.6 25.4 38.0

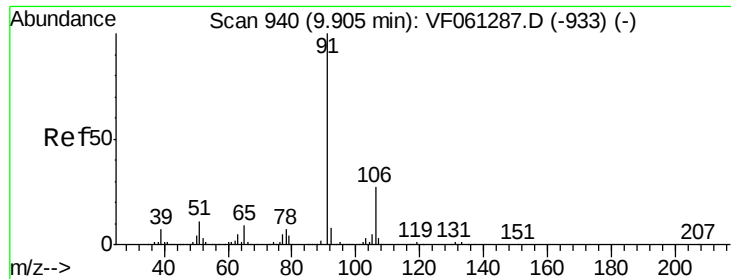


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

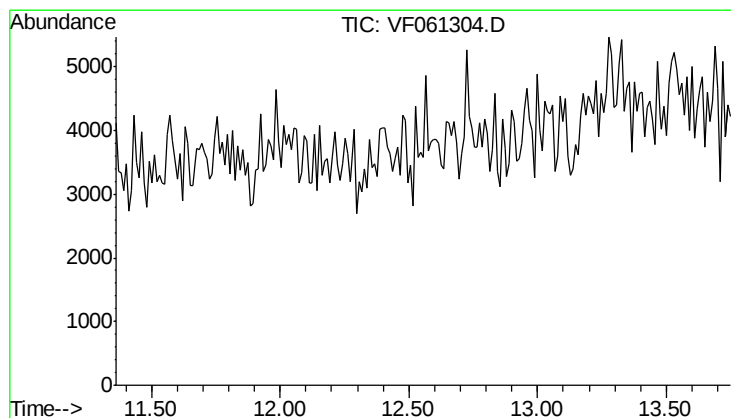
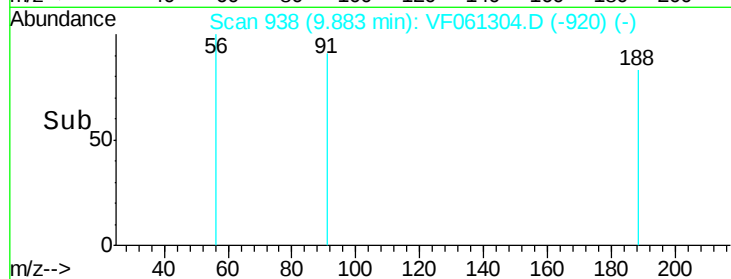
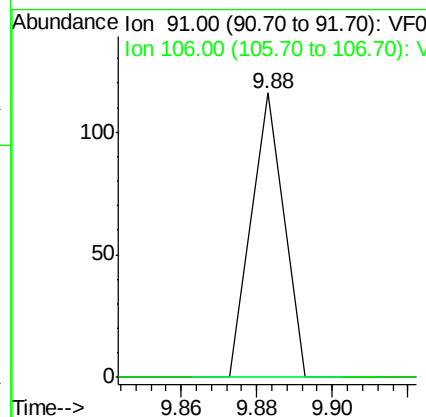
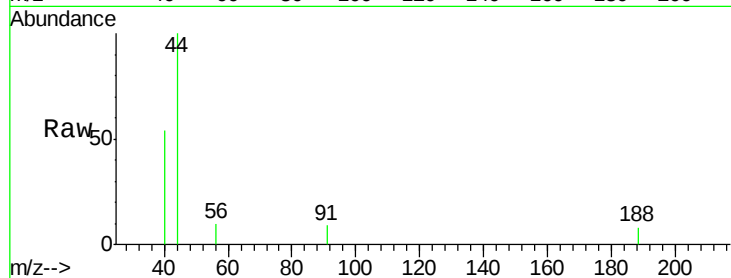




#67
 Ethvl Benzene
 Concen: 1.926 ug/l
 RT: 9.88 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: VF061304.D
 Acq: 9 Jan 2019 16:40

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-1

Tot Ion: 91 Resp: 69
 Ion Ratio Lower Upper
 91 100
 106 0.0 21.4 32.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.56 min

Lab File: VF061304.D
 Acq: 9 Jan 2019 16:40

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 115 59.3
 150 157.7

