

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062297.D
 Acq On : 25 Apr 2019 17:37
 Operator : FY/SY
 Sample : K2564-01RE
 Misc : 5.64g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 C-1_042419RE

Quant Time: Apr 26 01:10:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	11628	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	12670	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	5102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.62

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	2634	27.97	ug/l	-0.01
Spiked Amount			Recovery	=	55.94%	
35) Dibromofluoromethane	4.30	113	3845	40.93	ug/l	-0.02
Spiked Amount			Recovery	=	81.86%	
50) Toluene-d8	7.71	98	10006	43.61	ug/l	-0.01
Spiked Amount			Recovery	=	87.22%	
62) 4-Bromofluorobenzene	11.48	95	1072	11.33	ug/l	-0.02
Spiked Amount			Recovery	=	22.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	164	1.187	ug/l #	40
3) Chloromethane	1.14	50	330	2.835	ug/l #	44
5) Bromomethane	1.43	94	283	3.780	ug/l	92
6) Chloroethane	1.51	64	62	1.283	ug/l #	42
8) Diethyl Ether	1.59	74	159	5.010	ug/l	87
11) Tert butyl alcohol	2.67	59	200	35.103	ug/l #	1
13) Acrolein	2.12	56	213	46.809	ug/l #	43
14) Allyl chloride	2.14	41	569	5.330	ug/l #	62
15) Acrylonitrile	3.06	53	79	5.006	ug/l #	1
16) Acetone	2.34	43	471	22.335	ug/l #	56
18) Methyl Acetate	2.49	43	1321	32.648	ug/l #	59
19) Methyl tert-butyl Ether	2.54	73	394	2.107	ug/l #	57
21) trans-1,2-Dichloroethene	2.44	96	213	2.197	ug/l #	1
22) Diisopropyl ether	2.95	45	783	2.724	ug/l #	43
23) Vinyl Acetate	3.34	43	354	2.778	ug/l #	78
25) 2-Butanone	4.54	43	519	15.521	ug/l #	57
26) 2,2-Dichloropropane	3.98	77	511	5.999	ug/l	82
27) cis-1,2-Dichloroethene	3.61	96	219	1.784	ug/l #	15
28) Bromochloromethane	3.83	49	74	1.070	ug/l #	2
29) Tetrahydrofuran	4.25	42	815	55.470	ug/l #	37
31) Cyclohexane	3.85	56	220	1.409	ug/l #	16
37) Ethyl Acetate	4.31	43	1169	23.772	ug/l #	3
41) Methacrylonitrile	4.92	41	486	17.789	ug/l #	6
43) Isopropyl Acetate	7.11	43	1054	20.793	ug/l #	46
45) 1,2-Dichloropropane	6.34	63	85	1.335	ug/l #	1
46) Dibromomethane	6.23	93	65	1.414	ug/l #	31
48) Methyl methacrylate	6.82	41	895	24.842	ug/l #	44
51) 4-Methyl-2-Pentanone	8.34	43	396	10.220	ug/l #	38
53) t-1,3-Dichloropropene	8.26	75	101	1.271	ug/l #	41
55) 1,1,2-Trichloroethane	8.68	97	61	1.318	ug/l #	14
56) Ethyl methacrylate	8.76	69	86	1.691	ug/l #	1
57) 1,3-Dichloropropane	8.81	76	83	1.141	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.40	63	80	5.171	ug/l #	44
59) 2-Hexanone	9.51	43	362	1.181	ug/l	65

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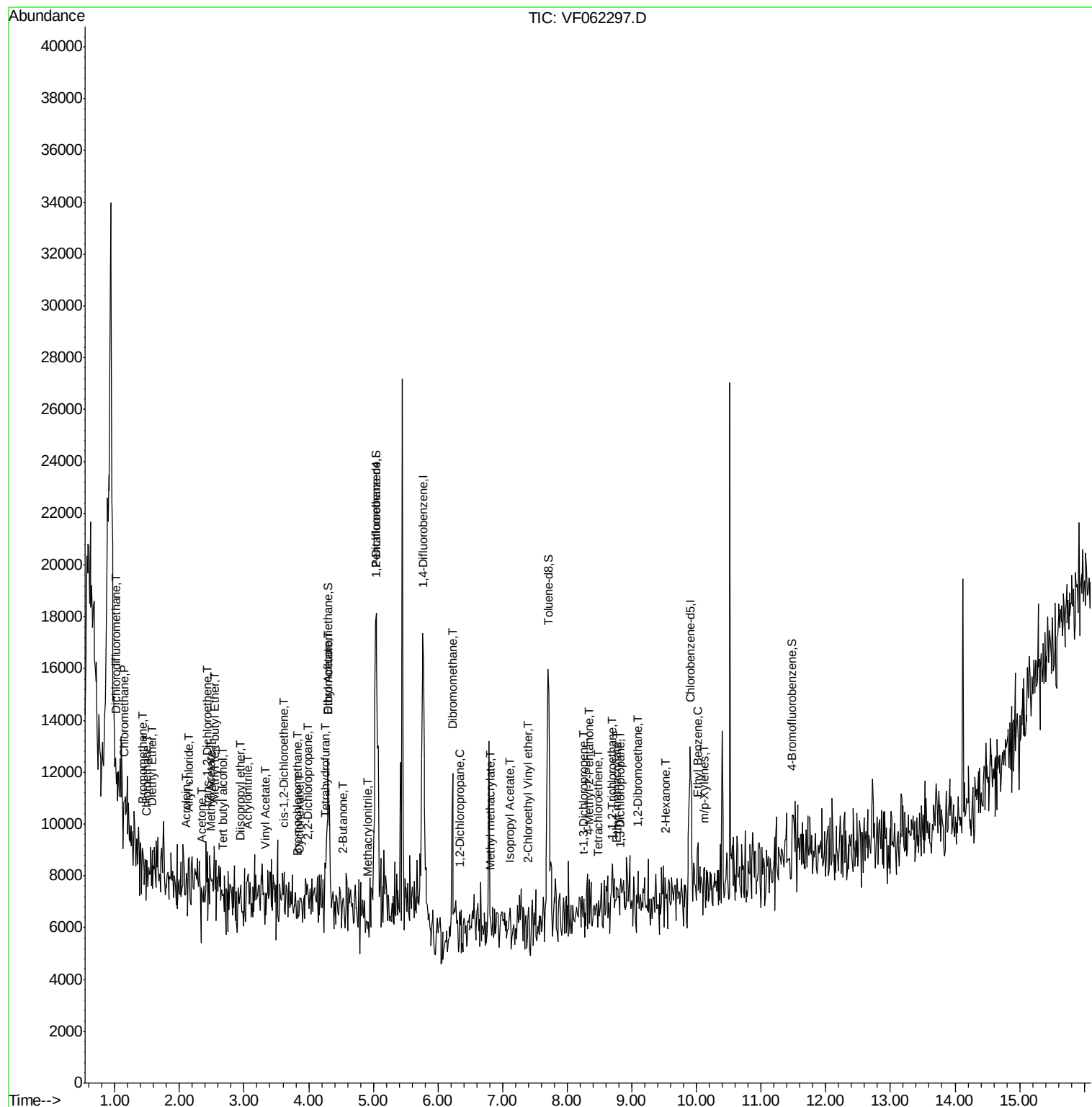
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2-Dibromoethane	9.10	107	71	1.325	ug/l #	1
64) Tetrachloroethene	8.50	164	62	1.453	ug/l #	1
67) Ethyl Benzene	10.02	91	163	1.006	ug/l #	43
68) m/p-Xylenes	10.13	106	150	2.486	ug/l #	5

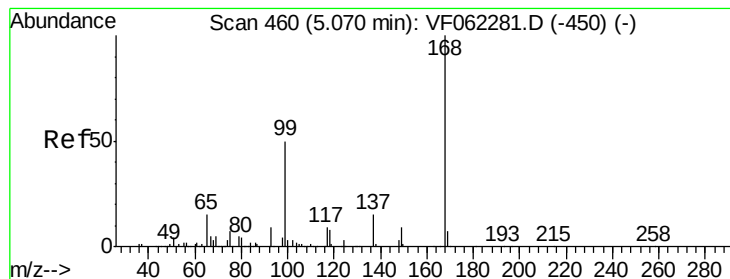
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

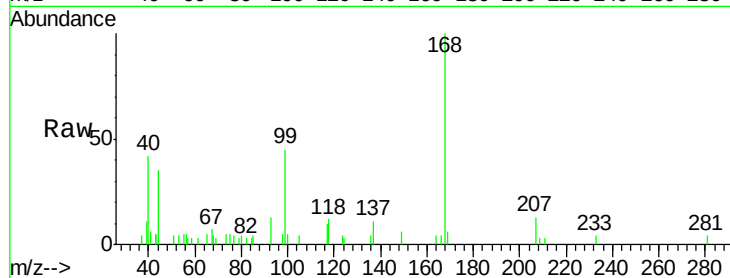
C-1_042419RE

Tot Ion:168 Resp: 11628

Ion Ratio Lower Upper

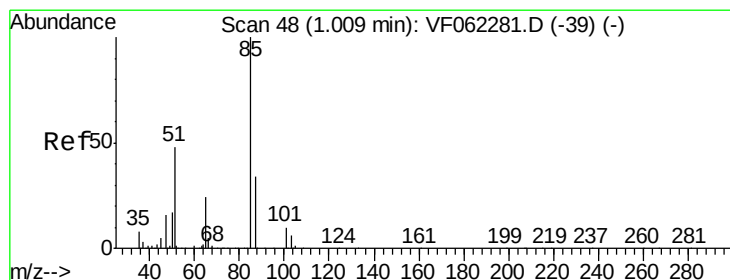
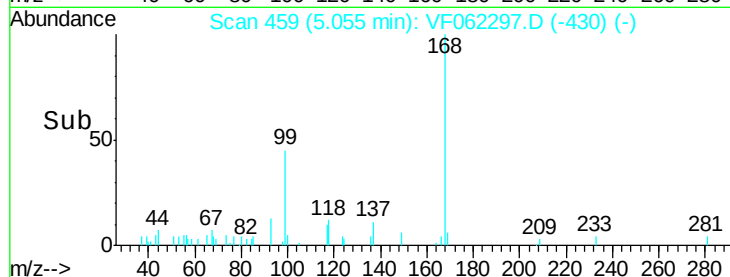
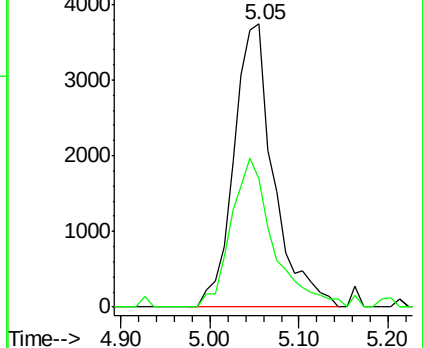
168 100

99 45.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#2

Dichlorodifluoromethane

Concen: 1.187 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062297.D

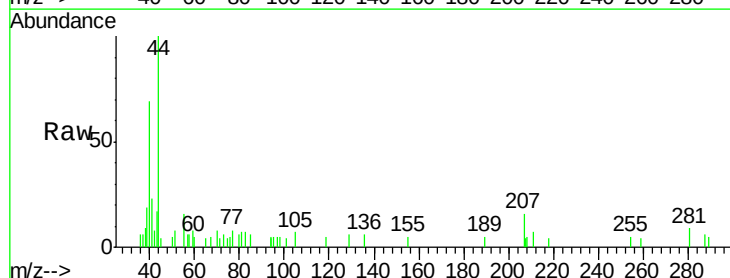
Acq: 25 Apr 2019 17:37

Tgt Ion: 85 Resp: 164

Ion Ratio Lower Upper

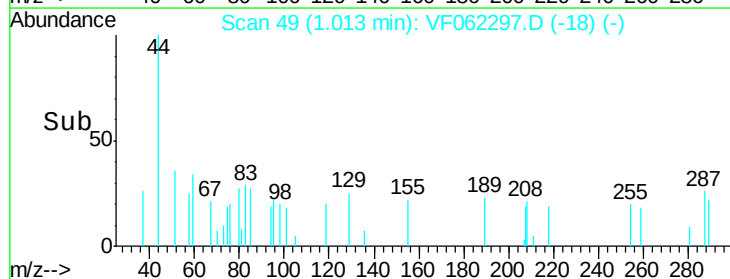
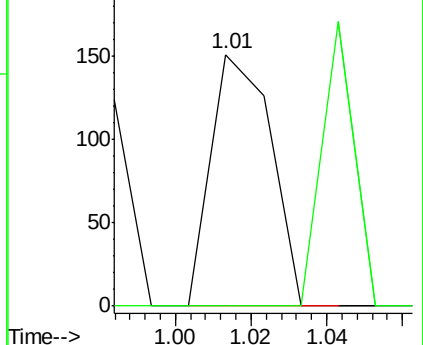
85 100

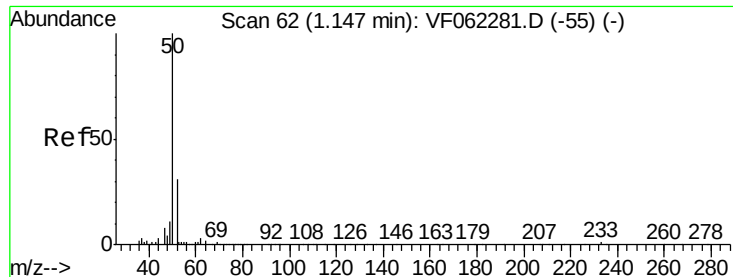
87 0.0 17.1 51.3#



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0





#3

Chloromethane

Concen: 2.835 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

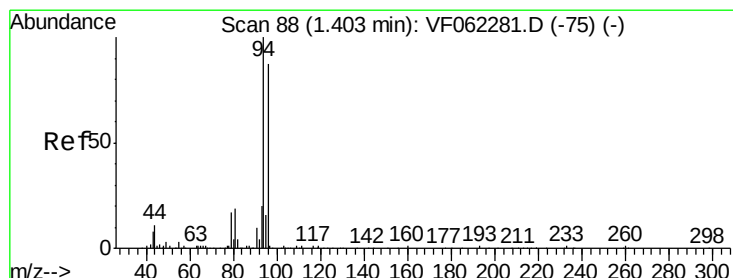
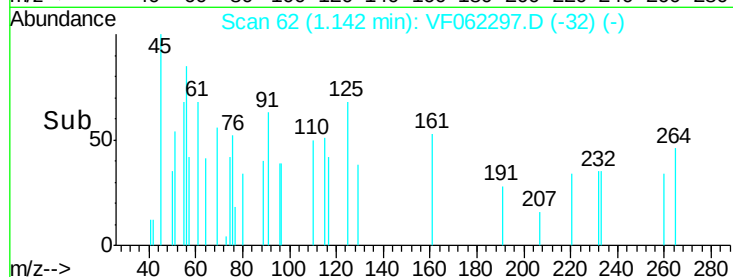
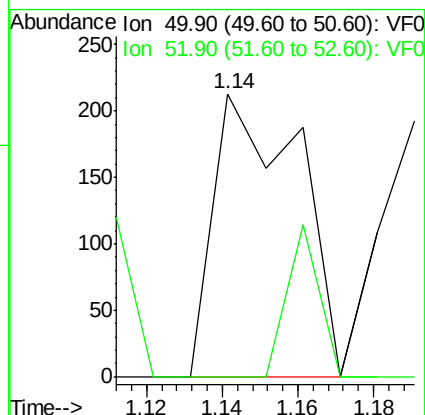
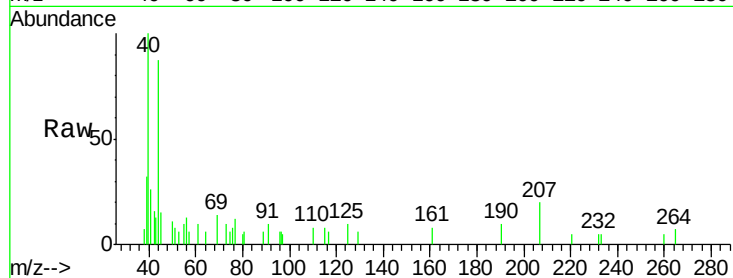
C-1_042419RE

Tot Ion: 50 Resp: 330

Ion Ratio Lower Upper

50 100

52 0.0 24.2 36.4#



#5

Bromomethane

Concen: 3.780 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.02 min

Lab File: VF062297.D

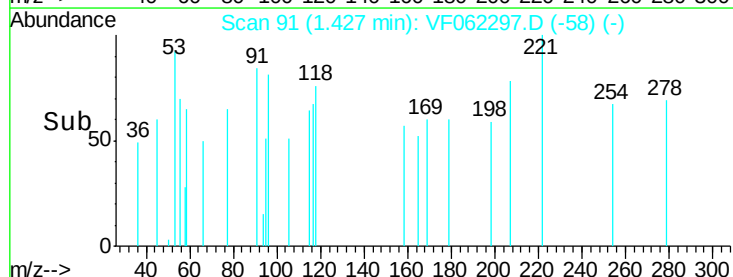
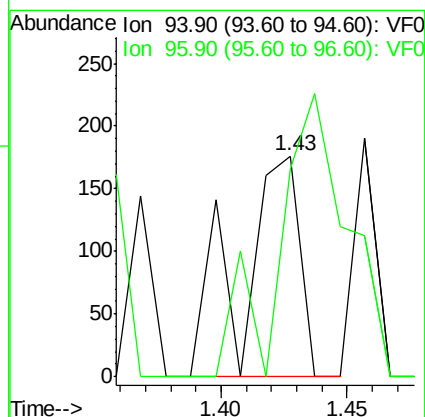
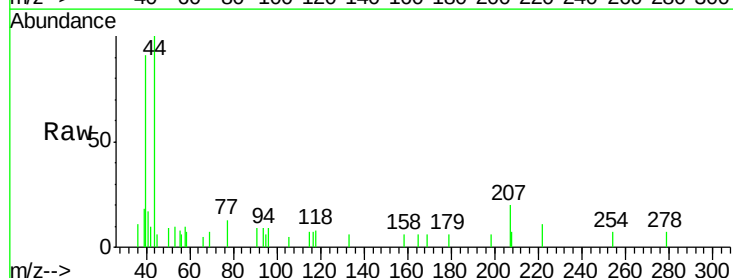
Acq: 25 Apr 2019 17:37

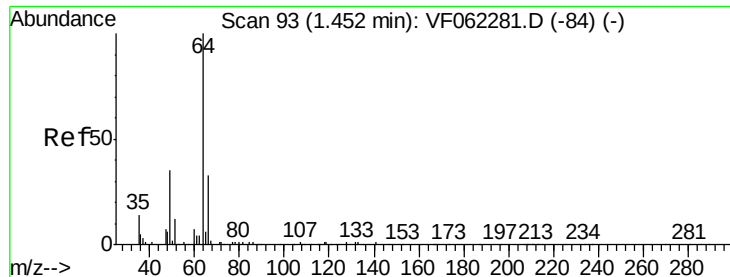
Tgt Ion: 94 Resp: 283

Ion Ratio Lower Upper

94 100

96 94.3 69.5 104.3





#6

Chloroethane

Concen: 1.283 ug/l

RT: 1.51 min Scan# 99

Delta R.T. 0.05 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

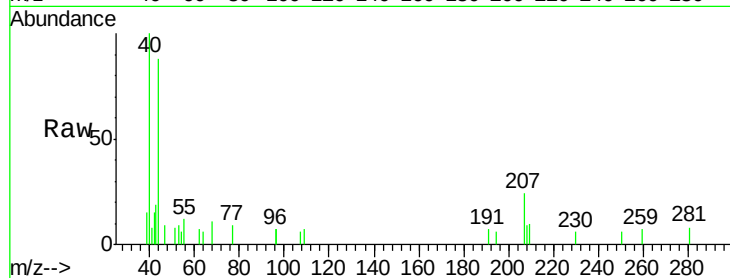
C-1_042419RE

Tot Ion: 64 Resp: 62

Ion Ratio Lower Upper

64 100

66 0.0 26.0 39.0#



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0

1.51

100

80

60

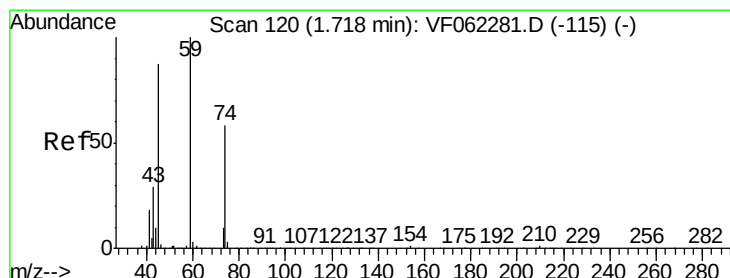
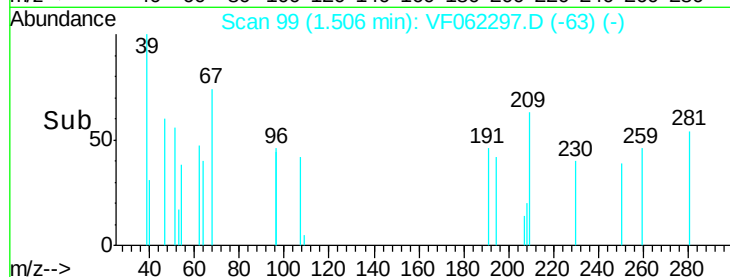
40

20

0

1.48 1.50 1.52 1.54

Time-->



#8

Diethyl Ether

Concen: 5.010 ug/l

RT: 1.59 min Scan# 107

Delta R.T. -0.13 min

Lab File: VF062297.D

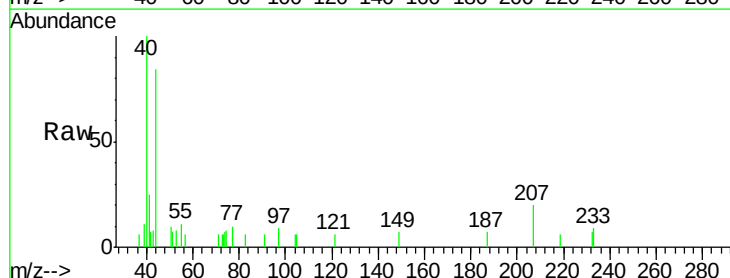
Acq: 25 Apr 2019 17:37

Tgt Ion: 74 Resp: 159

Ion Ratio Lower Upper

74 100

45 132.1 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.59

300

250

200

150

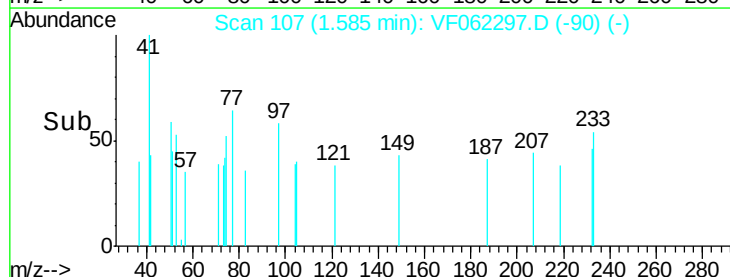
100

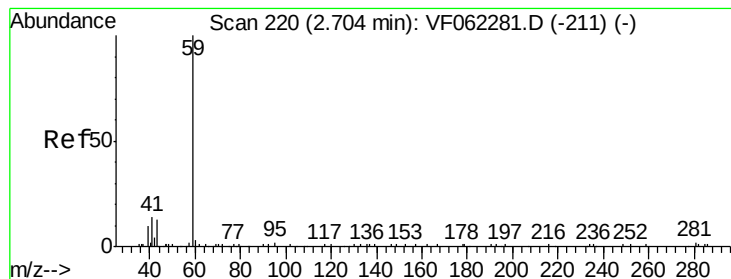
50

0

1.56 1.58 1.60

Time-->



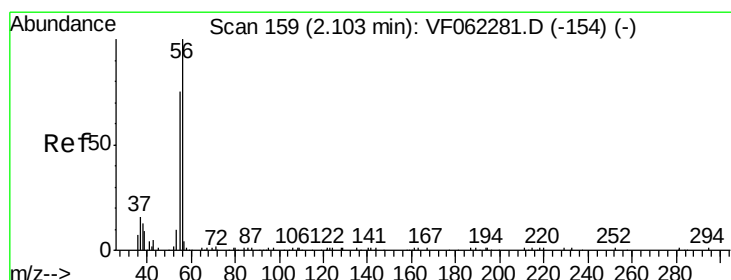
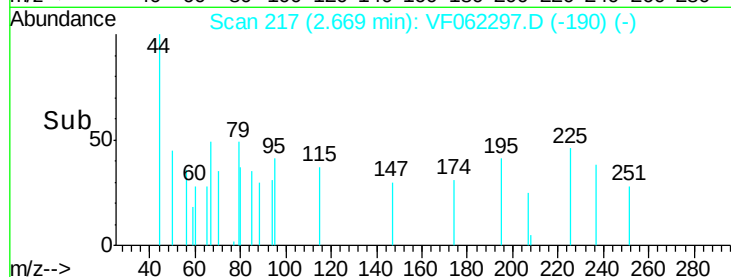
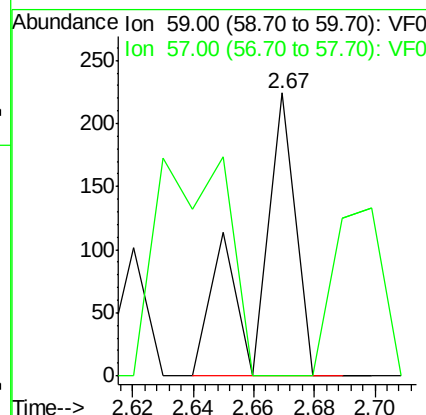
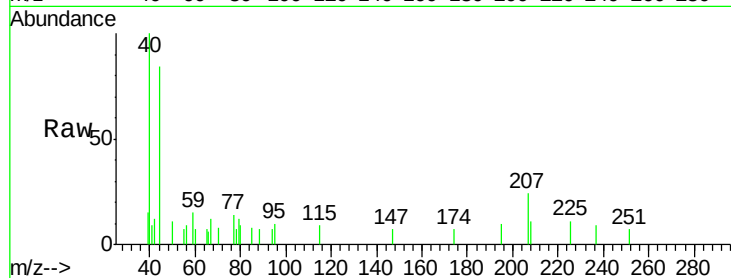


#11

Tert butyl alcohol
Concen: 35.103 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.03 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
C-1_042419RE

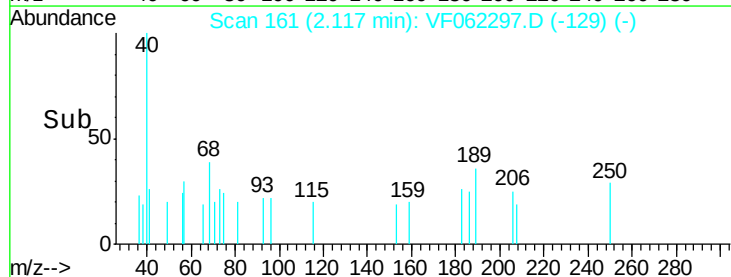
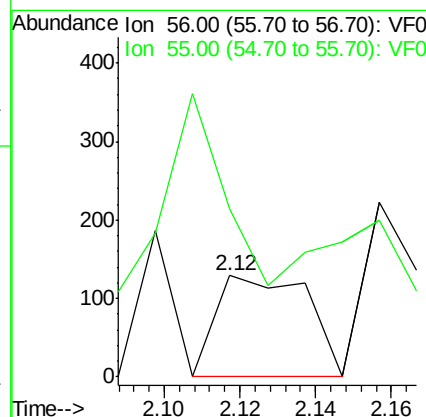
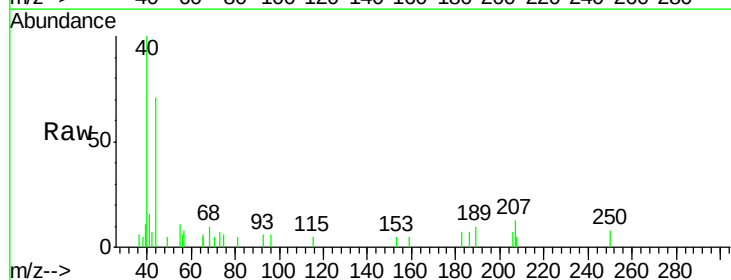
Tot Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 141.5 8.8 13.2#

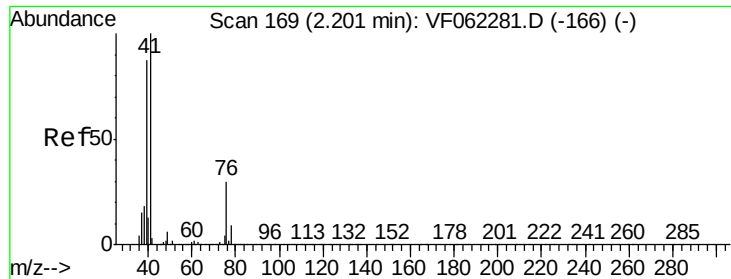


#13

Acrolein
Concen: 46.809 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.02 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
55 127.2 62.3 93.5#

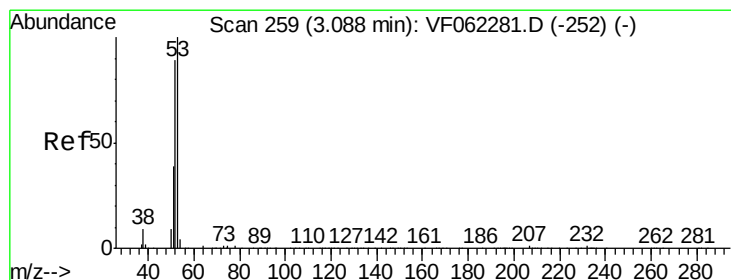
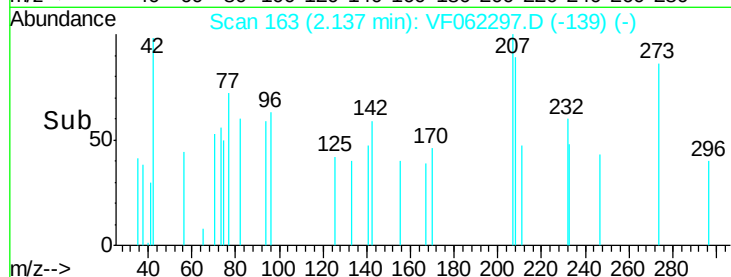
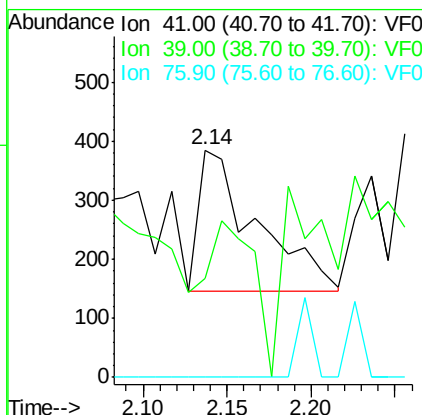
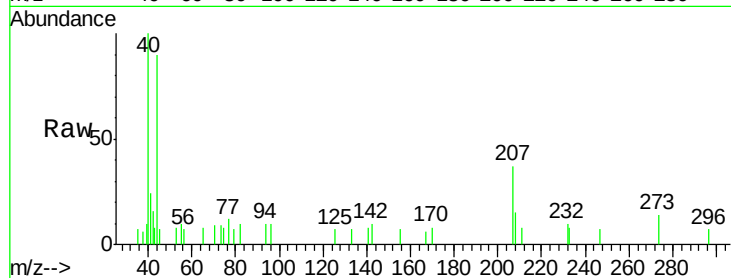




#14
Allvl chloride
Concen: 5.330 ug/l
RT: 2.14 min Scan# 163
Delta R.T. -0.06 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

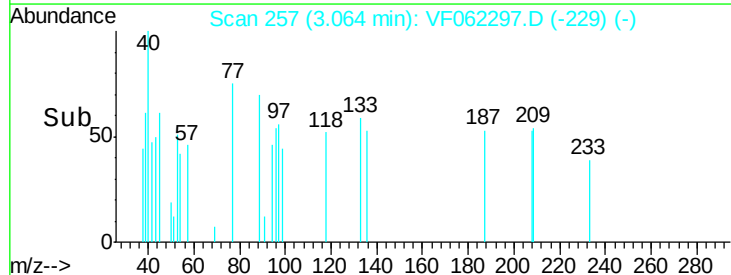
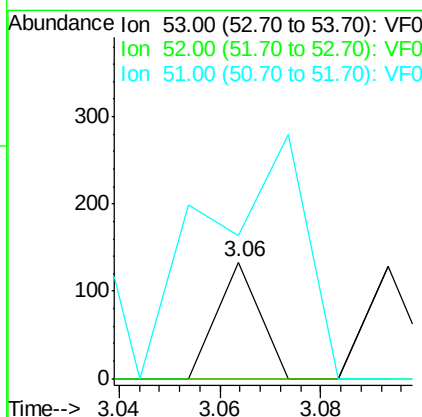
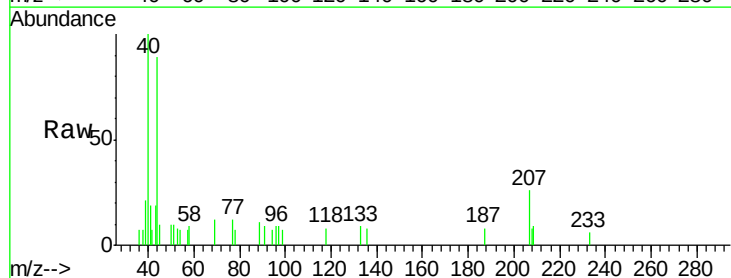
Instrument :
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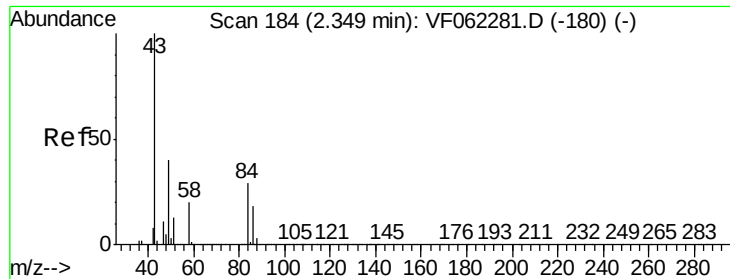
Tot Ion: 41 Resp: 569
Ion Ratio Lower Upper
41 100
39 91.7 50.3 75.5#
76 0.0 14.8 22.2#



#15
Acrylonitrile
Concen: 5.006 ug/l
RT: 3.06 min Scan# 257
Delta R.T. -0.02 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Tgt Ion: 53 Resp: 79
Ion Ratio Lower Upper
53 100
52 0.0 70.6 105.8#
51 481.0 32.6 48.8#

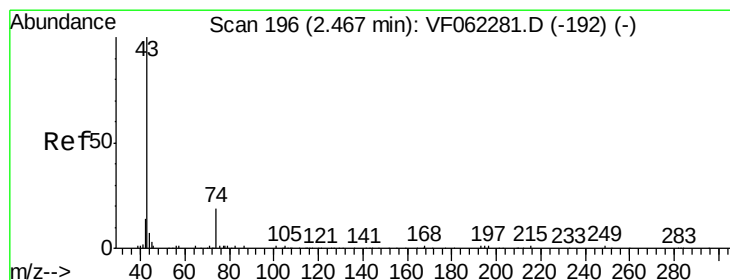
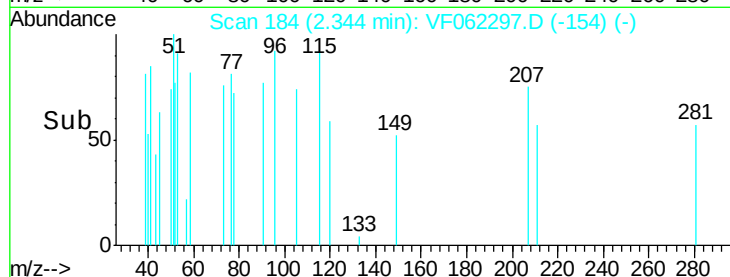
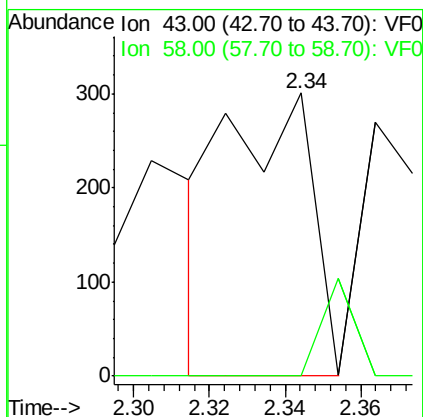
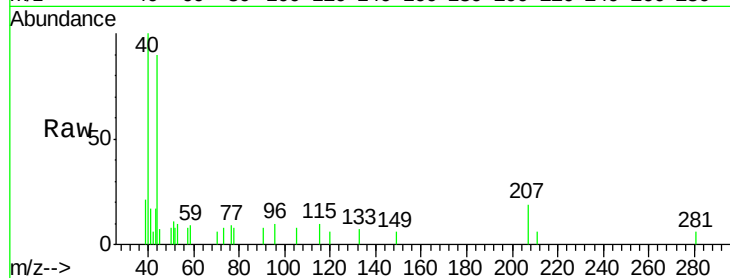




#16
Acetone
Concen: 22.335 ug/l
RT: 2.34 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

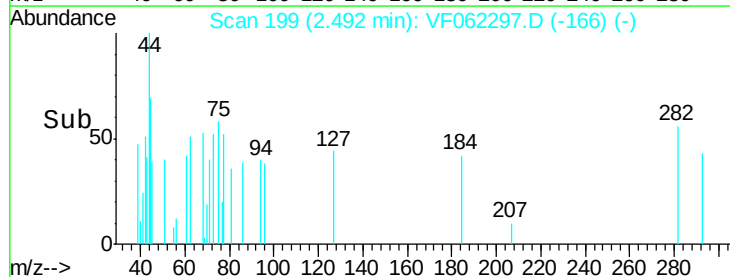
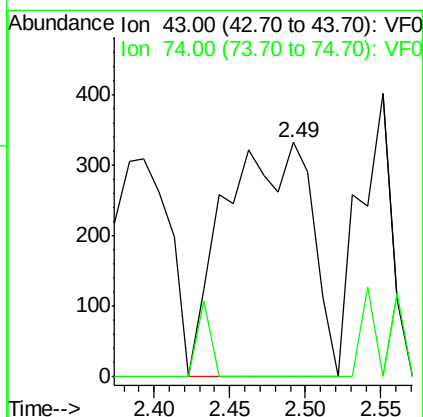
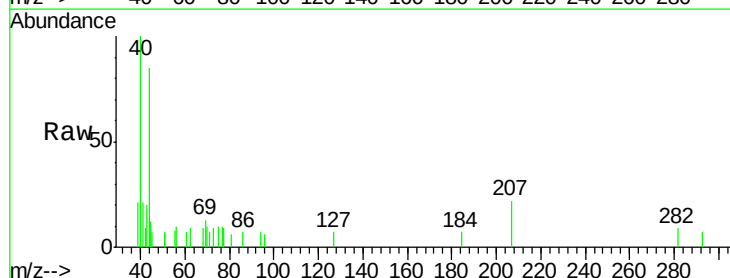
Instrument :
MSVOA_F
ClientSampleId :
C-1_042419RE

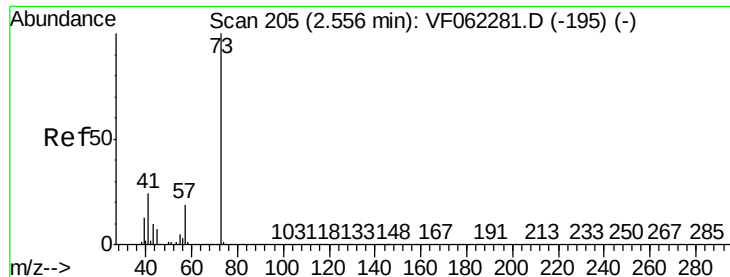
Tot Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
58 0.0 16.4 24.6#



#18
Methyl Acetate
Concen: 32.648 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Tgt Ion: 43 Resp: 1321
Ion Ratio Lower Upper
43 100
74 0.0 14.4 21.6#





#19

Methyl tert-butyl Ether

Concen: 2.107 ug/l

RT: 2.54 min Scan# 204

Delta R.T. -0.01 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

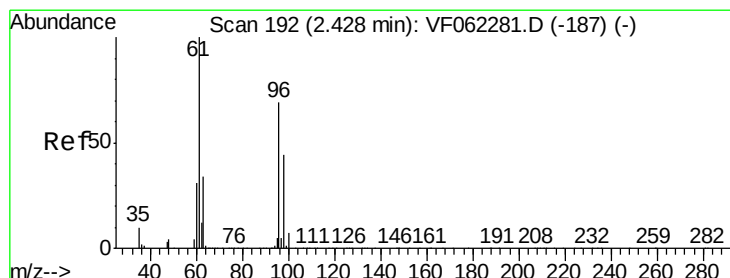
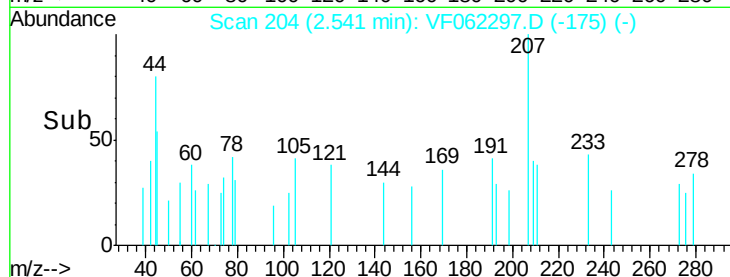
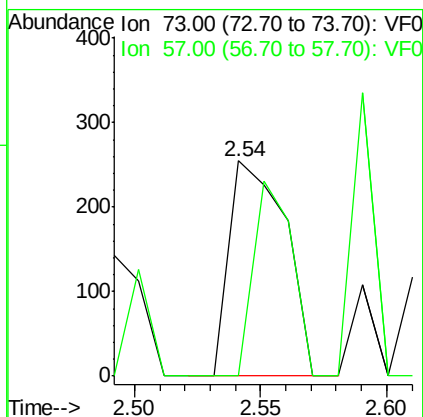
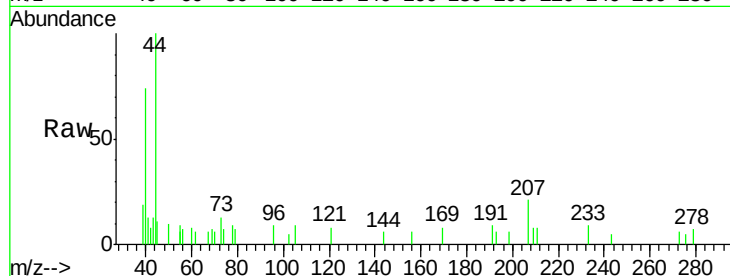
C-1_042419RE

Tot Ion: 73 Resp: 394

Ion Ratio Lower Upper

73 100

57 0.0 15.5 23.3#



#21

trans-1,2-Dichloroethene

Concen: 2.197 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

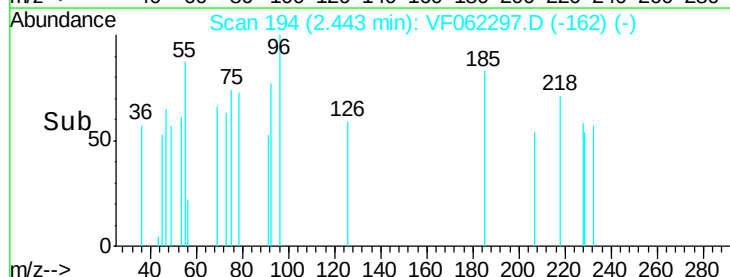
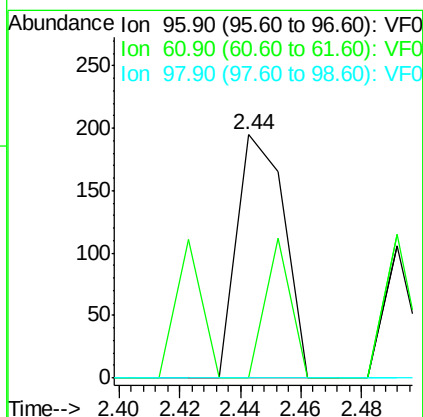
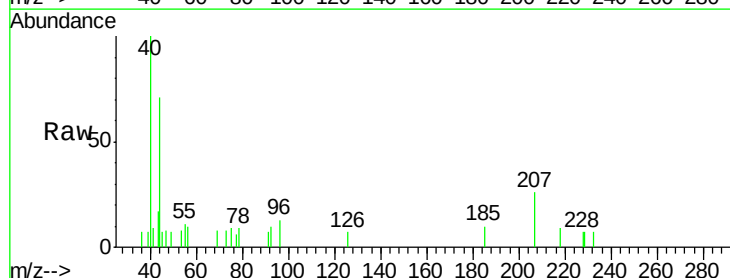
Tgt Ion: 96 Resp: 213

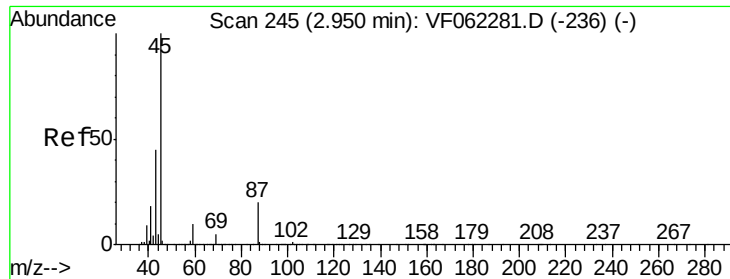
Ion Ratio Lower Upper

96 100

61 0.0 116.2 174.2#

98 0.0 51.4 77.0#





#22

Diisopropyl ether

Concen: 2.724 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

C-1_042419RE

Tot Ion: 45 Resp: 783

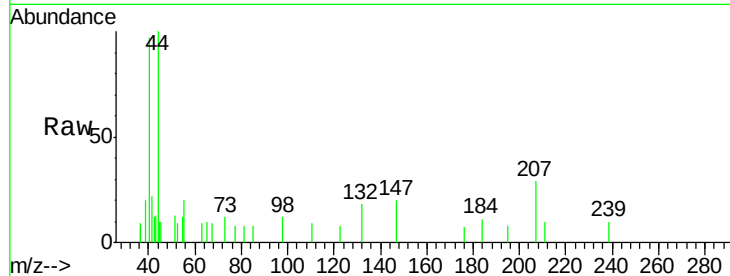
Ion Ratio Lower Upper

45 100

43 0.0 36.2 54.2#

87 0.0 15.8 23.6#

59 0.0 7.8 11.8#

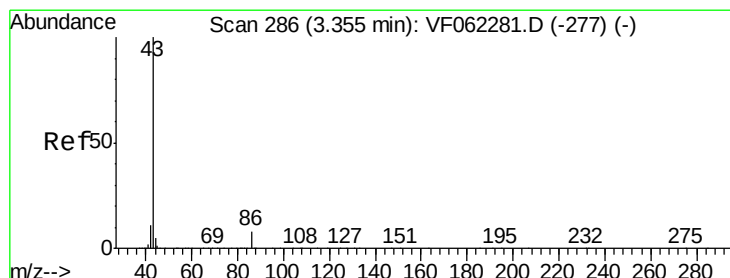
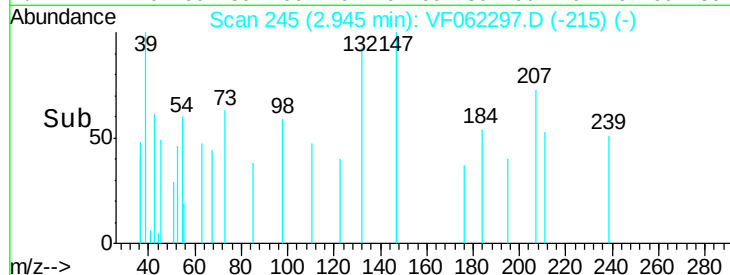
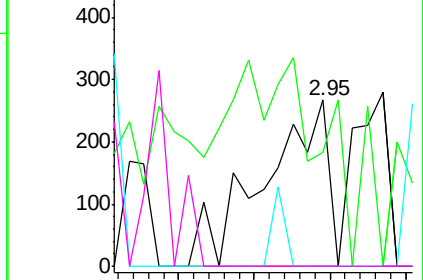


Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 2.778 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062297.D

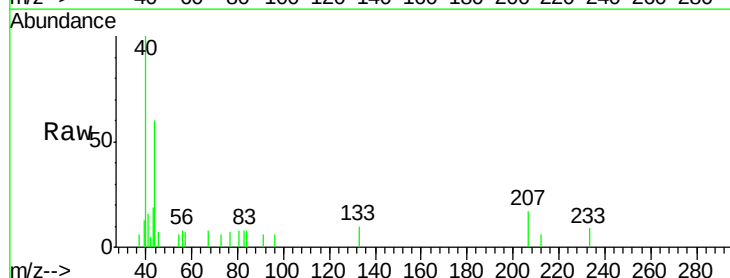
Acq: 25 Apr 2019 17:37

Tgt Ion: 43 Resp: 354

Ion Ratio Lower Upper

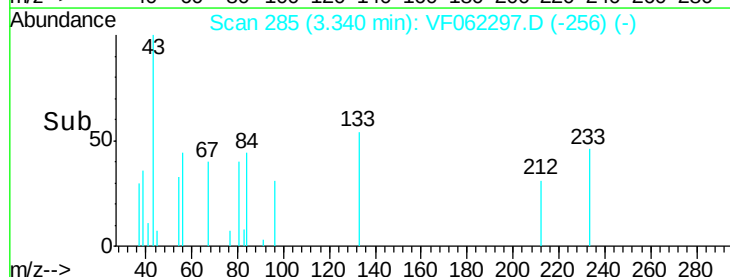
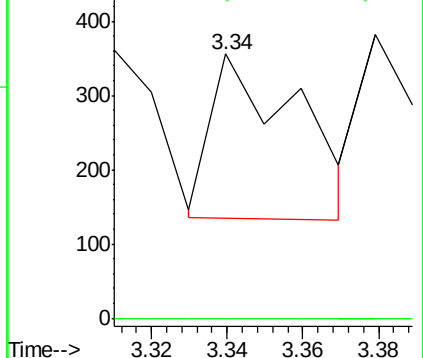
43 100

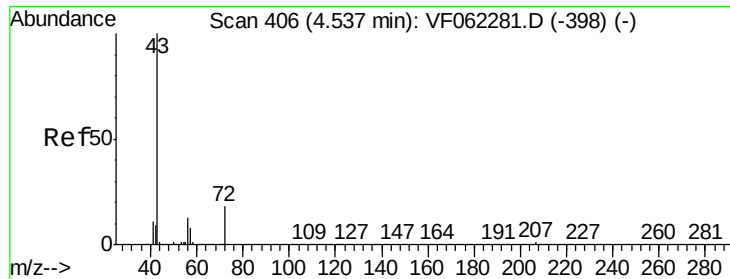
86 0.0 6.0 9.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 15.521 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.00 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

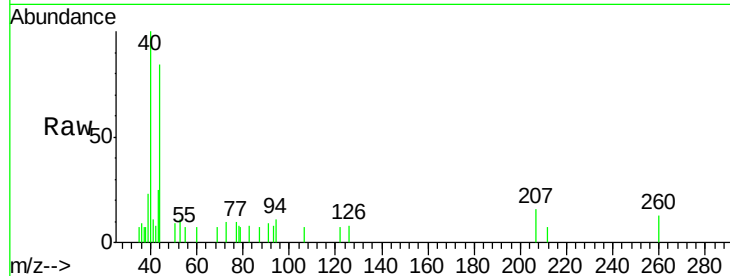
C-1_042419RE

Tot Ion: 43 Resp: 519

Ion Ratio Lower Upper

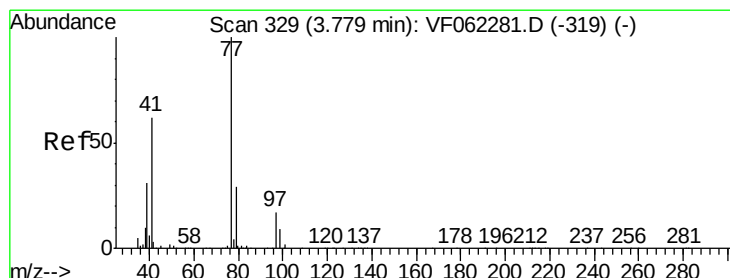
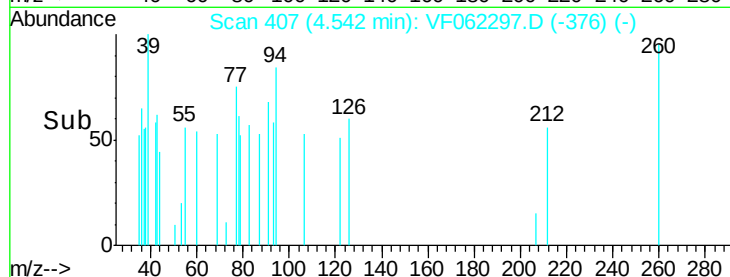
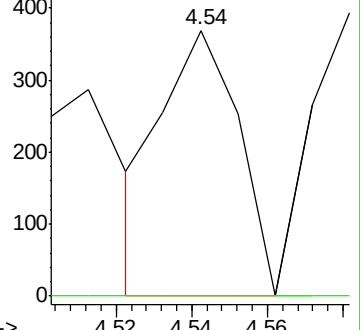
43 100

72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 5.999 ug/l

RT: 3.98 min Scan# 350

Delta R.T. 0.20 min

Lab File: VF062297.D

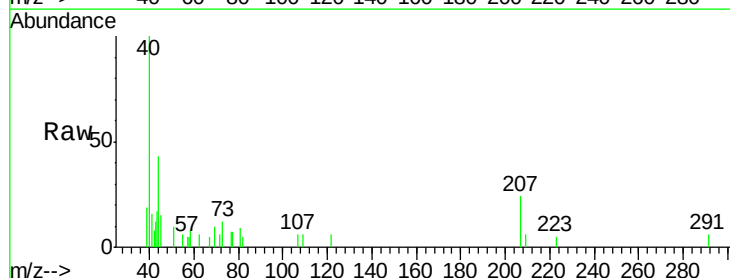
Acq: 25 Apr 2019 17:37

Tgt Ion: 77 Resp: 511

Ion Ratio Lower Upper

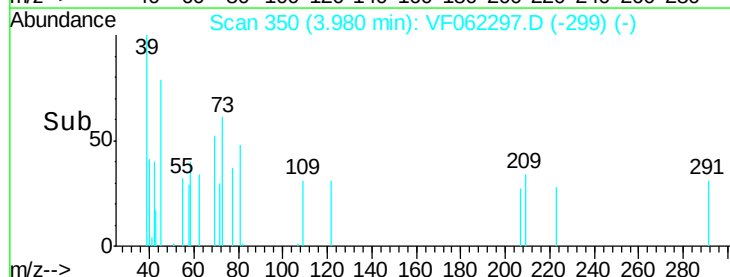
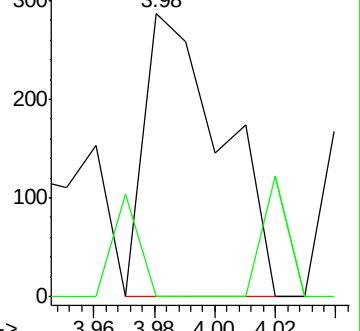
77 100

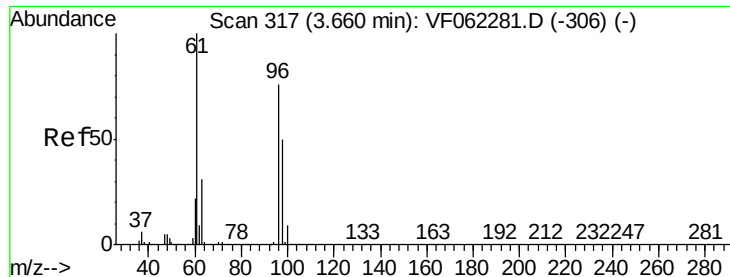
97 12.1 10.3 30.8



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



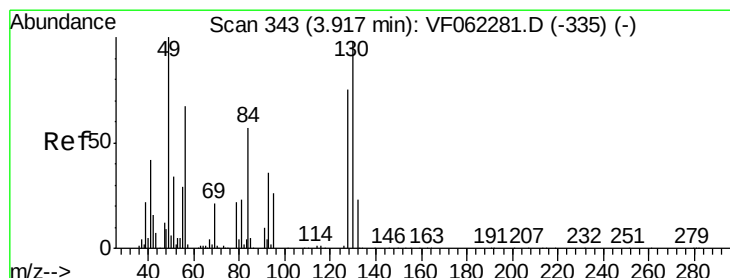
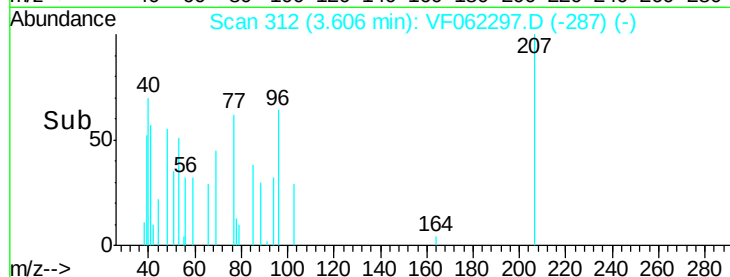
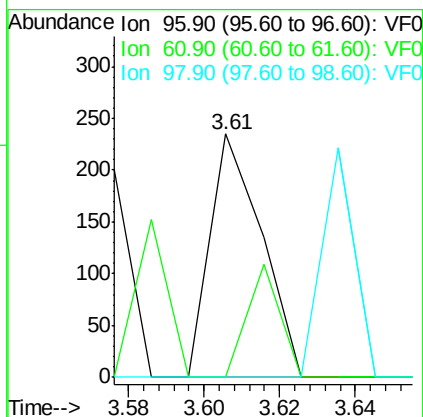
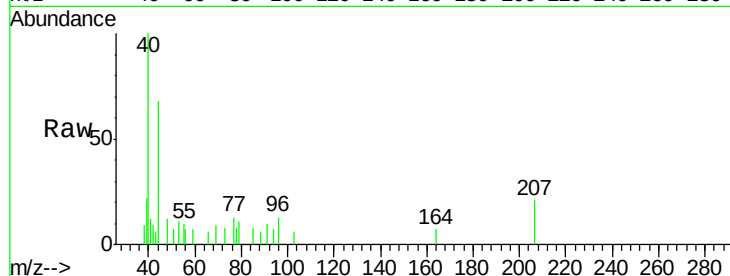


#27

cis-1,2-Dichloroethene
Concen: 1.784 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.05 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
C-1_042419RE

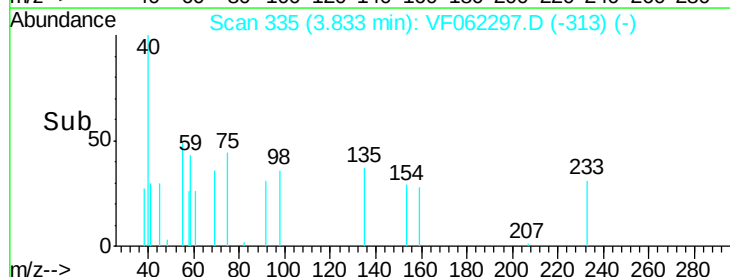
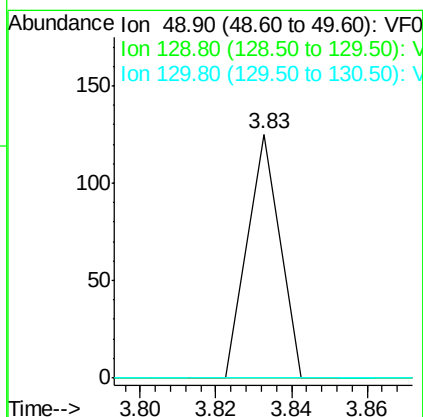
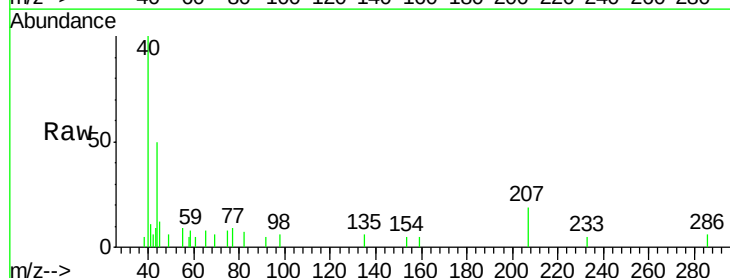
Tot Ion: 96 Resp: 219
Ion Ratio Lower Upper
96 100
61 29.2 0.0 257.6
98 0.0 0.0 137.4

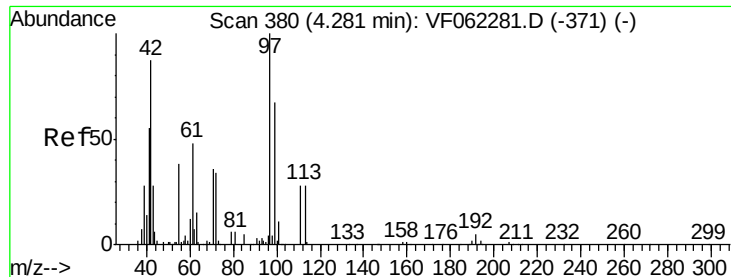


#28

Bromochloromethane
Concen: 1.070 ug/l
RT: 3.83 min Scan# 335
Delta R.T. -0.08 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Tgt Ion: 49 Resp: 74
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 0.0 77.0 115.4#





#29

Tetrahydrofuran

Concen: 55.470 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

C-1_042419RE

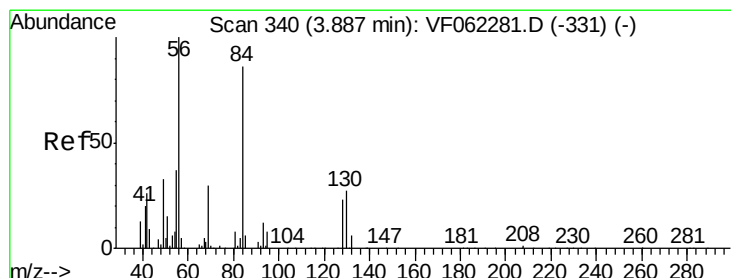
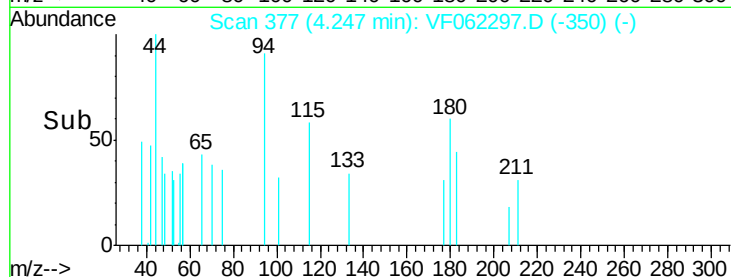
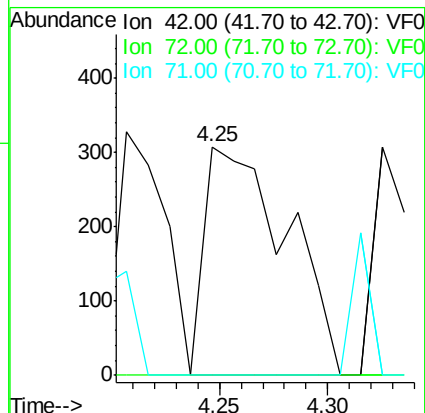
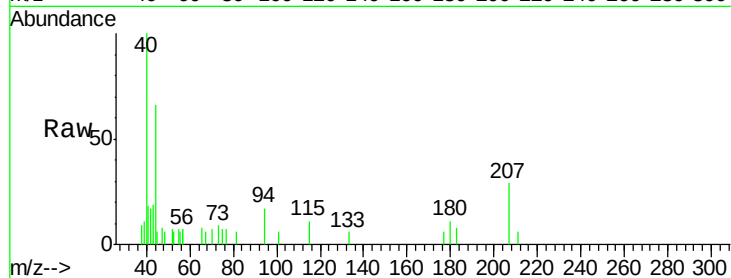
Tot Ion: 42 Resp: 815

Ion Ratio Lower Upper

42 100

72 0.0 29.3 43.9#

71 0.0 31.2 46.8#



#31

Cyclohexane

Concen: 1.409 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.03 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

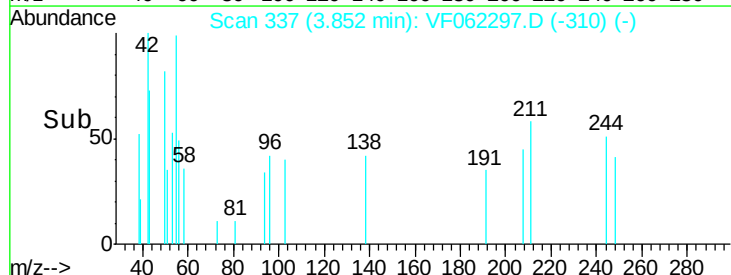
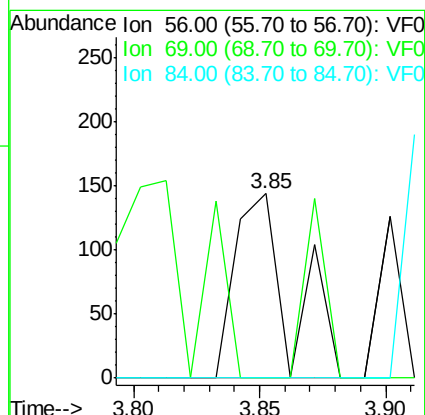
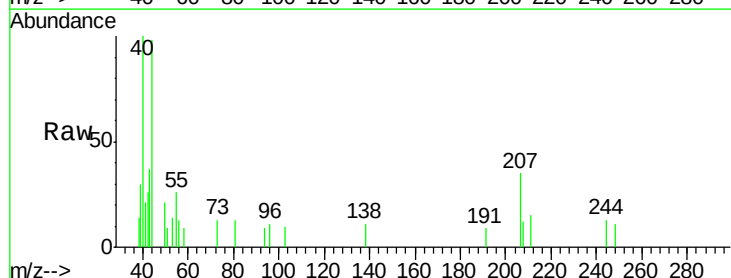
Tgt Ion: 56 Resp: 220

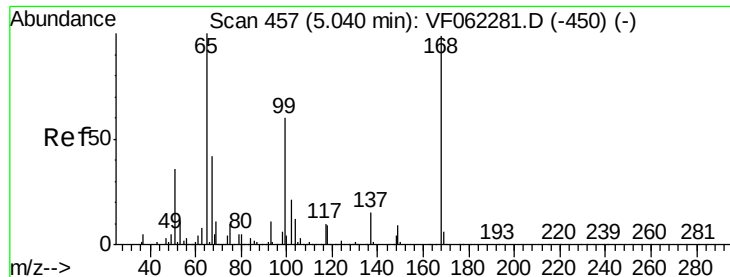
Ion Ratio Lower Upper

56 100

69 0.0 24.3 36.5#

84 0.0 68.5 102.7#

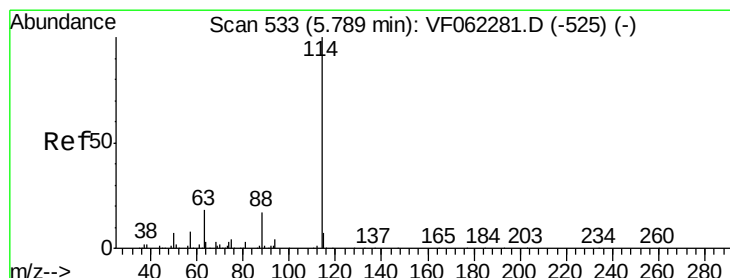
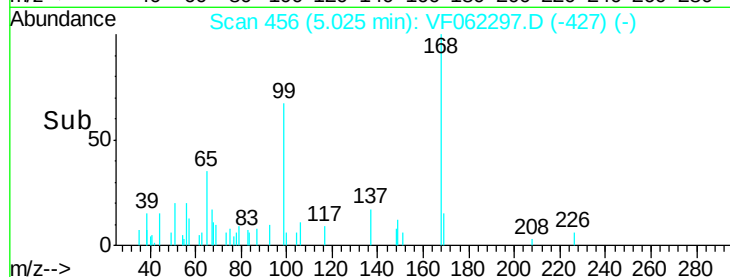
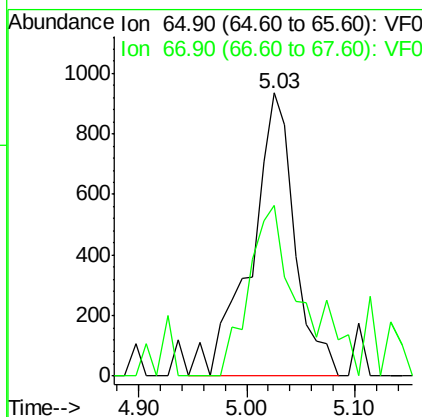
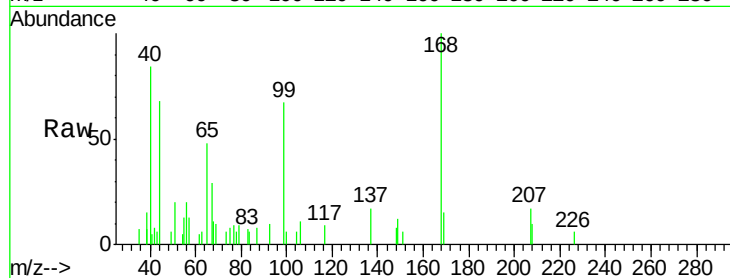




#33
 1,2-Dichloroethane-d4
 Concen: 27.965 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VF062297.D
 Acq: 25 Apr 2019 17:37

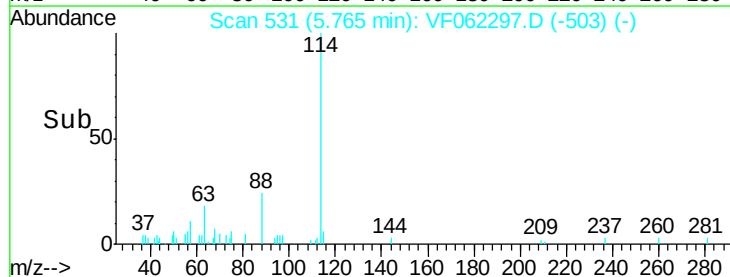
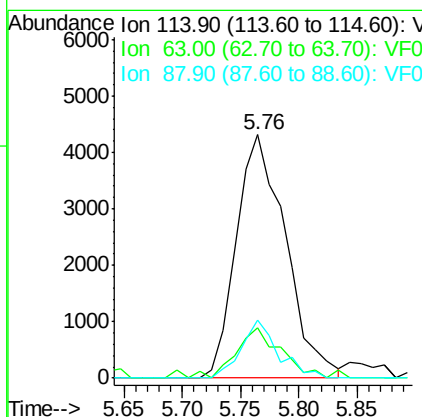
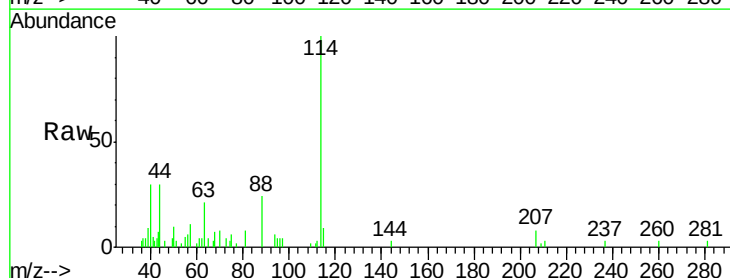
Instrument :
 MSVOA_F
 ClientSampleId :
 C-1_042419RE

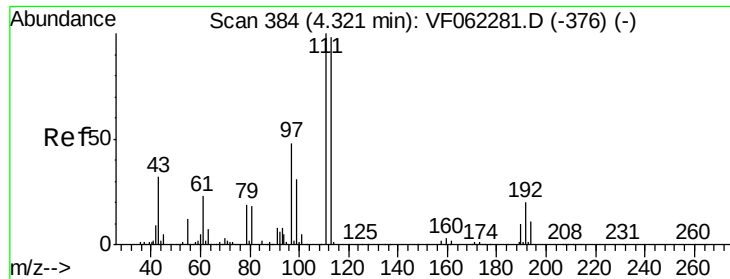
Tot Ion: 65 Resp: 2634
 Ion Ratio Lower Upper
 65 100
 67 72.5 0.0 98.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VF062297.D
 Acq: 25 Apr 2019 17:37

Tgt Ion: 114 Resp: 12670
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 35.6
 88 23.8 0.0 34.6

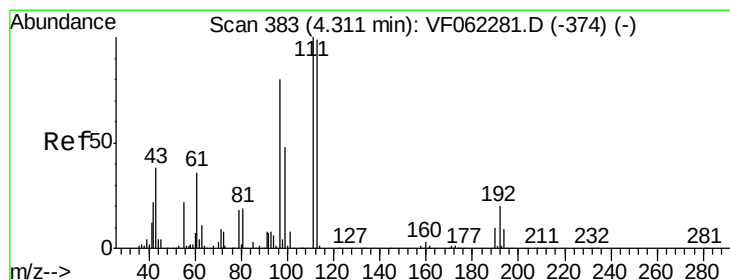
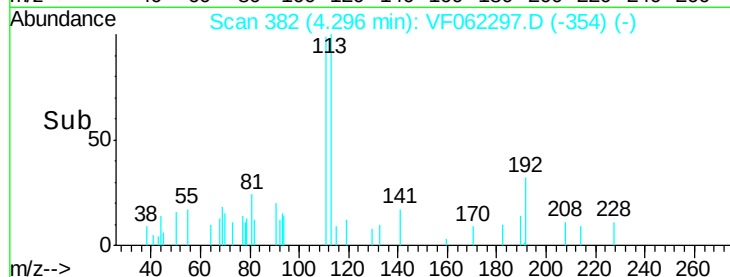
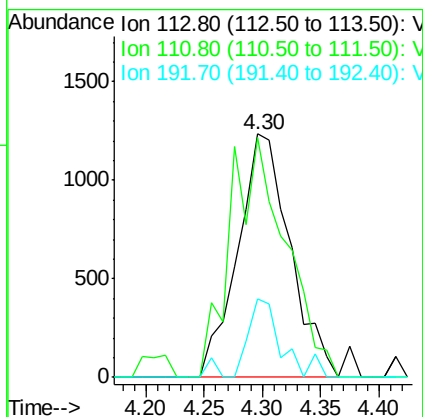
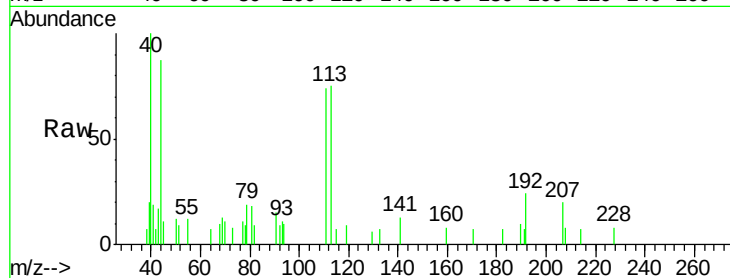




#35
Dibromofluoromethane
Concen: 40.930 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

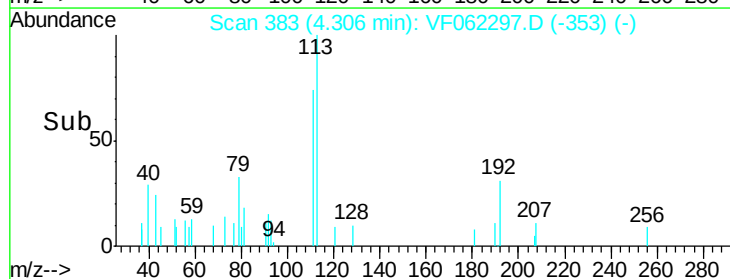
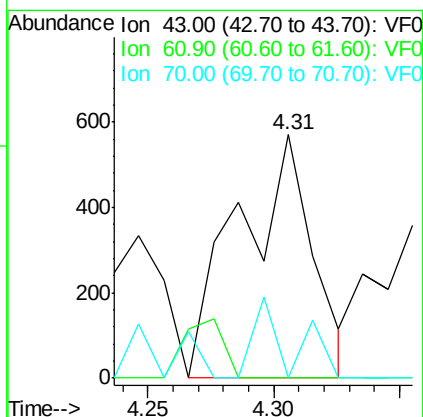
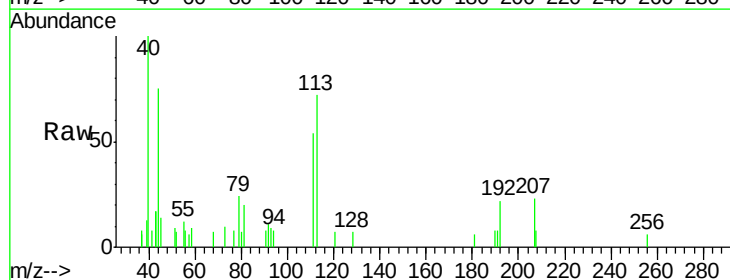
Instrument :
MSVOA_F
ClientSampleId :
C-1_042419RE

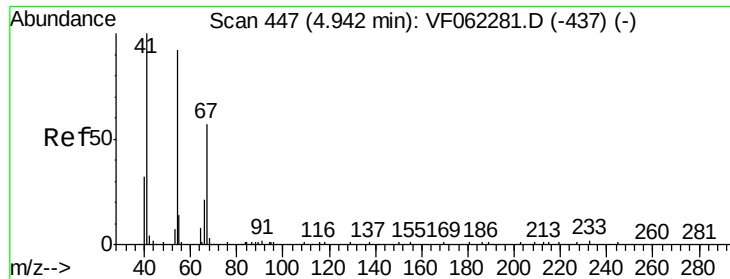
Tot Ion:113 Resp: 3845
Ion Ratio Lower Upper
113 100
111 104.7 81.4 122.2
192 20.3 17.0 25.4



#37
Ethyl Acetate
Concen: 23.772 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Tgt Ion: 43 Resp: 1169
Ion Ratio Lower Upper
43 100
61 0.0 85.8 128.6#
70 16.4 7.3 10.9#

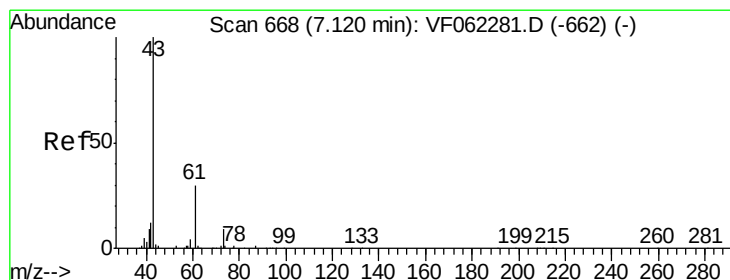
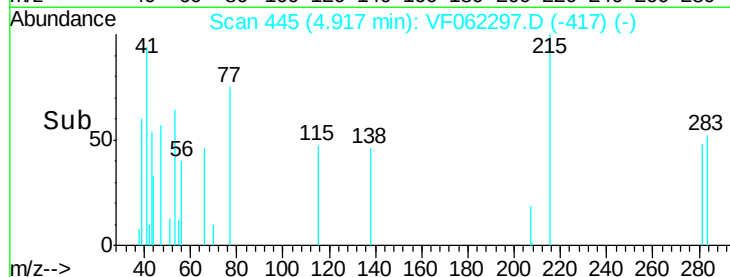
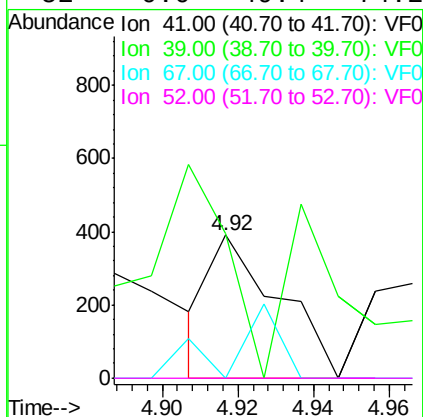
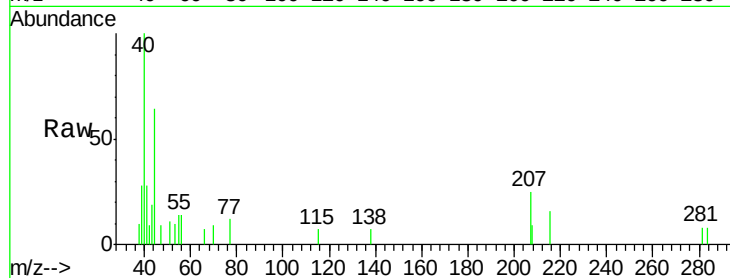




#41
Methacrylonitrile
Concen: 17.789 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.02 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

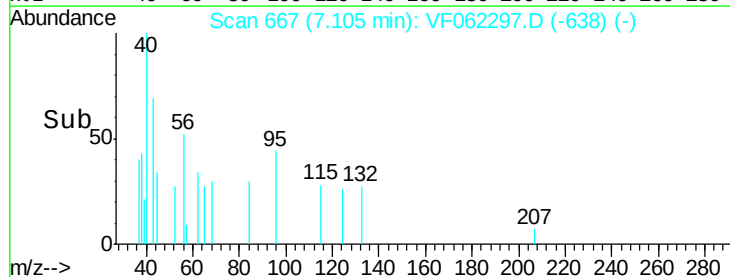
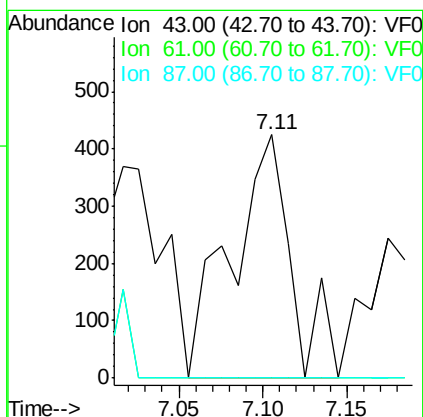
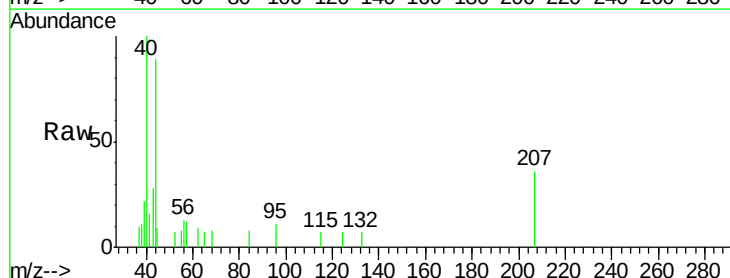
Instrument :
MSVOA_F
ClientSampleId :
C-1_042419RE

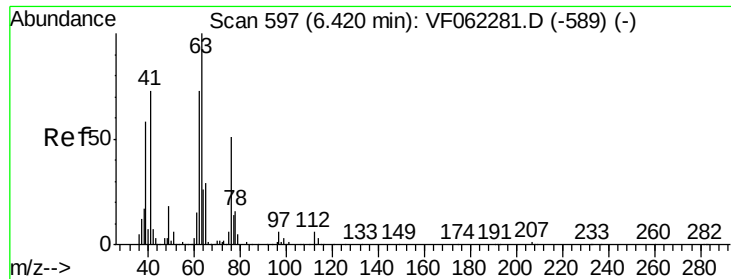
Tot Ion:	41	Resp:	486
Ion	Ratio	Lower	Upper
41	100		
39	152.9	47.3	70.9#
67	0.0	41.3	61.9#
52	0.0	49.4	74.2#



#43
Isopropyl Acetate
Concen: 20.793 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Tgt Ion:	43	Resp:	1054
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.6#
87	0.0	0.5	0.7#

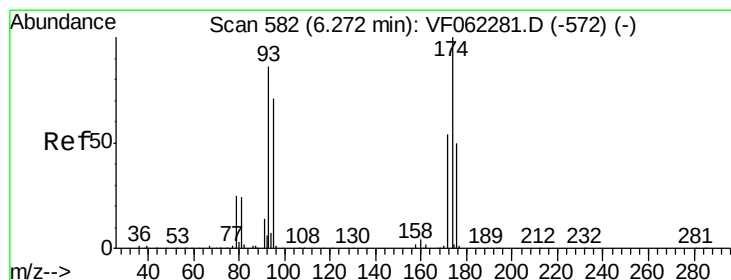
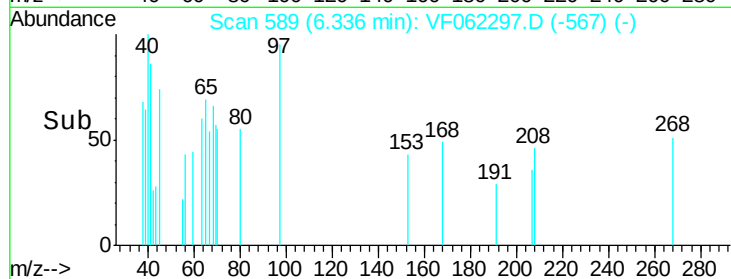
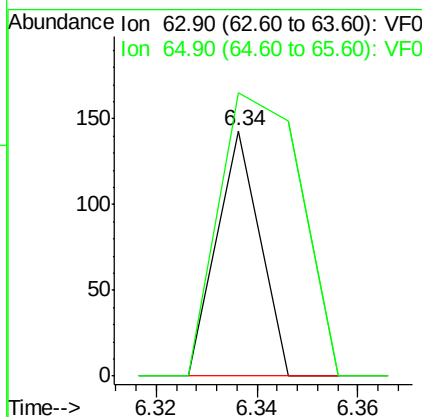
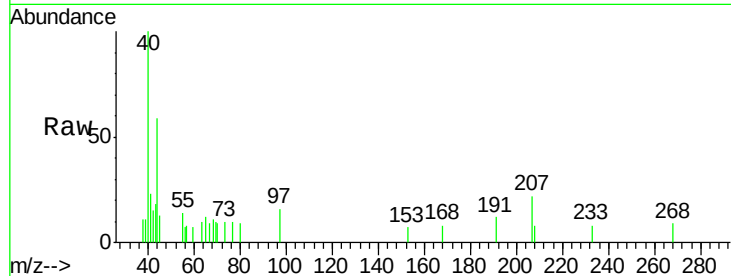




#45
 1,2-Dichloropropane
 Concen: 1.335 ug/l
 RT: 6.34 min Scan# 589
 Delta R.T. -0.08 min
 Lab File: VF062297.D
 Acq: 25 Apr 2019 17:37

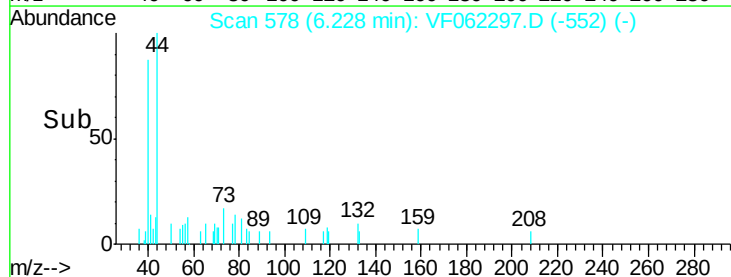
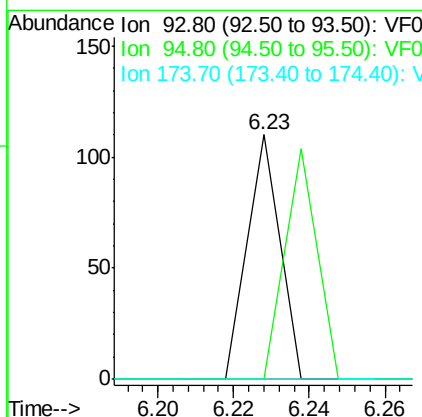
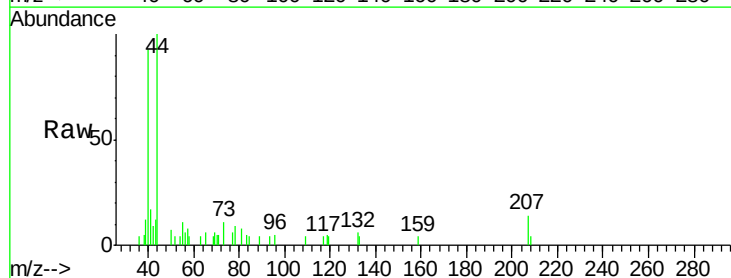
Instrument :
 MSVOA_F
 ClientSampleId :
 C-1_042419RE

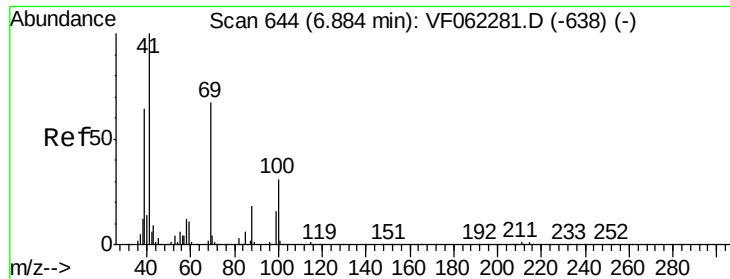
Tot Ion: 63 Resp: 85
 Ion Ratio Lower Upper
 63 100
 65 115.4 23.5 35.3#



#46
 Dibromomethane
 Concen: 1.414 ug/l
 RT: 6.23 min Scan# 578
 Delta R.T. -0.04 min
 Lab File: VF062297.D
 Acq: 25 Apr 2019 17:37

Tgt Ion: 93 Resp: 65
 Ion Ratio Lower Upper
 93 100
 95 95.4 66.2 99.4
 174 0.0 94.9 142.3#

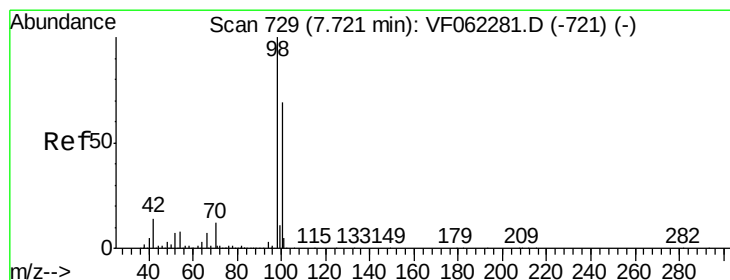
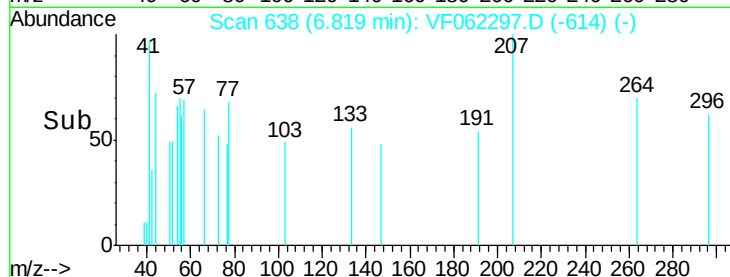
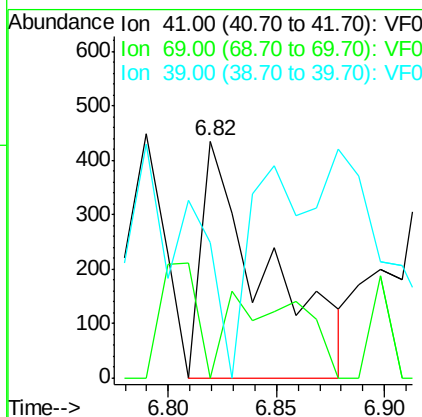
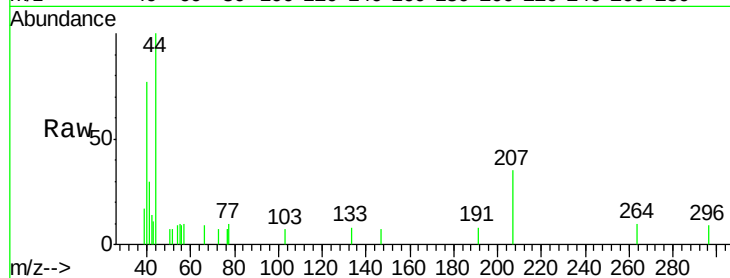




#48
Methyl methacrylate
Concen: 24.842 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.06 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

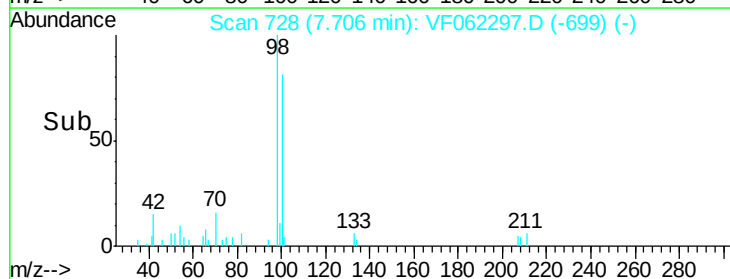
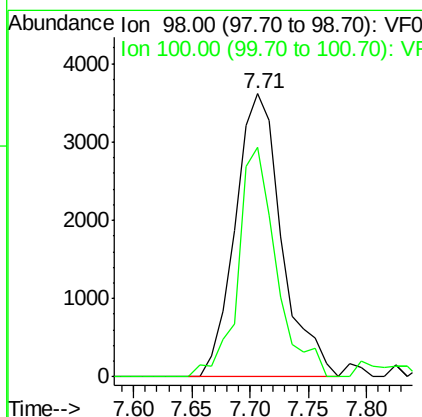
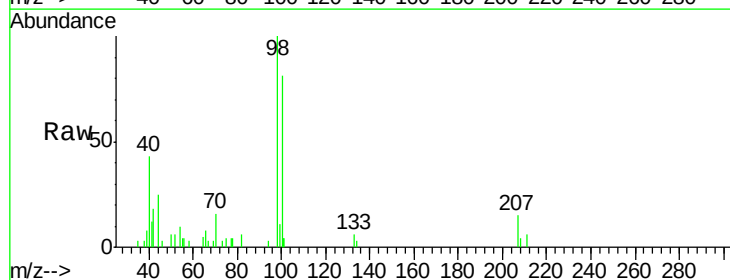
Instrument :
MSVOA_F
ClientSampleId :
C-1_042419RE

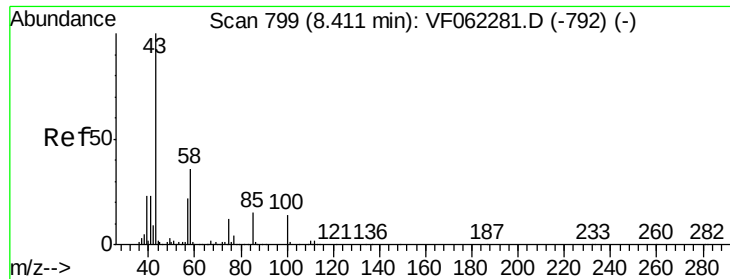
Tot Ion: 41 Resp: 895
Ion Ratio Lower Upper
41 100
69 41.9 53.4 80.2#
39 0.0 50.9 76.3#



#50
Toluene-d8
Concen: 43.606 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Tgt Ion: 98 Resp: 10006
Ion Ratio Lower Upper
98 100
100 66.5 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 10.220 ug/l

RT: 8.34 min Scan# 792

Delta R.T. -0.07 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

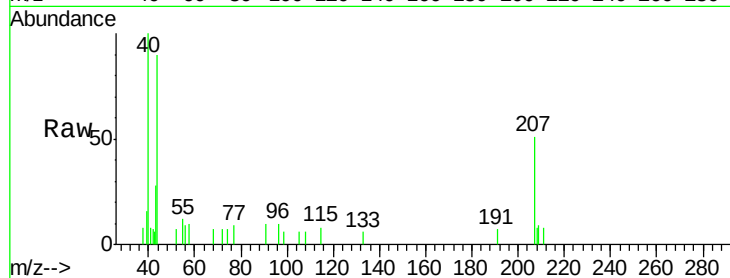
C-1_042419RE

Tot Ion: 43 Resp: 396

Ion Ratio Lower Upper

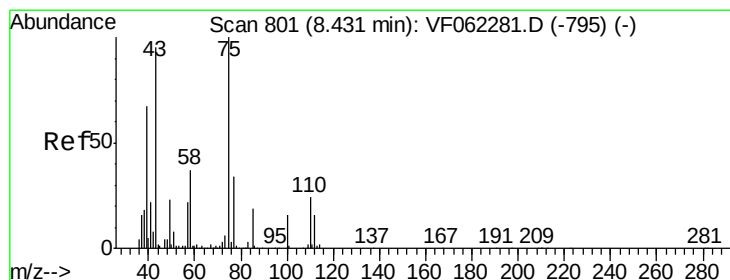
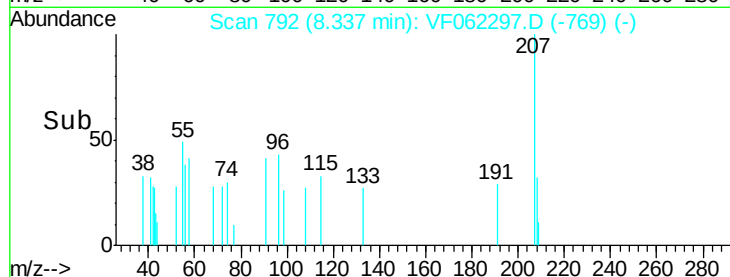
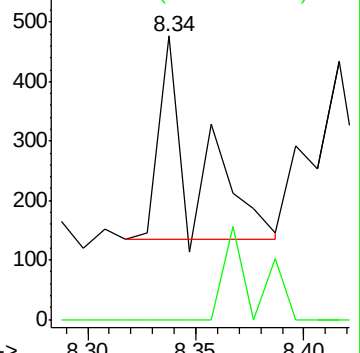
43 100

58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 1.271 ug/l

RT: 8.26 min Scan# 784

Delta R.T. -0.17 min

Lab File: VF062297.D

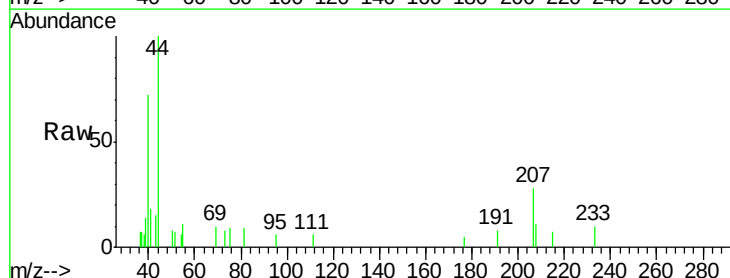
Acq: 25 Apr 2019 17:37

Tgt Ion: 75 Resp: 101

Ion Ratio Lower Upper

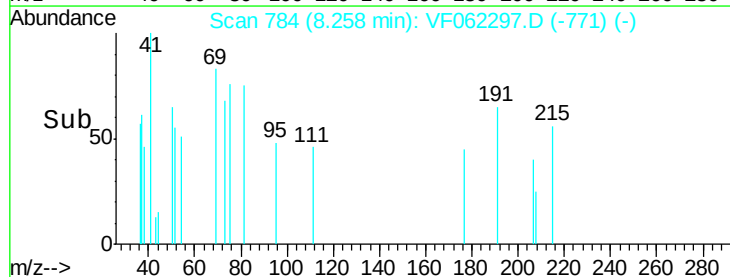
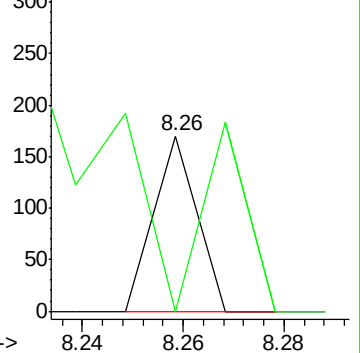
75 100

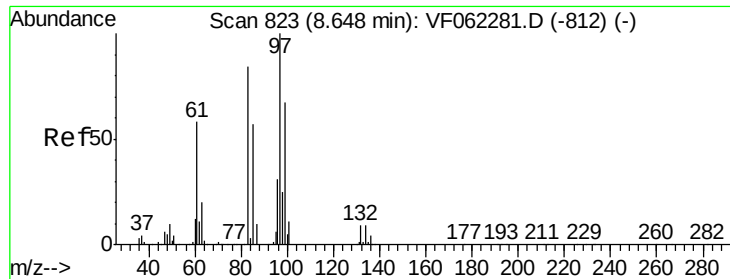
77 0.0 26.9 40.3#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0





#55

1,1,2-Trichloroethane

Concen: 1.318 ug/l

RT: 8.68 min Scan# 827

Delta R.T. 0.03 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

C-1_042419RE

Tot Ion: 97 Resp: 61

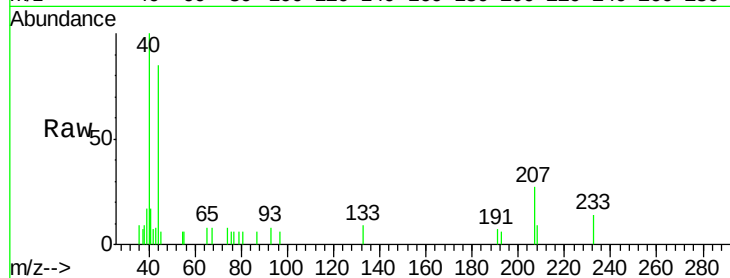
Ion Ratio Lower Upper

97 100

83 0.0 67.5 101.3#

85 0.0 45.3 67.9#

99 0.0 53.4 80.0#

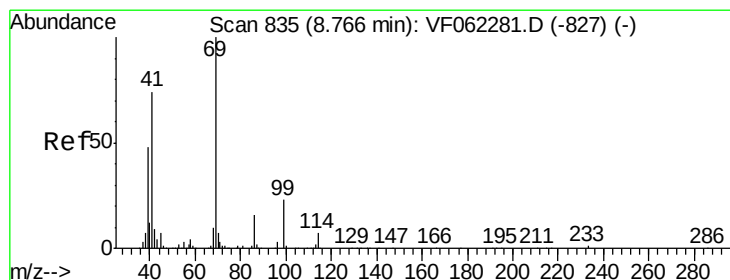
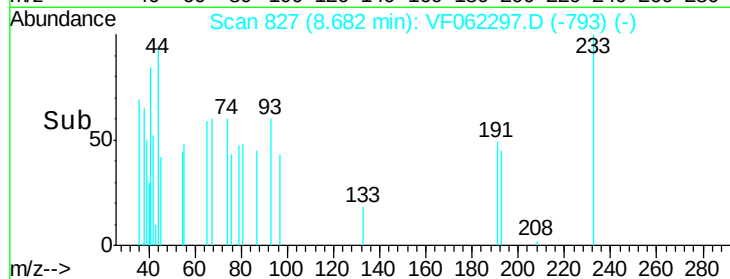
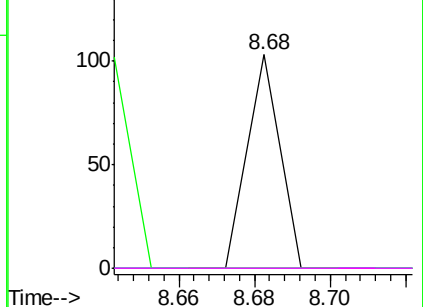


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 1.691 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

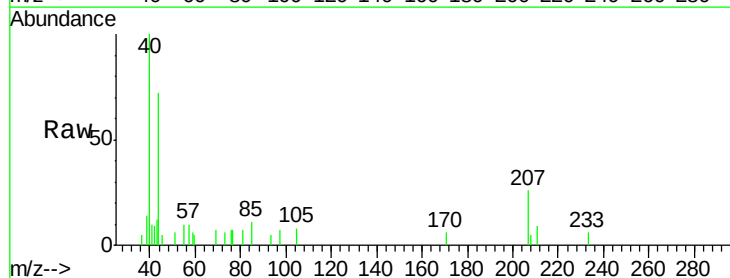
Tgt Ion: 69 Resp: 86

Ion Ratio Lower Upper

69 100

41 459.3 61.5 92.3#

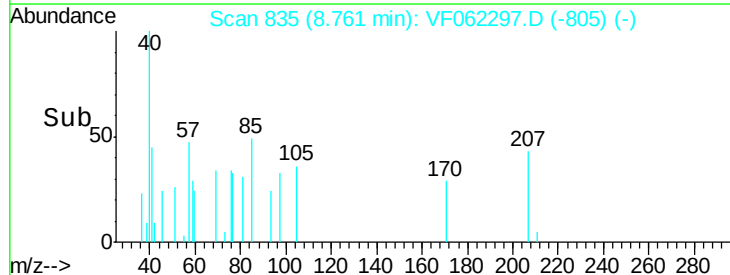
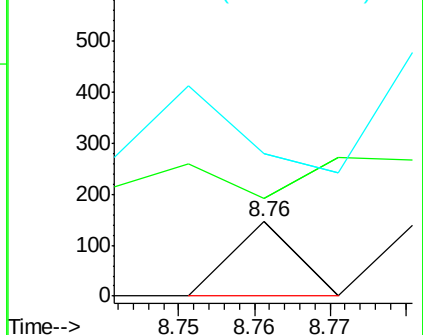
39 831.4 37.9 56.9#

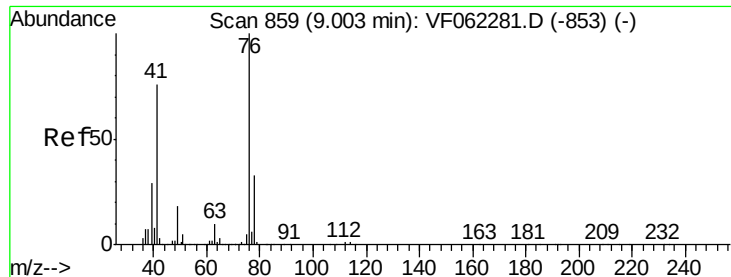


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 1.141 ug/l

RT: 8.81 min Scan# 840

Delta R.T. -0.19 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

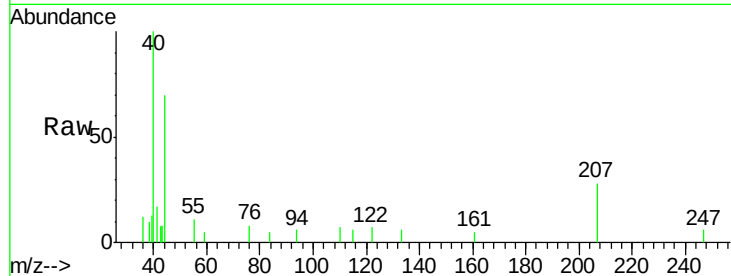
C-1_042419RE

Tot Ion: 76 Resp: 83

Ion Ratio Lower Upper

76 100

78 0.0 27.0 40.6#



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

200

150

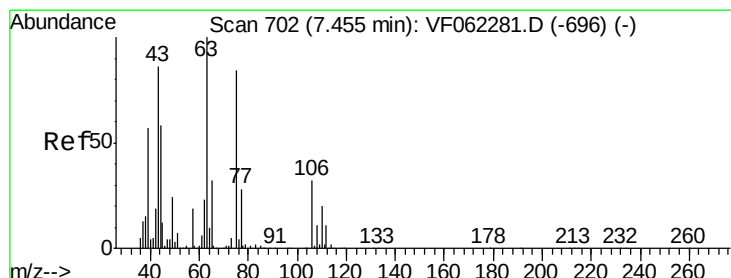
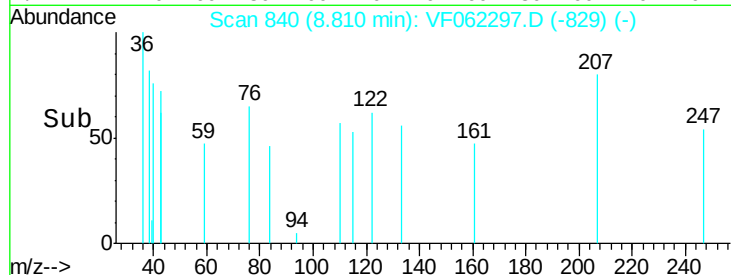
100

50

0

8.78 8.80 8.82 8.84

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 5.171 ug/l

RT: 7.40 min Scan# 697

Delta R.T. -0.05 min

Lab File: VF062297.D

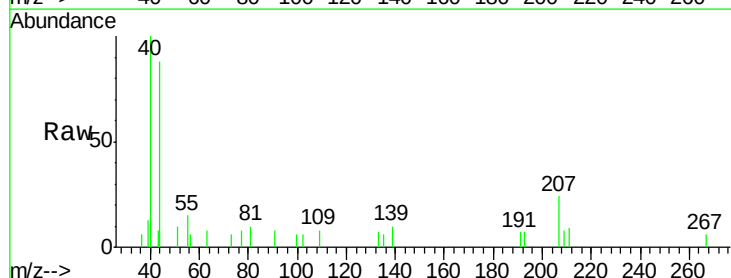
Acq: 25 Apr 2019 17:37

Tgt Ion: 63 Resp: 80

Ion Ratio Lower Upper

63 100

106 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

150

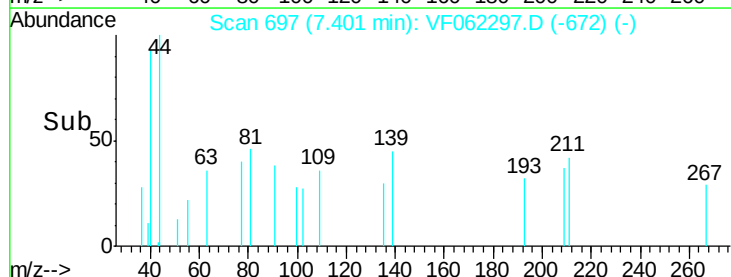
100

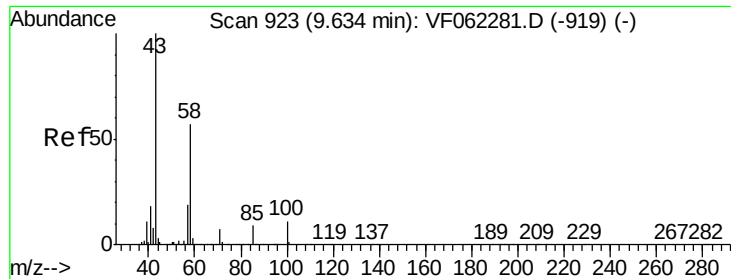
50

0

7.38 7.40 7.42

Time-->

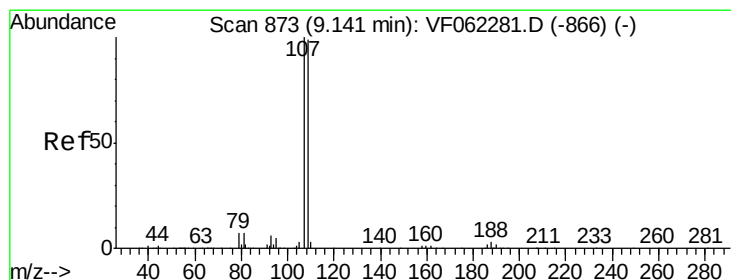
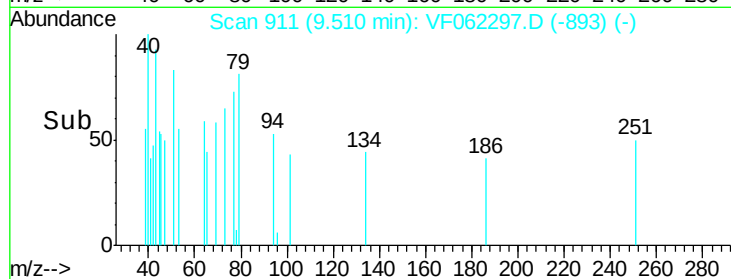
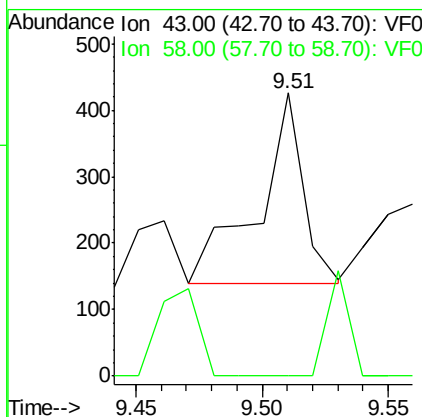
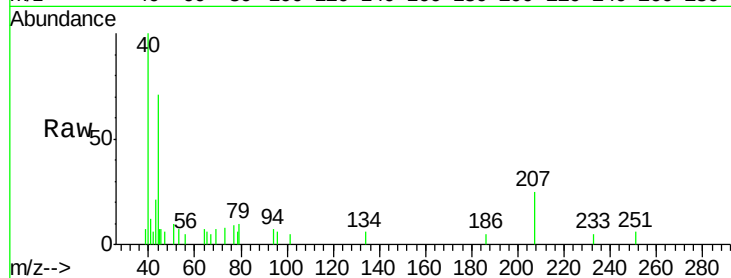




#59
 2-Hexanone
 Concen: 1.181 ug/l
 RT: 9.51 min Scan# 911
 Delta R.T. -0.12 min
 Lab File: VF062297.D
 Acq: 25 Apr 2019 17:37

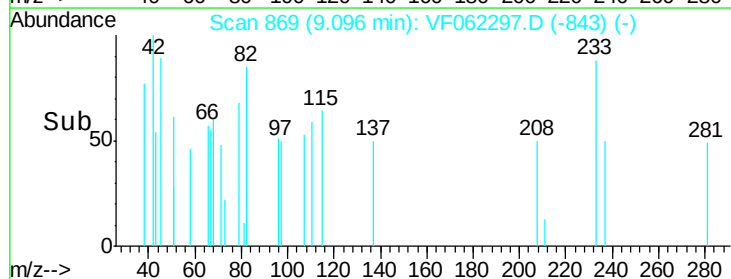
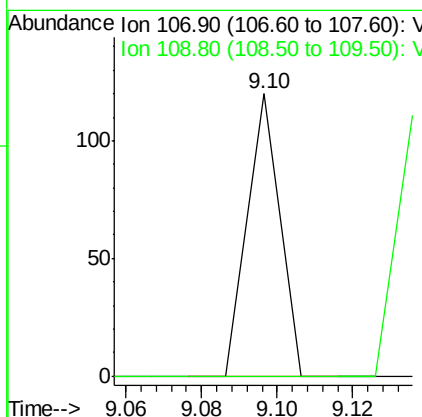
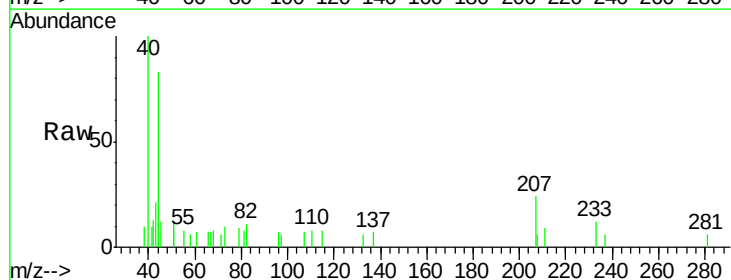
Instrument :
 MSVOA_F
 ClientSampleId :
 C-1_042419RE

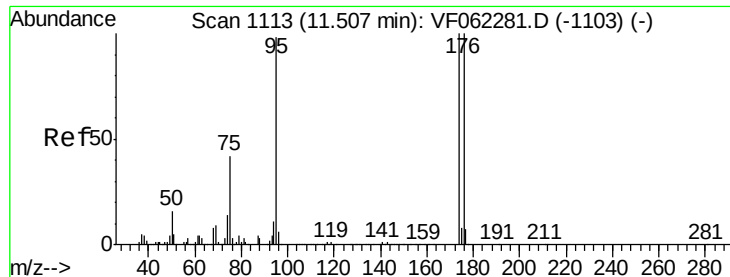
Tot Ion: 43 Resp: 362
 Ion Ratio Lower Upper
 43 100
 58 25.7 24.9 74.7



#61
 1,2-Dibromoethane
 Concen: 1.325 ug/l
 RT: 9.10 min Scan# 869
 Delta R.T. -0.04 min
 Lab File: VF062297.D
 Acq: 25 Apr 2019 17:37

Tgt Ion: 107 Resp: 71
 Ion Ratio Lower Upper
 107 100
 109 0.0 78.7 118.1#

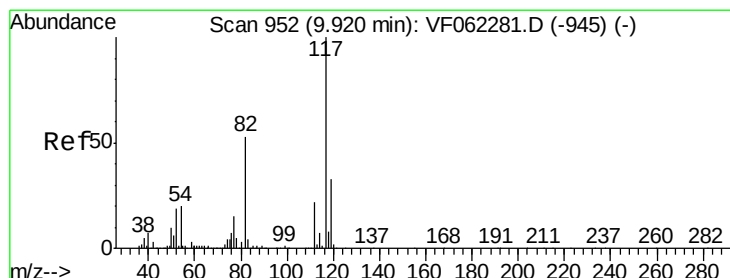
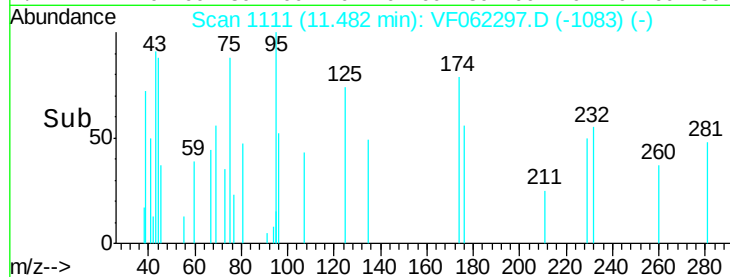
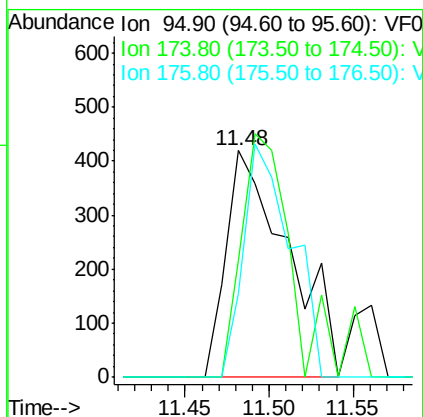
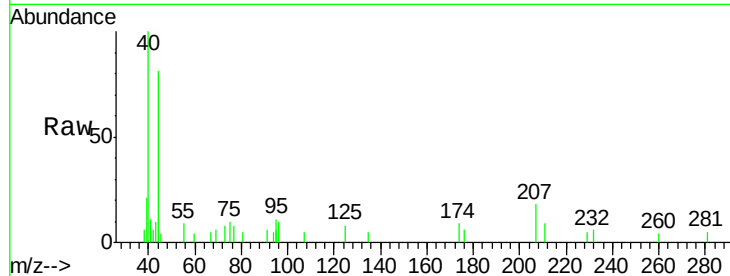




#62
4-Bromofluorobenzene
Concen: 11.334 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

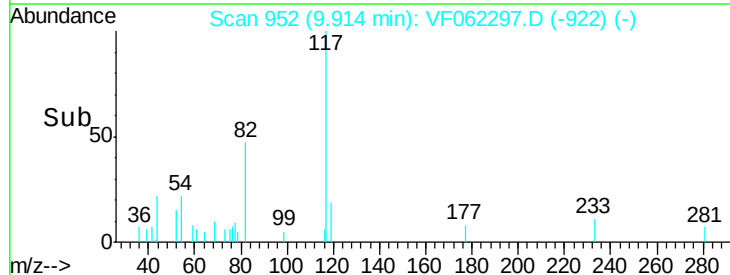
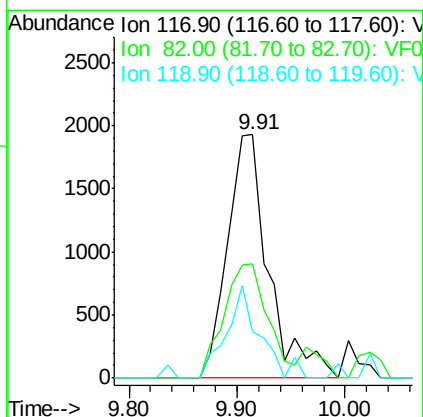
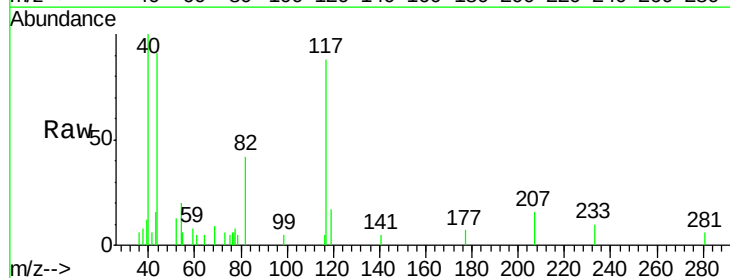
Instrument :
MSVOA_F
ClientSampleId :
C-1_042419RE

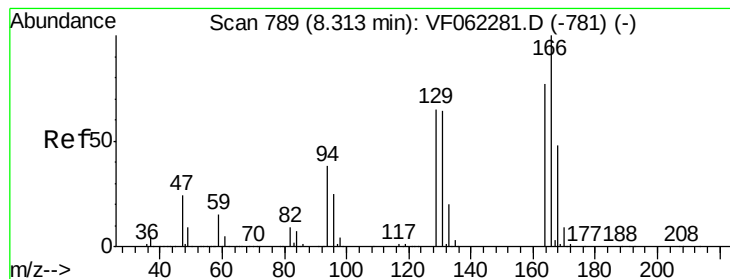
Tot Ion: 95 Resp: 1072
Ion Ratio Lower Upper
95 100
174 90.1 0.0 185.2
176 79.3 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Tgt Ion: 117 Resp: 5102
Ion Ratio Lower Upper
117 100
82 47.2 42.6 64.0
119 19.2 26.1 39.1#





#64

Tetrachloroethene

Concen: 1.453 ug/l

RT: 8.50 min Scan# 808

Delta R.T. 0.18 min

Lab File: VF062297.D

Acq: 25 Apr 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

C-1_042419RE

Tot Ion:164 Resp: 62

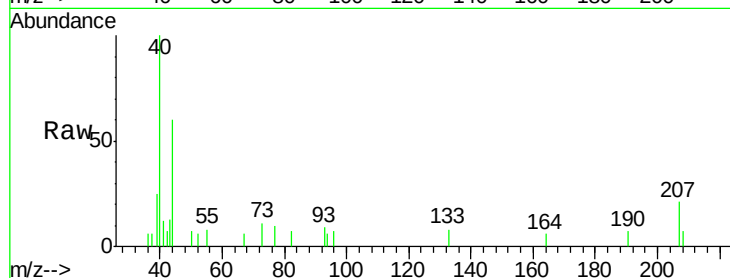
Ion Ratio Lower Upper

164 100

166 0.0 103.5 155.3#

129 0.0 67.6 101.4#

131 0.0 66.1 99.1#

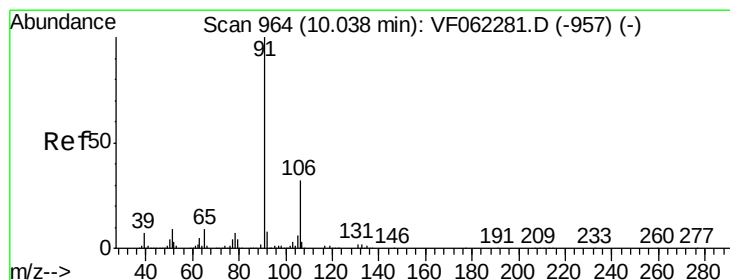
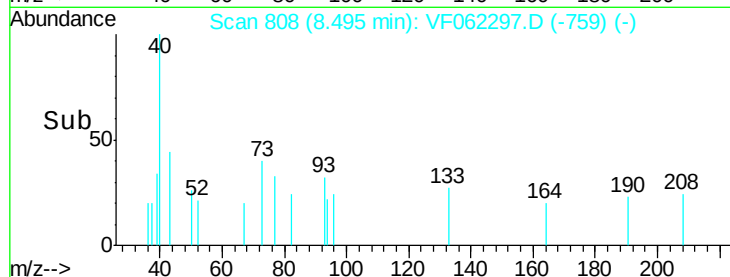
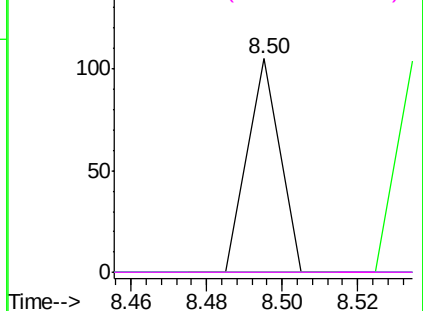


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 1.006 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062297.D

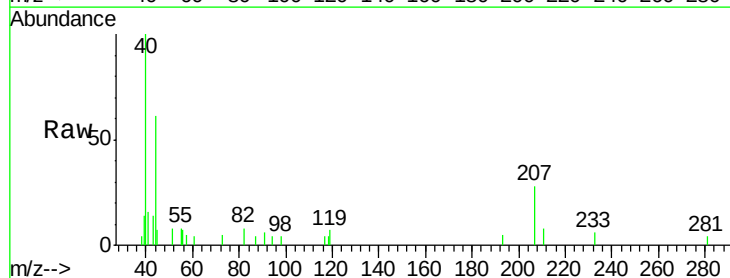
Acq: 25 Apr 2019 17:37

Tgt Ion: 91 Resp: 163

Ion Ratio Lower Upper

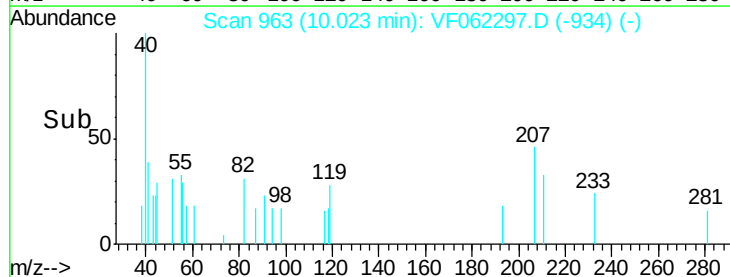
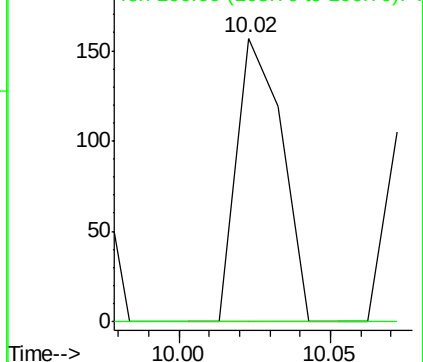
91 100

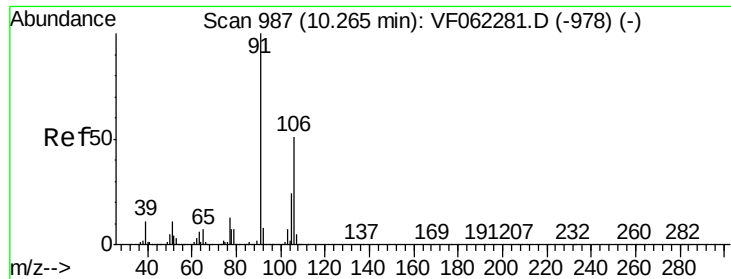
106 0.0 25.6 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

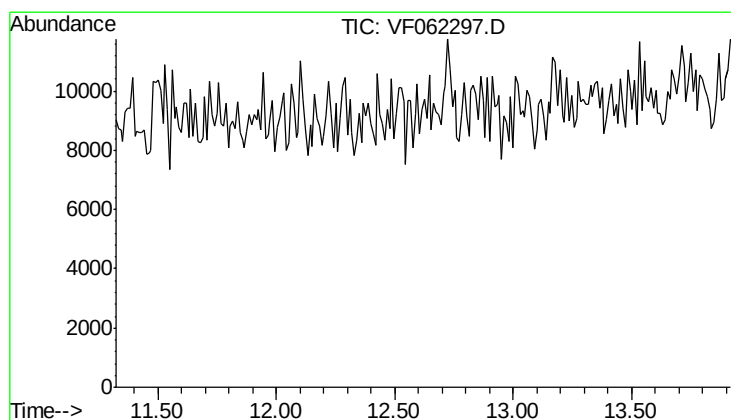
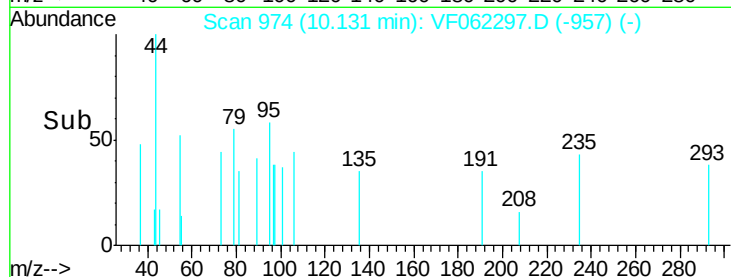
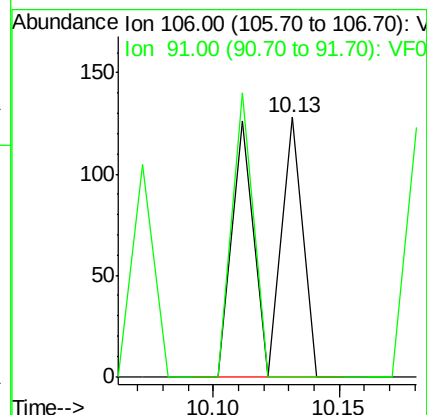
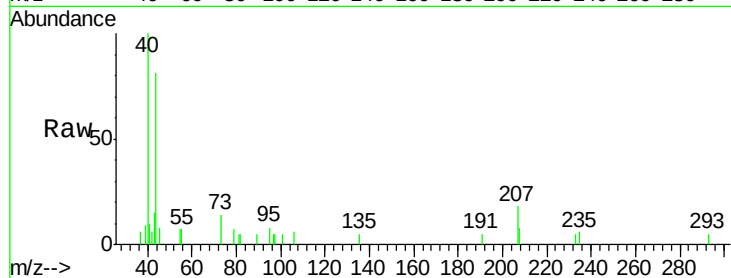




#68
m/p-Xvlenes
Concen: 2.486 ug/l
RT: 10.13 min Scan# 974
Delta R.T. -0.13 min
Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
C-1_042419RE

Tot Ion:106 Resp: 150
Ion Ratio Lower Upper
106 100
91 55.3 158.3 237.5#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.62 min

Lab File: VF062297.D
Acq: 25 Apr 2019 17:37

Tgt Ion: 152
Sig Exp Ratio
152 100
115 51.2
150 165.3

