

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062148.D
 Acq On : 26 Mar 2019 16:18
 Operator : VA/AP
 Sample : K2086-05
 Misc : 9.89g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 27 05:16:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	5347	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	5031	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	1865	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.56	152	326	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	217	5.46	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	10.92%	
35) Dibromofluoromethane	4.09	113	844	24.80	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	49.60%	
50) Toluene-d8	7.54	98	3575	35.19	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	70.38%	
62) 4-Bromofluorobenzene	11.40	95	536	13.67	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	27.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.24	50	264	3.683	ug/l	93
4) Vinyl Chloride	1.15	62	92	1.388	ug/l #	42
5) Bromomethane	1.32	94	337	7.071	ug/l #	5
6) Chloroethane	1.42	64	63	1.888	ug/l #	1
7) Trichlorofluoromethane	1.51	101	114	1.424	ug/l #	18
11) Tert butyl alcohol	2.64	59	83	37.929	ug/l #	66
12) 1,1-Dichloroethene	1.80	96	62	1.203	ug/l #	1
13) Acrolein	2.00	56	329	125.027	ug/l #	1
14) Allyl chloride	2.10	41	582	10.576	ug/l #	21
15) Acrylonitrile	2.92	53	59	7.667	ug/l #	14
16) Acetone	2.26	43	433	51.729	ug/l	97
18) Methyl Acetate	2.34	43	1305	65.358	ug/l #	56
21) trans-1,2-Dichloroethene	2.34	96	70	1.412	ug/l #	1
22) Diisopropyl ether	2.78	45	351	2.433	ug/l #	1
23) Vinyl Acetate	3.20	43	259	4.385	ug/l #	76
24) 1,1-Dichloroethane	2.86	63	95	1.098	ug/l #	1
25) 2-Butanone	4.32	43	172	9.843	ug/l #	55
26) 2,2-Dichloropropane	3.47	77	66	1.881	ug/l #	56
27) cis-1,2-Dichloroethene	3.45	96	73	1.111	ug/l	1
29) Tetrahydrofuran	4.09	42	153	20.138	ug/l #	33
37) Ethyl Acetate	4.13	43	80	3.820	ug/l #	24
41) Methacrylonitrile	4.76	41	70	6.317	ug/l #	24
43) Isopropyl Acetate	6.91	43	72	2.839	ug/l #	42
48) Methyl methacrylate	6.70	41	67	4.640	ug/l #	14
51) 4-Methyl-2-Pentanone	8.11	43	73	4.300	ug/l #	33
56) Ethyl methacrylate	8.48	69	69	2.737	ug/l #	29
59) 2-Hexanone	9.46	43	181	14.548	ug/l #	22
67) Ethyl Benzene	9.91	91	64	1.055	ug/l #	45
74) N-amyl acetate	11.42	43	167	30.553	ug/l #	43
76) 1,2,3-Trichloropropane	11.91	75	62	22.367	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.91	75	62	54.892	ug/l #	23
86) p-Isopropyltoluene	12.59	119	59	2.665	ug/l #	50
89) n-Butylbenzene	12.90	91	68	3.220	ug/l #	27

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Response via : Initial Calibration

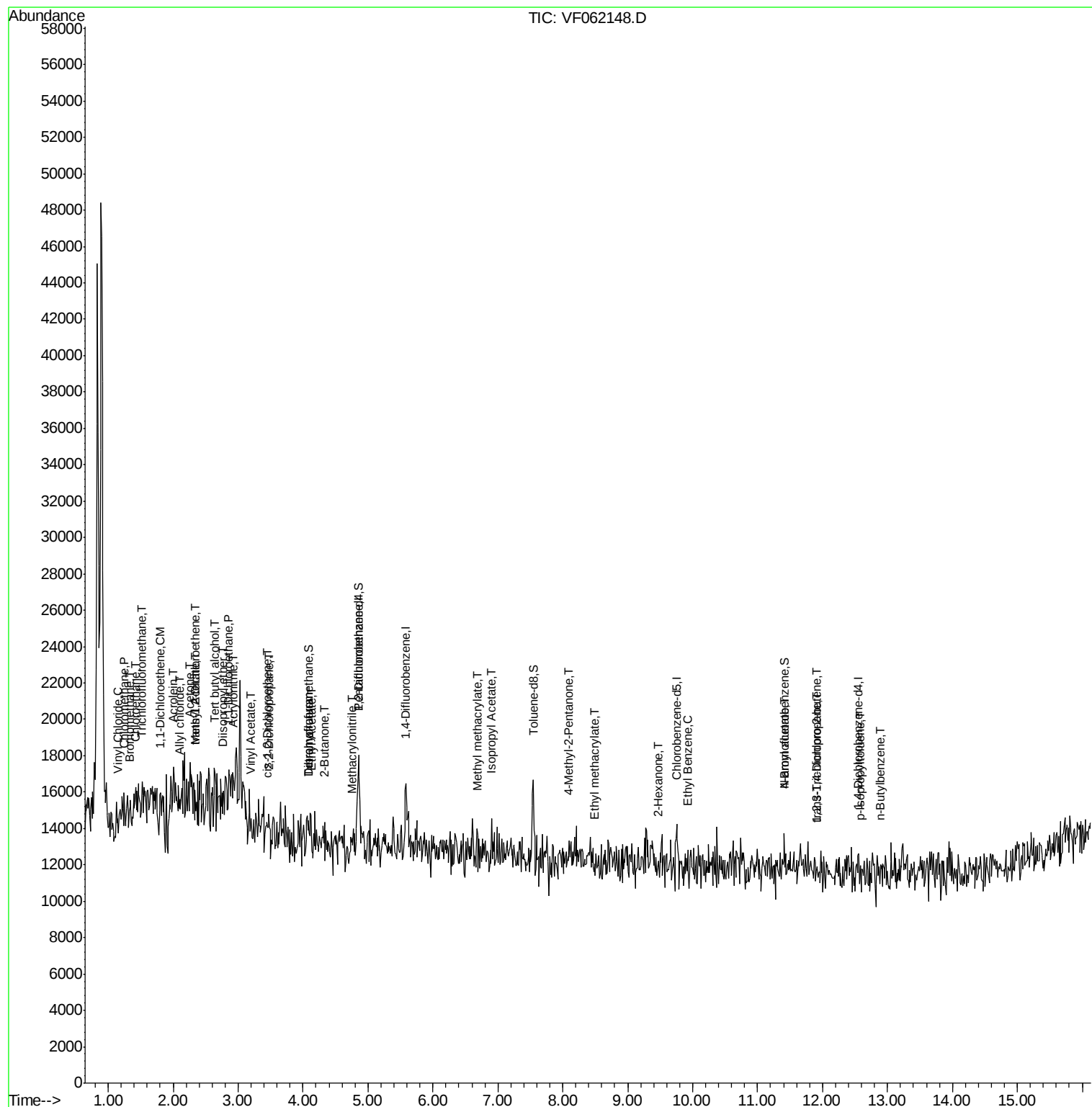
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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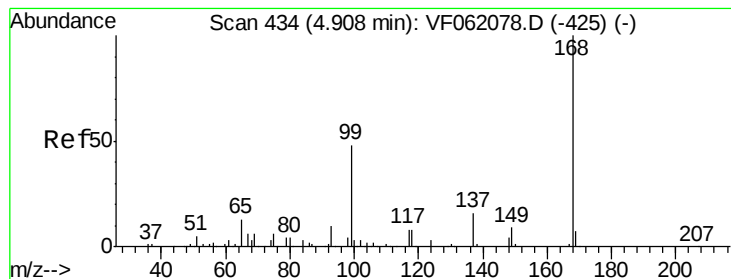
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.04 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

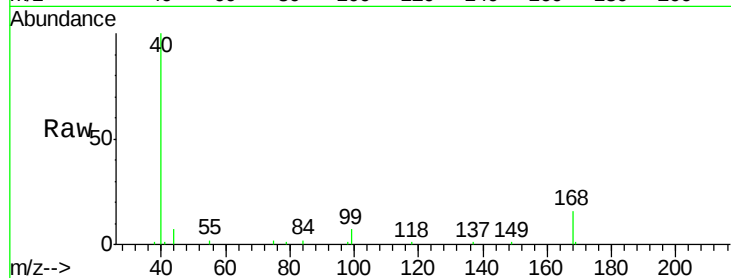
ClientSampled :

Tot Ion:168 Resp: 5347

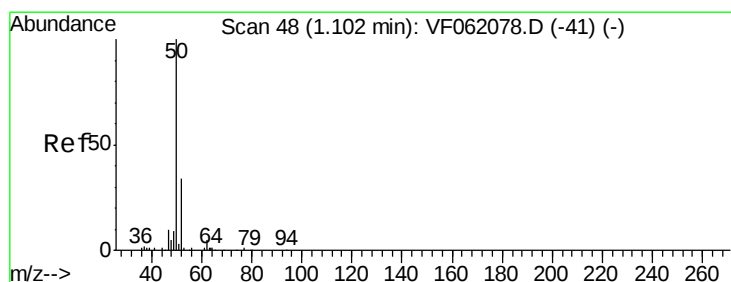
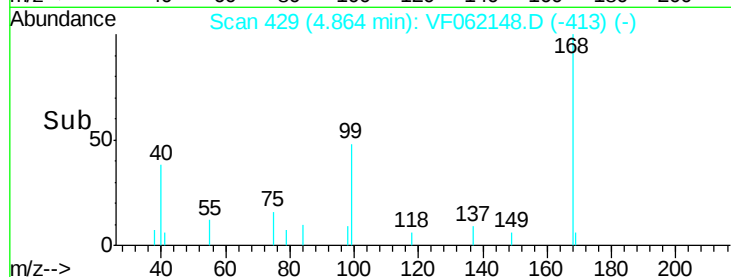
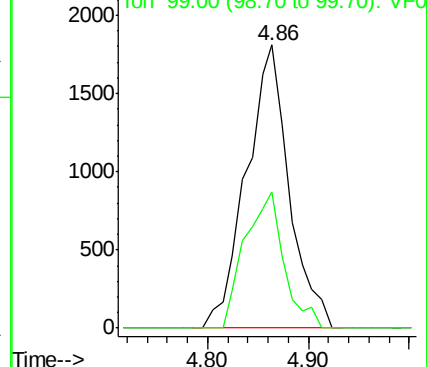
Ion Ratio Lower Upper

168 100

99 48.0 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 3.683 ug/l

RT: 1.24 min Scan# 61

Delta R.T. 0.13 min

Lab File: VF062148.D

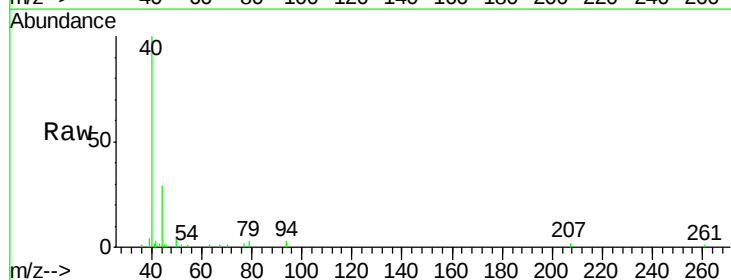
Acq: 26 Mar 2019 16:18

Tgt Ion: 50 Resp: 264

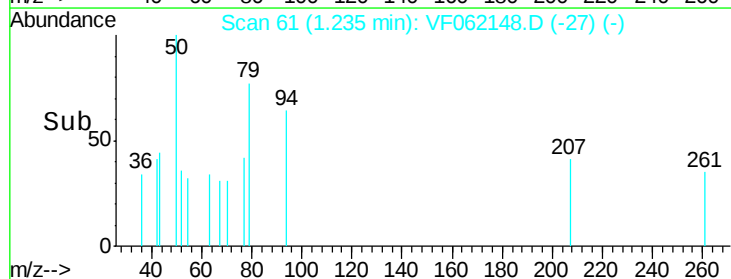
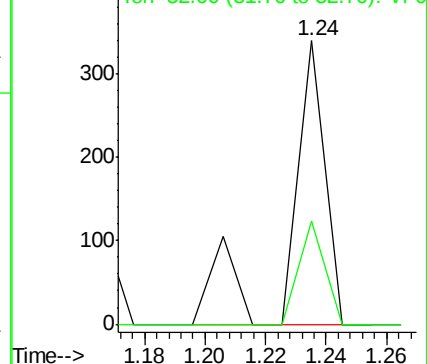
Ion Ratio Lower Upper

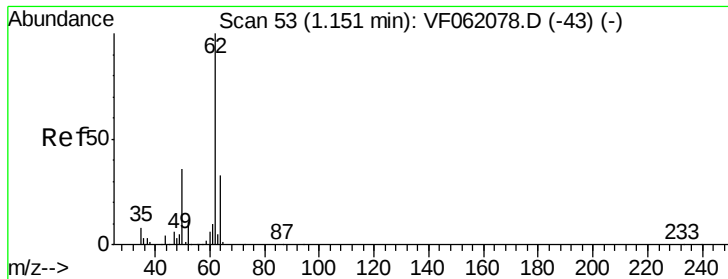
50 100

52 36.5 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VF0





#4

Vinyl Chloride

Concen: 1.388 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

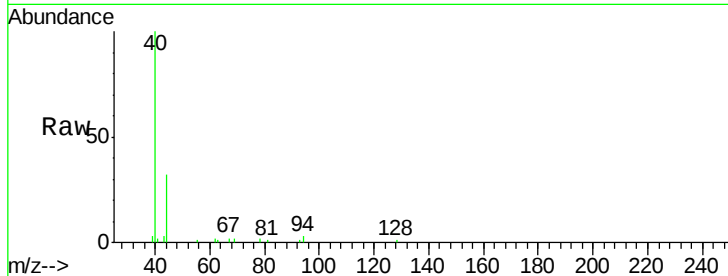
ClientSampled :

Tot Ion: 62 Resp: 92

Ion Ratio Lower Upper

62 100

64 0.0 26.2 39.2#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.15

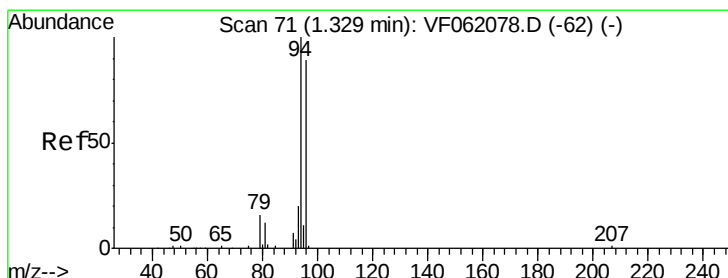
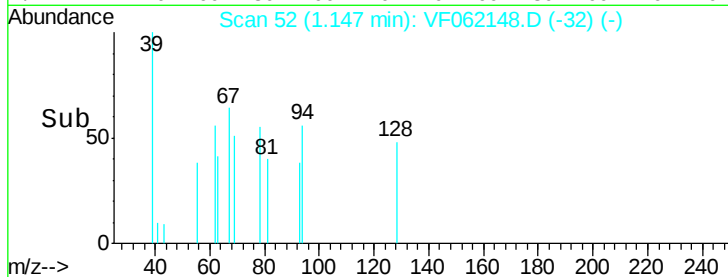
150

100

50

0

Time-->



#5

Bromomethane

Concen: 7.071 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF062148.D

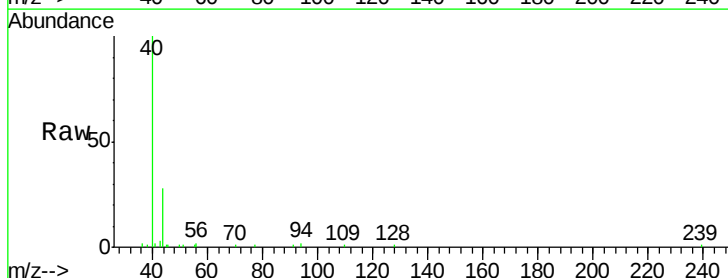
Acq: 26 Mar 2019 16:18

Tgt Ion: 94 Resp: 337

Ion Ratio Lower Upper

94 100

96 0.0 70.9 106.3#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

250

200

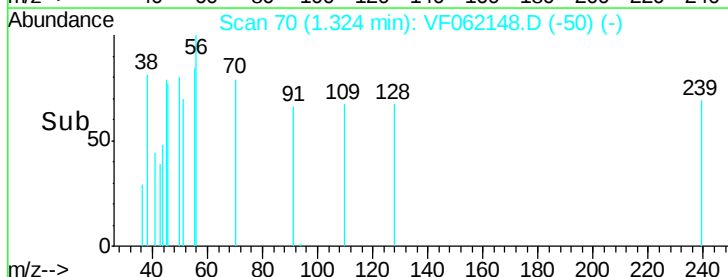
150

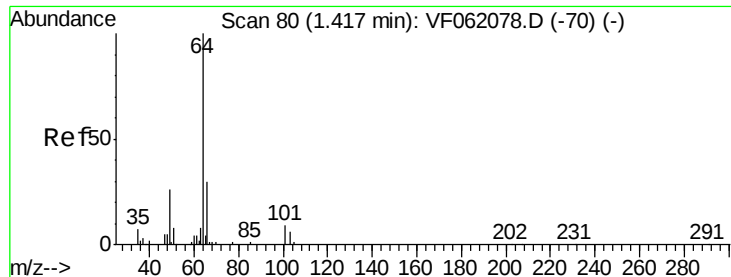
100

50

0

Time-->





#6

Chloroethane

Concen: 1.888 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.01 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

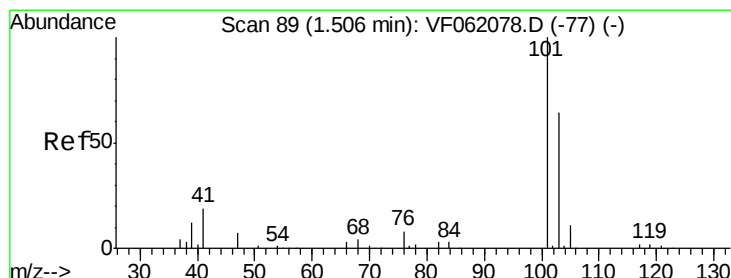
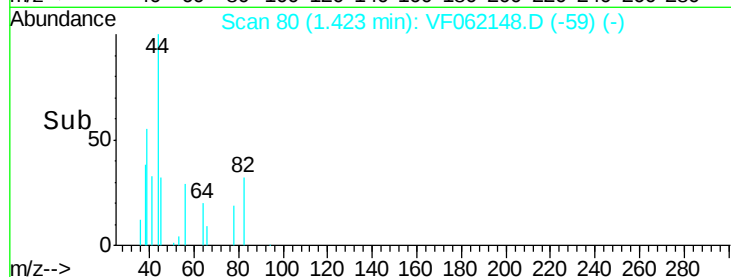
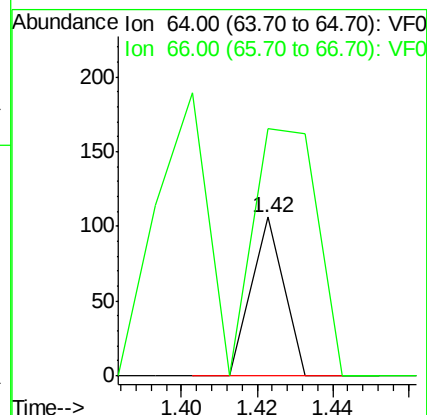
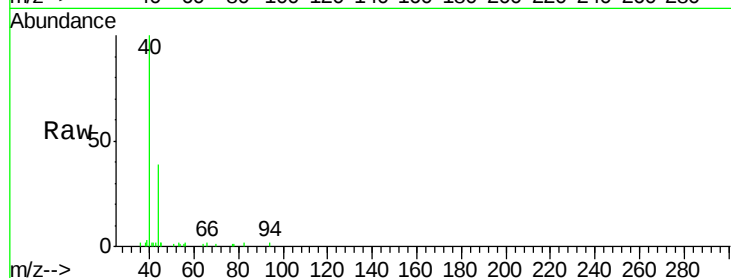
ClientSampleId :

Tot Ion: 64 Resp: 63

Ion Ratio Lower Upper

64 100

66 155.7 24.5 36.7#



#7

Trichlorofluoromethane

Concen: 1.424 ug/l

RT: 1.51 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062148.D

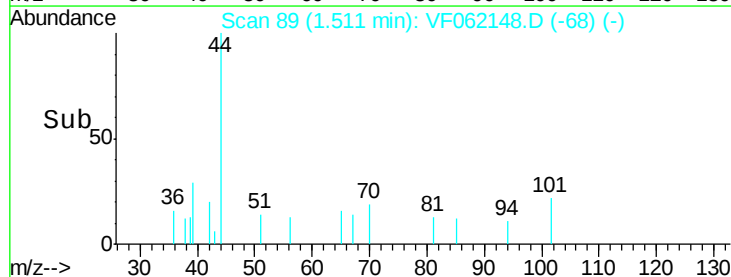
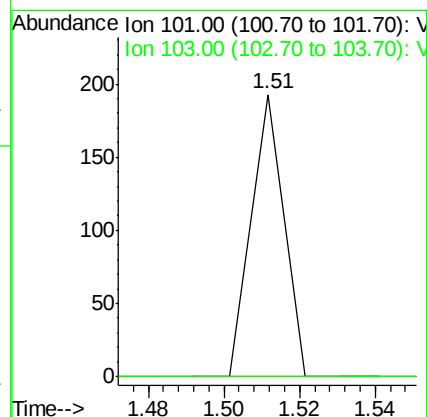
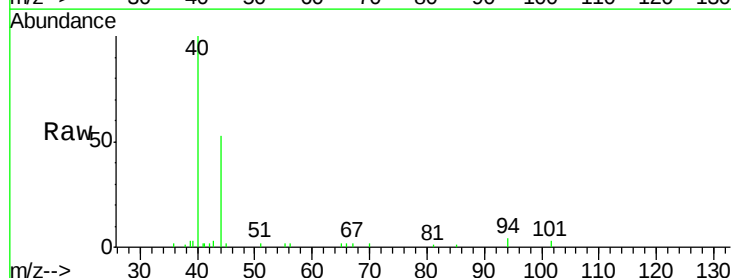
Acq: 26 Mar 2019 16:18

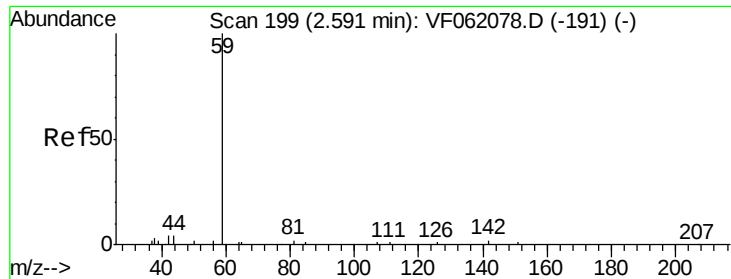
Tgt Ion: 101 Resp: 114

Ion Ratio Lower Upper

101 100

103 0.0 51.5 77.3#

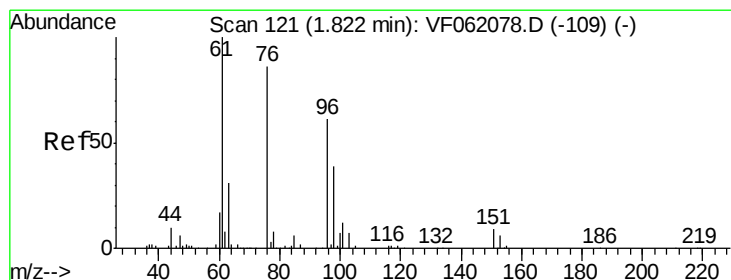
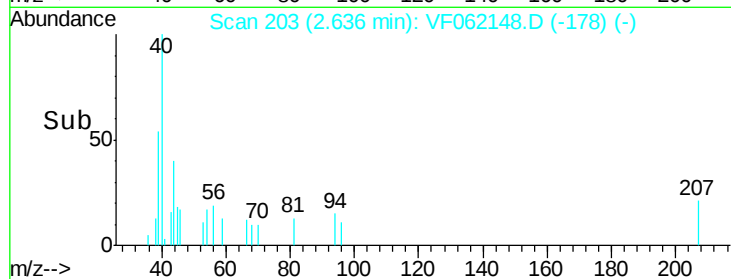
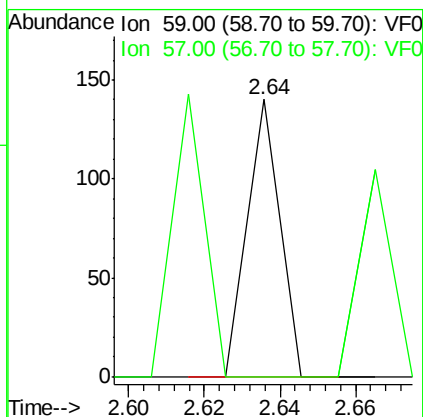
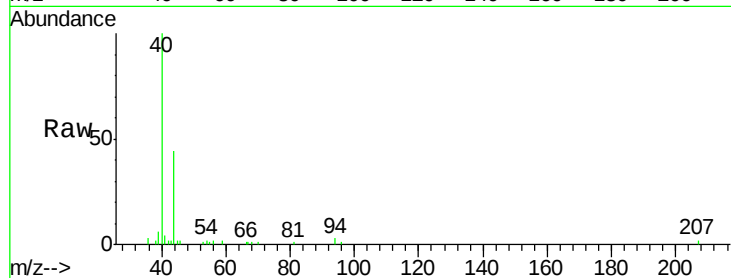




#11
Tert butyl alcohol
Concen: 37.929 ug/l
RT: 2.64 min Scan# 203
Delta R.T. 0.04 min
Lab File: VF062148.D
Acq: 26 Mar 2019 16:18

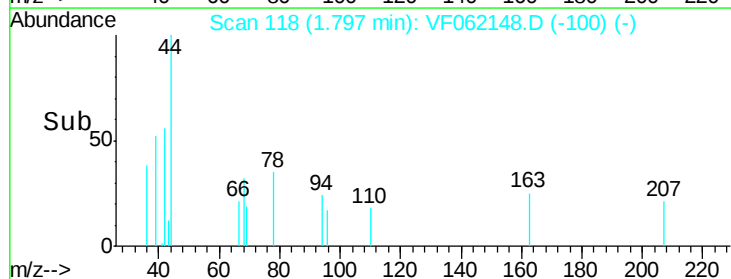
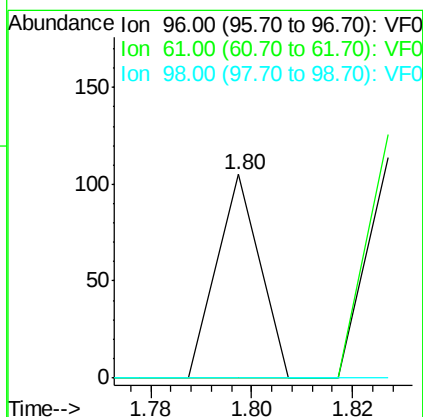
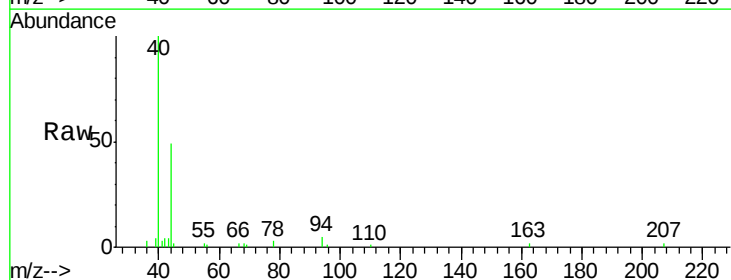
Instrument :
MSVOA_F
ClientSampleId :

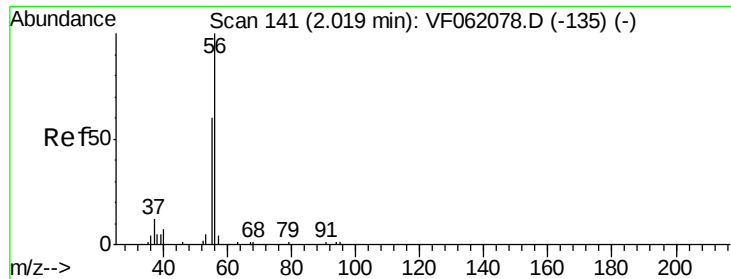
Tot Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 0.0 11.0 16.4#



#12
1,1-Dichloroethene
Concen: 1.203 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.02 min
Lab File: VF062148.D
Acq: 26 Mar 2019 16:18

Tgt Ion: 96 Resp: 62
Ion Ratio Lower Upper
96 100
61 0.0 131.0 196.6#
98 0.0 51.5 77.3#





#13

Acrolein

Concen: 125.027 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

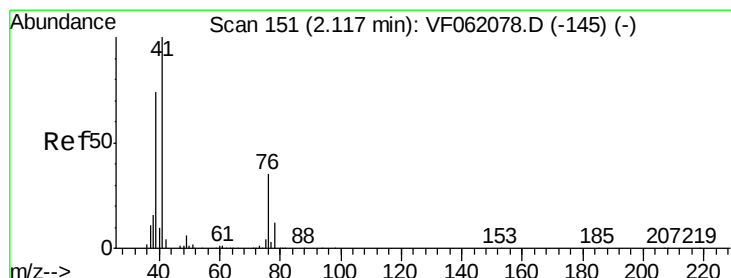
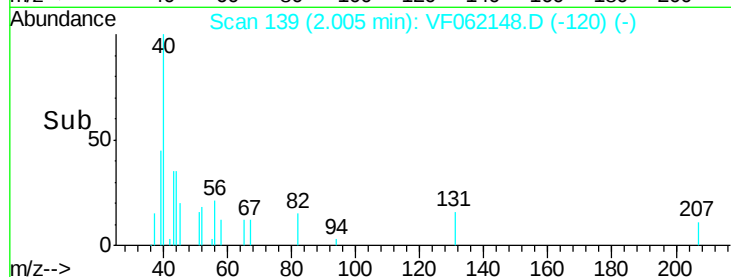
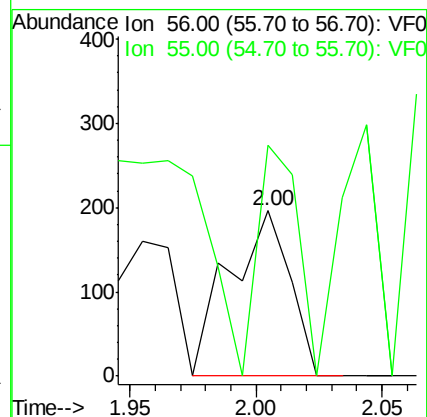
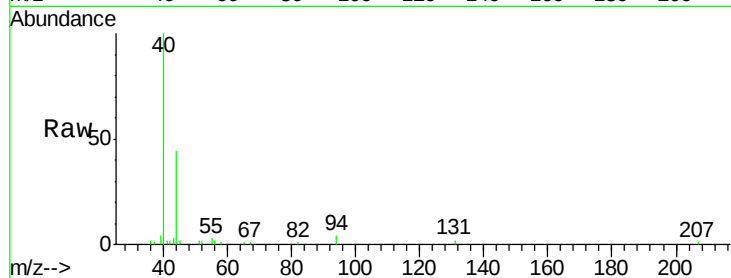
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 329

Ion Ratio Lower Upper

56 100

55 139.8 49.0 73.4#



#14

Allyl chloride

Concen: 10.576 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

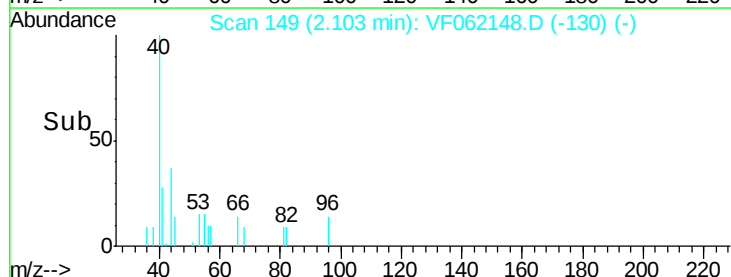
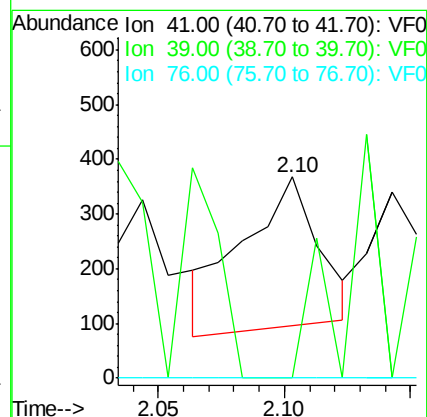
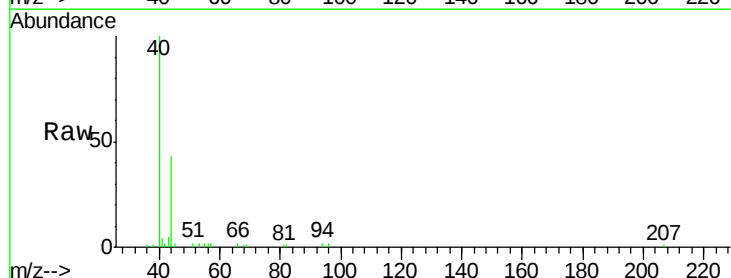
Tgt Ion: 41 Resp: 582

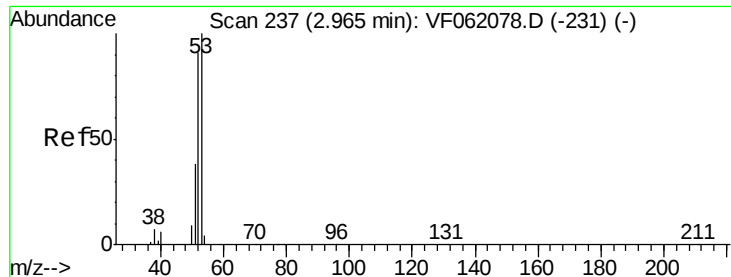
Ion Ratio Lower Upper

41 100

39 0.0 59.8 89.8#

76 0.0 30.0 45.0#





#15

Acrylonitrile

Concen: 7.667 ug/l

RT: 2.92 min Scan# 232

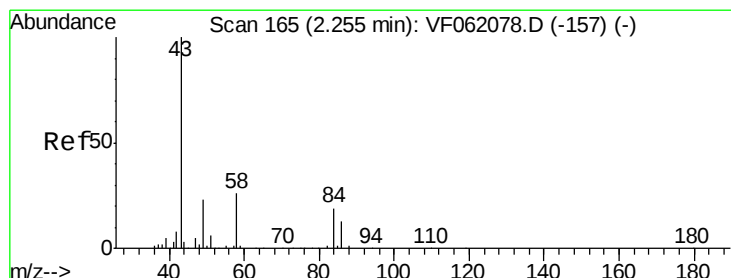
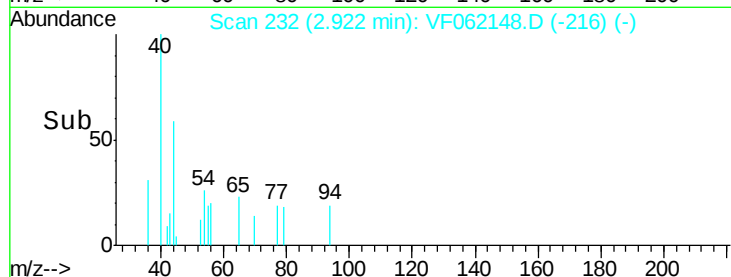
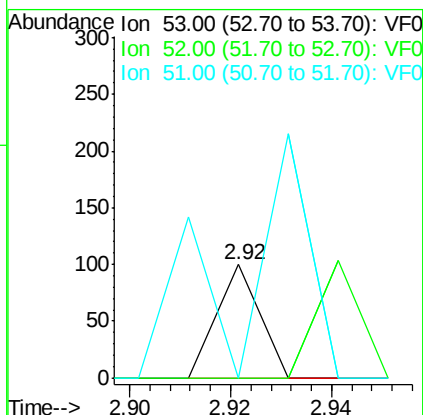
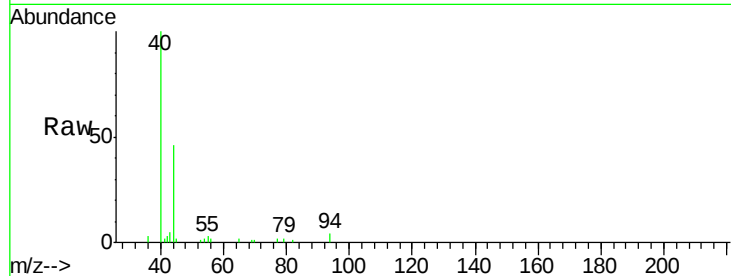
Delta R.T. -0.04 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	59
Ion	Ratio	Lower	Upper
53	100		
52	0.0	72.3	108.5#
51	0.0	30.4	45.6#



#16

Acetone

Concen: 51.729 ug/l

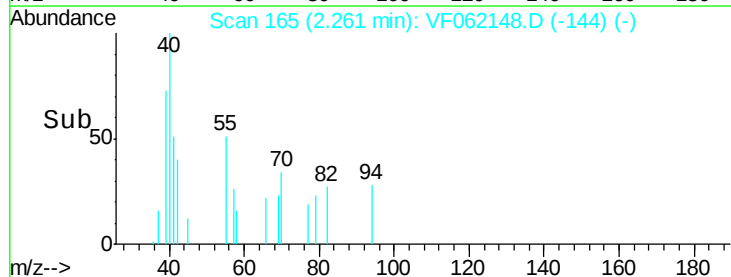
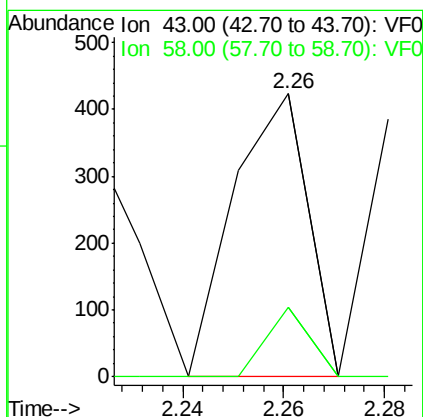
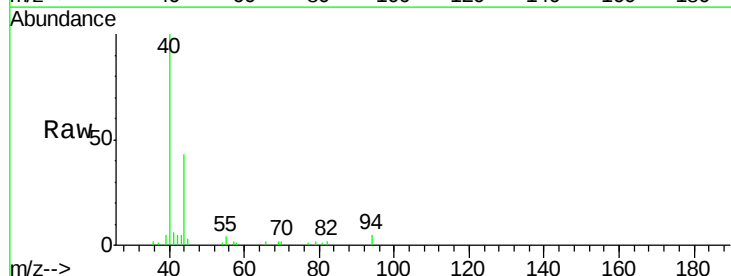
RT: 2.26 min Scan# 165

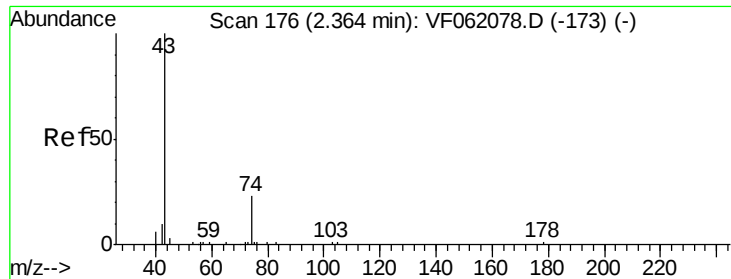
Delta R.T. 0.01 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Tgt Ion:	43	Resp:	433
Ion	Ratio	Lower	Upper
43	100		
58	24.6	20.8	31.2

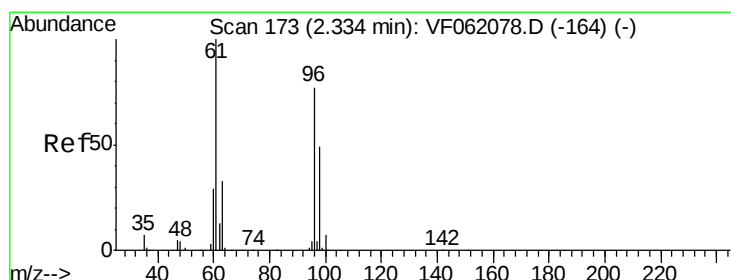
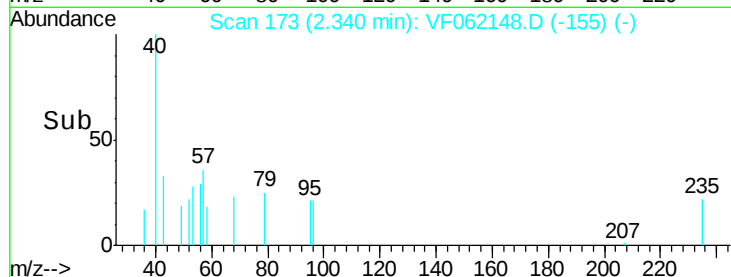
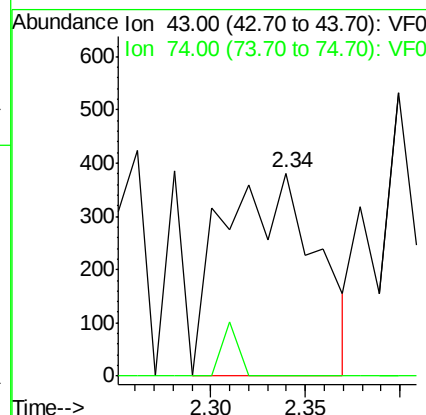
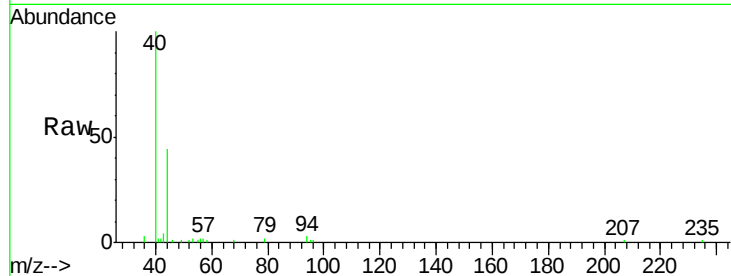




#18
Methyl Acetate
Concen: 65.358 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF062148.D
Acq: 26 Mar 2019 16:18

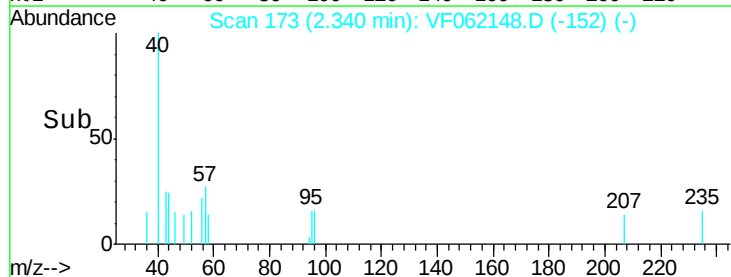
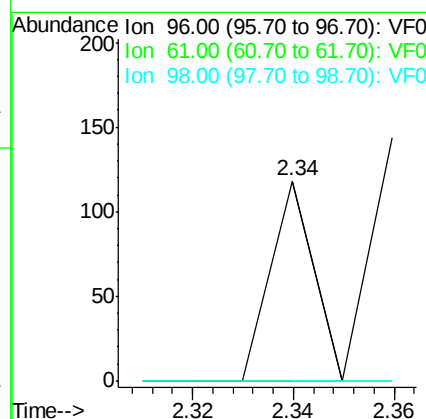
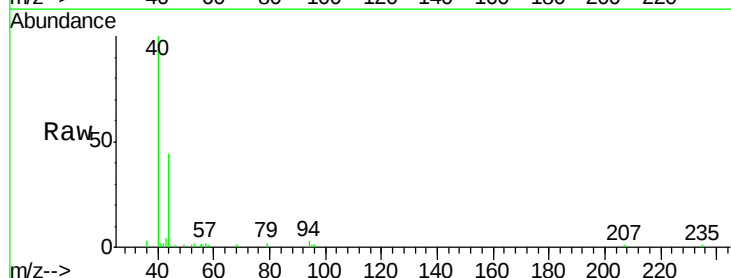
Instrument :
MSVOA_F
ClientSampled :

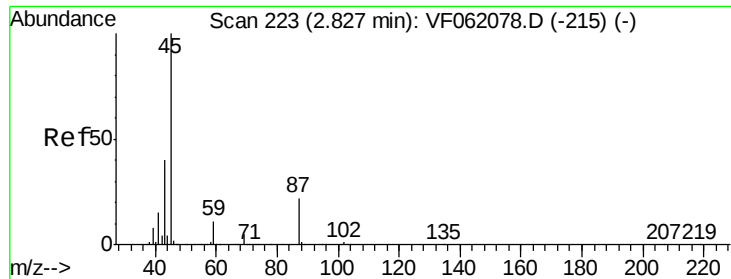
Tot Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#21
trans-1,2-Dichloroethene
Concen: 1.412 ug/l
RT: 2.34 min Scan# 173
Delta R.T. 0.01 min
Lab File: VF062148.D
Acq: 26 Mar 2019 16:18

Tgt Ion: 96 Resp: 70
Ion Ratio Lower Upper
96 100
61 0.0 104.5 156.7#
98 0.0 51.2 76.8#

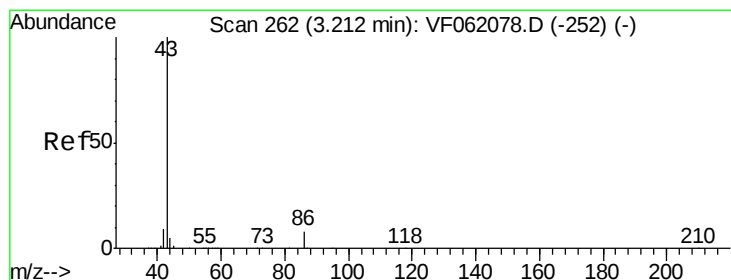
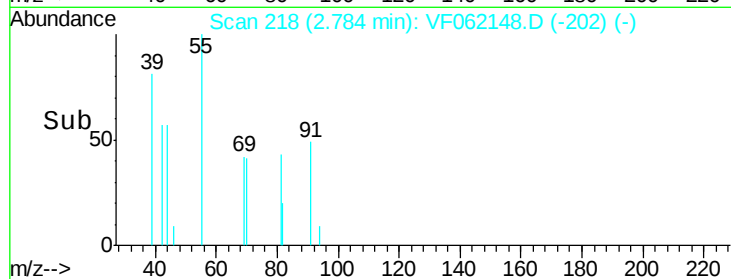
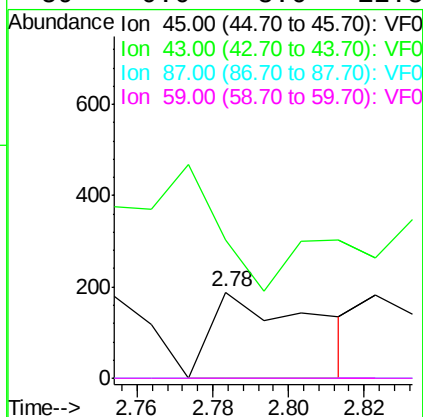
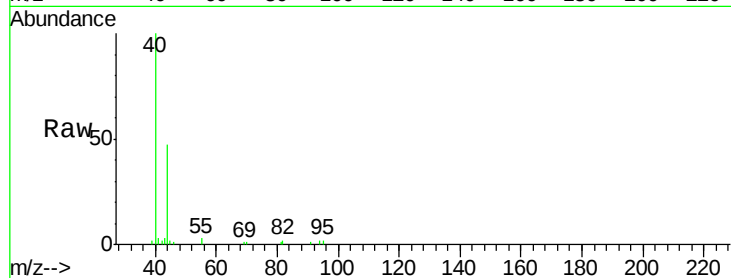




#22
Diisopropyl ether
Concen: 2.433 ug/l
RT: 2.78 min Scan# 218
Delta R.T. -0.04 min
Lab File: VF062148.D
Acq: 26 Mar 2019 16:18

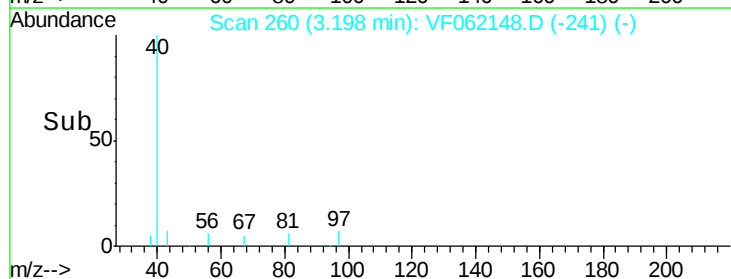
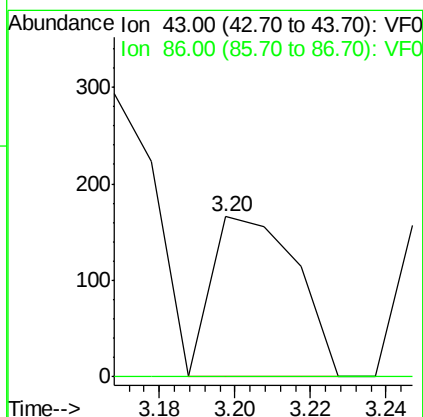
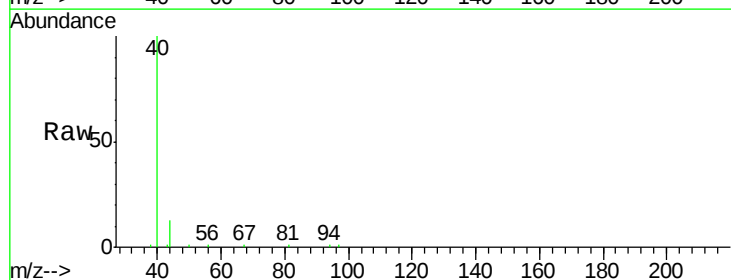
Instrument :
MSVOA_F
ClientSampleId :

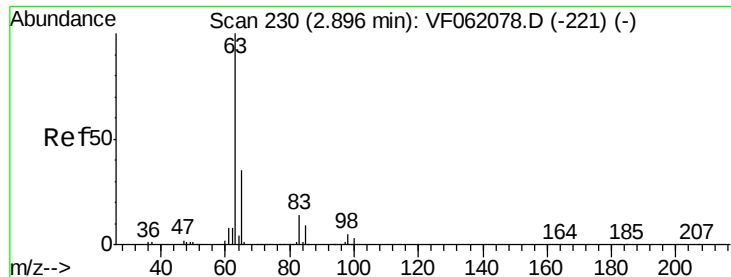
Tot Ion: 45 Resp: 351
Ion Ratio Lower Upper
45 100
43 160.8 32.5 48.7#
87 0.0 17.4 26.2#
59 0.0 8.6 12.8#



#23
Vinyl Acetate
Concen: 4.385 ug/l
RT: 3.20 min Scan# 260
Delta R.T. -0.01 min
Lab File: VF062148.D
Acq: 26 Mar 2019 16:18

Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
86 0.0 6.8 10.2#





#24

1,1-Dichloroethane

Concen: 1.098 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.03 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :
MSVOA_F
ClientSampled :

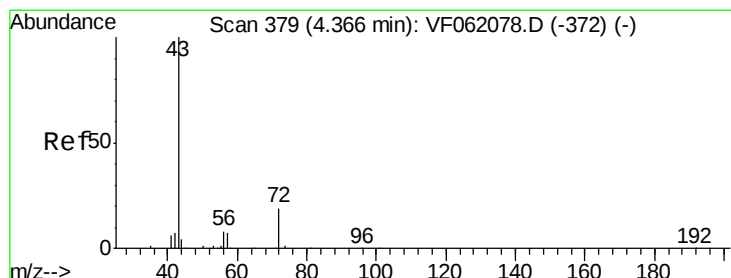
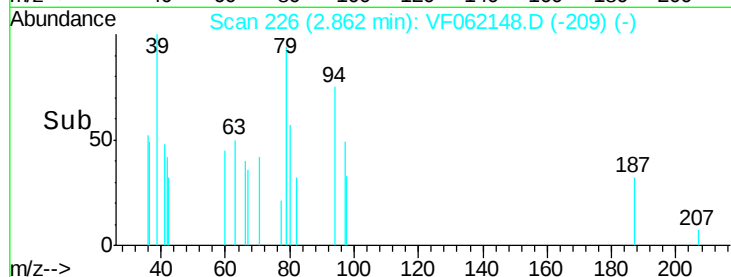
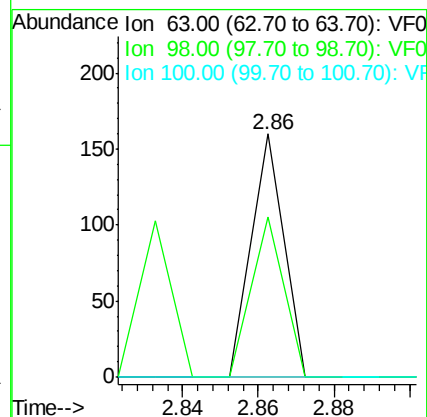
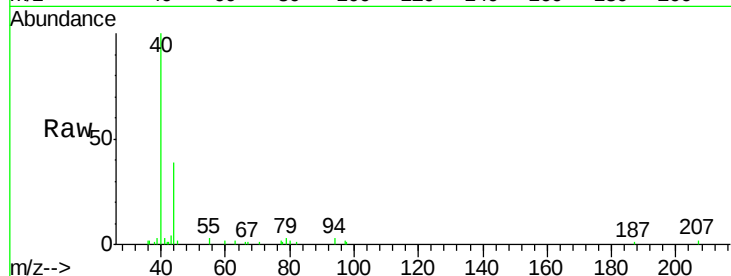
Tot Ion: 63 Resp: 95

Ion Ratio Lower Upper

63 100

98 65.6 2.7 8.1#

100 0.0 1.7 5.1#



#25

2-Butanone

Concen: 9.843 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.04 min

Lab File: VF062148.D

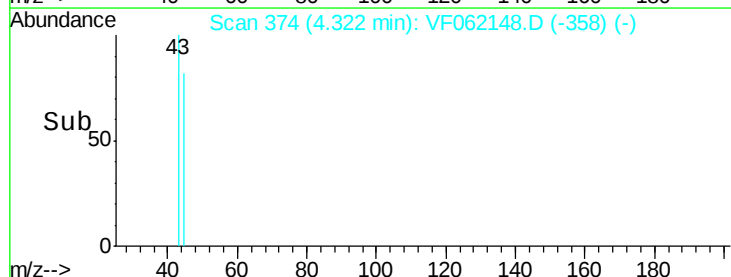
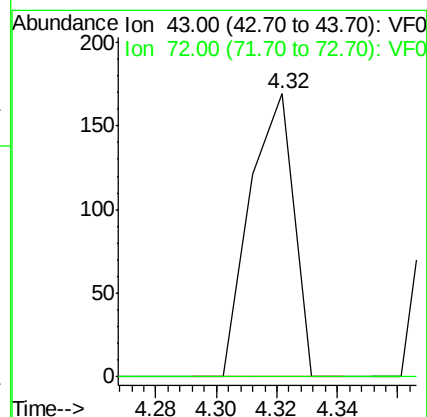
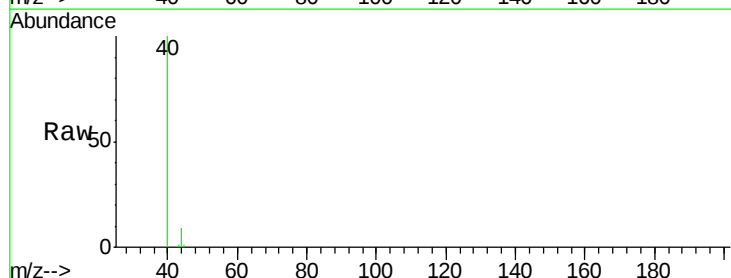
Acq: 26 Mar 2019 16:18

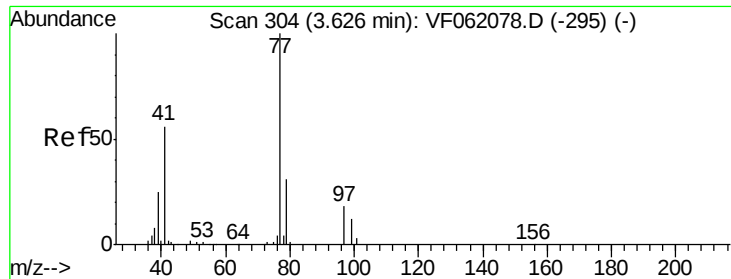
Tgt Ion: 43 Resp: 172

Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#





#26

2,2-Dichloropropane

Concen: 1.881 ug/l

RT: 3.47 min Scan# 288

Delta R.T. -0.15 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

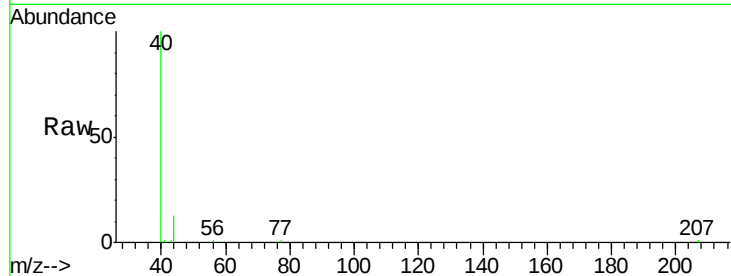
ClientSampleId :

Tot Ion: 77 Resp: 66

Ion Ratio Lower Upper

77 100

97 0.0 10.3 30.9#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.47

120

100

80

60

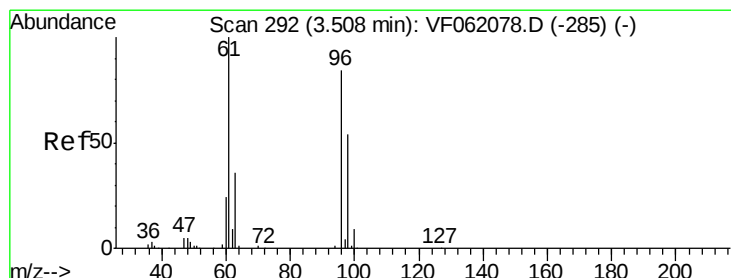
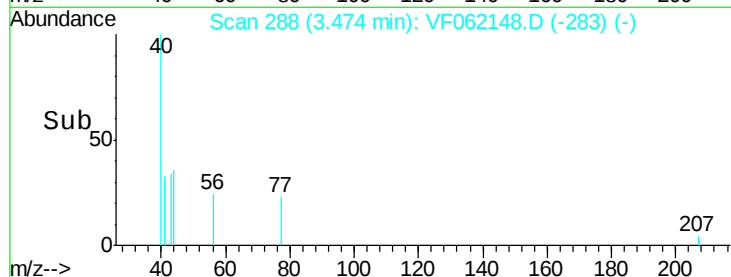
40

20

0

3.44 3.46 3.48 3.50

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.111 ug/l

RT: 3.45 min Scan# 286

Delta R.T. -0.05 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

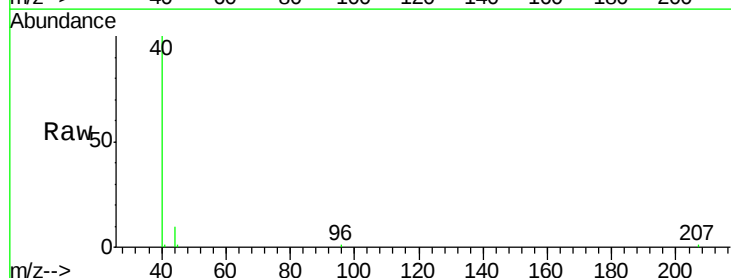
Tgt Ion: 96 Resp: 73

Ion Ratio Lower Upper

96 100

61 0.0 0.0 239.0

98 0.0 0.0 128.2



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

150

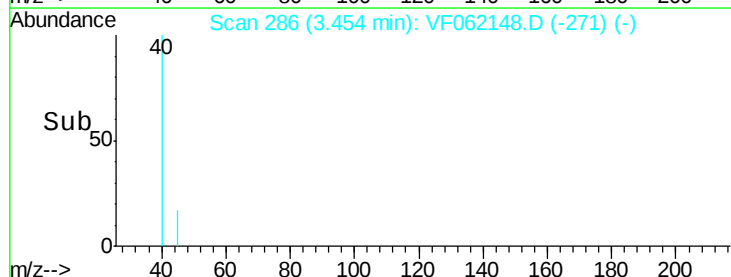
100

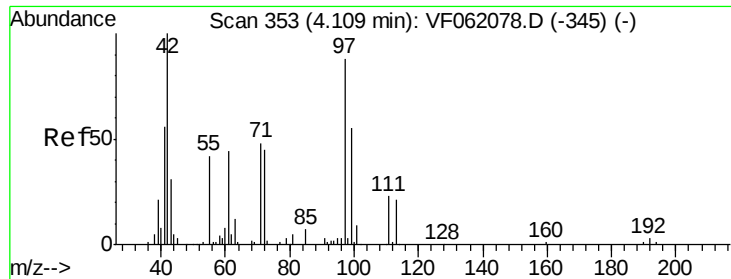
50

0

3.42 3.44 3.46 3.48

Time-->

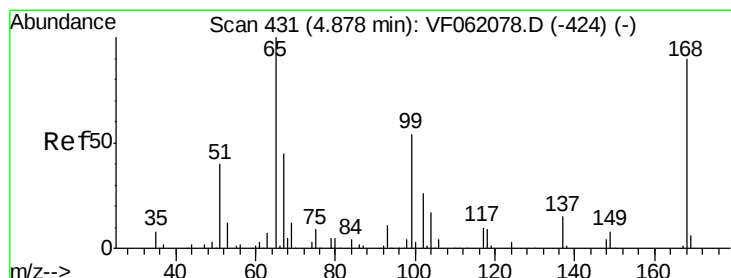
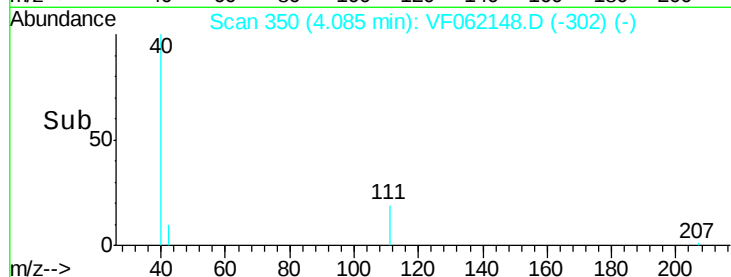
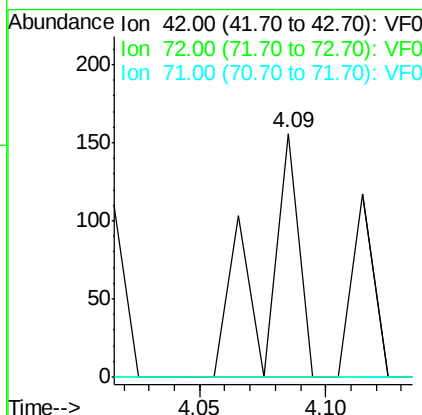
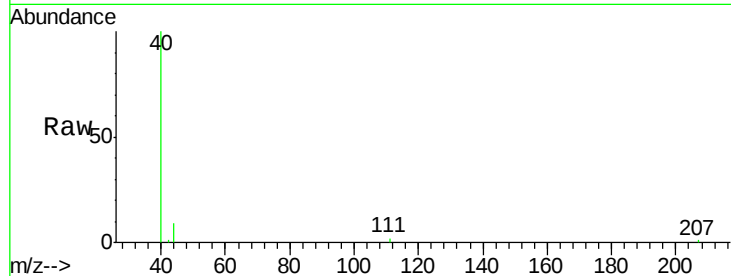




#29
Tetrahydrofuran
Concen: 20.138 ug/l
RT: 4.09 min Scan# 350
Delta R.T. -0.02 min
Lab File: VF062148.D
Acq: 26 Mar 2019 16:18

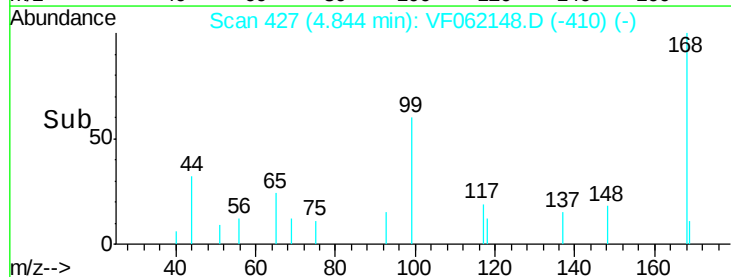
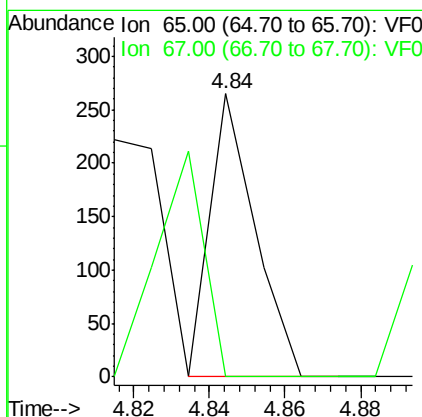
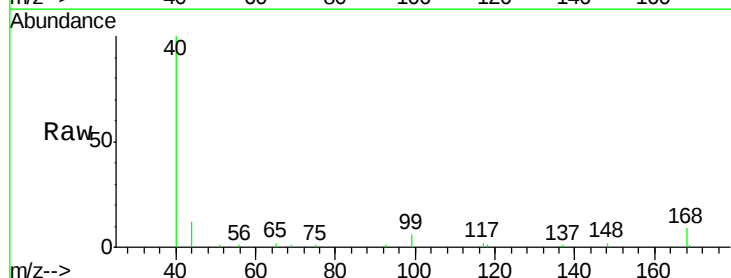
Instrument :
MSVOA_F
ClientSampled :

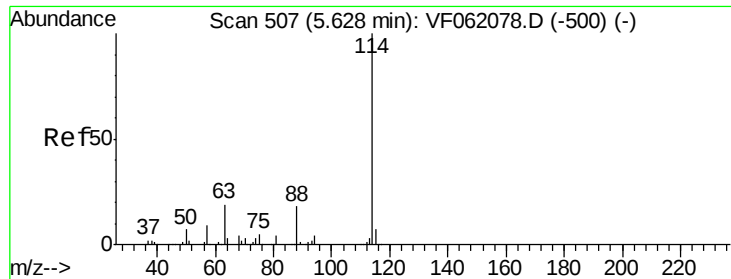
Tot Ion: 42 Resp: 153
Ion Ratio Lower Upper
42 100
72 0.0 33.3 49.9#
71 0.0 35.0 52.4#



#33
1,2-Dichloroethane-d4
Concen: 5.456 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.03 min
Lab File: VF062148.D
Acq: 26 Mar 2019 16:18

Tgt Ion: 65 Resp: 217
Ion Ratio Lower Upper
65 100
67 0.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.04 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

ClientSampleId :

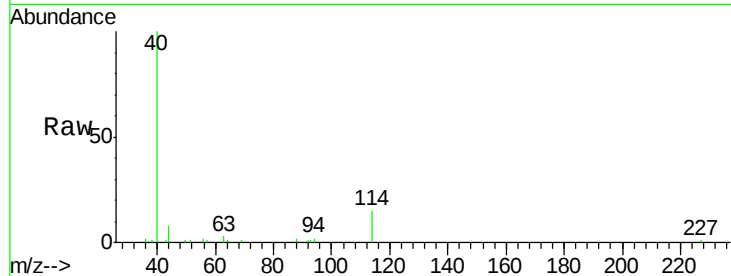
Tot Ion:114 Resp: 5031

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

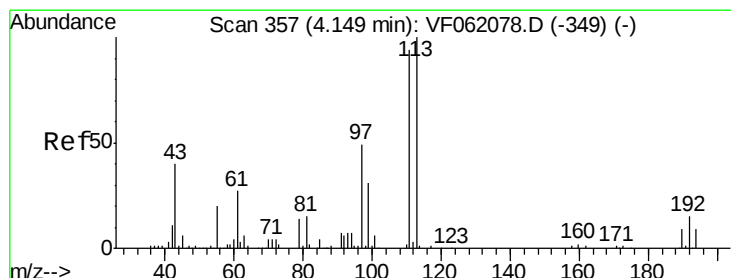
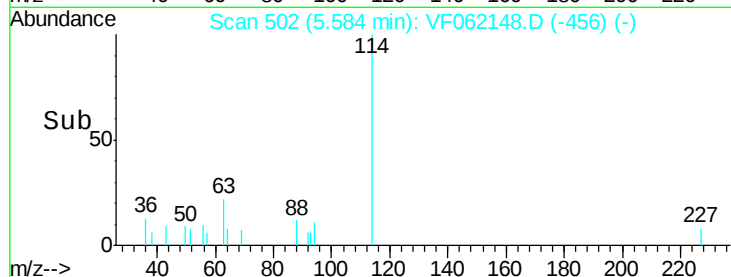
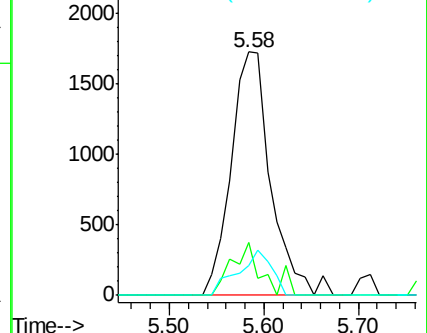
88 12.4 0.0 36.4



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: 24.800 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.05 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

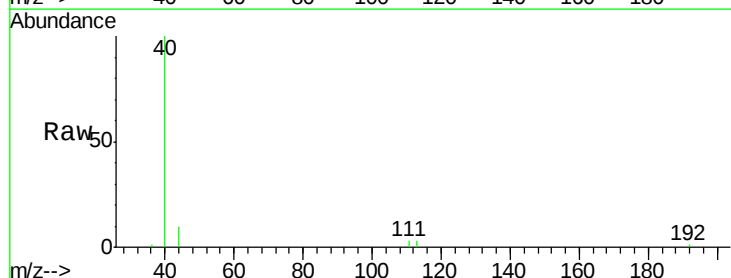
Tgt Ion:113 Resp: 844

Ion Ratio Lower Upper

113 100

111 91.6 75.4 113.0

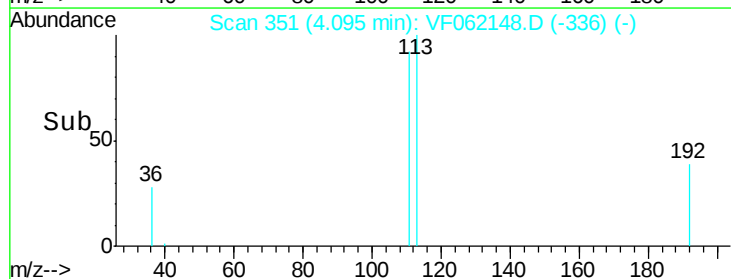
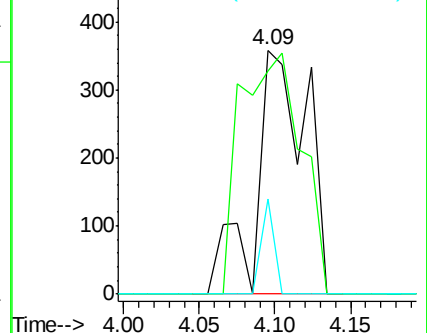
192 38.8 12.3 18.5#

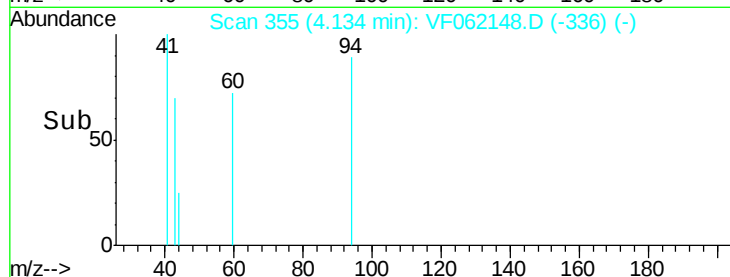
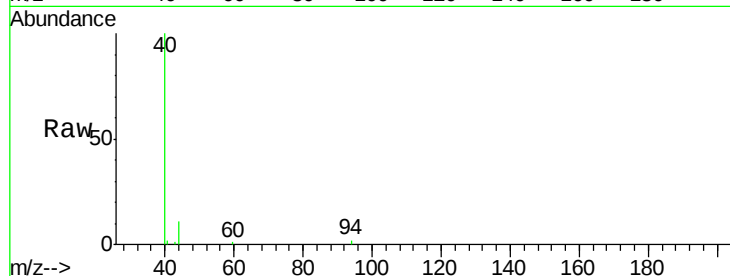
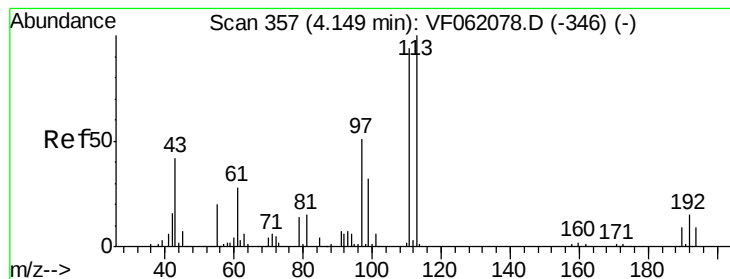


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: 3.820 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

ClientSampleId :

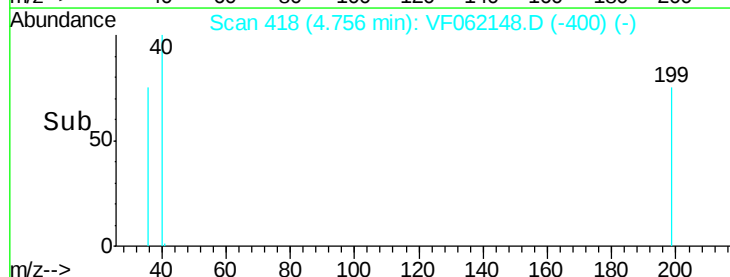
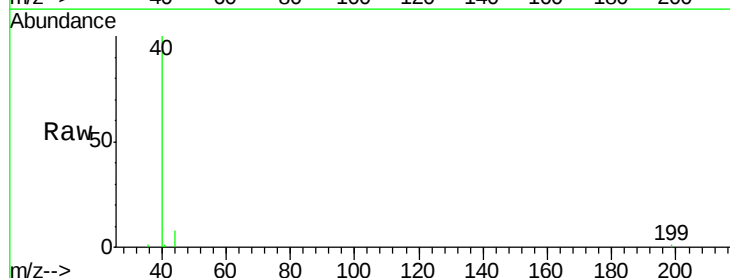
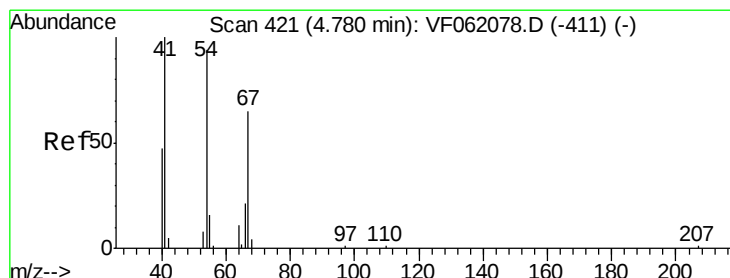
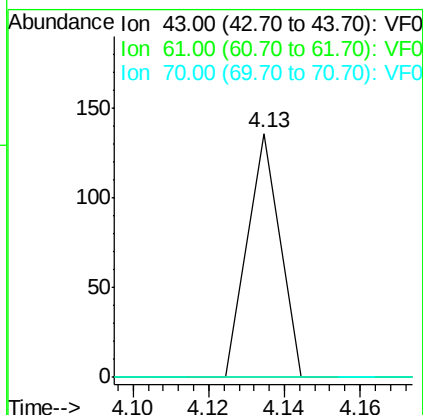
Tot Ion: 43 Resp: 80

Ion Ratio Lower Upper

43 100

61 0.0 53.6 80.4#

70 0.0 9.0 13.6#



#41

Methacrylonitrile

Concen: 6.317 ug/l

RT: 4.76 min Scan# 418

Delta R.T. -0.02 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Tgt Ion: 41 Resp: 70

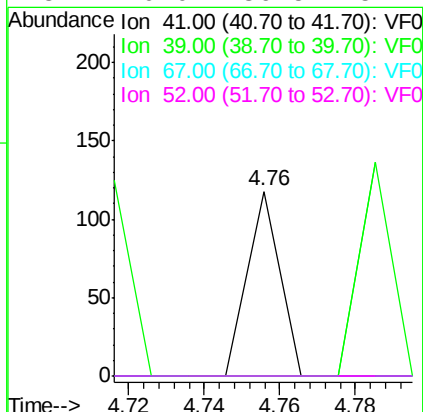
Ion Ratio Lower Upper

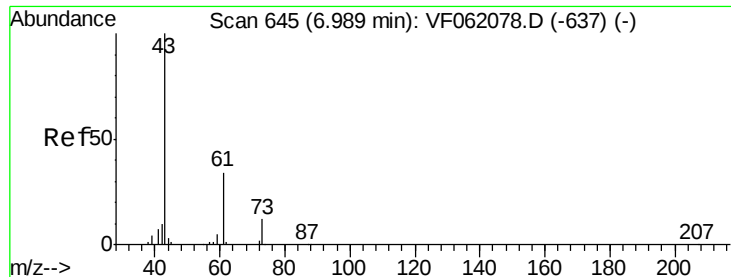
41 100

39 0.0 43.5 65.3#

67 0.0 51.6 77.4#

52 0.0 36.5 54.7#





#43

Isopropyl Acetate

Concen: 2.839 ug/l

RT: 6.91 min Scan# 636

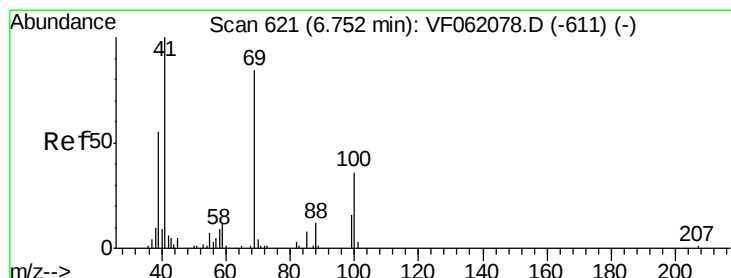
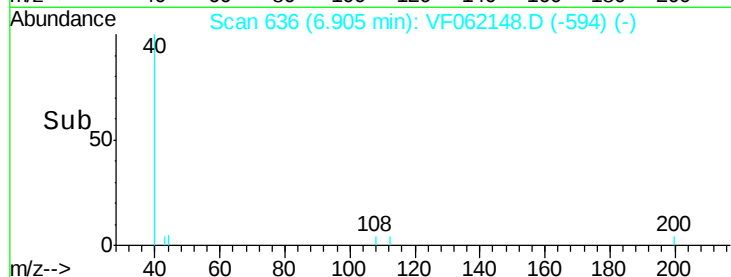
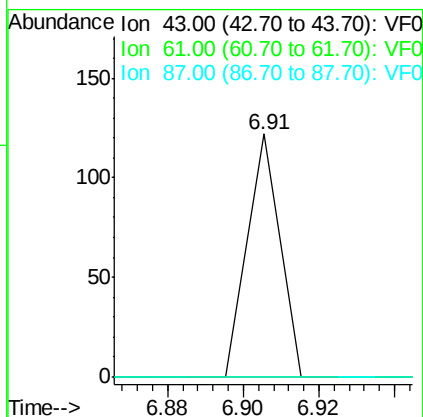
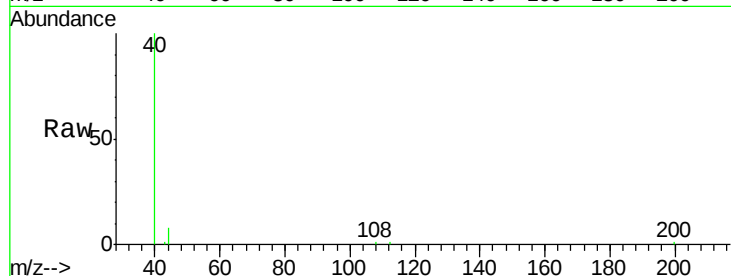
Delta R.T. -0.08 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	43	Resp:	72
Ion	Ratio	Lower	Upper
43	100		
61	0.0	27.0	40.4#
87	0.0	0.4	0.6#



#48

Methyl methacrylate

Concen: 4.640 ug/l

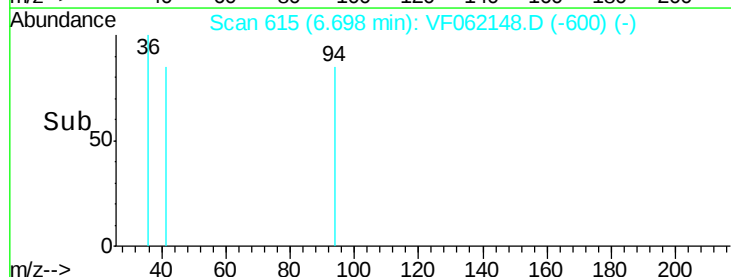
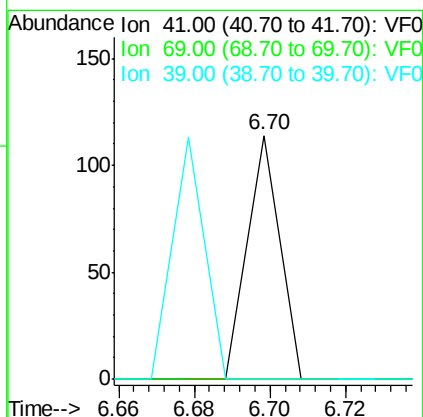
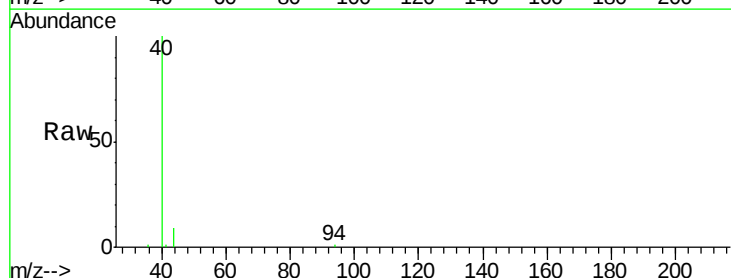
RT: 6.70 min Scan# 615

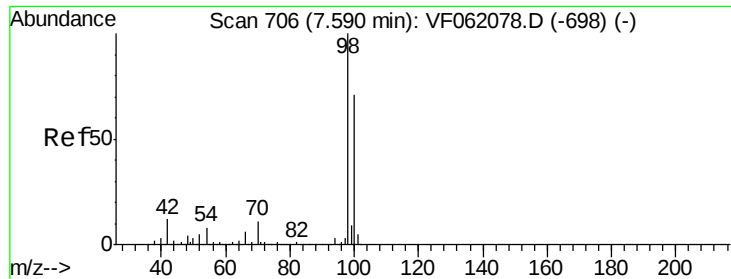
Delta R.T. -0.05 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Tgt Ion:	41	Resp:	67
Ion	Ratio	Lower	Upper
41	100		
69	0.0	66.6	100.0#
39	0.0	43.6	65.4#





#50

Toluene-d8

Concen: 35.191 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.05 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

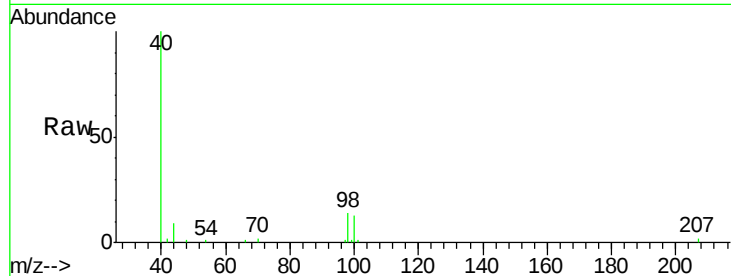
ClientSampleId :

Tot Ion: 98 Resp: 3575

Ion Ratio Lower Upper

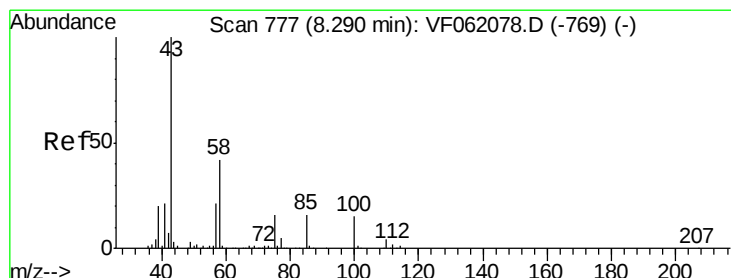
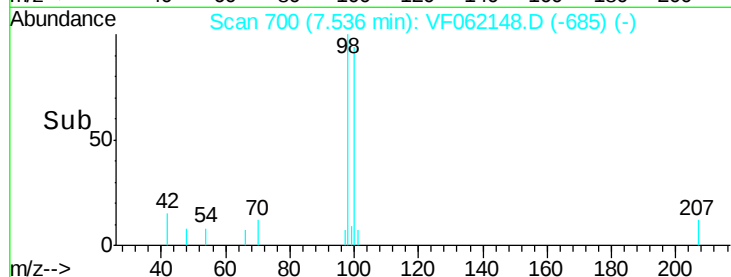
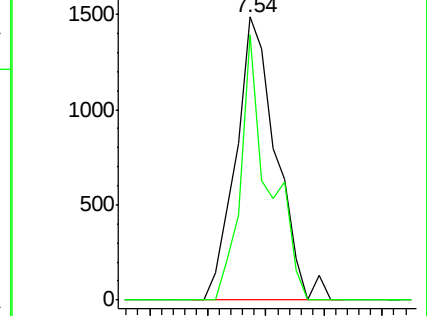
98 100

100 93.7 57.0 85.6#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 4.300 ug/l

RT: 8.11 min Scan# 758

Delta R.T. -0.18 min

Lab File: VF062148.D

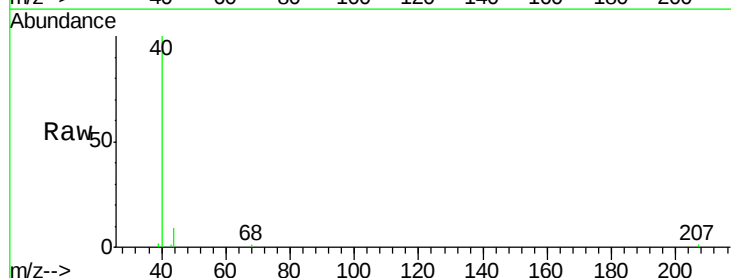
Acq: 26 Mar 2019 16:18

Tgt Ion: 43 Resp: 73

Ion Ratio Lower Upper

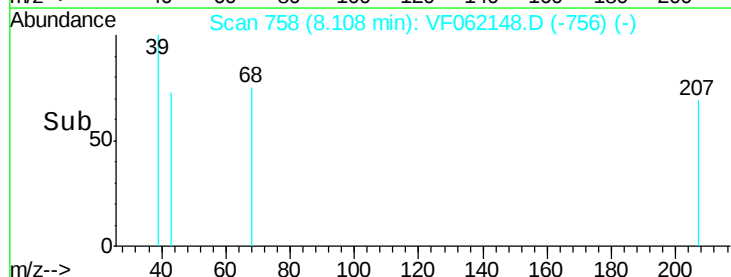
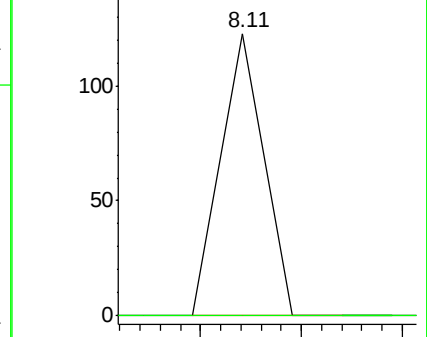
43 100

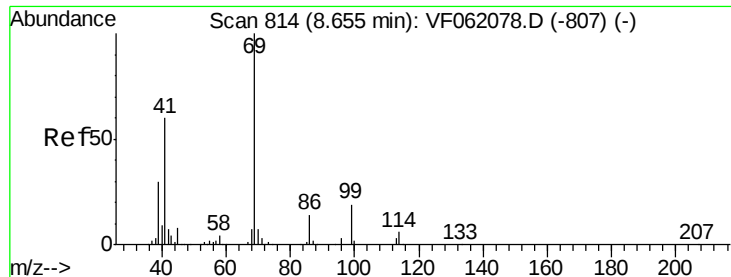
58 0.0 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#56

Ethyl methacrylate

Concen: 2.737 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.17 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

ClientSampled :

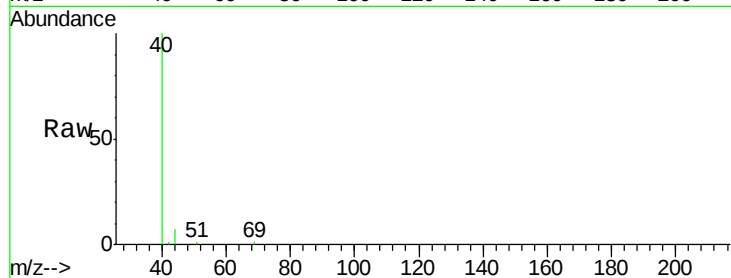
Tot Ion: 69 Resp: 69

Ion Ratio Lower Upper

69 100

41 0.0 48.2 72.2#

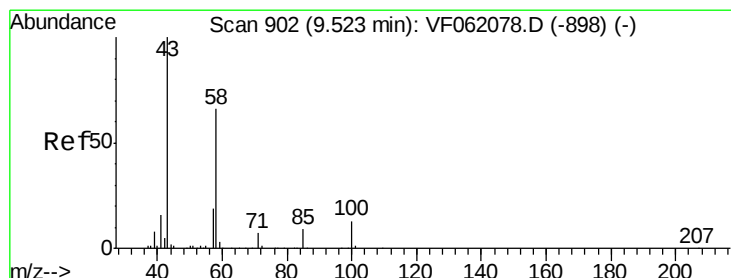
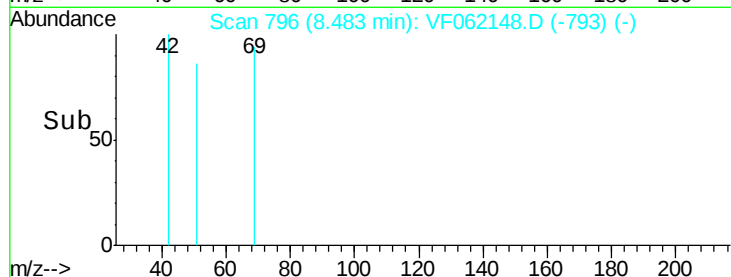
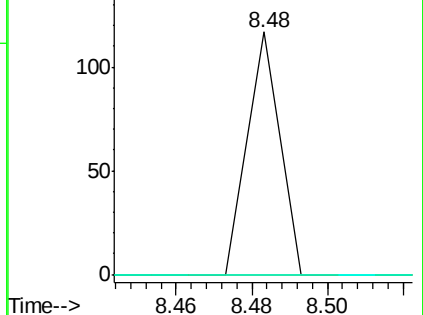
39 0.0 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#59

2-Hexanone

Concen: 14.548 ug/l

RT: 9.46 min Scan# 895

Delta R.T. -0.06 min

Lab File: VF062148.D

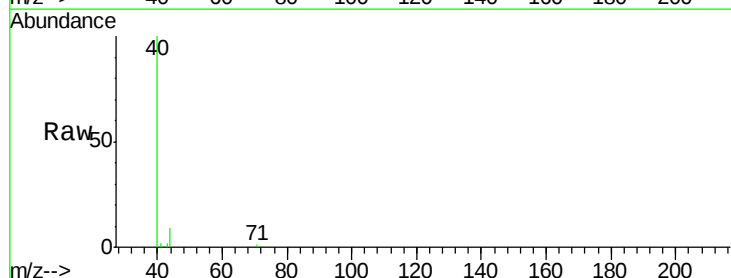
Acq: 26 Mar 2019 16:18

Tgt Ion: 43 Resp: 181

Ion Ratio Lower Upper

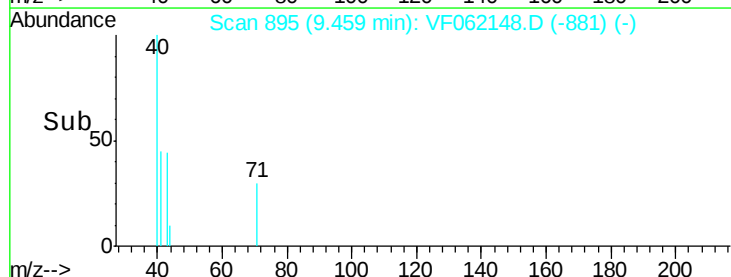
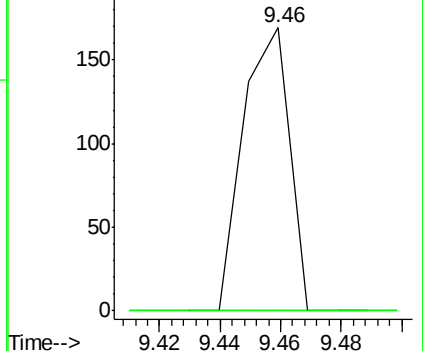
43 100

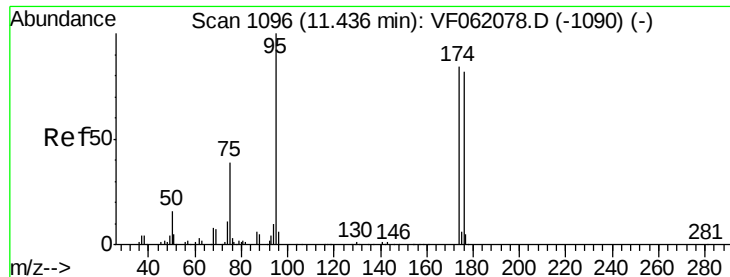
58 0.0 28.8 86.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 13.667 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.03 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

ClientSampleId :

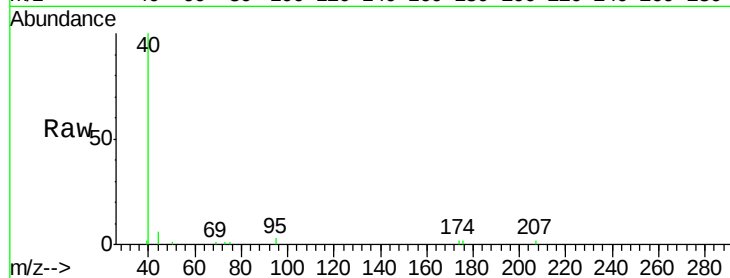
Tot Ion: 95 Resp: 536

Ion Ratio Lower Upper

95 100

174 69.8 0.0 168.2

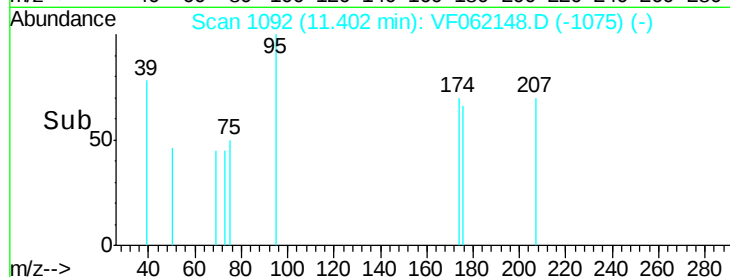
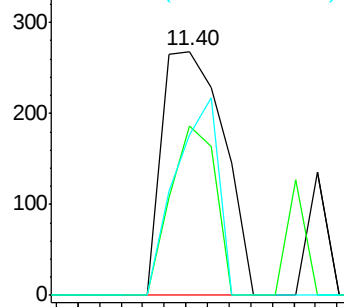
176 66.0 0.0 164.2



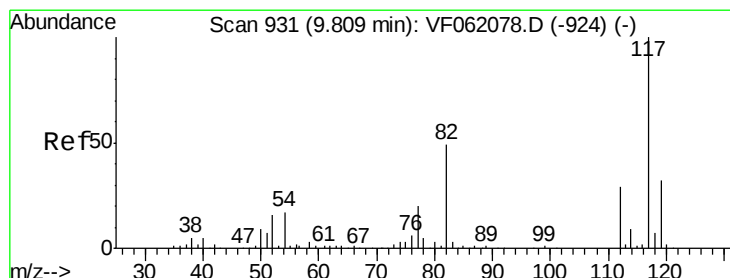
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 925

Delta R.T. -0.05 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

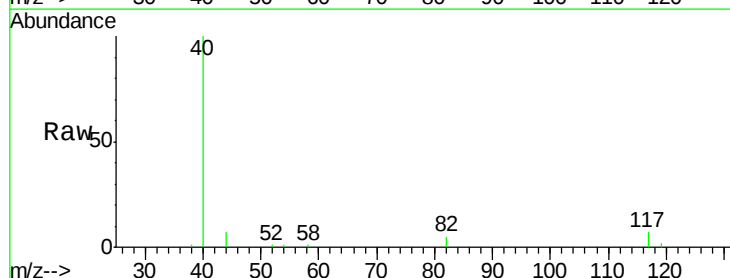
Tgt Ion: 117 Resp: 1865

Ion Ratio Lower Upper

117 100

82 64.1 39.2 58.8#

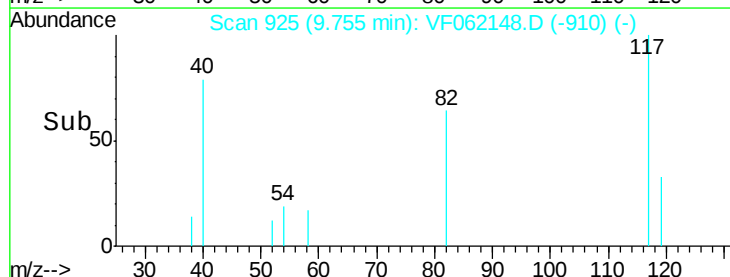
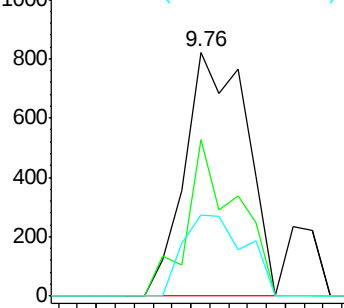
119 33.3 25.4 38.2



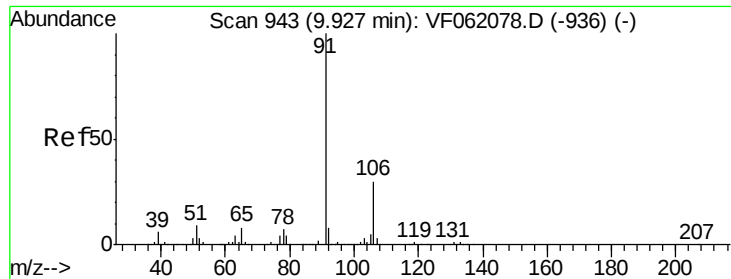
Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



Time-->



#67

Ethyl Benzene

Concen: 1.055 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

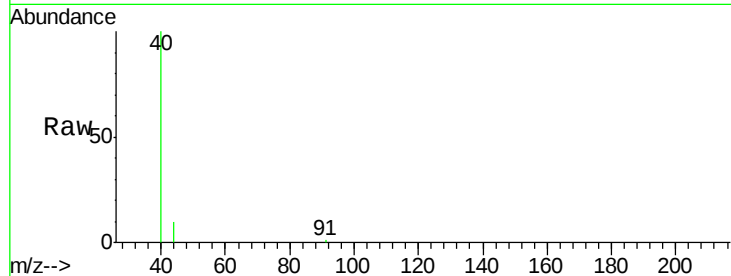
ClientSampleId :

Tot Ion: 91 Resp: 64

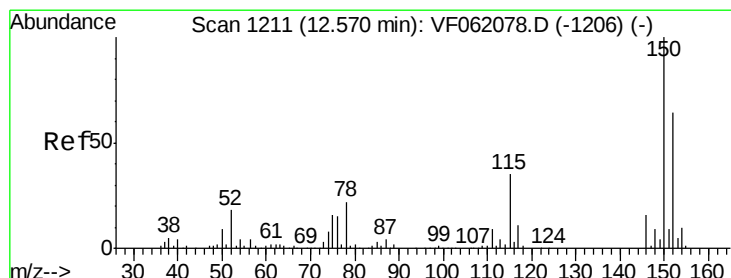
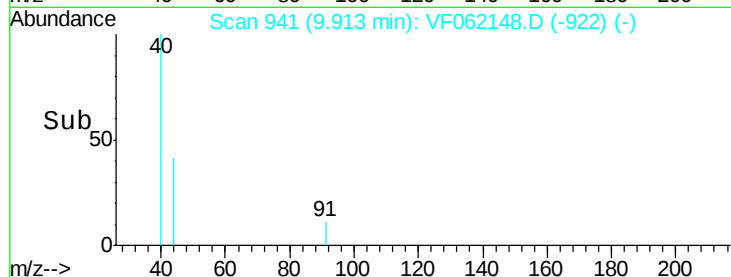
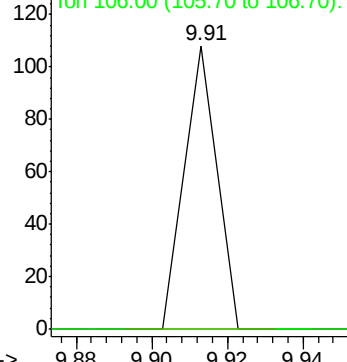
Ion Ratio Lower Upper

91 100

106 0.0 24.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

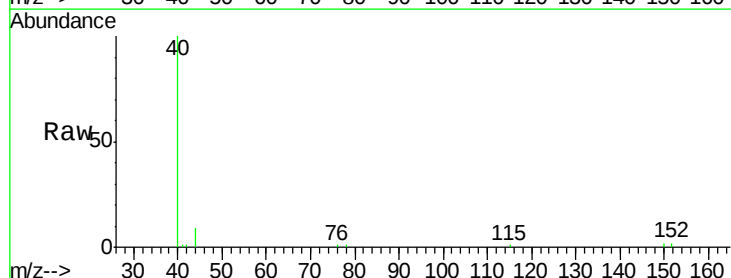
Tgt Ion: 152 Resp: 326

Ion Ratio Lower Upper

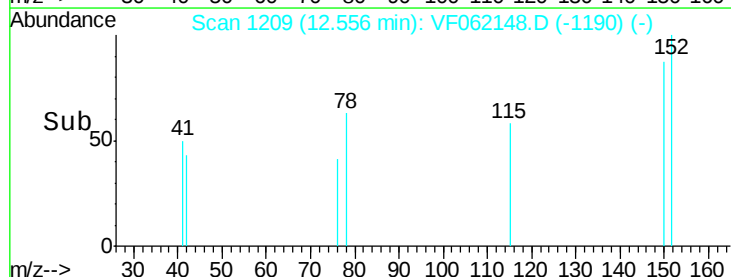
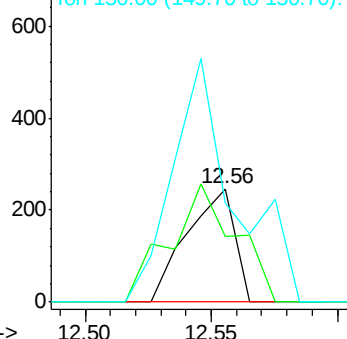
152 100

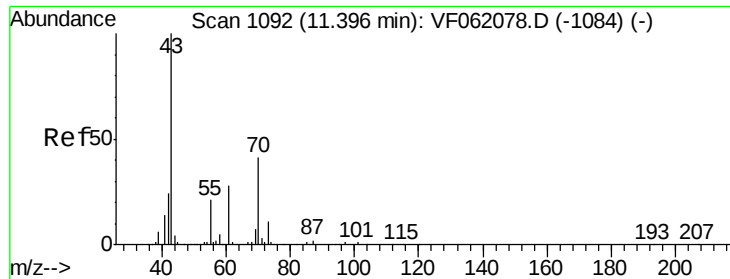
115 57.7 27.7 83.1

150 87.4 0.0 313.2



Abundance Ion 152.00 (151.70 to 152.70): V





#74

N-amvl acetate

Concen: 30.553 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.03 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 167

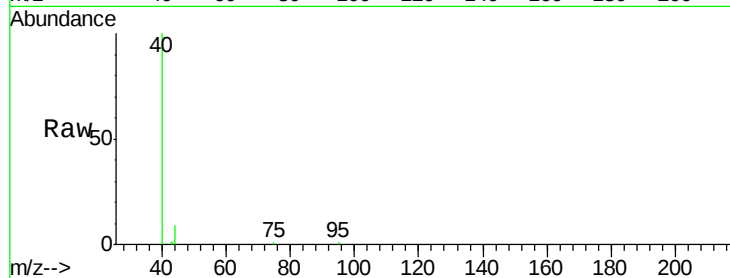
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 17.1 25.7#

61 0.0 22.2 33.2#

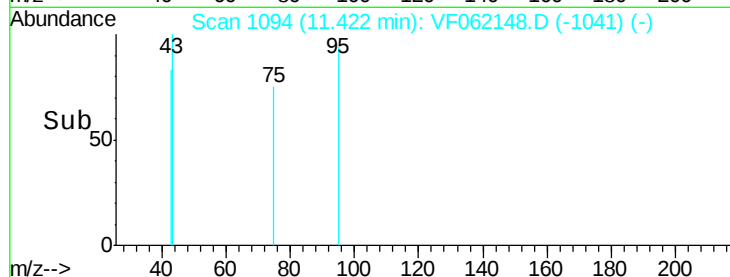
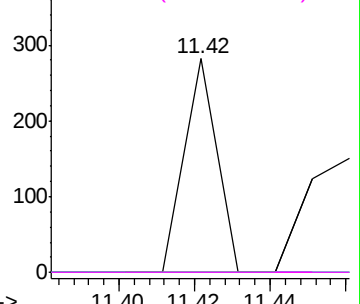


Abundance Ion 43.00 (42.70 to 43.70): VF0

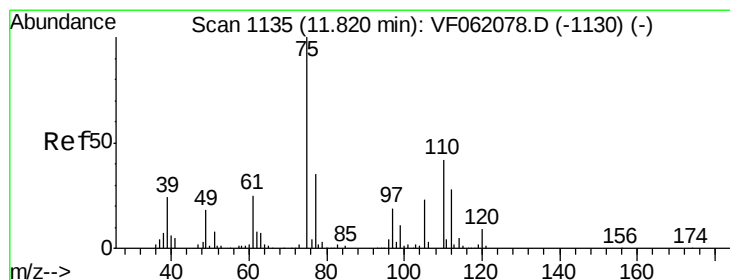
Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.367 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.09 min

Lab File: VF062148.D

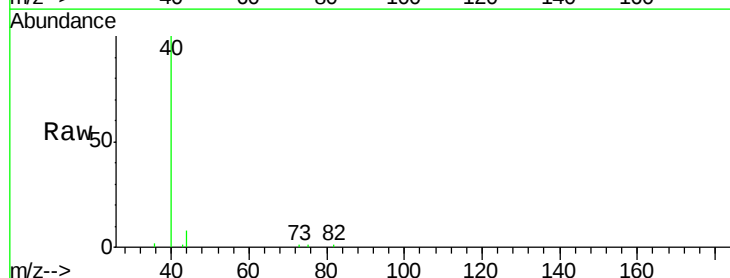
Acq: 26 Mar 2019 16:18

Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

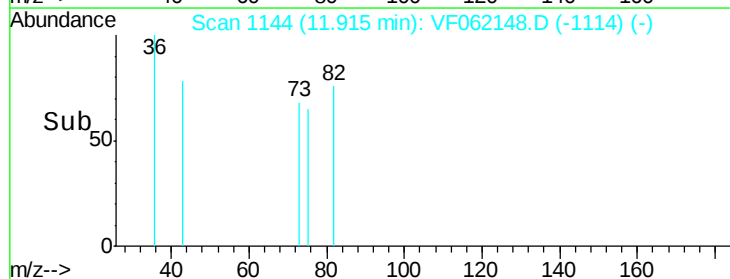
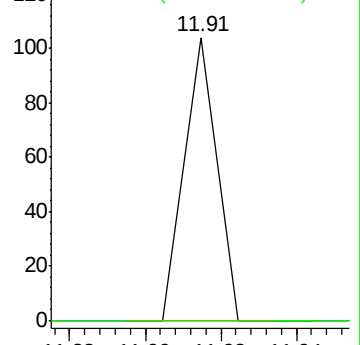
75 100

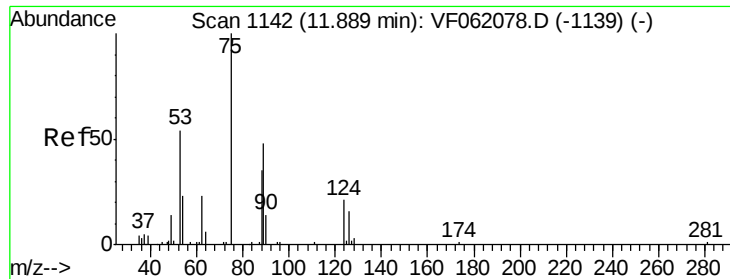
77 0.0 17.8 53.3#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.892 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.03 min

Lab File: VF062148.D

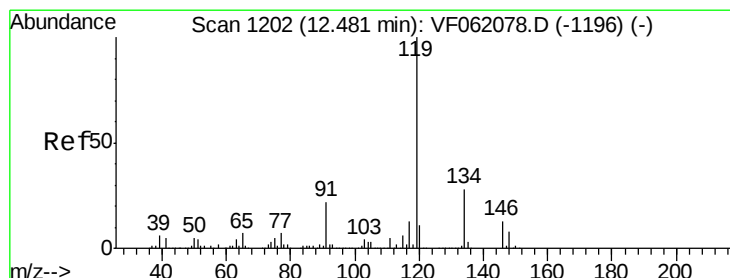
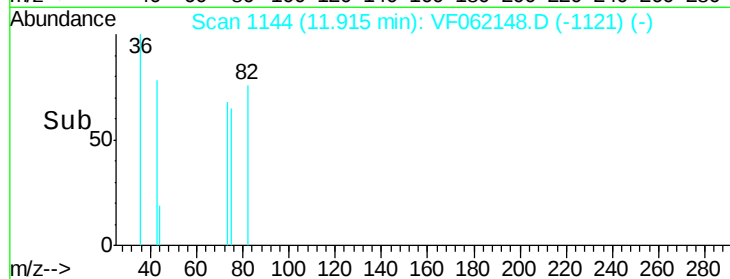
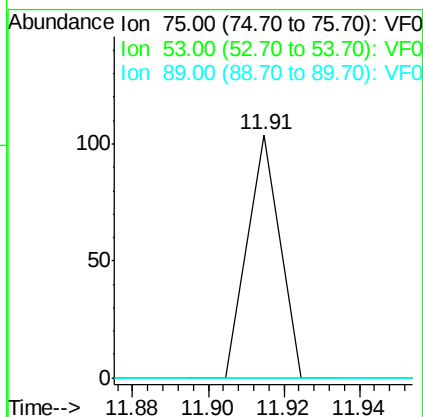
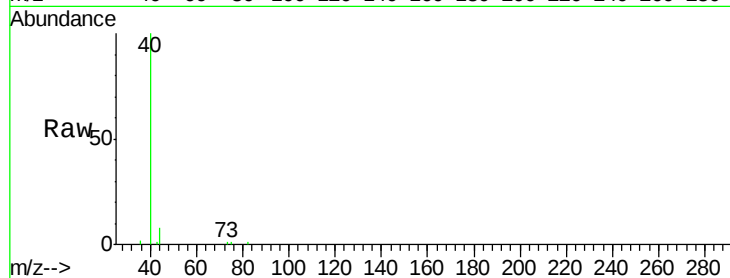
Acq: 26 Mar 2019 16:18

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	75	Resp:	62
Ion	Ratio	Lower	Upper
75	100		
53	0.0	49.4	74.0#
89	0.0	40.6	60.8#



#86

p-Isopropyltoluene

Concen: 2.665 ug/l

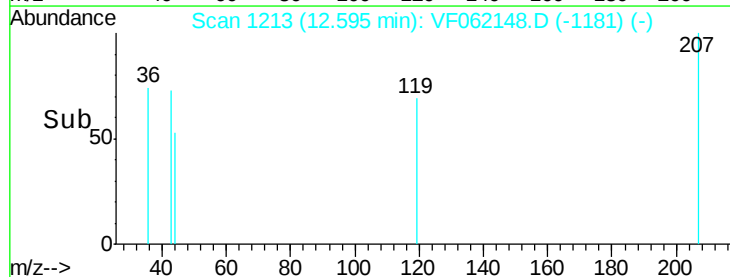
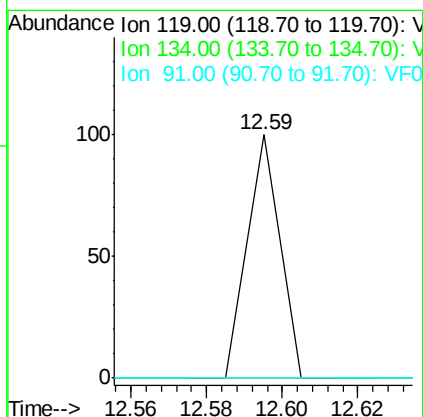
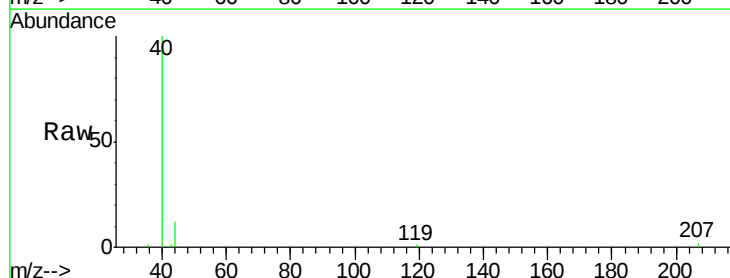
RT: 12.59 min Scan# 1213

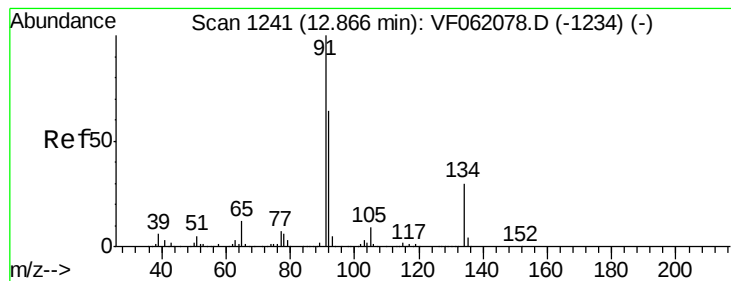
Delta R.T. 0.11 min

Lab File: VF062148.D

Acq: 26 Mar 2019 16:18

Tgt Ion:	119	Resp:	59
Ion	Ratio	Lower	Upper
119	100		
134	0.0	14.0	42.0#
91	0.0	10.8	32.4#





#89
 n-Butylbenzene
 Concen: 3.220 ug/l
 RT: 12.90 min Scan# 1244
 Delta R.T. 0.04 min
 Lab File: VF062148.D
 Acq: 26 Mar 2019 16:18

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	31.9	95.5#
134	0.0	14.9	44.9#

