

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061587.D
 Acq On : 11 Feb 2019 15:44
 Operator : VA/AP
 Sample : K1453-07
 Misc : 5.31g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 M-8-D

Quant Time: Feb 12 03:26:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	1825	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	1055	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	62	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	355	30.39	ug/l	0.00
Spiked Amount			Recovery	=	60.78%	
35) Dibromofluoromethane	4.10	113	221	15.35	ug/l	0.00
Spiked Amount			Recovery	=	30.70%	
50) Toluene-d8	7.54	98	1161	29.43	ug/l	0.00
Spiked Amount			Recovery	=	58.86%	
62) 4-Bromofluorobenzene	11.39	95	183	9.93	ug/l	0.00
Spiked Amount			Recovery	=	19.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.06	50	75	5.503	ug/l #	44
4) Vinyl Chloride	1.28	62	60	4.949	ug/l #	43
5) Bromomethane	1.31	94	835	105.618	ug/l #	2
6) Chloroethane	1.41	64	62	11.541	ug/l #	41
7) Trichlorofluoromethane	1.55	101	61	2.588	ug/l #	19
8) Diethyl Ether	1.56	74	67	22.185	ug/l	89
10) Methyl Iodide	1.82	142	70	3.987	ug/l #	1
11) Tert butyl alcohol	2.62	59	69	139.570	ug/l #	64
12) 1,1-Dichloroethene	1.80	96	66	7.844	ug/l #	1
13) Acrolein	1.99	56	325	742.000	ug/l	84
14) Allyl chloride	2.10	41	739	75.907	ug/l #	65
15) Acrylonitrile	2.91	53	167	131.876	ug/l #	1
16) Acetone	2.22	43	2064	880.899	ug/l #	61
17) Carbon Disulfide	1.85	76	132	5.032	ug/l #	69
18) Methyl Acetate	2.36	43	411	88.451	ug/l	96
19) Methyl tert-butyl Ether	2.44	73	131	6.945	ug/l #	1
20) Methylene Chloride	2.17	84	70	7.300	ug/l #	1
21) trans-1,2-Dichloroethene	2.30	96	111	11.991	ug/l #	1
22) Diisopropyl ether	2.78	45	466	15.564	ug/l #	13
23) Vinyl Acetate	3.23	43	835	65.787	ug/l #	78
24) 1,1-Dichloroethane	2.76	63	144	7.663	ug/l #	85
25) 2-Butanone	4.34	43	64	16.425	ug/l #	57
26) 2,2-Dichloropropane	3.53	77	70	6.063	ug/l #	61
27) cis-1,2-Dichloroethene	3.31	96	60	4.391	ug/l	1
28) Bromochloromethane	3.59	49	86	10.181	ug/l #	8
29) Tetrahydrofuran	4.07	42	61	36.358	ug/l #	38
31) Cyclohexane	3.50	56	144	7.671	ug/l #	13
37) Ethyl Acetate	4.07	43	86	10.167	ug/l #	5
39) Methylcyclohexane	5.38	83	88	3.838	ug/l #	54
40) Benzene	4.55	78	59	1.253	ug/l #	1
41) Methacrylonitrile	4.70	41	79	17.553	ug/l #	42
43) Isopropyl Acetate	6.95	43	313	29.484	ug/l #	51
44) Trichloroethene	5.48	130	63	4.362	ug/l	1
48) Methyl methacrylate	6.67	41	131	18.377	ug/l #	19

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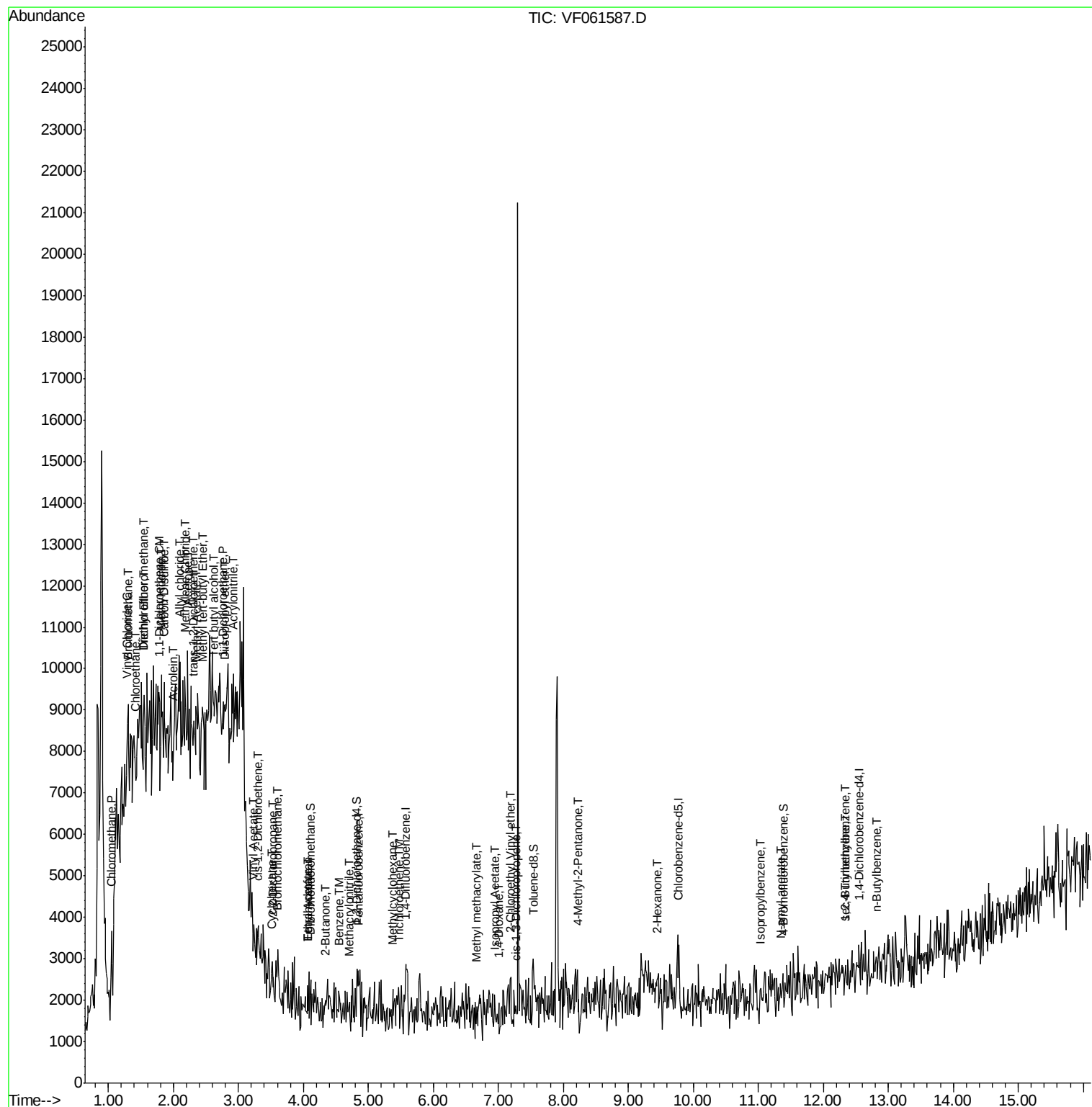
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) 1,4-Dioxane	7.00	88	64	1307.516	ug/l #	1
51) 4-Methyl-2-Pentanone	8.22	43	182	23.321	ug/l #	39
54) cis-1,3-Dichloropropene	7.27	75	60	2.973	ug/l #	31
58) 2-Chloroethyl Vinyl ether	7.18	63	73	87.994	ug/l #	47
59) 2-Hexanone	9.44	43	64	11.760	ug/l #	26
73) Isopropylbenzene	11.05	105	62	12.295	ug/l #	50
74) N-amyl acetate	11.34	43	256	214.696	ug/l #	53
84) 1,2,4-Trimethylbenzene	12.35	105	98	23.379	ug/l #	28
85) sec-Butylbenzene	12.35	105	98	17.133	ug/l #	56
89) n-Butylbenzene	12.81	91	67	13.836	ug/l #	27

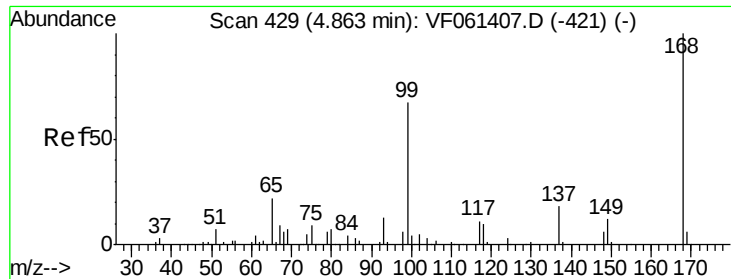
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

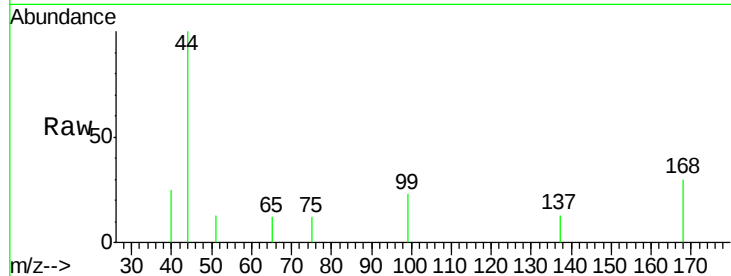
M-8-D

Tot Ion:168 Resp: 946

Ion Ratio Lower Upper

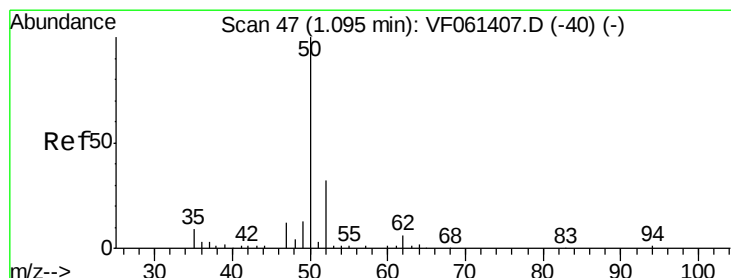
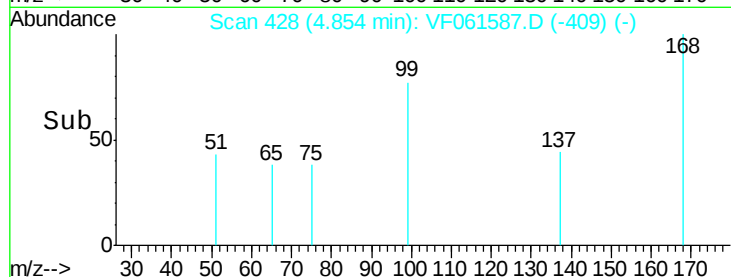
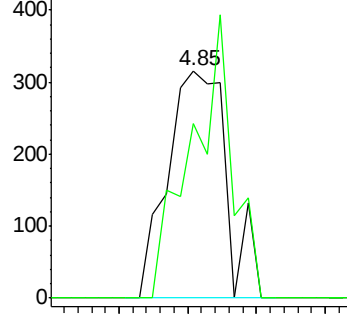
168 100

99 76.6 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 5.503 ug/l

RT: 1.06 min Scan# 43

Delta R.T. -0.04 min

Lab File: VF061587.D

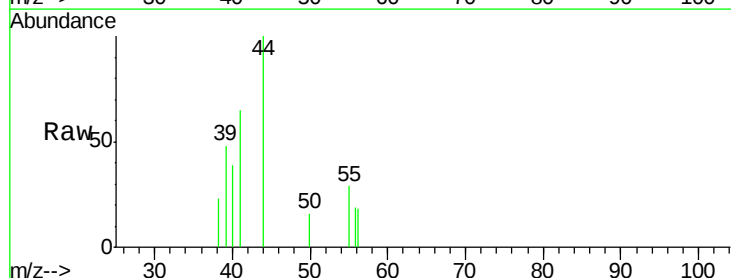
Acq: 11 Feb 2019 15:44

Tgt Ion: 50 Resp: 75

Ion Ratio Lower Upper

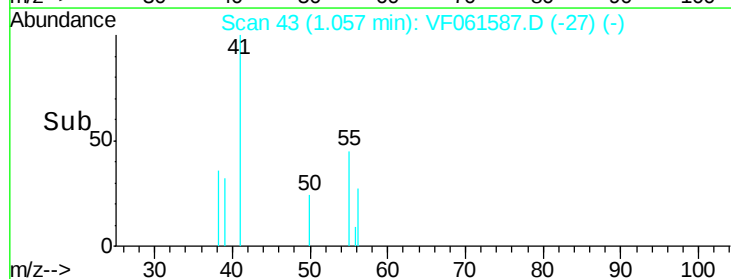
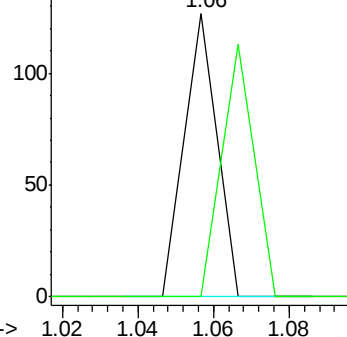
50 100

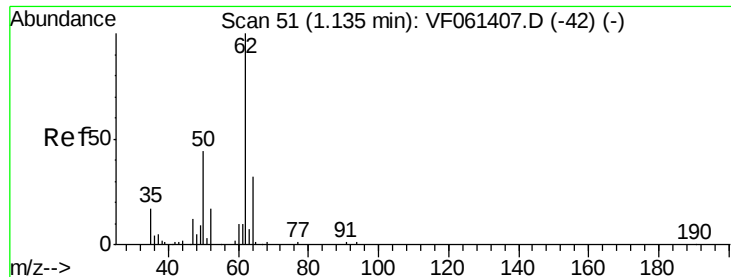
52 0.0 24.6 36.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#4

Vinyl Chloride

Concen: 4.949 ug/l

RT: 1.28 min Scan# 66

Delta R.T. 0.15 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

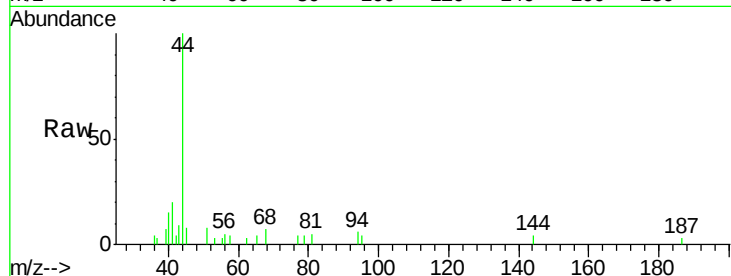
M-8-D

Tot Ion: 62 Resp: 60

Ion Ratio Lower Upper

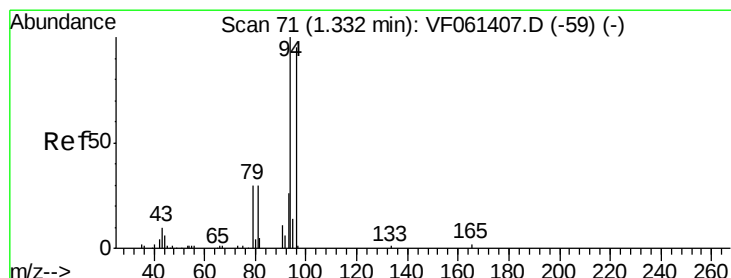
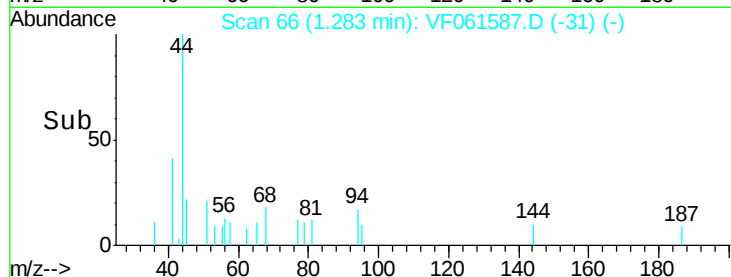
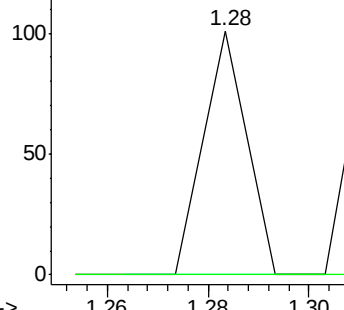
62 100

64 0.0 25.6 38.4#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



#5

Bromomethane

Concen: 105.618 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF061587.D

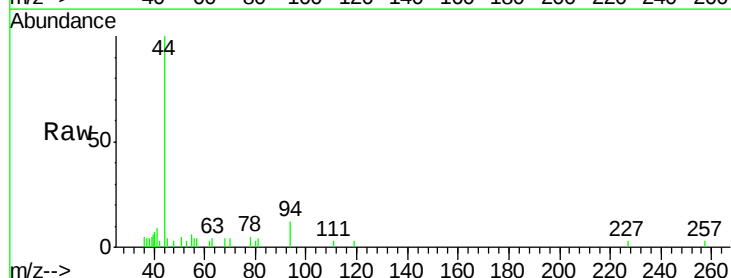
Acq: 11 Feb 2019 15:44

Tgt Ion: 94 Resp: 835

Ion Ratio Lower Upper

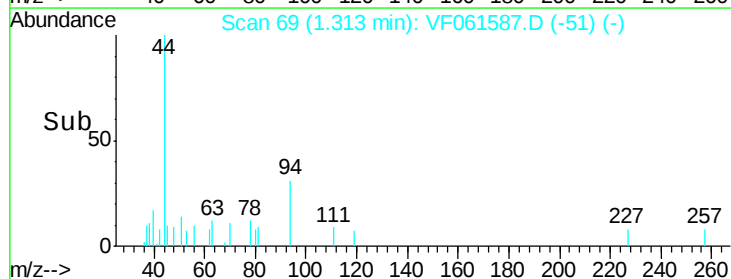
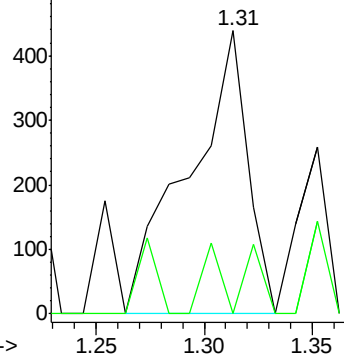
94 100

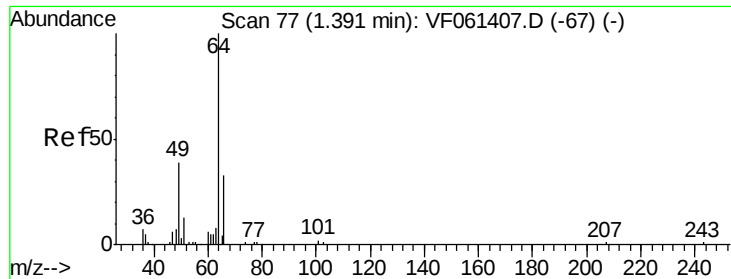
96 0.0 76.0 114.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 11.541 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampleId :

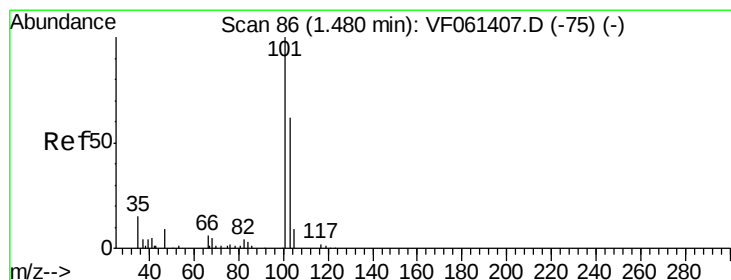
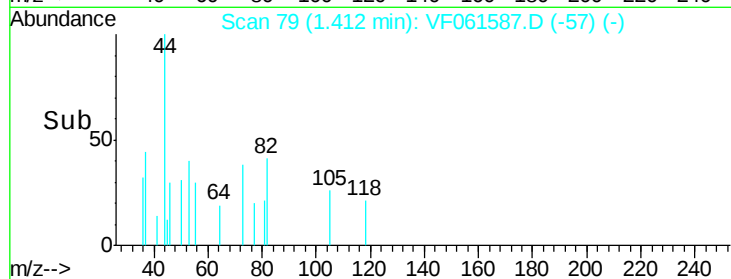
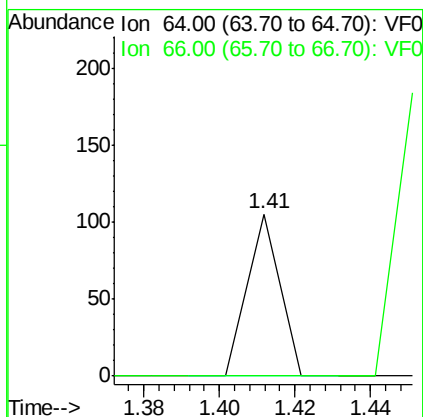
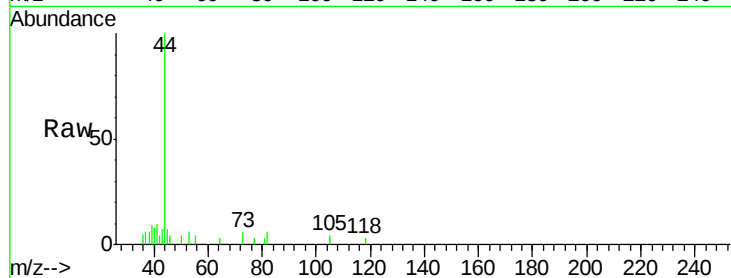
M-8-D

Tot Ion: 64 Resp: 62

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#7

Trichlorofluoromethane

Concen: 2.588 ug/l

RT: 1.55 min Scan# 93

Delta R.T. 0.07 min

Lab File: VF061587.D

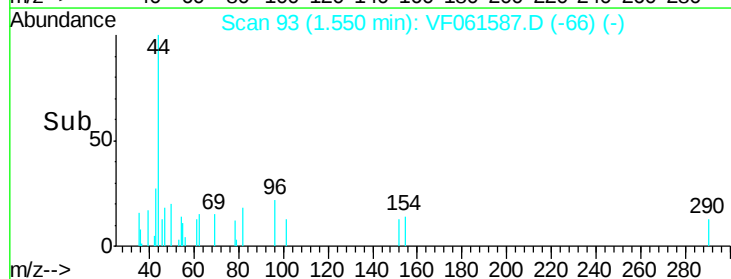
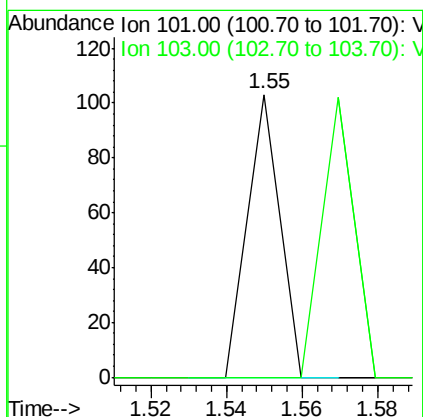
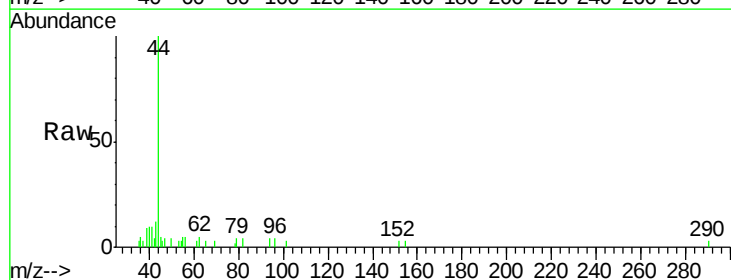
Acq: 11 Feb 2019 15:44

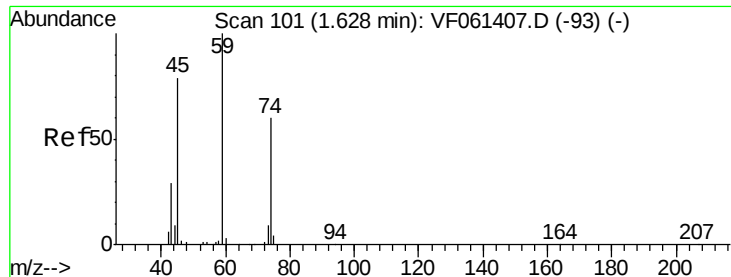
Tgt Ion: 101 Resp: 61

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#





#8

Diethyl Ether

Concen: 22.185 ug/l

RT: 1.56 min Scan# 94

Delta R.T. -0.07 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

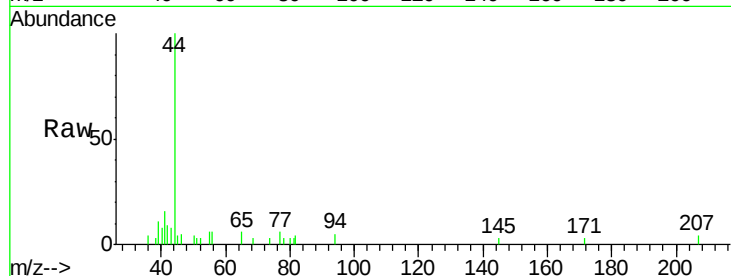
M-8-D

Tot Ion: 74 Resp: 67

Ion Ratio Lower Upper

74 100

45 118.6 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

400

300

200

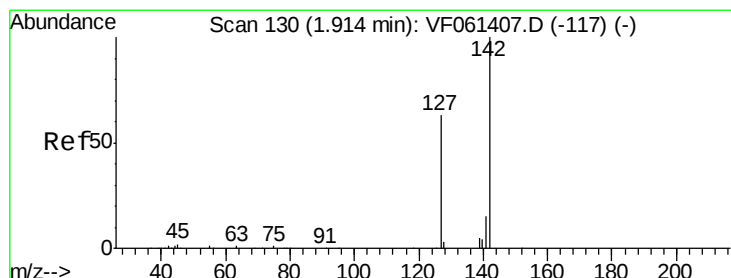
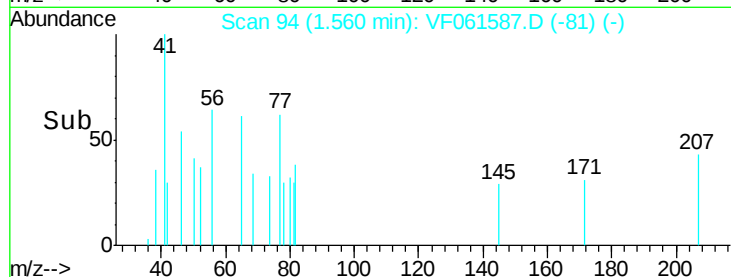
100

0

1.54 1.56 1.58

1.56

Time-->



#10

Methyl Iodide

Concen: 3.987 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.10 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

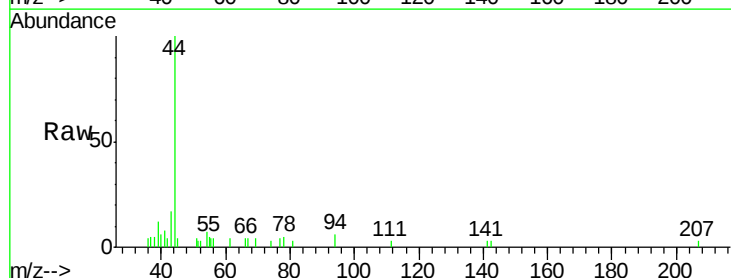
Tgt Ion: 142 Resp: 70

Ion Ratio Lower Upper

142 100

127 0.0 50.7 76.1#

141 89.0 11.8 17.6#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

150

100

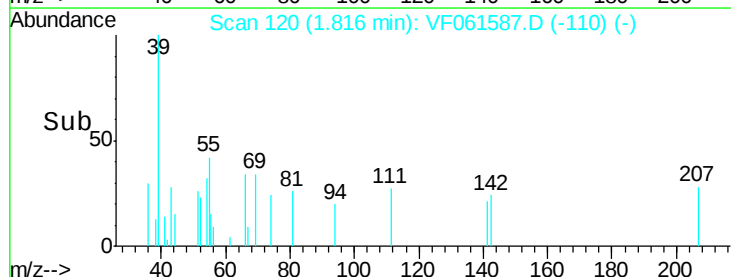
50

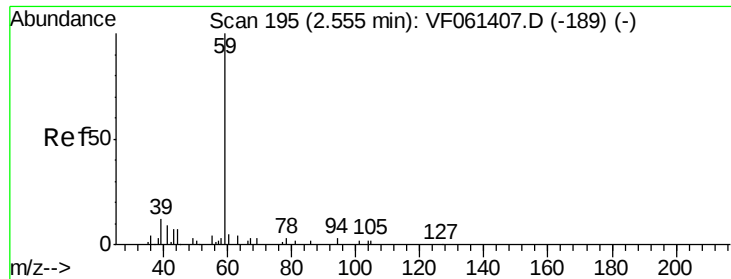
0

1.78 1.80 1.82 1.84

1.82

Time-->



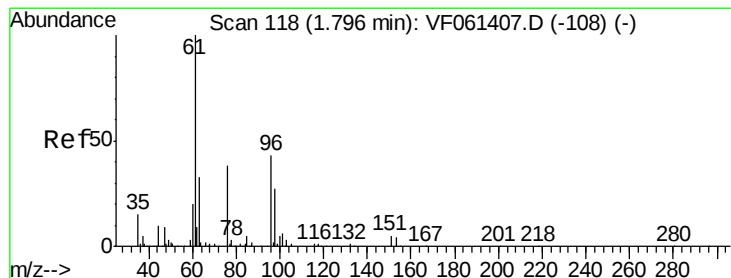
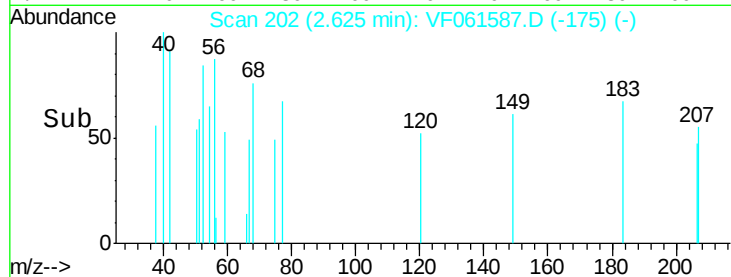
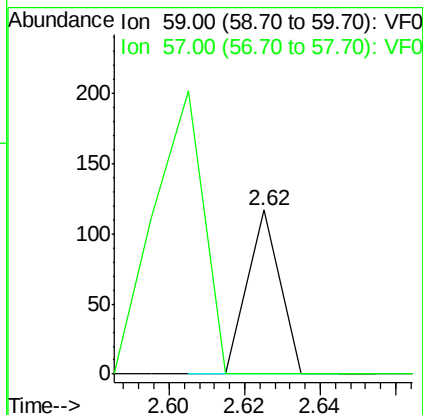
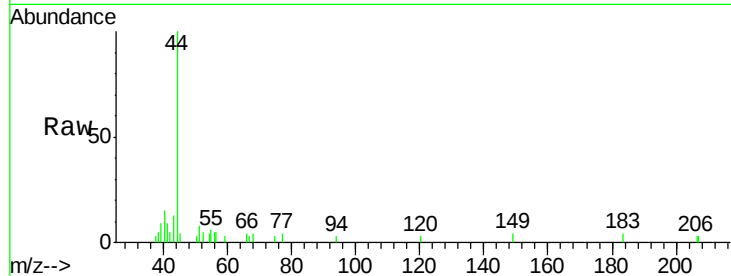


#11

Tert butyl alcohol
 Concen: 139.570 ug/l
 RT: 2.62 min Scan# 202
 Delta R.T. 0.07 min
 Lab File: VF061587.D
 Acq: 11 Feb 2019 15:44

Instrument :
 MSVOA_F
 ClientSampleId :
 M-8-D

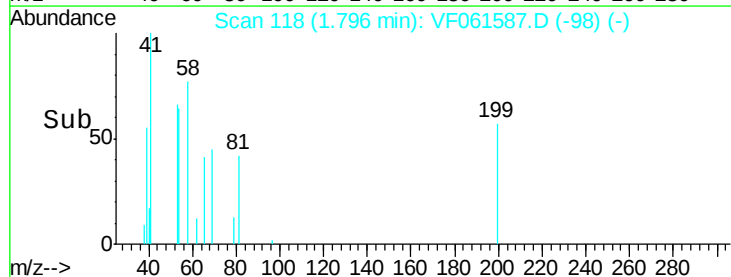
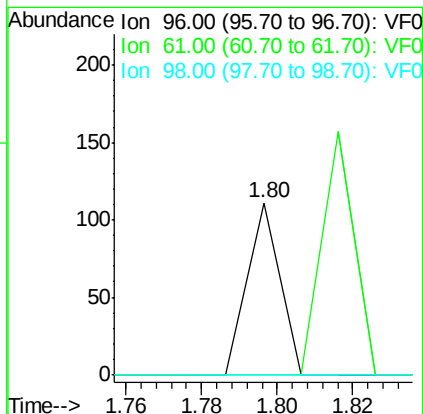
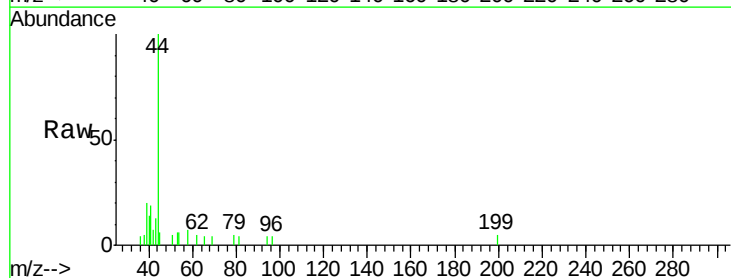
Tot Ion: 59 Resp: 69
 Ion Ratio Lower Upper
 59 100
 57 0.0 11.9 17.9#

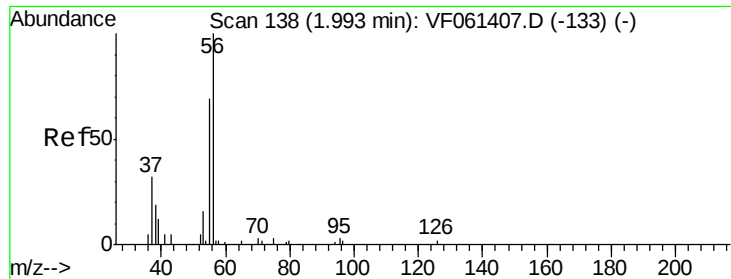


#12

1,1-Dichloroethene
 Concen: 7.844 ug/l
 RT: 1.80 min Scan# 118
 Delta R.T. 0.00 min
 Lab File: VF061587.D
 Acq: 11 Feb 2019 15:44

Tgt Ion: 96 Resp: 66
 Ion Ratio Lower Upper
 96 100
 61 0.0 186.9 280.3#
 98 0.0 53.0 79.4#





#13

Acrolein

Concen: 742.000 ug/l

RT: 1.99 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampleId :

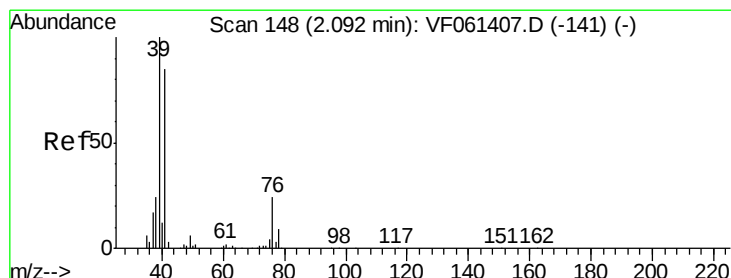
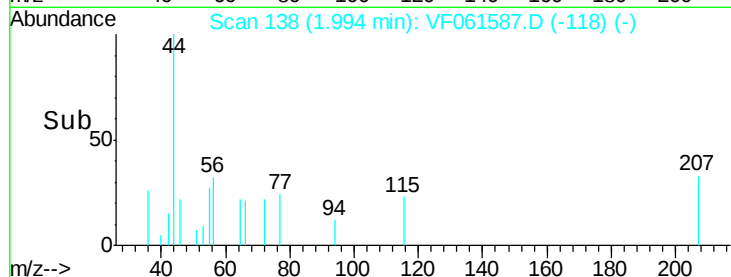
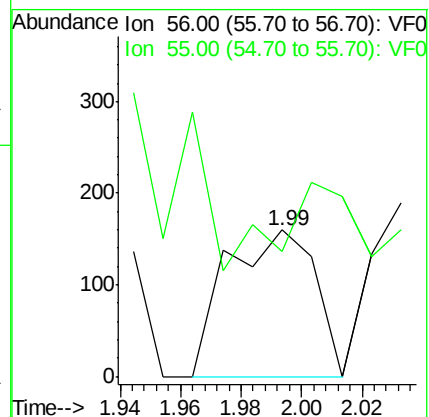
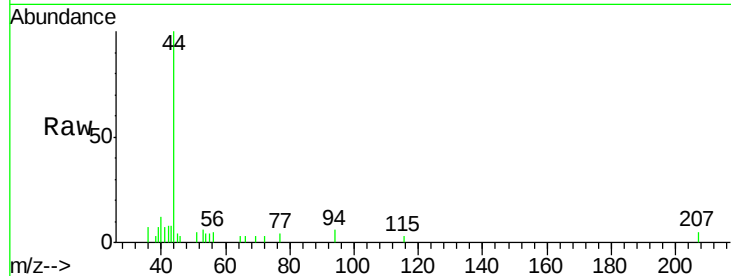
M-8-D

Tot Ion: 56 Resp: 325

Ion Ratio Lower Upper

56 100

55 85.6 57.5 86.3



#14

Allyl chloride

Concen: 75.907 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

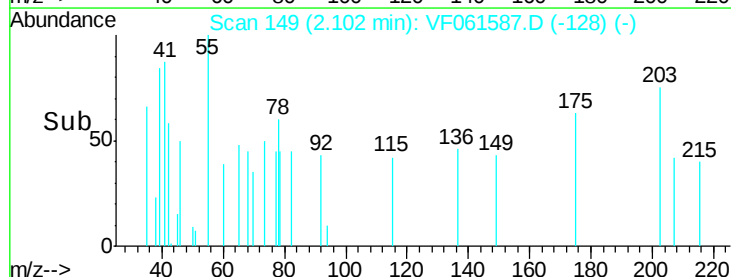
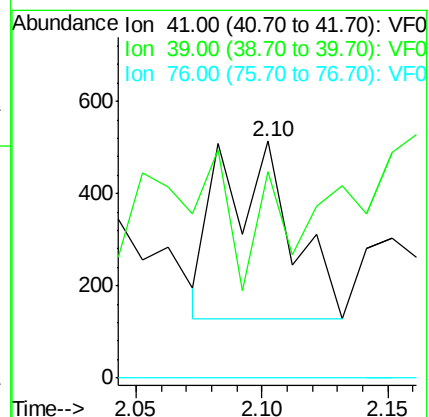
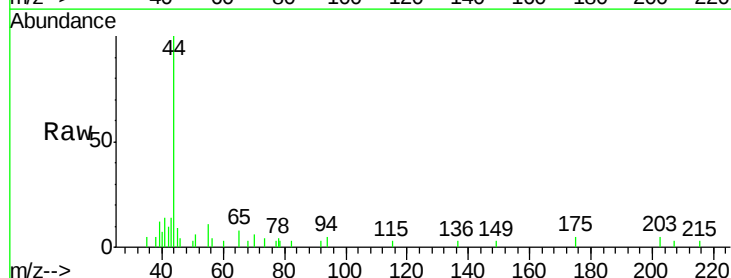
Tgt Ion: 41 Resp: 739

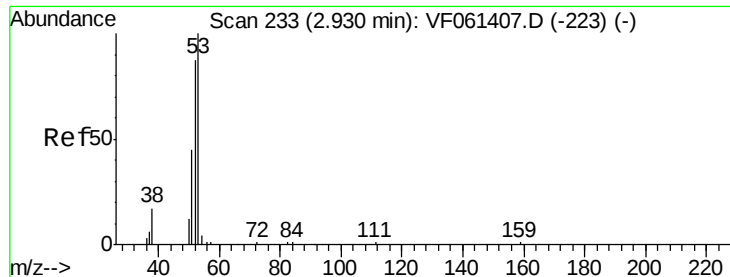
Ion Ratio Lower Upper

41 100

39 87.0 94.6 141.8#

76 0.0 25.9 38.9#





#15

Acrylonitrile

Concen: 131.876 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.02 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

M-8-D

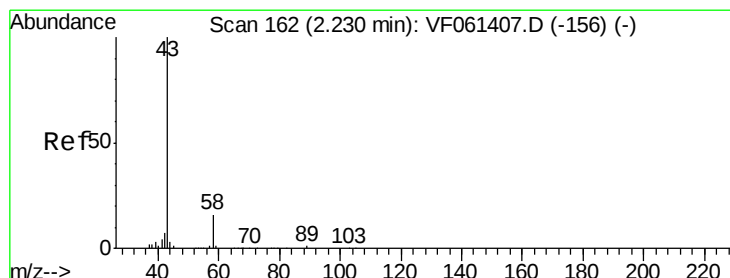
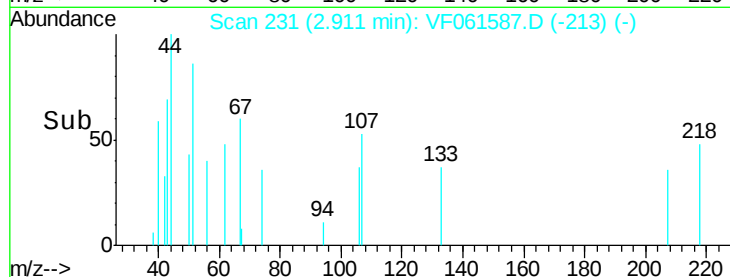
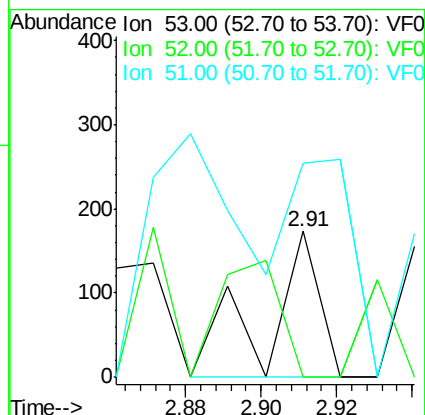
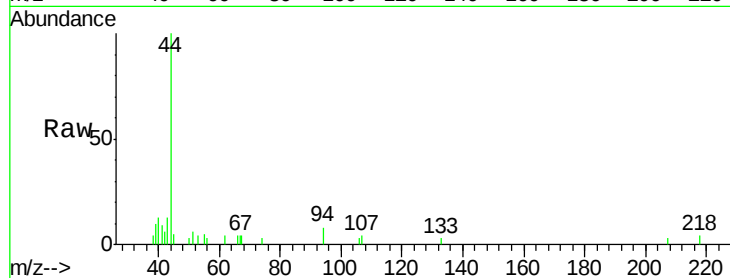
Tot Ion: 53 Resp: 167

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 147.4 36.8 55.2#



#16

Acetone

Concen: 880.899 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF061587.D

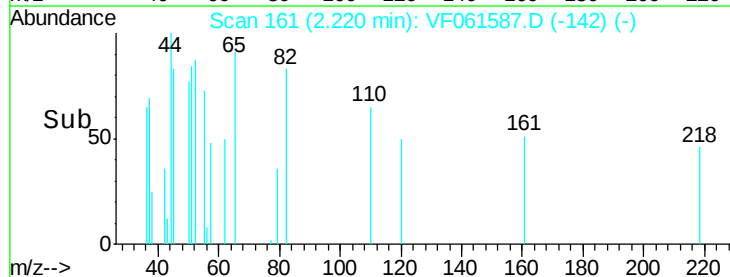
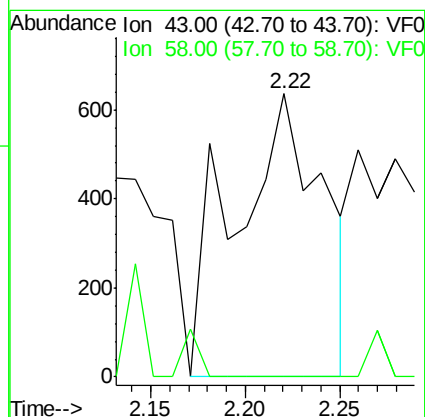
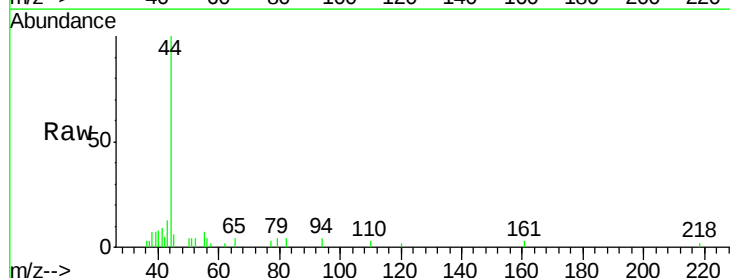
Acq: 11 Feb 2019 15:44

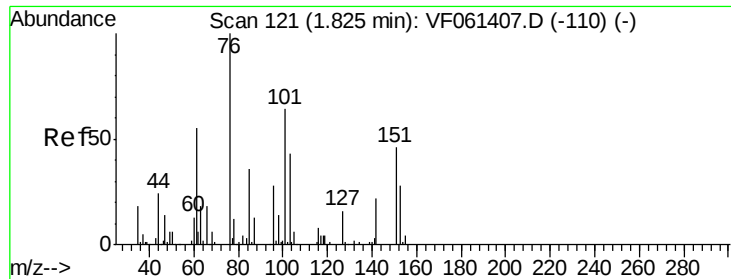
Tgt Ion: 43 Resp: 2064

Ion Ratio Lower Upper

43 100

58 0.0 13.3 19.9#





#17

Carbon Disulfide

Concen: 5.032 ug/l

RT: 1.85 min Scan# 123

Delta R.T. 0.02 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

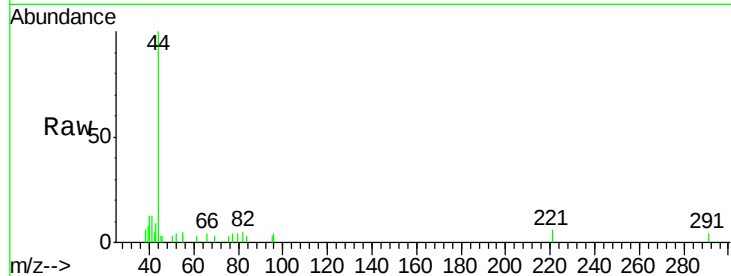
M-8-D

Tot Ion: 76 Resp: 132

Ion Ratio Lower Upper

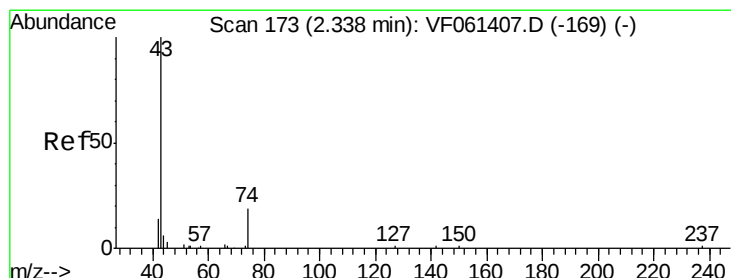
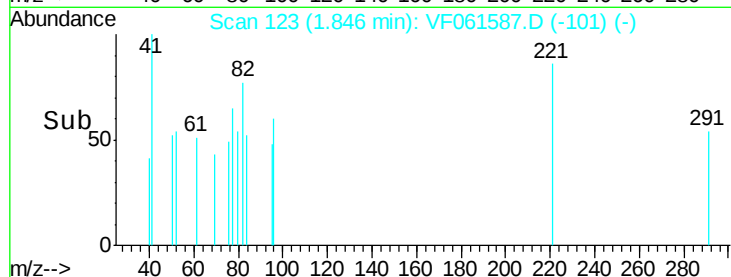
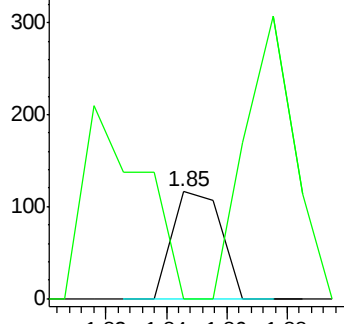
76 100

78 0.0 9.6 14.4#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 88.451 ug/l

RT: 2.36 min Scan# 175

Delta R.T. 0.02 min

Lab File: VF061587.D

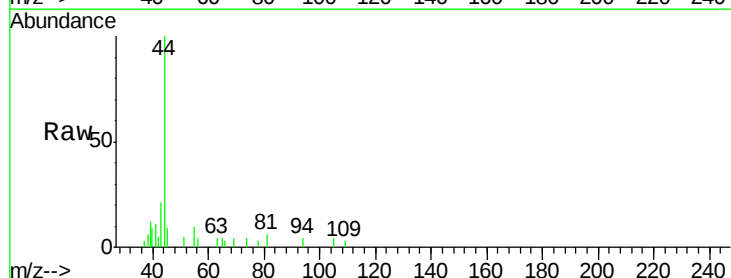
Acq: 11 Feb 2019 15:44

Tgt Ion: 43 Resp: 411

Ion Ratio Lower Upper

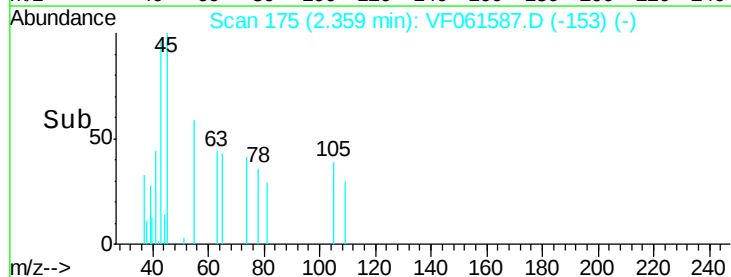
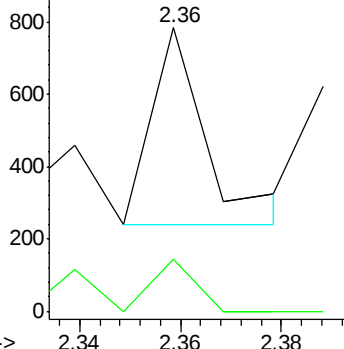
43 100

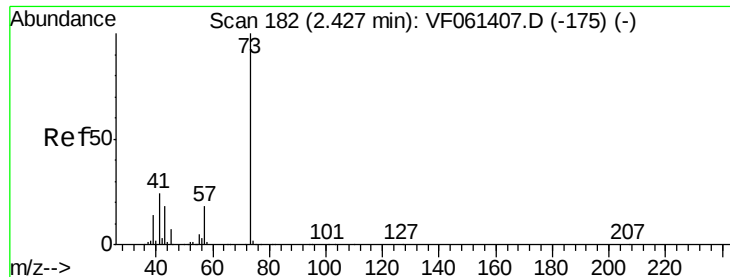
74 18.4 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



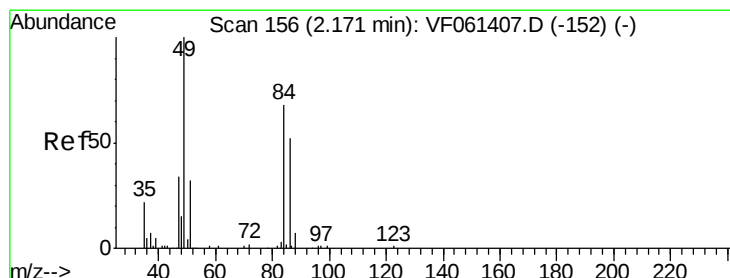
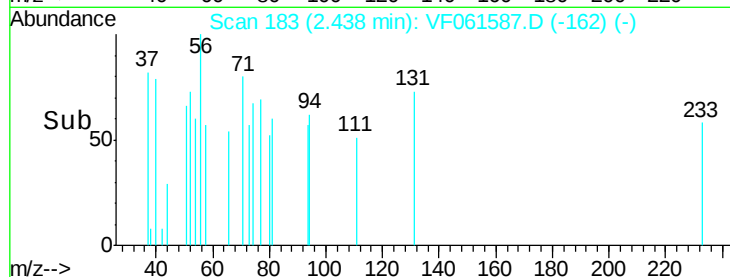
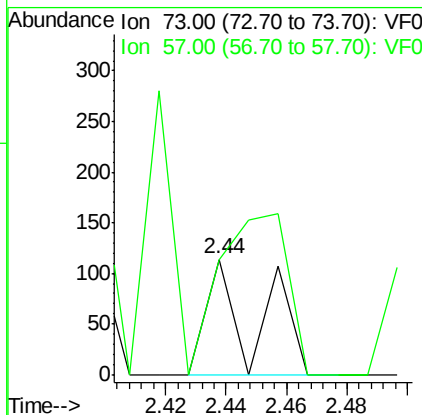
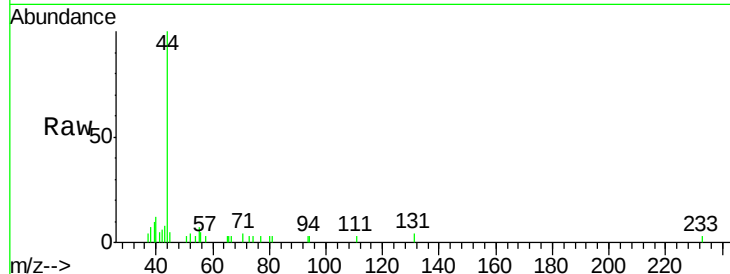


#19

Methyl tert-butyl Ether
 Concen: 6.945 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061587.D
 Acq: 11 Feb 2019 15:44

Instrument :
 MSVOA_F
 ClientSampleId :
 M-8-D

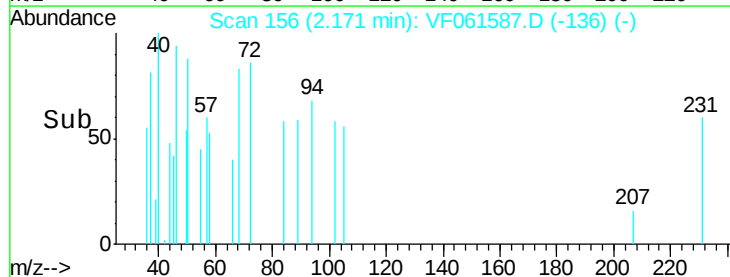
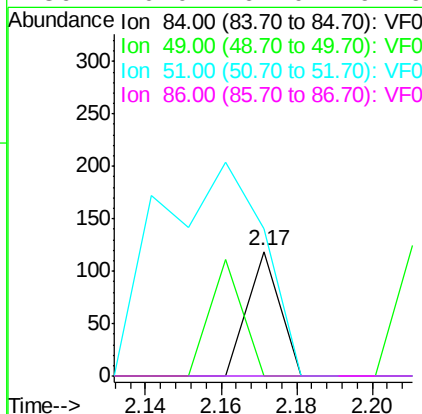
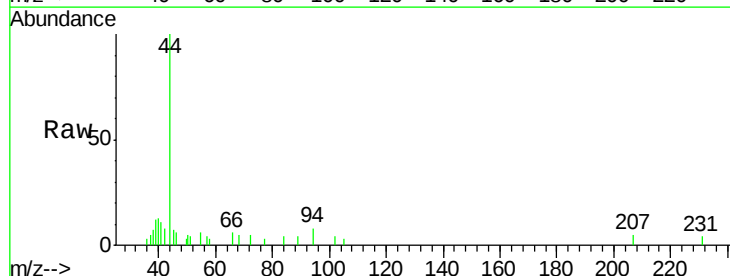
Tot Ion: 73 Resp: 131
 Ion Ratio Lower Upper
 73 100
 57 99.1 14.8 22.2#

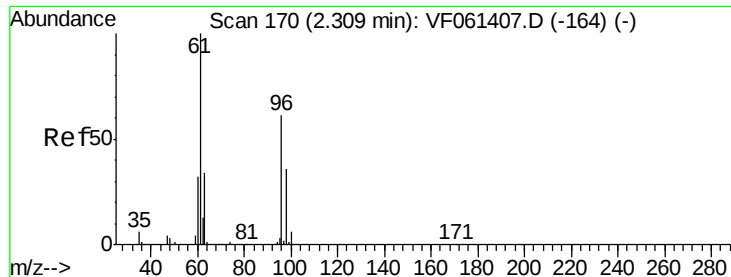


#20

Methylene Chloride
 Concen: 7.300 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. 0.00 min
 Lab File: VF061587.D
 Acq: 11 Feb 2019 15:44

Tgt Ion: 84 Resp: 70
 Ion Ratio Lower Upper
 84 100
 49 0.0 120.0 180.0#
 51 118.5 38.6 58.0#
 86 0.0 61.0 91.6#





#21

trans-1,2-Dichloroethene

Concen: 11.991 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampleId :

M-8-D

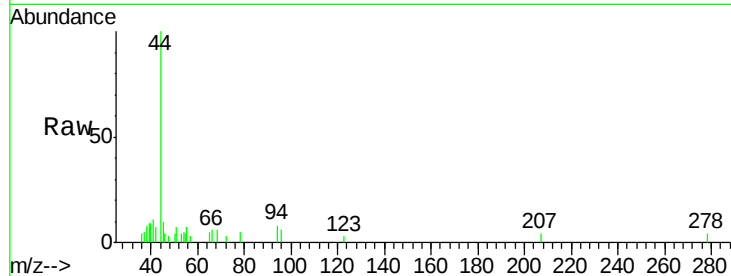
Tot Ion: 96 Resp: 111

Ion Ratio Lower Upper

96 100

61 0.0 131.8 197.8#

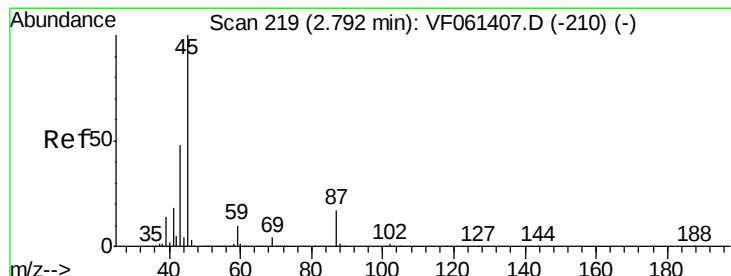
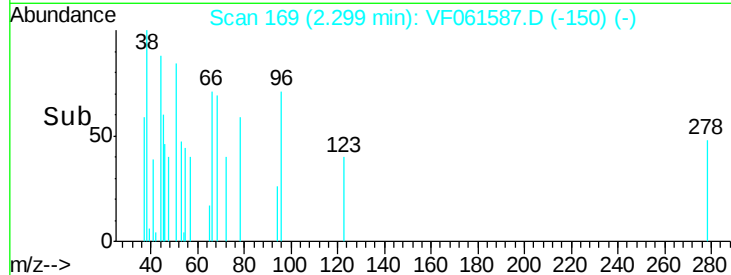
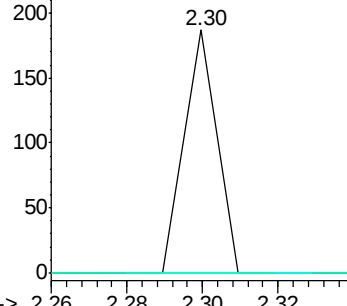
98 0.0 47.4 71.0#



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: 15.564 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Tgt Ion: 45 Resp: 466

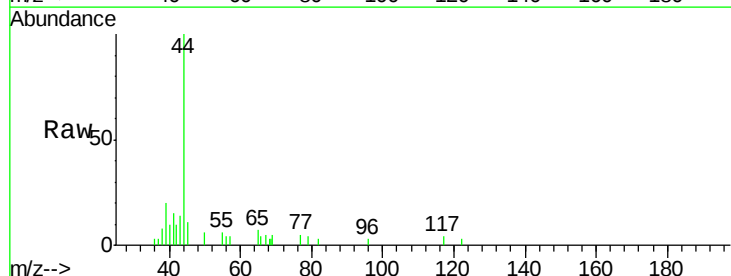
Ion Ratio Lower Upper

45 100

43 128.1 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#

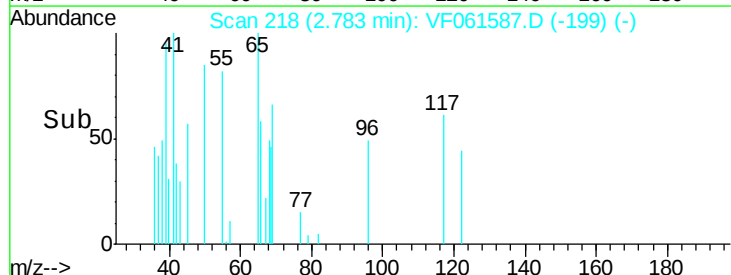
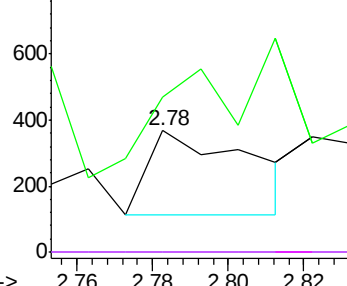


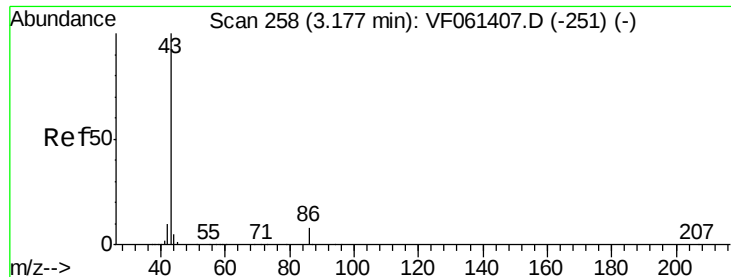
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 65.787 ug/l

RT: 3.23 min Scan# 263

Delta R.T. 0.05 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampleId :

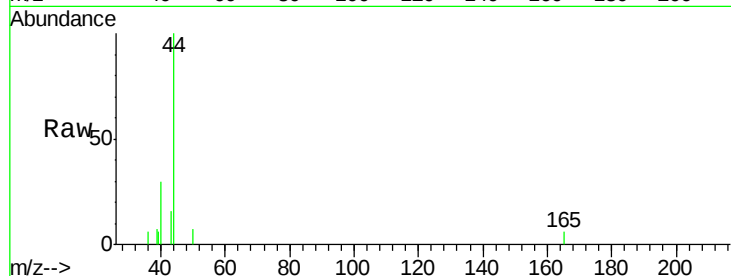
M-8-D

Tot Ion: 43 Resp: 835

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



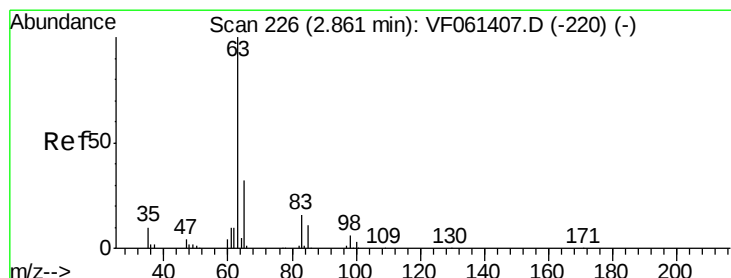
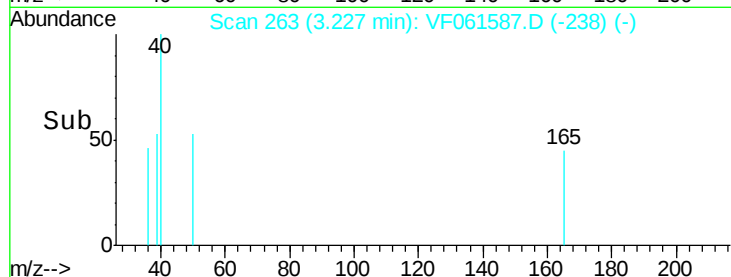
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.23

3.25

Time-->



#24

1,1-Dichloroethane

Concen: 7.663 ug/l

RT: 2.76 min Scan# 216

Delta R.T. -0.10 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

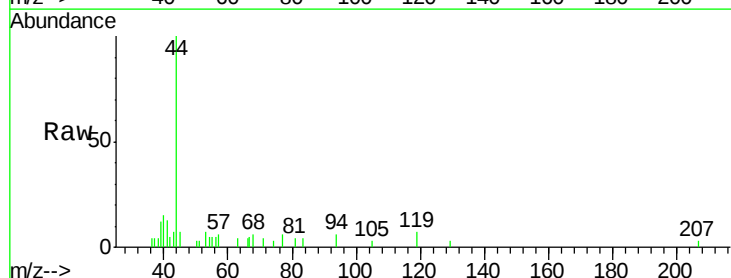
Tgt Ion: 63 Resp: 144

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 1.6 4.8#



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

150

100

50

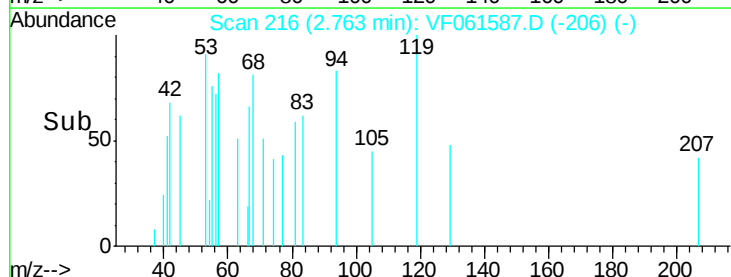
0

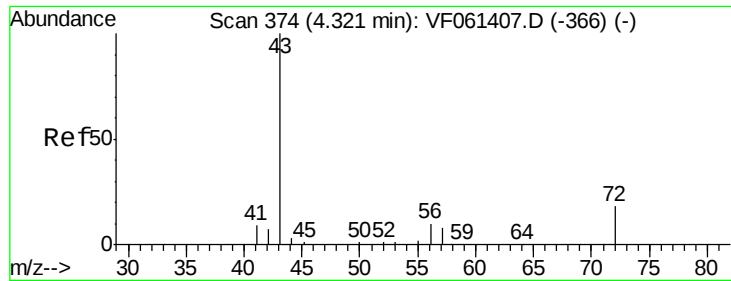
2.74

2.76

2.78

Time-->





#25

2-Butanone

Concen: 16.425 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.02 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

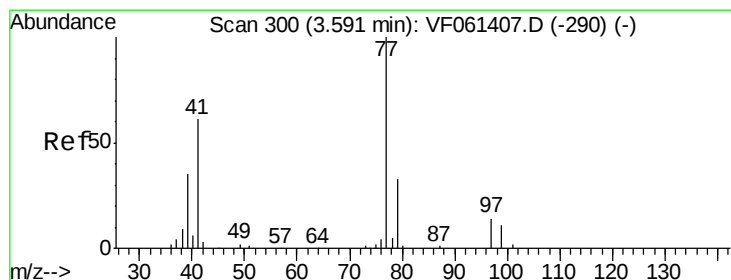
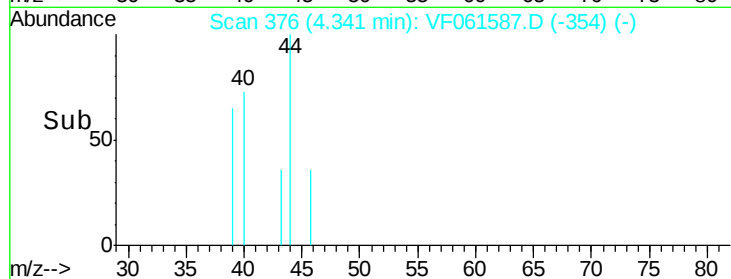
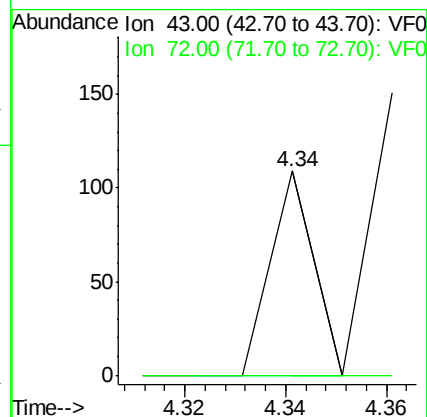
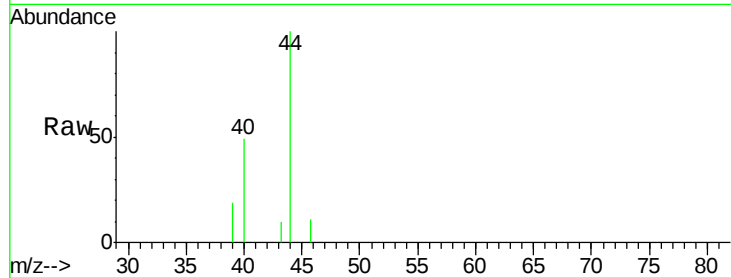
M-8-D

Tot Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#26

2,2-Dichloropropane

Concen: 6.063 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.06 min

Lab File: VF061587.D

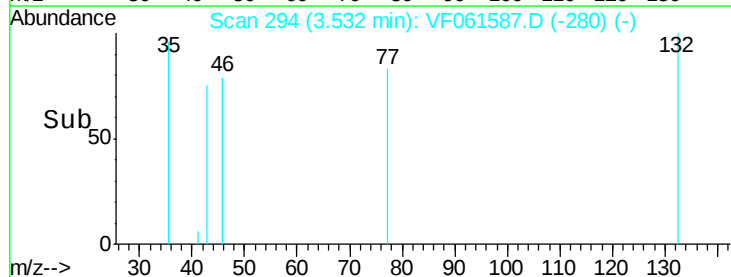
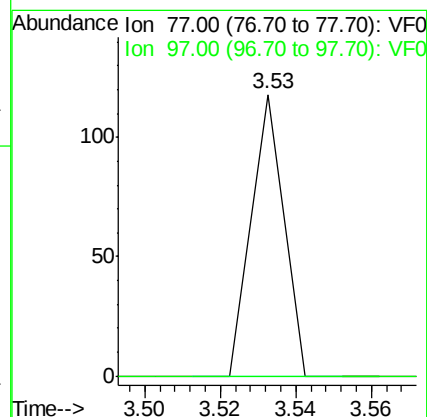
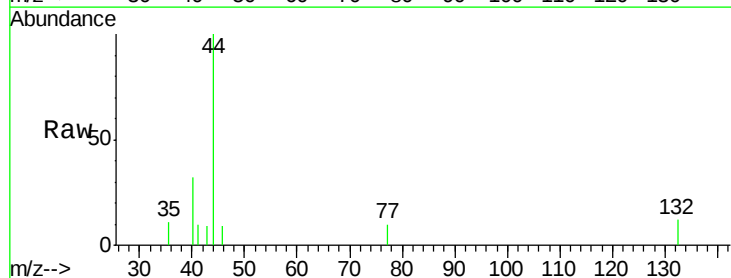
Acq: 11 Feb 2019 15:44

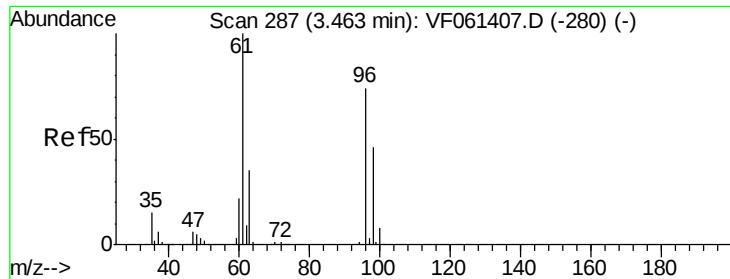
Tgt Ion: 77 Resp: 70

Ion Ratio Lower Upper

77 100

97 0.0 8.5 25.5#



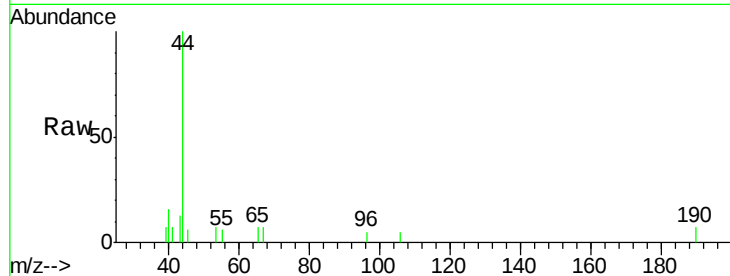


#27

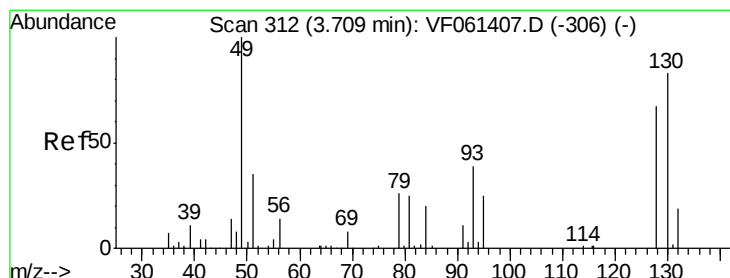
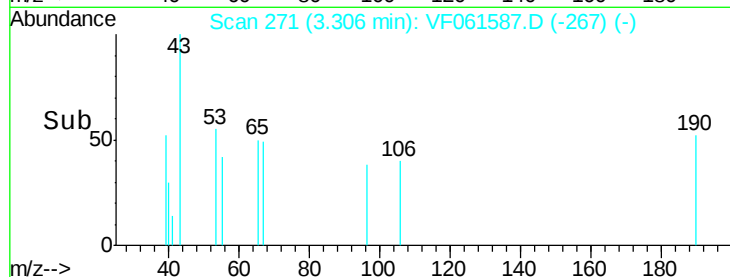
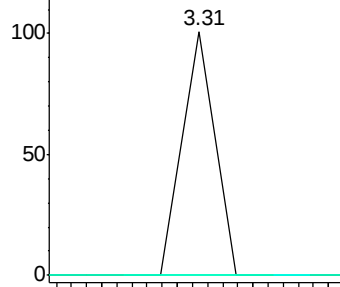
cis-1,2-Dichloroethene
 Concen: 4.391 ug/l
 RT: 3.31 min Scan# 271
 Delta R.T. -0.16 min
 Lab File: VF061587.D
 Acq: 11 Feb 2019 15:44

Instrument :
 MSVOA_F
 ClientSampled :
 M-8-D

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	270.2
98	0.0	0.0	124.0



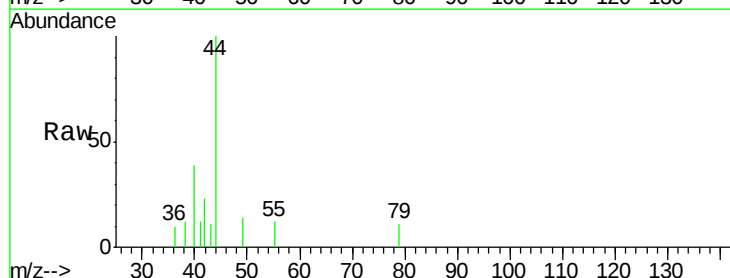
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



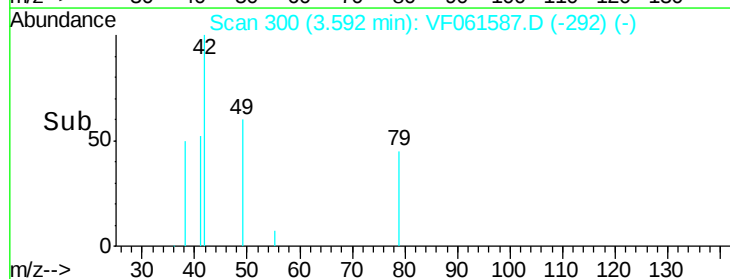
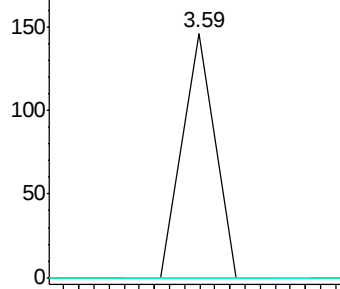
#28

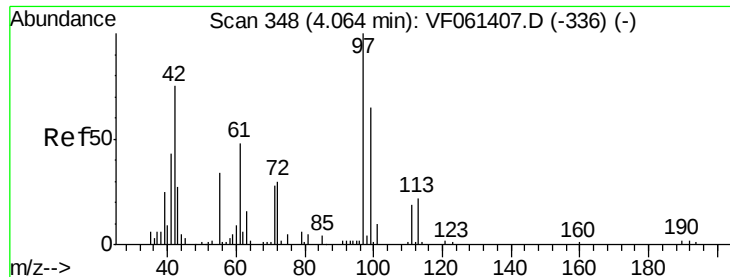
Bromochloromethane
 Concen: 10.181 ug/l
 RT: 3.59 min Scan# 300
 Delta R.T. -0.12 min
 Lab File: VF061587.D
 Acq: 11 Feb 2019 15:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	0.0	65.4	98.2#



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

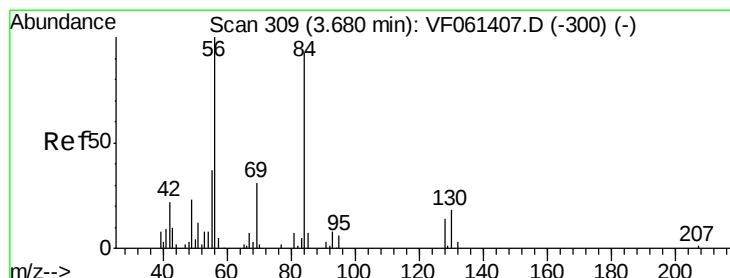
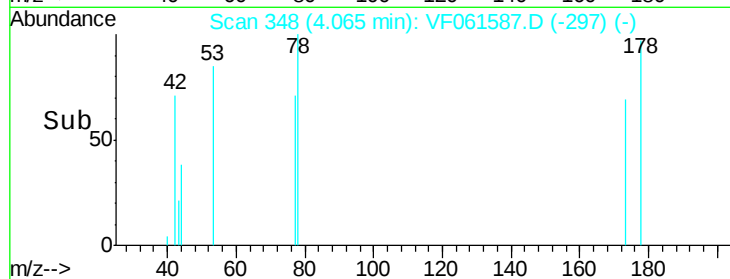
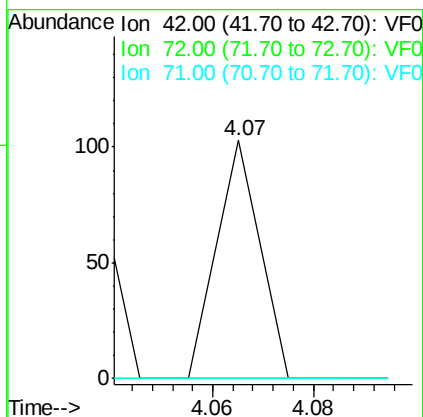
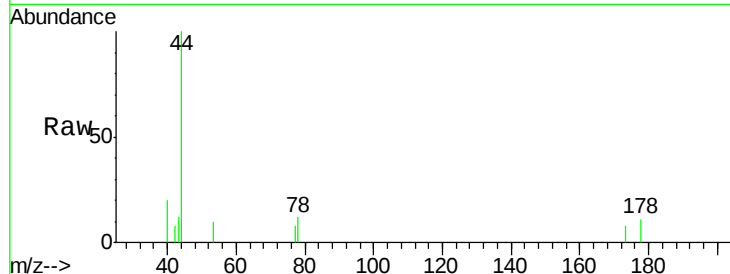




#29
Tetrahydrofuran
Concen: 36.358 ug/l
RT: 4.07 min Scan# 348
Delta R.T. 0.00 min
Lab File: VF061587.D
Acq: 11 Feb 2019 15:44

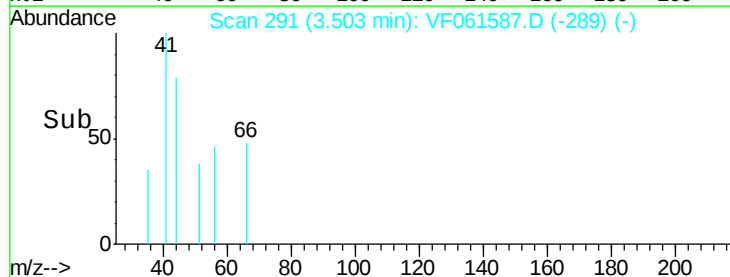
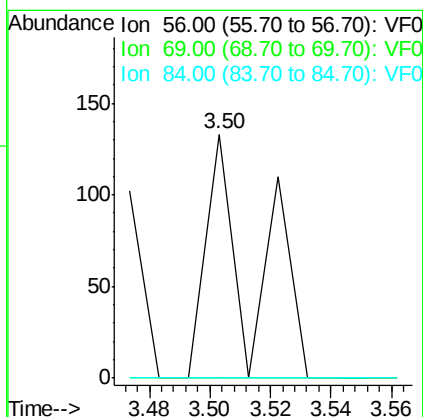
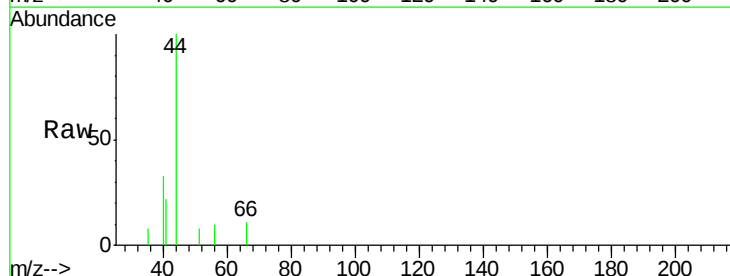
Instrument :
MSVOA_F
ClientSampled :
M-8-D

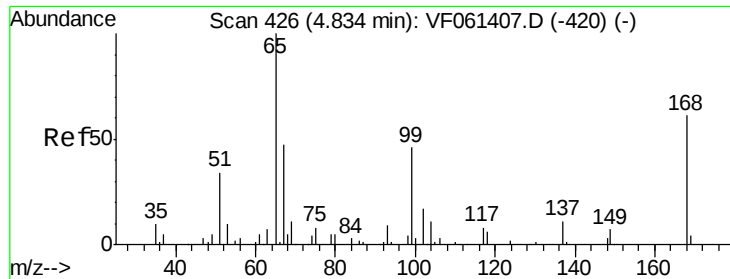
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.9	43.3#
71	0.0	29.6	44.4#



#31
Cyclohexane
Concen: 7.671 ug/l
RT: 3.50 min Scan# 291
Delta R.T. -0.18 min
Lab File: VF061587.D
Acq: 11 Feb 2019 15:44

Tgt Ion	Ratio	Lower	Upper
56	100		
69	0.0	24.6	36.8#
84	0.0	74.2	111.2#





#33

1,2-Dichloroethane-d4

Concen: 30.395 ug/l

RT: 4.83 min Scan# 426

Delta R.T. 0.00 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

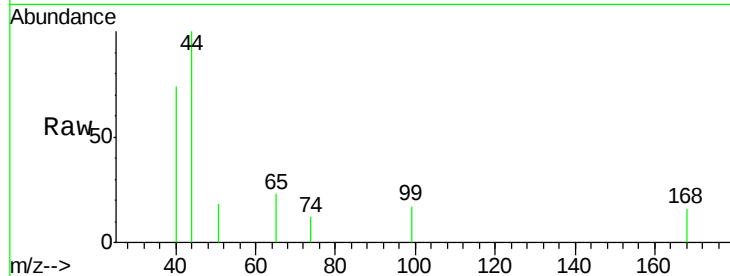
M-8-D

Tot Ion: 65 Resp: 355

Ion Ratio Lower Upper

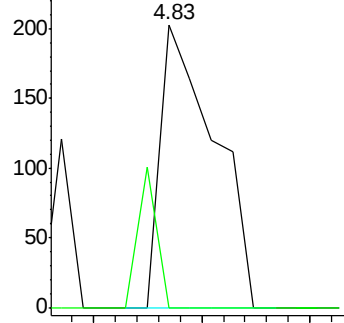
65 100

67 0.0 0.0 99.8

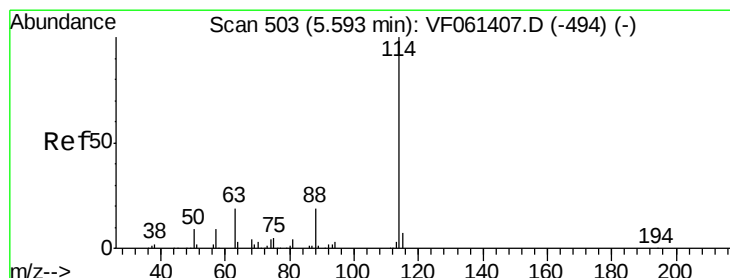
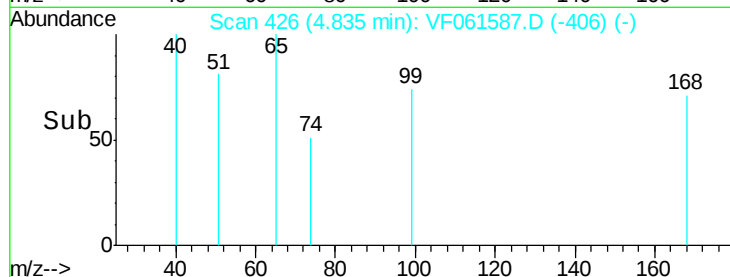


Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

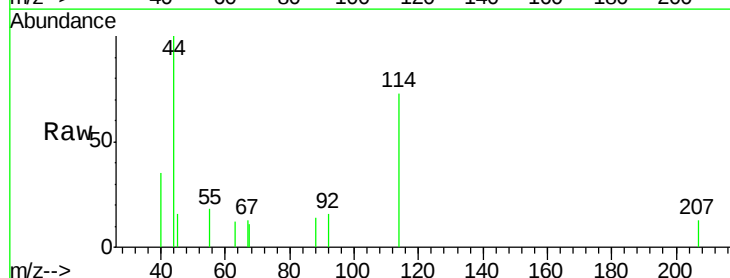
Tgt Ion: 114 Resp: 1825

Ion Ratio Lower Upper

114 100

63 16.6 0.0 39.0

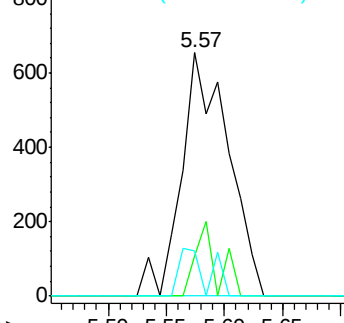
88 18.6 0.0 37.4



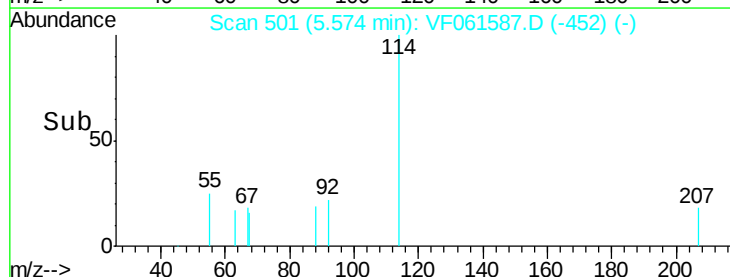
Abundance Ion 114.00 (113.70 to 114.70): V

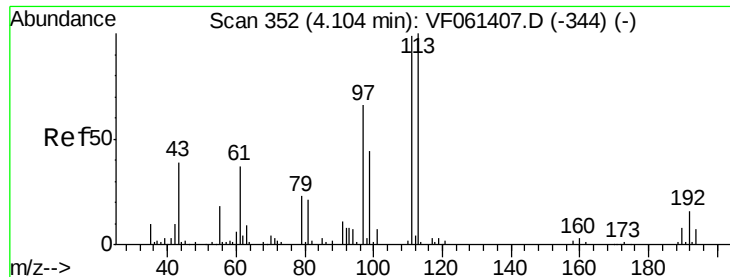
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



Time-->

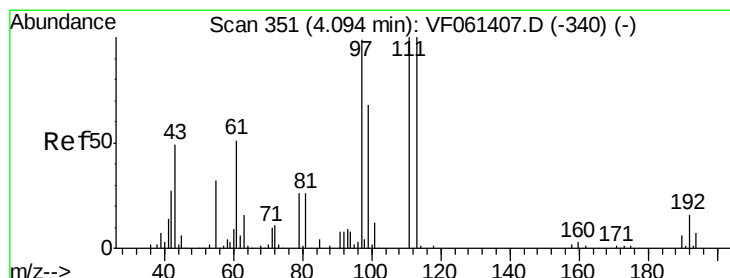
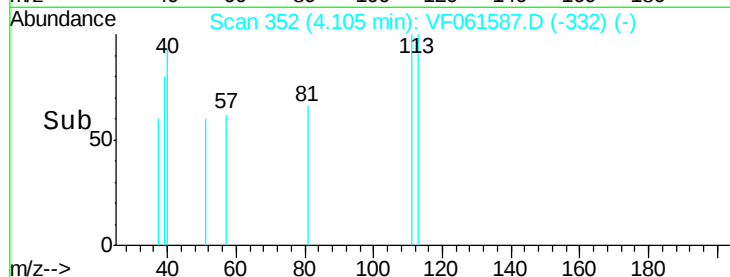
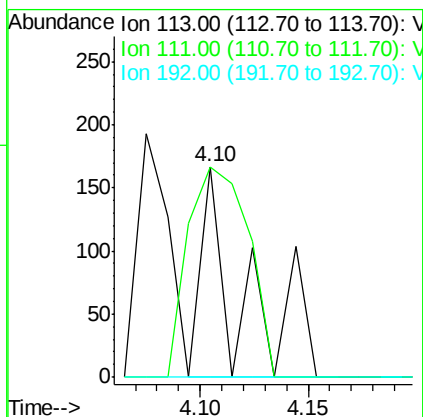
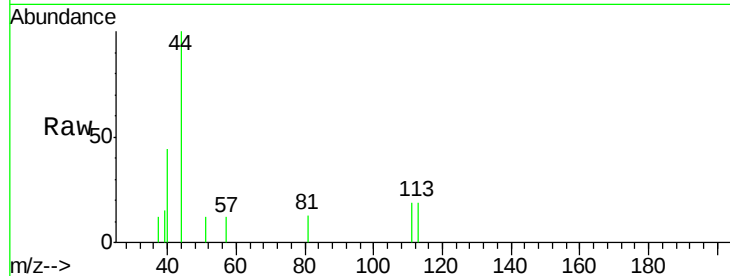




#35
Dibromofluoromethane
Concen: 15.346 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061587.D
Acq: 11 Feb 2019 15:44

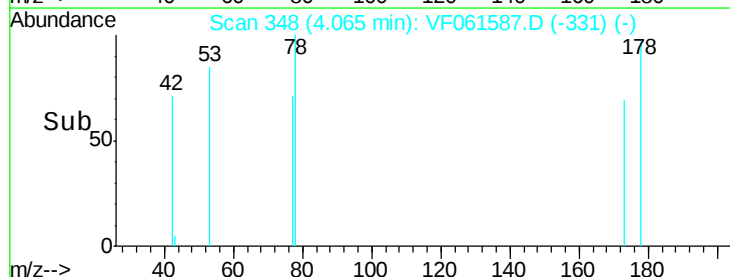
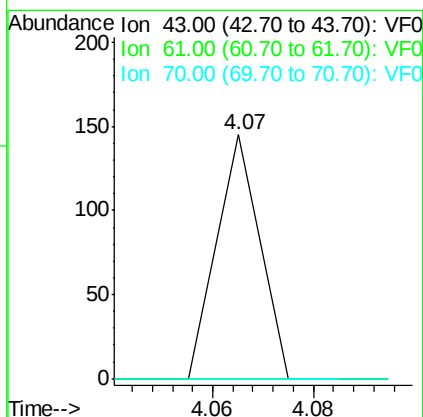
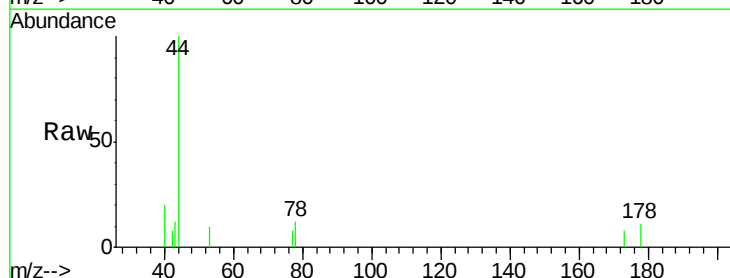
Instrument :
MSVOA_F
ClientSampled :
M-8-D

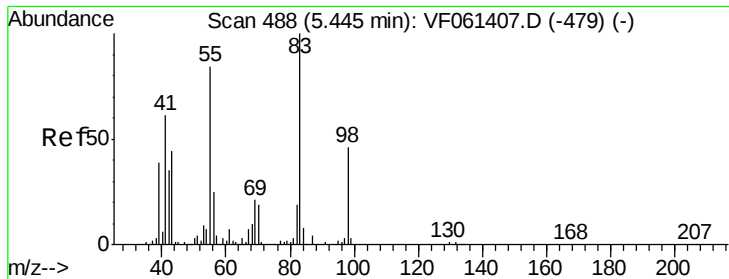
Tot Ion:113 Resp: 221
Ion Ratio Lower Upper
113 100
111 100.0 79.4 119.0
192 0.0 12.4 18.6#



#37
Ethyl Acetate
Concen: 10.167 ug/l
RT: 4.07 min Scan# 348
Delta R.T. -0.03 min
Lab File: VF061587.D
Acq: 11 Feb 2019 15:44

Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
61 0.0 81.7 122.5#
70 0.0 6.2 9.2#





#39

Methvlcvclohexane

Concen: 3.838 ug/l

RT: 5.38 min Scan# 481

Delta R.T. -0.07 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampleId :

M-8-D

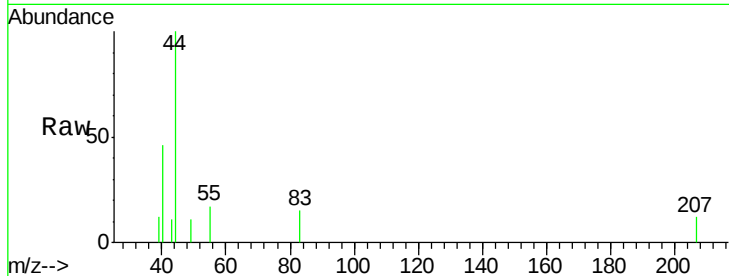
Tot Ion: 83 Resp: 88

Ion Ratio Lower Upper

83 100

55 114.9 67.4 101.2#

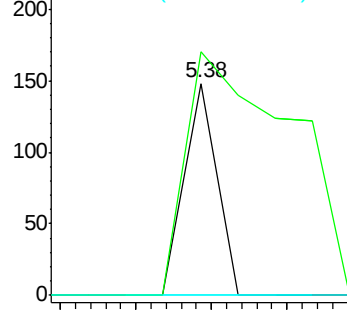
98 0.0 36.7 55.1#



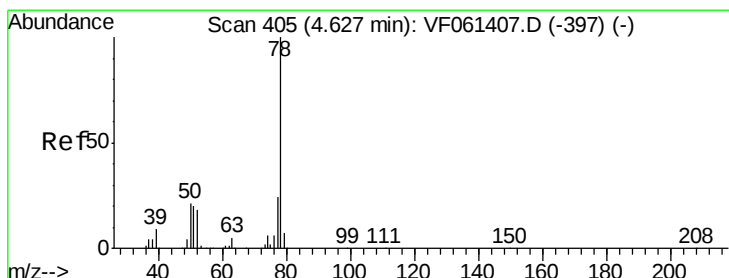
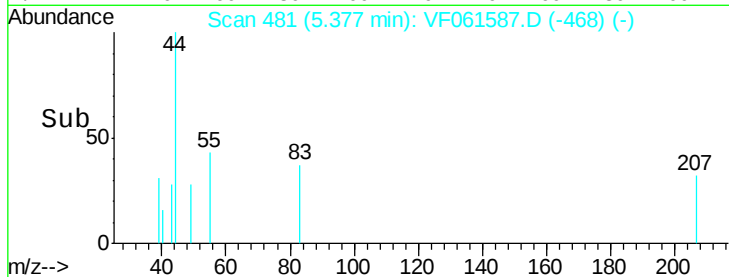
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time--> 5.34 5.36 5.38 5.40



#40

Benzene

Concen: 1.253 ug/l

RT: 4.55 min Scan# 397

Delta R.T. -0.08 min

Lab File: VF061587.D

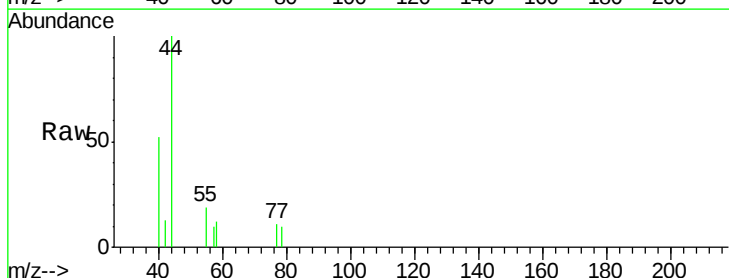
Acq: 11 Feb 2019 15:44

Tgt Ion: 78 Resp: 59

Ion Ratio Lower Upper

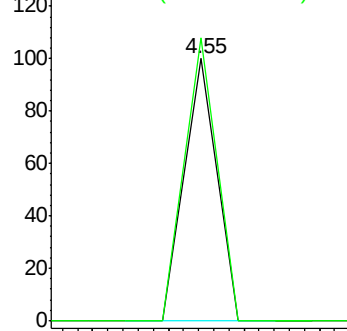
78 100

77 108.0 19.0 28.6#

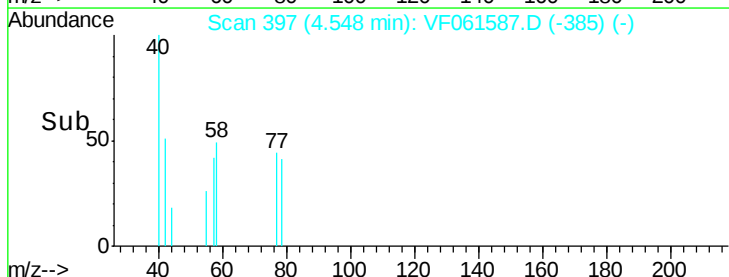


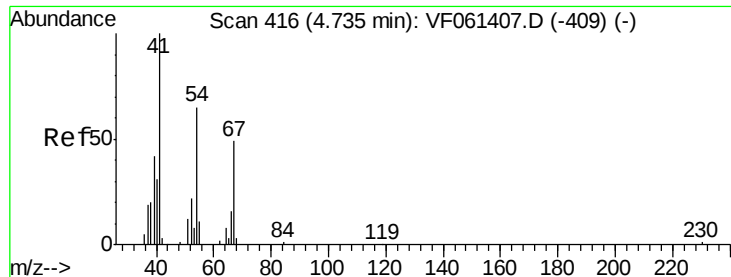
Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time--> 4.52 4.54 4.56 4.58

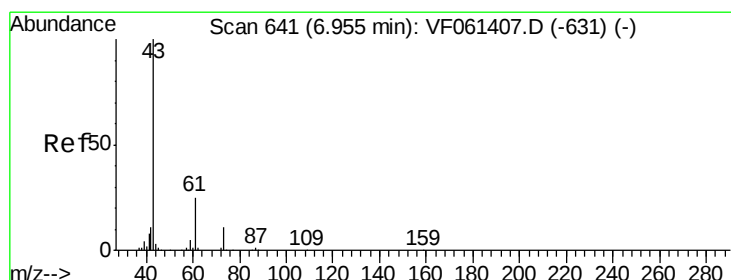
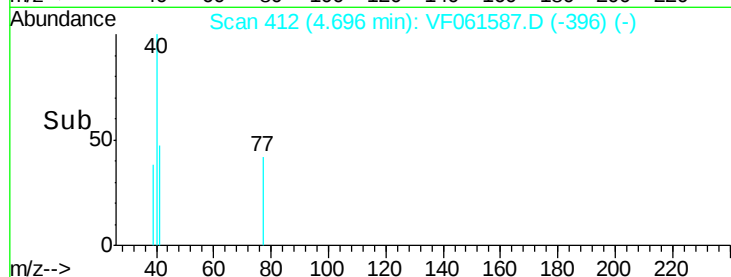
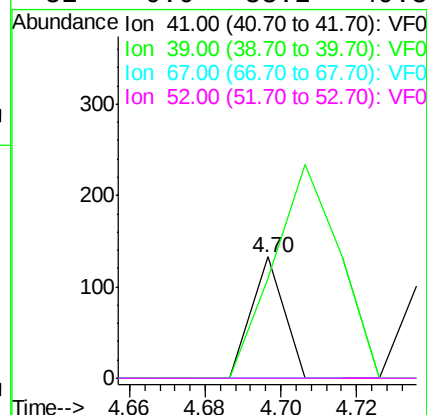
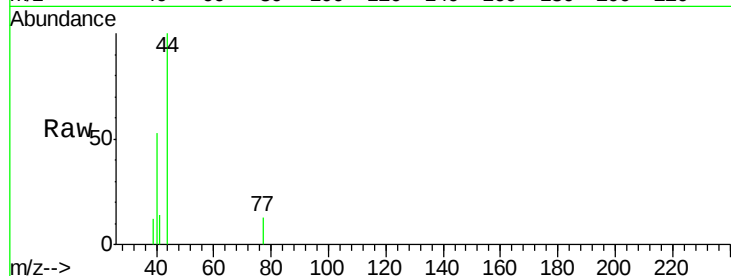




#41
Methacrylonitrile
Concen: 17.553 ug/l
RT: 4.70 min Scan# 412
Delta R.T. -0.04 min
Lab File: VF061587.D
Acq: 11 Feb 2019 15:44

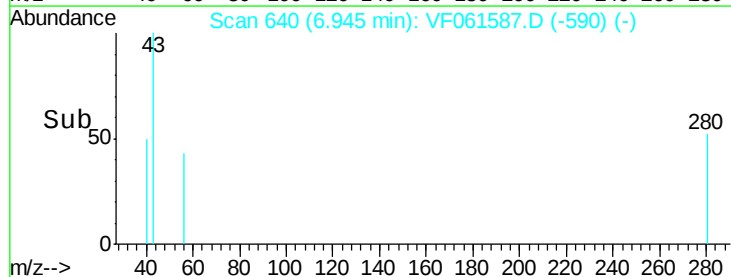
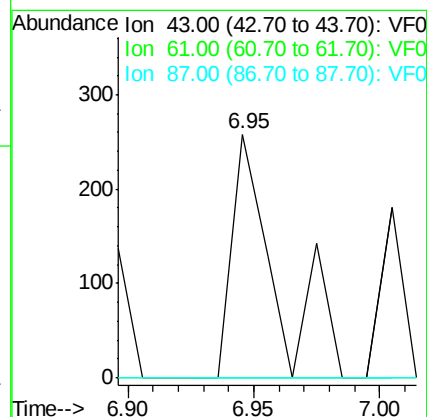
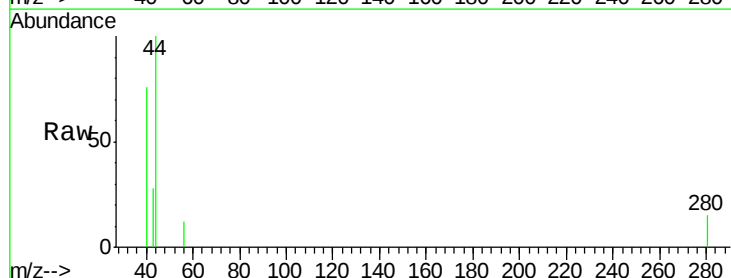
Instrument :
MSVOA_F
ClientSampled :
M-8-D

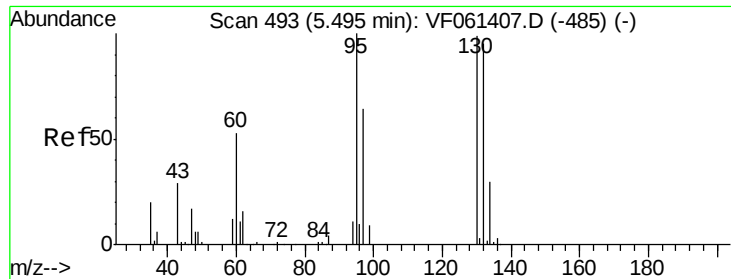
Tot Ion:	41	Resp:	79
Ion	Ratio	Lower	Upper
41	100		
39	82.0	43.1	64.7#
67	0.0	38.8	58.2#
52	0.0	33.2	49.8#



#43
Isopropyl Acetate
Concen: 29.484 ug/l
RT: 6.95 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF061587.D
Acq: 11 Feb 2019 15:44

Tgt Ion:	43	Resp:	313
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	0.5	0.7#





#44

Trichloroethene

Concen: 4.362 ug/l

RT: 5.48 min Scan# 491

Delta R.T. -0.02 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampleId :

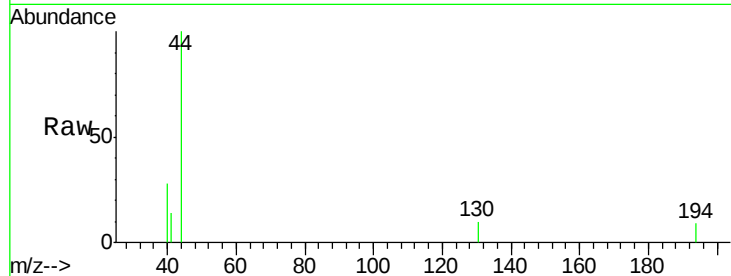
M-8-D

Tot Ion:130 Resp: 63

Ion Ratio Lower Upper

130 100

95 0.0 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.48

100

80

60

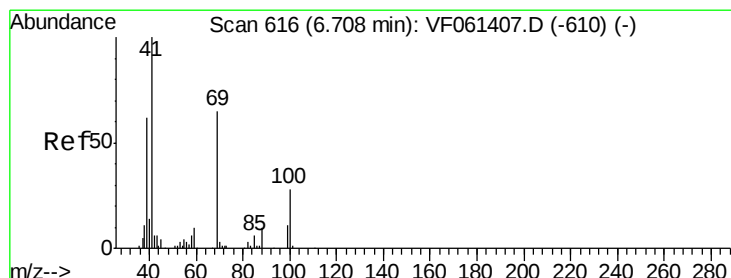
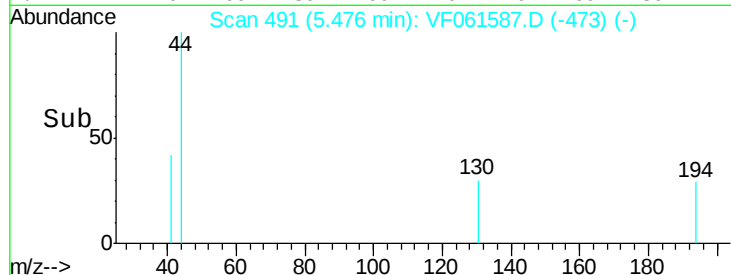
40

20

0

5.44 5.46 5.48 5.50

Time-->



#48

Methyl methacrylate

Concen: 18.377 ug/l

RT: 6.67 min Scan# 612

Delta R.T. -0.04 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

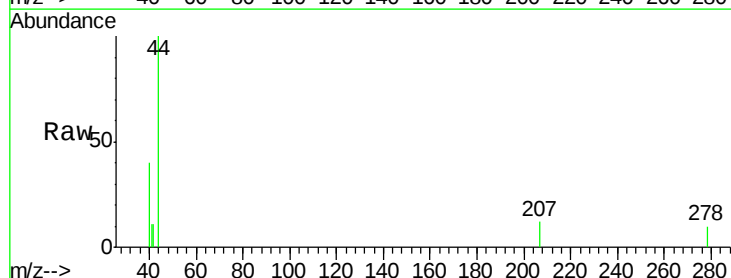
Tgt Ion: 41 Resp: 131

Ion Ratio Lower Upper

41 100

69 0.0 51.7 77.5#

39 0.0 49.2 73.8#



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

300

250

200

150

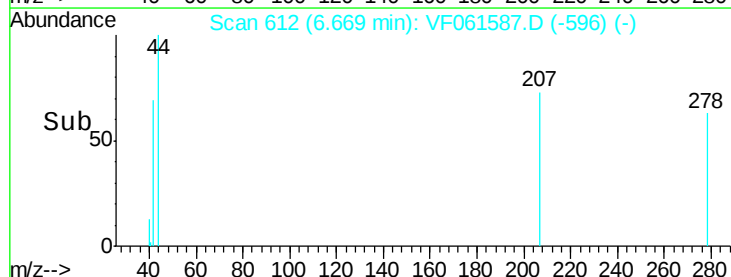
100

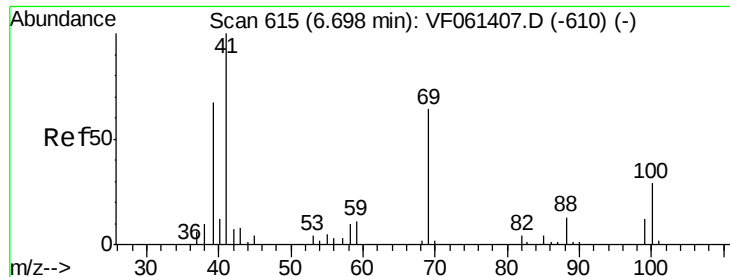
50

0

6.64 6.66 6.68 6.70

Time-->

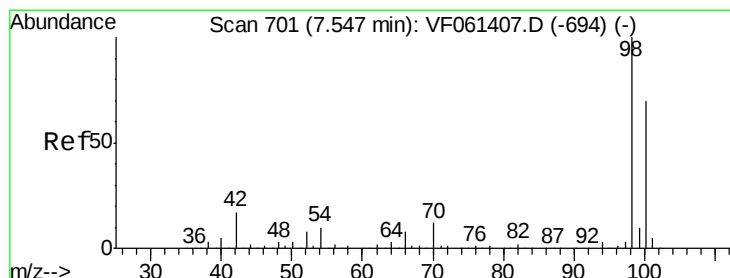
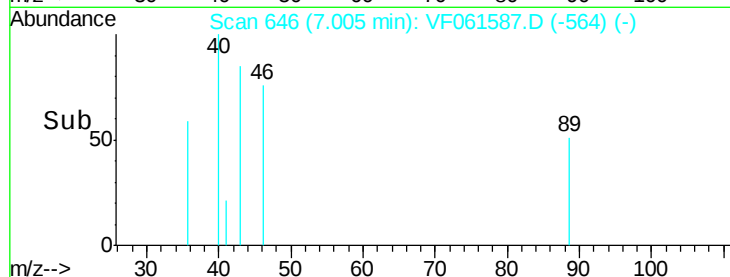
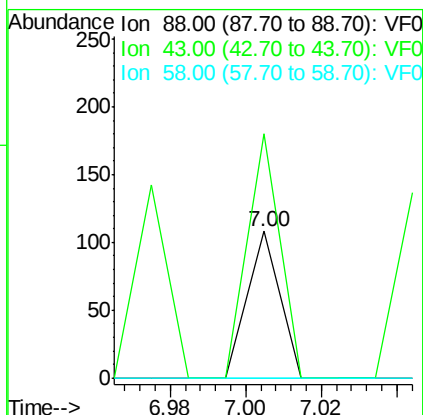
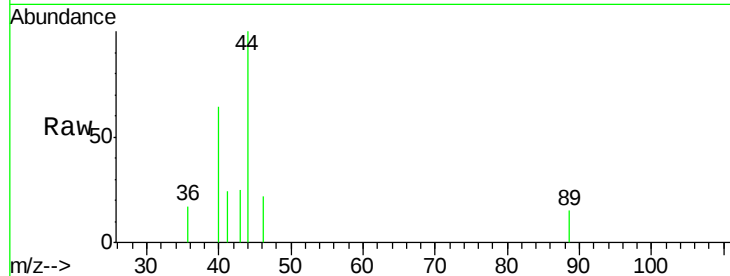




#49
1,4-Dioxane
Concen: 1307.516 ug/l
RT: 7.00 min Scan# 646
Delta R.T. 0.31 min
Lab File: VF061587.D
Acq: 11 Feb 2019 15:44

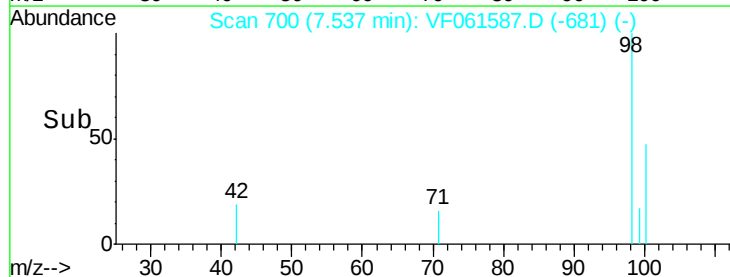
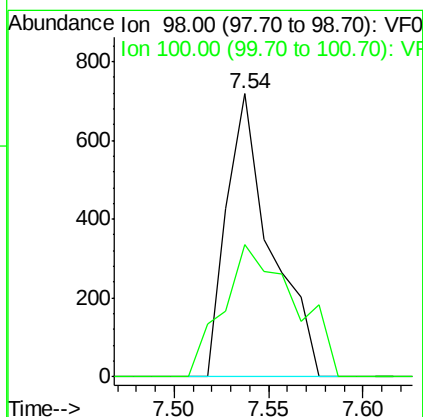
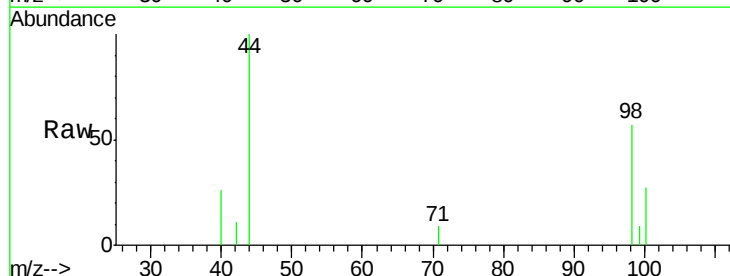
Instrument :
MSVOA_F
ClientSampleId :
M-8-D

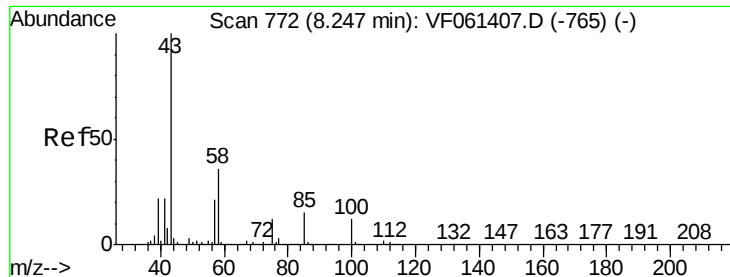
Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 166.7 55.5 83.3#
58 0.0 59.9 89.9#



#50
Toluene-d8
Concen: 29.425 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061587.D
Acq: 11 Feb 2019 15:44

Tgt Ion: 98 Resp: 1161
Ion Ratio Lower Upper
98 100
100 46.5 55.6 83.4#





#51

4-Methyl-2-Pentanone

Concen: 23.321 ug/l

RT: 8.22 min Scan# 769

Delta R.T. -0.03 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

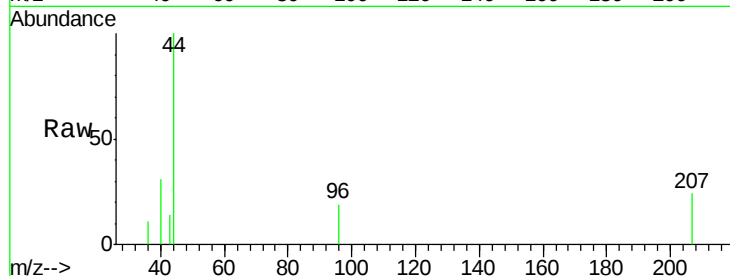
M-8-D

Tot Ion: 43 Resp: 182

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.22

200

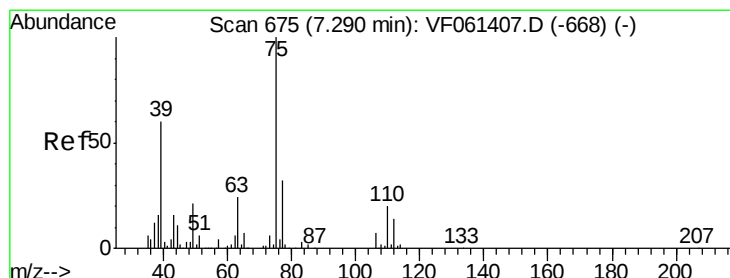
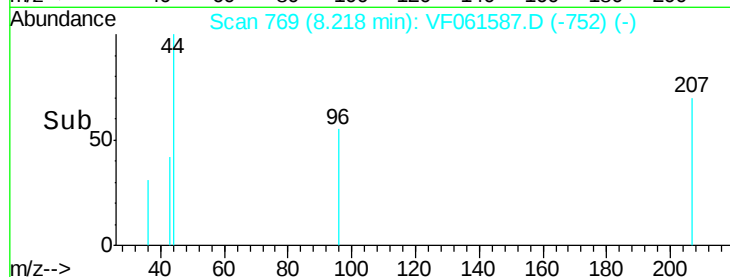
150

100

50

0

Time--> 8.18 8.20 8.22 8.24



#54

cis-1,3-Dichloropropene

Concen: 2.973 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

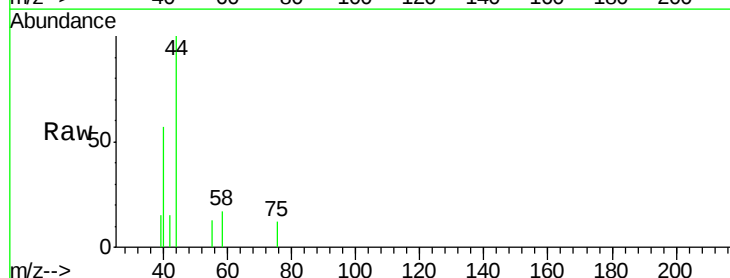
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 116.7 47.8 71.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

250

200

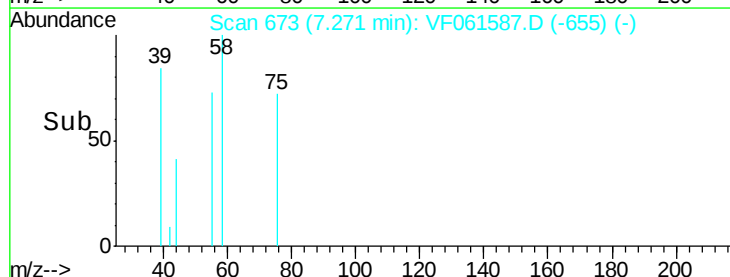
150

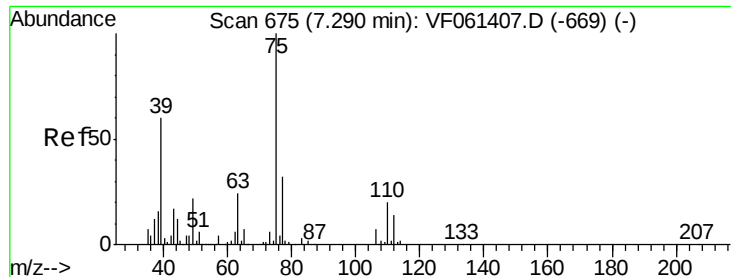
100

50

0

Time--> 7.24 7.26 7.28 7.30





#58

2-Chloroethyl Vinyl ether

Concen: 87.994 ug/l

RT: 7.18 min Scan# 664

Delta R.T. -0.11 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

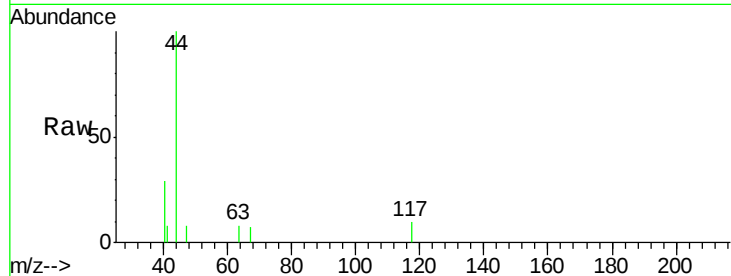
M-8-D

Tot Ion: 63 Resp: 73

Ion Ratio Lower Upper

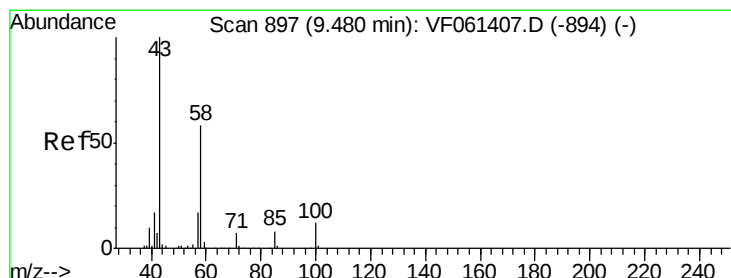
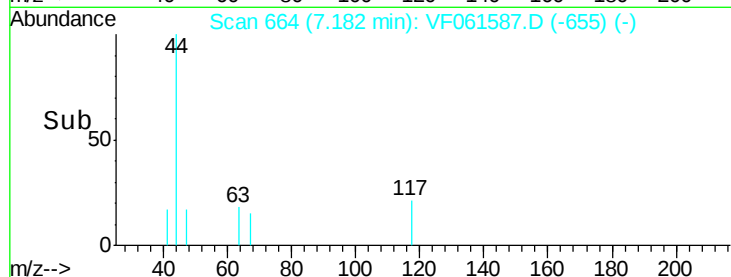
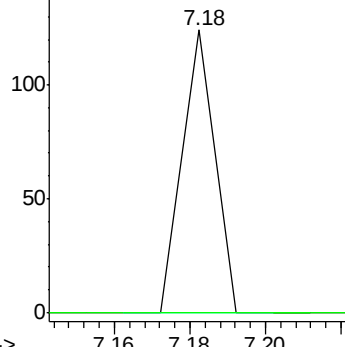
63 100

106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): VF0



#59

2-Hexanone

Concen: 11.760 ug/l

RT: 9.44 min Scan# 893

Delta R.T. -0.04 min

Lab File: VF061587.D

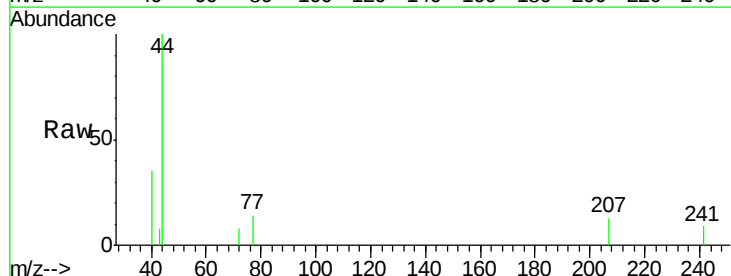
Acq: 11 Feb 2019 15:44

Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

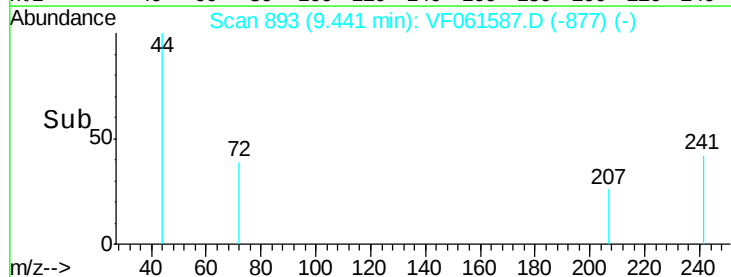
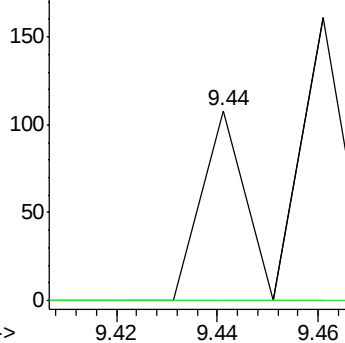
43 100

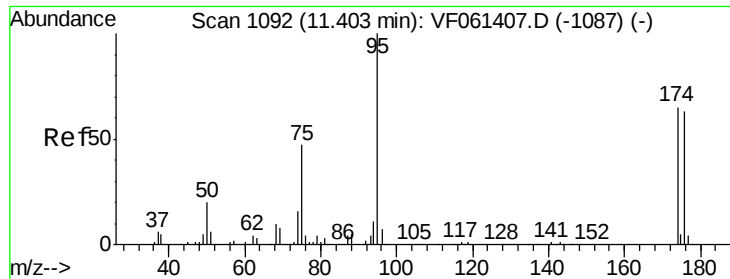
58 0.0 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 9.927 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

M-8-D

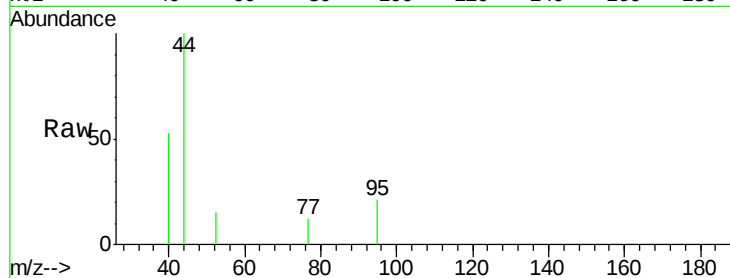
Tot Ion: 95 Resp: 183

Ion Ratio Lower Upper

95 100

174 0.0 0.0 130.4

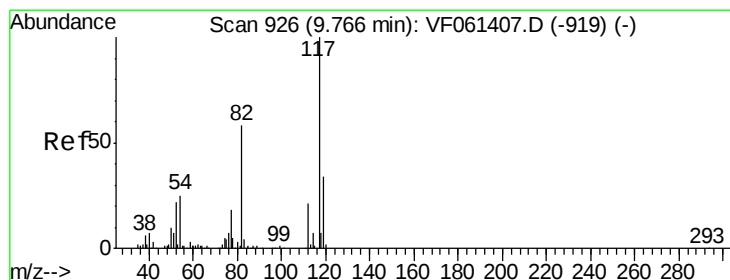
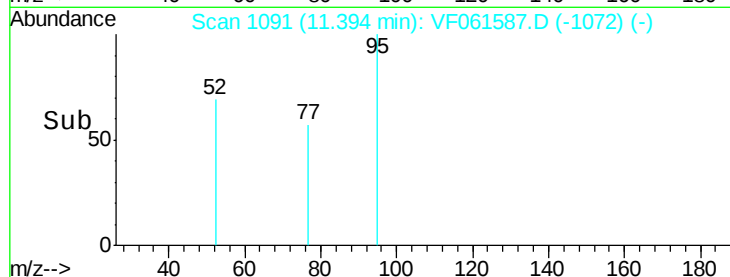
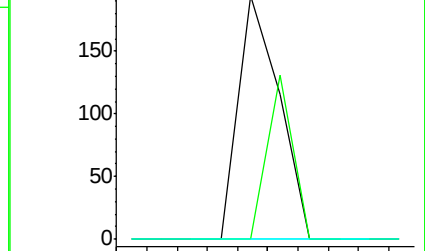
176 0.0 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

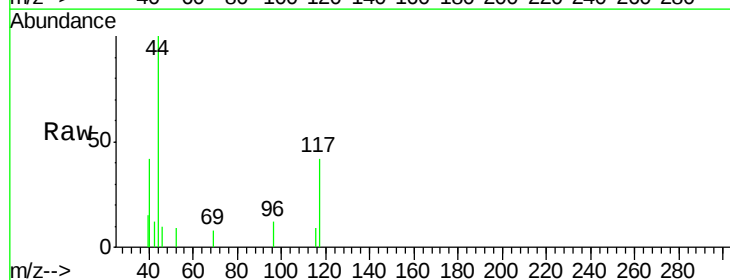
Tgt Ion: 117 Resp: 1055

Ion Ratio Lower Upper

117 100

82 0.0 46.4 69.6#

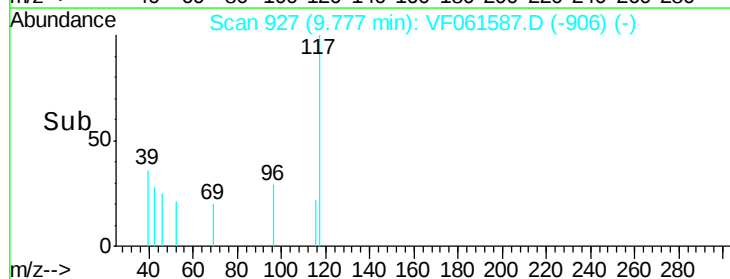
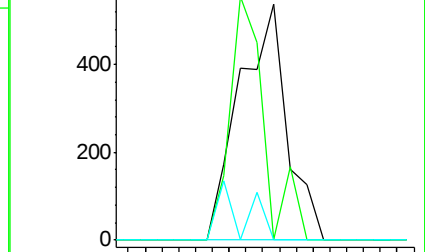
119 0.0 27.2 40.8#

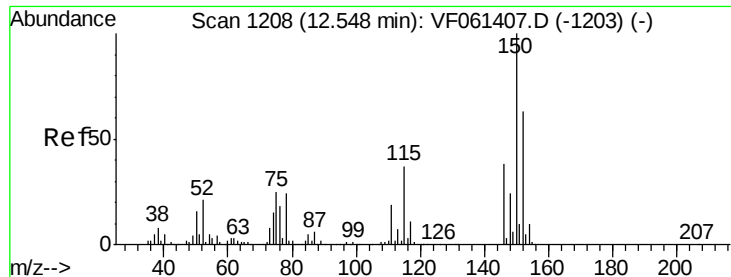


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



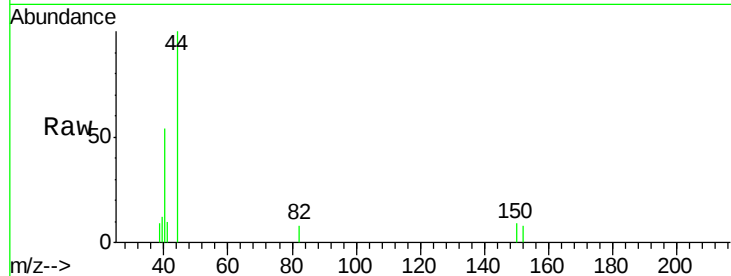


#72

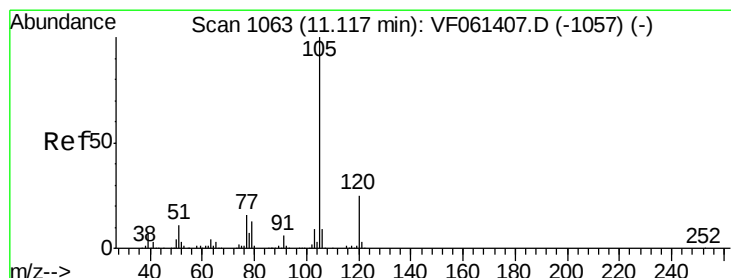
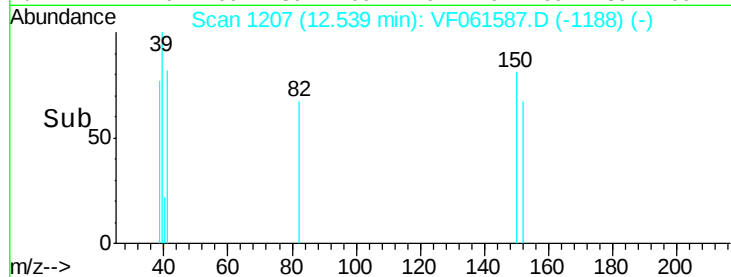
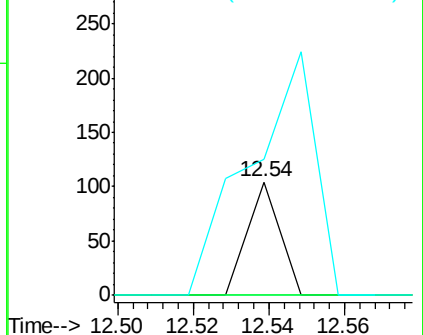
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061587.D
Acq: 11 Feb 2019 15:44

Instrument :
MSVOA_F
ClientSampleId :
M-8-D

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	30.0	90.0#
150	120.2	0.0	321.4



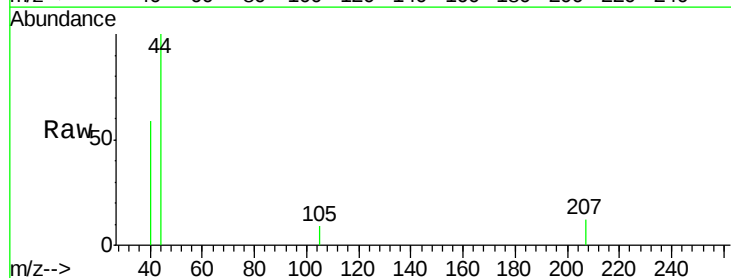
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



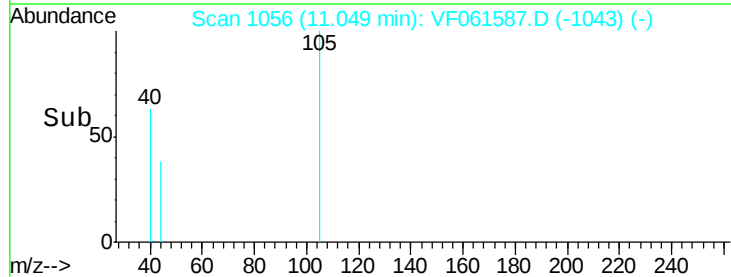
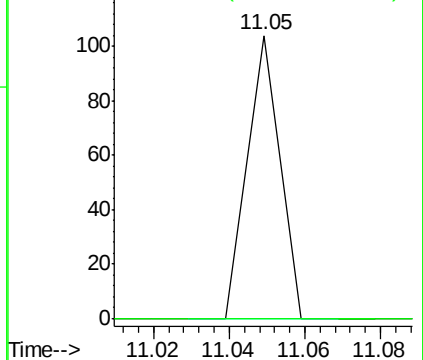
#73

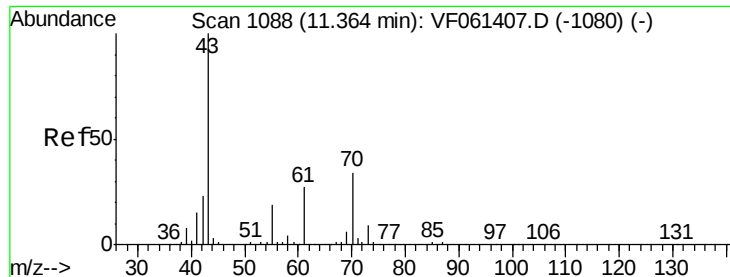
Isopropylbenzene
Concen: 12.295 ug/l
RT: 11.05 min Scan# 1056
Delta R.T. -0.07 min
Lab File: VF061587.D
Acq: 11 Feb 2019 15:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	12.6	37.8#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 214.696 ug/l

RT: 11.34 min Scan# 1085

Delta R.T. -0.03 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

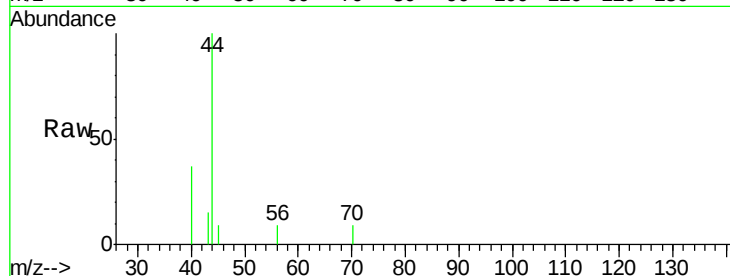
MSVOA_F

ClientSampled :

M-8-D

Tot Ion: 43 Resp: 256

Ion	Ratio	Lower	Upper
43	100		
70	61.0	27.6	41.4#
55	0.0	15.4	23.2#
61	0.0	21.8	32.6#

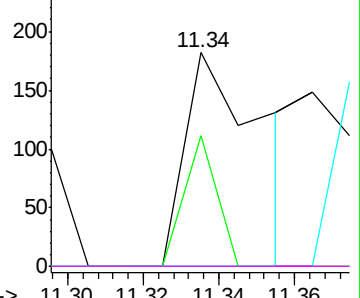


Abundance Ion 43.00 (42.70 to 43.70): VF0

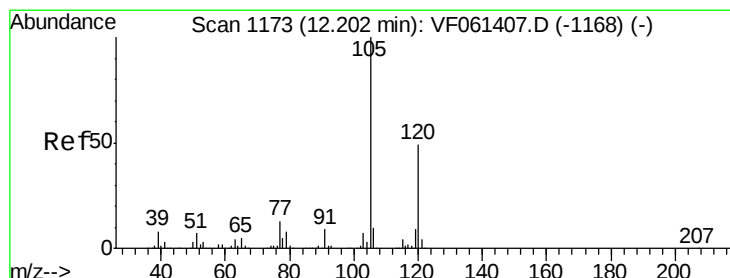
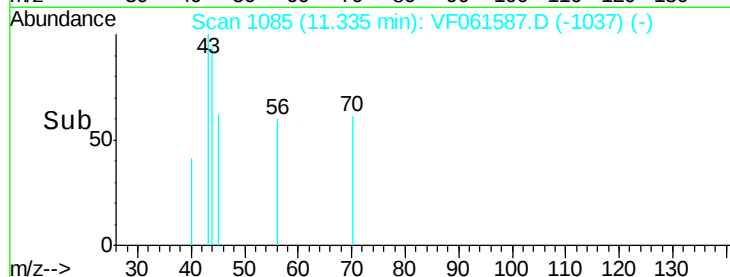
Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 23.379 ug/l

RT: 12.35 min Scan# 1188

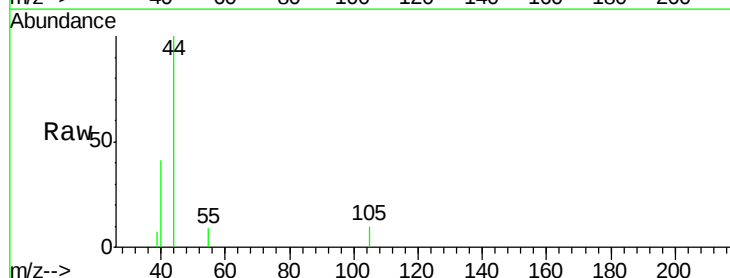
Delta R.T. 0.15 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

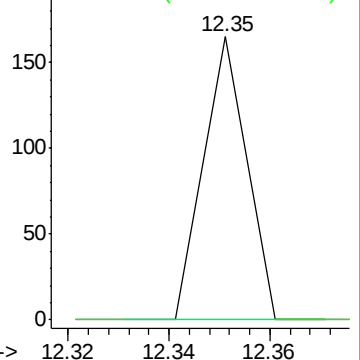
Tgt Ion: 105 Resp: 98

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.9	74.6#

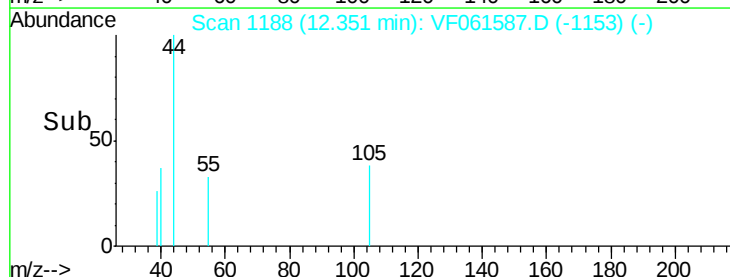


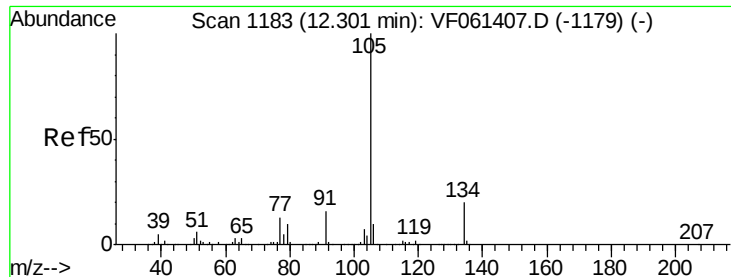
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 17.133 ug/l

RT: 12.35 min Scan# 1188

Delta R.T. 0.05 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

Instrument :

MSVOA_F

ClientSampled :

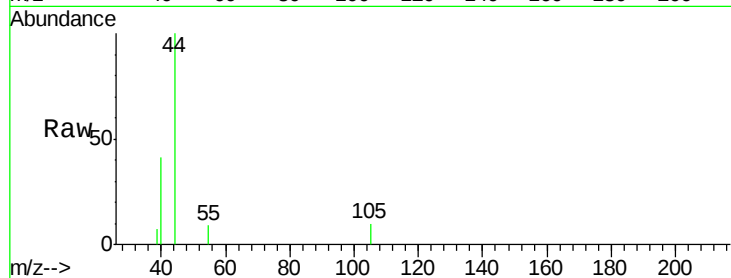
M-8-D

Tot Ion: 105 Resp: 98

Ion Ratio Lower Upper

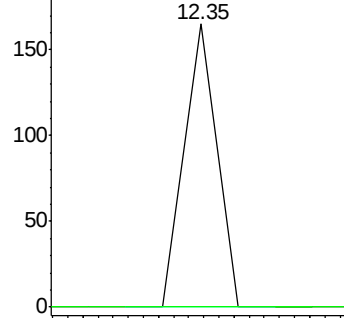
105 100

134 0.0 10.0 30.0#

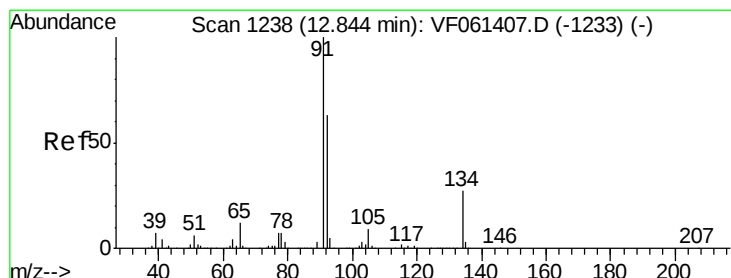
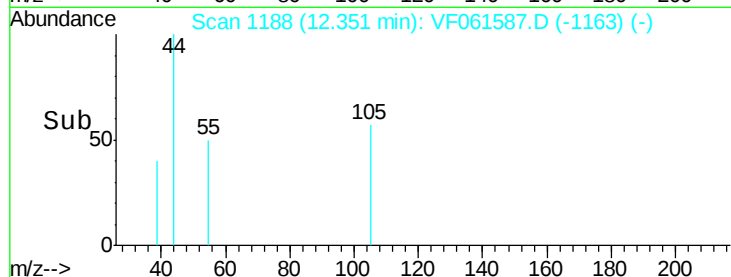


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#89

n-Butylbenzene

Concen: 13.836 ug/l

RT: 12.81 min Scan# 1235

Delta R.T. -0.03 min

Lab File: VF061587.D

Acq: 11 Feb 2019 15:44

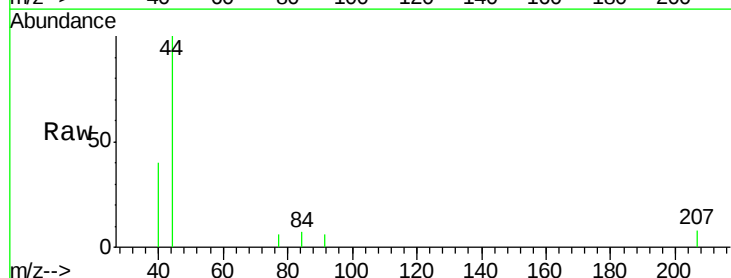
Tgt Ion: 91 Resp: 67

Ion Ratio Lower Upper

91 100

92 0.0 31.6 94.7#

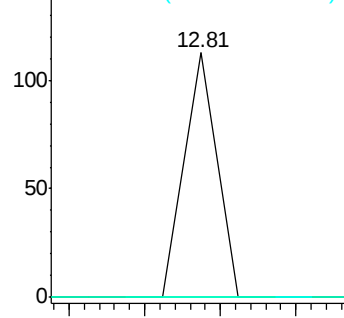
134 0.0 13.6 40.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time-->

