

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061997.D
 Acq On : 18 Mar 2019 15:05
 Operator : VA/AP
 Sample : K1933-03RE
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 19 01:22:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	263	50.00	ug/l	0.00
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.77
72) 1,4-Dichlorobenzene-d4	12.65	152	63	50.00	ug/l	0.10

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.55	98	161	31.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.36%	
62) 4-Bromofluorobenzene	11.40	95	211	102.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	111	47.329	ug/l #	37
3) Chloromethane	1.08	50	67	28.112	ug/l #	46
5) Bromomethane	1.32	94	567	350.156	ug/l #	3
6) Chloroethane	1.37	64	74	62.188	ug/l #	20
8) Diethyl Ether	1.59	74	142	209.169	ug/l	61
9) 1,1,2-Trichlorotrifluoroet	1.93	101	64	29.746	ug/l #	18
12) 1,1-Dichloroethene	1.77	96	67	36.083	ug/l #	1
13) Acrolein	1.96	56	663	6337.738	ug/l #	1
14) Allyl chloride	2.13	41	573	241.753	ug/l #	17
15) Acrylonitrile	2.90	53	110	373.283	ug/l #	18
16) Acetone	2.27	43	979	2752.982	ug/l	90
17) Carbon Disulfide	1.95	76	80	14.898	ug/l #	76
18) Methyl Acetate	2.39	43	1676	2303.676	ug/l #	63
19) Methyl tert-butyl Ether	2.38	73	63	18.725	ug/l #	58
20) Methylene Chloride	2.12	84	63	34.411	ug/l #	1
21) trans-1,2-Dichloroethene	2.30	96	64	33.029	ug/l #	1
22) Diisopropyl ether	2.80	45	549	96.297	ug/l #	1
23) Vinyl Acetate	3.19	43	616	274.089	ug/l #	77
24) 1,1-Dichloroethane	2.86	63	64	19.306	ug/l #	86
25) 2-Butanone	4.36	43	168	238.541	ug/l #	51
26) 2,2-Dichloropropane	3.62	77	73	46.686	ug/l #	54
27) cis-1,2-Dichloroethene	3.43	96	108	44.221	ug/l	1
28) Bromochloromethane	3.75	49	60	43.620	ug/l #	7
29) Tetrahydrofuran	4.09	42	304	992.528	ug/l #	33
30) Chloroform	3.73	83	64	17.040	ug/l #	15
31) Cyclohexane	3.75	56	76	23.400	ug/l #	3
32) 1,1,1-Trichloroethane	4.07	97	63	25.257	ug/l #	23
37) Ethyl Acetate	4.12	43	144	135.033	ug/l #	19
41) Methacrylonitrile	4.77	41	273	479.153	ug/l #	22
43) Isopropyl Acetate	6.99	43	202	160.098	ug/l #	38
48) Methyl methacrylate	6.75	41	293	359.312	ug/l #	20
49) 1,4-Dioxane	6.24	88	73	10064.226	ug/l #	15
51) 4-Methyl-2-Pentanone	8.25	43	186	207.596	ug/l #	36
59) 2-Hexanone	9.45	43	321	495.050	ug/l #	23

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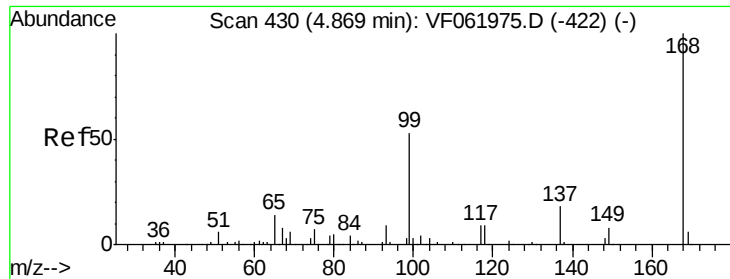
Instrument :
 MSVOA_F
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Quant Time: Mar 19 01:22:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Isopropylbenzene	10.96	105	92	21.138	ug/l #	47
74) N-amyl acetate	11.38	43	178	178.483	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.68	83	204	283.958	ug/l #	22
78) n-propylbenzene	11.57	91	97	19.382	ug/l #	52
79) 2-Chlorotoluene	11.73	91	87	30.798	ug/l #	38
82) 4-Chlorotoluene	11.97	91	64	22.404	ug/l #	39
83) tert-Butylbenzene	12.23	119	162	44.059	ug/l #	32
84) 1,2,4-Trimethylbenzene	12.21	105	171	48.558	ug/l #	26
85) sec-Butylbenzene	12.32	105	82	16.506	ug/l #	57
86) p-Isopropyltoluene	12.44	119	1012	244.131	ug/l #	55
89) n-Butylbenzene	12.84	91	538	138.118	ug/l #	60
91) 1,2-Dichlorobenzene	13.09	146	83	45.237	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.64	75	75	650.558	ug/l #	16
95) Naphthalene	14.47	128	63	27.416	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

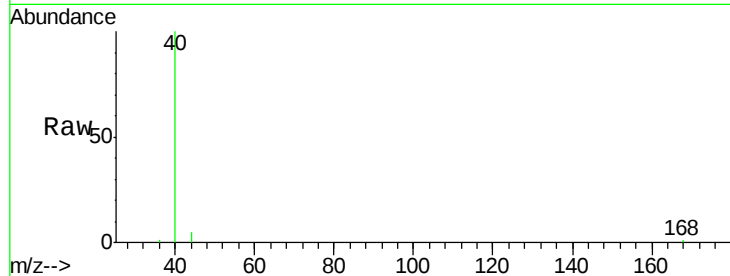
ClientSampleId :

Tot Ion:168 Resp: 220

Ion Ratio Lower Upper

168 100

99 0.0 42.4 63.6#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

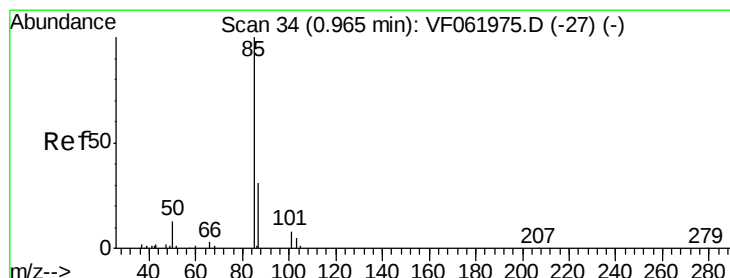
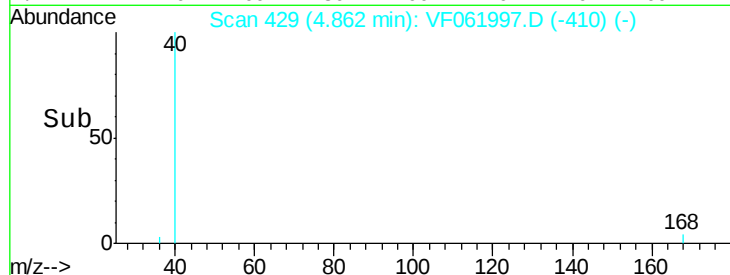
150

100

50

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.329 ug/l

RT: 1.08 min Scan# 46

Delta R.T. 0.12 min

Lab File: VF061997.D

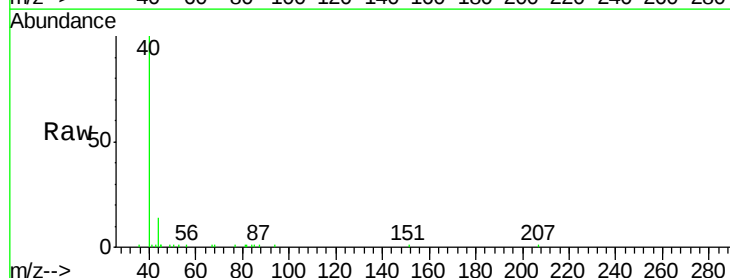
Acq: 18 Mar 2019 15:05

Tgt Ion: 85 Resp: 111

Ion Ratio Lower Upper

85 100

87 65.4 15.4 46.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

200

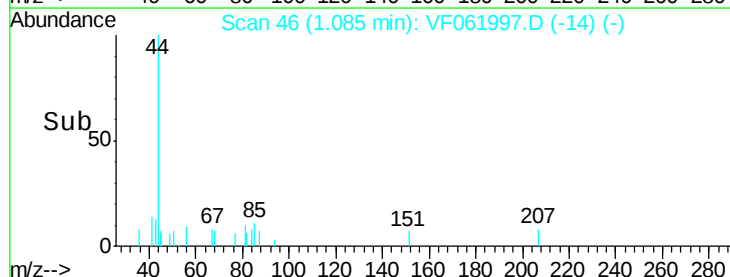
150

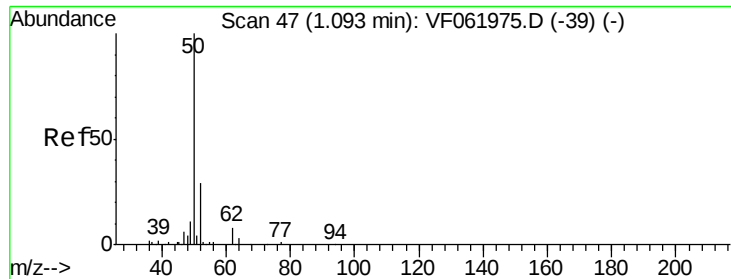
100

50

0

Time-->





#3

Chloromethane

Concen: 28.112 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

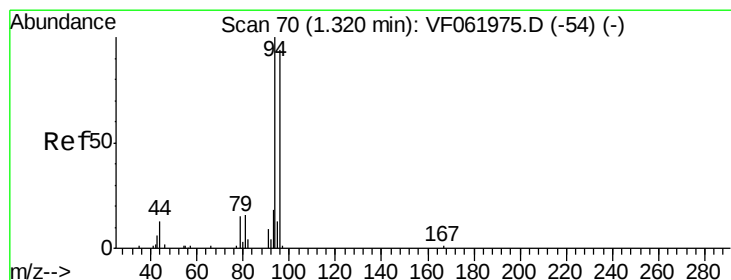
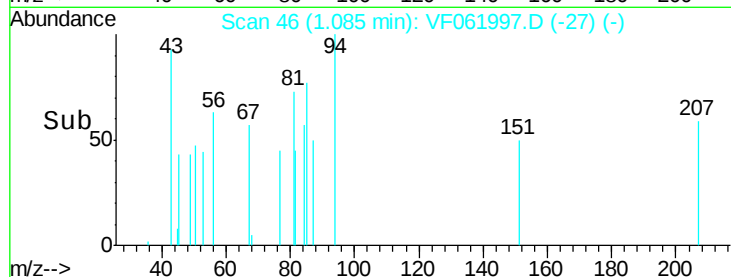
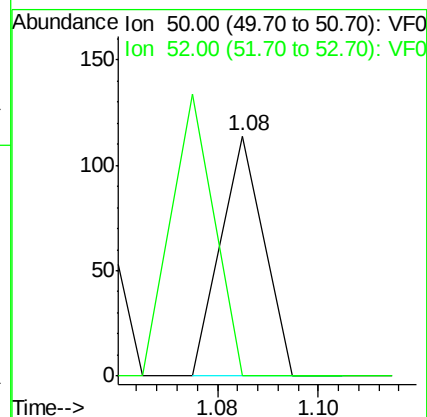
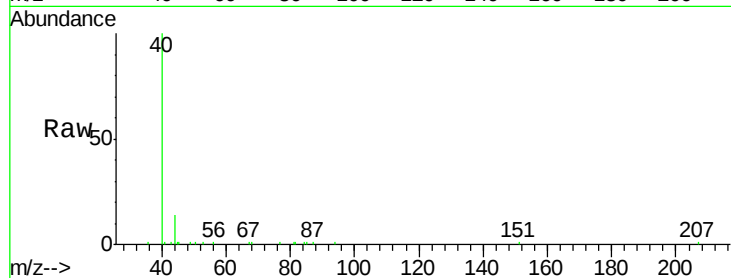
ClientSampleId :

Tot Ion: 50 Resp: 67

Ion Ratio Lower Upper

50 100

52 0.0 22.6 34.0#



#5

Bromomethane

Concen: 350.156 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061997.D

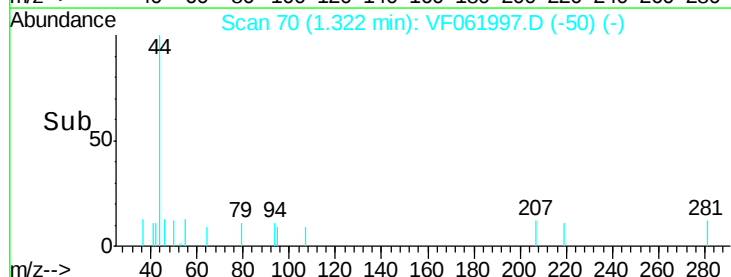
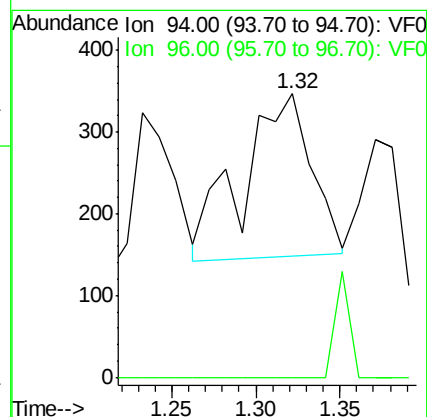
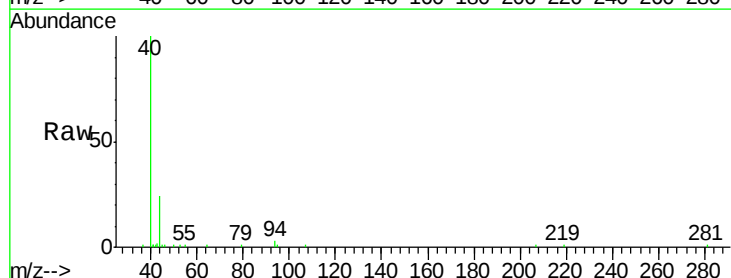
Acq: 18 Mar 2019 15:05

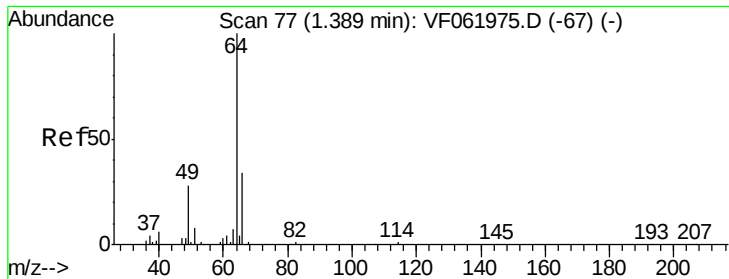
Tgt Ion: 94 Resp: 567

Ion Ratio Lower Upper

94 100

96 0.0 75.0 112.6#





#6

Chloroethane

Concen: 62.188 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

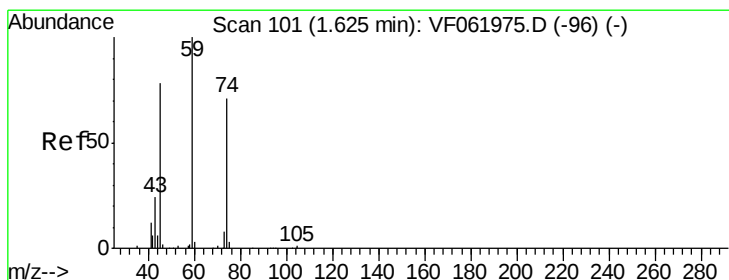
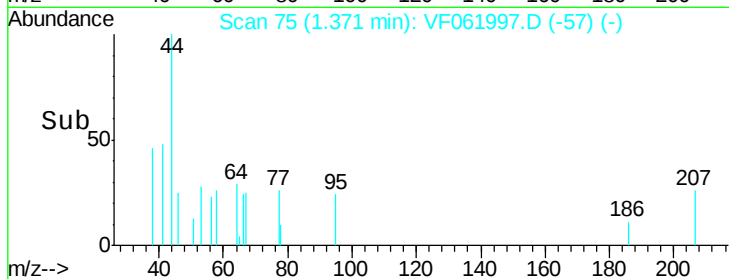
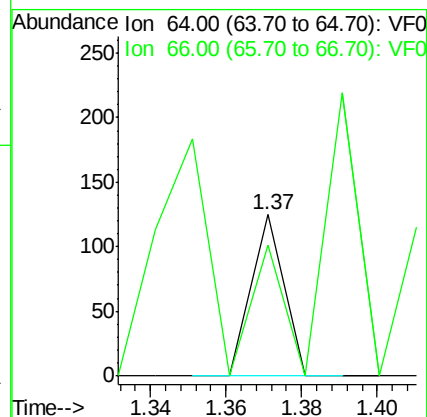
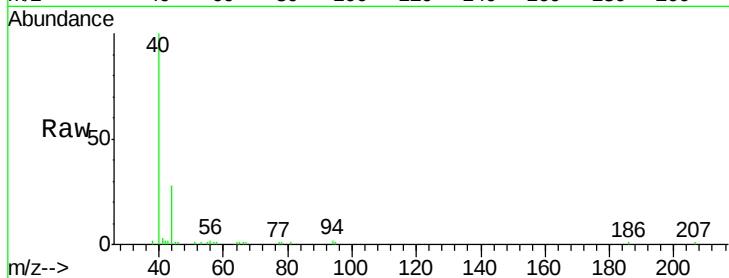
ClientSampleId :

Tot Ion: 64 Resp: 74

Ion Ratio Lower Upper

64 100

66 80.8 27.6 41.4#



#8

Diethyl Ether

Concen: 209.169 ug/l

RT: 1.59 min Scan# 97

Delta R.T. -0.04 min

Lab File: VF061997.D

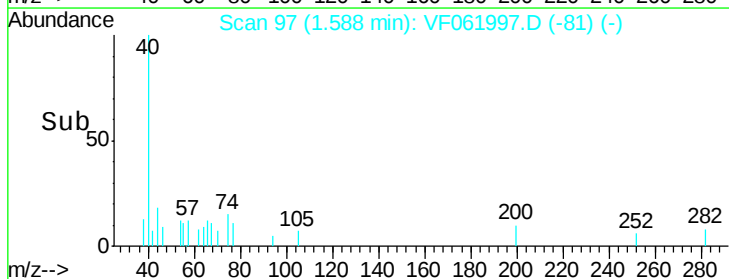
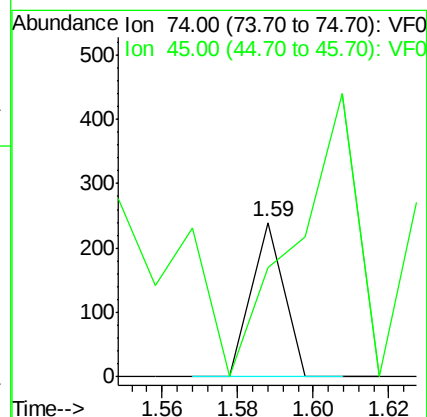
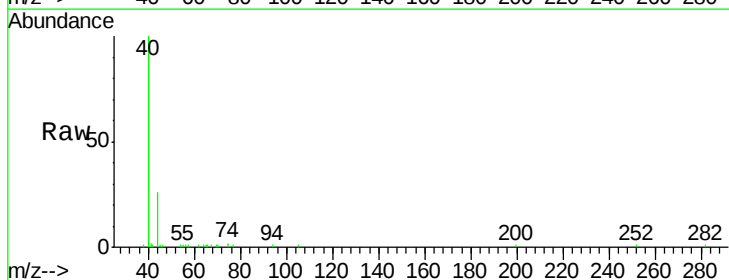
Acq: 18 Mar 2019 15:05

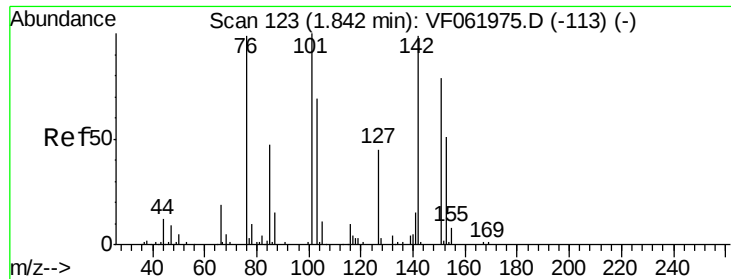
Tgt Ion: 74 Resp: 142

Ion Ratio Lower Upper

74 100

45 70.4 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 29.746 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.09 min

Lab File: VF061997.D

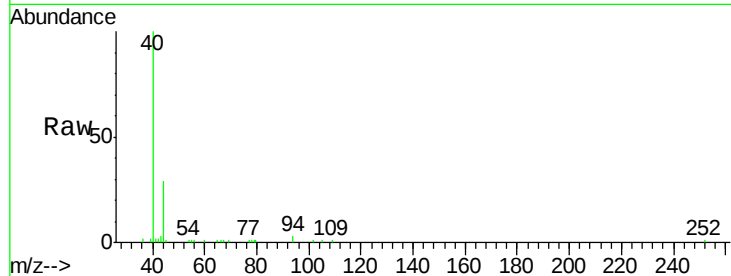
Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

ClientSampleId :

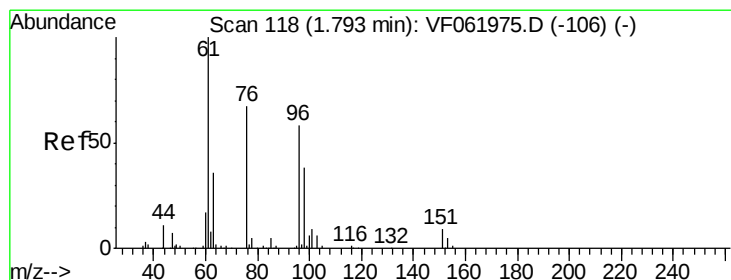
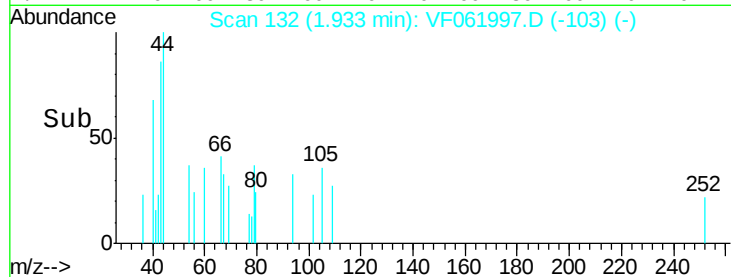
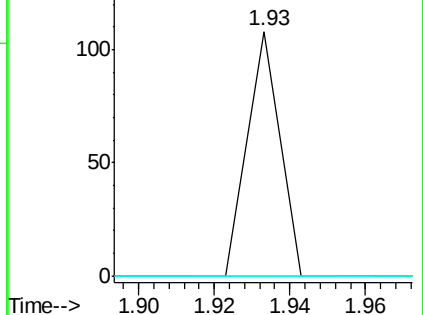
Tot Ion:	101	Resp:	64
Ion	Ratio	Lower	Upper
101	100		
85	0.0	36.8	55.2#
151	0.0	62.2	93.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 36.083 ug/l

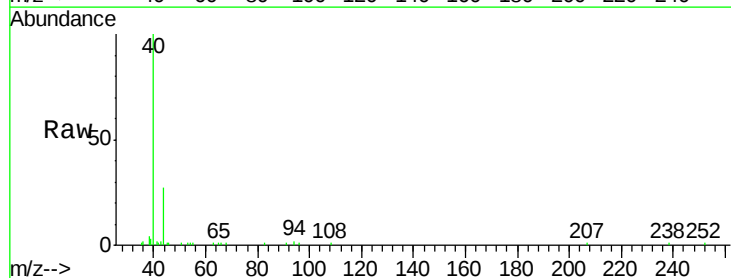
RT: 1.77 min Scan# 115

Delta R.T. -0.03 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

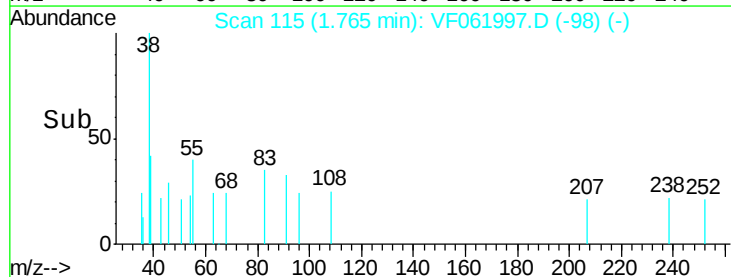
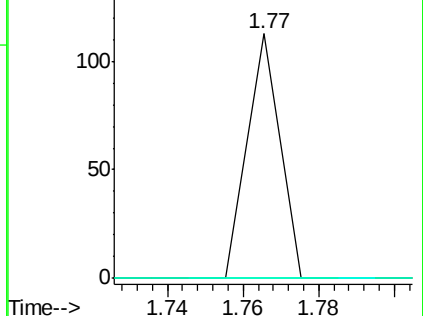
Tgt Ion:	96	Resp:	67
Ion	Ratio	Lower	Upper
96	100		
61	0.0	138.6	208.0#
98	0.0	53.2	79.8#

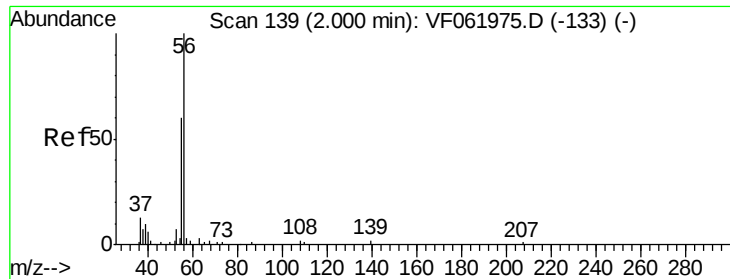


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#13

Acrolein

Concen: 6337.738 ug/l

RT: 1.96 min Scan# 135

Delta R.T. -0.04 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

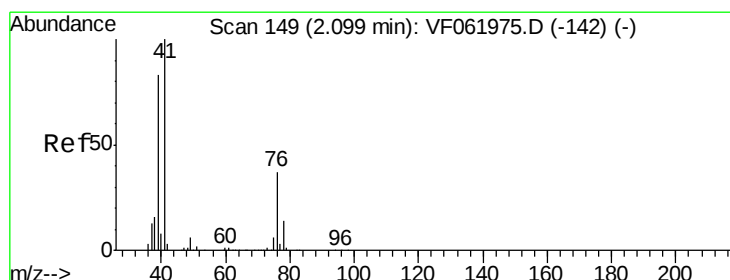
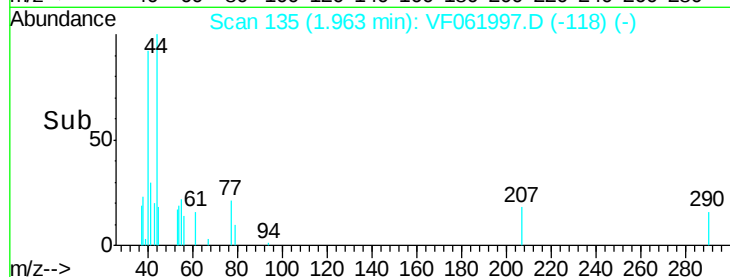
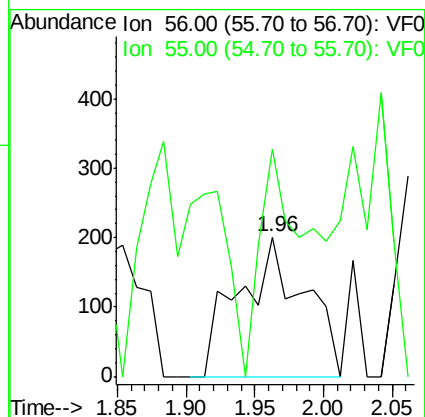
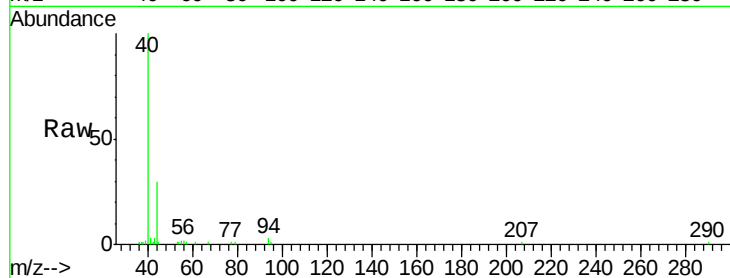
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 663

Ion Ratio Lower Upper

56 100

55 162.7 49.1 73.7#



#14

Allyl chloride

Concen: 241.753 ug/l

RT: 2.13 min Scan# 152

Delta R.T. 0.03 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

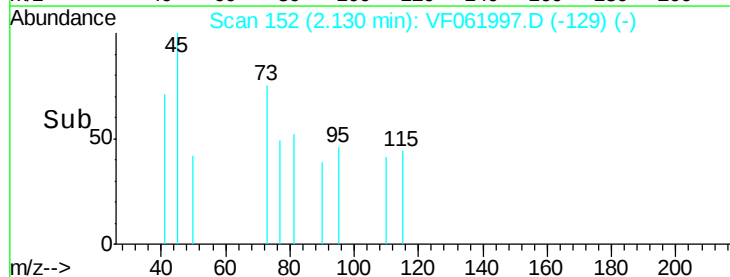
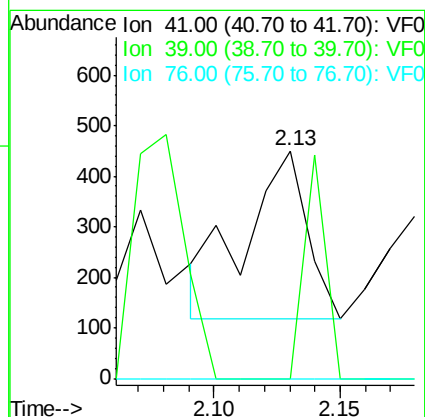
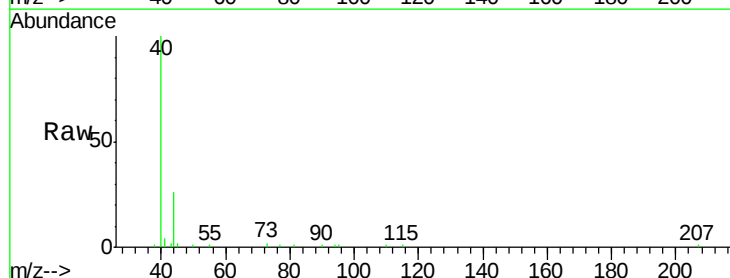
Tgt Ion: 41 Resp: 573

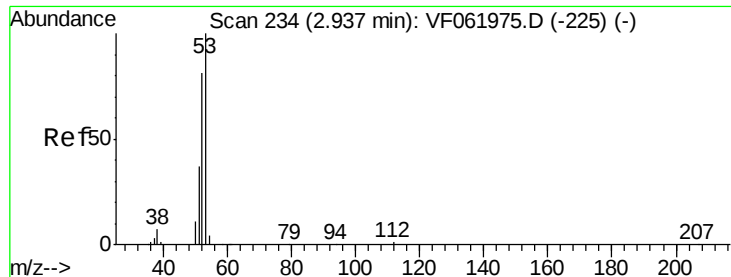
Ion Ratio Lower Upper

41 100

39 0.0 66.8 100.2#

76 0.0 31.1 46.7#





#15

Acrylonitrile

Concen: 373.283 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.04 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

ClientSampleId :

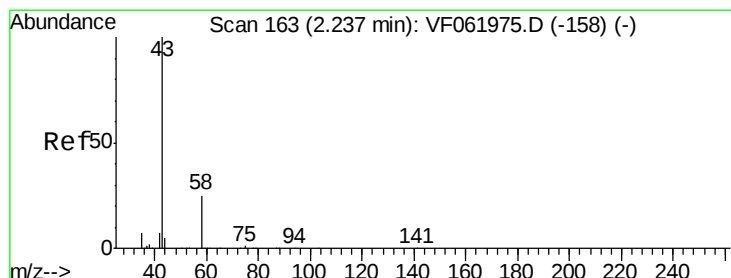
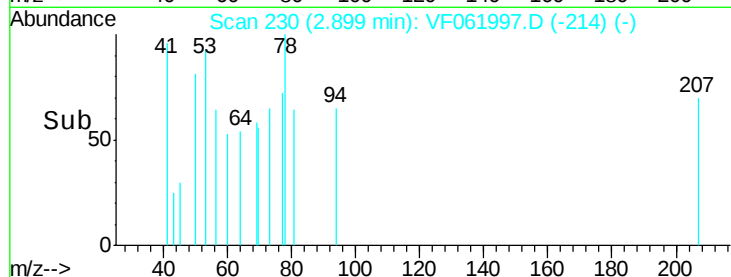
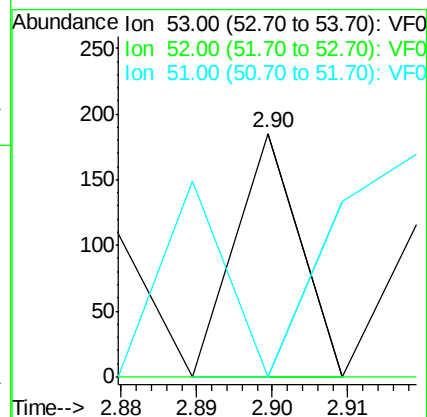
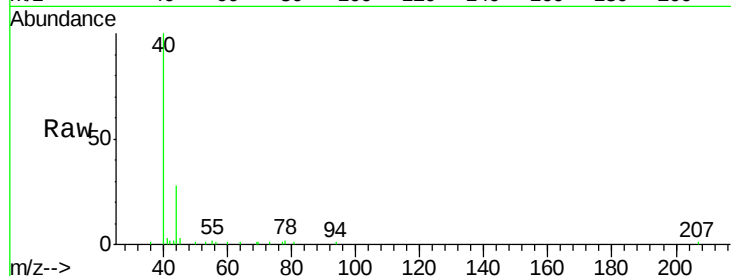
Tot Ion: 53 Resp: 110

Ion Ratio Lower Upper

53 100

52 0.0 64.4 96.6#

51 0.0 30.3 45.5#



#16

Acetone

Concen: 2752.982 ug/l

RT: 2.27 min Scan# 166

Delta R.T. 0.03 min

Lab File: VF061997.D

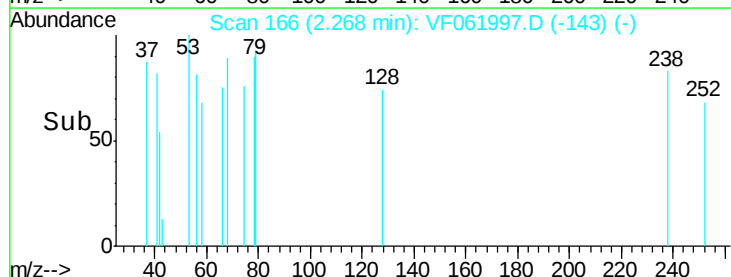
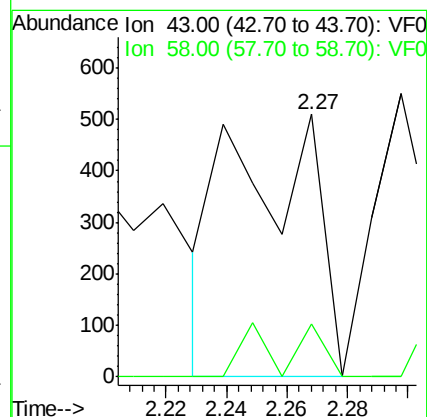
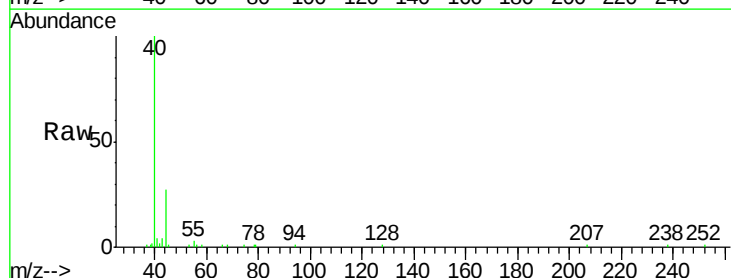
Acq: 18 Mar 2019 15:05

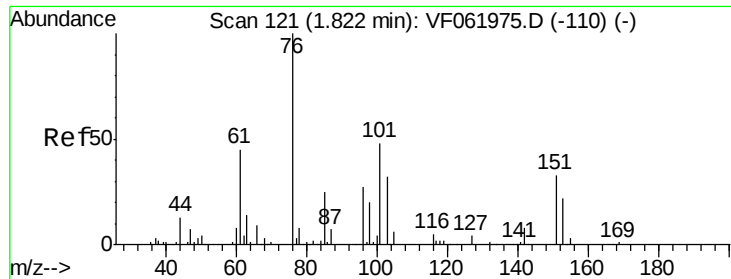
Tgt Ion: 43 Resp: 979

Ion Ratio Lower Upper

43 100

58 20.0 19.9 29.9

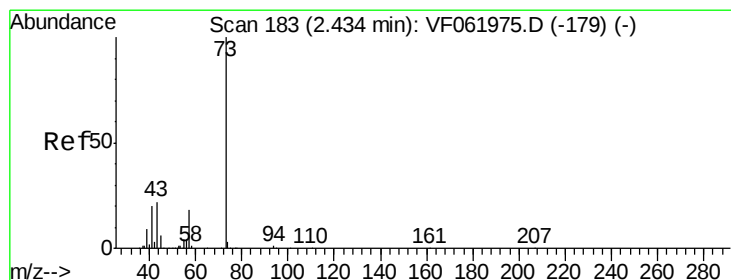
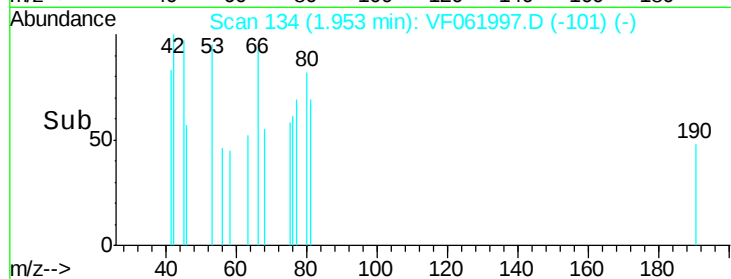
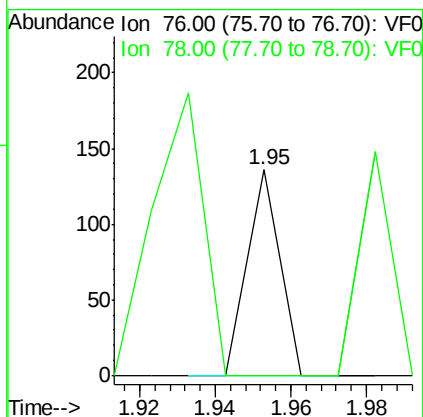
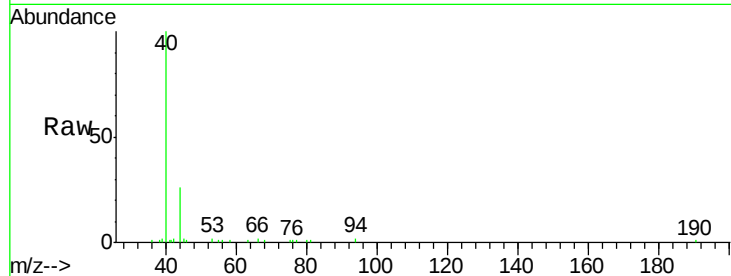




#17
Carbon Disulfide
Concen: 14.898 ug/l
RT: 1.95 min Scan# 134
Delta R.T. 0.13 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

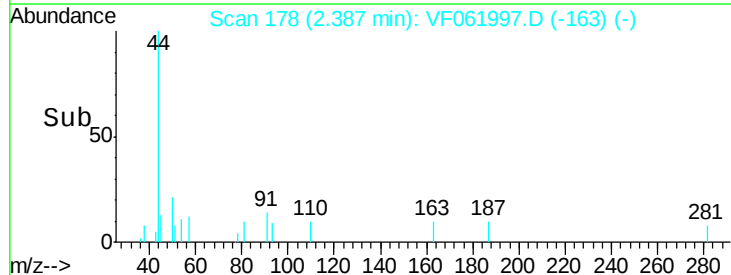
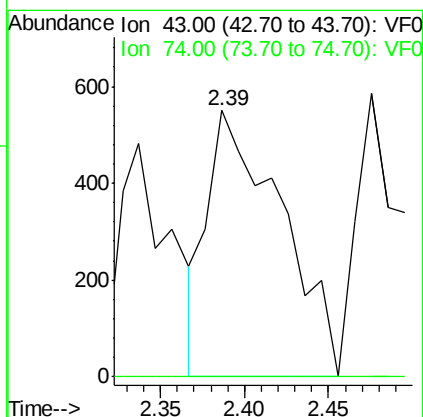
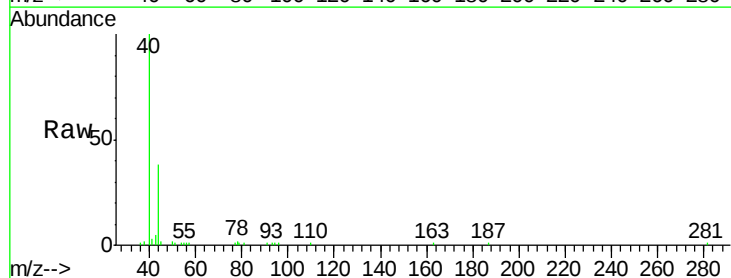
Instrument :
MSVOA_F
ClientSampleId :

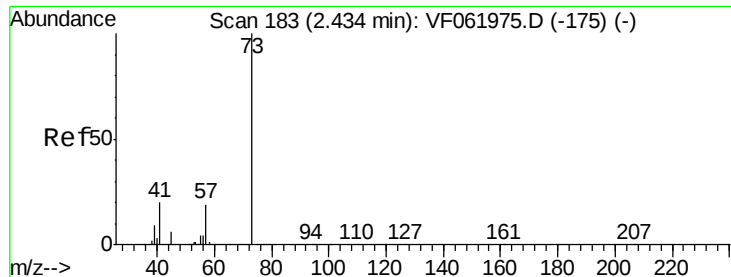
Tot Ion: 76 Resp: 80
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#18
Methyl Acetate
Concen: 2303.676 ug/l
RT: 2.39 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
74 0.0 12.6 18.8#

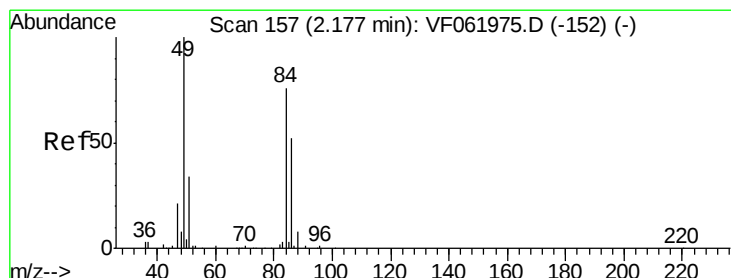
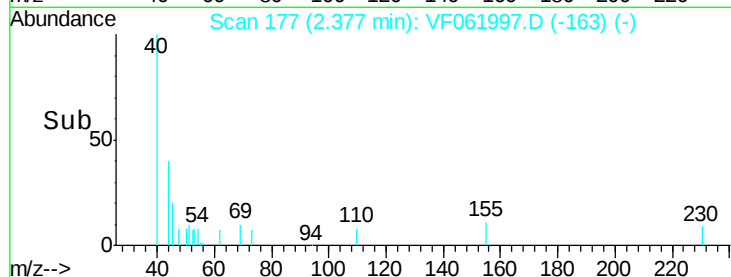
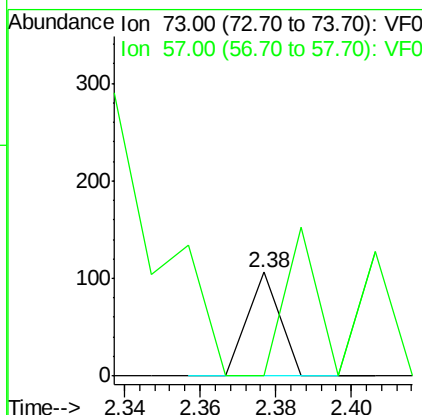
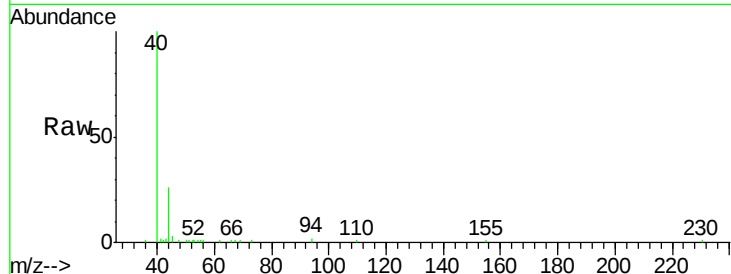




#19
Methyl tert-butyl Ether
Concen: 18.725 ug/l
RT: 2.38 min Scan# 177
Delta R.T. -0.06 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

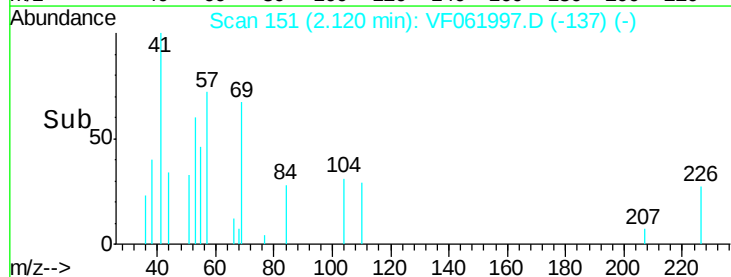
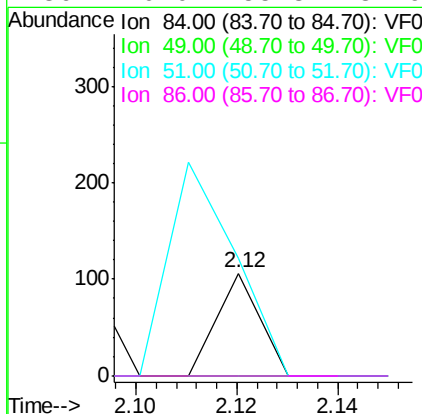
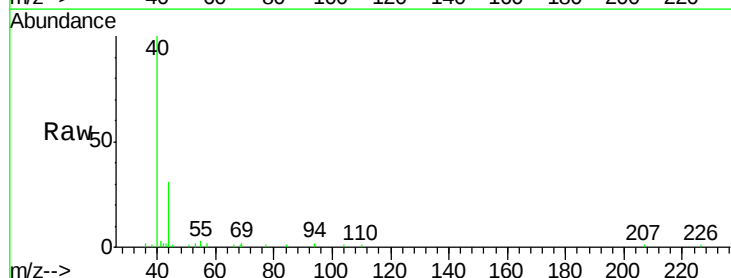
Instrument :
MSVOA_F
ClientSampleId :

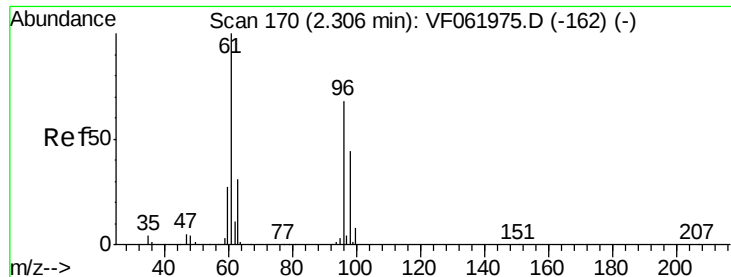
Tot Ion: 73 Resp: 63
Ion Ratio Lower Upper
73 100
57 0.0 15.3 22.9#



#20
Methylene Chloride
Concen: 34.411 ug/l
RT: 2.12 min Scan# 151
Delta R.T. -0.06 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

Tgt Ion: 84 Resp: 63
Ion Ratio Lower Upper
84 100
49 0.0 107.0 160.6#
51 115.1 37.2 55.8#
86 0.0 55.3 82.9#





#21

trans-1,2-Dichloroethene

Concen: 33.029 ug/l

RT: 2.30 min Scan# 169

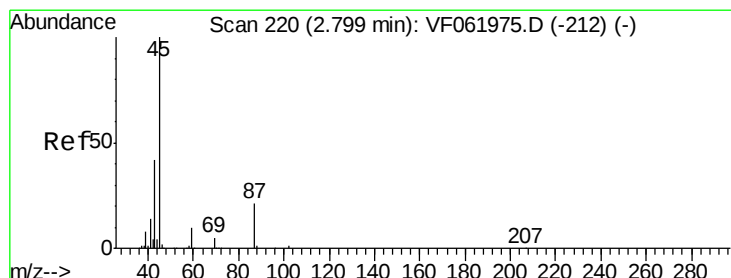
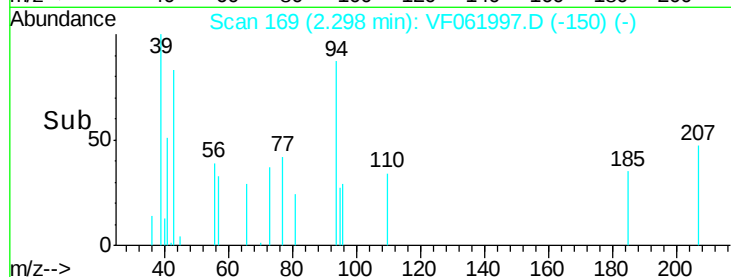
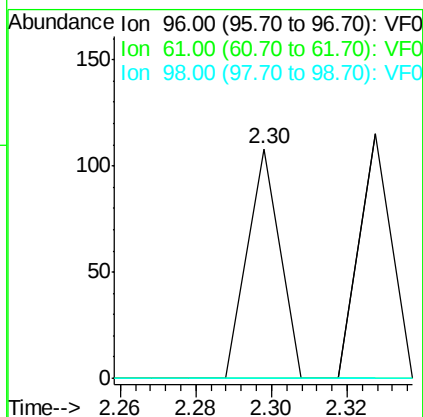
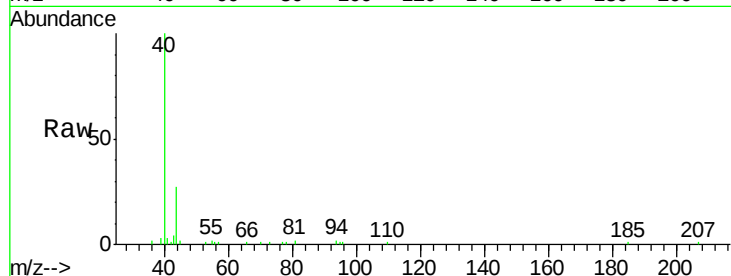
Delta R.T. -0.01 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	96	Resp:	64
Ion	Ratio	Lower	Upper
96	100		
61	0.0	117.4	176.2#
98	0.0	51.2	76.8#



#22

Diisopropyl ether

Concen: 96.297 ug/l

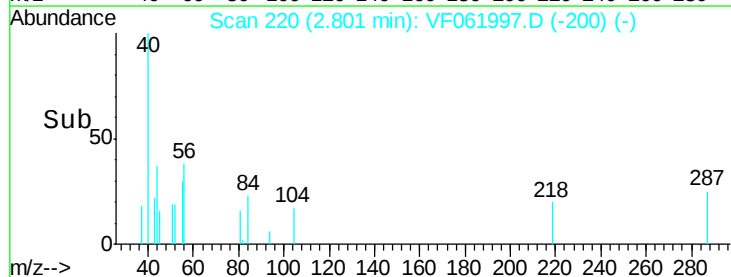
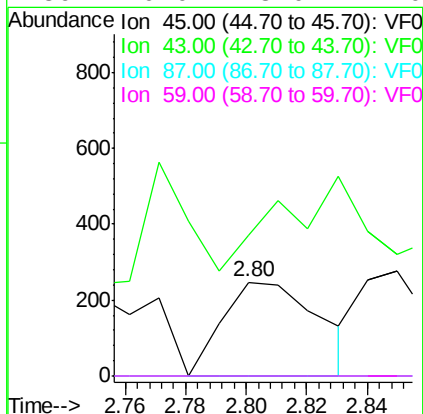
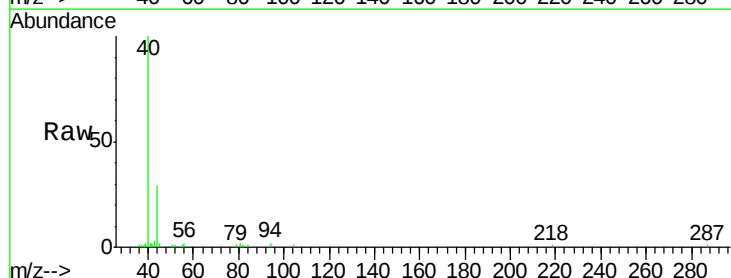
RT: 2.80 min Scan# 220

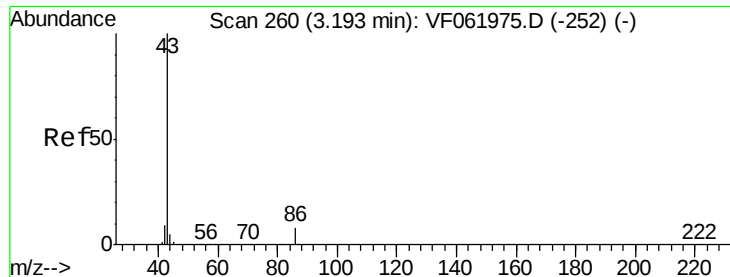
Delta R.T. 0.00 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Tgt Ion:	45	Resp:	549
Ion	Ratio	Lower	Upper
45	100		
43	150.2	33.7	50.5#
87	0.0	17.1	25.7#
59	0.0	8.0	12.0#





#23

Vinyl Acetate

Concen: 274.089 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

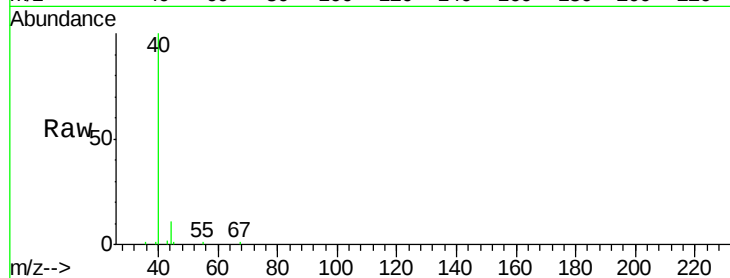
ClientSampleId :

Tot Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

86 0.0 6.5 9.7#

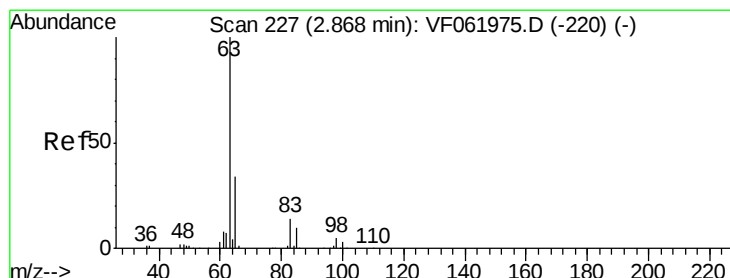
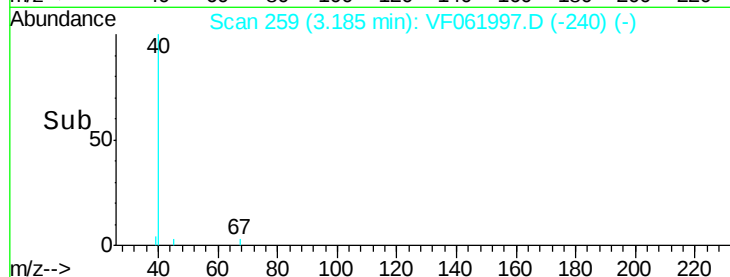
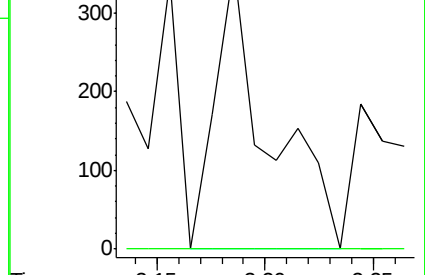


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

3.15 3.20 3.25



#24

1,1-Dichloroethane

Concen: 19.306 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

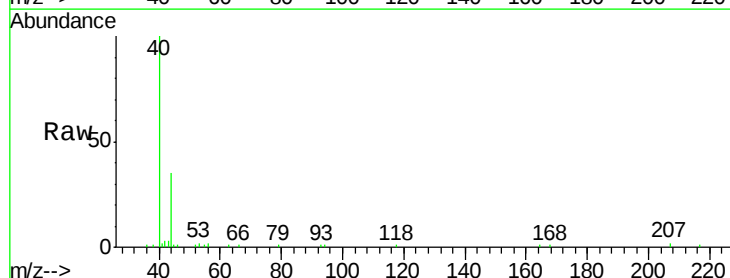
Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

63 100

98 0.0 2.7 8.1#

100 0.0 1.7 5.0#



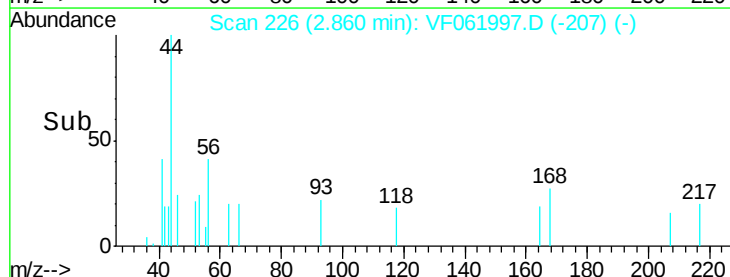
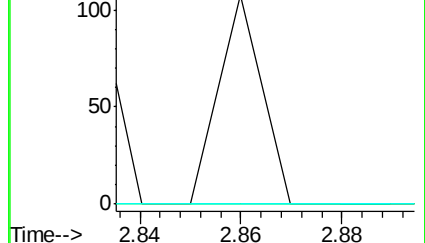
Abundance Ion 63.00 (62.70 to 63.70): VF0

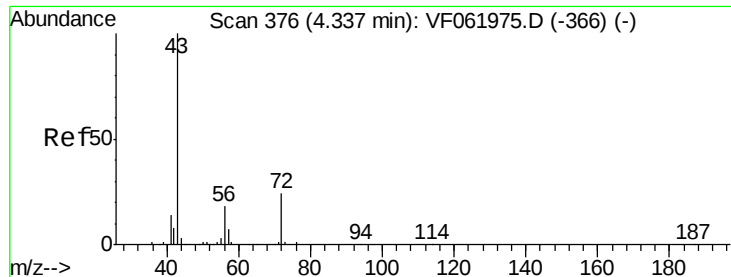
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

2.84 2.86 2.88





#25

2-Butanone

Concen: 238.541 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

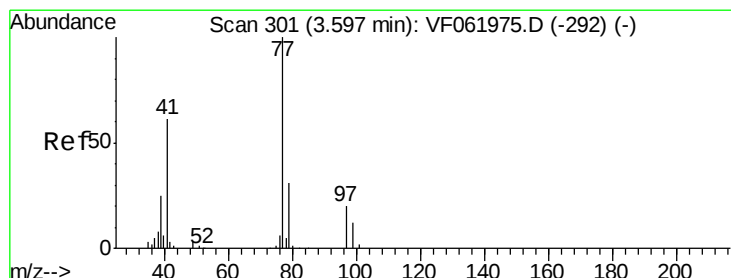
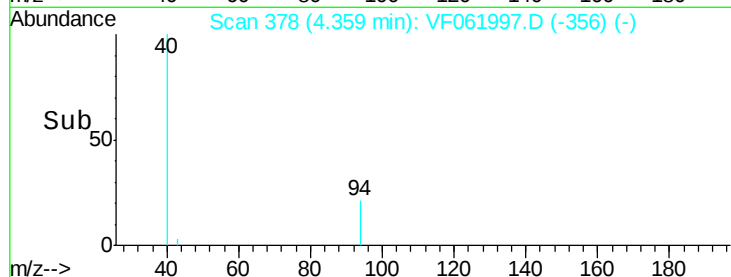
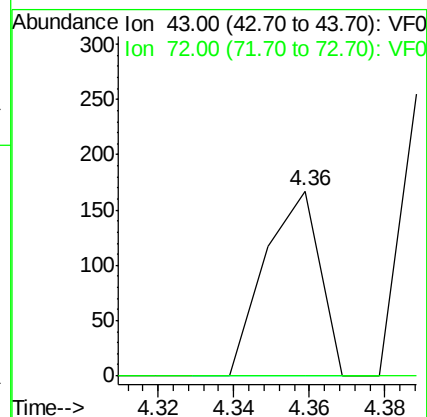
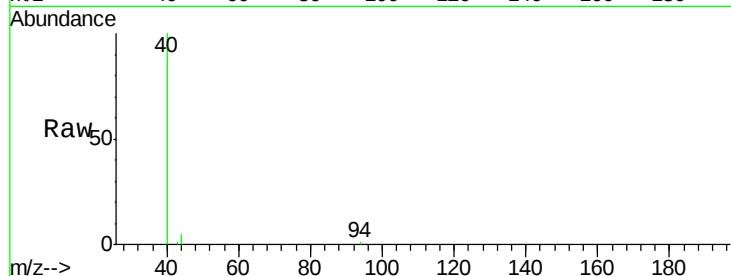
ClientSampleId :

Tot Ion: 43 Resp: 168

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#26

2,2-Dichloropropane

Concen: 46.686 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.02 min

Lab File: VF061997.D

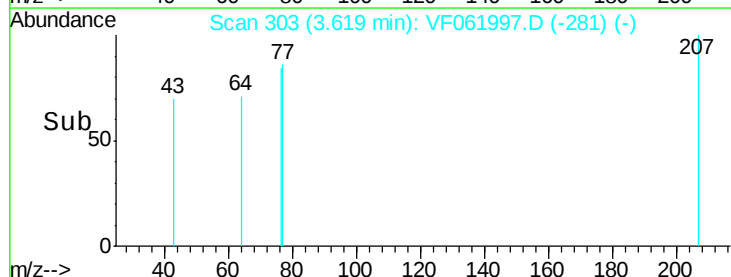
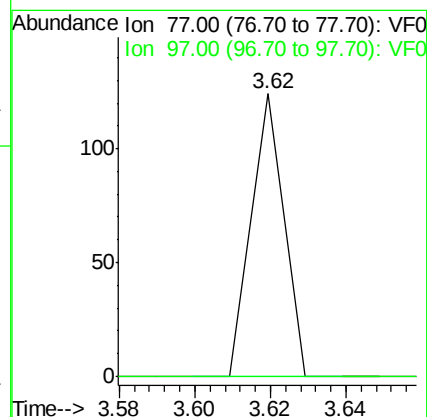
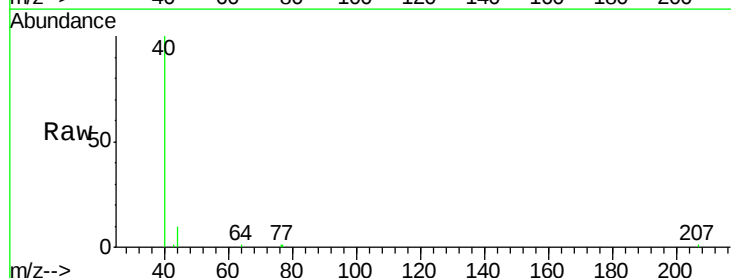
Acq: 18 Mar 2019 15:05

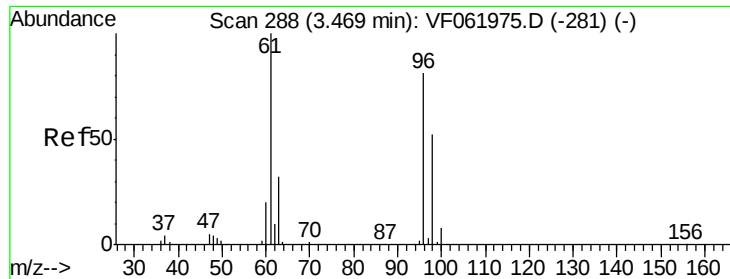
Tgt Ion: 77 Resp: 73

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



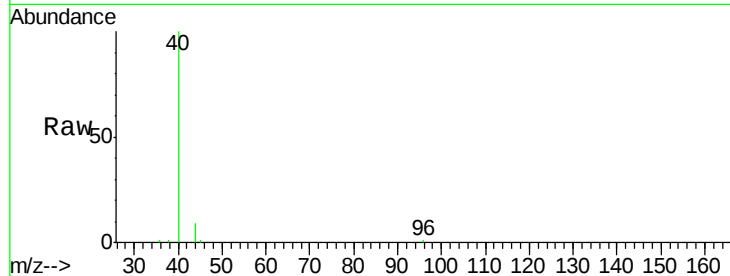


#27

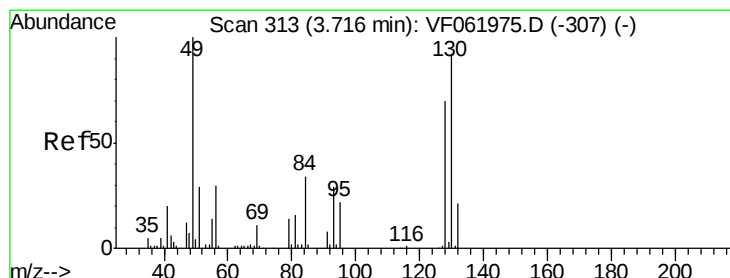
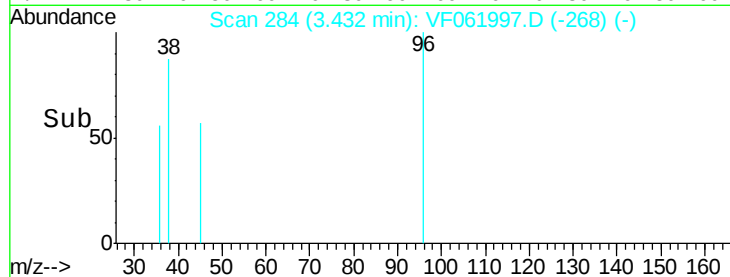
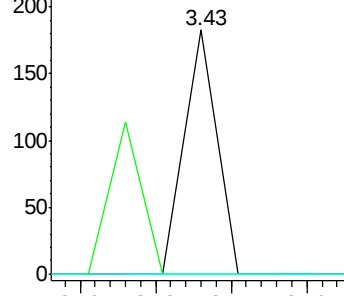
cis-1,2-Dichloroethene
Concen: 44.221 ug/l
RT: 3.43 min Scan# 284
Delta R.T. -0.04 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	246.6
98	0.0	0.0	129.2



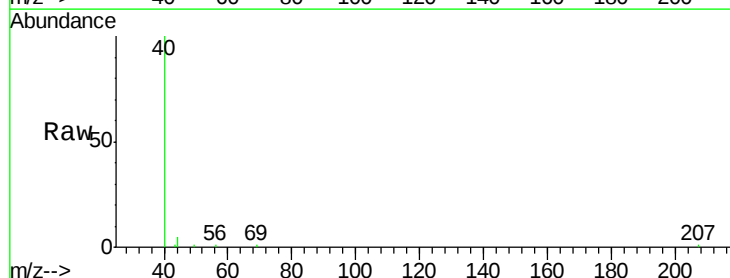
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



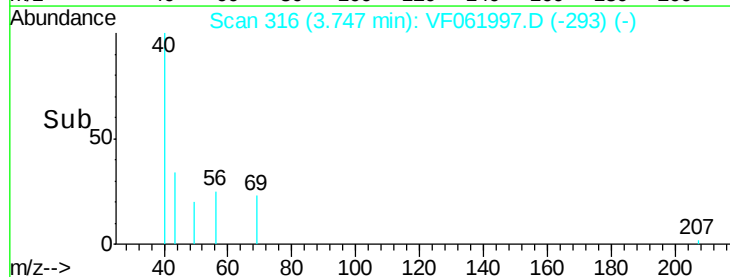
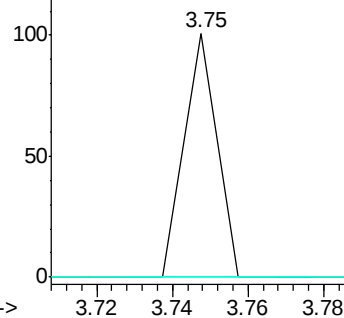
#28

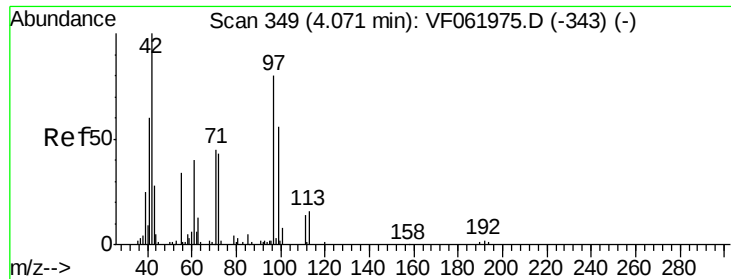
Bromochloromethane
Concen: 43.620 ug/l
RT: 3.75 min Scan# 316
Delta R.T. 0.03 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.8
130	0.0	73.1	109.7#



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: 992.528 ug/l

RT: 4.09 min Scan# 351

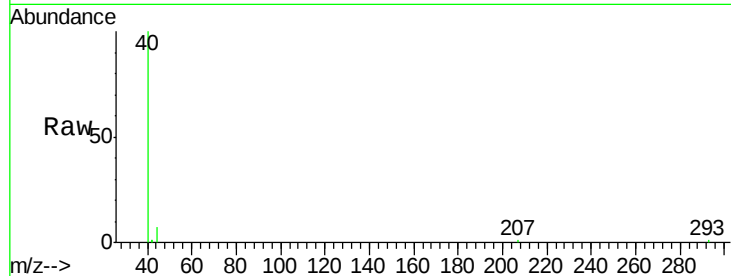
Delta R.T. 0.02 min

Lab File: VF061997.D

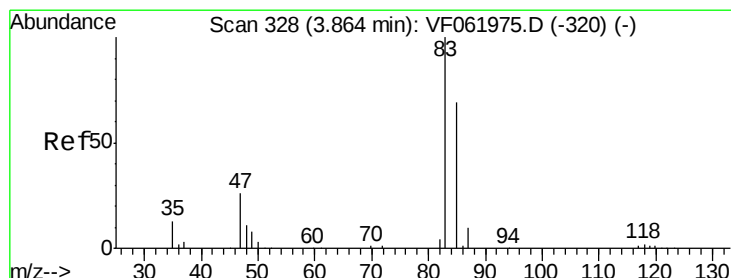
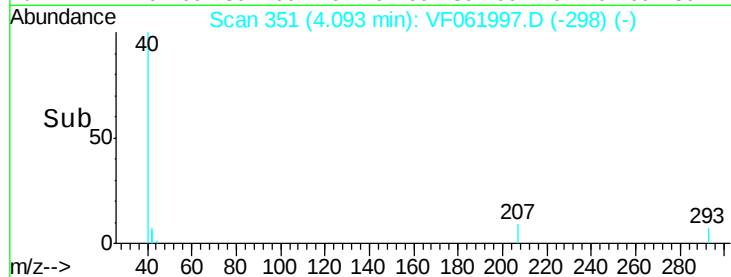
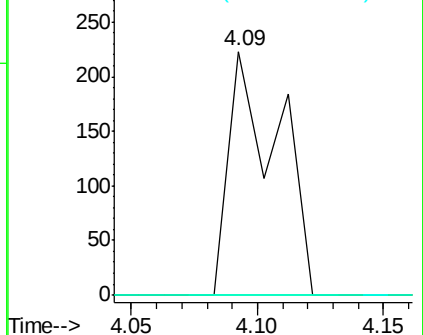
Acq: 18 Mar 2019 15:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	304
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.0	51.0#
71	0.0	34.2	51.4#



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



#30

Chloroform

Concen: 17.040 ug/l

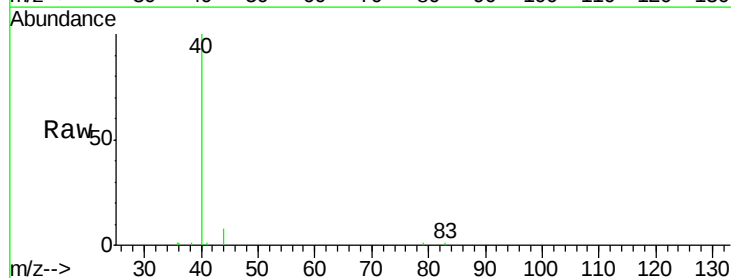
RT: 3.73 min Scan# 314

Delta R.T. -0.14 min

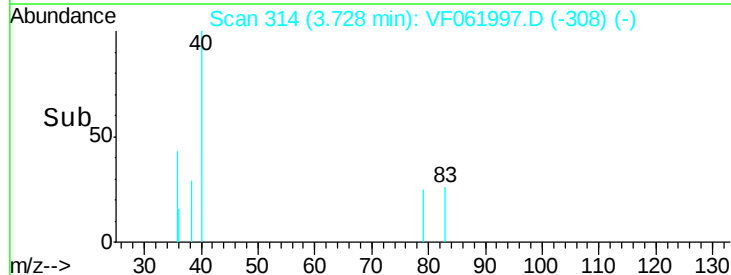
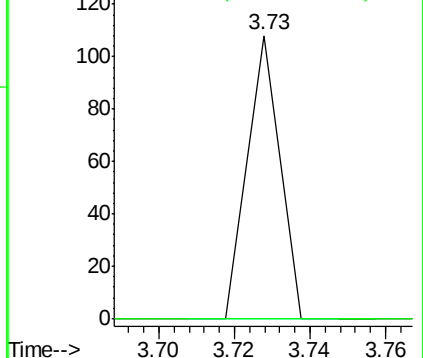
Lab File: VF061997.D

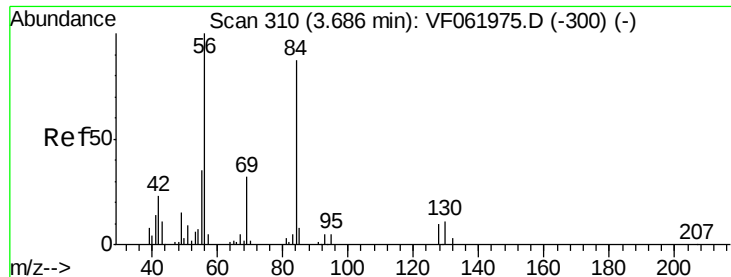
Acq: 18 Mar 2019 15:05

Tgt Ion:	83	Resp:	64
Ion	Ratio	Lower	Upper
83	100		
85	0.0	55.5	83.3#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

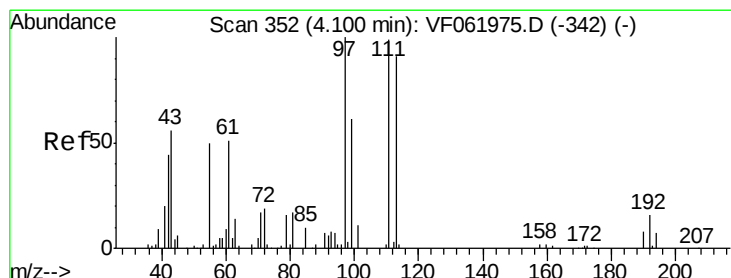
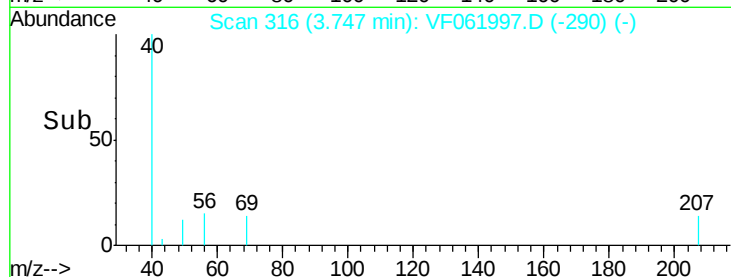
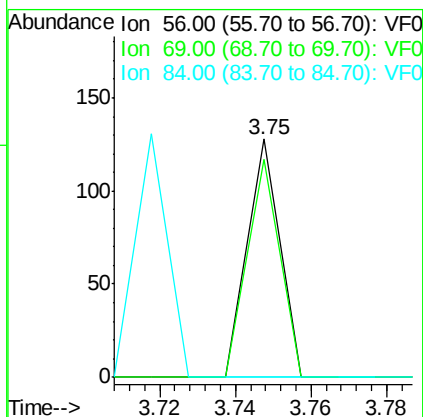
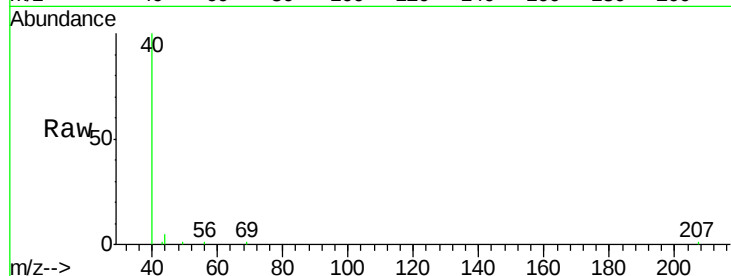




#31
Cyclohexane
Concen: 23.400 ug/l
RT: 3.75 min Scan# 316
Delta R.T. 0.06 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

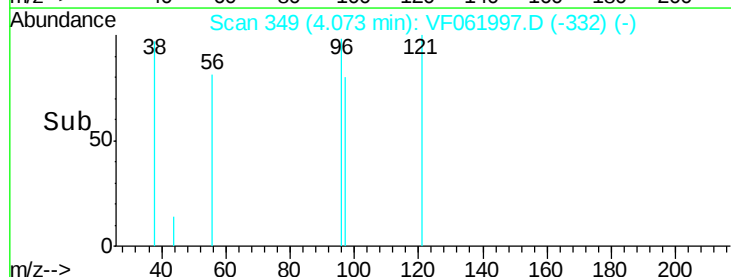
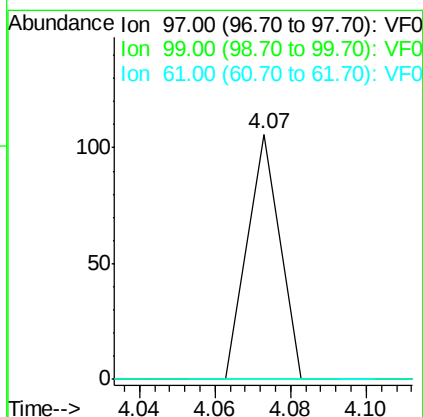
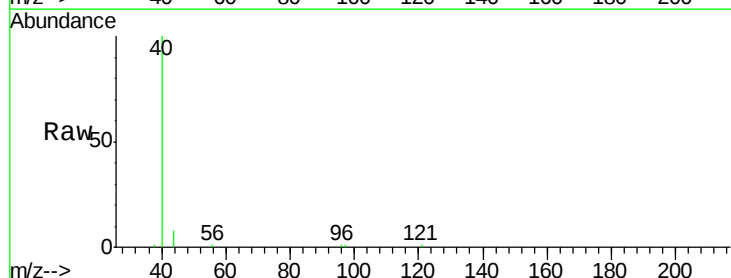
Instrument :
MSVOA_F
ClientSampleId :

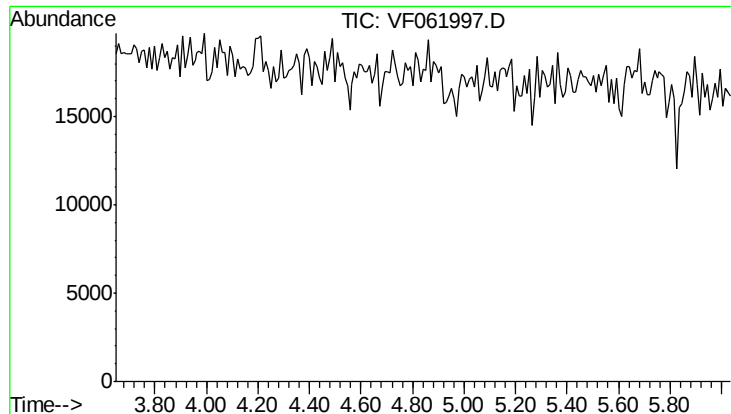
Tot Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
69 91.4 25.8 38.8#
84 0.0 69.5 104.3#



#32
1,1,1-Trichloroethane
Concen: 25.257 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.03 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

Tgt Ion: 97 Resp: 63
Ion Ratio Lower Upper
97 100
99 0.0 49.0 73.4#
61 0.0 41.4 62.0#

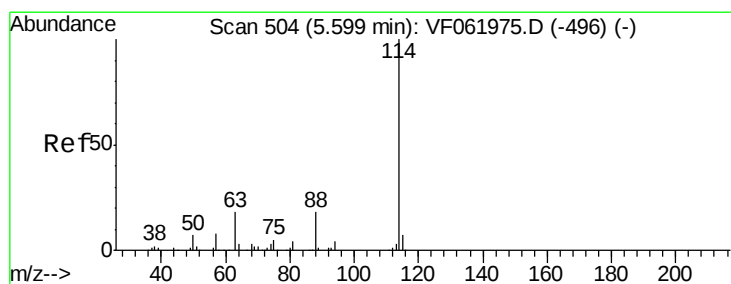
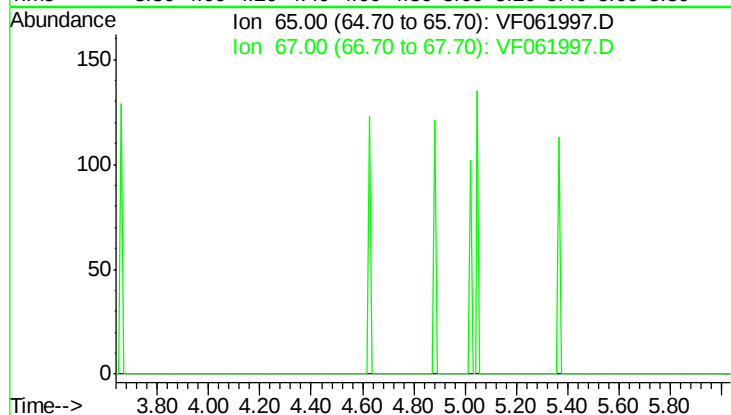




#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 4.84 min
 Lab File: VF061997.D
 Acq: 18 Mar 2019 15:05

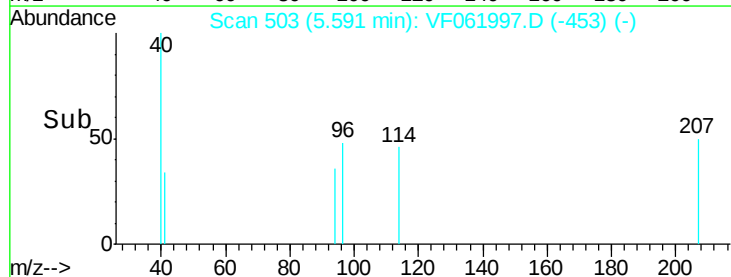
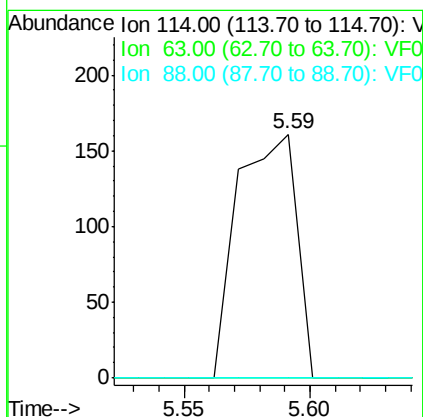
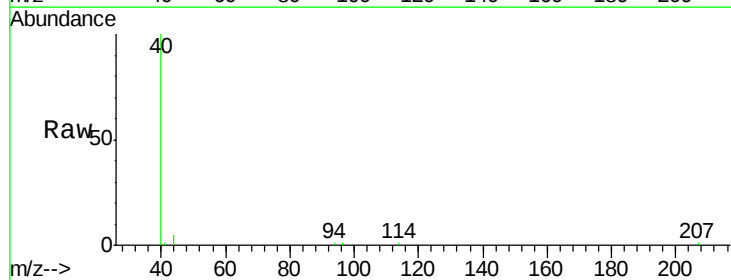
Instrument :
 MSVOA_F
 ClientSampleId :

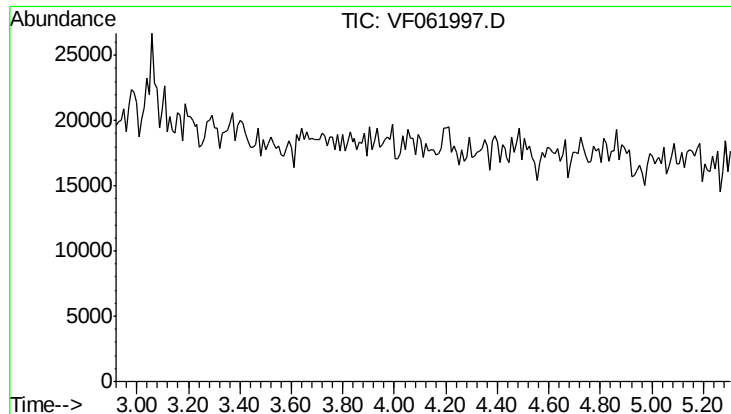
Tot Ion: 65
 Sig Exp Ratio
 65 100
 67 54.7



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061997.D
 Acq: 18 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	36.4
88	0.0	0.0	36.4

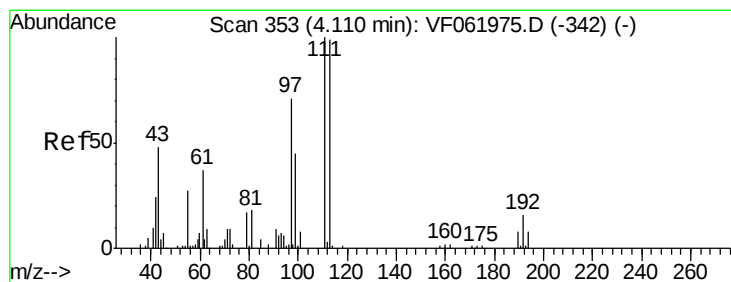
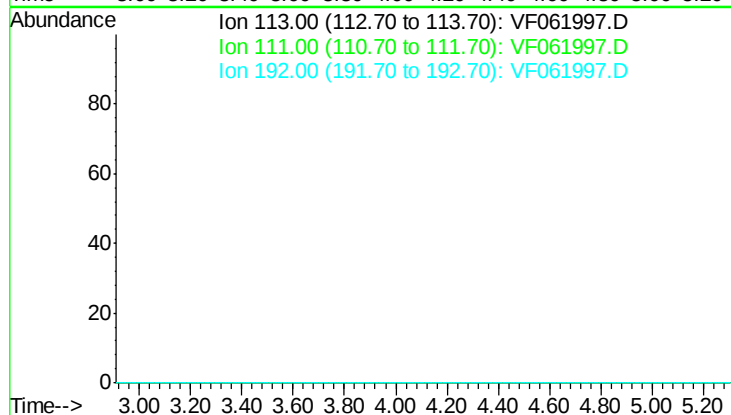




#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.11 min
 Lab File: VF061997.D
 Acq: 18 Mar 2019 15:05

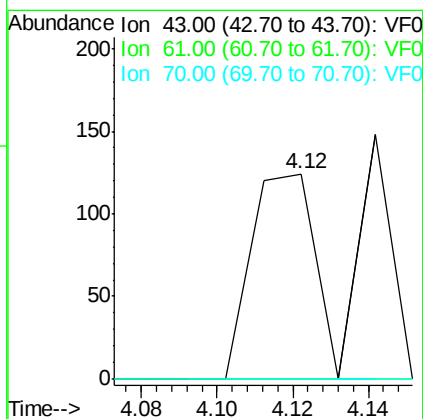
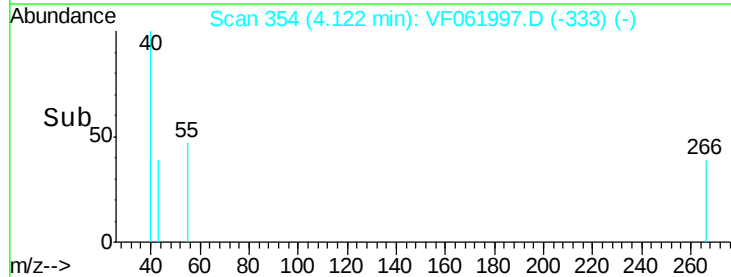
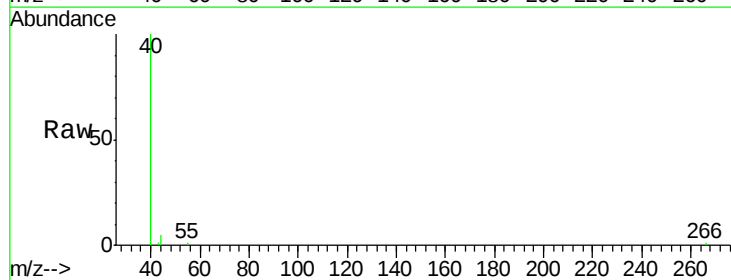
Instrument :
 MSVOA_F
 ClientSampleId :

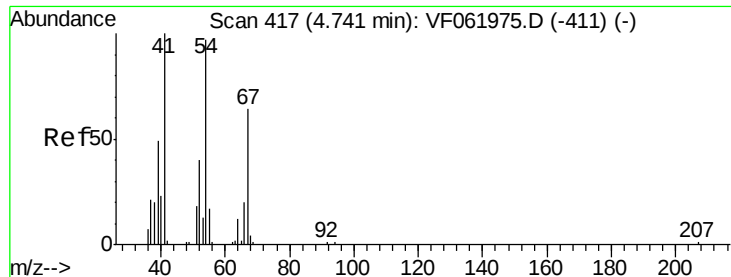
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 101.0
 192 16.3



#37
 Ethyl Acetate
 Concen: 135.033 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VF061997.D
 Acq: 18 Mar 2019 15:05

Tgt Ion: 43 Resp: 144
 Ion Ratio Lower Upper
 43 100
 61 0.0 59.8 89.6#
 70 0.0 7.8 11.8#





#41

Methacrylonitrile

Concen: 479.153 ug/l

RT: 4.77 min Scan# 420

Delta R.T. 0.03 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 273

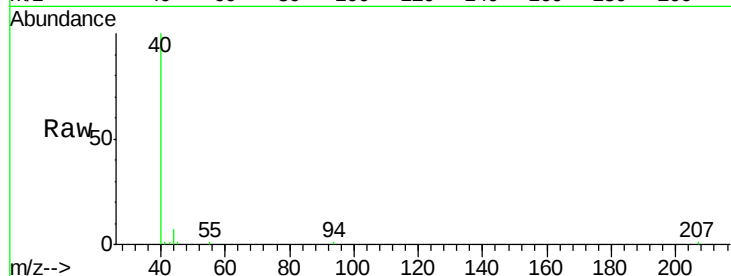
Ion Ratio Lower Upper

41 100

39 0.0 46.2 69.4#

67 0.0 49.8 74.8#

52 0.0 42.7 64.1#

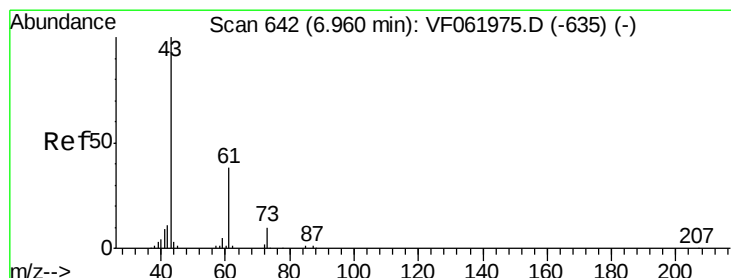
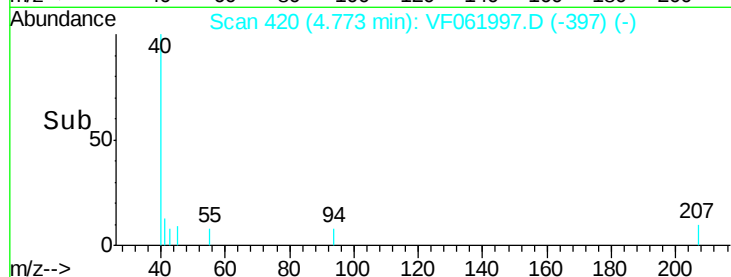
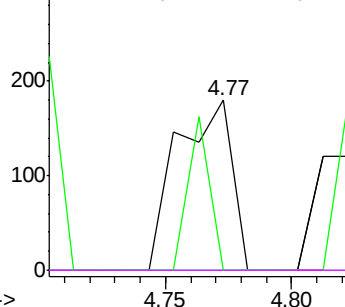


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#43

Isopropyl Acetate

Concen: 160.098 ug/l

RT: 6.99 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

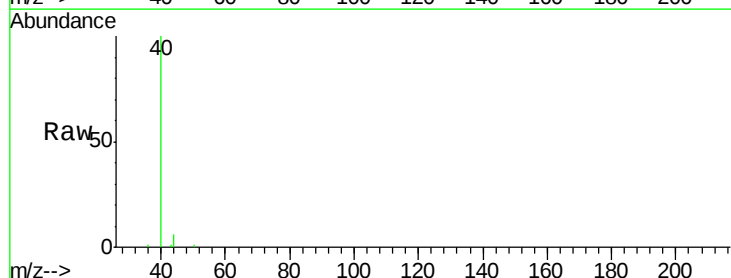
Tgt Ion: 43 Resp: 202

Ion Ratio Lower Upper

43 100

61 0.0 30.1 45.1#

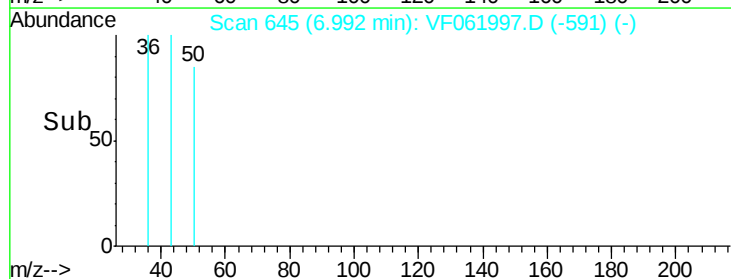
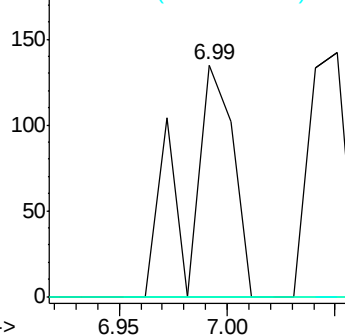
87 0.0 0.4 0.6#

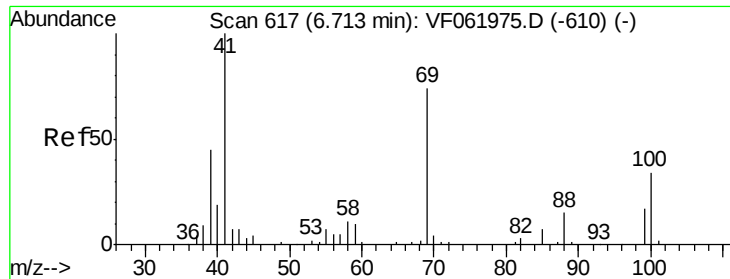


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#48

Methyl methacrylate

Concen: 359.312 ug/l

RT: 6.75 min Scan# 621

Delta R.T. 0.04 min

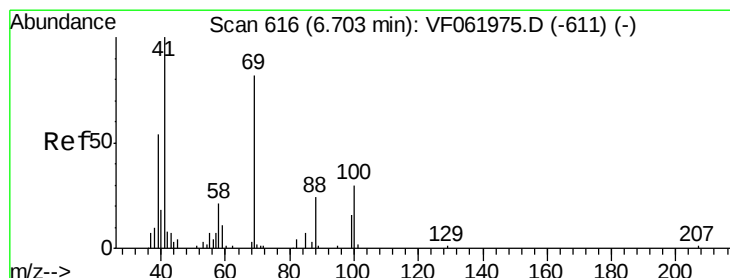
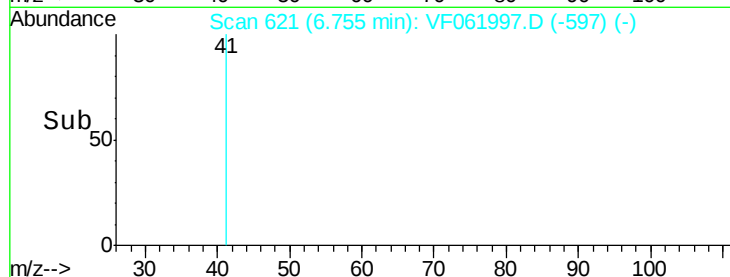
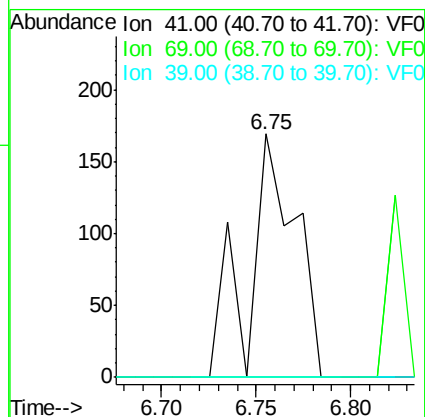
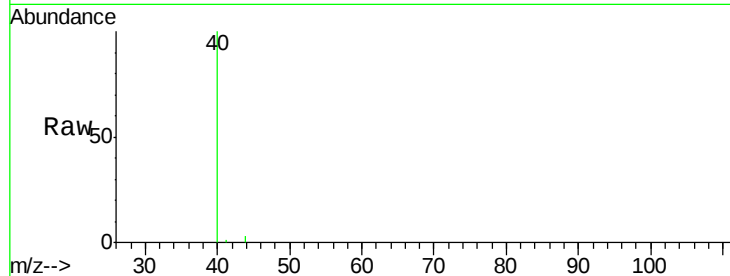
Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 41 Resp: 293

Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.0	88.6#
39	0.0	35.6	53.4#



#49

1,4-Dioxane

Concen: 10064.226 ug/l

RT: 6.24 min Scan# 569

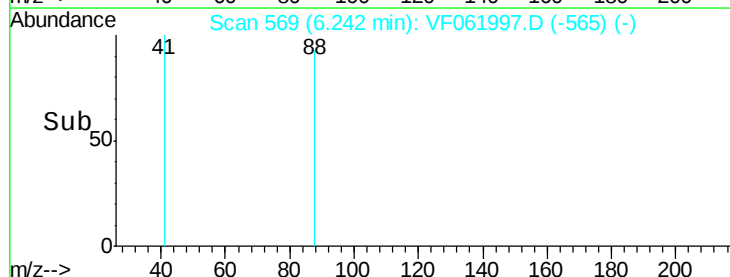
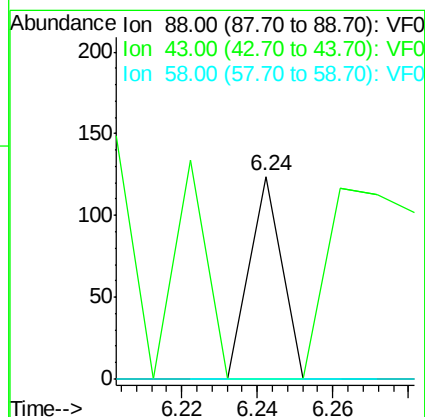
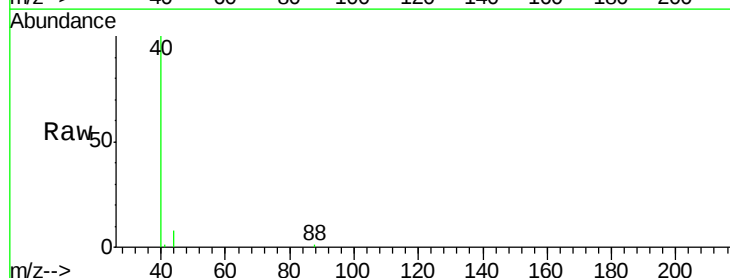
Delta R.T. -0.46 min

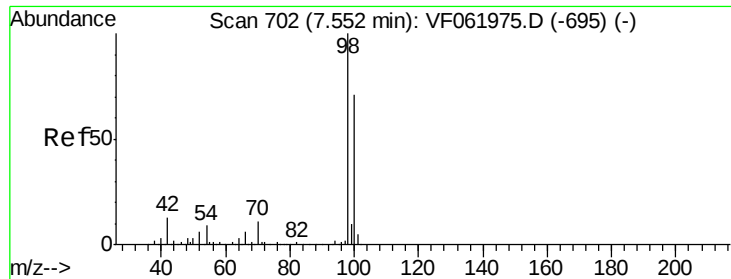
Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Tgt Ion: 88 Resp: 73

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.2	46.8#
58	0.0	69.9	104.9#

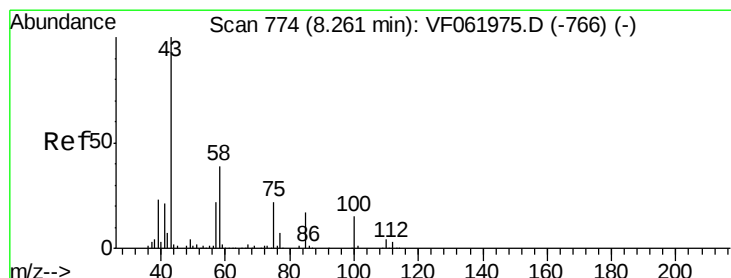
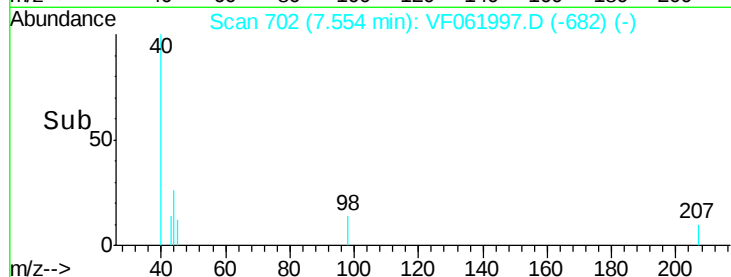
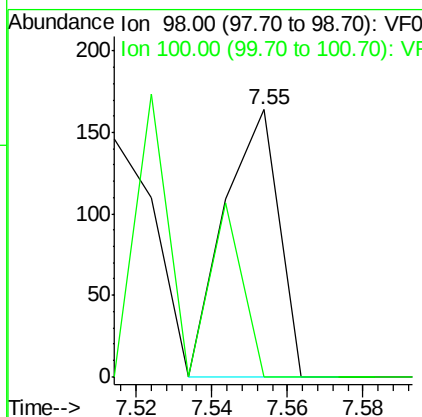
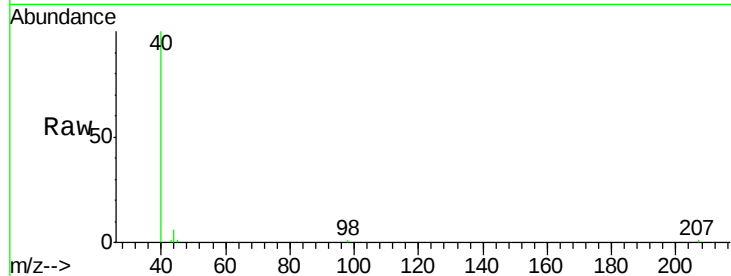




#50
Toluene-d8
Concen: 31.185 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

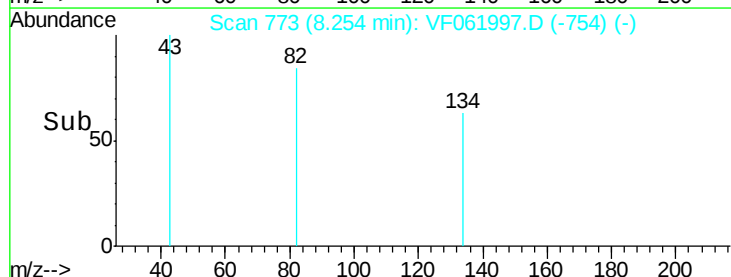
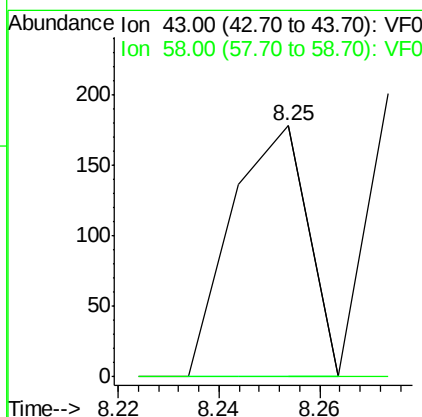
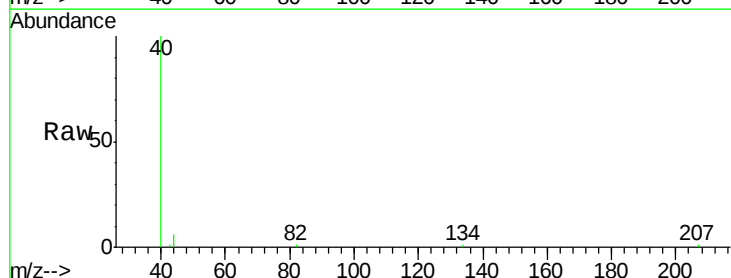
Instrument :
MSVOA_F
ClientSampleId :

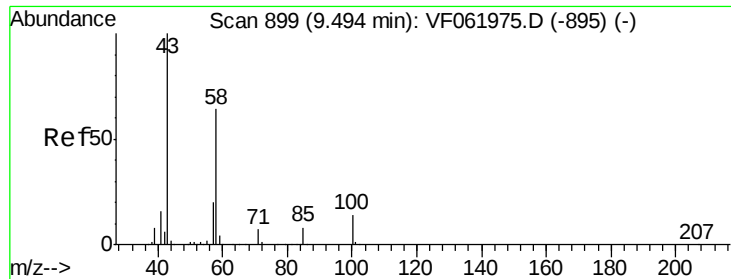
Tot Ion: 98 Resp: 161
Ion Ratio Lower Upper
98 100
100 0.0 56.8 85.2#



#51
4-Methyl-2-Pentanone
Concen: 207.596 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.01 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
58 0.0 31.1 46.7#

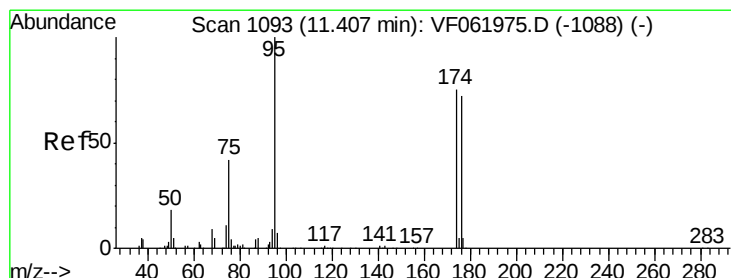
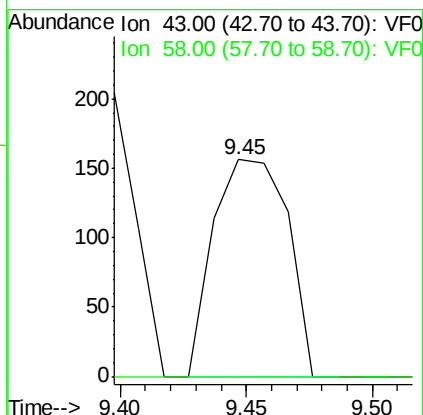
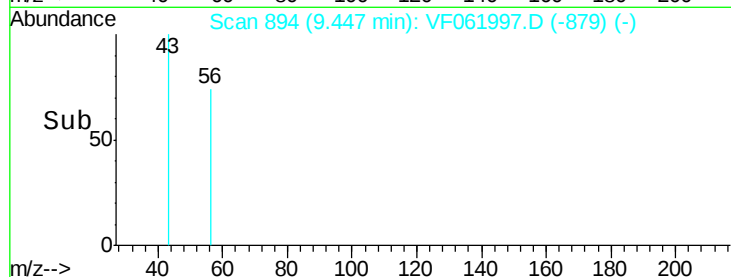
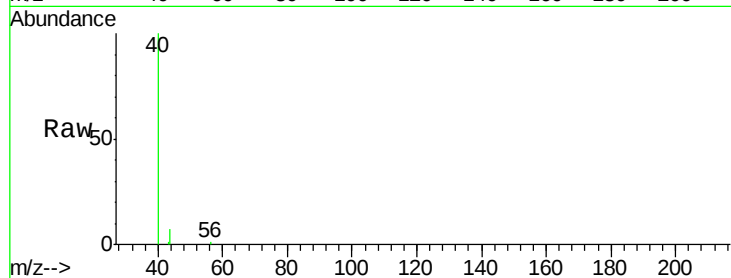




#59
2-Hexanone
Concen: 495.050 ug/l
RT: 9.45 min Scan# 894
Delta R.T. -0.05 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

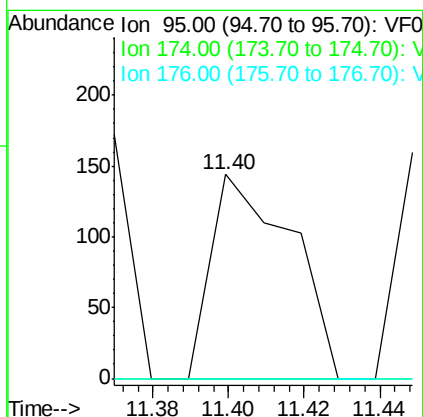
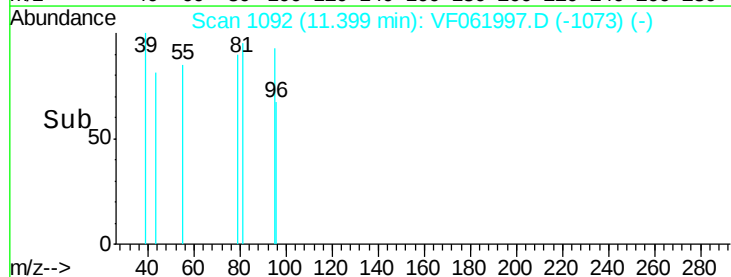
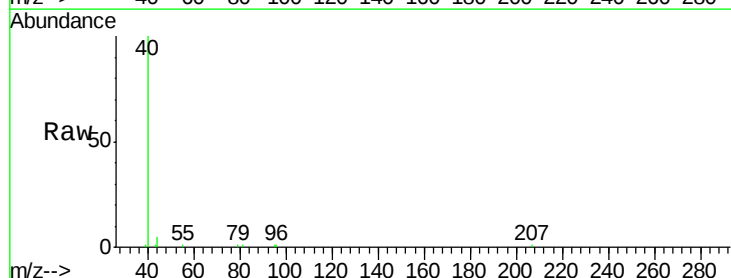
Instrument :
MSVOA_F
ClientSampleId :

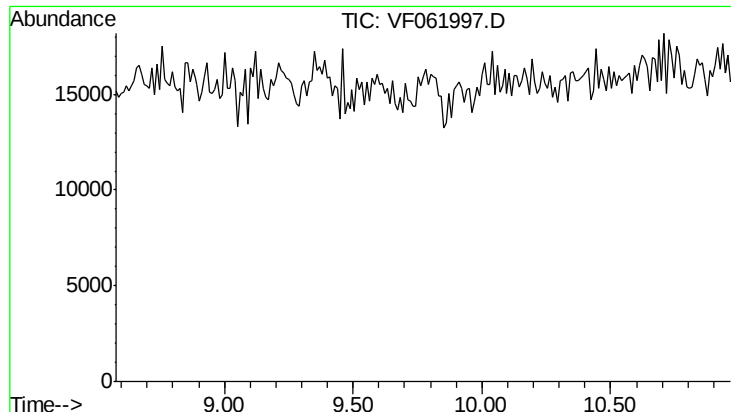
Tot Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 102.877 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

Tgt Ion: 95 Resp: 211
Ion Ratio Lower Upper
95 100
174 0.0 0.0 149.4
176 0.0 0.0 143.4



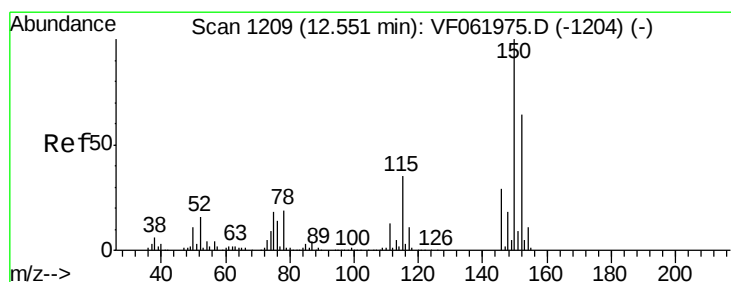
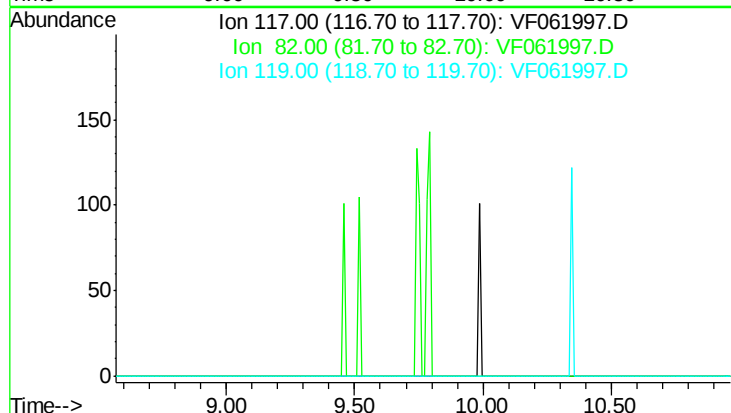


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 9.77 min

Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

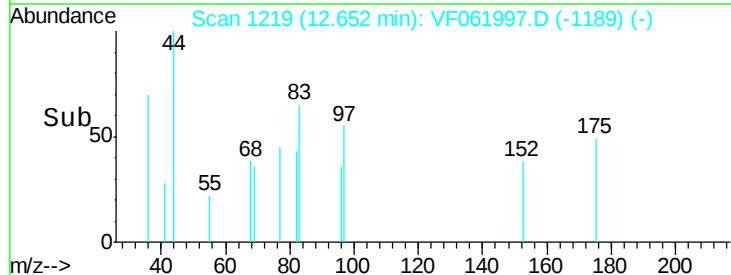
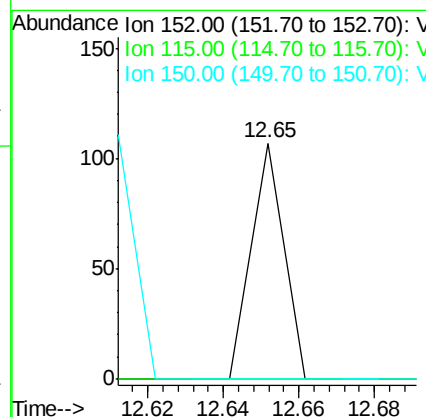
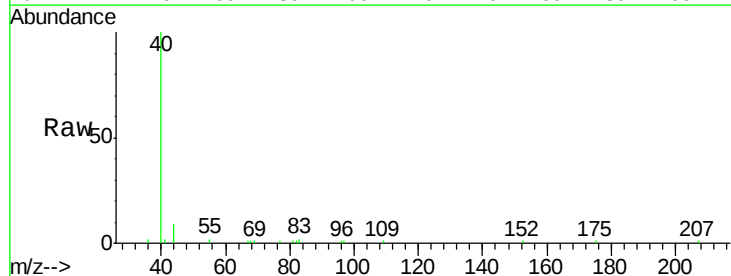
Instrument :
MSVOA_F
ClientSampleId :

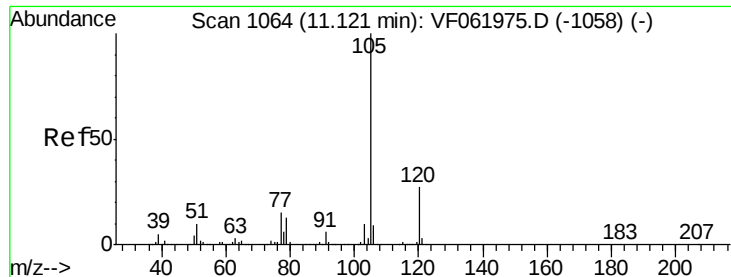
Tot Ion: 117
Sig Exp Ratio
117 100
82 53.1
119 31.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.65 min Scan# 1219
Delta R.T. 0.10 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

Tgt Ion: 152 Resp: 63
Ion Ratio Lower Upper
152 100
115 0.0 27.3 81.9#
150 0.0 0.0 316.2





#73

Isopropylbenzene

Concen: 21.138 ug/l

RT: 10.96 min Scan# 1047

Delta R.T. -0.17 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

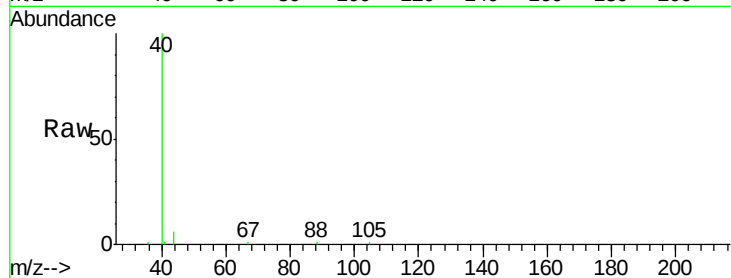
ClientSampleId :

Tot Ion:105 Resp: 92

Ion Ratio Lower Upper

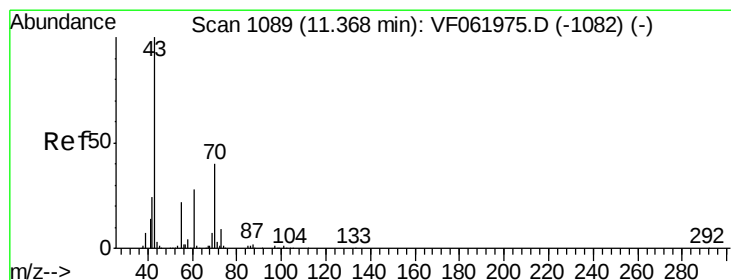
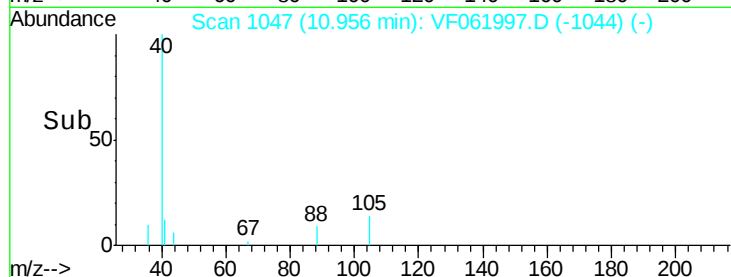
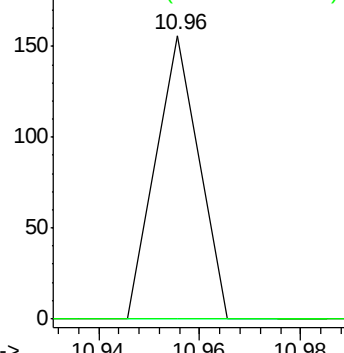
105 100

120 0.0 13.8 41.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 178.483 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Tgt Ion: 43 Resp: 178

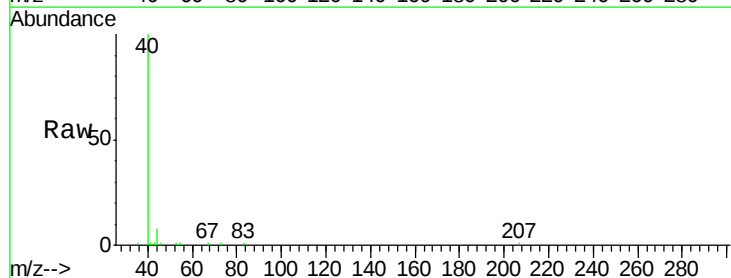
Ion Ratio Lower Upper

43 100

70 0.0 31.9 47.9#

55 0.0 17.9 26.9#

61 0.0 22.2 33.2#

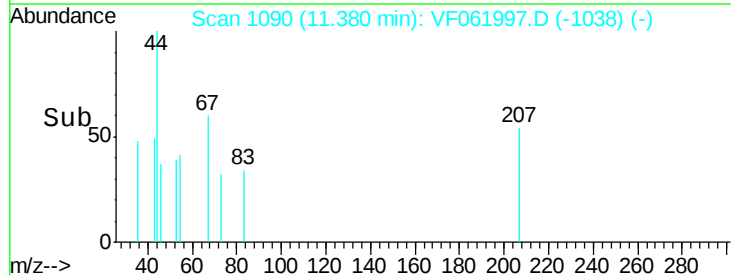
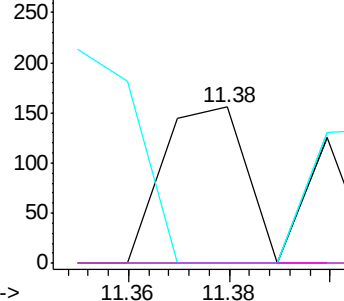


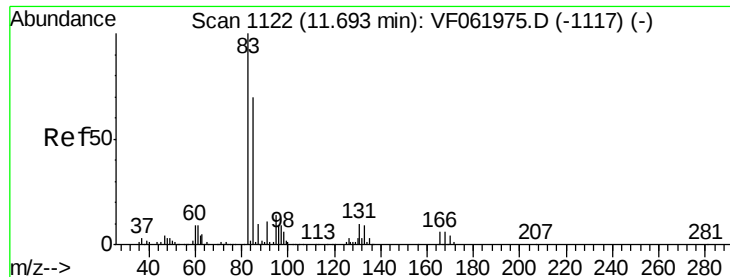
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 283.958 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

ClientSampleId :

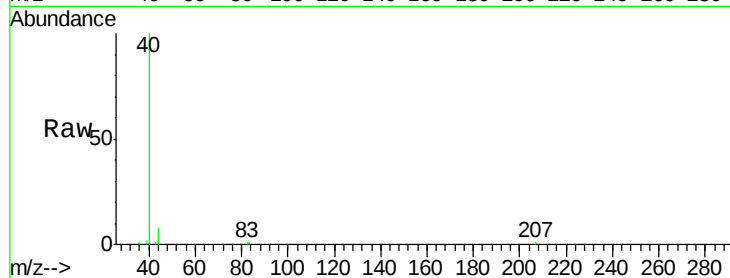
Tot Ion: 83 Resp: 204

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

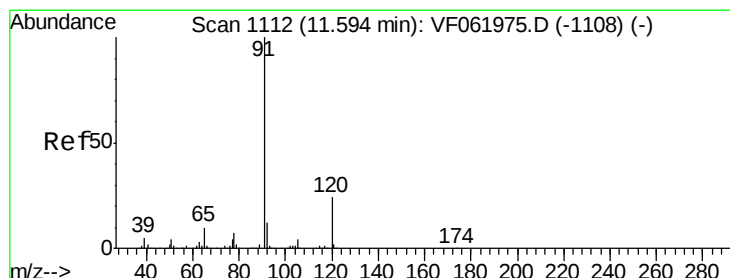
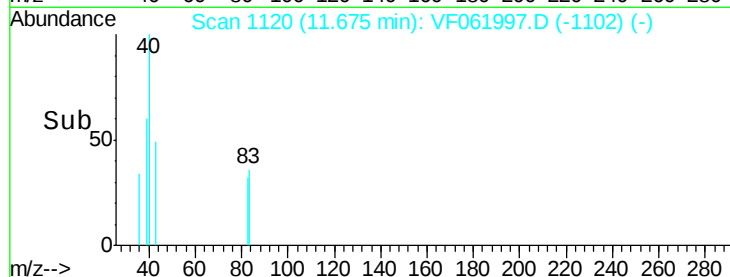
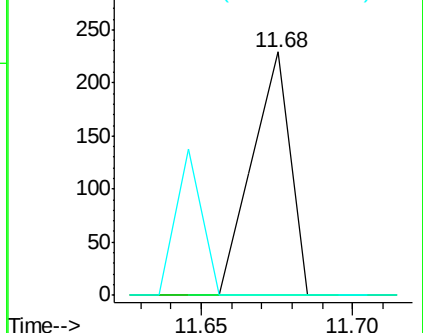
85 0.0 35.3 105.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#78

n-propylbenzene

Concen: 19.382 ug/l

RT: 11.57 min Scan# 1109

Delta R.T. -0.03 min

Lab File: VF061997.D

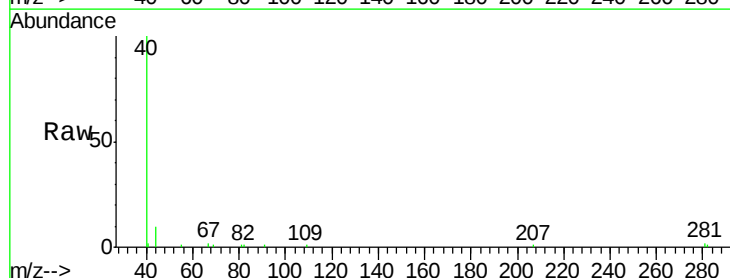
Acq: 18 Mar 2019 15:05

Tgt Ion: 91 Resp: 97

Ion Ratio Lower Upper

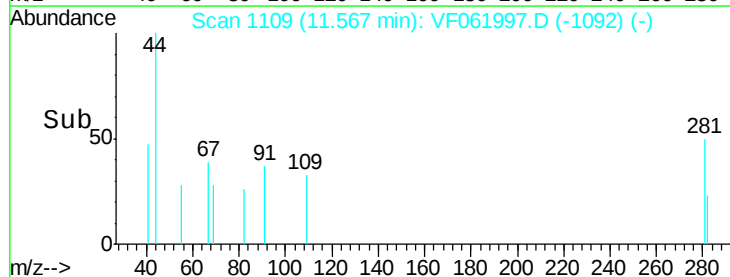
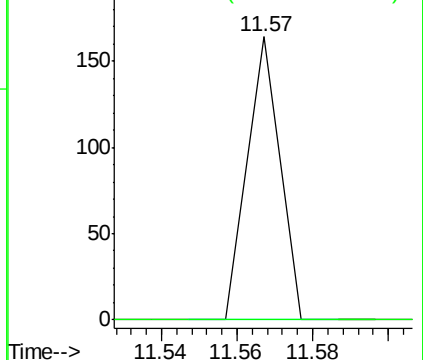
91 100

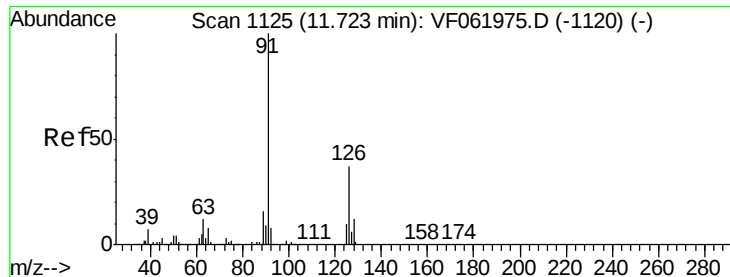
120 0.0 11.8 35.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 30.798 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

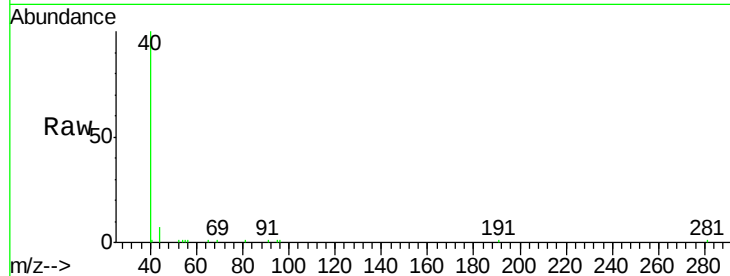
ClientSampleId :

Tot Ion: 91 Resp: 87

Ion Ratio Lower Upper

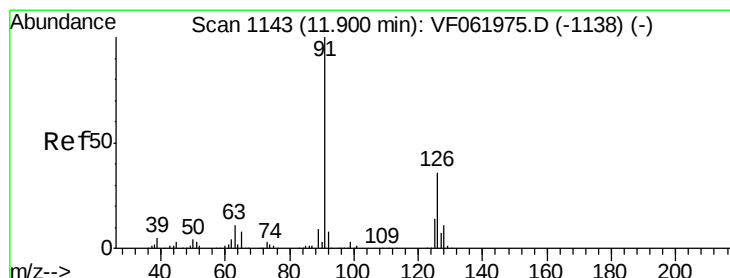
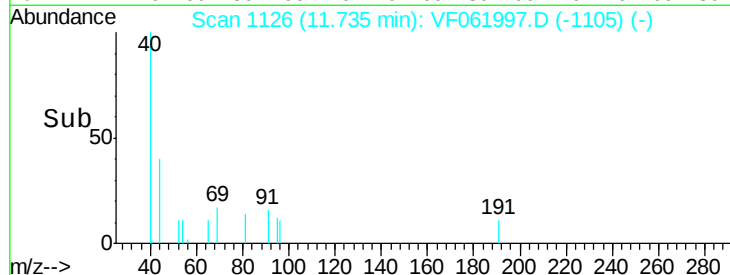
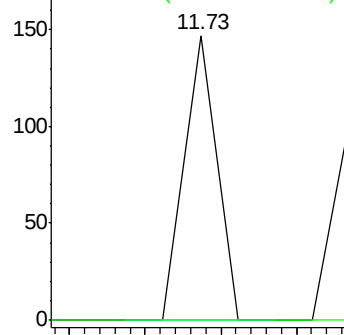
91 100

126 0.0 18.4 55.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#82

4-Chlorotoluene

Concen: 22.404 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.07 min

Lab File: VF061997.D

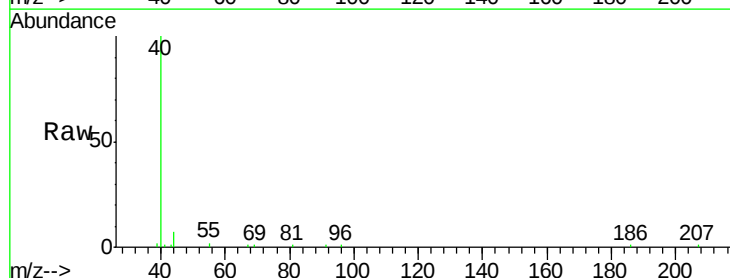
Acq: 18 Mar 2019 15:05

Tgt Ion: 91 Resp: 64

Ion Ratio Lower Upper

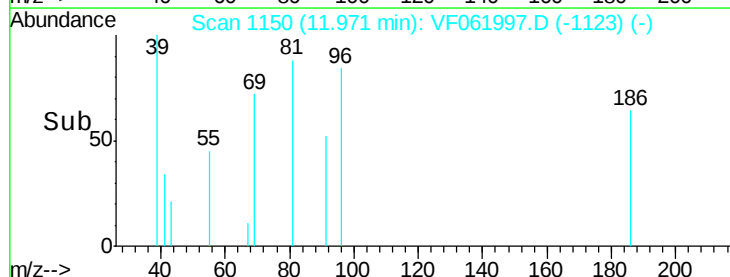
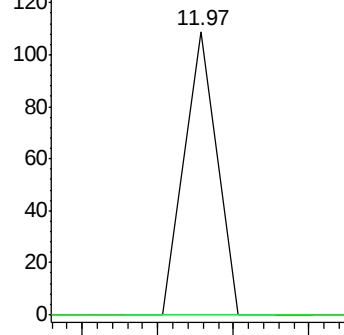
91 100

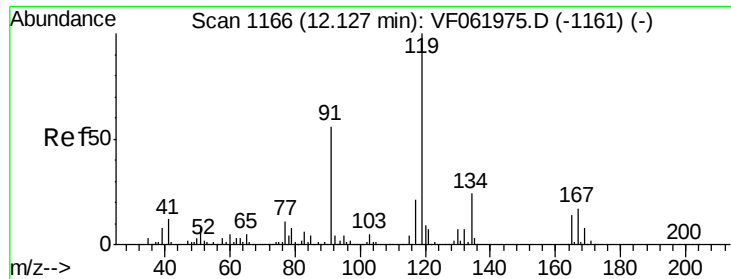
126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 44.059 ug/l

RT: 12.23 min Scan# 1176

Delta R.T. 0.10 min

Lab File: VF061997.D

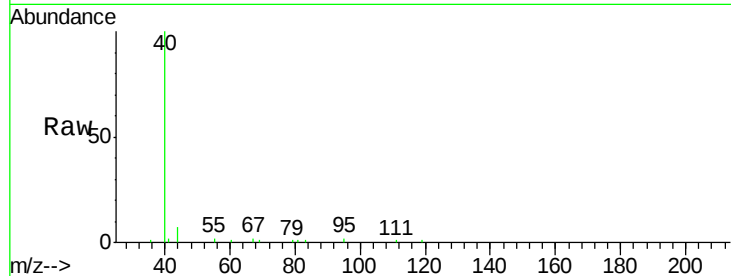
Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

ClientSampleId :

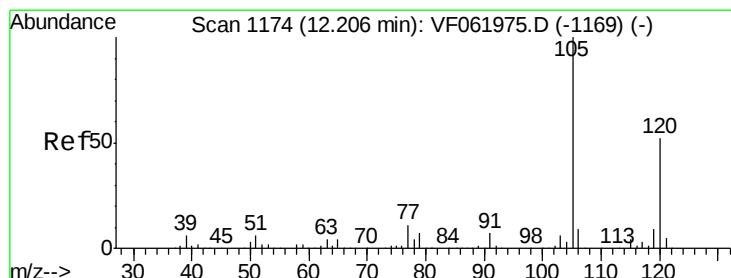
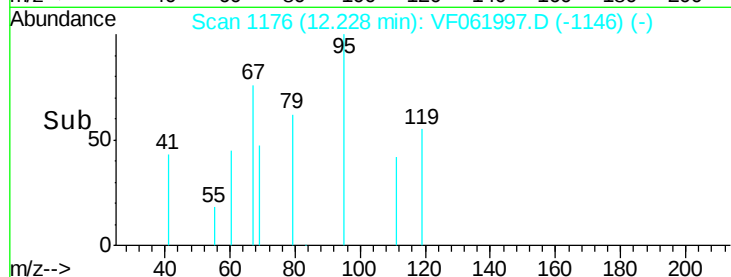
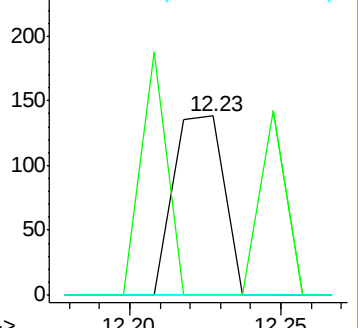
Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	27.9	83.6#
134	0.0	12.3	36.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.558 ug/l

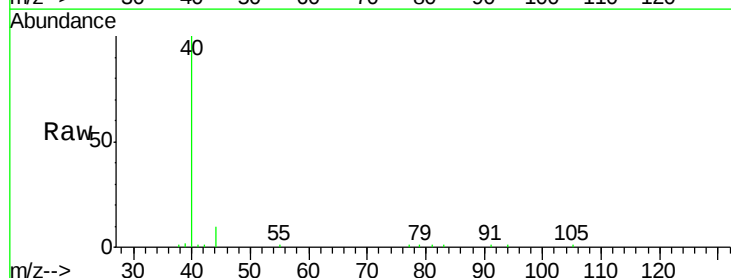
RT: 12.21 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VF061997.D

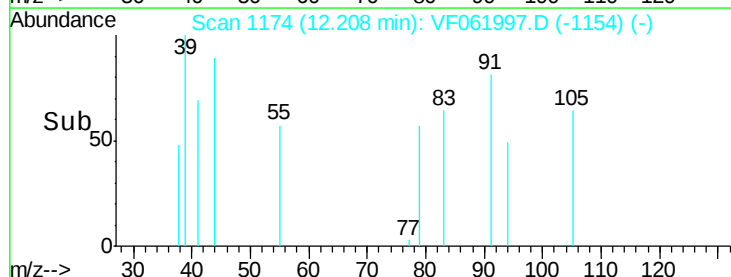
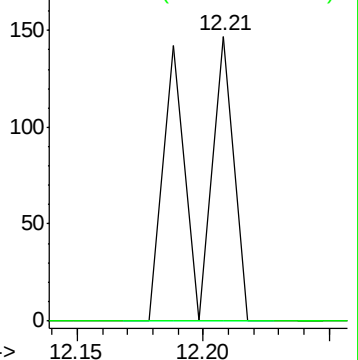
Acq: 18 Mar 2019 15:05

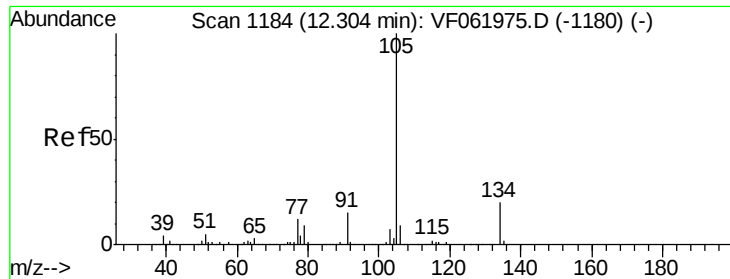
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	25.9	77.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.506 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

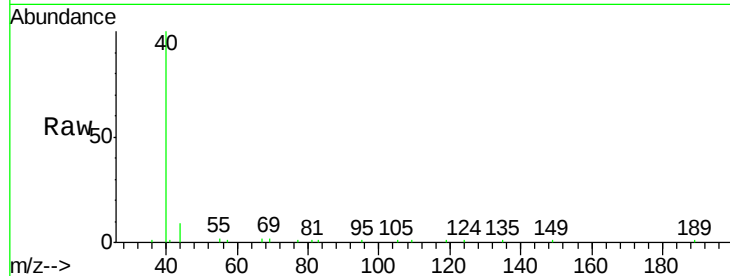
ClientSampleId :

Tot Ion:105 Resp: 82

Ion Ratio Lower Upper

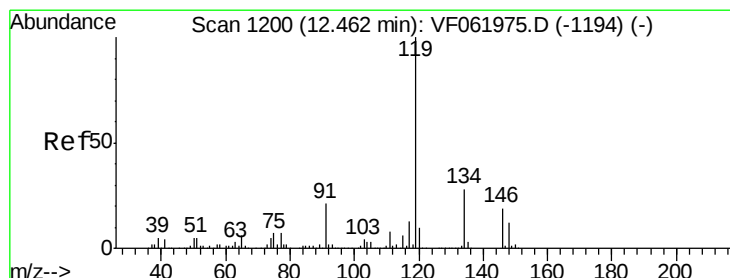
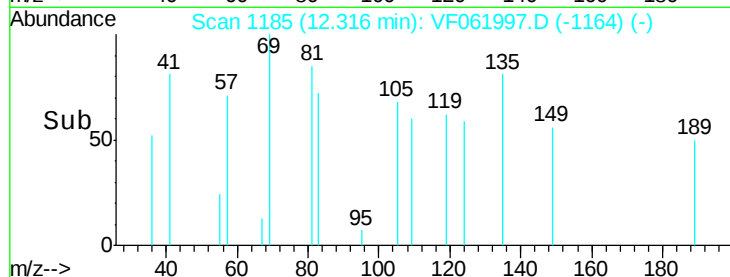
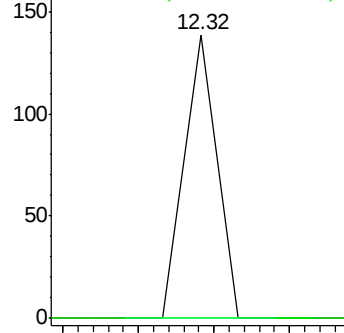
105 100

134 0.0 10.0 29.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 244.131 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

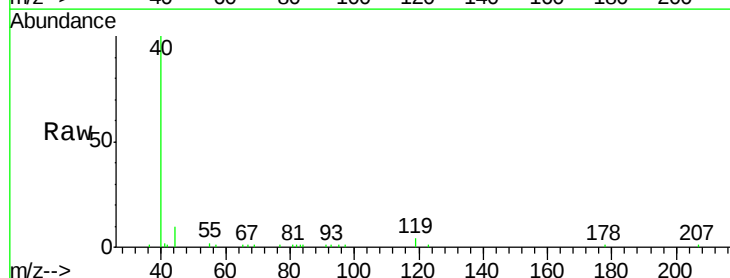
Tgt Ion:119 Resp: 1012

Ion Ratio Lower Upper

119 100

134 0.0 13.9 41.7#

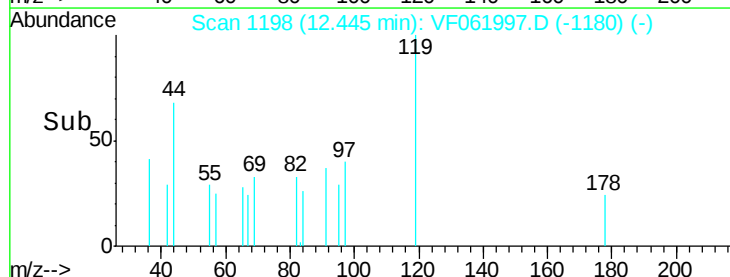
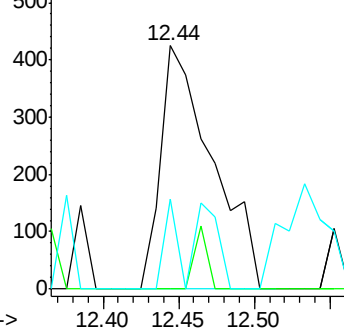
91 36.9 10.4 31.1#

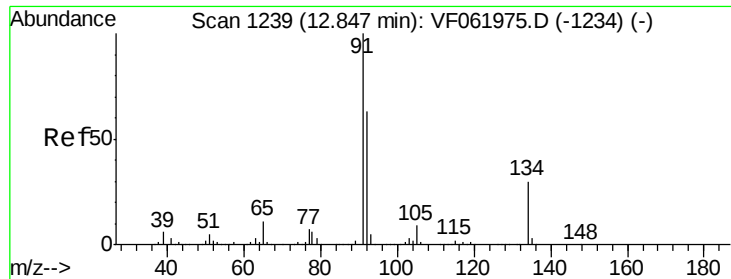


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

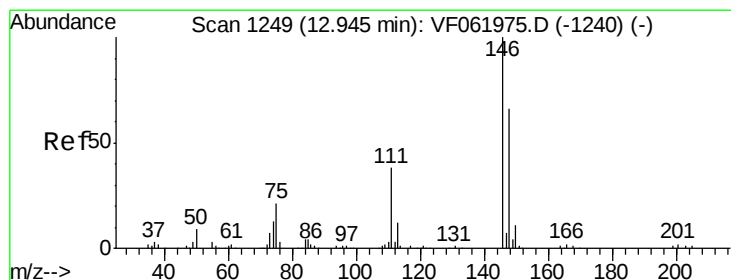
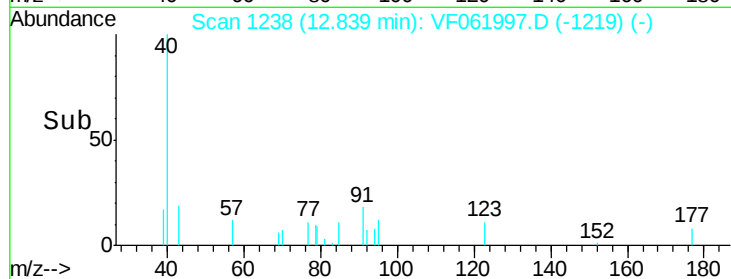
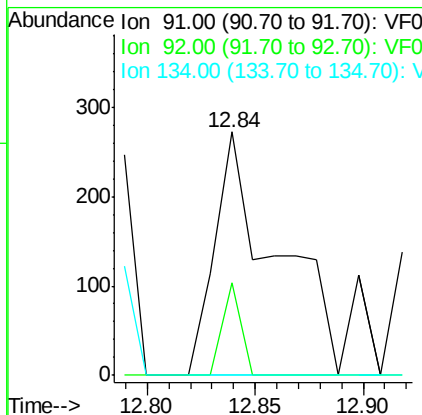
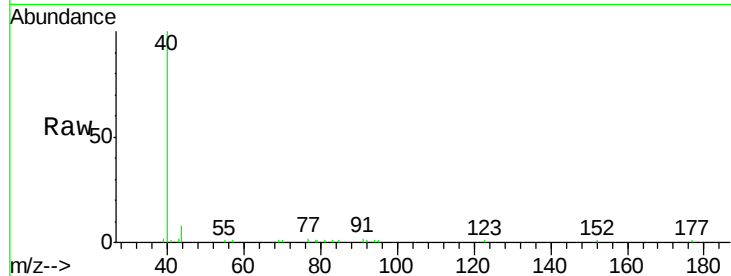




#89
n-Butylbenzene
Concen: 138.118 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

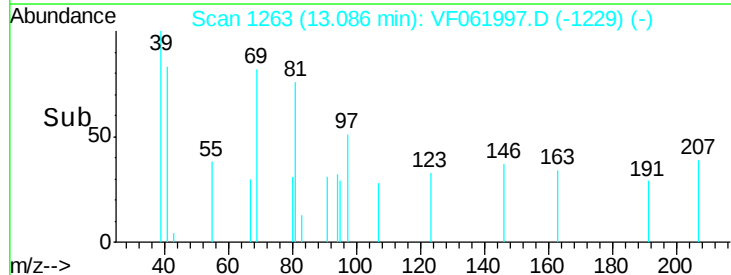
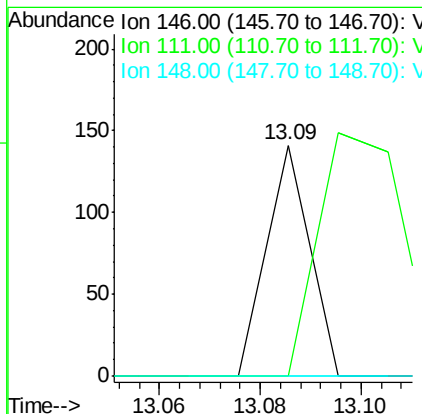
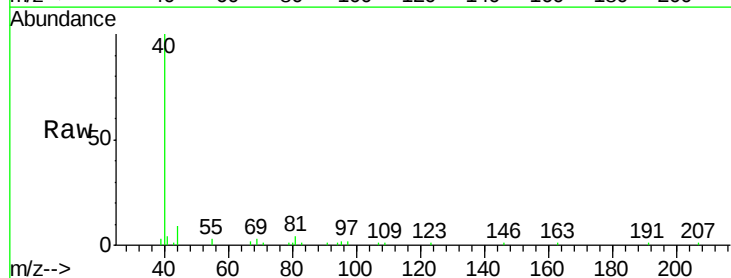
Instrument :
MSVOA_F
ClientSampleId :

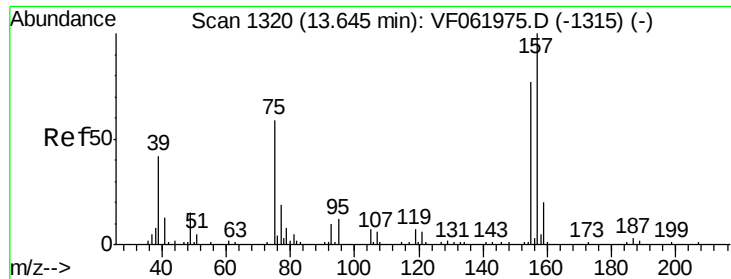
Tot Ion: 91 Resp: 538
Ion Ratio Lower Upper
91 100
92 38.2 31.7 95.1
134 0.0 15.1 45.3#



#91
1,2-Dichlorobenzene
Concen: 45.237 ug/l
RT: 13.09 min Scan# 1263
Delta R.T. 0.14 min
Lab File: VF061997.D
Acq: 18 Mar 2019 15:05

Tgt Ion: 146 Resp: 83
Ion Ratio Lower Upper
146 100
111 0.0 18.9 56.5#
148 0.0 32.9 98.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 650.558 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

Instrument :

MSVOA_F

ClientSampled :

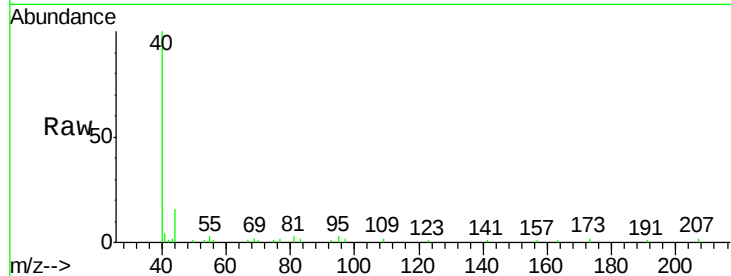
Tot Ion: 75 Resp: 75

Ion Ratio Lower Upper

75 100

155 0.0 65.0 195.1#

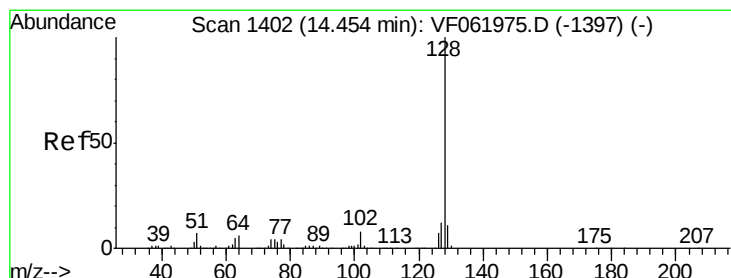
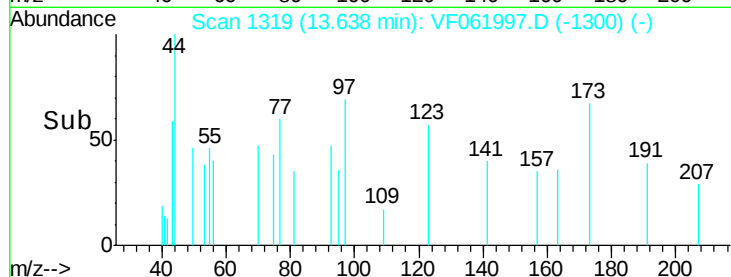
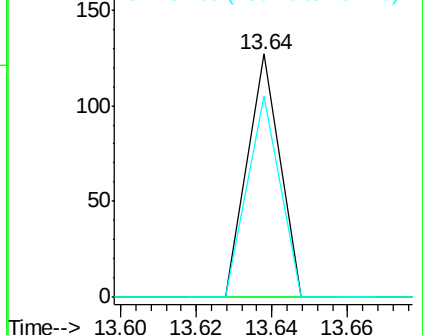
157 82.7 84.7 254.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#95

Naphthalene

Concen: 27.416 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VF061997.D

Acq: 18 Mar 2019 15:05

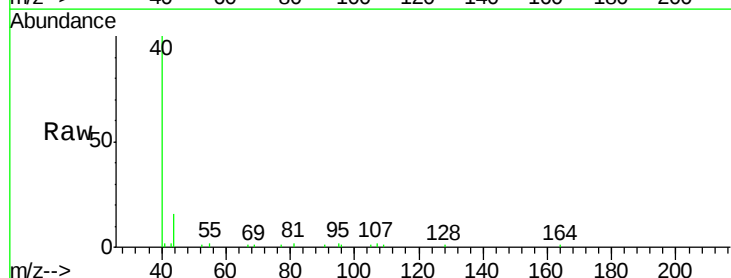
Tgt Ion:128 Resp: 63

Ion Ratio Lower Upper

128 100

127 0.0 9.3 13.9#

129 0.0 9.1 13.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

