

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042319\
 Data File : VF062274.D
 Acq On : 23 Apr 2019 20:13
 Operator : FY/SY
 Sample : K2515-18
 Misc : 7.85µ/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 24 06:45:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

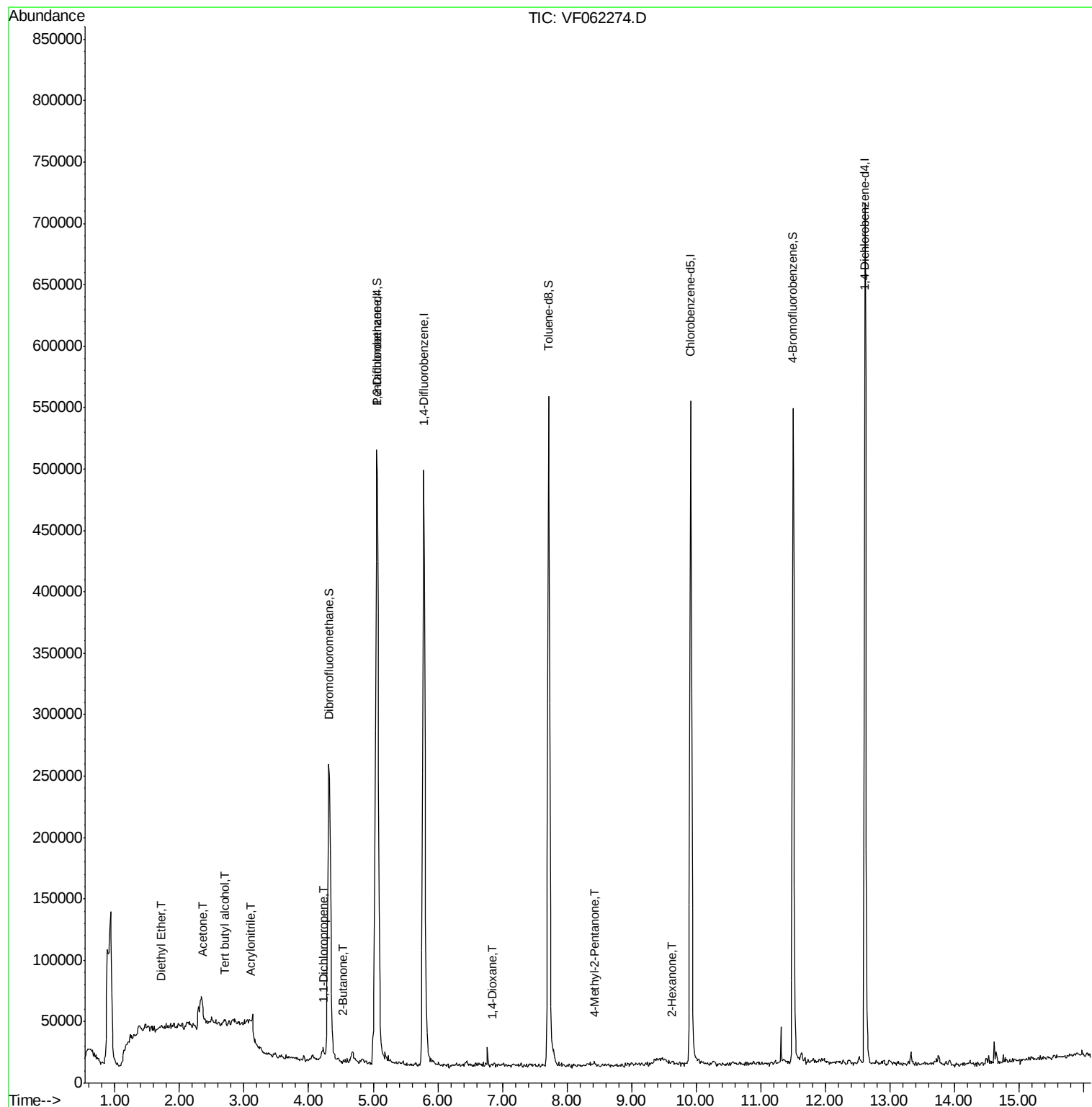
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	422350	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	577986	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	422776	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	198030	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	179984	46.47	ug/l	0.03
Spiked Amount 50.000			Recovery	=	92.94%	
35) Dibromofluoromethane	4.31	113	232948	46.07	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.14%	
50) Toluene-d8	7.72	98	476560	37.24	ug/l	0.02
Spiked Amount 50.000			Recovery	=	74.48%	
62) 4-Bromofluorobenzene	11.50	95	187063	37.99	ug/l	0.02
Spiked Amount 50.000			Recovery	=	75.98%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.71	74	1886	1.251	ug/l	96
11) Tert butyl alcohol	2.71	59	1573	5.843	ug/l #	1
13) Acrolein	2.09	56	440	Below Cal	#	1
15) Acrylonitrile	3.10	53	1158	1.412	ug/l #	19
16) Acetone	2.36	43	5964	6.443	ug/l #	86
18) Methyl Acetate	2.49	43	2759	Below Cal	#	73
20) Methylene Chloride	2.34	84	19526	Below Cal		93
25) 2-Butanone	4.54	43	2844	1.537	ug/l	98
36) 1,1-Dichloropropene	4.23	75	18745	2.705	ug/l #	45
49) 1,4-Dioxane	6.84	88	79	3.048	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	4828	1.887	ug/l #	64
59) 2-Hexanone	9.64	43	1816	1.275	ug/l	92
74) N-amyl acetate	11.48	43	2208	Below Cal	#	1
89) n-Butylbenzene	12.90	91	1301	Below Cal		84

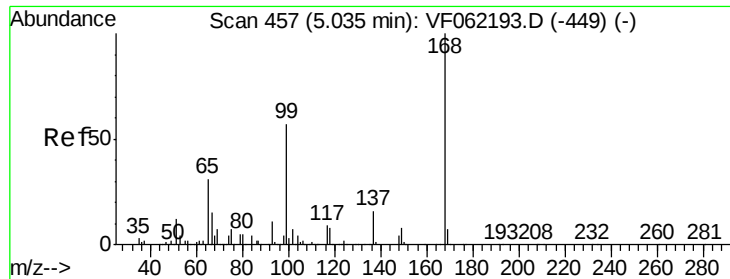
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042319\
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Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062274.D

Acq: 23 Apr 2019 20:13

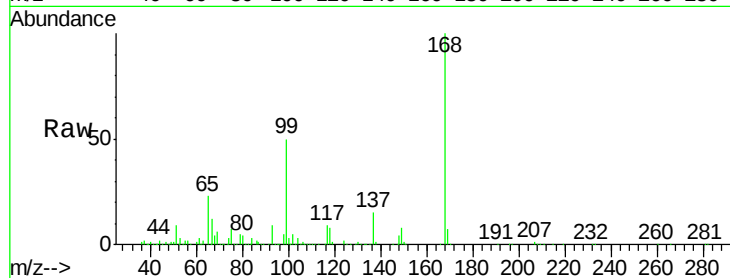
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 422350

Ion Ratio Lower Upper

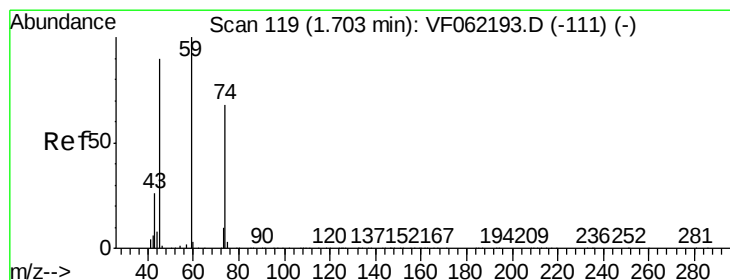
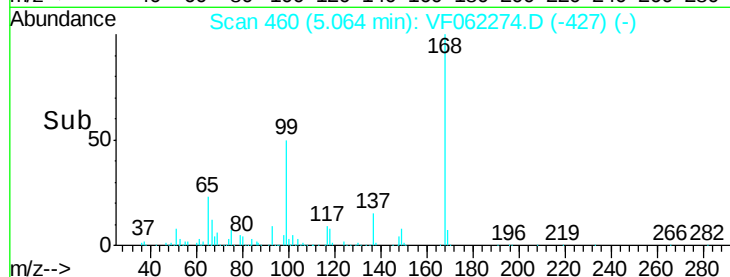
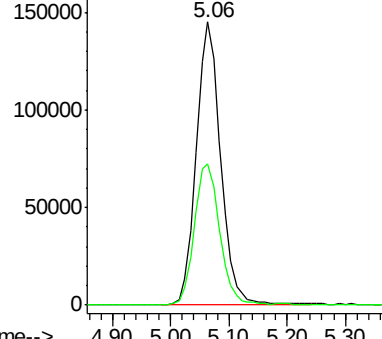
168 100

99 49.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#8

Diethyl Ether

Concen: 1.251 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF062274.D

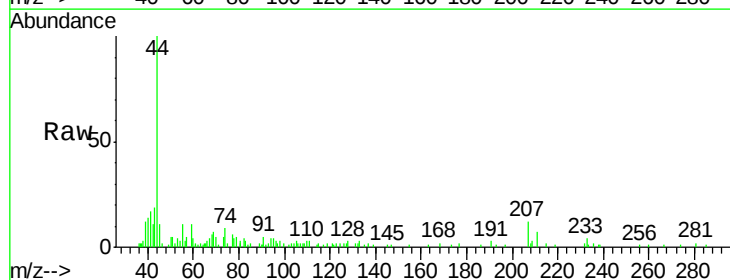
Acq: 23 Apr 2019 20:13

Tgt Ion: 74 Resp: 1886

Ion Ratio Lower Upper

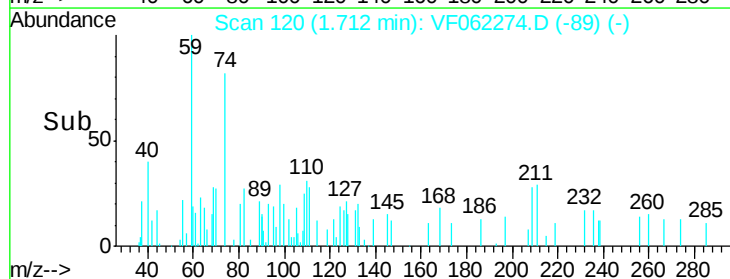
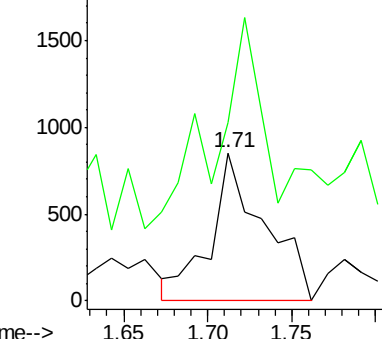
74 100

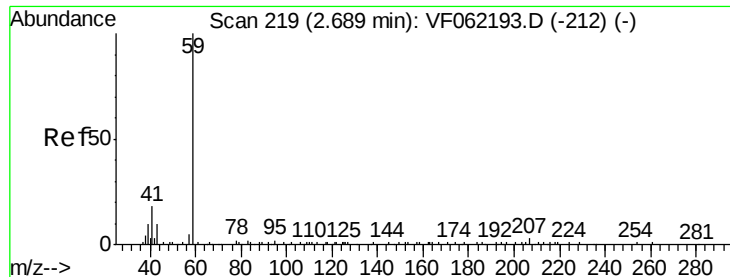
45 145.0 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



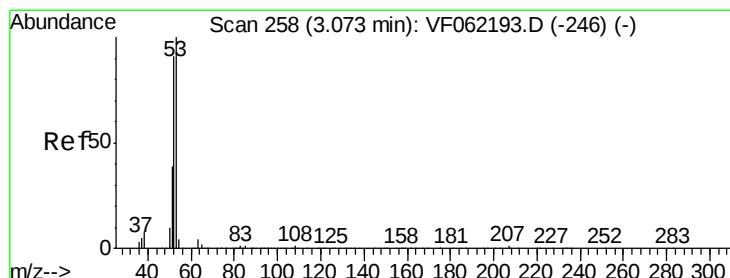
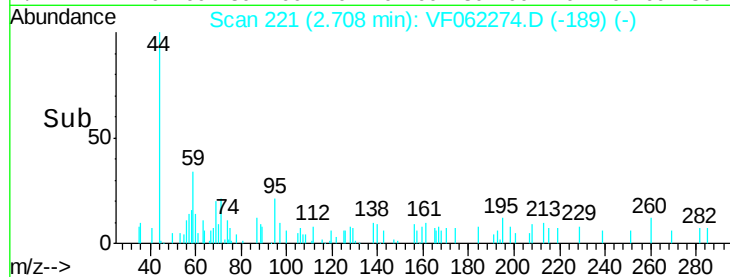
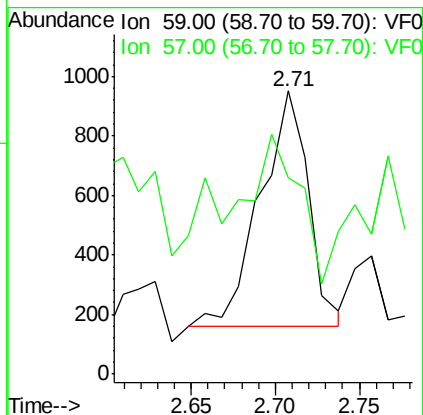
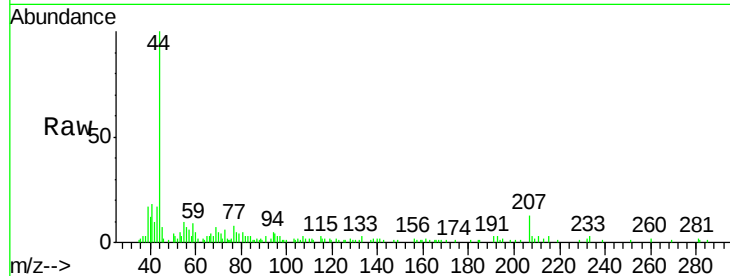


#11

Tert butyl alcohol
Concen: 5.843 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF062274.D
Acq: 23 Apr 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :

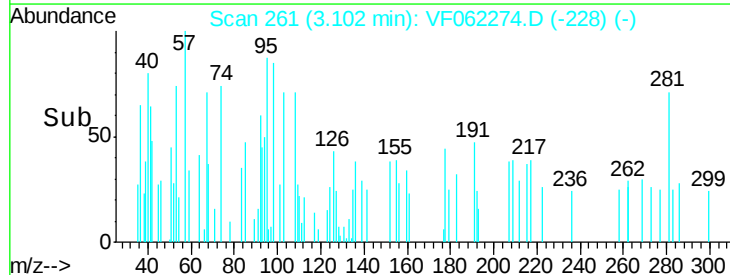
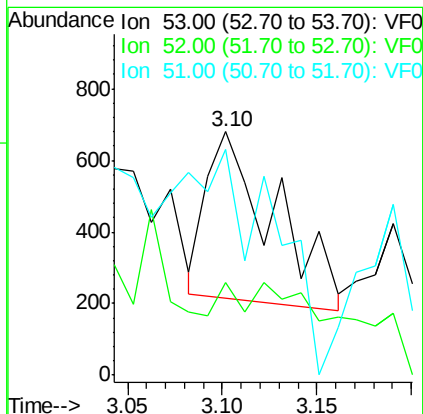
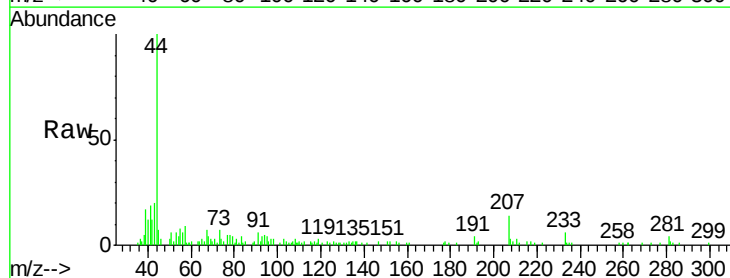
Tot Ion: 59 Resp: 1573
Ion Ratio Lower Upper
59 100
57 65.7 9.3 13.9#

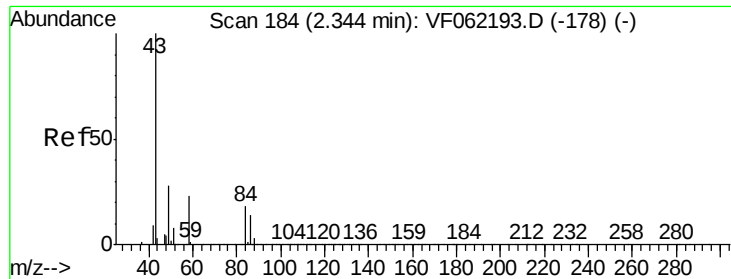


#15

Acrylonitrile
Concen: 1.412 ug/l
RT: 3.10 min Scan# 261
Delta R.T. 0.03 min
Lab File: VF062274.D
Acq: 23 Apr 2019 20:13

Tgt Ion: 53 Resp: 1158
Ion Ratio Lower Upper
53 100
52 5.4 69.5 104.3#
51 0.0 31.8 47.8#

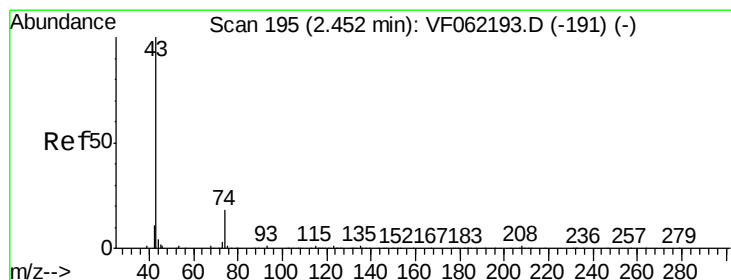
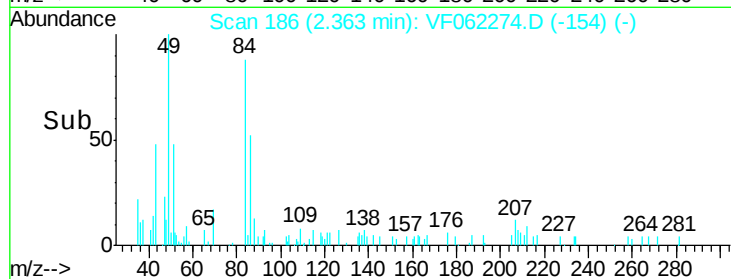
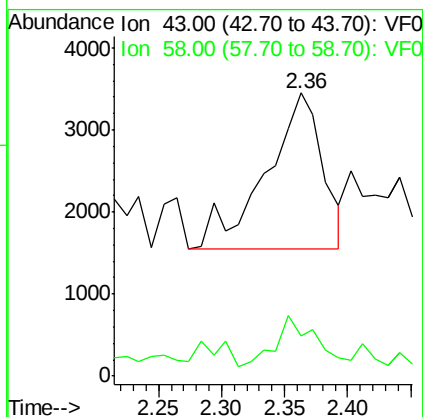
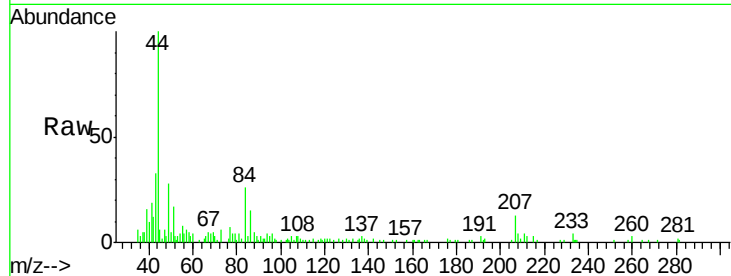




#16
Acetone
Concen: 6.443 ug/l
RT: 2.36 min Scan# 186
Delta R.T. 0.02 min
Lab File: VF062274.D
Acq: 23 Apr 2019 20:13

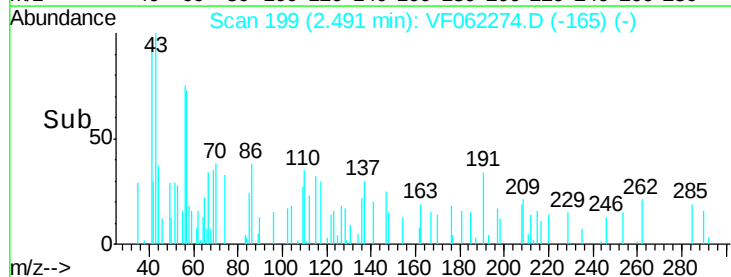
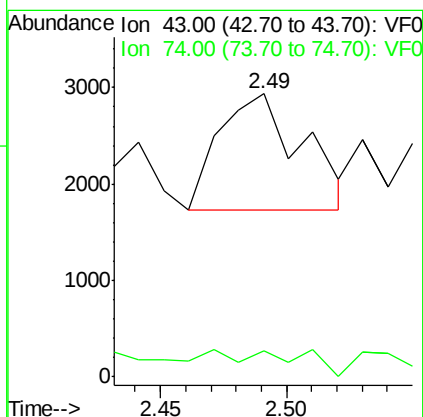
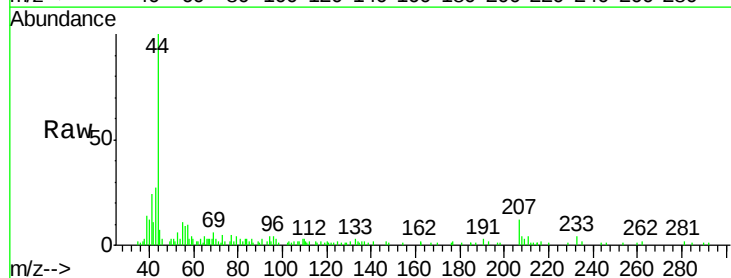
Instrument :
MSVOA_F
ClientSampled :

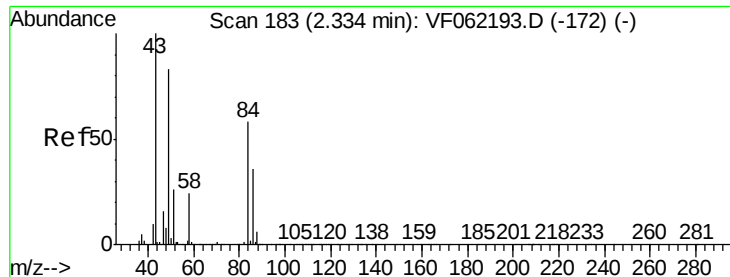
Tot Ion: 43 Resp: 5964
Ion Ratio Lower Upper
43 100
58 16.6 18.8 28.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.49 min Scan# 199
Delta R.T. 0.04 min
Lab File: VF062274.D
Acq: 23 Apr 2019 20:13

Tgt Ion: 43 Resp: 2759
Ion Ratio Lower Upper
43 100
74 6.3 14.5 21.7#

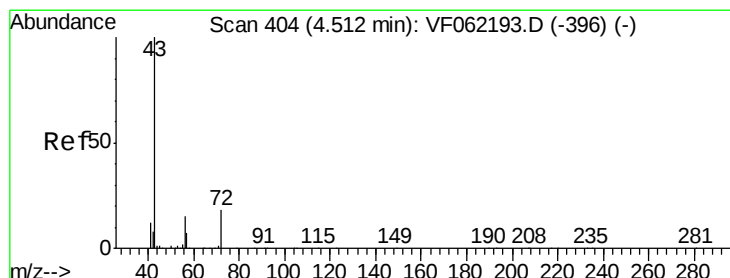
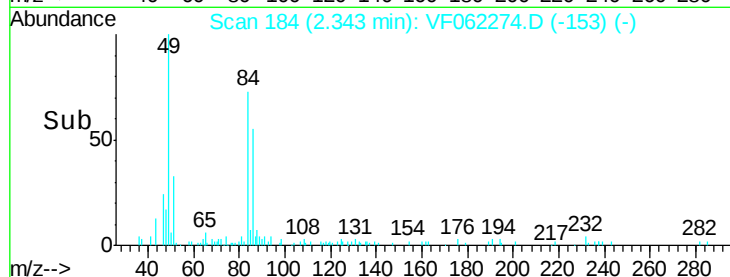
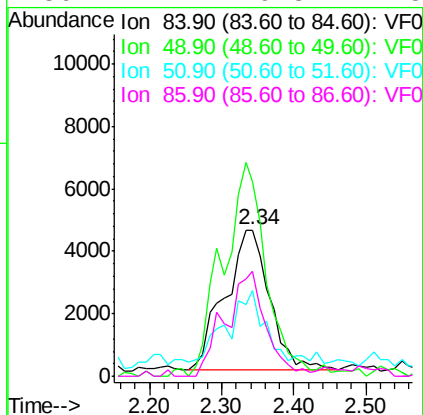
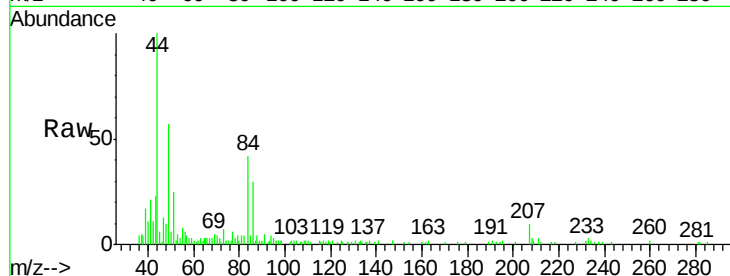




#20
Methylene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062274.D
Acq: 23 Apr 2019 20:13

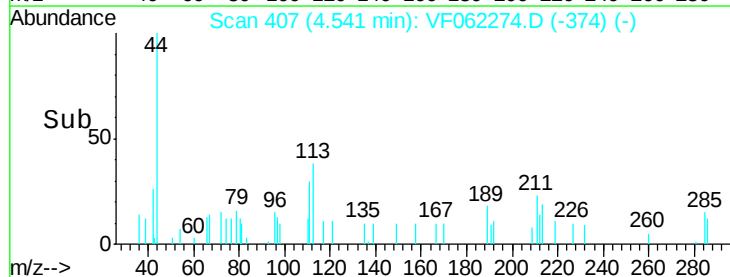
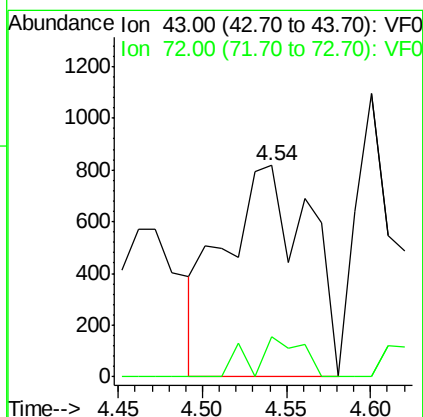
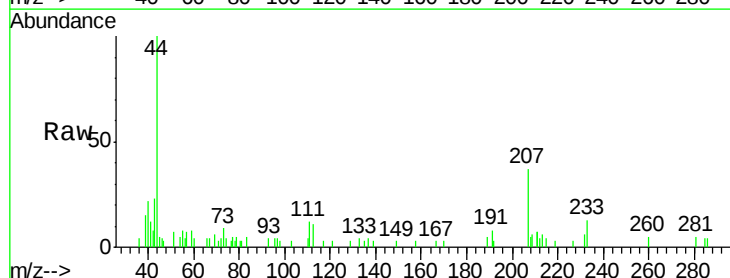
Instrument :
MSVOA_F
ClientSampleId :

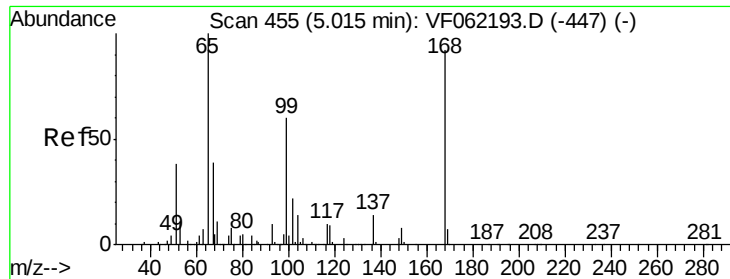
Tot Ion: 84 Resp: 19526
Ion Ratio Lower Upper
84 100
49 138.8 114.0 171.0
51 51.1 37.0 55.4
86 74.4 49.8 74.8



#25
2-Butanone
Concen: 1.537 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.03 min
Lab File: VF062274.D
Acq: 23 Apr 2019 20:13

Tgt Ion: 43 Resp: 2844
Ion Ratio Lower Upper
43 100
72 19.2 16.1 24.1





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062274.D

Acq: 23 Apr 2019 20:13

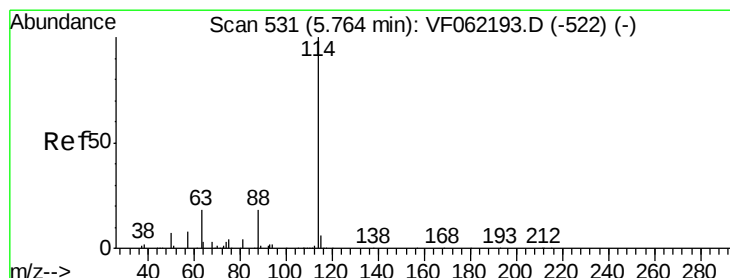
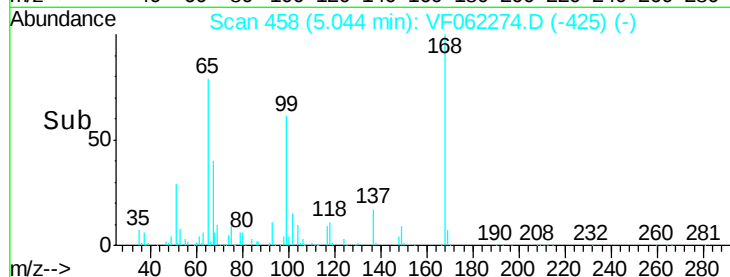
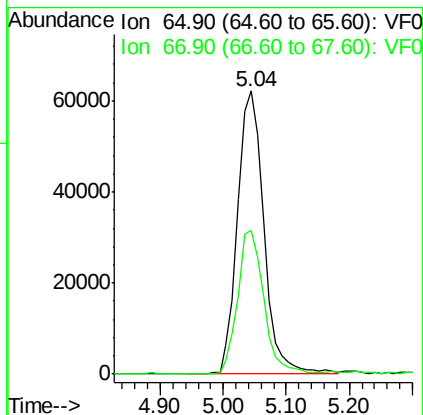
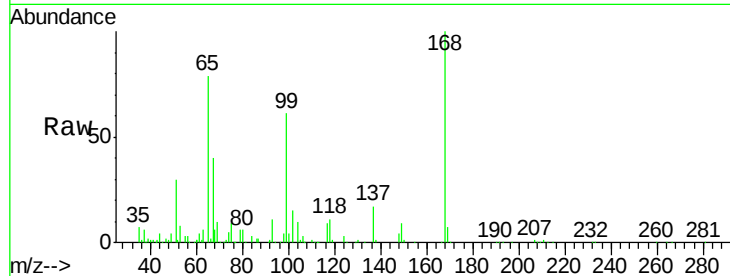
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 179984

Ion Ratio Lower Upper

65 100

67 49.9 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062274.D

Acq: 23 Apr 2019 20:13

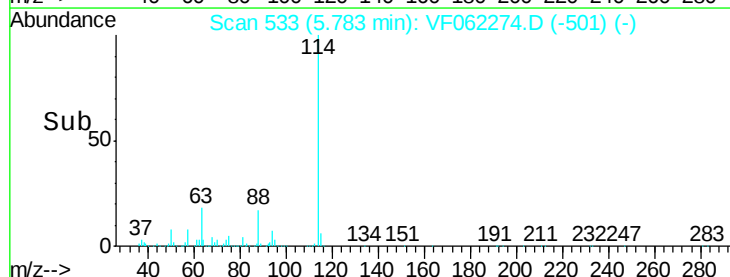
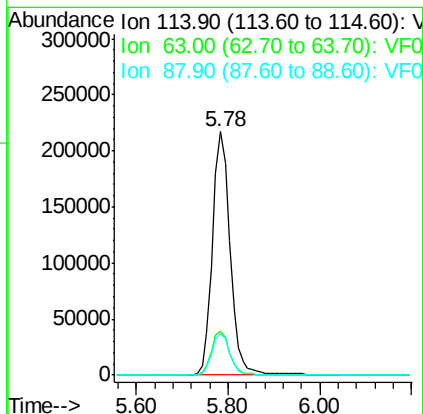
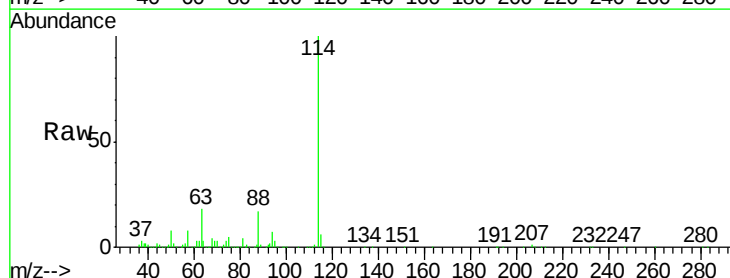
Tgt Ion: 114 Resp: 577986

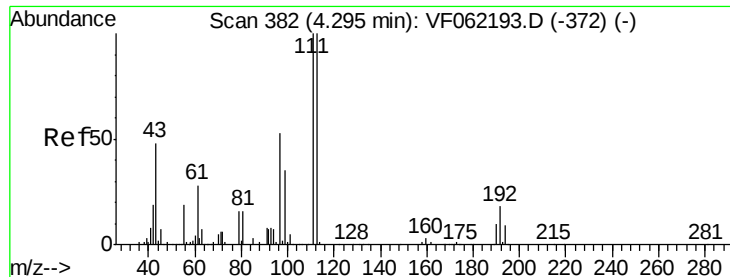
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 16.9 0.0 35.8

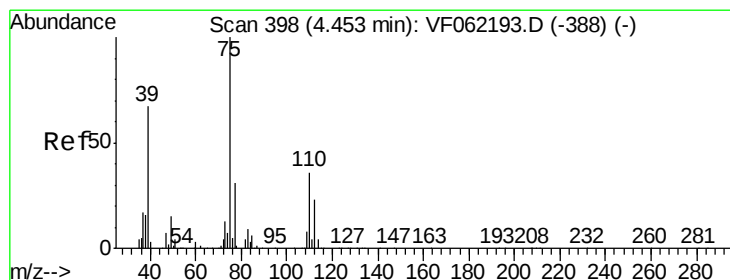
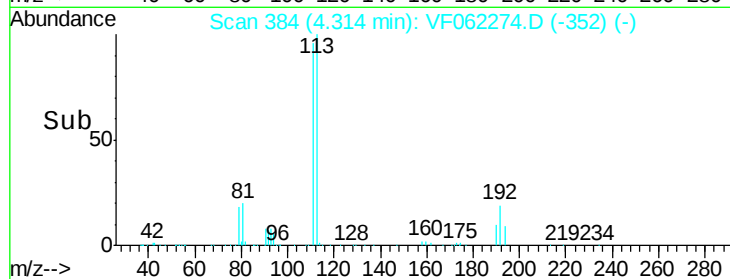
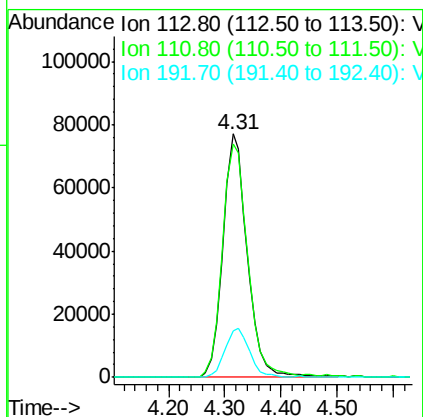
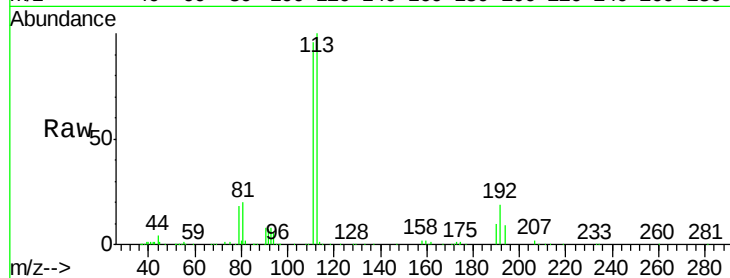




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062274.D
 Acq: 23 Apr 2019 20:13

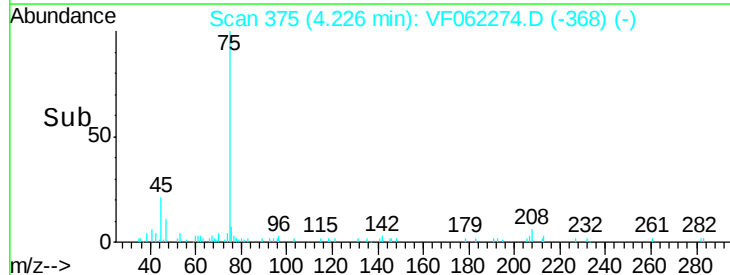
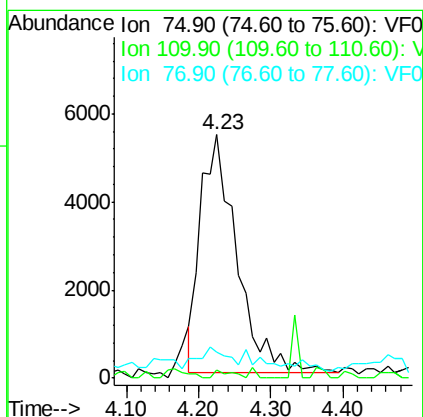
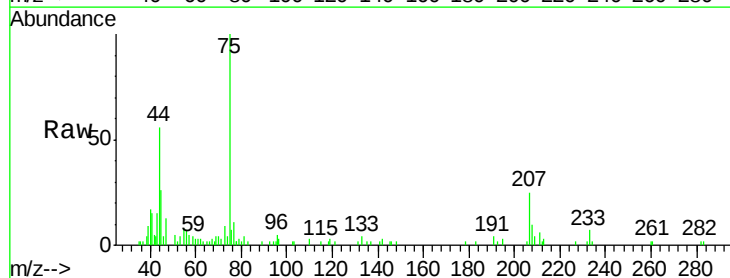
Instrument :
 MSVOA_F
 ClientSampled :

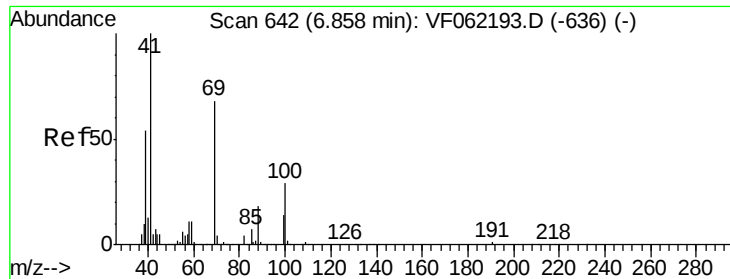
Tot Ion:113 Resp: 232948
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.1 121.7
 192 20.3 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 2.705 ug/l
 RT: 4.23 min Scan# 375
 Delta R.T. -0.23 min
 Lab File: VF062274.D
 Acq: 23 Apr 2019 20:13

Tgt Ion: 75 Resp: 18745
 Ion Ratio Lower Upper
 75 100
 110 1.6 18.4 55.2#
 77 3.7 25.4 38.2#





#49

1,4-Dioxane

Concen: 3.048 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF062274.D

Acq: 23 Apr 2019 20:13

Instrument :
MSVOA_F
ClientSampled :

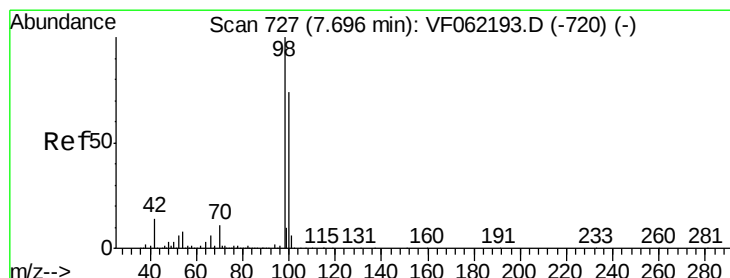
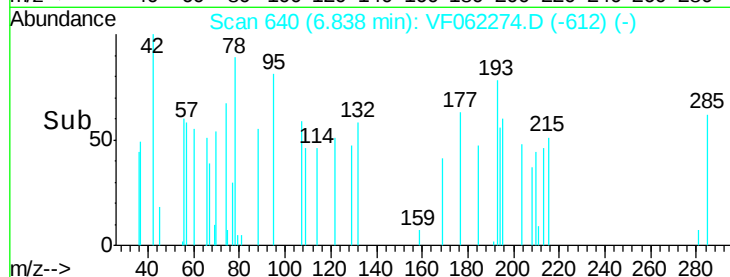
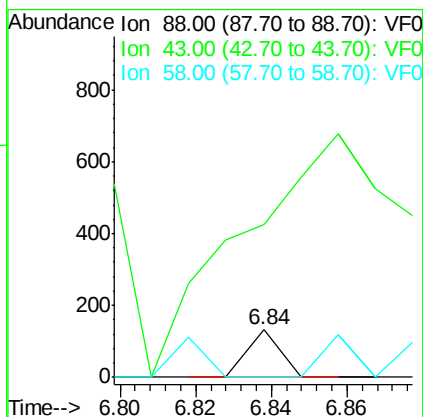
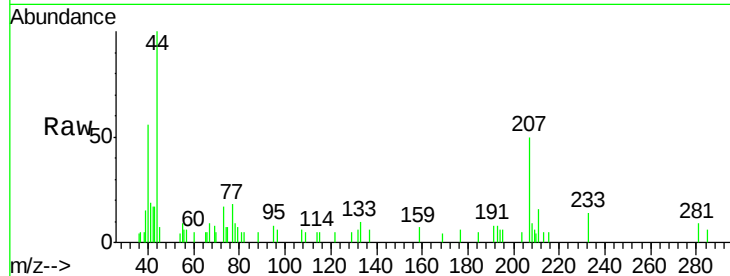
Tot Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 2453.2 36.9 55.3#

58 164.6 56.8 85.2#



#50

Toluene-d8

Concen: 3.048 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062274.D

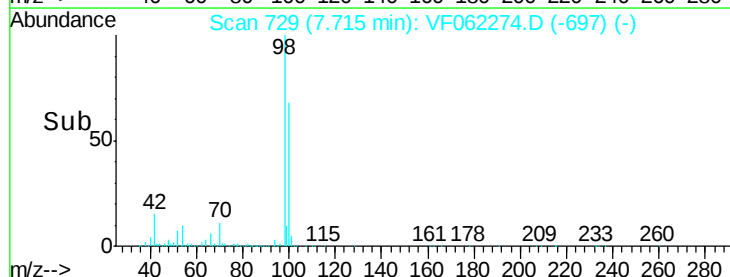
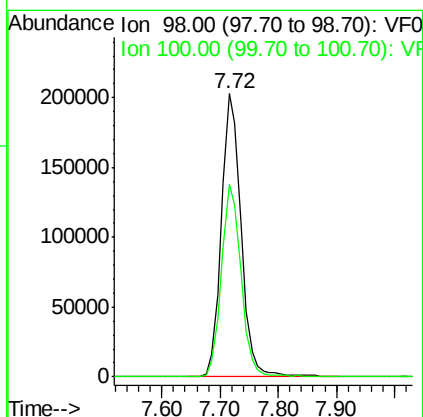
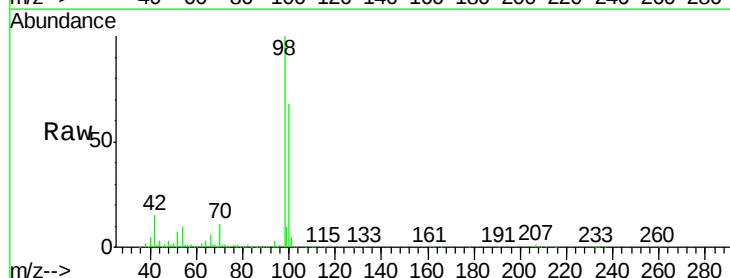
Acq: 23 Apr 2019 20:13

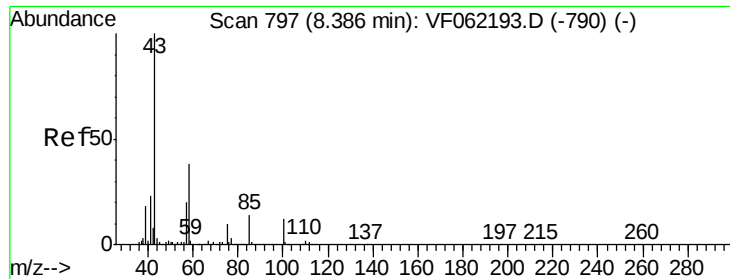
Tgt Ion: 98 Resp: 476560

Ion Ratio Lower Upper

98 100

100 67.9 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 1.887 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.04 min

Lab File: VF062274.D

Acq: 23 Apr 2019 20:13

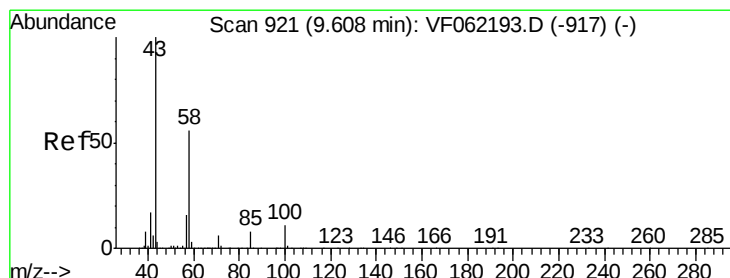
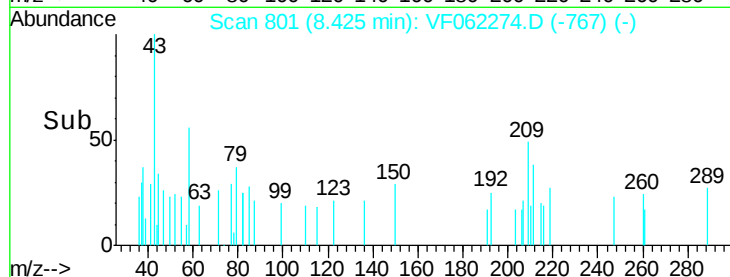
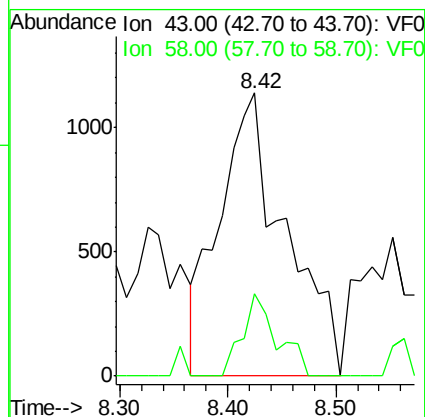
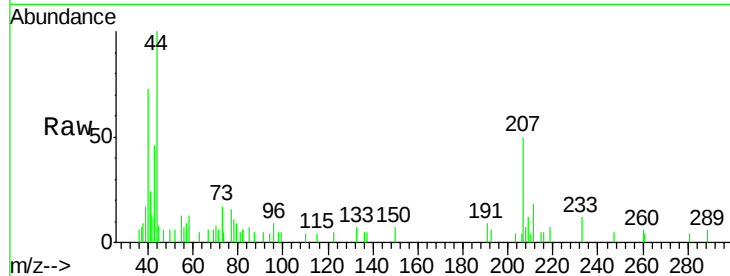
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 4828

Ion Ratio Lower Upper

43 100

58 15.2 29.3 43.9#



#59

2-Hexanone

Concen: 1.275 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.03 min

Lab File: VF062274.D

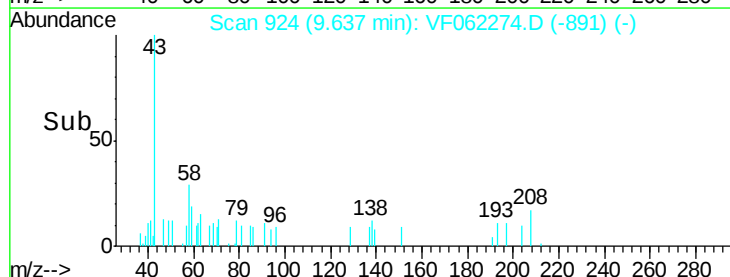
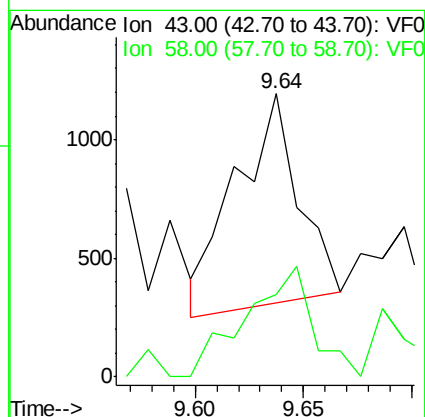
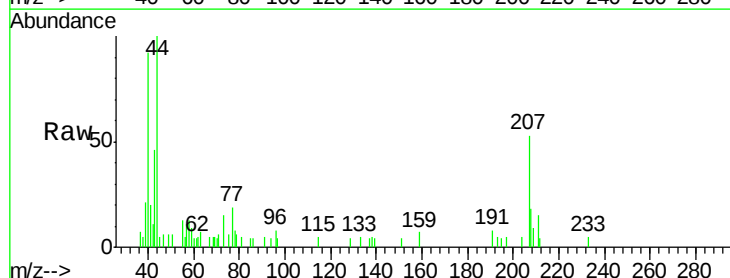
Acq: 23 Apr 2019 20:13

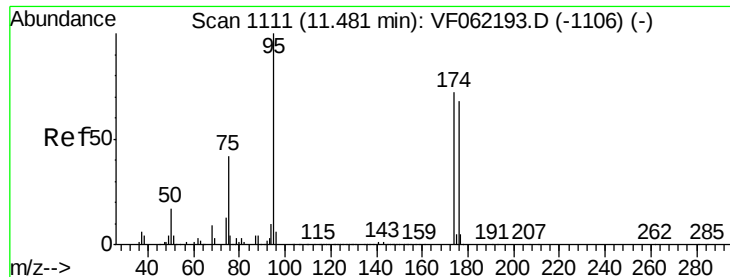
Tgt Ion: 43 Resp: 1816

Ion Ratio Lower Upper

43 100

58 54.8 24.6 74.0





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062274.D

Acq: 23 Apr 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

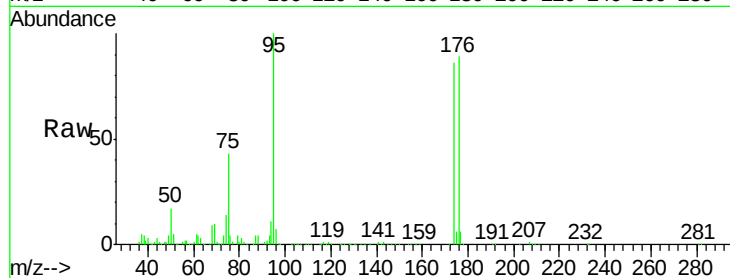
Tot Ion: 95 Resp: 187063

Ion Ratio Lower Upper

95 100

174 91.8 0.0 159.4

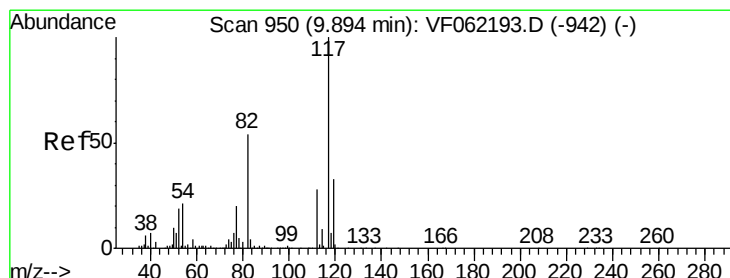
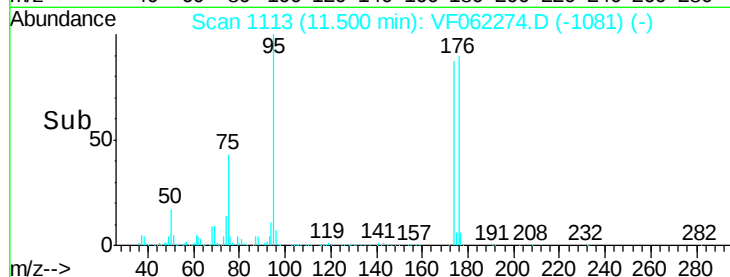
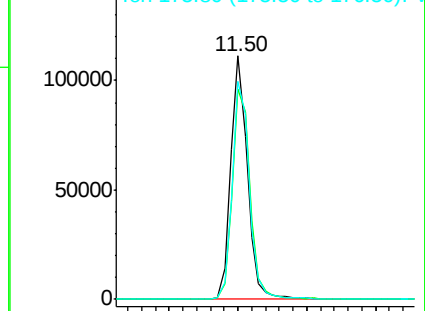
176 91.5 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF062193.D (-1106) (-)

Ion 173.80 (173.50 to 174.50): VF062193.D (-1106) (-)

Ion 175.80 (175.50 to 176.50): VF062193.D (-1106) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062274.D

Acq: 23 Apr 2019 20:13

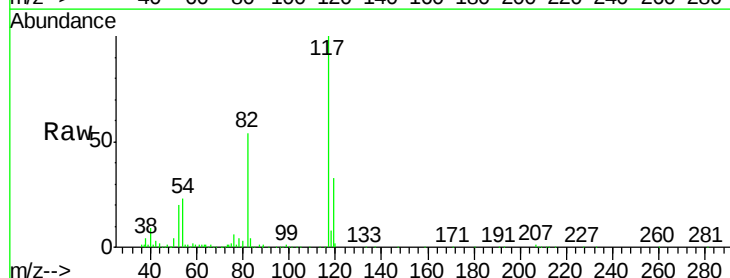
Tgt Ion: 117 Resp: 422776

Ion Ratio Lower Upper

117 100

82 54.0 43.2 64.8

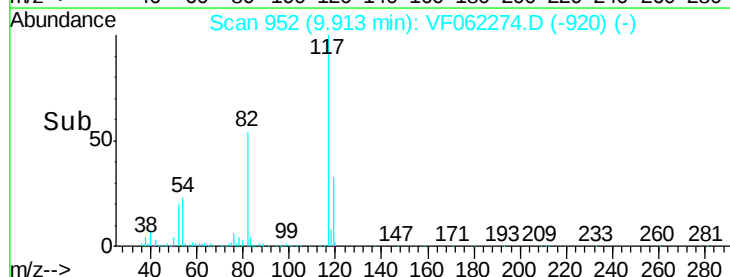
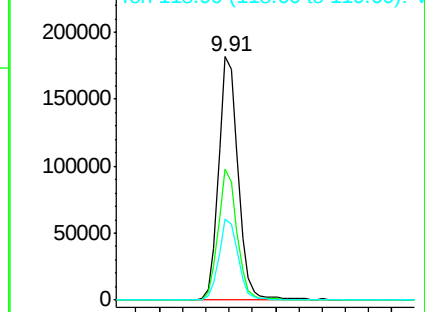
119 33.1 26.2 39.4

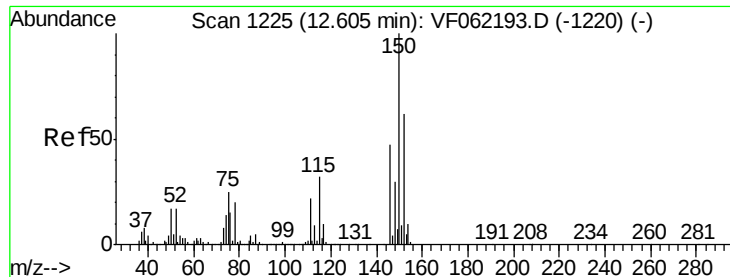


Abundance Ion 116.90 (116.60 to 117.60): VF062193.D (-942) (-)

Ion 82.00 (81.70 to 82.70): VF062193.D (-942) (-)

Ion 118.90 (118.60 to 119.60): VF062193.D (-942) (-)



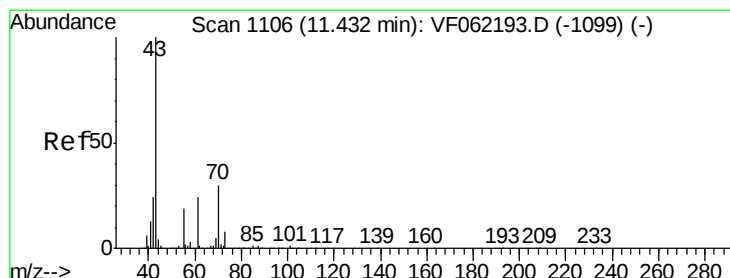
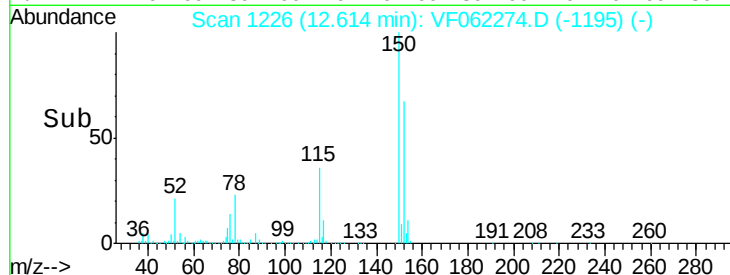
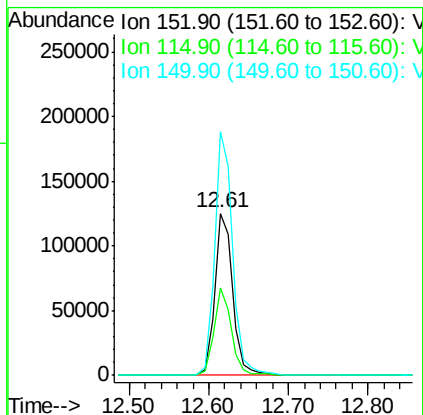
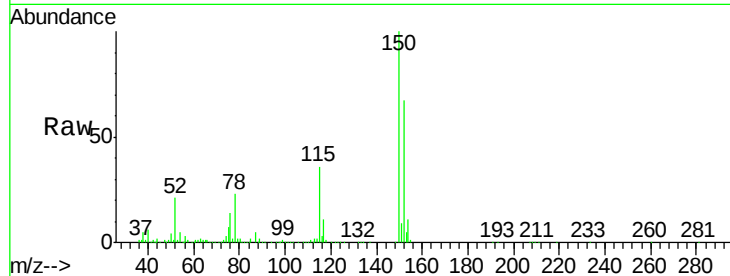


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062274.D
Acq: 23 Apr 2019 20:13

Instrument :
MSVOA_F
ClientSampleId :

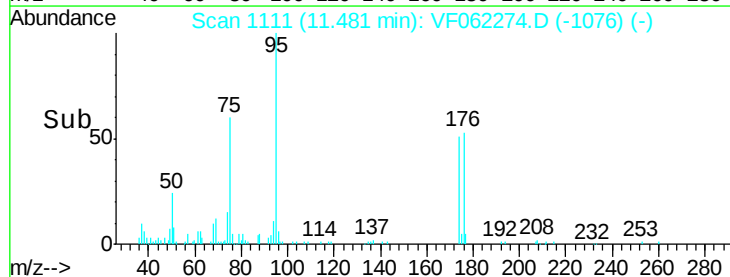
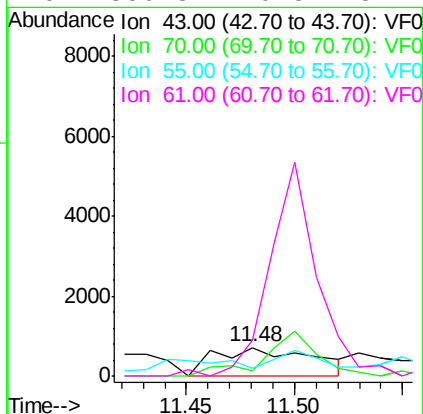
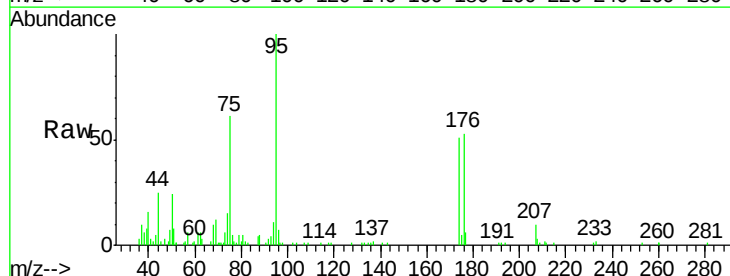
Tot Ion:152 Resp: 198030
Ion Ratio Lower Upper
152 100
115 52.7 27.8 83.3
150 150.5 0.0 341.8

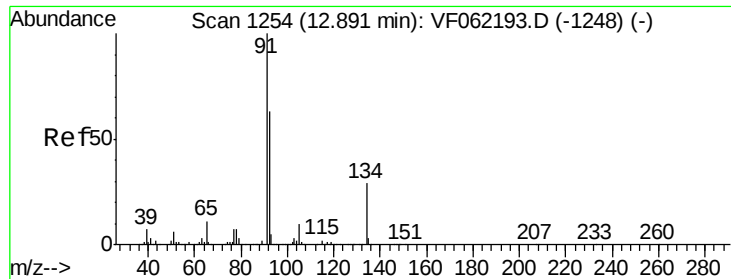


#74

N-amil acetate
Concen: Below Cal
RT: 11.48 min Scan# 1111
Delta R.T. 0.05 min
Lab File: VF062274.D
Acq: 23 Apr 2019 20:13

Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
70 87.2 27.0 40.4#
55 27.0 15.7 23.5#
61 380.3 20.8 31.2#





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062274.D

Acq: 23 Apr 2019 20:13

Instrument :

MSVOA_F

ClientSampleId :

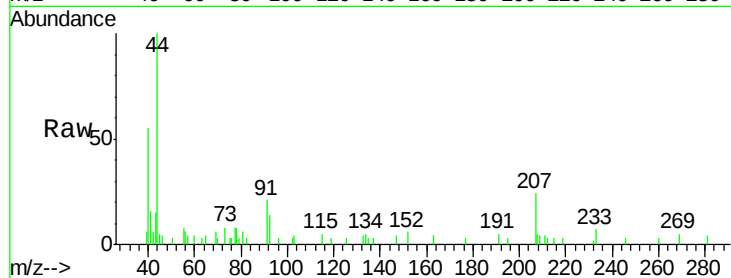
Tot Ion: 91 Resp: 1301

Ion Ratio Lower Upper

91 100

92 75.1 31.2 93.6

134 33.1 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

