

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
 Data File : VF062067.D
 Acq On : 21 Mar 2019 18:21
 Operator : VA/AP
 Sample : K2010-01
 Misc : 4.80g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1

Quant Time: Mar 22 08:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	1437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	1534	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.80	117	752	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.57	152	70	50.00	ug/l	0.02

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	4.15	113	388	37.67	ug/l	0.04
Spiked Amount	50.000		Recovery	=	75.34%	
50) Toluene-d8	7.58	98	1551	51.51	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	11.43	95	77	6.44	ug/l	0.03
Spiked Amount	50.000		Recovery	=	12.88%	

Target Compounds						Qvalue
3) Chloromethane	1.09	50	76	4.882	ug/l #	46
4) Vinyl Chloride	1.17	62	65	4.317	ug/l #	40
5) Bromomethane	1.32	94	263	24.866	ug/l #	3
6) Chloroethane	1.35	64	66	8.491	ug/l #	1
8) Diethyl Ether	1.62	74	66	14.884	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.96	101	65	4.625	ug/l #	18
11) Tert butyl alcohol	2.50	59	60	94.792	ug/l #	1
12) 1,1-Dichloroethene	1.79	96	85	7.008	ug/l #	1
13) Acrolein	2.16	56	166	242.938	ug/l	92
14) Allyl chloride	2.09	41	200	12.919	ug/l #	17
15) Acrylonitrile	2.93	53	167	86.762	ug/l #	73
16) Acetone	2.34	43	198	85.242	ug/l	96
18) Methyl Acetate	2.34	43	198	37.615	ug/l #	53
19) Methyl tert-butyl Ether	2.53	73	83	3.777	ug/l #	58
20) Methylene Chloride	2.20	84	145	11.964	ug/l #	3
21) trans-1,2-Dichloroethene	2.32	96	168	13.274	ug/l #	1
22) Diisopropyl ether	2.84	45	512	13.749	ug/l #	35
23) Vinyl Acetate	3.20	43	322	21.935	ug/l #	77
24) 1,1-Dichloroethane	2.81	63	77	3.556	ug/l #	86
25) 2-Butanone	4.33	43	88	19.129	ug/l #	51
26) 2,2-Dichloropropane	3.64	77	61	5.973	ug/l #	54
27) cis-1,2-Dichloroethene	3.42	96	130	8.149	ug/l	1
28) Bromochloromethane	3.55	49	60	6.678	ug/l #	7
29) Tetrahydrofuran	4.11	42	60	29.991	ug/l #	33
31) Cyclohexane	3.52	56	75	3.506	ug/l #	16
32) 1,1,1-Trichloroethane	4.11	97	82	5.033	ug/l #	23
37) Ethyl Acetate	4.15	43	168	27.010	ug/l #	19
41) Methacrylonitrile	4.79	41	102	30.693	ug/l #	22
43) Isopropyl Acetate	6.98	43	94	12.773	ug/l #	38
48) Methyl methacrylate	6.73	41	60	12.615	ug/l #	20
51) 4-Methyl-2-Pentanone	8.34	43	95	18.179	ug/l #	36
53) t-1,3-Dichloropropene	8.33	75	72	7.000	ug/l #	43
56) Ethyl methacrylate	8.71	69	76	10.681	ug/l #	24
59) 2-Hexanone	9.45	43	246	65.044	ug/l #	23

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration

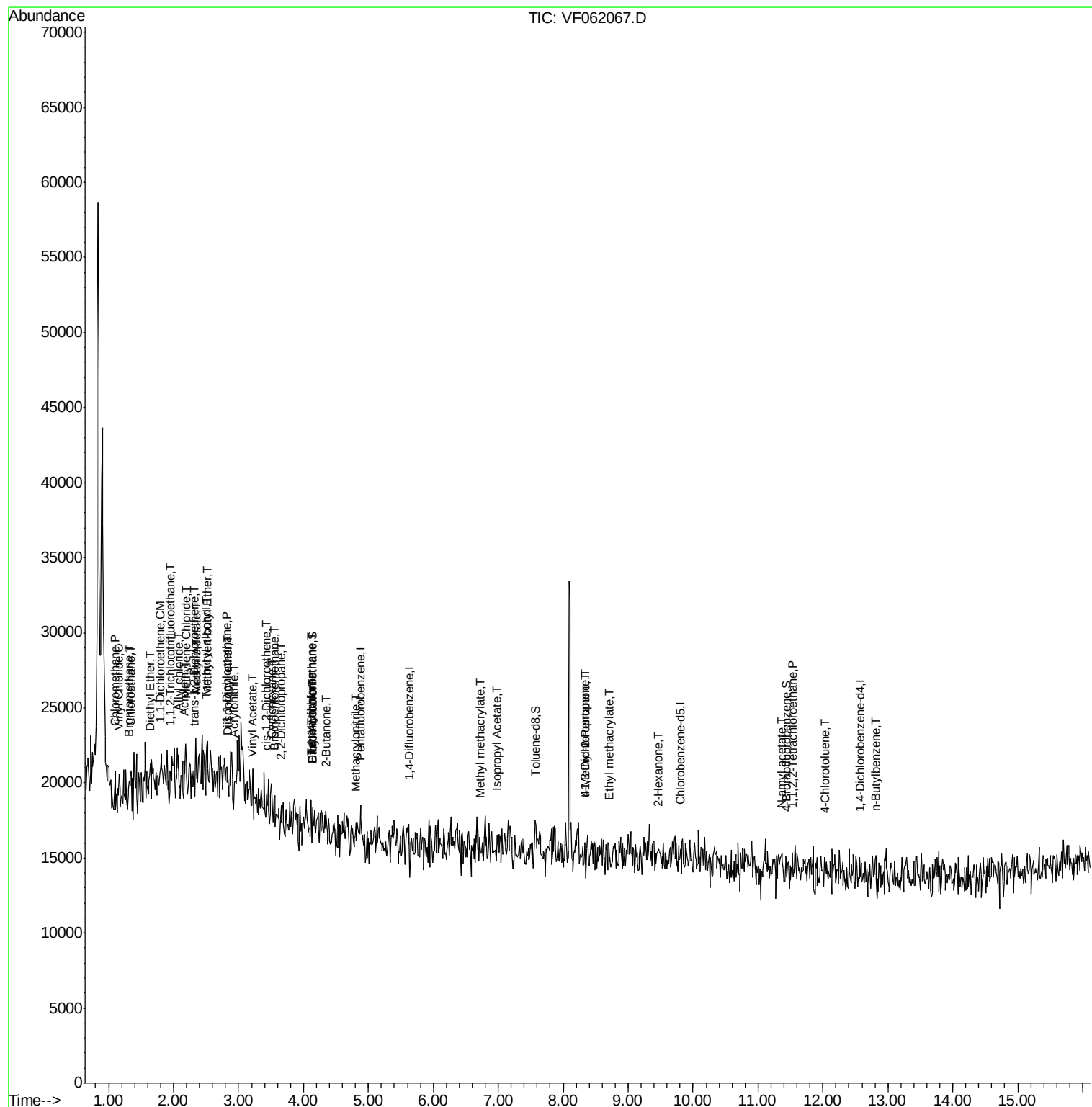
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	11.37	43	72	64.976	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.53	83	69	86.440	ug/l #	22
82) 4-Chlorotoluene	12.04	91	79	24.889	ug/l #	39
89) n-Butylbenzene	12.81	91	73	16.867	ug/l #	27

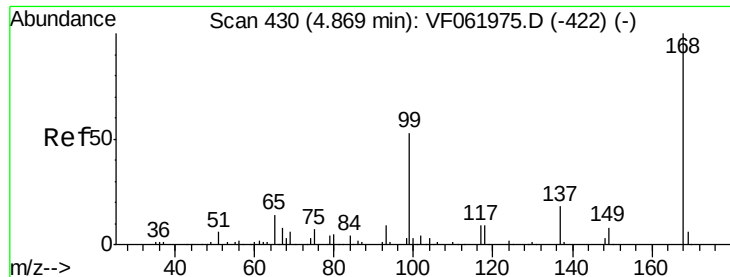
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

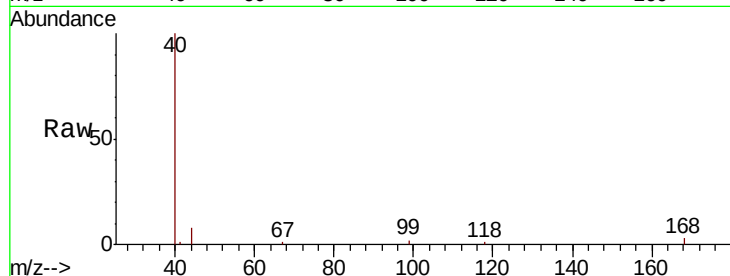
Instrument :
MSVOA_F
ClientSampleId :
TP-1

Tgt Ion:168 Resp: 1437

Ion Ratio Lower Upper

168 100

99 61.1 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

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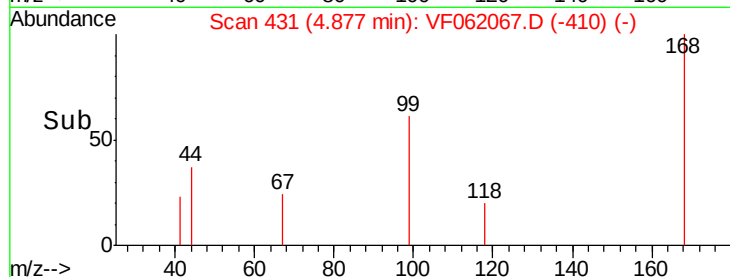
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

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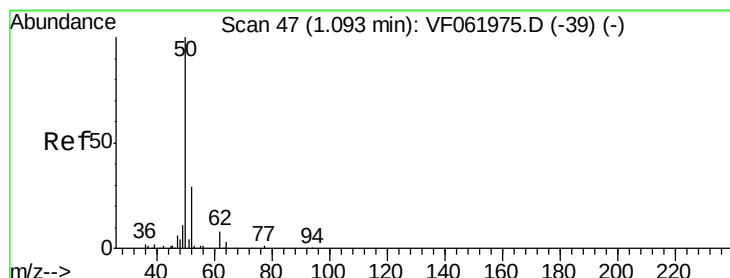
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#3

Chloromethane

Concen: 4.882 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062067.D

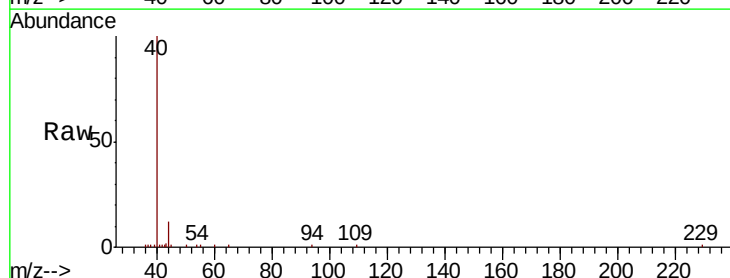
Acq: 21 Mar 2019 18:21

Tgt Ion: 50 Resp: 76

Ion Ratio Lower Upper

50 100

52 0.0 22.6 34.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

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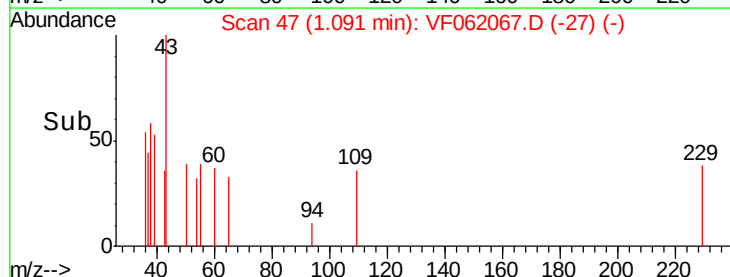
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

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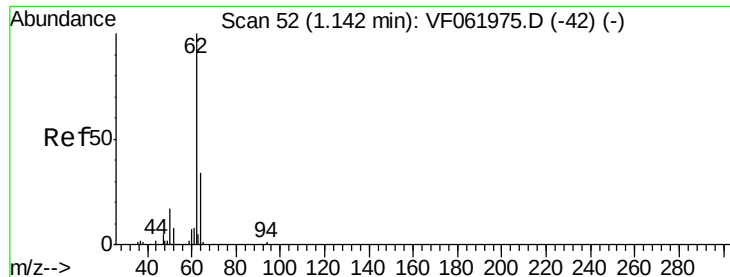
1.09

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#4

Vinyl Chloride

Concen: 4.317 ug/l

RT: 1.17 min Scan# 55

Delta R.T. 0.03 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

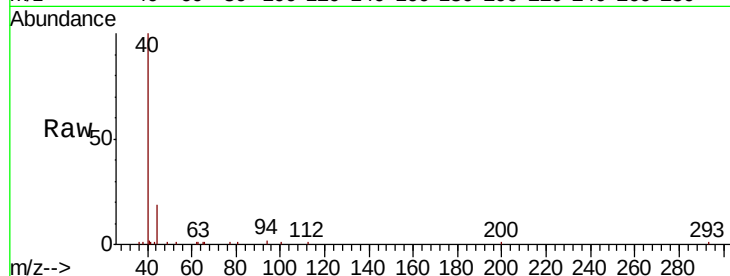
TP-1

Tgt Ion: 62 Resp: 65

Ion Ratio Lower Upper

62 100

64 0.0 27.4 41.2#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.17

120

100

80

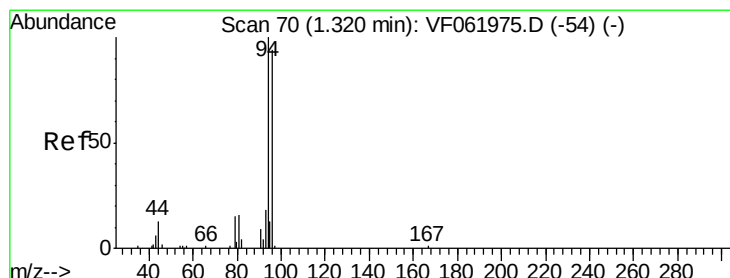
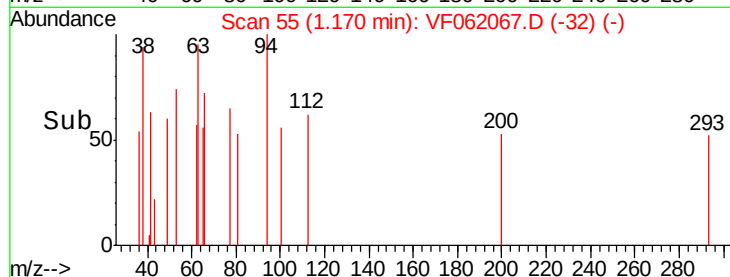
60

40

20

0

Time-->



#5

Bromomethane

Concen: 24.866 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF062067.D

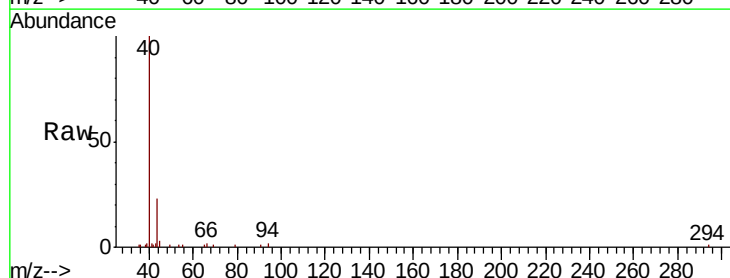
Acq: 21 Mar 2019 18:21

Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

94 100

96 0.0 75.0 112.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

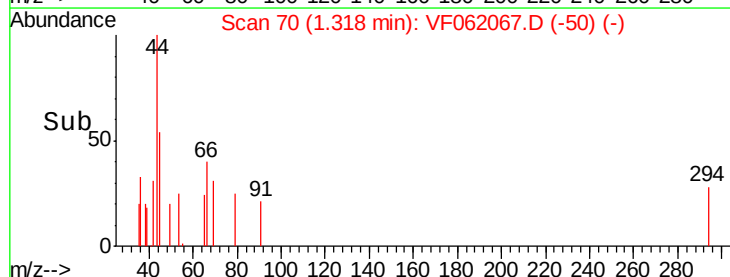
300

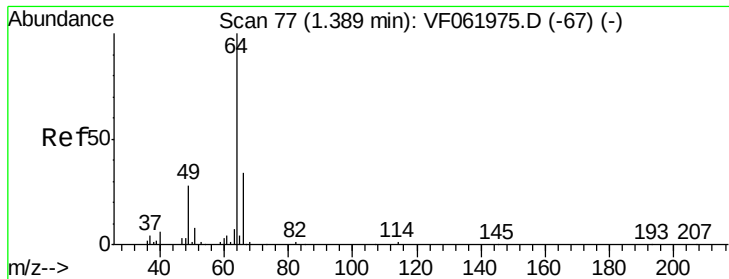
200

100

0

Time-->





#6

Chloroethane

Concen: 8.491 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.04 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampled :

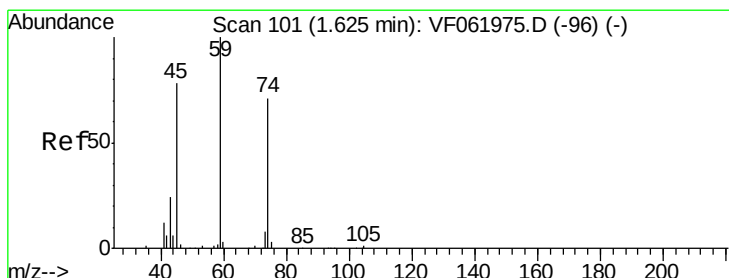
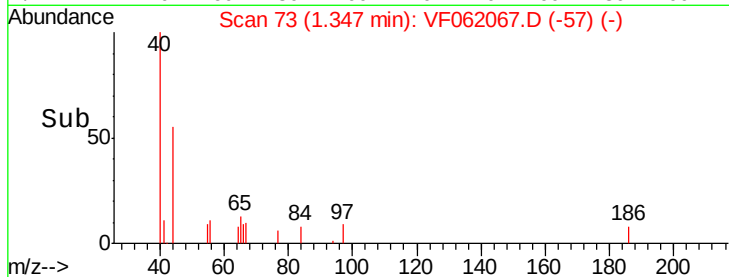
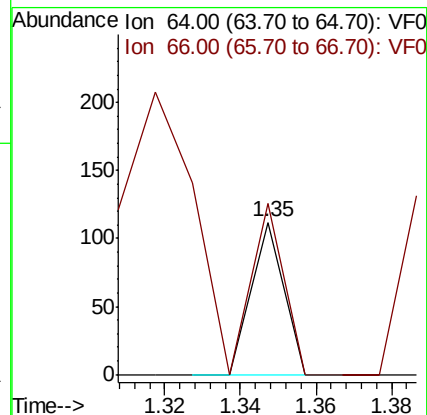
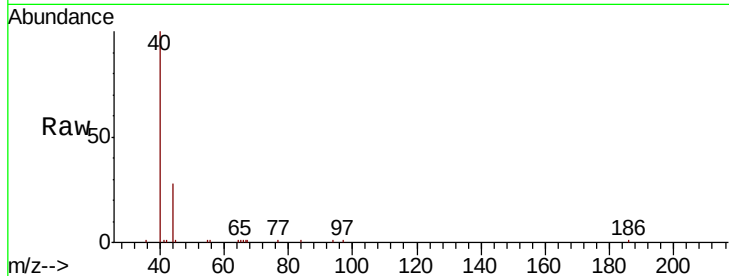
TP-1

Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

64 100

66 112.5 27.6 41.4#



#8

Diethyl Ether

Concen: 14.884 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF062067.D

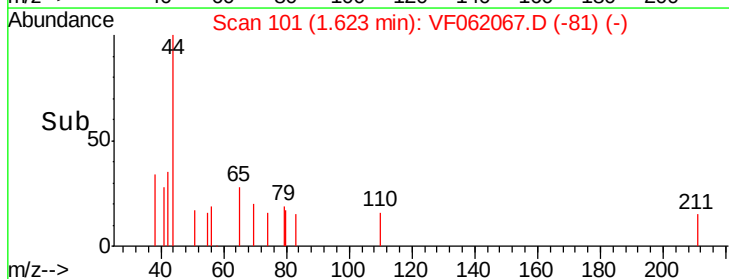
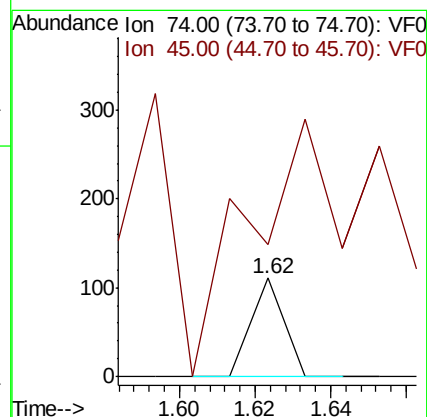
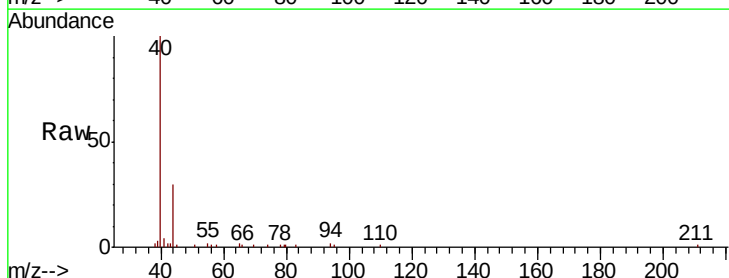
Acq: 21 Mar 2019 18:21

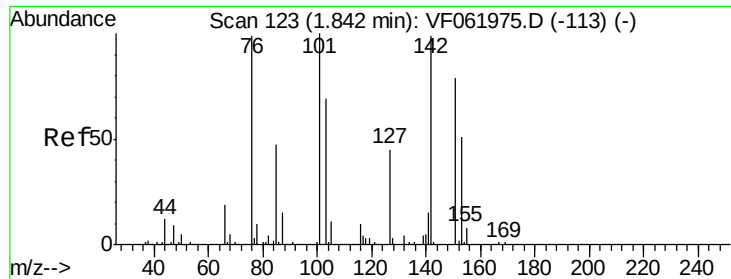
Tgt Ion: 74 Resp: 66

Ion Ratio Lower Upper

74 100

45 133.3 56.3 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.625 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.12 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

TP-1

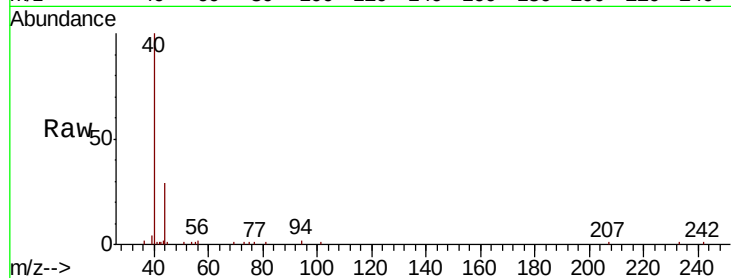
Tgt Ion:101 Resp: 65

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

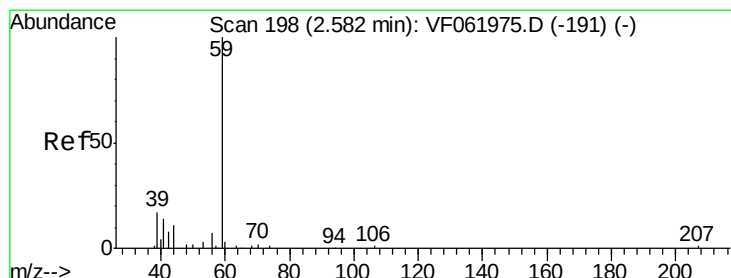
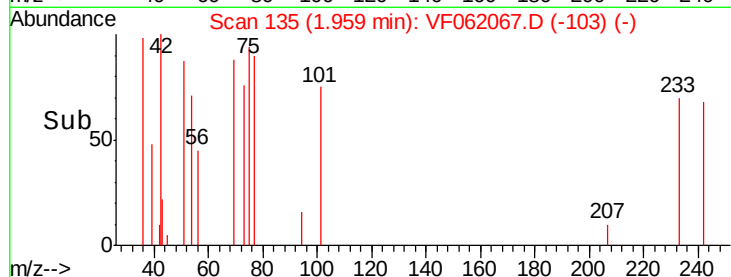
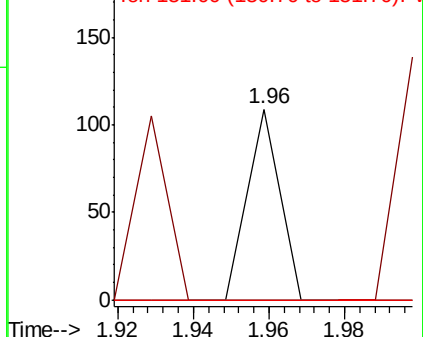
151 0.0 62.2 93.2#



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



#11

Tert butyl alcohol

Concen: 94.792 ug/l

RT: 2.50 min Scan# 190

Delta R.T. -0.08 min

Lab File: VF062067.D

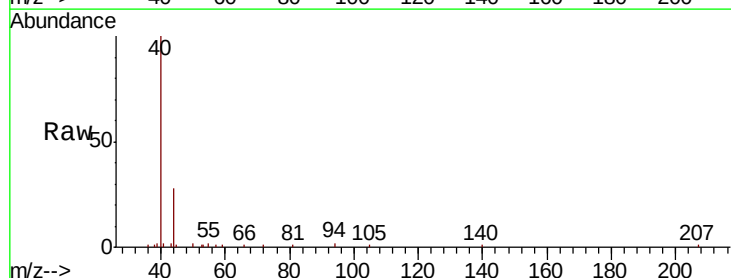
Acq: 21 Mar 2019 18:21

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

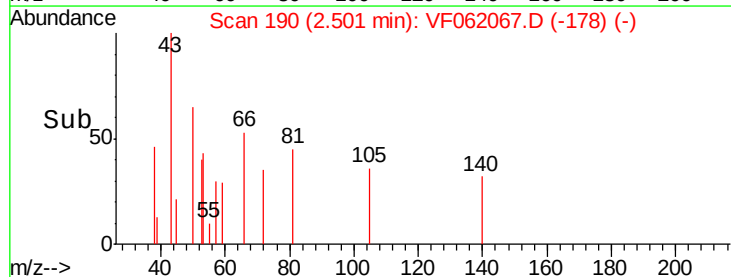
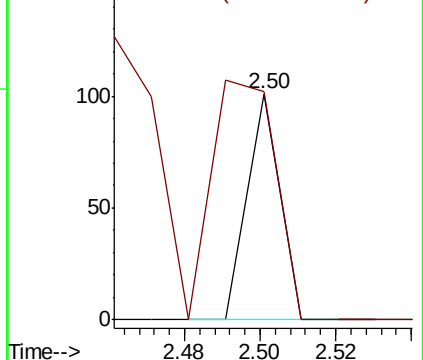
59 100

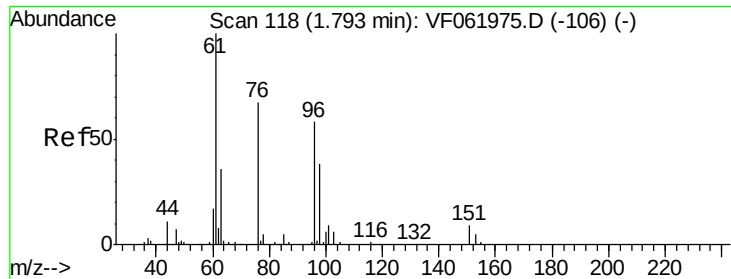
57 101.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 7.008 ug/l

RT: 1.79 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

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ClientSampleId :

TP-1

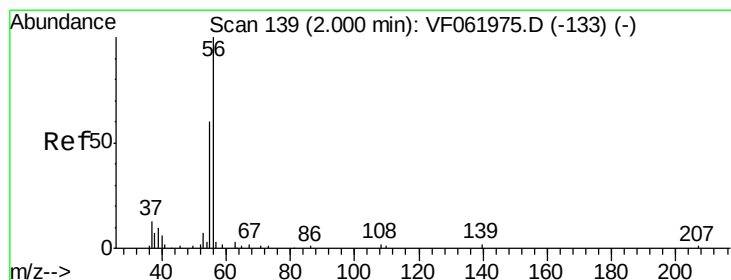
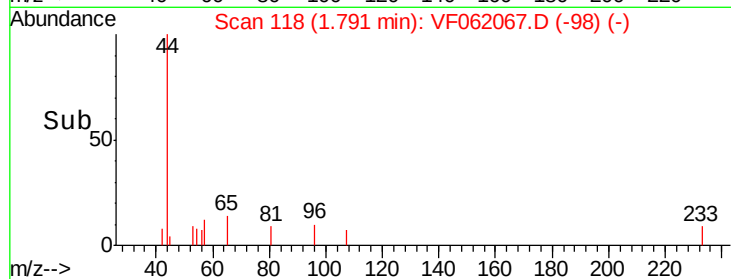
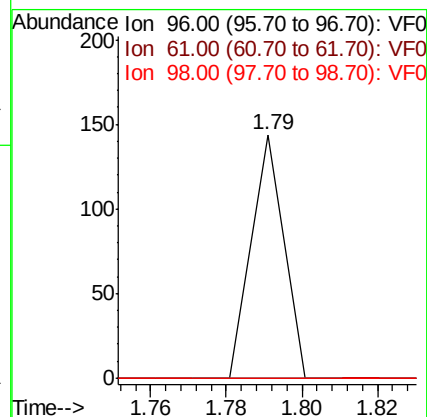
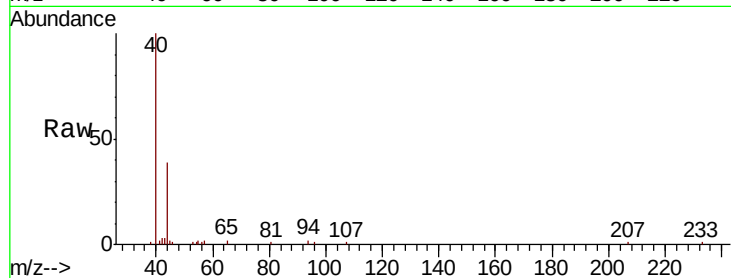
Tgt Ion: 96 Resp: 85

Ion Ratio Lower Upper

96 100

61 0.0 138.6 208.0#

98 0.0 53.2 79.8#



#13

Acrolein

Concen: 242.938 ug/l

RT: 2.16 min Scan# 155

Delta R.T. 0.16 min

Lab File: VF062067.D

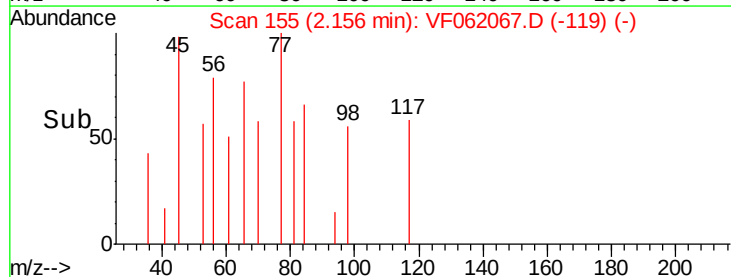
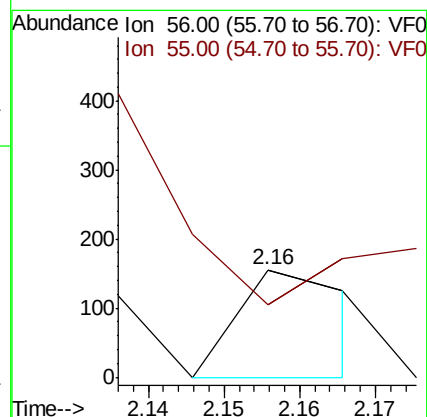
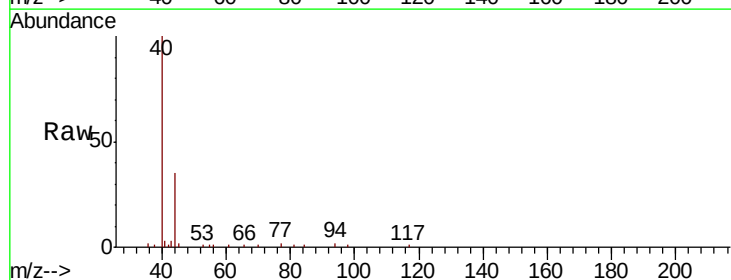
Acq: 21 Mar 2019 18:21

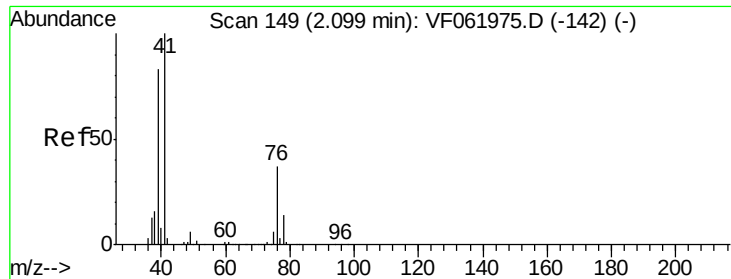
Tgt Ion: 56 Resp: 166

Ion Ratio Lower Upper

56 100

55 67.7 49.1 73.7

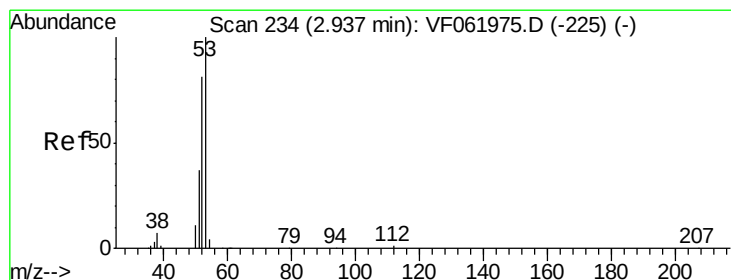
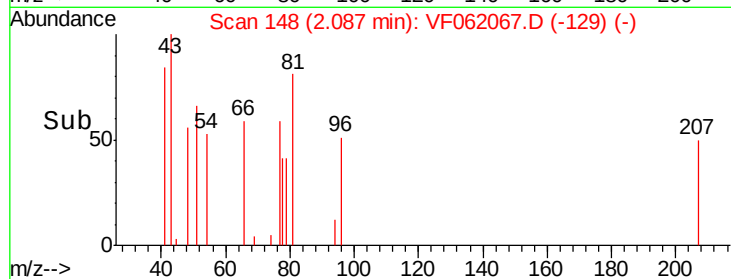
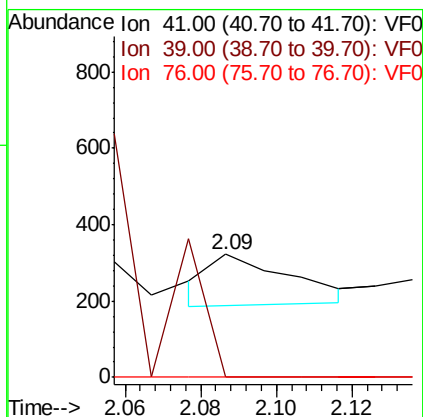
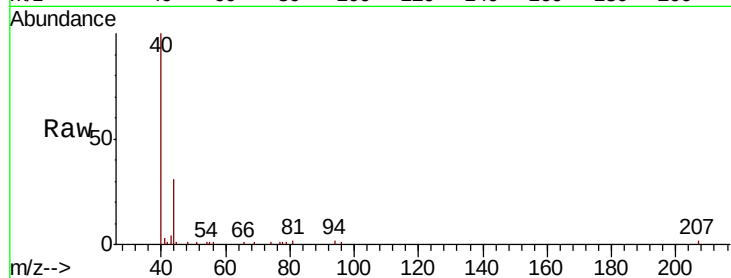




#14
 Allyl chloride
 Concen: 12.919 ug/l
 RT: 2.09 min Scan# 148
 Delta R.T. -0.01 min
 Lab File: VF062067.D
 Acq: 21 Mar 2019 18:21

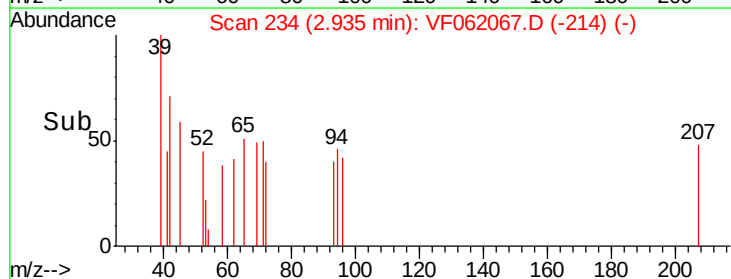
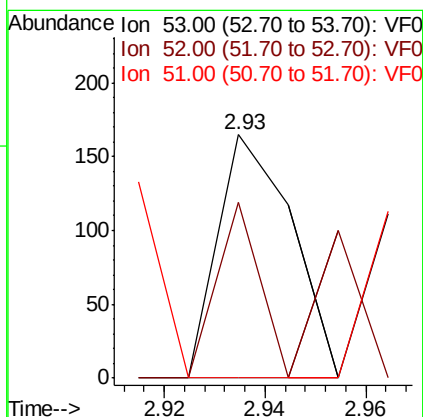
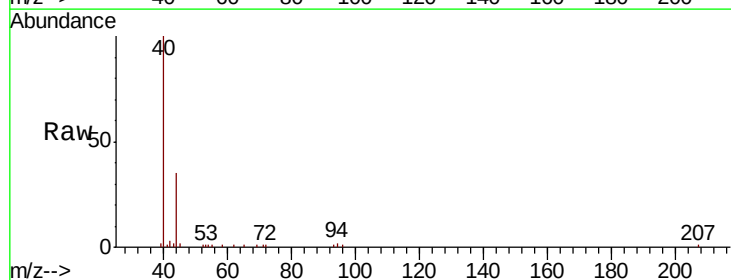
Instrument :
 MSVOA_F
 ClientSampled :
 TP-1

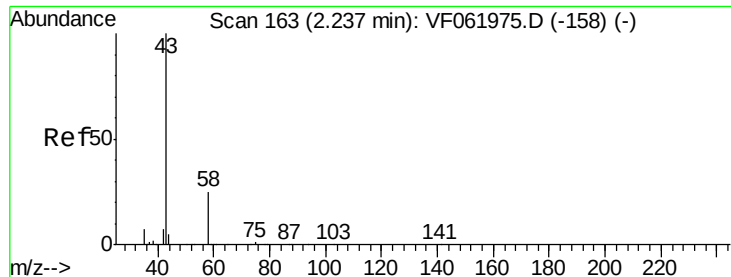
Tgt Ion: 41 Resp: 200
 Ion Ratio Lower Upper
 41 100
 39 0.0 66.8 100.2#
 76 0.0 31.1 46.7#



#15
 Acrylonitrile
 Concen: 86.762 ug/l
 RT: 2.93 min Scan# 234
 Delta R.T. -0.00 min
 Lab File: VF062067.D
 Acq: 21 Mar 2019 18:21

Tgt Ion: 53 Resp: 167
 Ion Ratio Lower Upper
 53 100
 52 72.1 64.4 96.6
 51 0.0 30.3 45.5#





#16

Acetone

Concen: 85.242 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.11 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

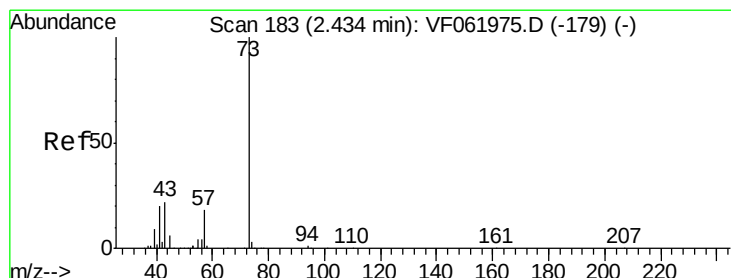
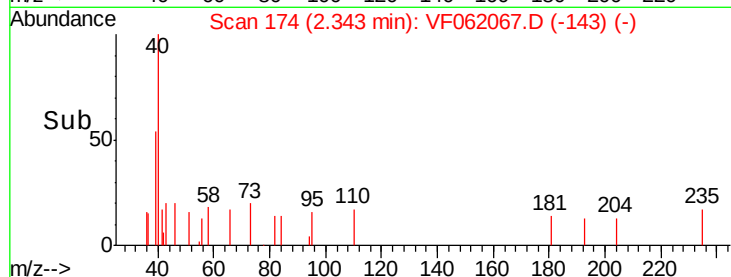
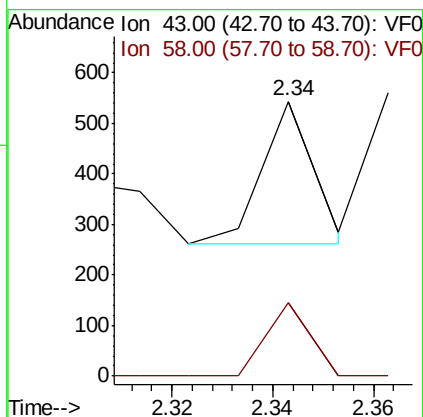
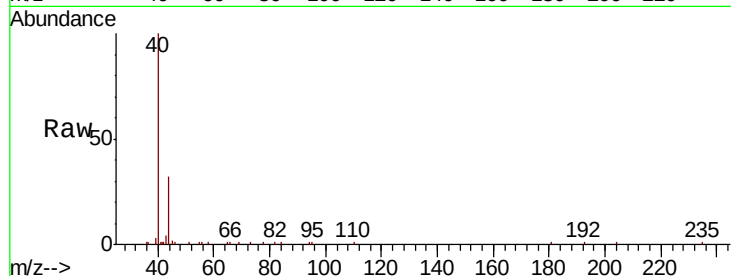
TP-1

Tgt Ion: 43 Resp: 198

Ion Ratio Lower Upper

43 100

58 26.8 19.9 29.9



#18

Methyl Acetate

Concen: 37.615 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF062067.D

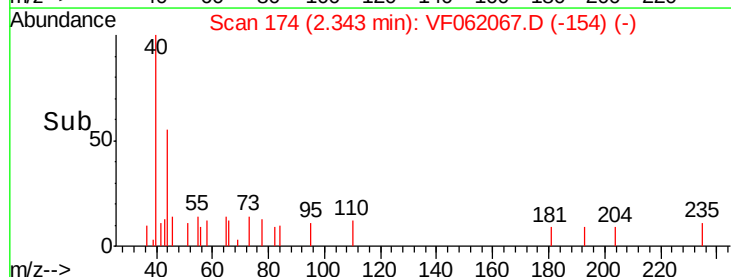
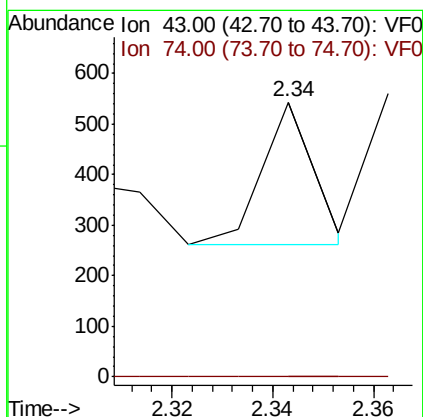
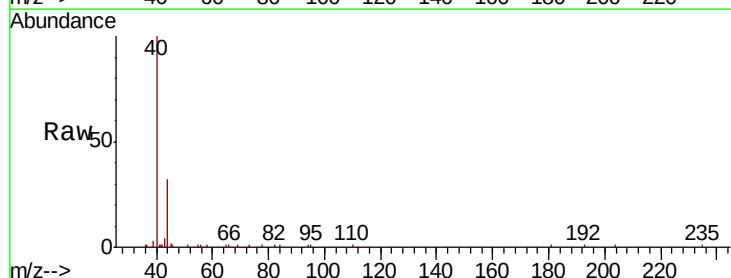
Acq: 21 Mar 2019 18:21

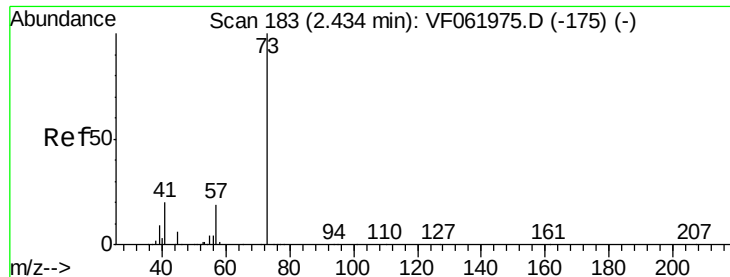
Tgt Ion: 43 Resp: 198

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#





#19

Methyl tert-butyl Ether

Concen: 3.777 ug/l

RT: 2.53 min Scan# 193

Delta R.T. 0.10 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

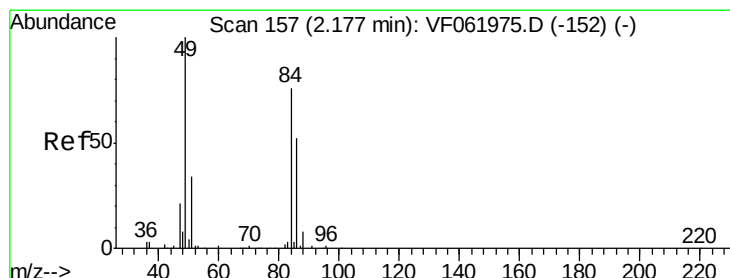
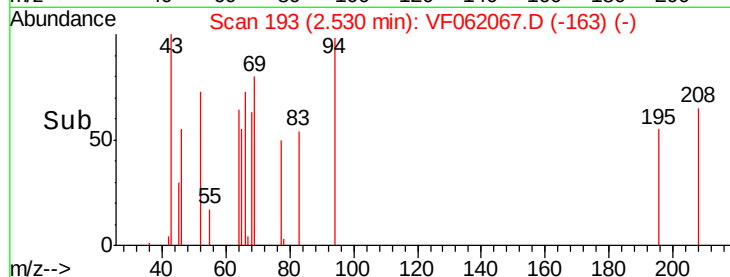
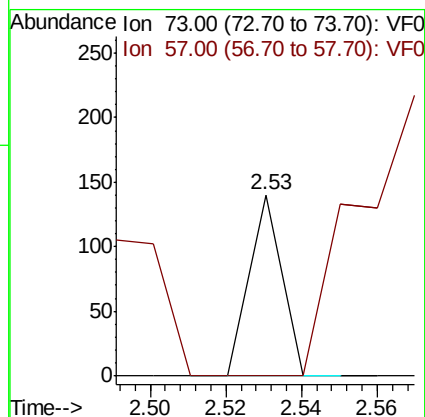
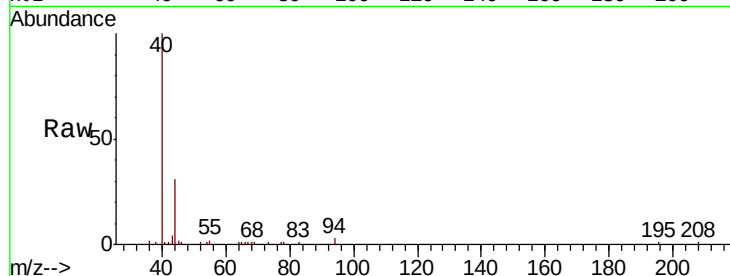
TP-1

Tgt Ion: 73 Resp: 83

Ion Ratio Lower Upper

73 100

57 0.0 15.3 22.9#



#20

Methylene Chloride

Concen: 11.964 ug/l

RT: 2.20 min Scan# 159

Delta R.T. 0.02 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Tgt Ion: 84 Resp: 145

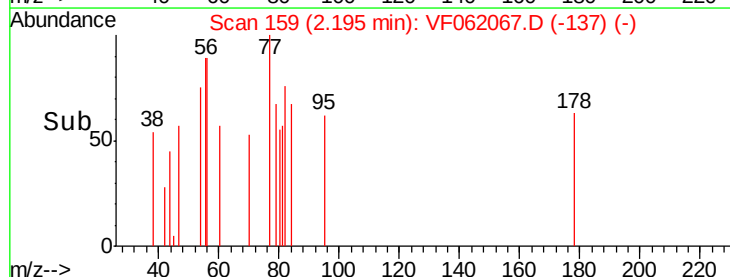
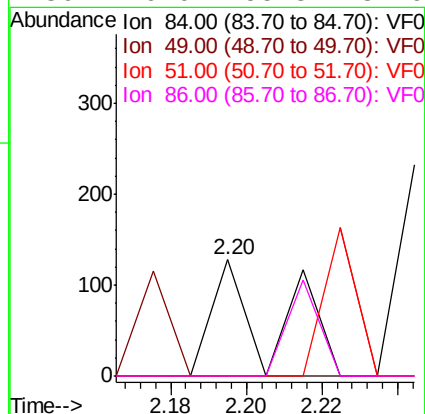
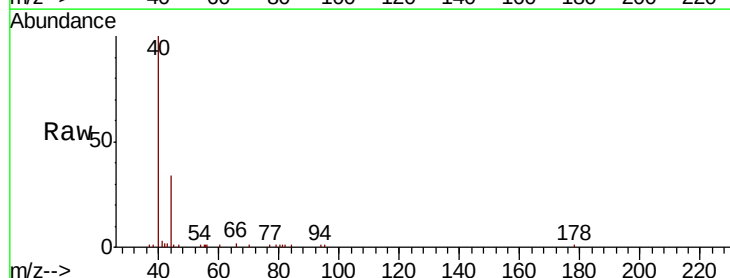
Ion Ratio Lower Upper

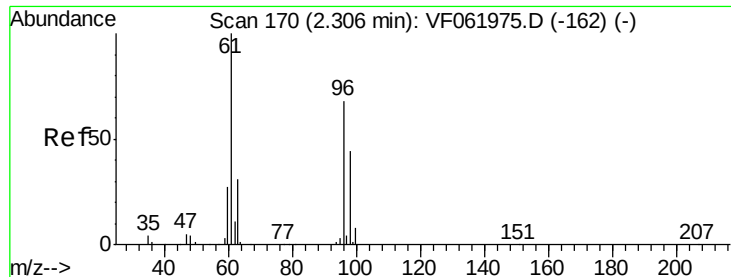
84 100

49 0.0 107.0 160.6#

51 0.0 37.2 55.8#

86 0.0 55.3 82.9#





#21

trans-1,2-Dichloroethene

Concen: 13.274 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.02 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

TP-1

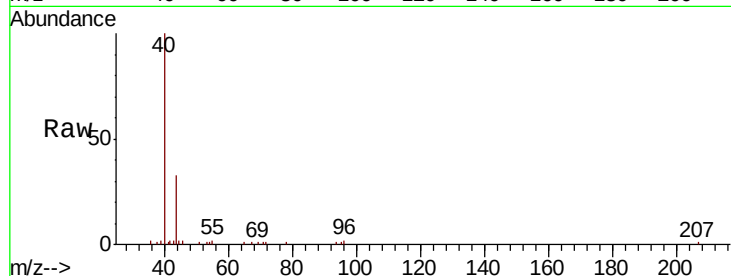
Tgt Ion: 96 Resp: 168

Ion Ratio Lower Upper

96 100

61 0.0 117.4 176.2#

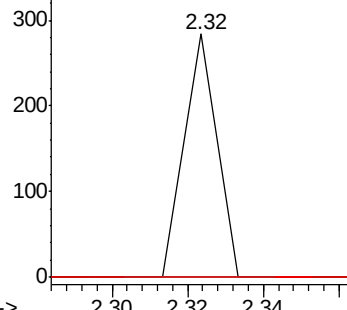
98 0.0 51.2 76.8#



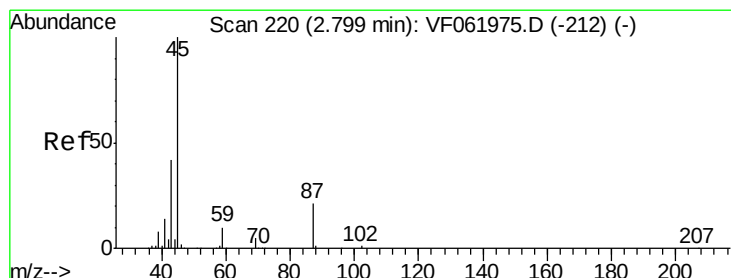
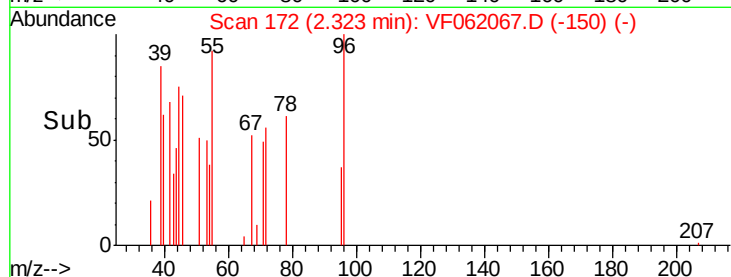
Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#22

Diisopropyl ether

Concen: 13.749 ug/l

RT: 2.84 min Scan# 224

Delta R.T. 0.04 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Tgt Ion: 45 Resp: 512

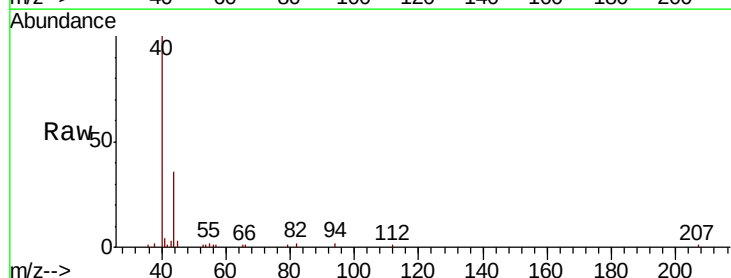
Ion Ratio Lower Upper

45 100

43 94.8 33.7 50.5#

87 0.0 17.1 25.7#

59 0.0 8.0 12.0#

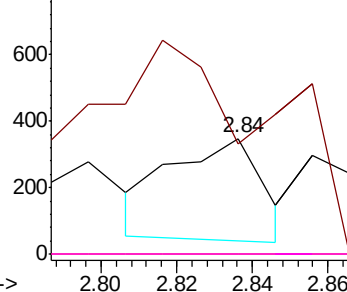


Abundance Ion 45.00 (44.70 to 45.70): VF0

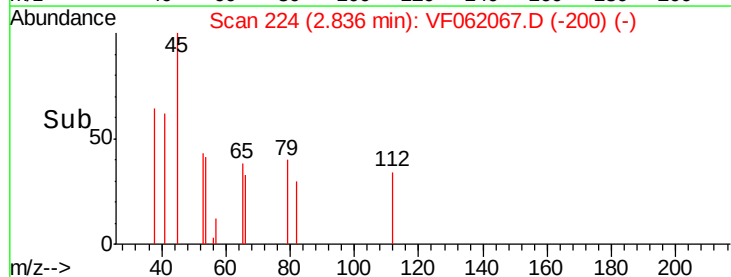
Ion 43.00 (42.70 to 43.70): VF0

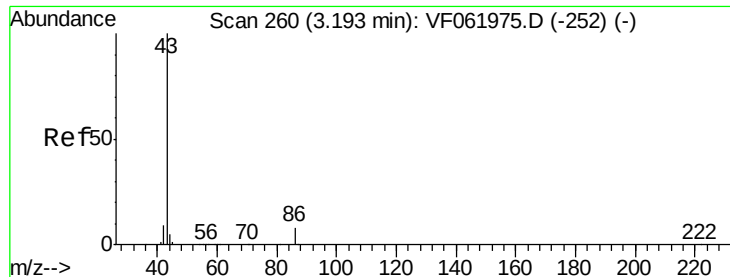
Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



Time-->





#23

Vinyl Acetate

Concen: 21.935 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampled :

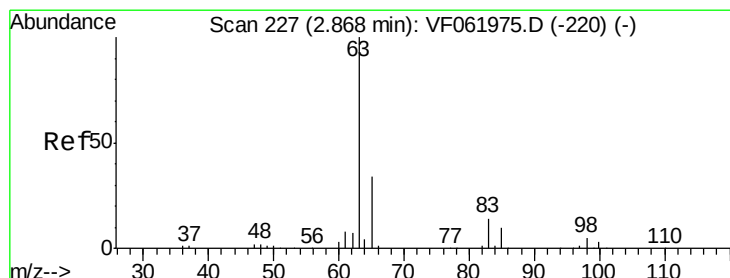
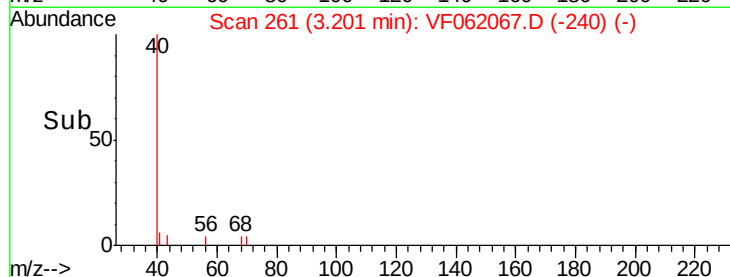
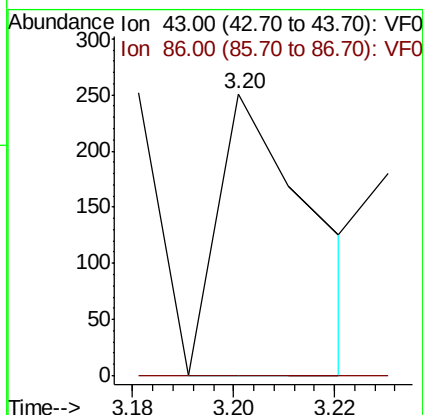
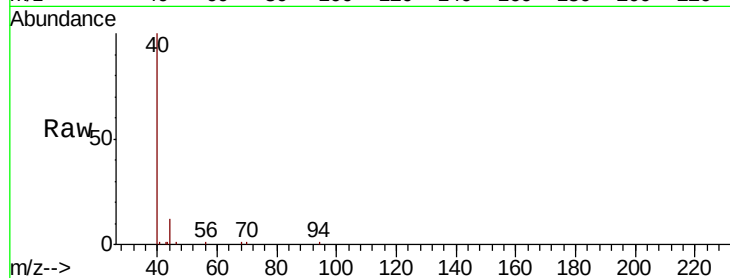
TP-1

Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

43 100

86 0.0 6.5 9.7#



#24

1,1-Dichloroethane

Concen: 3.556 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.06 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

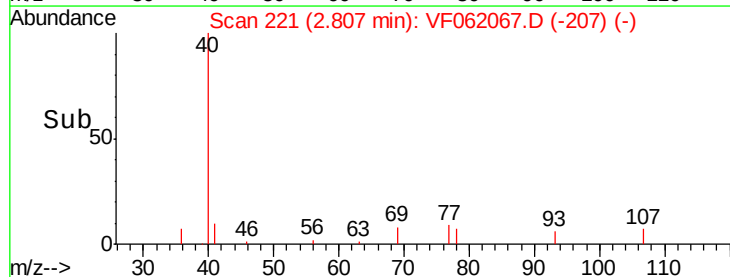
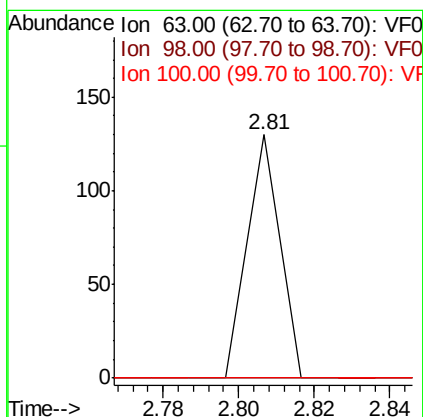
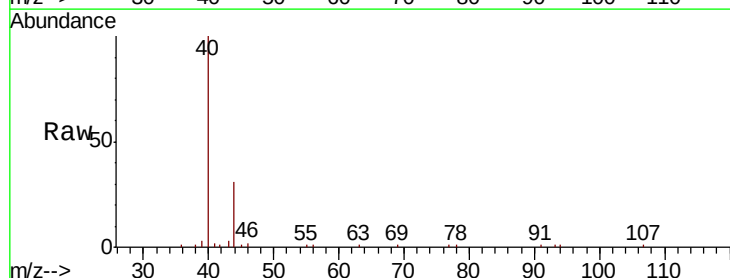
Tgt Ion: 63 Resp: 77

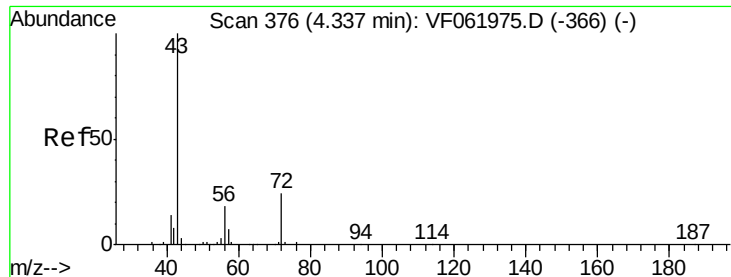
Ion Ratio Lower Upper

63 100

98 0.0 2.7 8.1#

100 0.0 1.7 5.0#





#25

2-Butanone

Concen: 19.129 ug/l

RT: 4.33 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

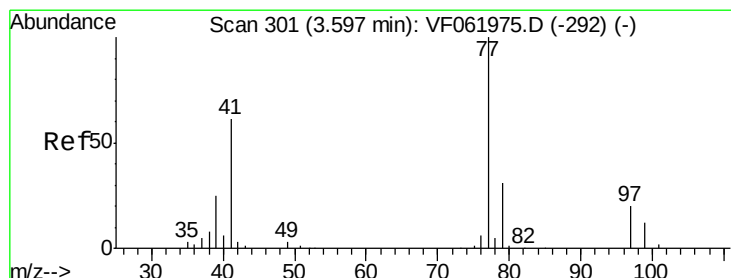
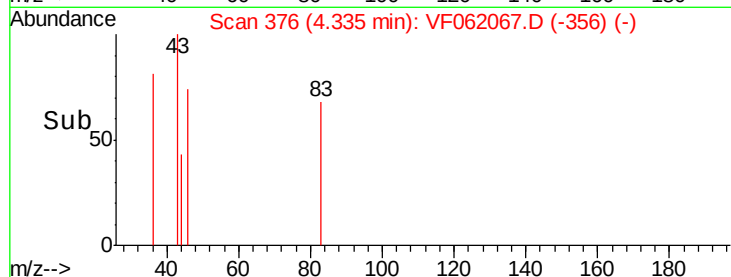
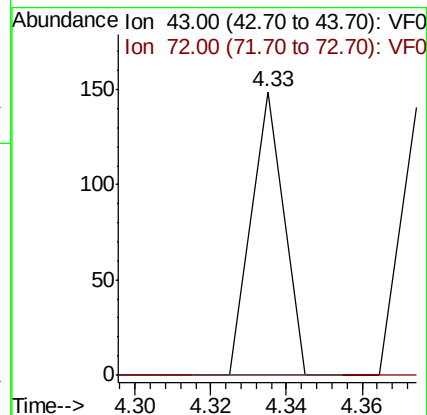
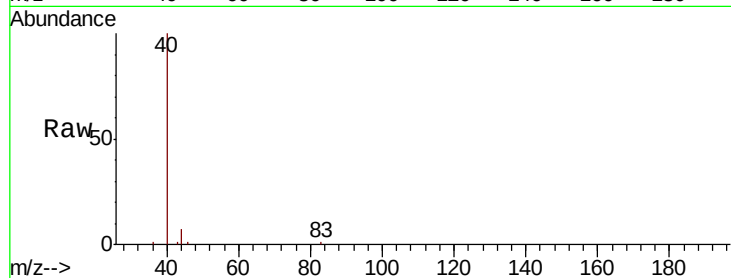
TP-1

Tgt Ion: 43 Resp: 88

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#26

2,2-Dichloropropane

Concen: 5.973 ug/l

RT: 3.64 min Scan# 306

Delta R.T. 0.05 min

Lab File: VF062067.D

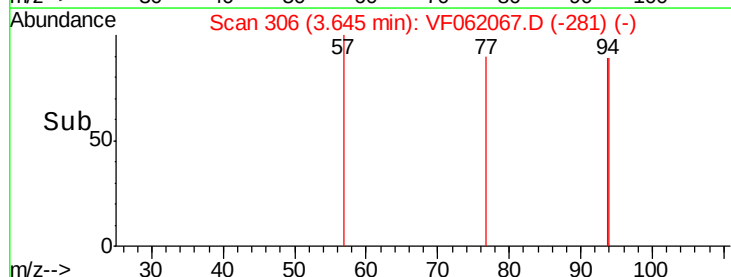
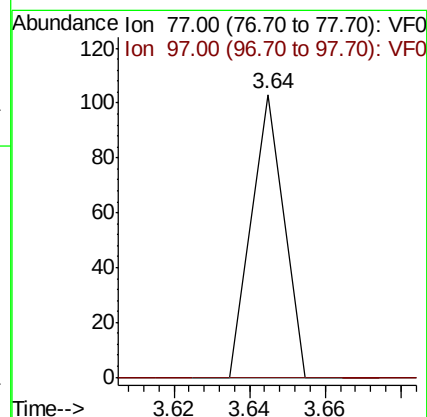
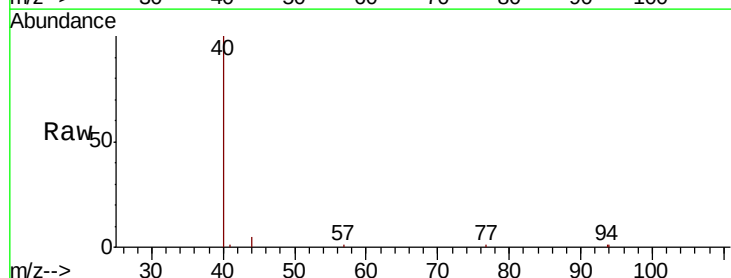
Acq: 21 Mar 2019 18:21

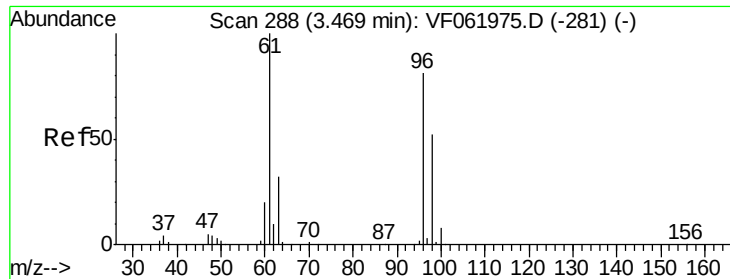
Tgt Ion: 77 Resp: 61

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



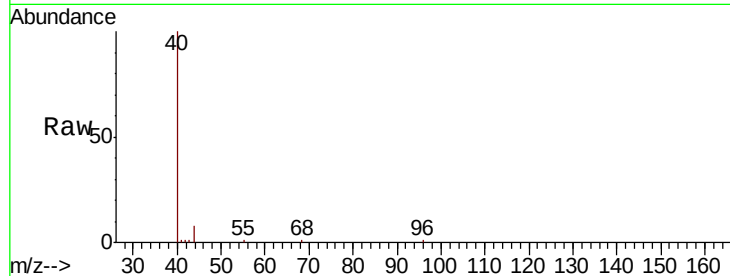


#27

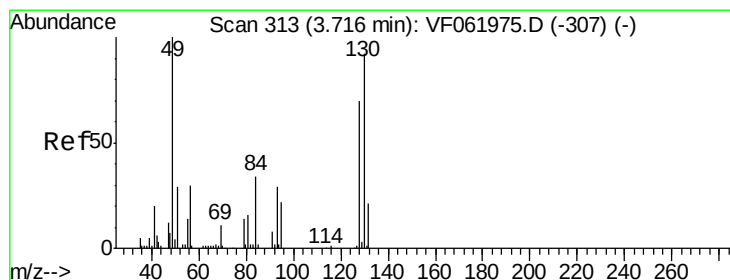
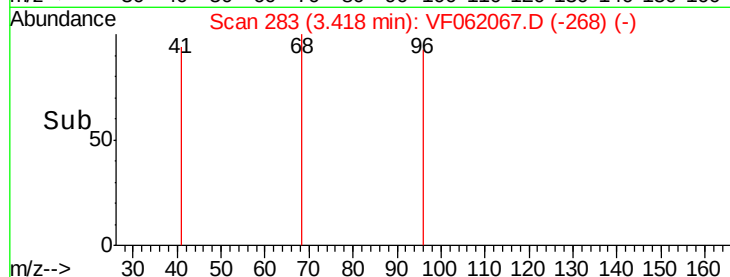
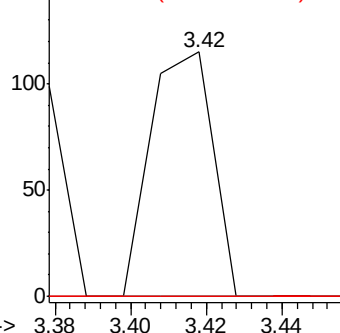
cis-1,2-Dichloroethene
Concen: 8.149 ug/l
RT: 3.42 min Scan# 283
Delta R.T. -0.05 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

Instrument :
MSVOA_F
ClientSampled :
TP-1

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



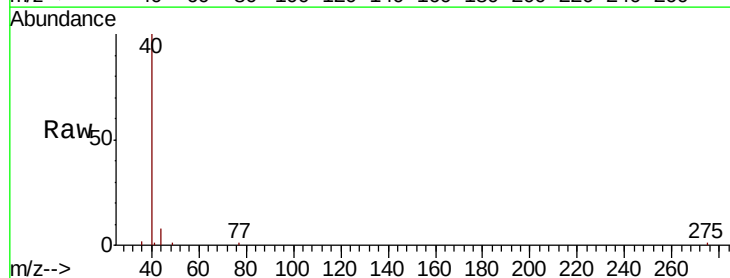
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



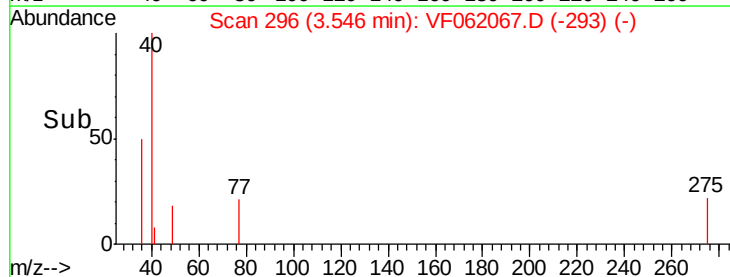
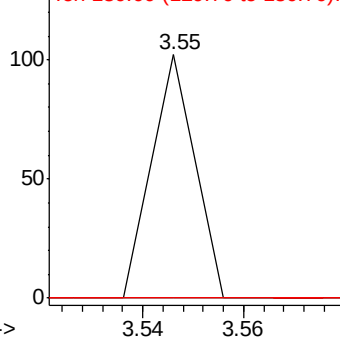
#28

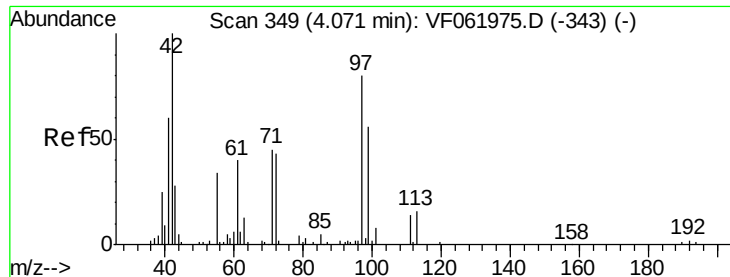
Bromochloromethane
Concen: 6.678 ug/l
RT: 3.55 min Scan# 296
Delta R.T. -0.17 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

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

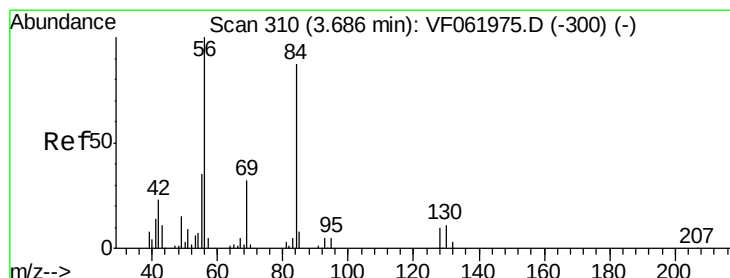
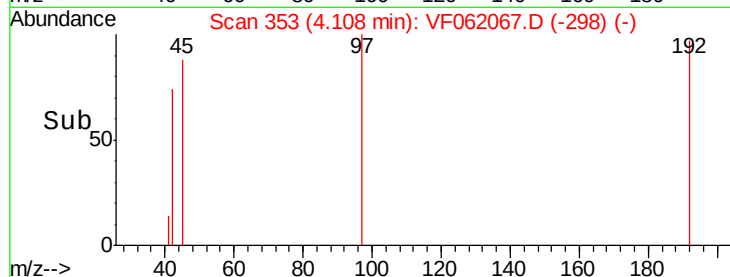
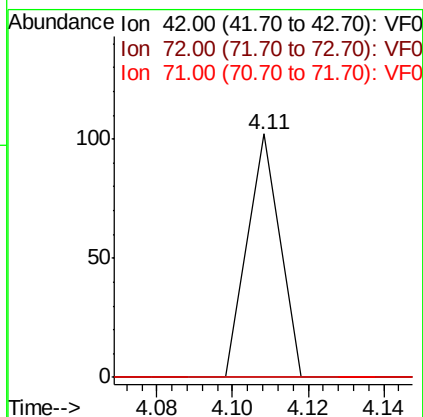
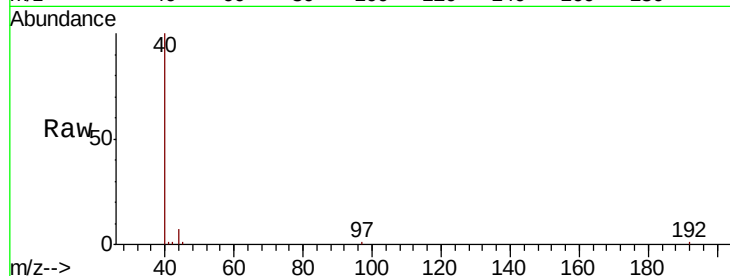




#29
Tetrahydrofuran
Concen: 29.991 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.04 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

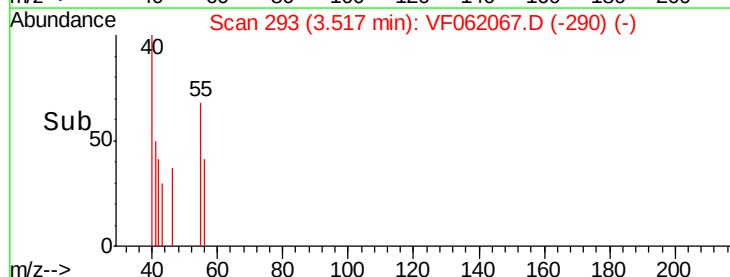
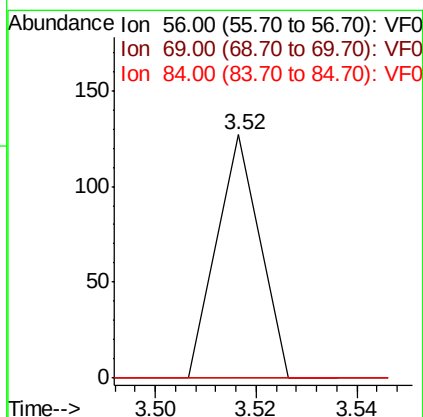
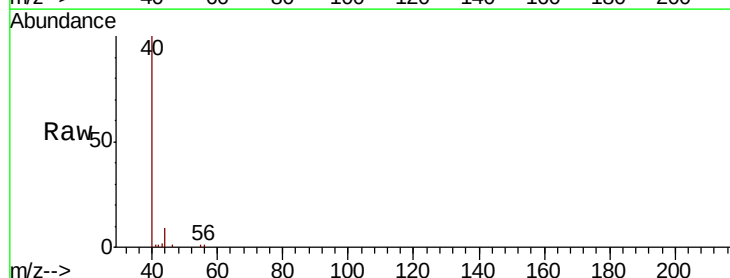
Instrument :
MSVOA_F
ClientSampleId :
TP-1

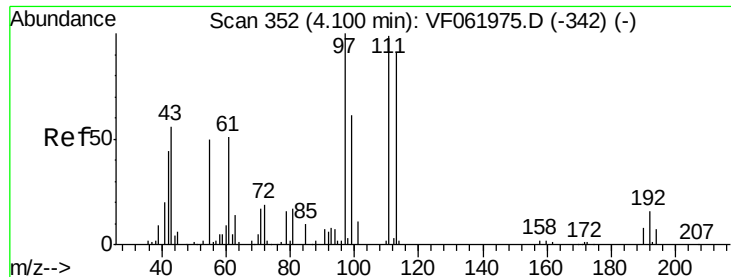
Tgt Ion: 42 Resp: 60
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 34.2 51.4#



#31
Cyclohexane
Concen: 3.506 ug/l
RT: 3.52 min Scan# 293
Delta R.T. -0.17 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
69 0.0 25.8 38.8#
84 0.0 69.5 104.3#





#32

1,1,1-Trichloroethane

Concen: 5.033 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

TP-1

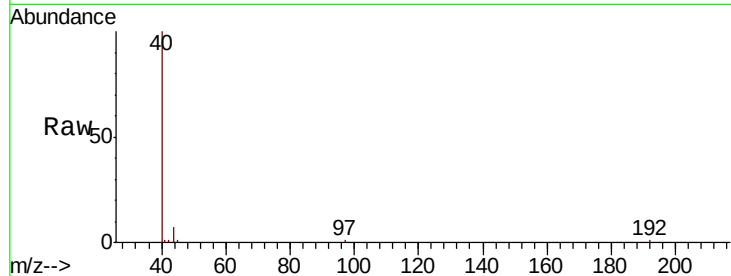
Tgt Ion: 97 Resp: 82

Ion Ratio Lower Upper

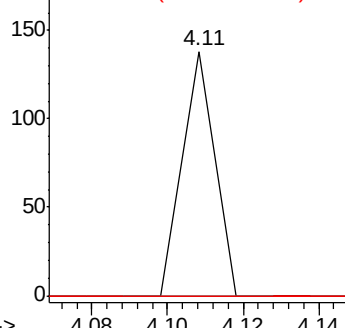
97 100

99 0.0 49.0 73.4#

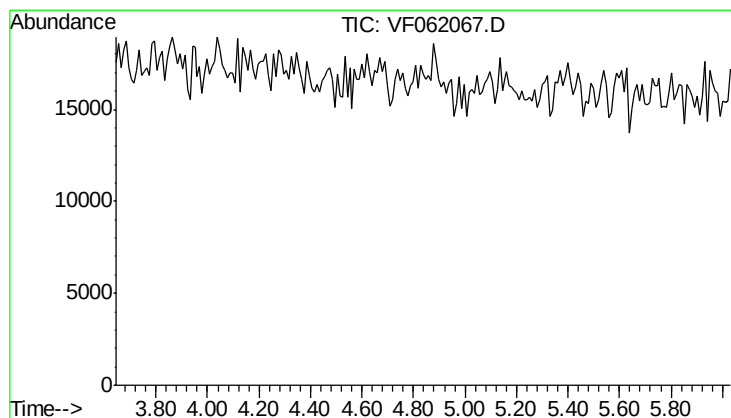
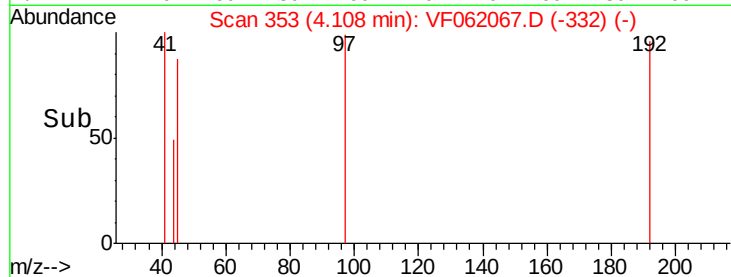
61 0.0 41.4 62.0#



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.84 min

Lab File: VF062067.D

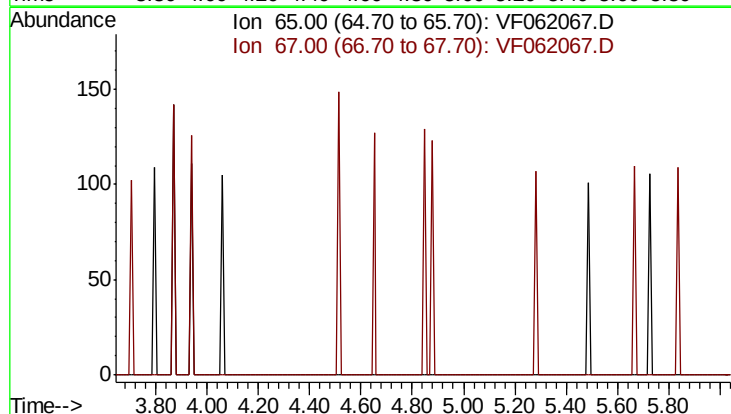
Acq: 21 Mar 2019 18:21

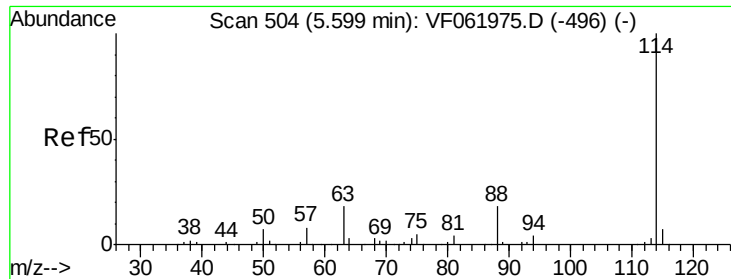
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.7

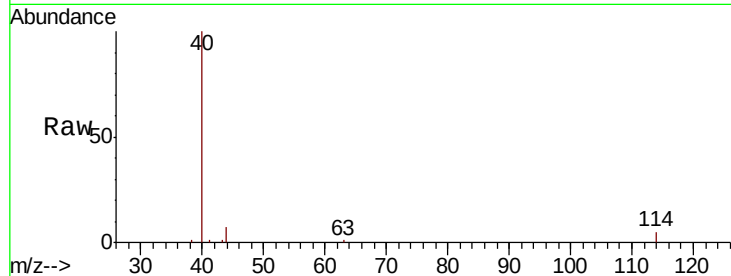




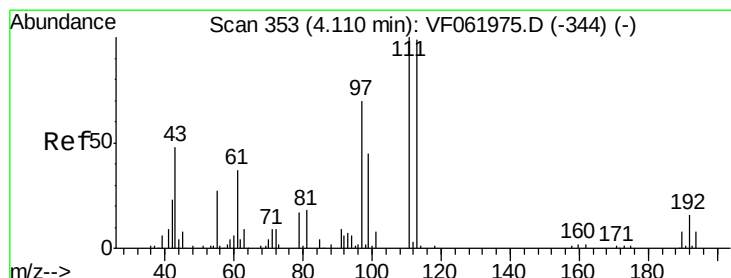
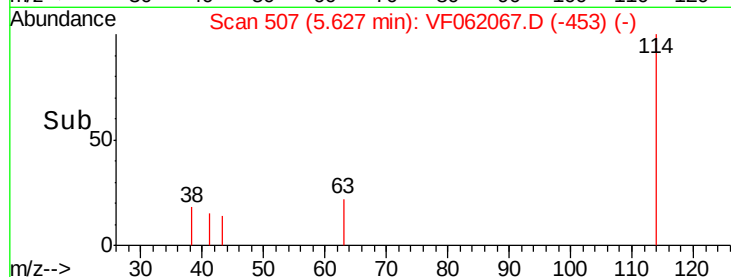
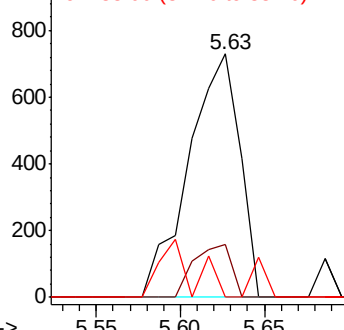
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.03 min
 Lab File: VF062067.D
 Acq: 21 Mar 2019 18:21

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1

Tgt Ion:114 Resp: 1534
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 36.4
 88 0.0 0.0 36.4

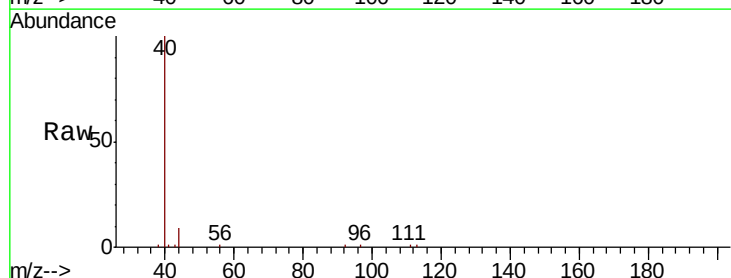


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

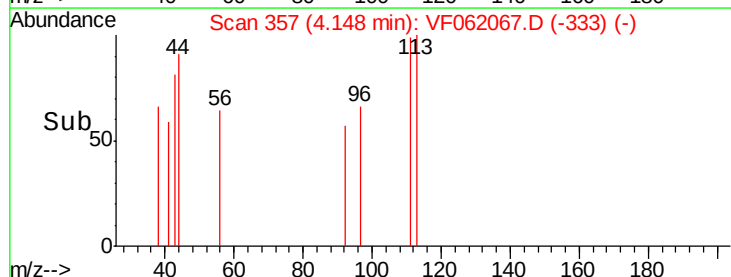
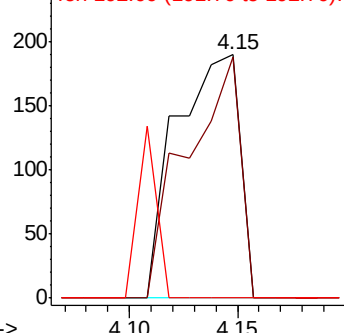


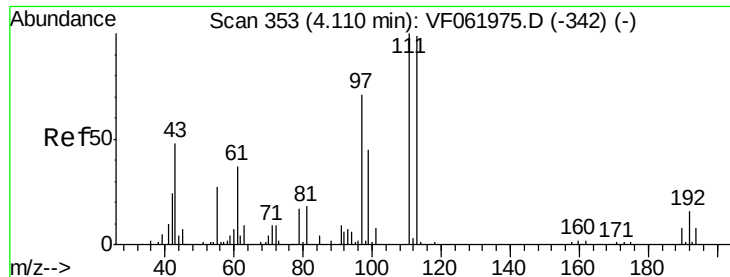
#35
 Dibromofluoromethane
 Concen: 37.666 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.04 min
 Lab File: VF062067.D
 Acq: 21 Mar 2019 18:21

Tgt Ion:113 Resp: 388
 Ion Ratio Lower Upper
 113 100
 111 98.9 80.8 121.2
 192 0.0 13.0 19.6#



Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: 27.010 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.04 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

TP-1

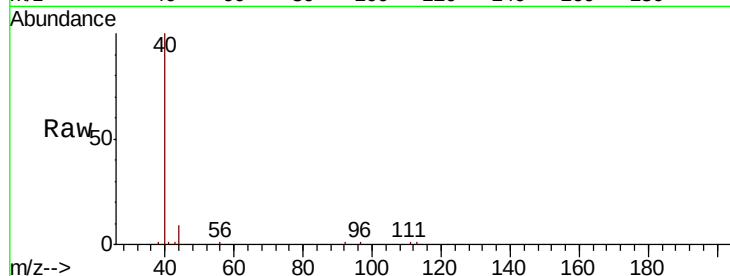
Tgt Ion: 43 Resp: 168

Ion Ratio Lower Upper

43 100

61 0.0 59.8 89.6#

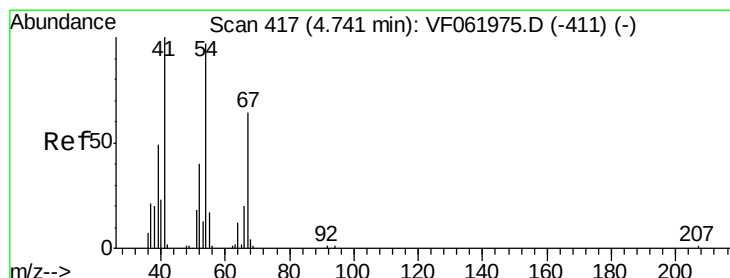
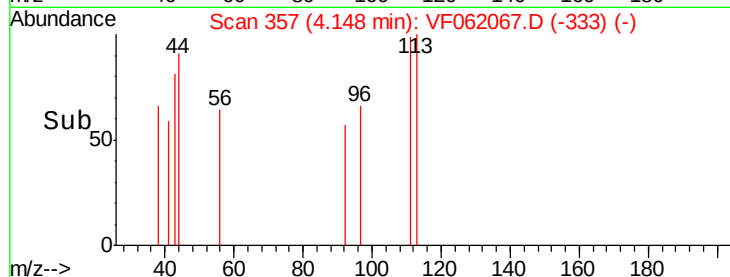
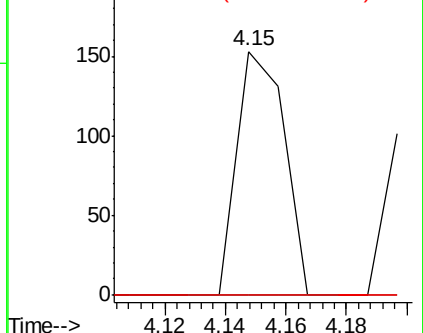
70 0.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#41

Methacrylonitrile

Concen: 30.693 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.05 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Tgt Ion: 41 Resp: 102

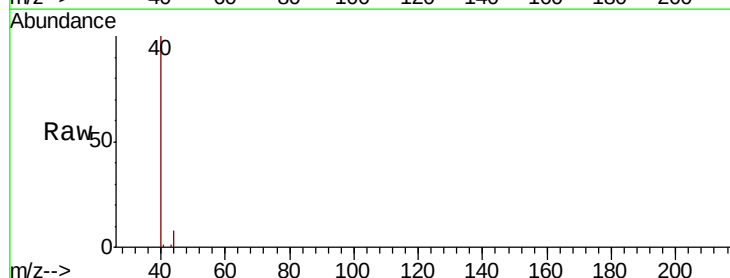
Ion Ratio Lower Upper

41 100

39 0.0 46.2 69.4#

67 0.0 49.8 74.8#

52 0.0 42.7 64.1#

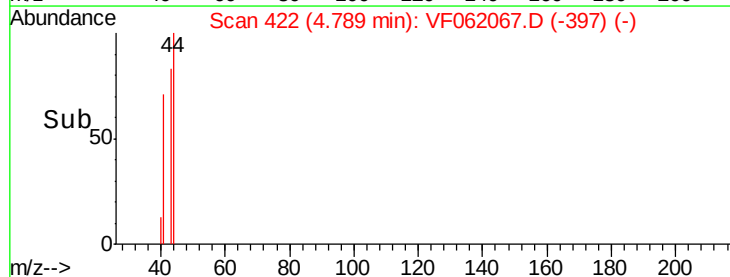
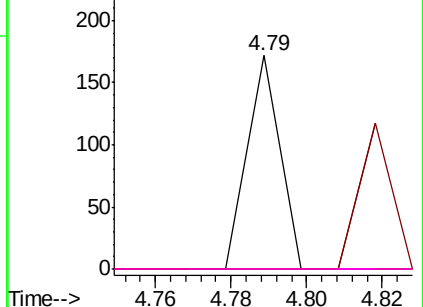


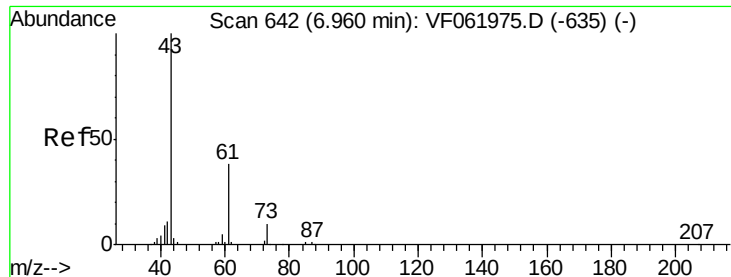
Abundance Ion 41.00 (40.70 to 41.70): VF0

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

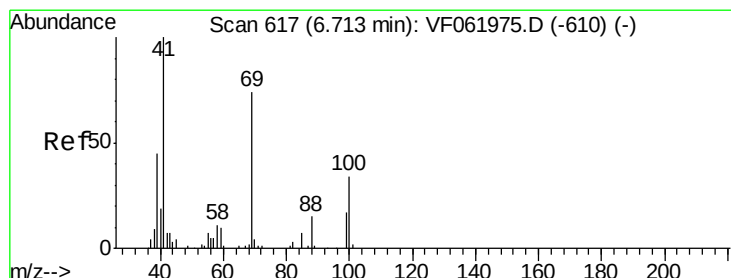
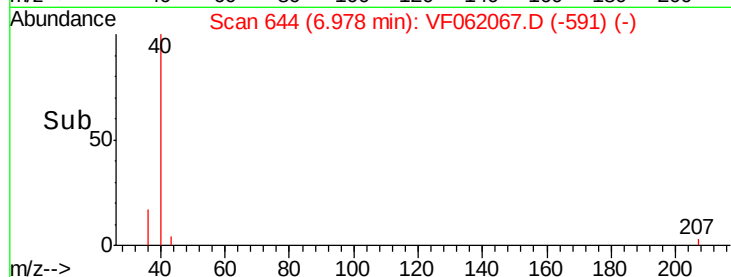
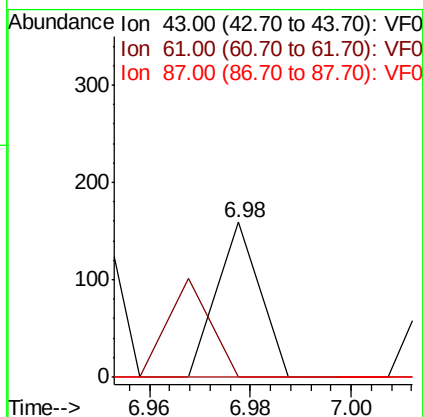
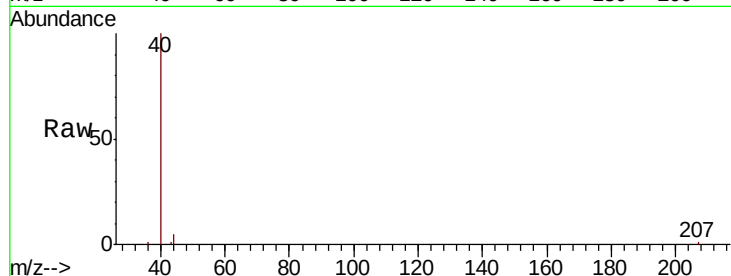




#43
Isopropyl Acetate
Concen: 12.773 ug/l
RT: 6.98 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

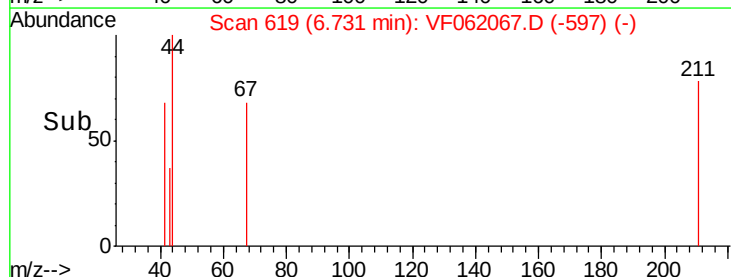
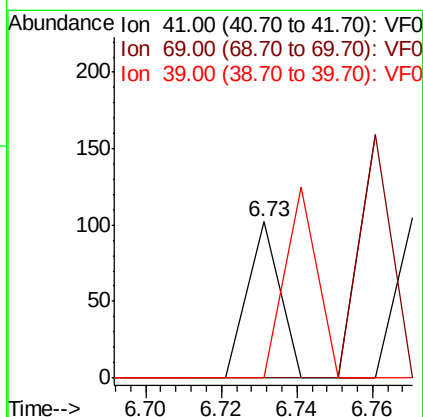
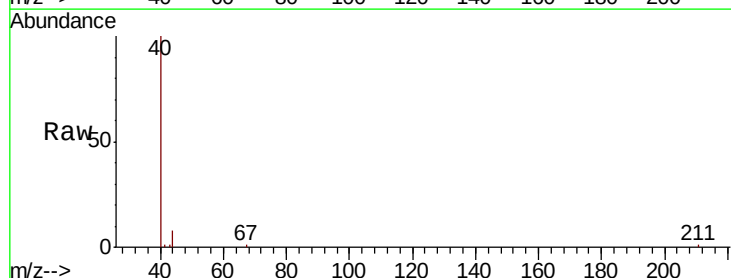
Instrument :
MSVOA_F
ClientSampleId :
TP-1

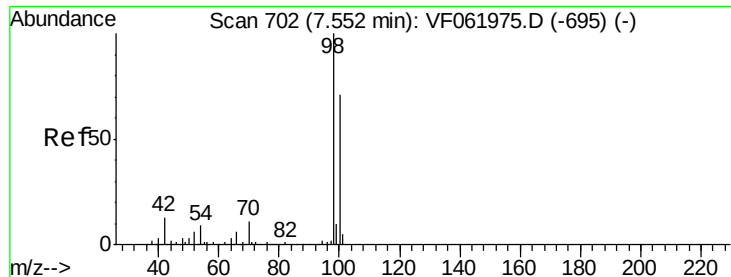
Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
61 0.0 30.1 45.1#
87 0.0 0.4 0.6#



#48
Methyl methacrylate
Concen: 12.615 ug/l
RT: 6.73 min Scan# 619
Delta R.T. 0.02 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
69 0.0 59.0 88.6#
39 0.0 35.6 53.4#





#50

Toluene-d8

Concen: 51.506 ug/l

RT: 7.58 min Scan# 705

Delta R.T. 0.03 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampled :

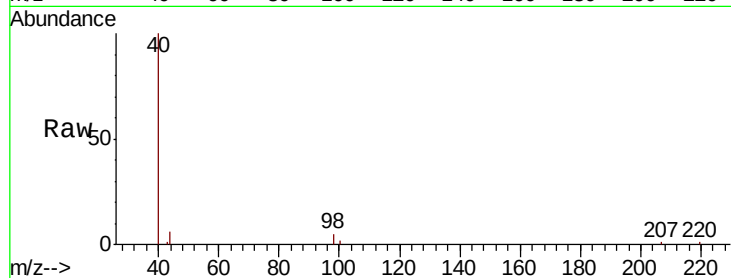
TP-1

Tgt Ion: 98 Resp: 1551

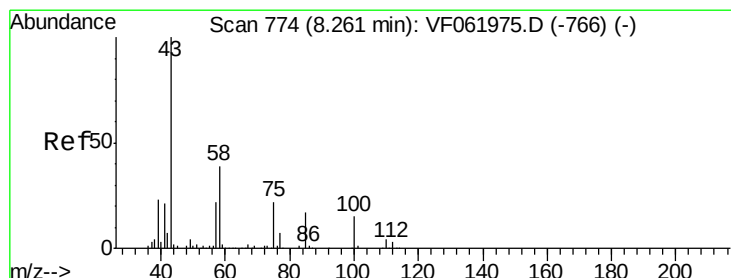
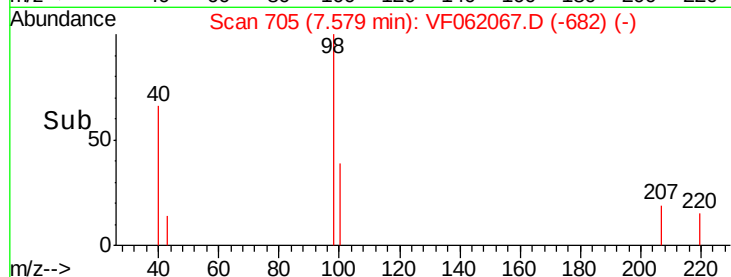
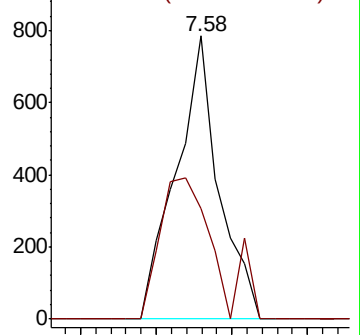
Ion Ratio Lower Upper

98 100

100 39.2 56.8 85.2#



Abundance Ion 98.00 (97.70 to 98.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 18.179 ug/l

RT: 8.34 min Scan# 782

Delta R.T. 0.08 min

Lab File: VF062067.D

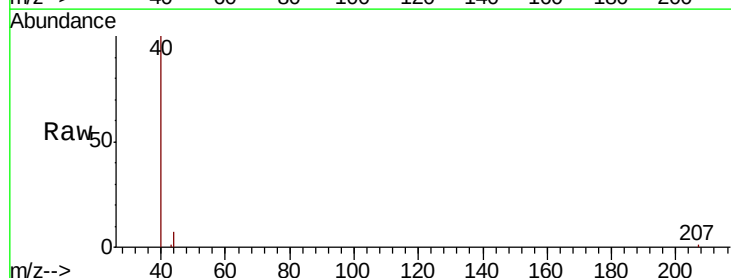
Acq: 21 Mar 2019 18:21

Tgt Ion: 43 Resp: 95

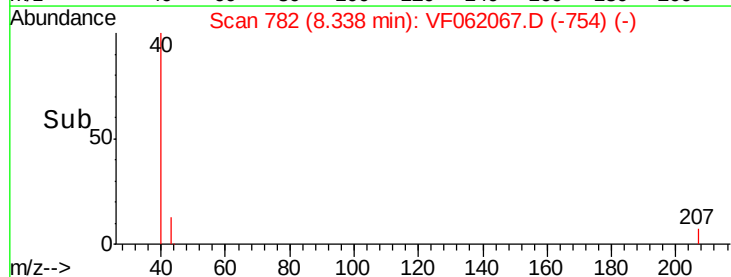
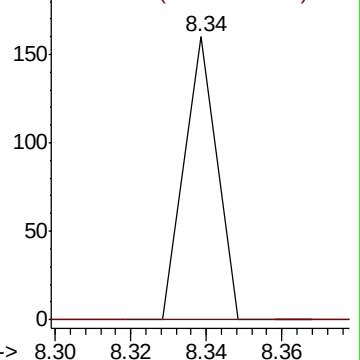
Ion Ratio Lower Upper

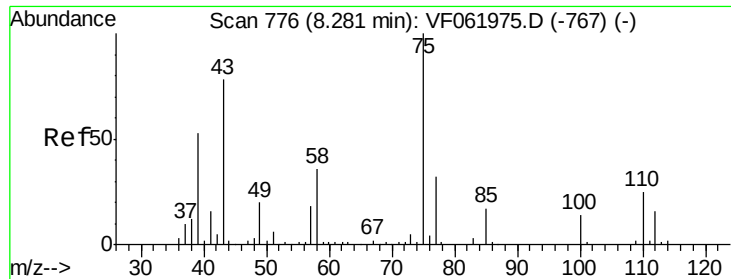
43 100

58 0.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

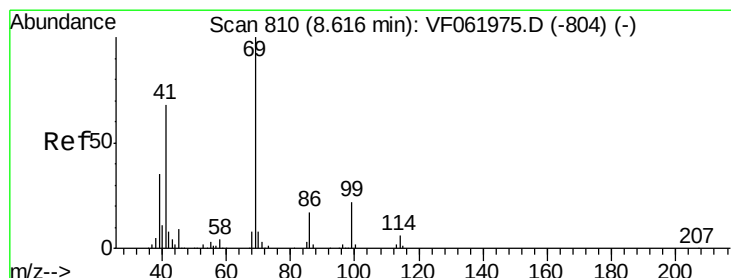
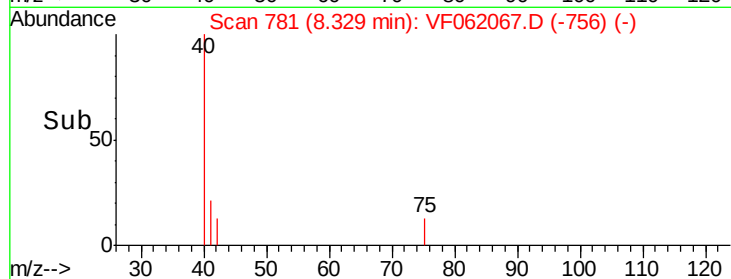
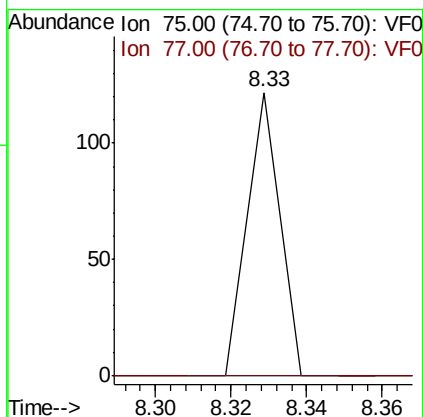
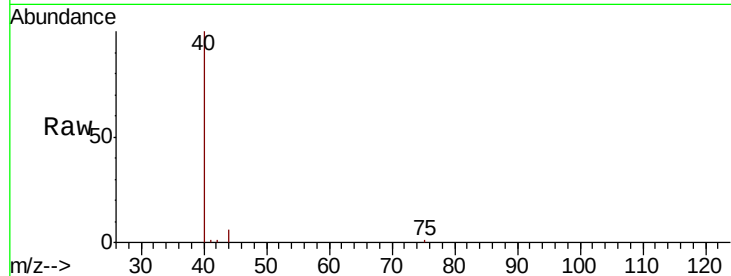




#53
t-1,3-Dichloropropene
Concen: 7.000 ug/l
RT: 8.33 min Scan# 781
Delta R.T. 0.05 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

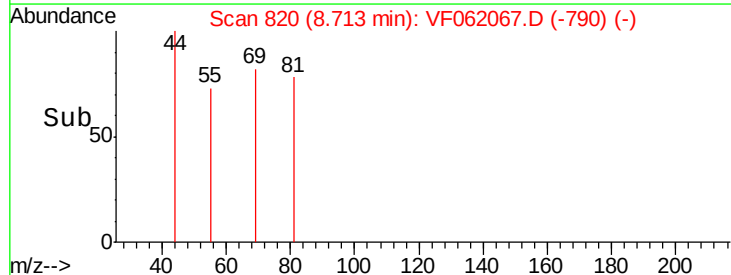
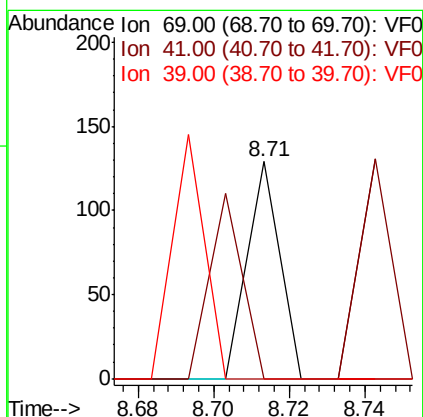
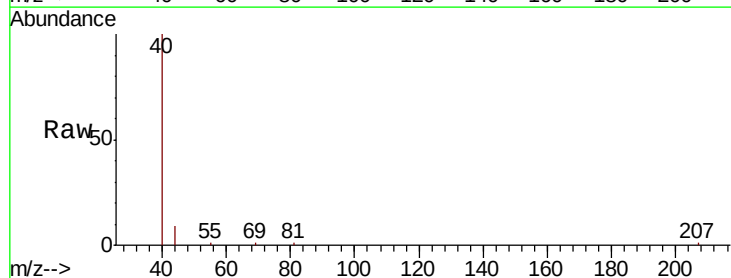
Instrument :
MSVOA_F
ClientSampled :
TP-1

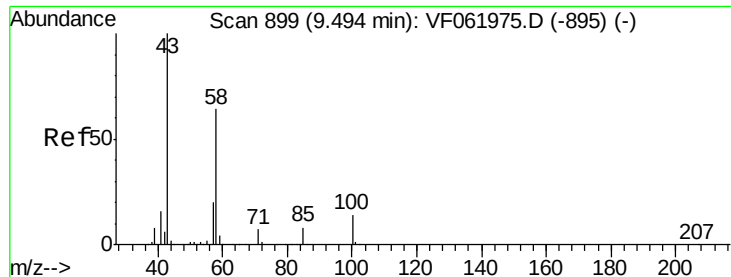
Tgt Ion: 75 Resp: 72
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



#56
Ethyl methacrylate
Concen: 10.681 ug/l
RT: 8.71 min Scan# 820
Delta R.T. 0.10 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

Tgt Ion: 69 Resp: 76
Ion Ratio Lower Upper
69 100
41 0.0 54.7 82.1#
39 0.0 27.9 41.9#

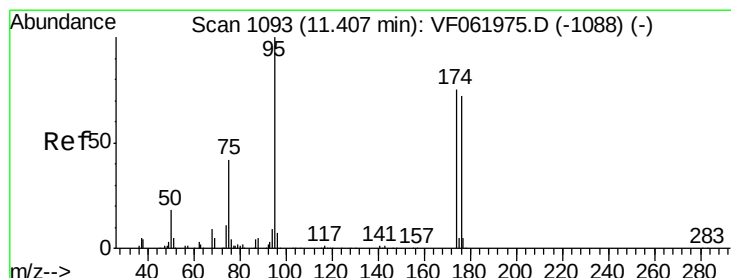
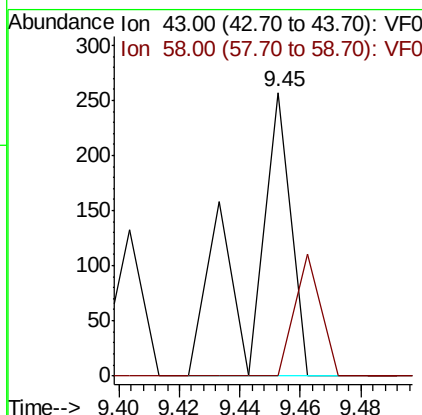
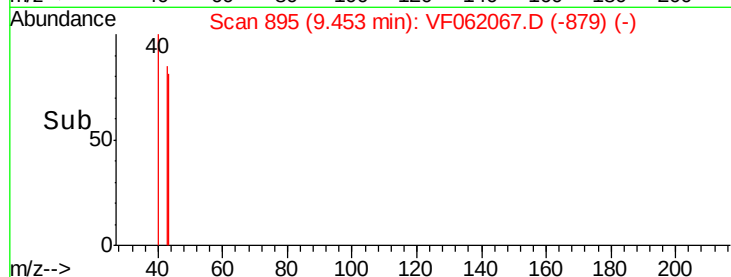
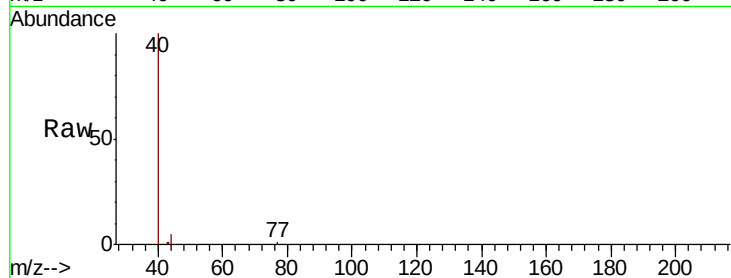




#59
2-Hexanone
Concen: 65.044 ug/l
RT: 9.45 min Scan# 895
Delta R.T. -0.04 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

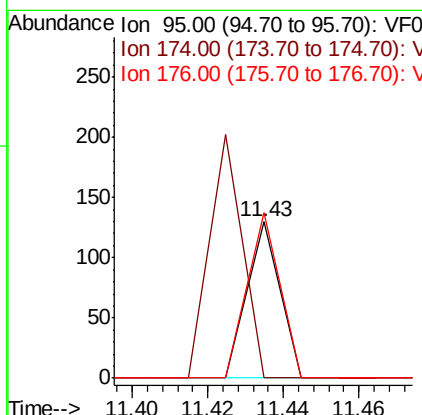
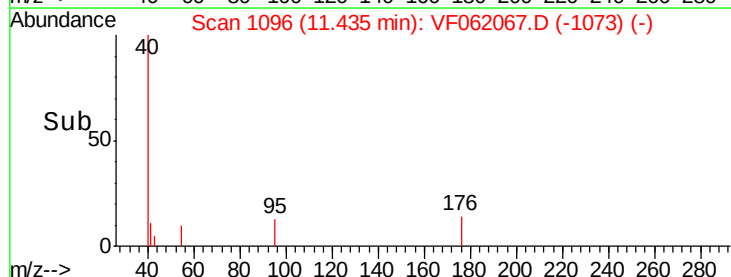
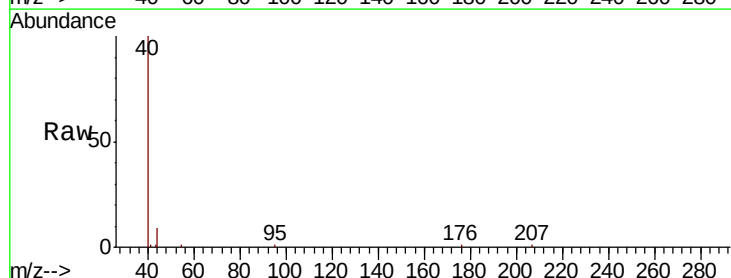
Instrument :
MSVOA_F
ClientSampled :
TP-1

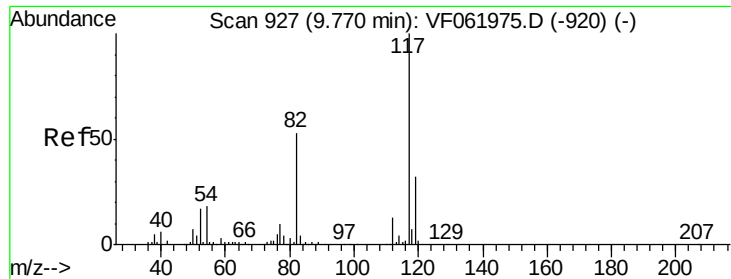
Tgt Ion: 43 Resp: 246
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 6.437 ug/l
RT: 11.43 min Scan# 1096
Delta R.T. 0.03 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

Tgt Ion: 95 Resp: 77
Ion Ratio Lower Upper
95 100
174 0.0 0.0 149.4
176 106.2 0.0 143.4

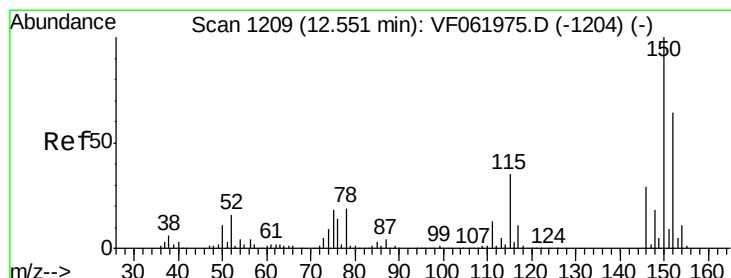
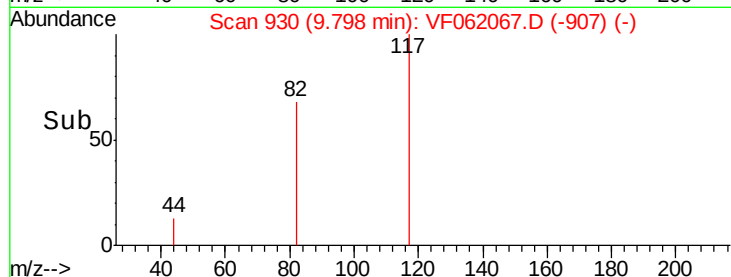
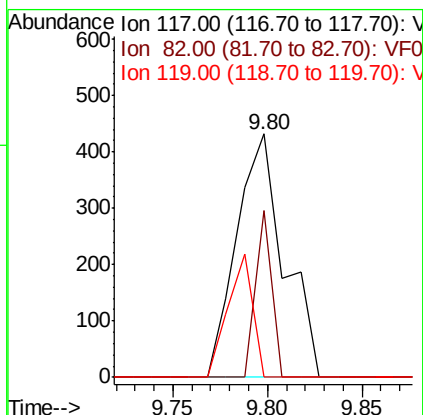
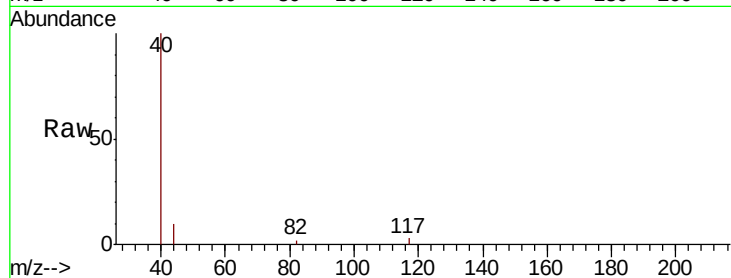




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.03 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

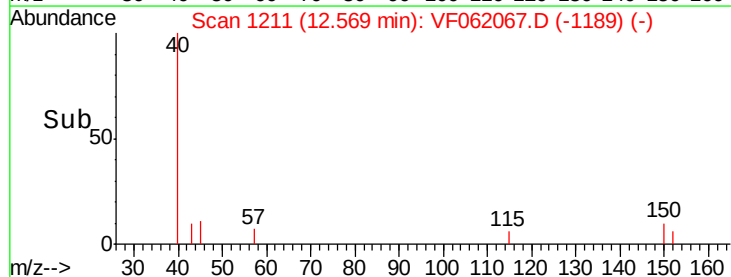
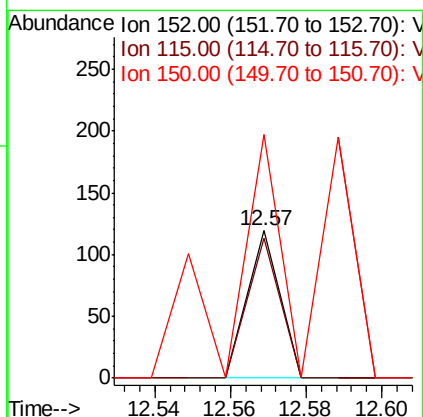
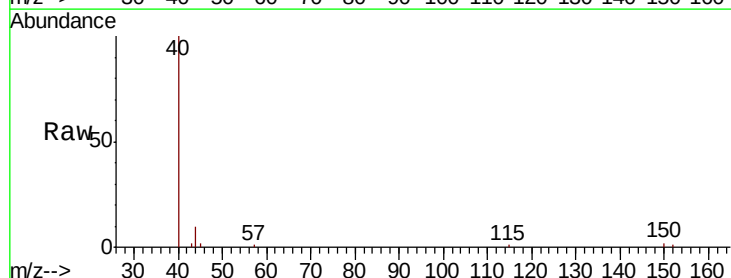
Instrument :
MSVOA_F
ClientSampleId :
TP-1

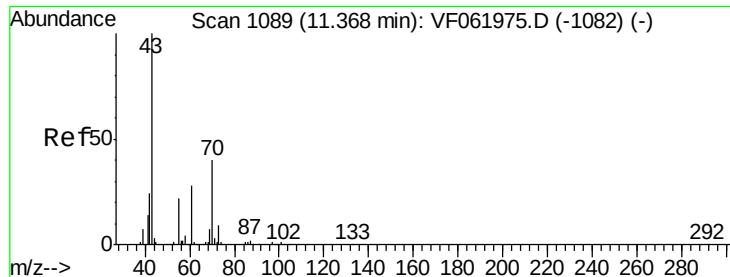
Tgt Ion:117 Resp: 752
Ion Ratio Lower Upper
117 100
82 68.3 42.5 63.7#
119 0.0 25.4 38.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.02 min
Lab File: VF062067.D
Acq: 21 Mar 2019 18:21

Tgt Ion:152 Resp: 70
Ion Ratio Lower Upper
152 100
115 95.0 27.3 81.9#
150 165.5 0.0 316.2





#74

N-amyI acetate

Concen: 64.976 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

TP-1

Tgt Ion: 43 Resp: 72

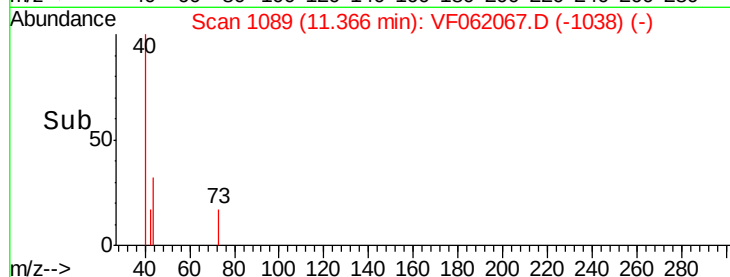
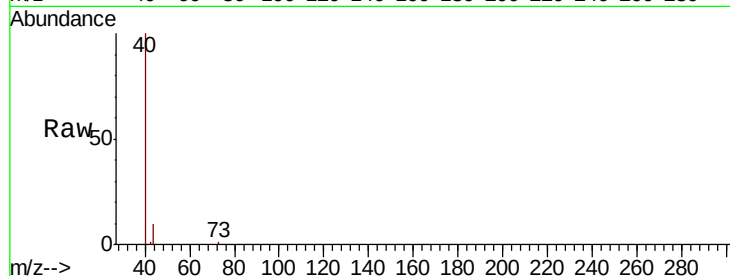
Ion Ratio Lower Upper

43 100

70 0.0 31.9 47.9#

55 0.0 17.9 26.9#

61 0.0 22.2 33.2#

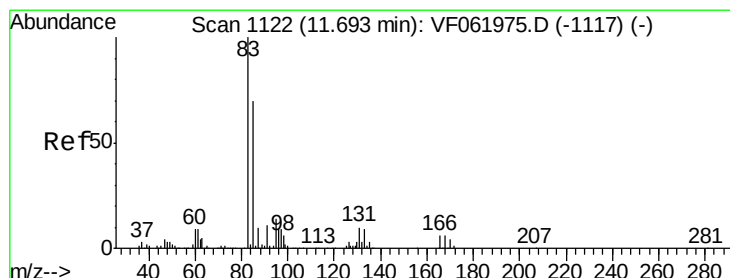
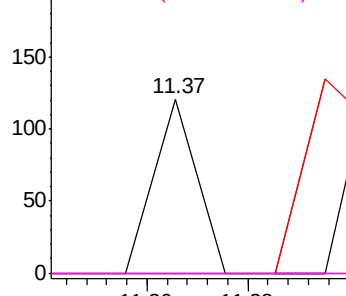


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 86.440 ug/l

RT: 11.53 min Scan# 1106

Delta R.T. -0.16 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

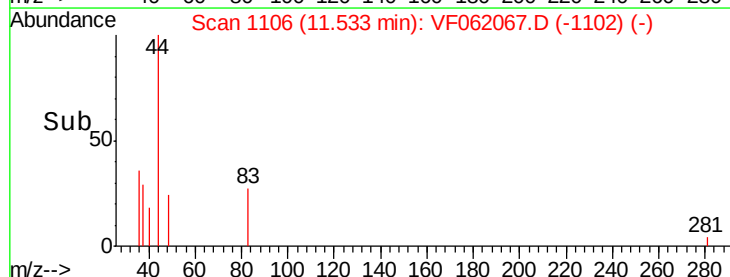
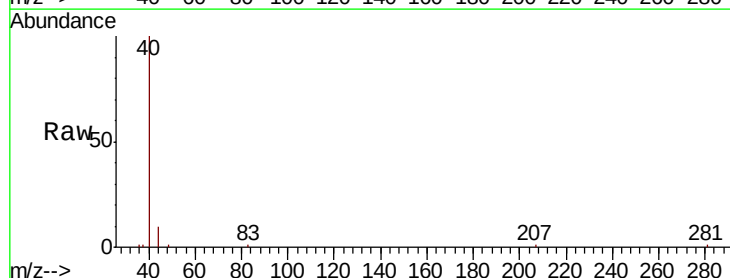
Tgt Ion: 83 Resp: 69

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

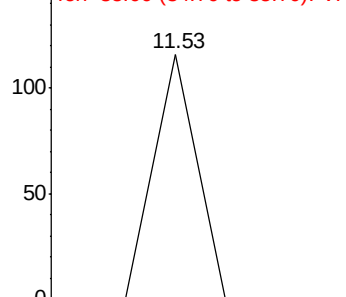
85 0.0 35.3 105.9#

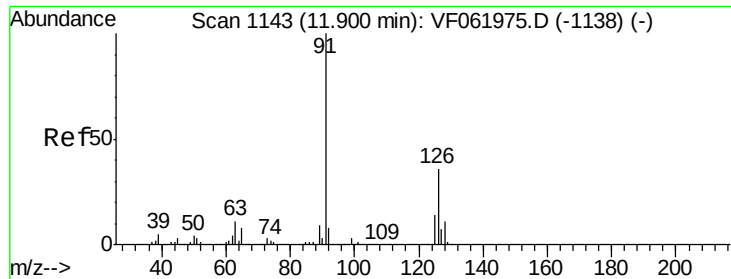


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#82

4-Chlorotoluene

Concen: 24.889 ug/l

RT: 12.04 min Scan# 1157

Delta R.T. 0.14 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

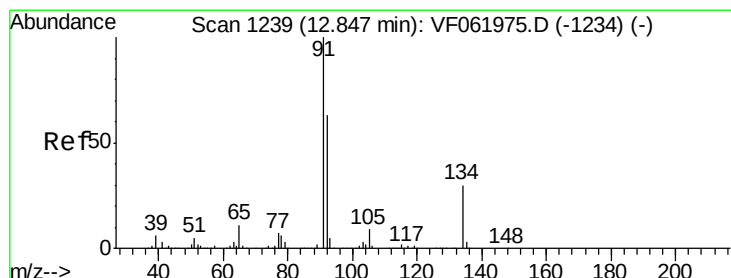
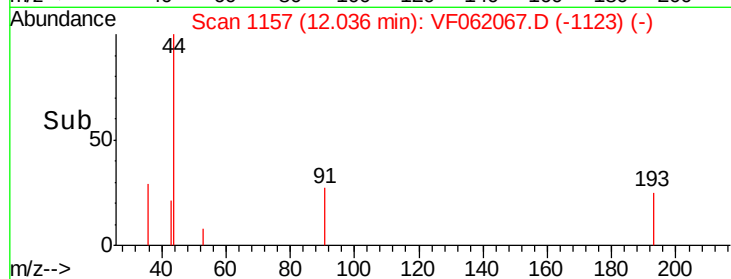
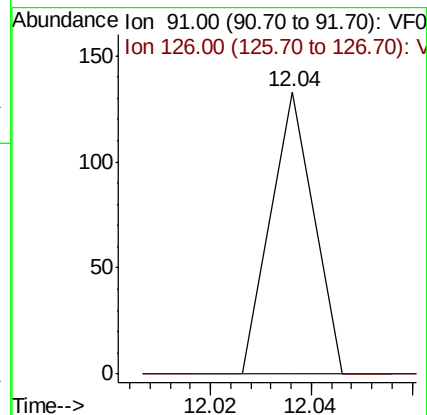
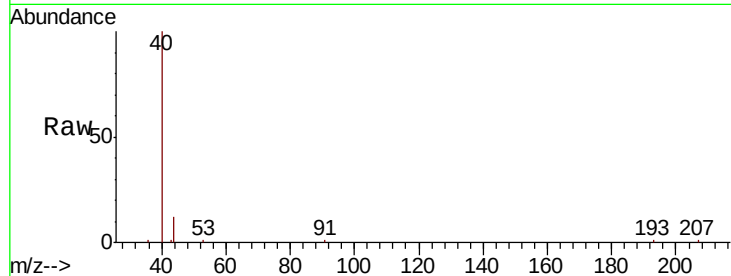
TP-1

Tgt Ion: 91 Resp: 79

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#89

n-Butylbenzene

Concen: 16.867 ug/l

RT: 12.81 min Scan# 1235

Delta R.T. -0.04 min

Lab File: VF062067.D

Acq: 21 Mar 2019 18:21

Tgt Ion: 91 Resp: 73

Ion Ratio Lower Upper

91 100

92 0.0 31.7 95.1#

134 0.0 15.1 45.3#

