

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061933.D
 Acq On : 13 Mar 2019 17:53
 Operator : VA/AP
 Sample : K1693-05
 Misc : 7.60q/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-031219-A

Quant Time: Mar 14 01:17:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	83	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	538	50.00	ug/l	-0.03
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.78
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	76	125.74	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	251.48%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.53	98	199	17.83	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	35.66%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.92	85	84	82.434	ug/l #	47
3) Chloromethane	1.10	50	195	197.458	ug/l #	45
5) Bromomethane	1.34	94	1541	2411.959	ug/l #	28
6) Chloroethane	1.37	64	91	204.207	ug/l #	20
8) Diethyl Ether	1.76	74	62	238.123	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.76	101	60	77.167	ug/l #	21
11) Tert butyl alcohol	2.66	59	81	2360.987	ug/l #	1
12) 1,1-Dichloroethene	1.81	96	80	112.700	ug/l #	1
13) Acrolein	1.93	56	674	15504.332	ug/l	95
14) Allyl chloride	2.09	41	447	571.596	ug/l #	73
15) Acrylonitrile	2.93	53	60	549.226	ug/l #	1
16) Acetone	2.22	43	1029	8127.094	ug/l	94
17) Carbon Disulfide	1.80	76	79	35.753	ug/l #	70
18) Methyl Acetate	2.32	43	704	700.507	ug/l #	62
19) Methyl tert-butyl Ether	2.40	73	83	69.119	ug/l #	56
20) Methylene Chloride	2.25	84	71	106.954	ug/l #	7
21) trans-1,2-Dichloroethene	2.32	96	151	226.020	ug/l #	1
22) Diisopropyl ether	2.80	45	707	347.551	ug/l #	1
23) Vinyl Acetate	3.14	43	505	555.701	ug/l #	76
24) 1,1-Dichloroethane	2.79	63	95	78.133	ug/l #	85
25) 2-Butanone	4.31	43	188	729.974	ug/l #	56
26) 2,2-Dichloropropane	3.43	77	62	114.226	ug/l #	1
29) Tetrahydrofuran	4.02	42	78	702.256	ug/l #	33
30) Chloroform	3.93	83	123	88.566	ug/l #	15
31) Cyclohexane	3.68	56	75	58.892	ug/l #	15
36) 1,1-Dichloropropene	4.23	75	76	14.955	ug/l #	41
37) Ethyl Acetate	4.12	43	165	77.353	ug/l #	20
40) Benzene	4.59	78	63	4.743	ug/l #	51
41) Methacrylonitrile	4.73	41	103	88.132	ug/l #	35
43) Isopropyl Acetate	6.93	43	135	51.343	ug/l #	42
45) 1,2-Dichloropropane	6.30	63	64	20.261	ug/l #	45
48) Methyl methacrylate	6.66	41	393	236.167	ug/l #	18
51) 4-Methyl-2-Pentanone	8.19	43	257	141.421	ug/l #	35
52) Toluene	7.61	92	83	10.562	ug/l #	70

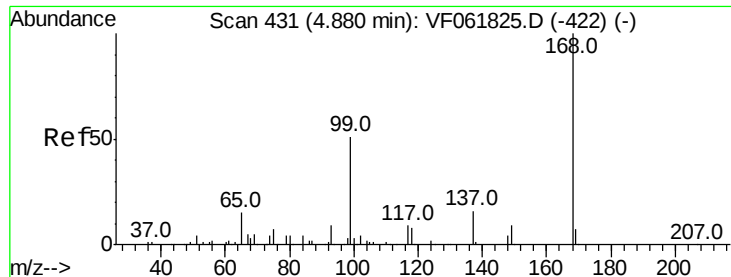
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031319\
Data File : VF061933.D
Acq On : 13 Mar 2019 17:53
Operator : VA/AP
Sample : K1693-05
Misc : 7.60g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OR-02-031219-A

Quant Time: Mar 14 01:17:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Ethyl methacrylate	8.53	69	100	39.189	ug/l #	24
59) 2-Hexanone	9.45	43	127	96.872	ug/l #	22

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

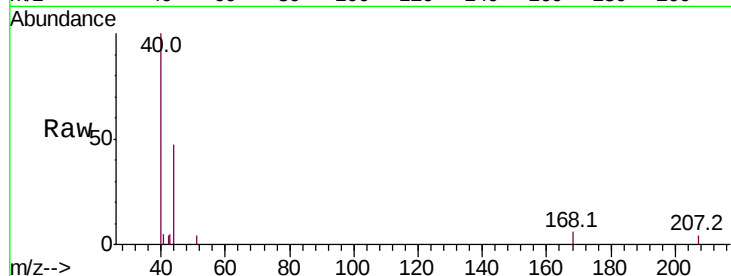
OR-02-031219-A

Tot Ion:168 Resp: 83

Ion Ratio Lower Upper

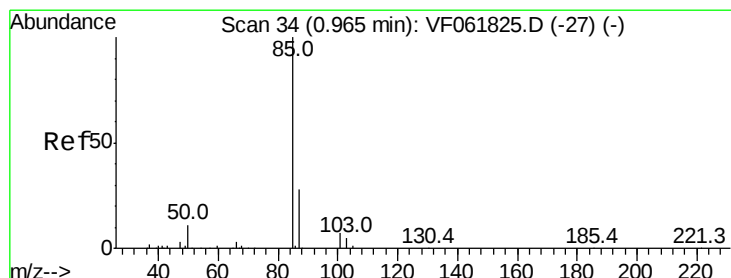
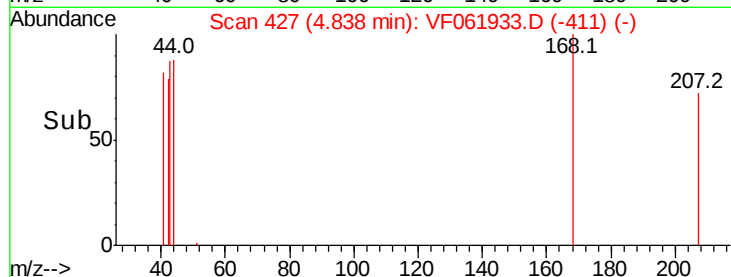
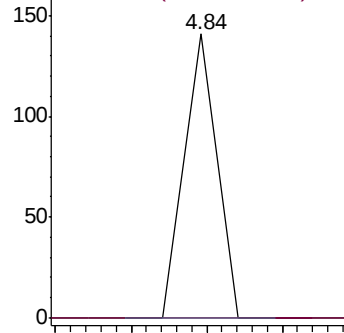
168 100

99 0.0 40.8 61.2#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 82.434 ug/l

RT: 0.92 min Scan# 30

Delta R.T. -0.04 min

Lab File: VF061933.D

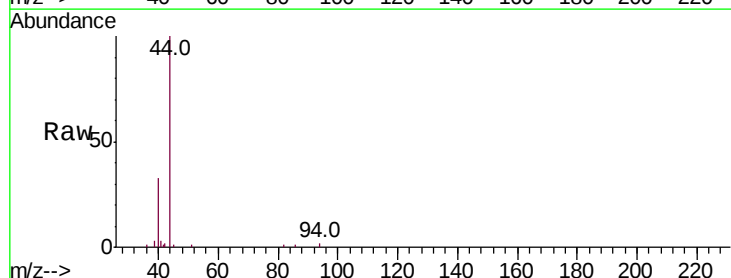
Acq: 13 Mar 2019 17:53

Tgt Ion: 85 Resp: 84

Ion Ratio Lower Upper

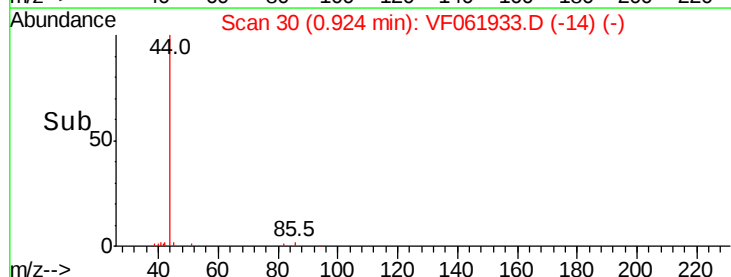
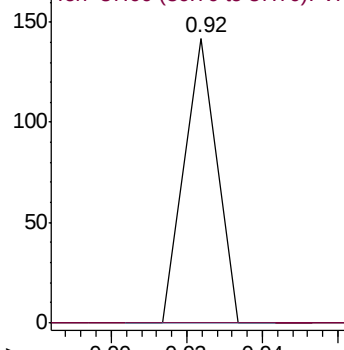
85 100

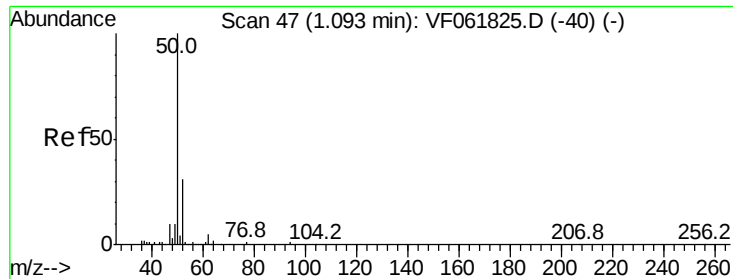
87 0.0 14.1 42.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 197.458 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

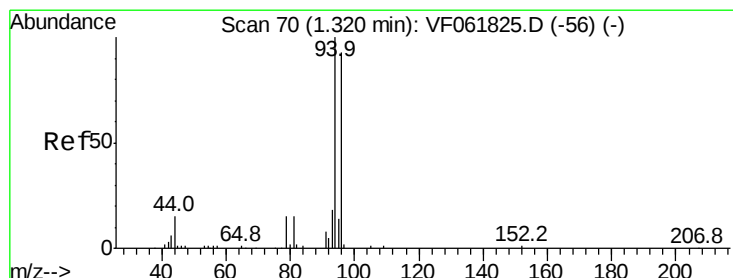
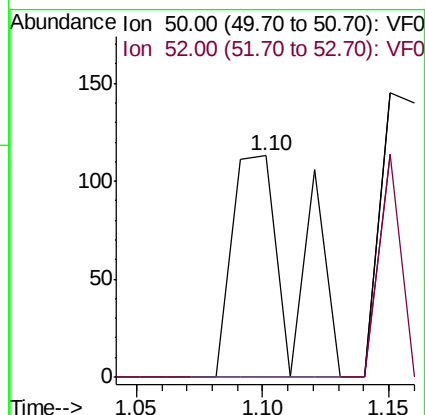
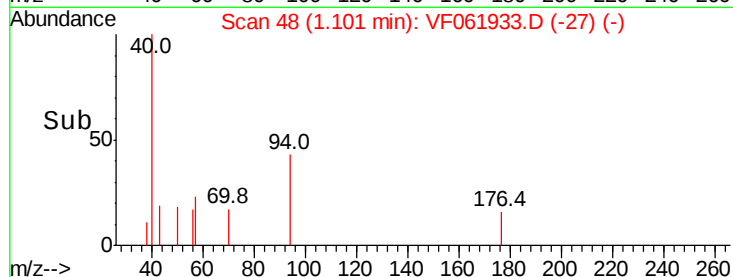
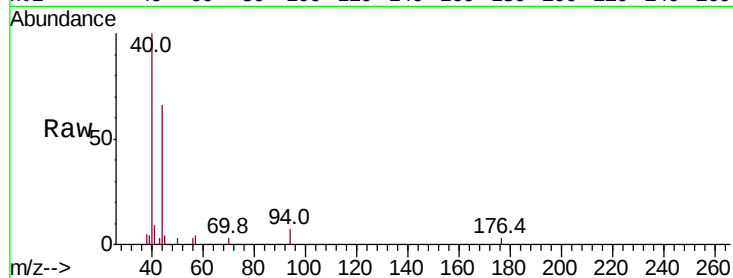
OR-02-031219-A

Tot Ion: 50 Resp: 195

Ion Ratio Lower Upper

50 100

52 0.0 23.8 35.8#



#5

Bromomethane

Concen: 2411.959 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.02 min

Lab File: VF061933.D

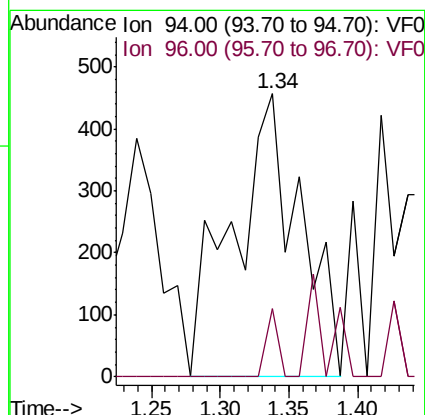
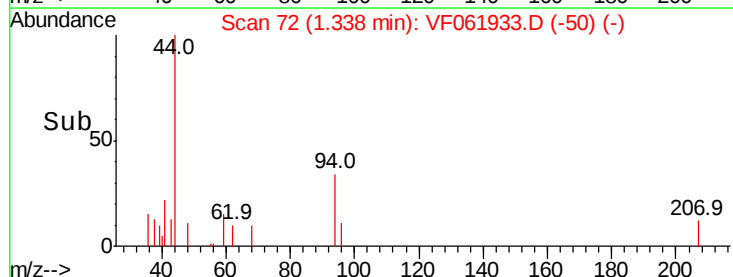
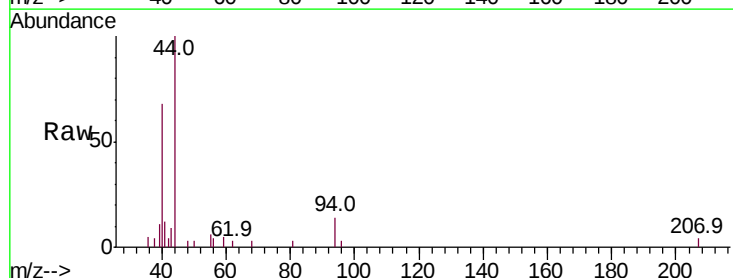
Acq: 13 Mar 2019 17:53

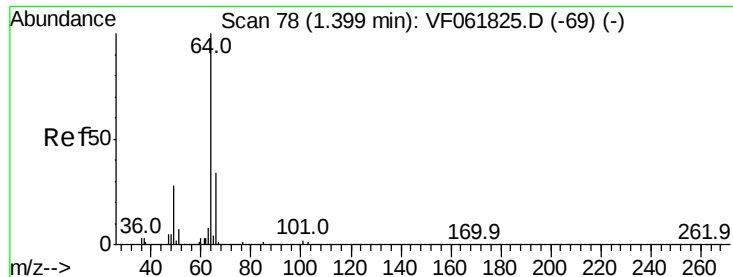
Tgt Ion: 94 Resp: 1541

Ion Ratio Lower Upper

94 100

96 24.3 75.2 112.8#





#6

Chloroethane

Concen: 204.207 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.03 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

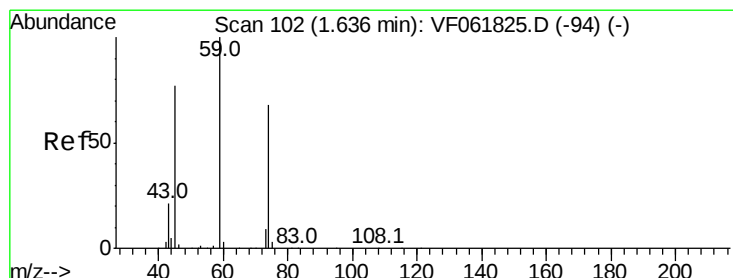
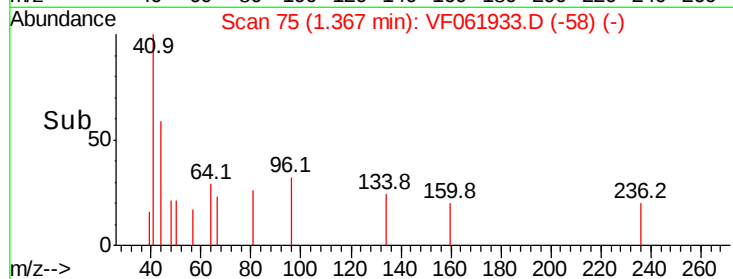
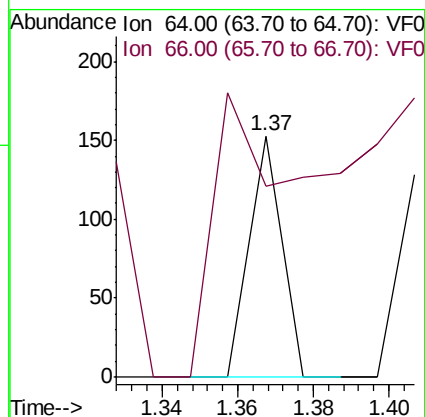
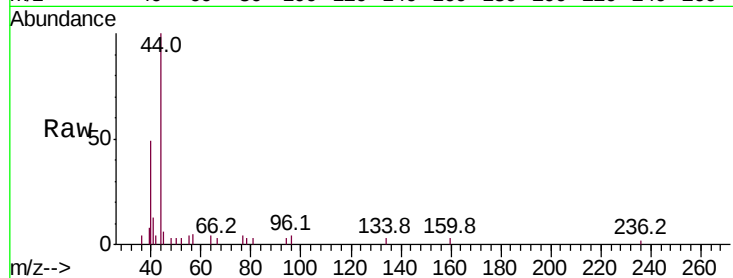
OR-02-031219-A

Tot Ion: 64 Resp: 91

Ion Ratio Lower Upper

64 100

66 79.1 27.0 40.4#



#8

Diethyl Ether

Concen: 238.123 ug/l

RT: 1.76 min Scan# 115

Delta R.T. 0.13 min

Lab File: VF061933.D

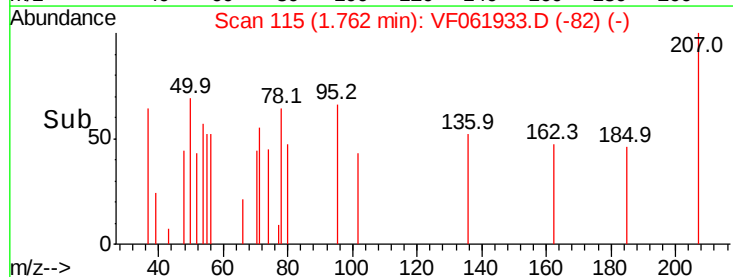
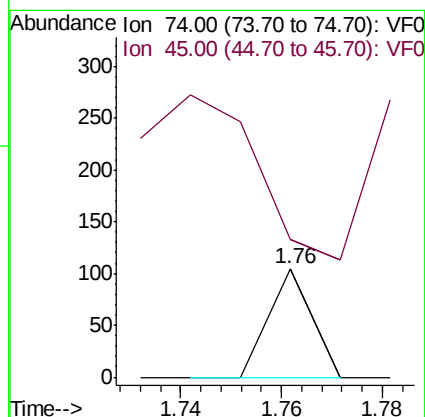
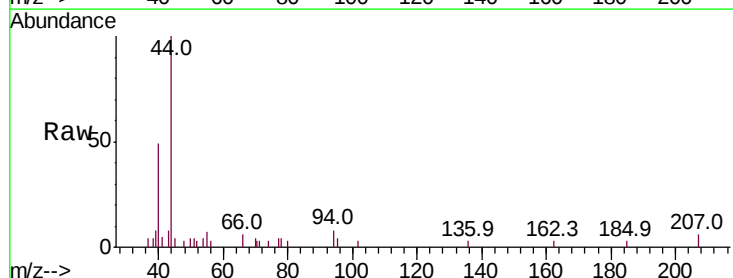
Acq: 13 Mar 2019 17:53

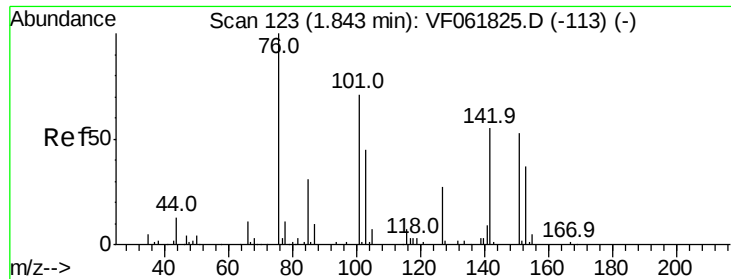
Tgt Ion: 74 Resp: 62

Ion Ratio Lower Upper

74 100

45 126.7 57.2 171.6

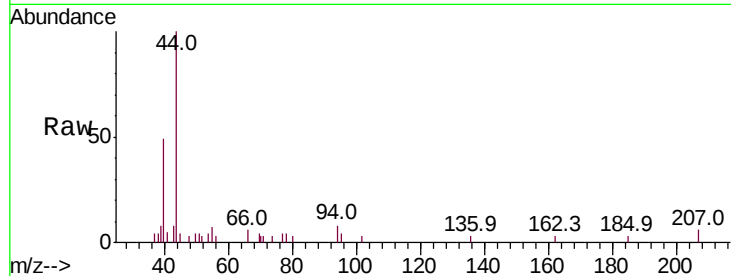




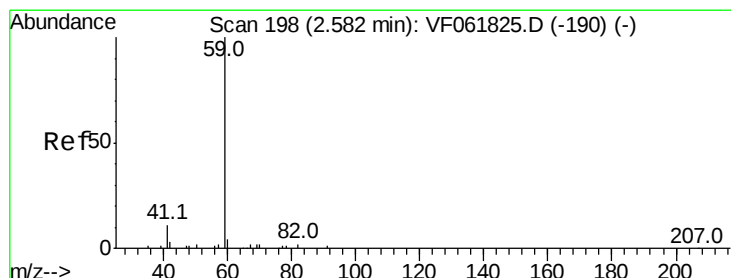
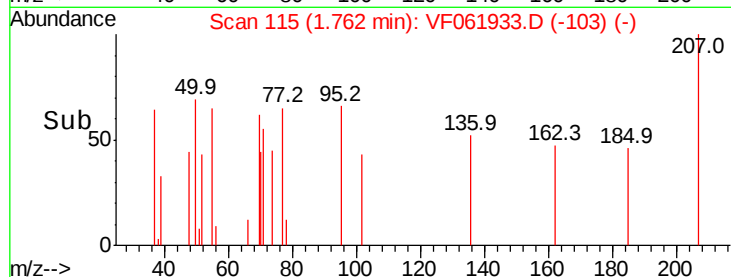
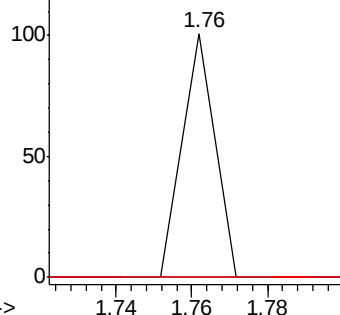
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 77.167 ug/l
 RT: 1.76 min Scan# 115
 Delta R.T. -0.08 min
 Lab File: VF061933.D
 Acq: 13 Mar 2019 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-031219-A

Tot Ion:101 Resp: 60
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.0 51.0#
 151 0.0 57.3 85.9#

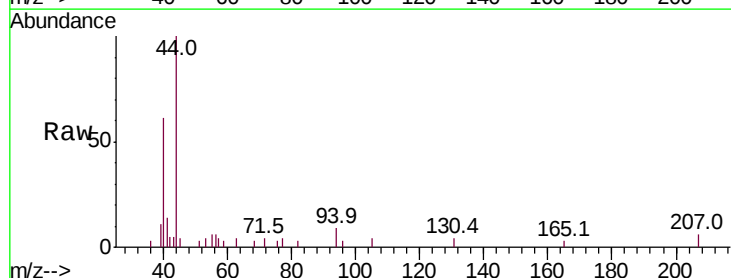


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VF0
 Ion 151.00 (150.70 to 151.70): V

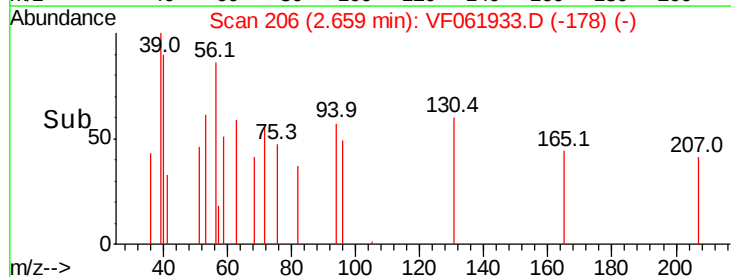
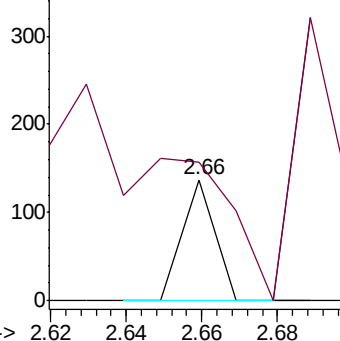


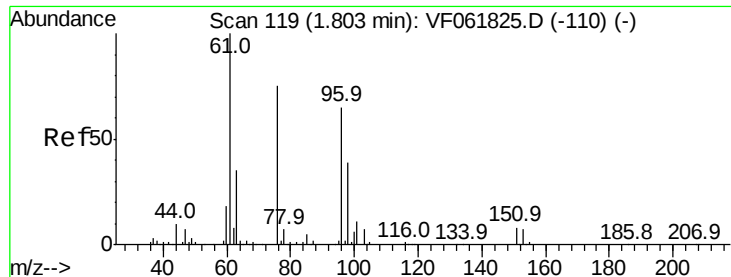
#11
 Tert butyl alcohol
 Concen: 2360.987 ug/l
 RT: 2.66 min Scan# 206
 Delta R.T. 0.08 min
 Lab File: VF061933.D
 Acq: 13 Mar 2019 17:53

Tgt Ion: 59 Resp: 81
 Ion Ratio Lower Upper
 59 100
 57 114.6 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0
 Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 112.700 ug/l

RT: 1.81 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

OR-02-031219-A

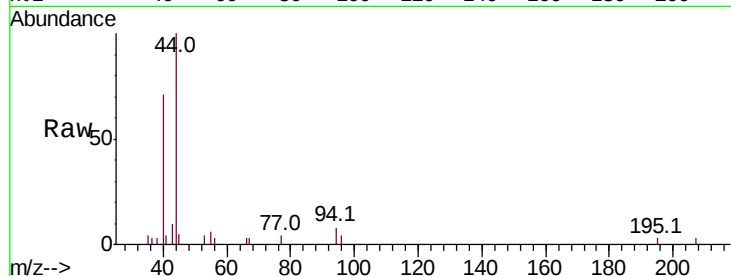
Tot Ion: 96 Resp: 80

Ion Ratio Lower Upper

96 100

61 0.0 122.5 183.7#

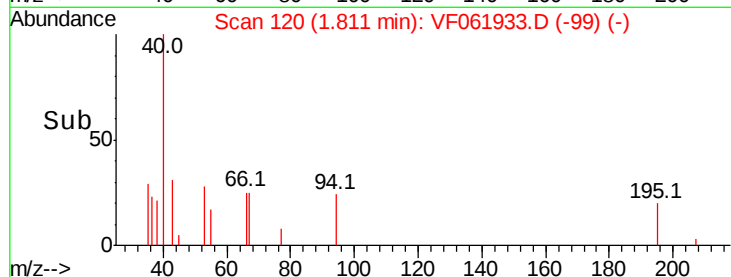
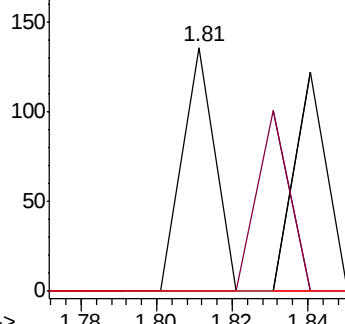
98 0.0 47.1 70.7#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 15504.332 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.08 min

Lab File: VF061933.D

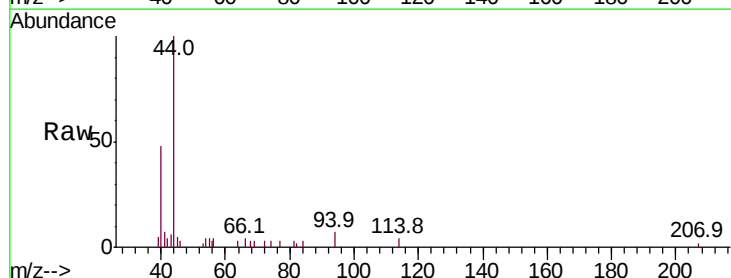
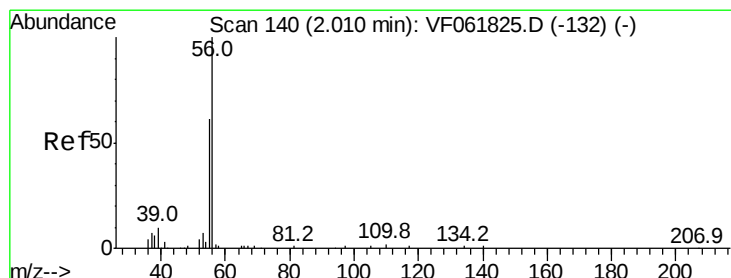
Acq: 13 Mar 2019 17:53

Tgt Ion: 56 Resp: 674

Ion Ratio Lower Upper

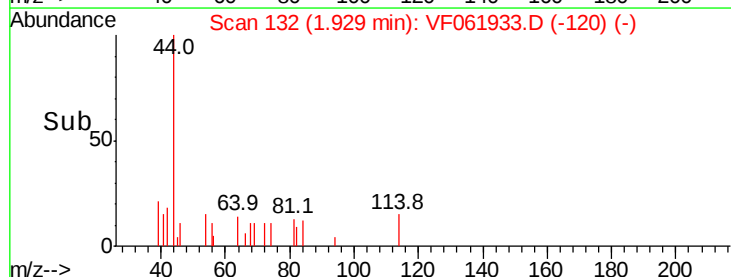
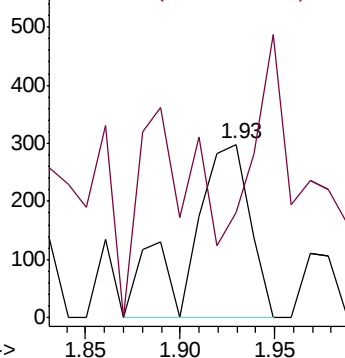
56 100

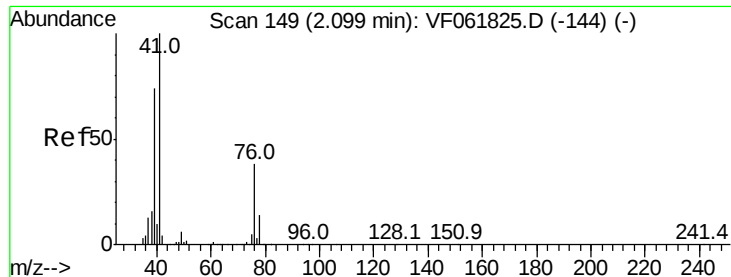
55 60.4 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 571.596 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

OR-02-031219-A

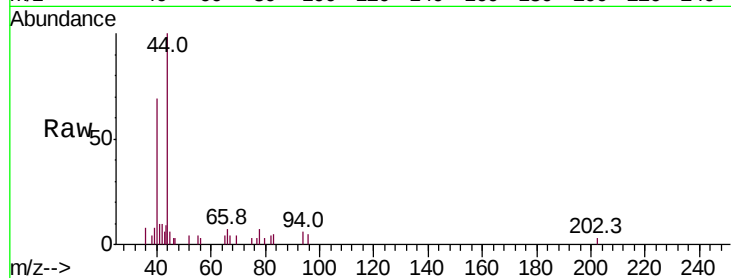
Tot Ion: 41 Resp: 447

Ion Ratio Lower Upper

41 100

39 80.2 59.6 89.4

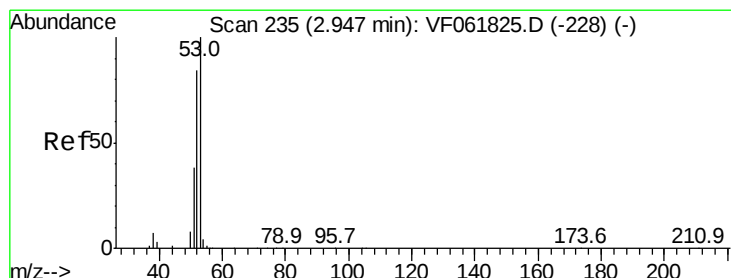
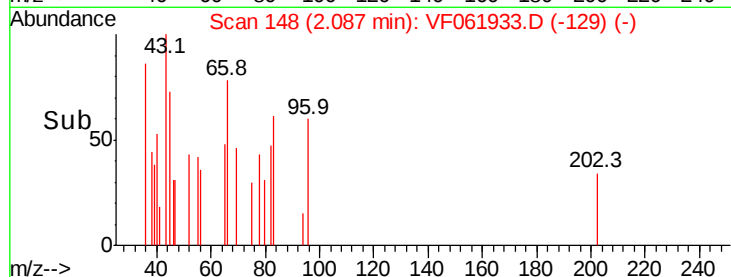
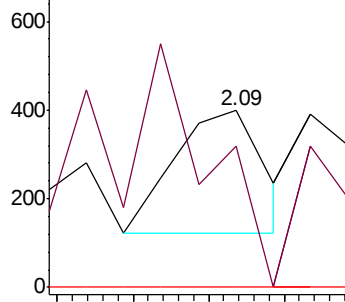
76 0.0 32.3 48.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 549.226 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

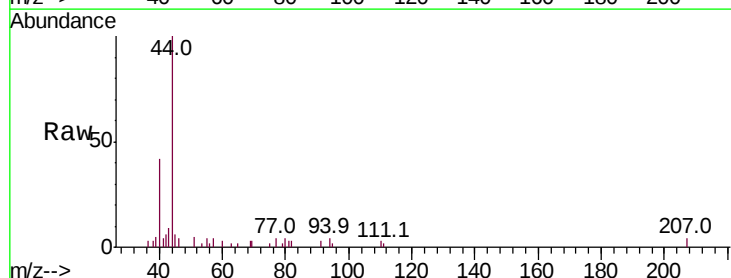
Tgt Ion: 53 Resp: 60

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

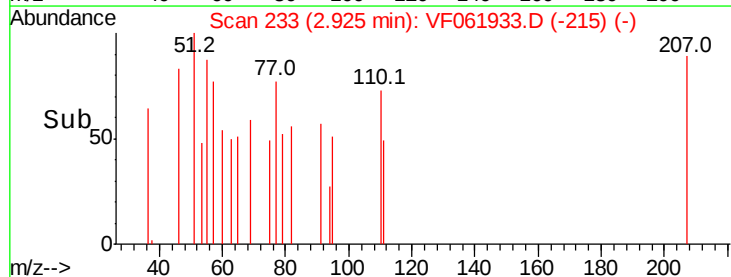
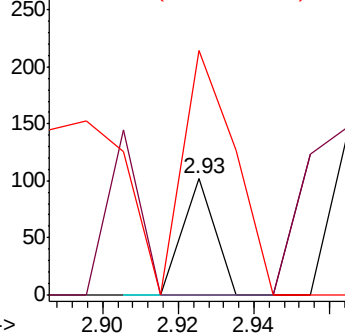
51 209.8 30.7 46.1#

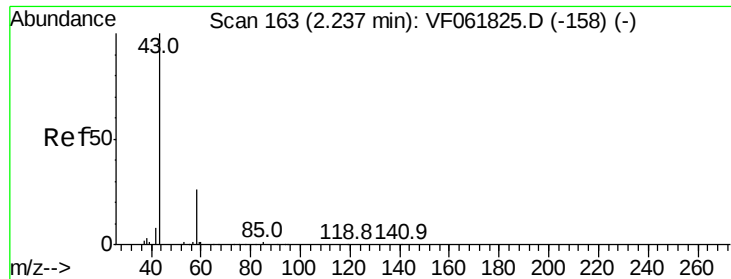


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

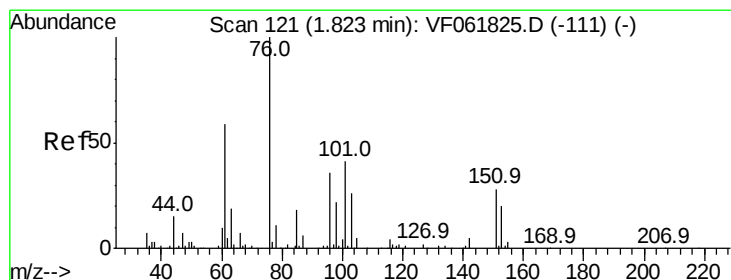
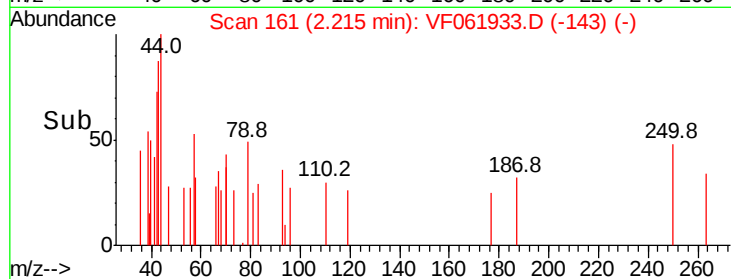
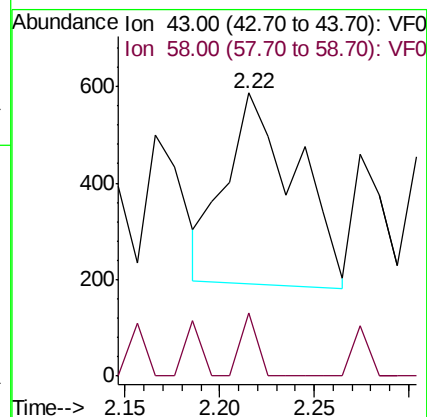
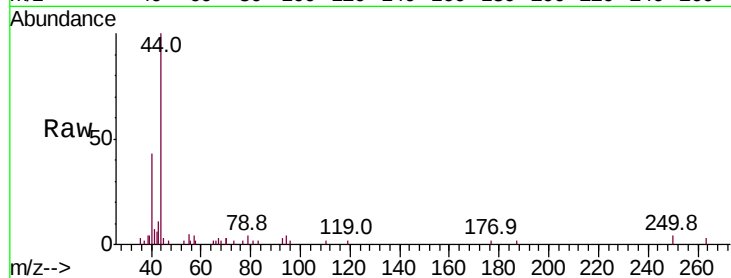




#16
Acetone
Concen: 8127.094 ug/l
RT: 2.22 min Scan# 161
Delta R.T. -0.02 min
Lab File: VF061933.D
Acq: 13 Mar 2019 17:53

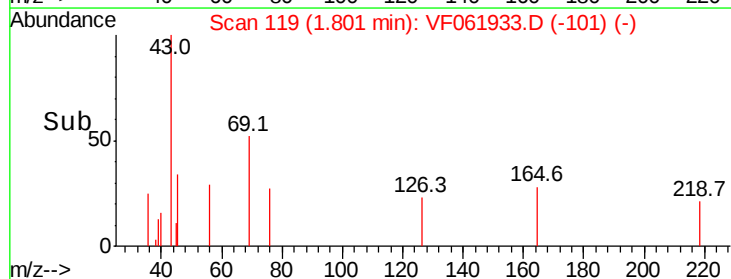
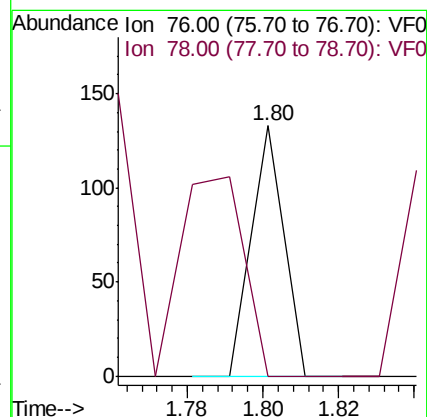
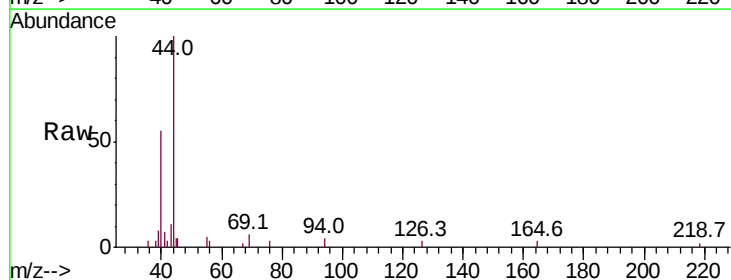
Instrument :
MSVOA_F
ClientSampleId :
OR-02-031219-A

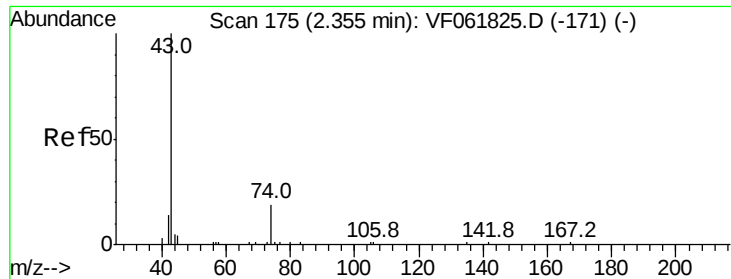
Tot Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
58 22.5 20.3 30.5



#17
Carbon Disulfide
Concen: 35.753 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061933.D
Acq: 13 Mar 2019 17:53

Tgt Ion: 76 Resp: 79
Ion Ratio Lower Upper
76 100
78 0.0 9.1 13.7#





#18

Methyl Acetate

Concen: 700.507 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.03 min

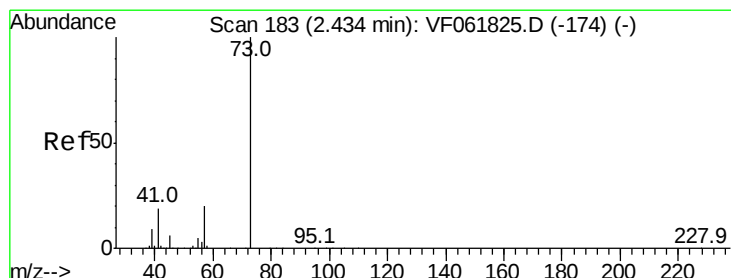
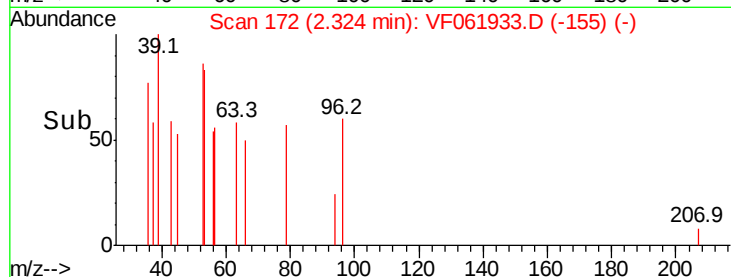
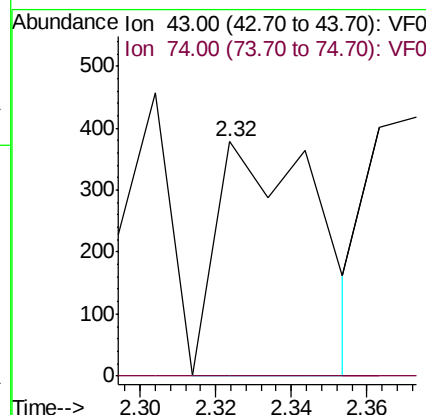
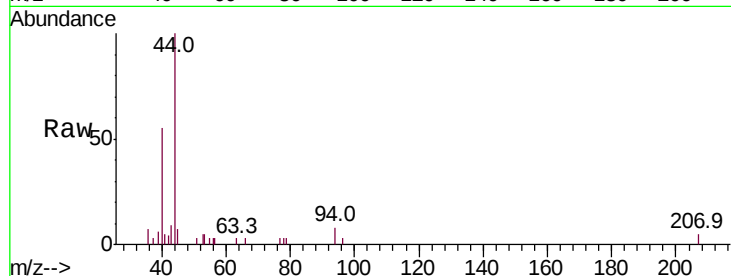
Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
OR-02-031219-A

Tot Ion: 43 Resp: 704

Ion	Ratio	Lower	Upper
43	100		
74	0.0	13.2	19.8#



#19

Methyl tert-butyl Ether

Concen: 69.119 ug/l

RT: 2.40 min Scan# 180

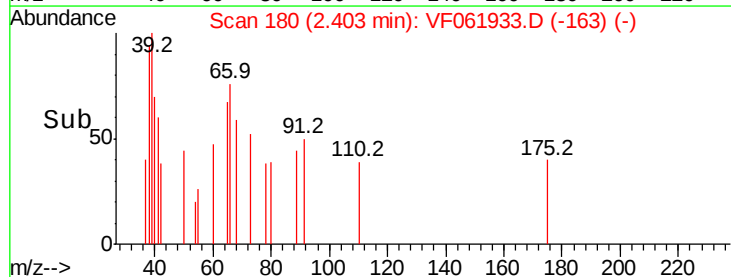
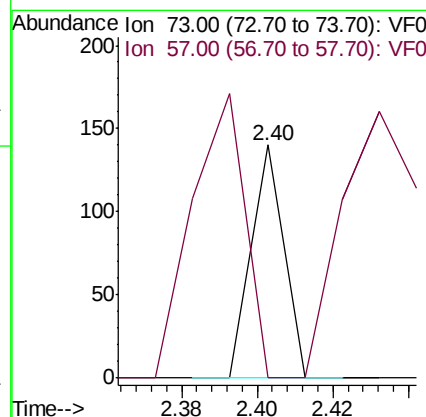
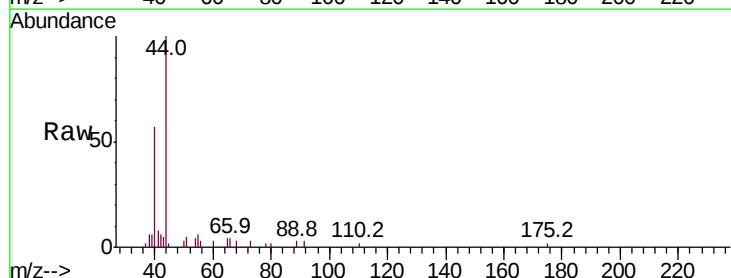
Delta R.T. -0.03 min

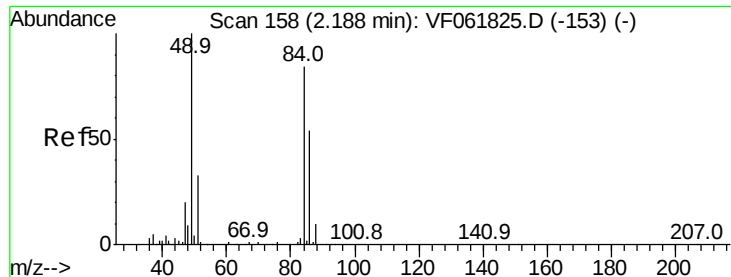
Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Tgt Ion: 73 Resp: 83

Ion	Ratio	Lower	Upper
73	100		
57	0.0	16.1	24.1#

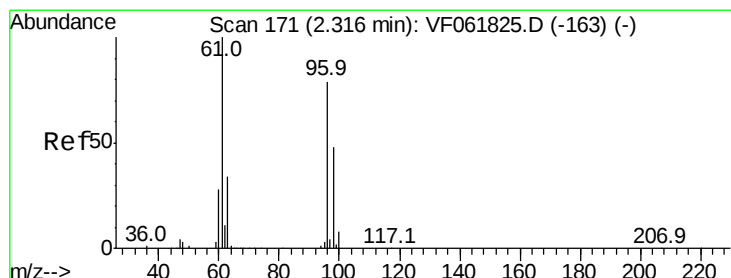
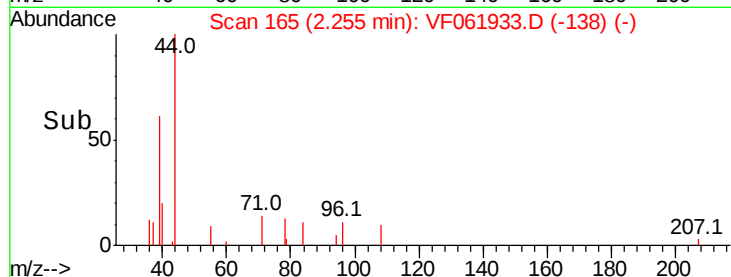
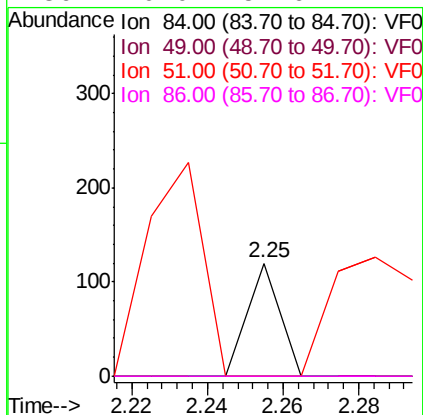
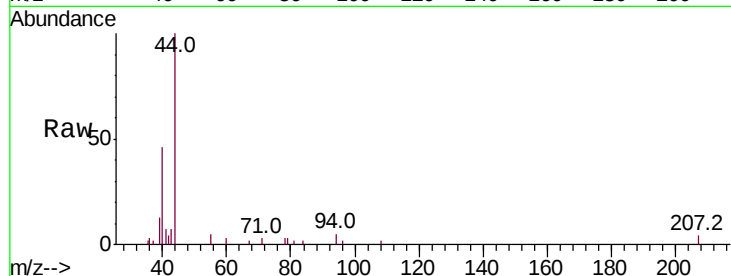




#20
Methvlene Chloride
Concen: 106.954 ug/l
RT: 2.25 min Scan# 165
Delta R.T. 0.07 min
Lab File: VF061933.D
Acq: 13 Mar 2019 17:53

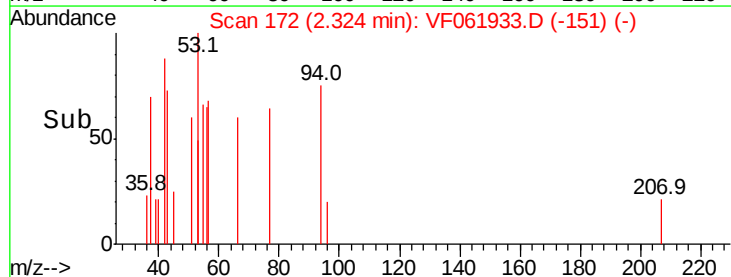
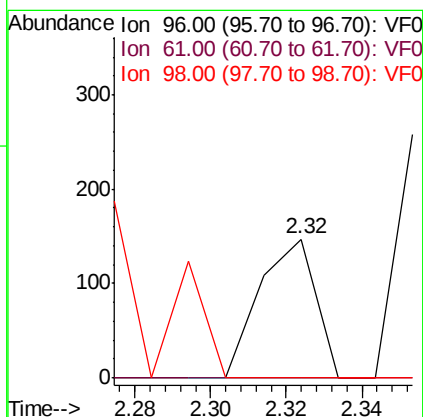
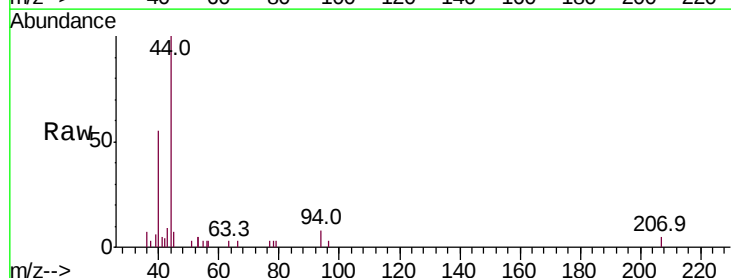
Instrument :
MSVOA_F
ClientSampleId :
OR-02-031219-A

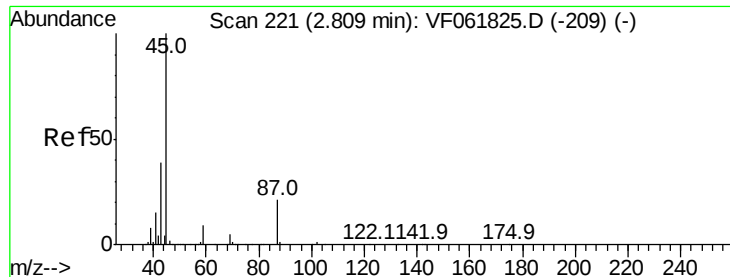
Tot Ion: 84 Resp: 71
Ion Ratio Lower Upper
84 100
49 0.0 96.8 145.2#
51 0.0 31.8 47.6#
86 0.0 51.6 77.4#



#21
trans-1,2-Dichloroethene
Concen: 226.020 ug/l
RT: 2.32 min Scan# 172
Delta R.T. 0.01 min
Lab File: VF061933.D
Acq: 13 Mar 2019 17:53

Tgt Ion: 96 Resp: 151
Ion Ratio Lower Upper
96 100
61 0.0 101.0 151.6#
98 0.0 48.8 73.2#





#22

Diisopropyl ether

Concen: 347.551 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

OR-02-031219-A

Tot Ion: 45 Resp: 707

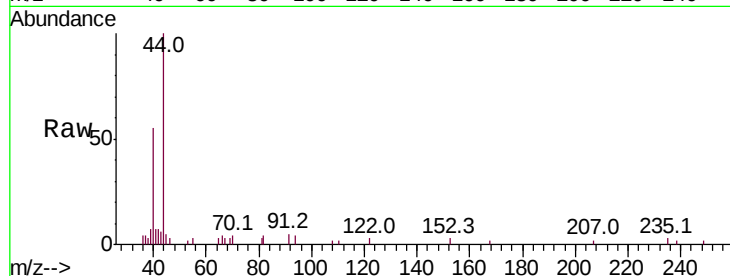
Ion Ratio Lower Upper

45 100

43 134.8 31.8 47.8#

87 0.0 17.1 25.7#

59 0.0 7.8 11.6#

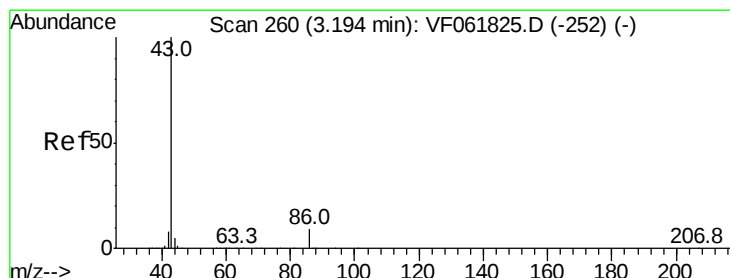
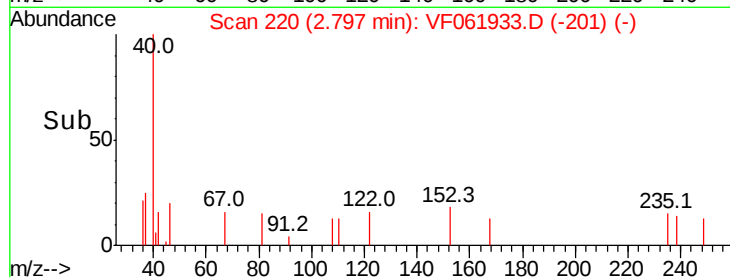
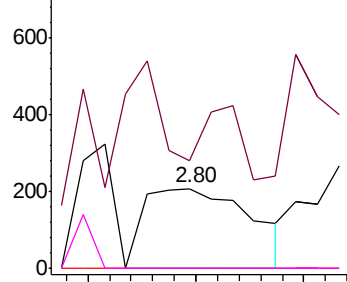


Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



#23

Vinyl Acetate

Concen: 555.701 ug/l

RT: 3.14 min Scan# 255

Delta R.T. -0.05 min

Lab File: VF061933.D

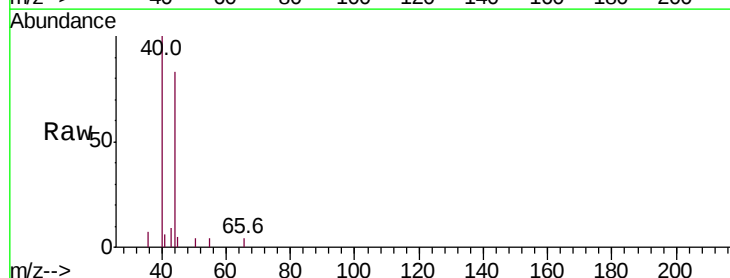
Acq: 13 Mar 2019 17:53

Tgt Ion: 43 Resp: 505

Ion Ratio Lower Upper

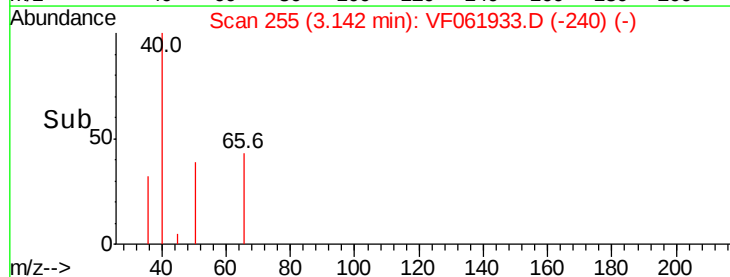
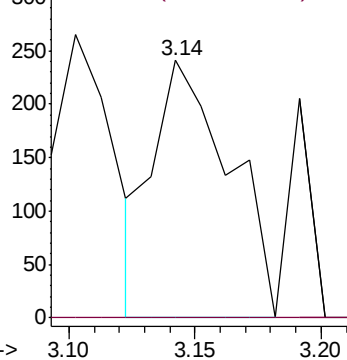
43 100

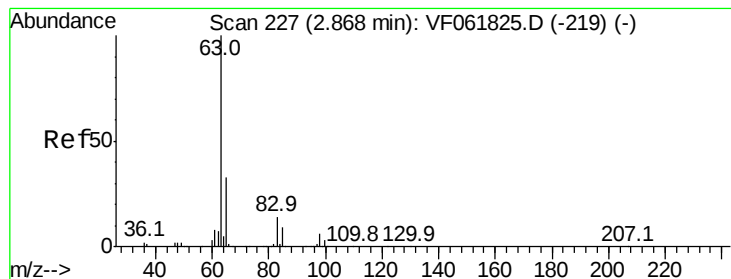
86 0.0 7.0 10.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 78.133 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.08 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

OR-02-031219-A

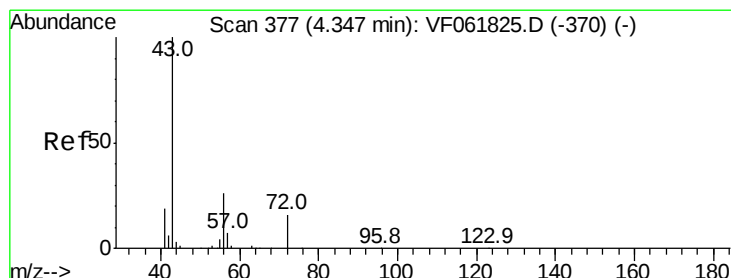
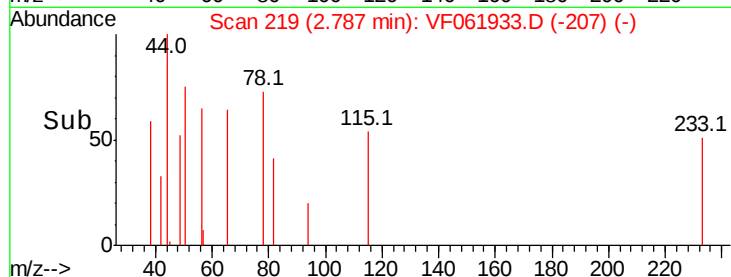
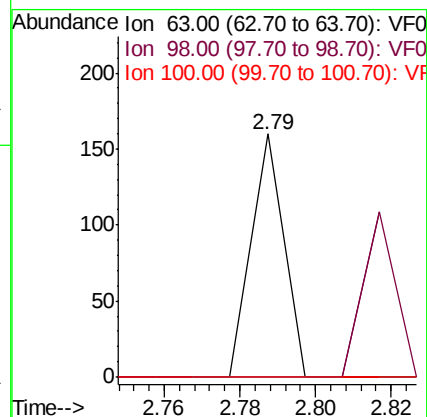
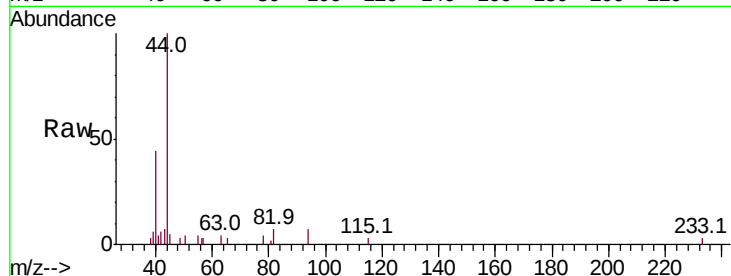
Tot Ion: 63 Resp: 95

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.6#

100 0.0 1.8 5.3#



#25

2-Butanone

Concen: 729.974 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.04 min

Lab File: VF061933.D

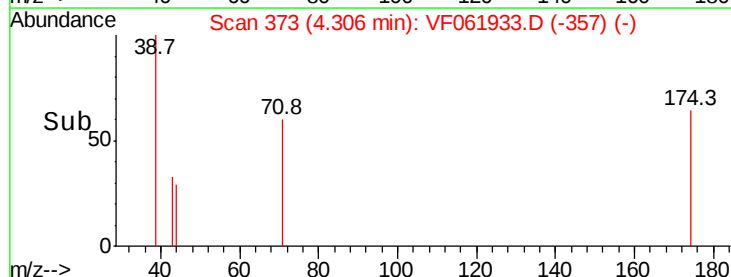
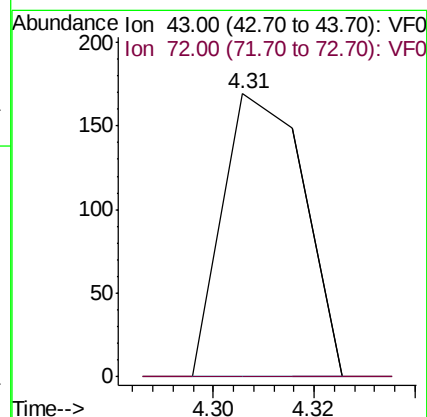
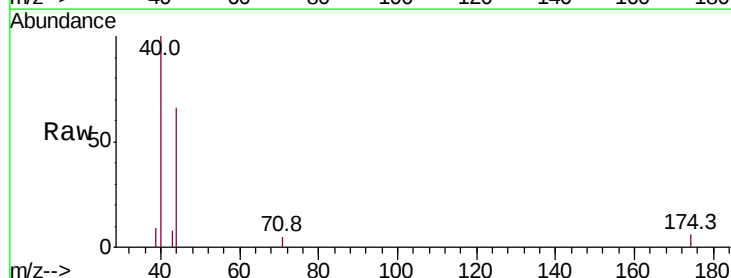
Acq: 13 Mar 2019 17:53

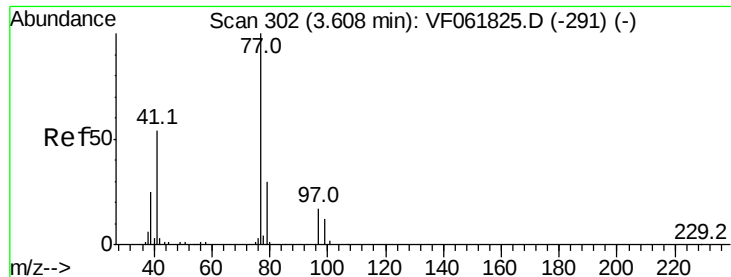
Tgt Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#





#26

2,2-Dichloropropane

Concen: 114.226 ug/l

RT: 3.43 min Scan# 284

Delta R.T. -0.18 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

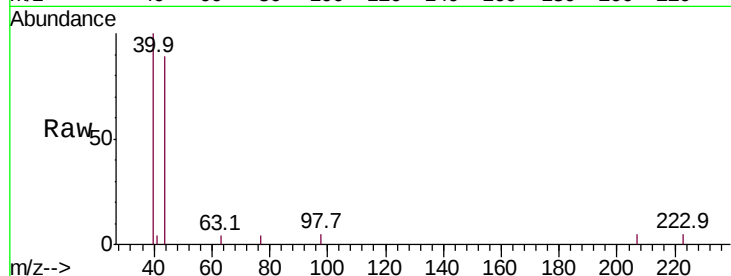
OR-02-031219-A

Tot Ion: 77 Resp: 62

Ion Ratio Lower Upper

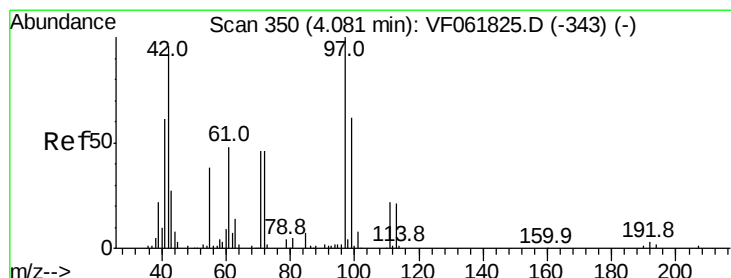
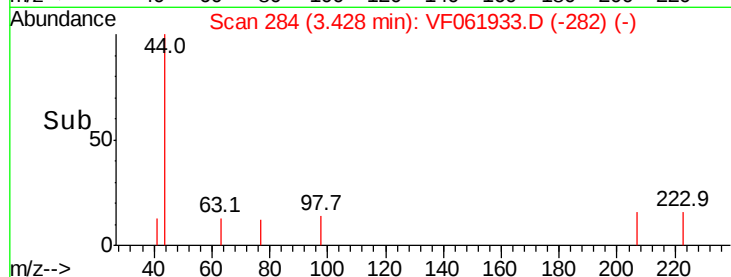
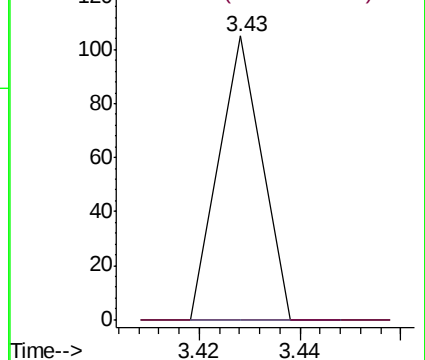
77 100

97 117.1 10.4 31.4#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#29

Tetrahydrofuran

Concen: 702.256 ug/l

RT: 4.02 min Scan# 344

Delta R.T. -0.06 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

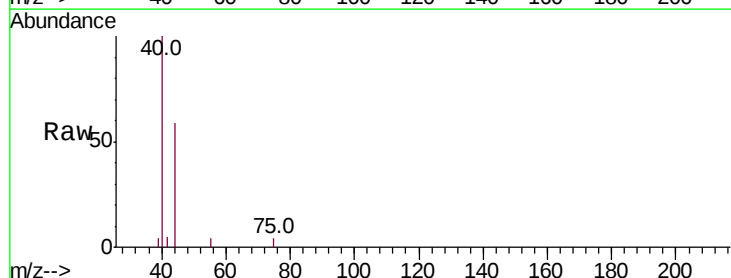
Tgt Ion: 42 Resp: 78

Ion Ratio Lower Upper

42 100

72 0.0 34.4 51.6#

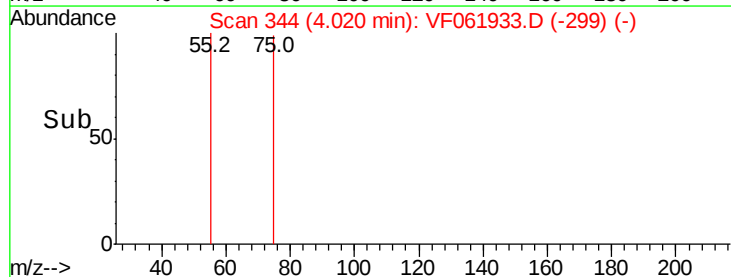
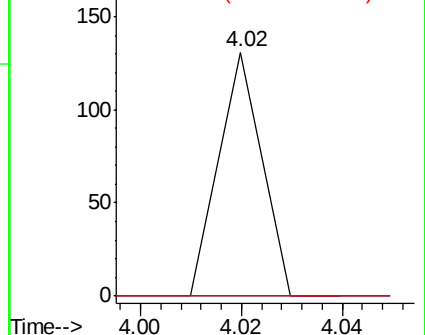
71 0.0 34.6 52.0#

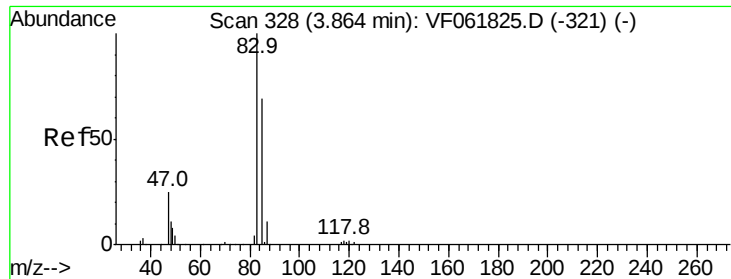


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#30

Chloroform

Concen: 88.566 ug/l

RT: 3.93 min Scan# 335

Delta R.T. 0.07 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

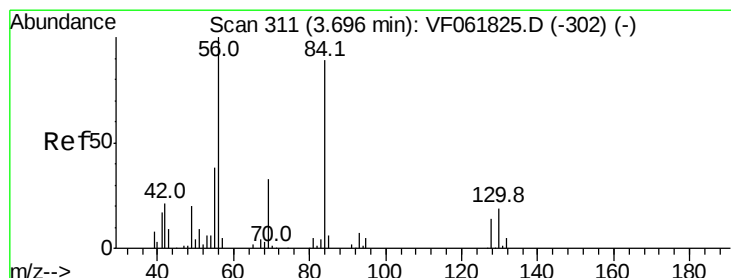
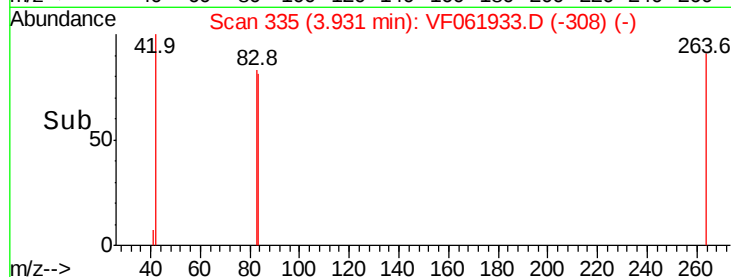
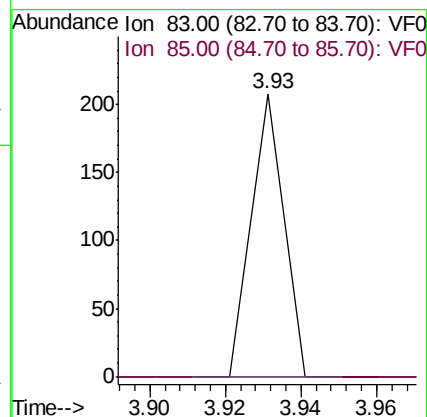
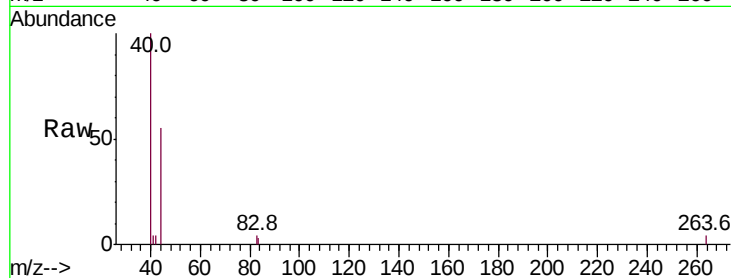
OR-02-031219-A

Tot Ion: 83 Resp: 123

Ion Ratio Lower Upper

83 100

85 0.0 55.3 82.9#



#31

Cyclohexane

Concen: 58.892 ug/l

RT: 3.68 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

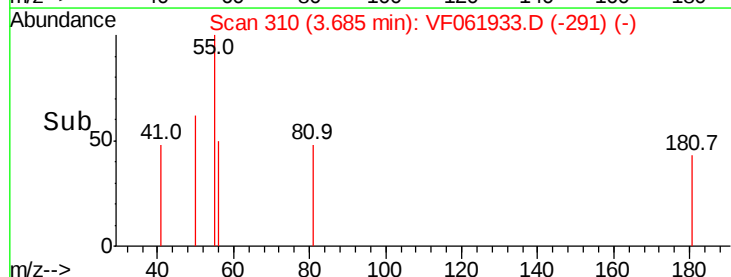
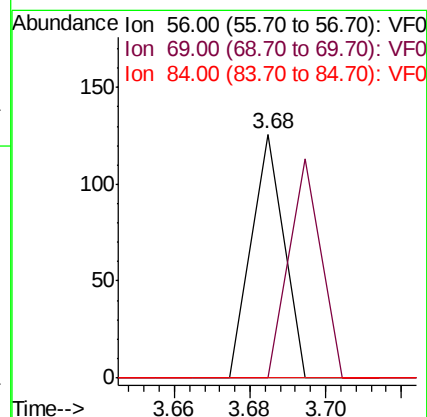
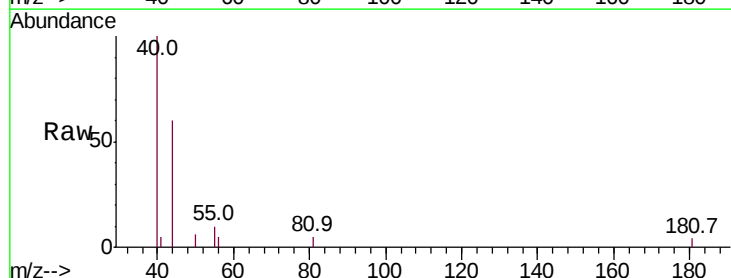
Tgt Ion: 56 Resp: 75

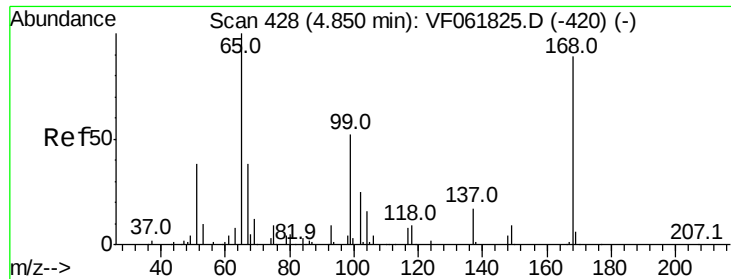
Ion Ratio Lower Upper

56 100

69 0.0 26.0 39.0#

84 0.0 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 125.736 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.04 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

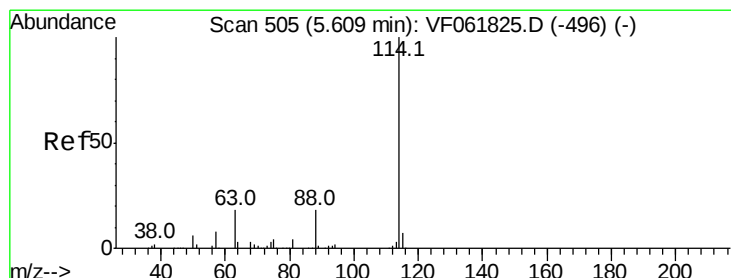
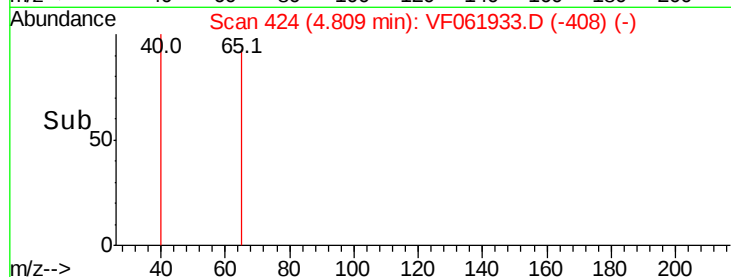
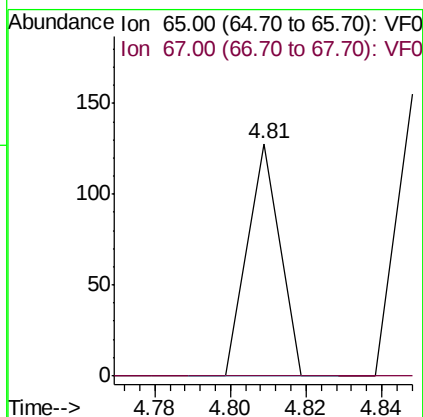
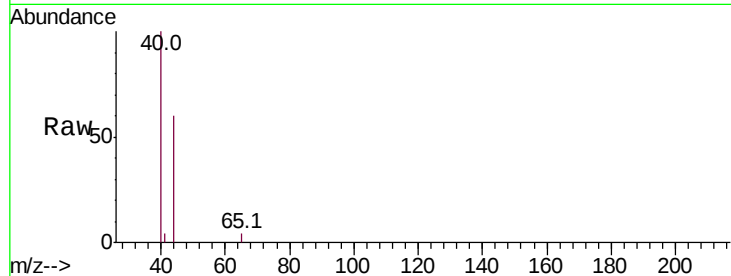
OR-02-031219-A

Tot Ion: 65 Resp: 76

Ion Ratio Lower Upper

65 100

67 0.0 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

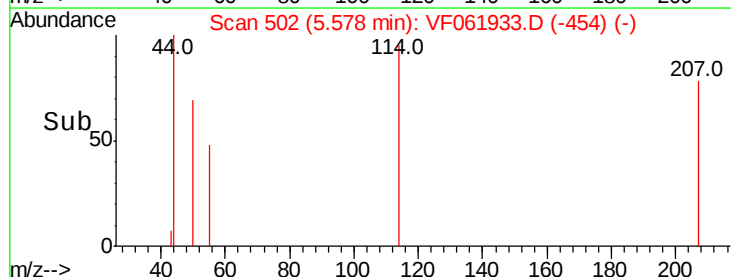
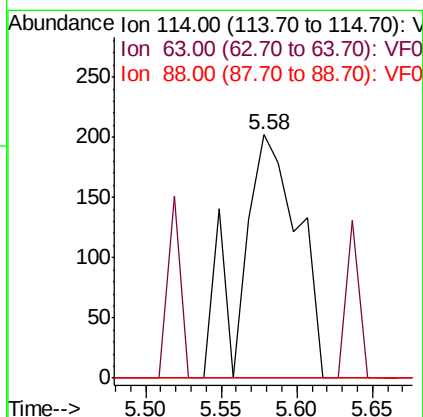
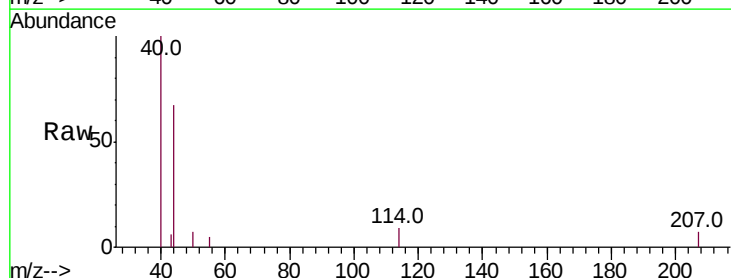
Tgt Ion:114 Resp: 538

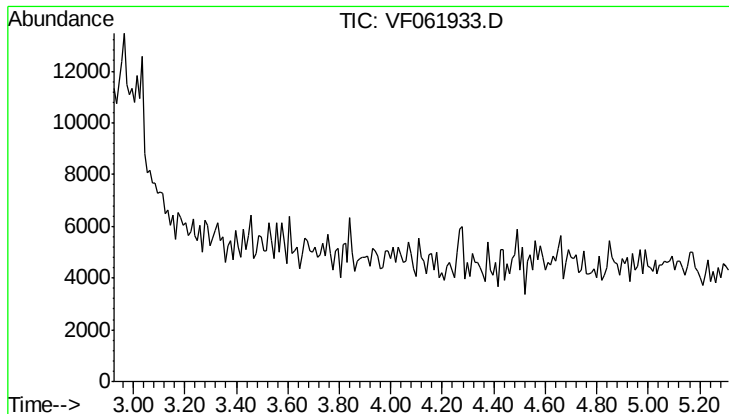
Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.6

88 0.0 0.0 35.6





#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.12 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

OR-02-031219-A

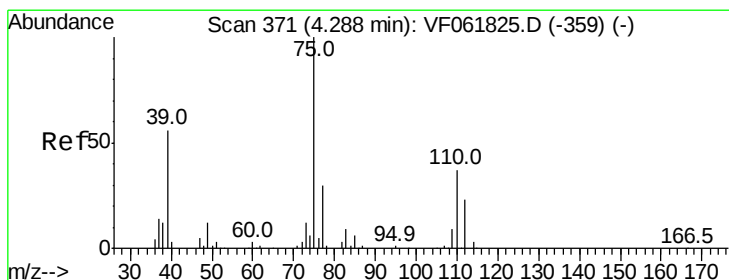
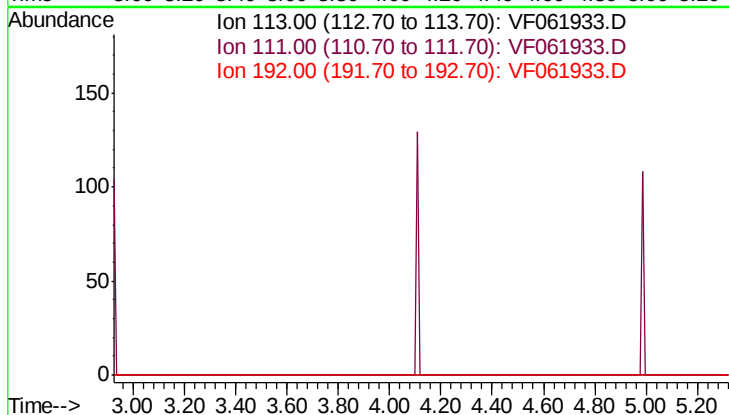
Tot Ion: 113

Sig Exp Ratio

113 100

111 97.0

192 19.9



#36

1,1-Dichloropropene

Concen: 14.955 ug/l

RT: 4.23 min Scan# 365

Delta R.T. -0.06 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

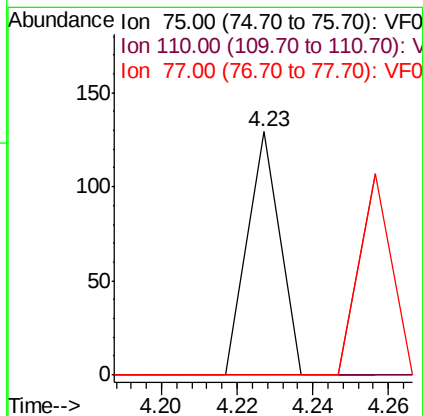
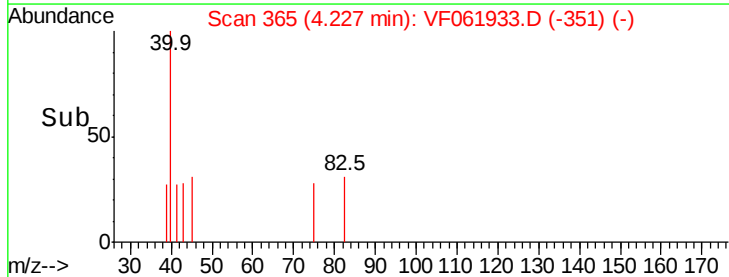
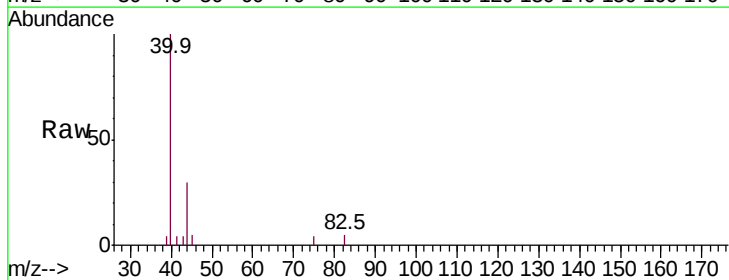
Tgt Ion: 75 Resp: 76

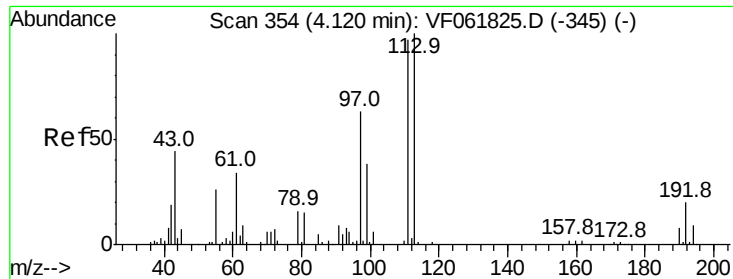
Ion Ratio Lower Upper

75 100

110 0.0 18.6 55.6#

77 0.0 24.2 36.2#

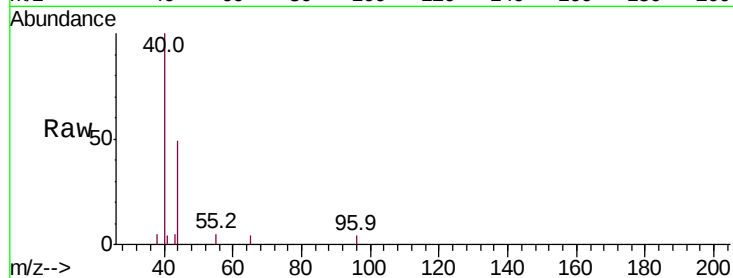




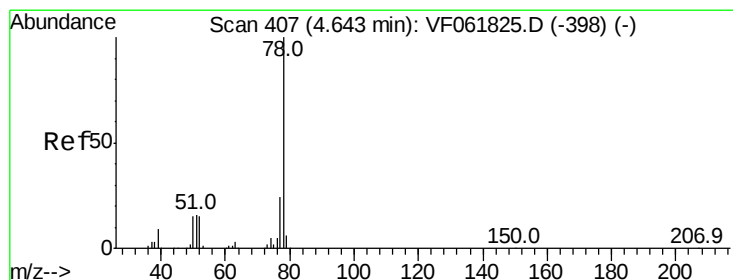
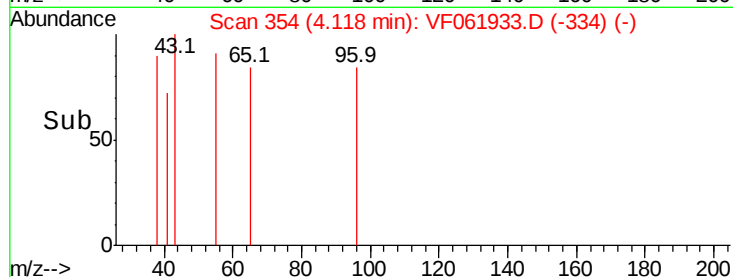
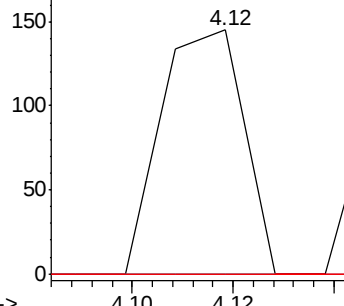
#37
Ethyl Acetate
Concen: 77.353 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.00 min
Lab File: VF061933.D
Acq: 13 Mar 2019 17:53

Instrument :
MSVOA_F
ClientSampleId :
OR-02-031219-A

Tot Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
61 0.0 60.7 91.1#
70 0.0 10.6 15.8#

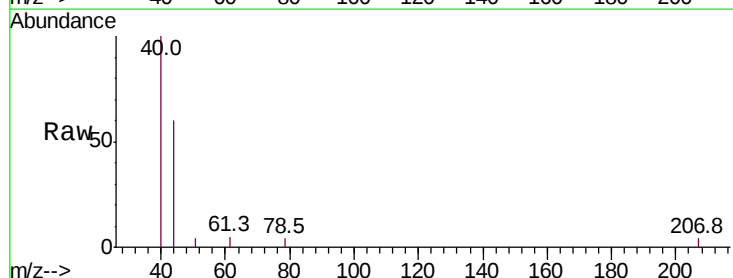


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

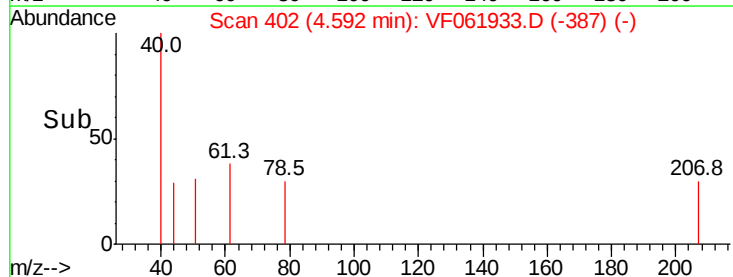
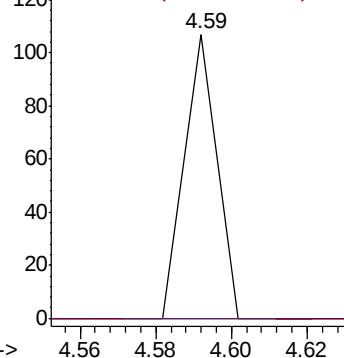


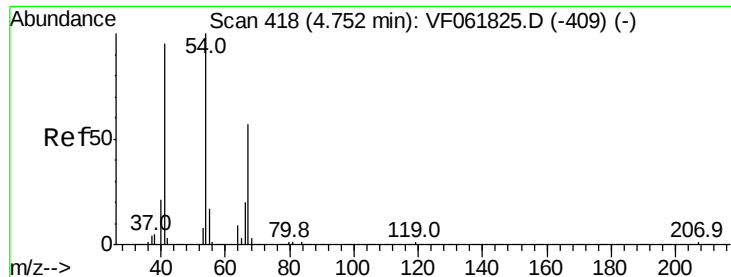
#40
Benzene
Concen: 4.743 ug/l
RT: 4.59 min Scan# 402
Delta R.T. -0.05 min
Lab File: VF061933.D
Acq: 13 Mar 2019 17:53

Tgt Ion: 78 Resp: 63
Ion Ratio Lower Upper
78 100
77 0.0 19.5 29.3#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

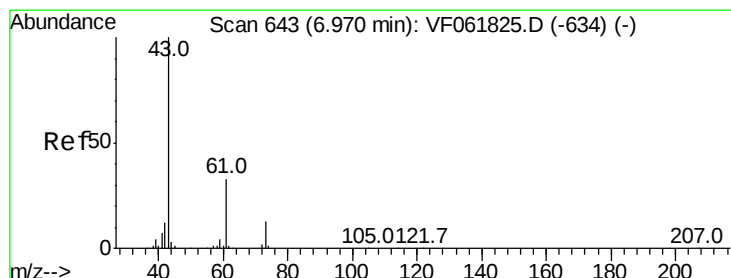
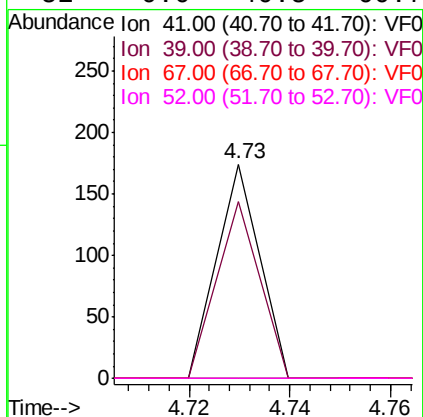
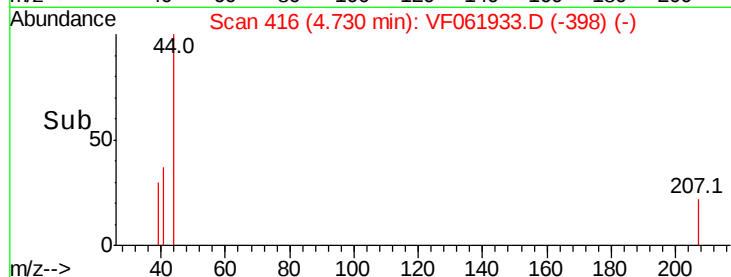
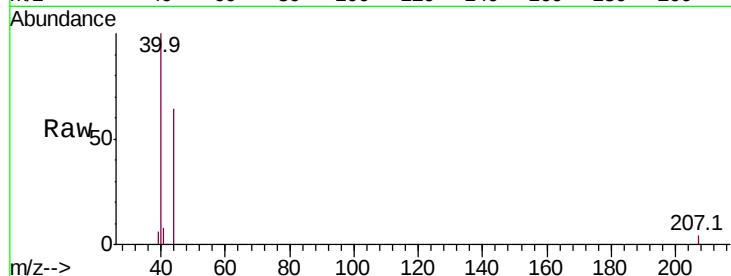




#41
Methacrylonitrile
Concen: 88.132 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF061933.D
Acq: 13 Mar 2019 17:53

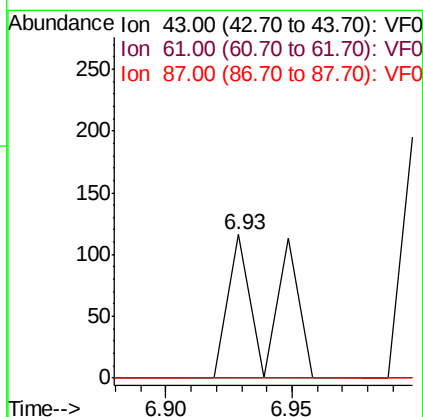
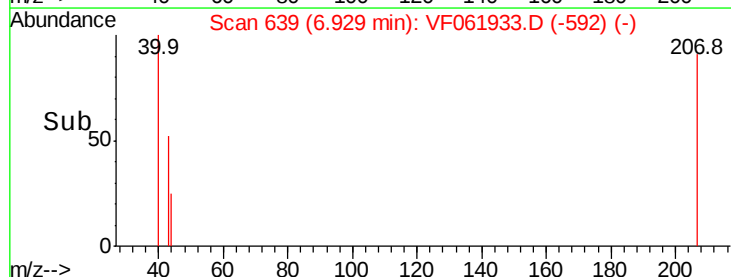
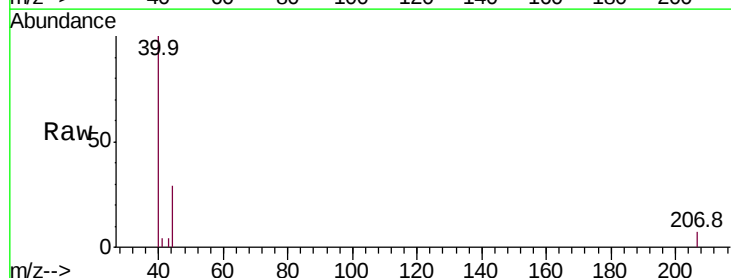
Instrument :
MSVOA_F
ClientSampleId :
OR-02-031219-A

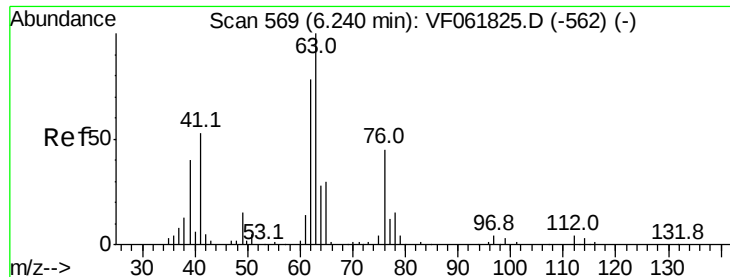
Tot Ion:	41	Resp:	103
Ion	Ratio	Lower	Upper
41	100		
39	82.8	43.0	64.6#
67	0.0	47.8	71.8#
52	0.0	40.5	60.7#



#43
Isopropyl Acetate
Concen: 51.343 ug/l
RT: 6.93 min Scan# 639
Delta R.T. -0.04 min
Lab File: VF061933.D
Acq: 13 Mar 2019 17:53

Tgt Ion:	43	Resp:	135
Ion	Ratio	Lower	Upper
43	100		
61	0.0	26.1	39.1#
87	0.0	0.0	0.0





#45

1,2-Dichloropropane

Concen: 20.261 ug/l

RT: 6.30 min Scan# 575

Delta R.T. 0.06 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

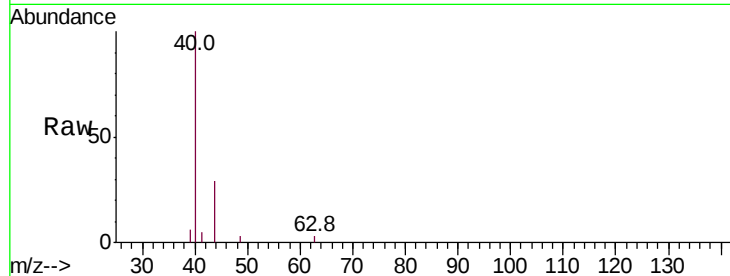
OR-02-031219-A

Tot Ion: 63 Resp: 64

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.30

120

100

80

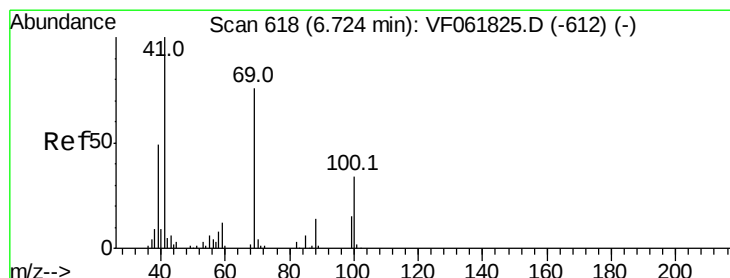
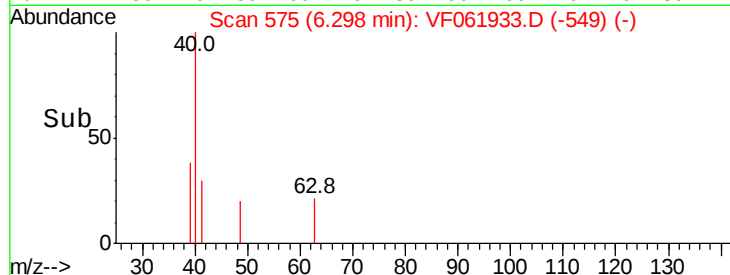
60

40

20

0

Time--> 6.26 6.28 6.30 6.32



#48

Methyl methacrylate

Concen: 236.167 ug/l

RT: 6.66 min Scan# 612

Delta R.T. -0.06 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

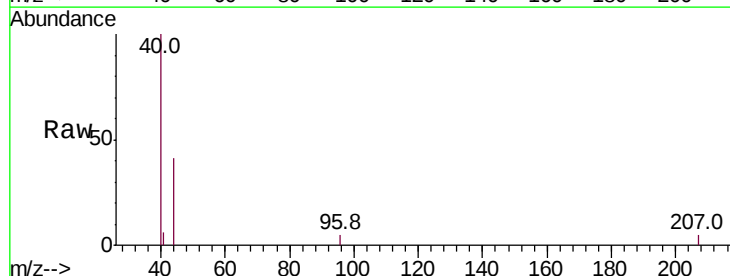
Tgt Ion: 41 Resp: 393

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

39 0.0 39.7 59.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

200

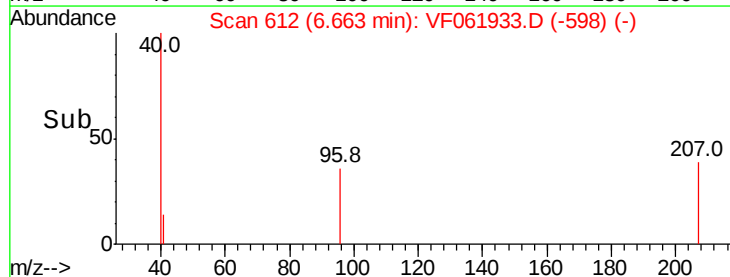
150

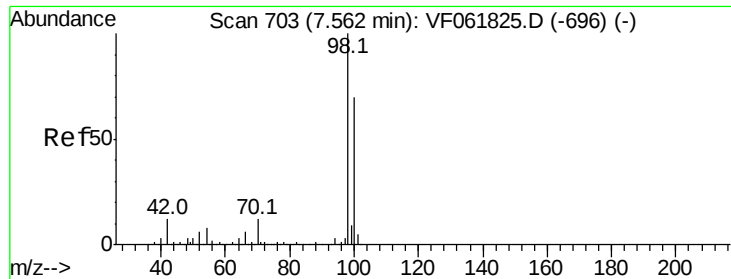
100

50

0

Time--> 6.60 6.65 6.70





#50

Toluene-d8

Concen: 17.832 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

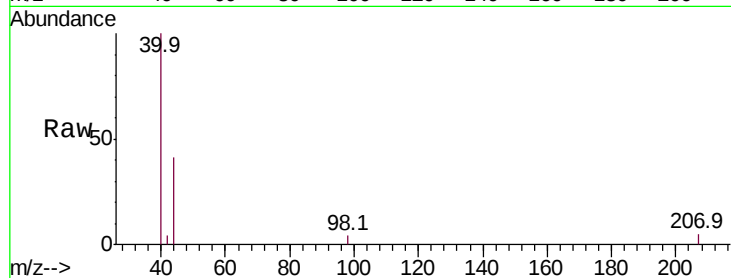
OR-02-031219-A

Tot Ion: 98 Resp: 199

Ion Ratio Lower Upper

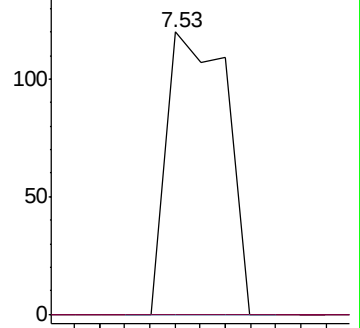
98 100

100 0.0 56.0 84.0#

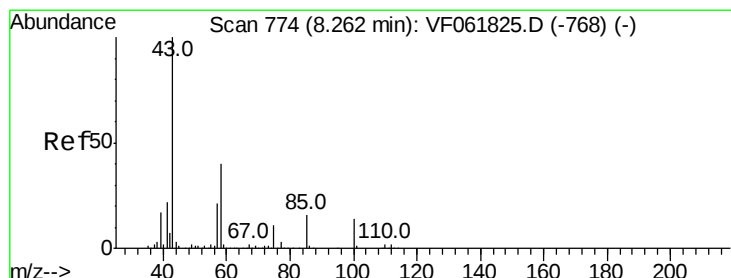
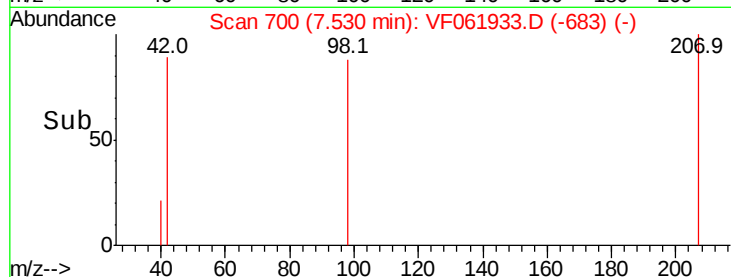


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->



#51

4-Methyl-2-Pentanone

Concen: 141.421 ug/l

RT: 8.19 min Scan# 767

Delta R.T. -0.07 min

Lab File: VF061933.D

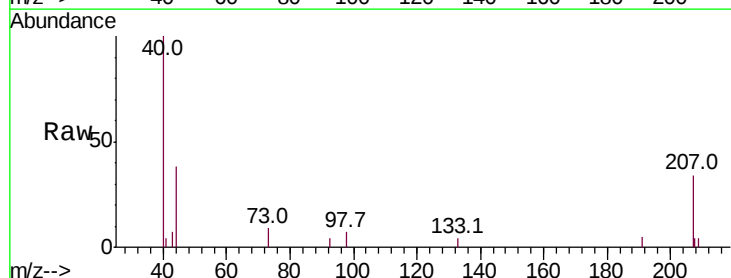
Acq: 13 Mar 2019 17:53

Tgt Ion: 43 Resp: 257

Ion Ratio Lower Upper

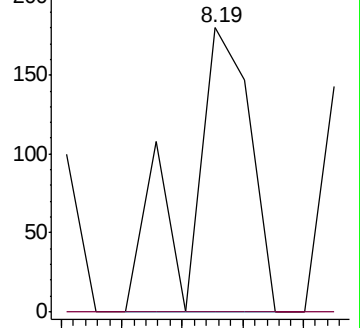
43 100

58 0.0 31.8 47.8#

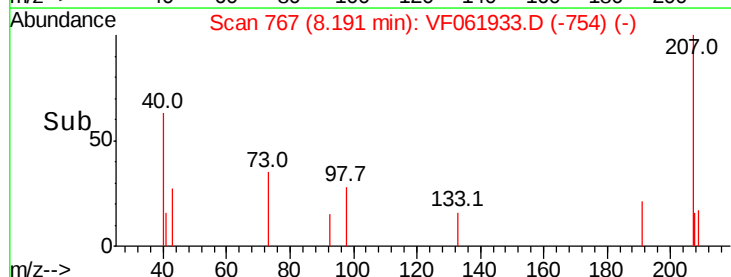


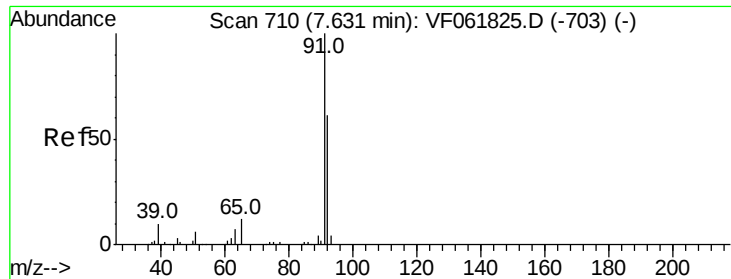
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->





#52

Toluene

Concen: 10.562 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

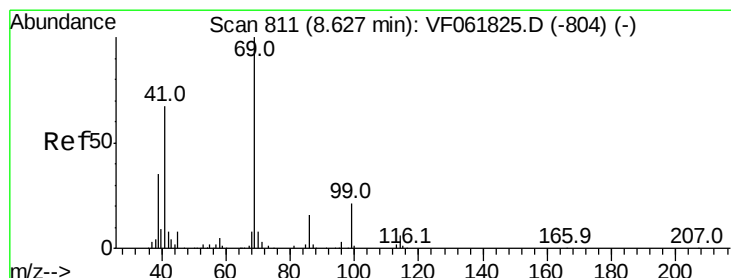
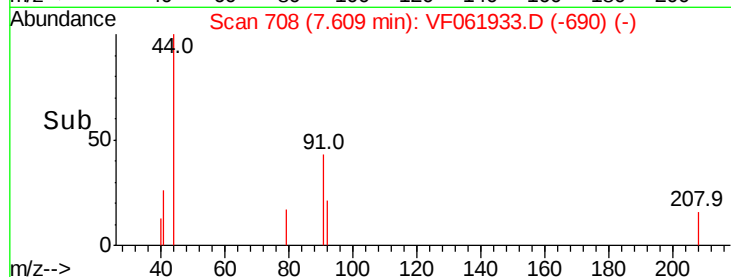
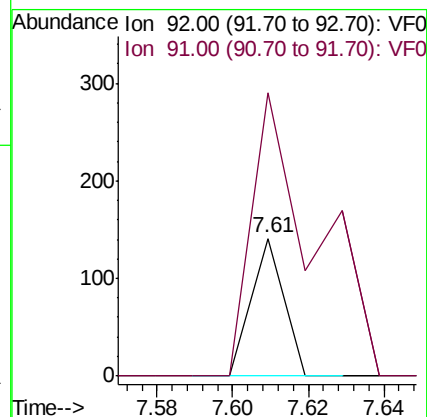
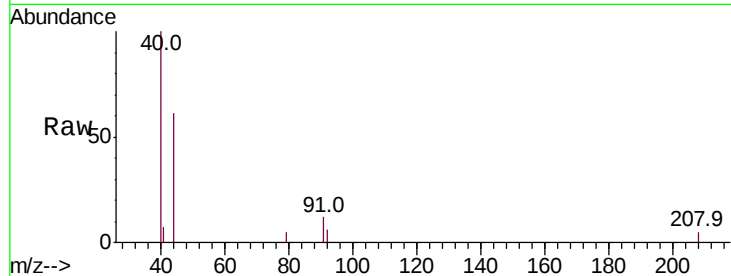
OR-02-031219-A

Tot Ion: 92 Resp: 83

Ion Ratio Lower Upper

92 100

91 205.7 132.0 198.0#



#56

Ethyl methacrylate

Concen: 39.189 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.10 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

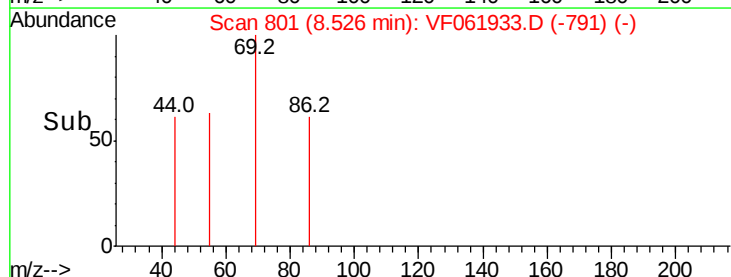
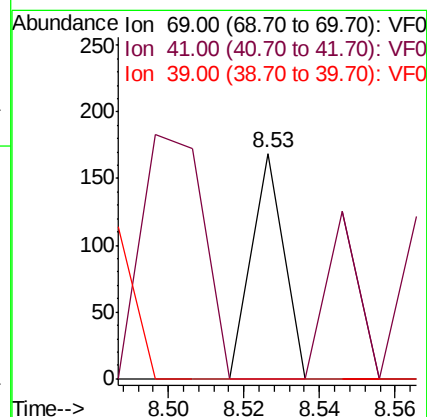
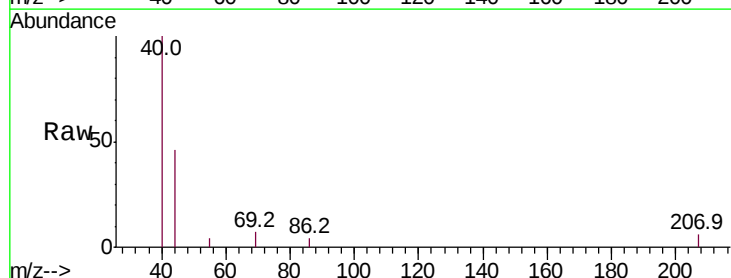
Tgt Ion: 69 Resp: 100

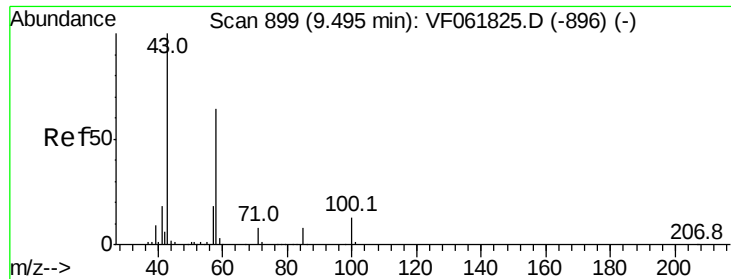
Ion Ratio Lower Upper

69 100

41 0.0 53.9 80.9#

39 0.0 28.3 42.5#





#59

2-Hexanone

Concen: 96.872 ug/l

RT: 9.45 min Scan# 895

Delta R.T. -0.04 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

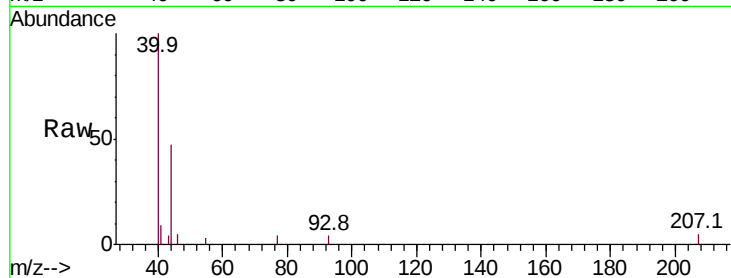
OR-02-031219-A

Tot Ion: 43 Resp: 127

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

120

100

80

60

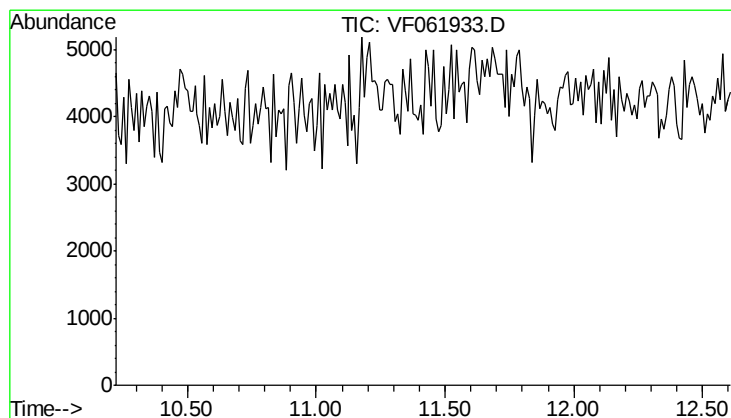
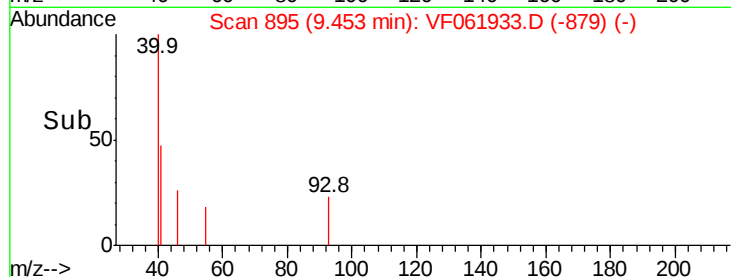
40

20

0

9.42 9.44 9.46

Time-->



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.42 min

Lab File: VF061933.D

Acq: 13 Mar 2019 17:53

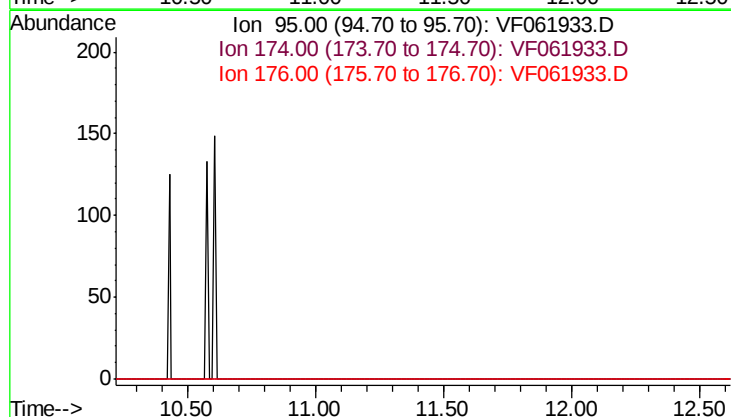
Tgt Ion: 95

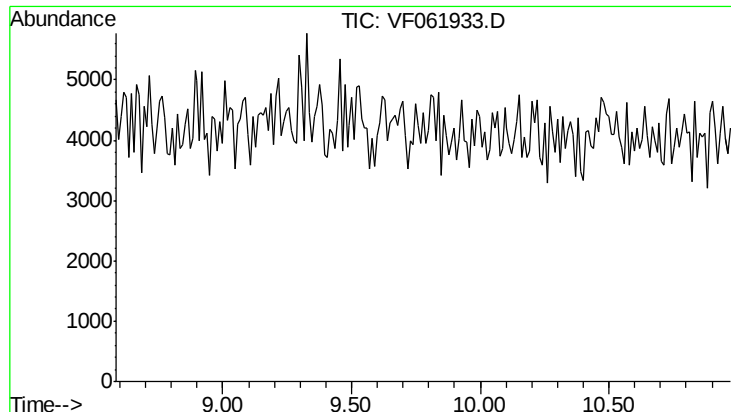
Sig Exp Ratio

95 100

174 87.0

176 87.6

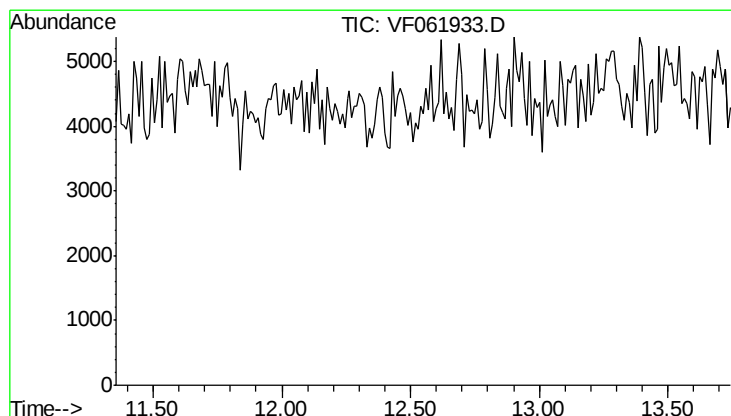
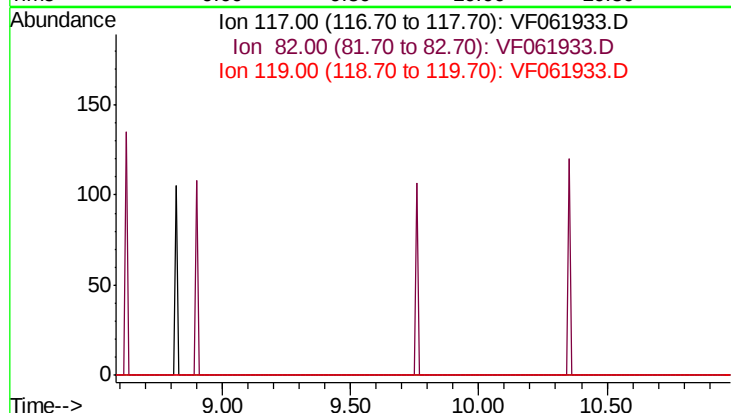




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.78 min
 Lab File: VF061933.D
 Acq: 13 Mar 2019 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-031219-A

Tot Ion	117
Sig	Exp Ratio
117	100
82	53.2
119	32.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min
 Lab File: VF061933.D
 Acq: 13 Mar 2019 17:53

Tgt Ion	152
Sig	Exp Ratio
152	100
115	55.4
150	152.1

