

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061219.D
 Acq On : 27 Dec 2018 20:31
 Operator : VA/AP
 Sample : J6486-02
 Misc : 6.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0054

Quant Time: Dec 28 00:21:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.87
34) 1,4-Difluorobenzene	5.59	114	62	50.00	ug/l	0.00
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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	83	0.00	ug/l	0.02
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.40	95	89	137.16	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	274.32%	

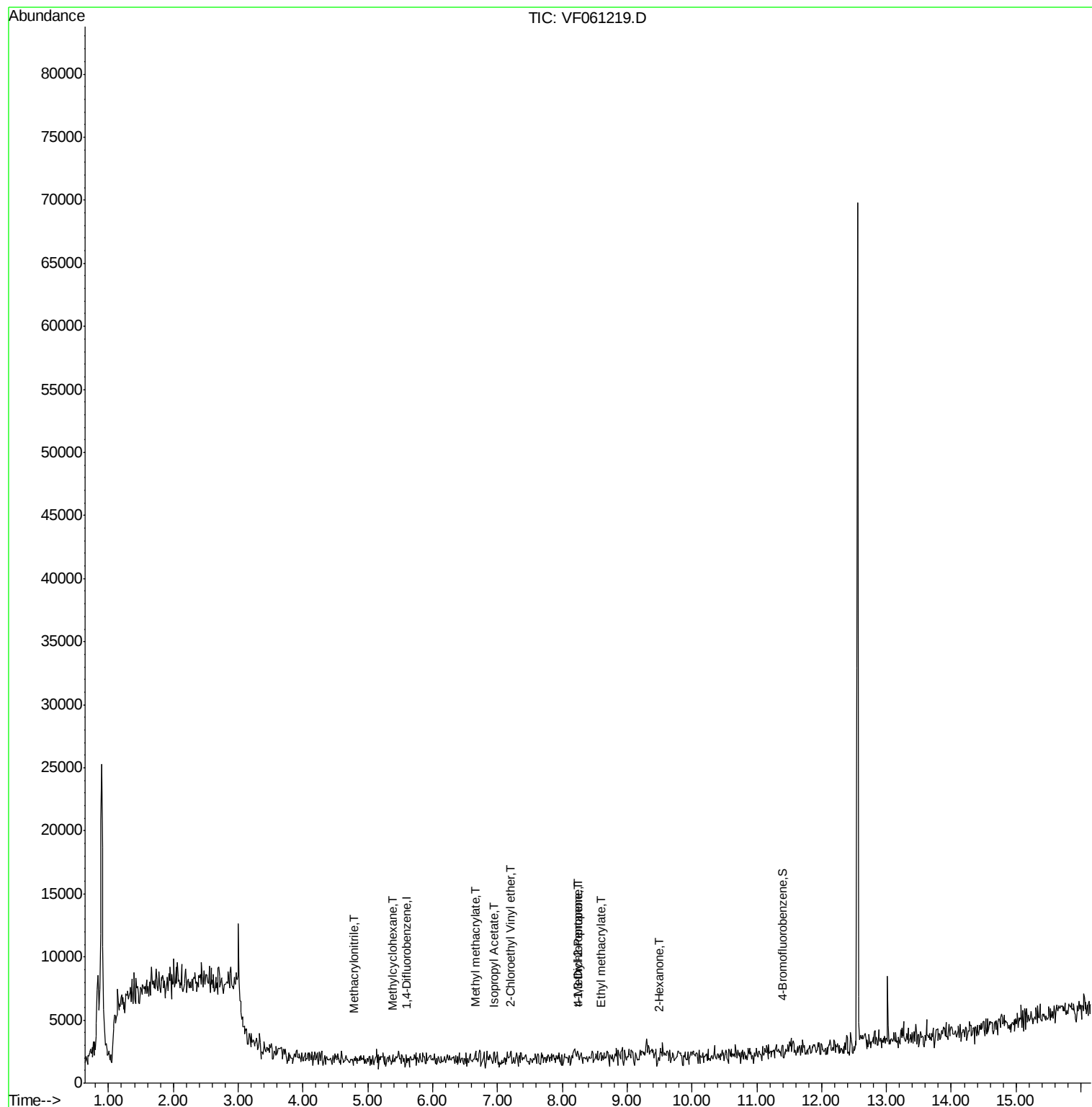
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	4.12	43	318	Below Cal	#	21
39) Methylcyclohexane	5.37	83	60	89.366	ug/l #	14
41) Methacrylonitrile	4.78	41	70	442.896	ug/l #	27
43) Isopropyl Acetate	6.95	43	250	691.837	ug/l #	45
48) Methyl methacrylate	6.67	41	399	1581.666	ug/l #	19
51) 4-Methyl-2-Pentanone	8.24	43	192	774.736	ug/l #	38
53) t-1,3-Dichloropropene	8.24	75	71	119.275	ug/l #	42
56) Ethyl methacrylate	8.60	69	63	182.299	ug/l #	20
58) 2-Chloroethyl Vinyl ether	7.20	63	70	1054.656	ug/l #	50
59) 2-Hexanone	9.49	43	105	585.864	ug/l #	27

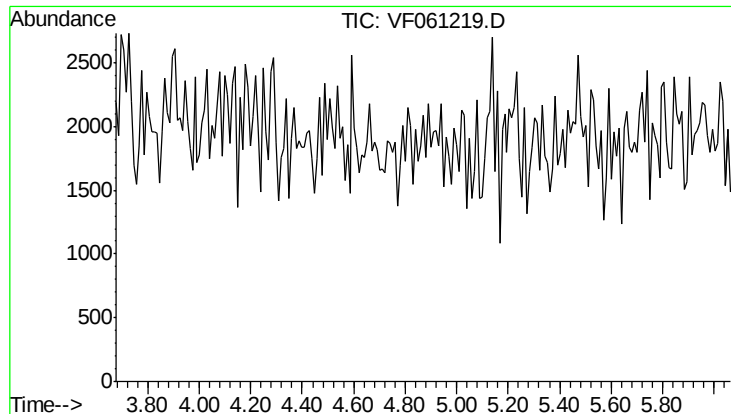
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061219.D

Acq: 27 Dec 2018 20:31

Tot Ion: 168

Sig Exp Ratio

168 100

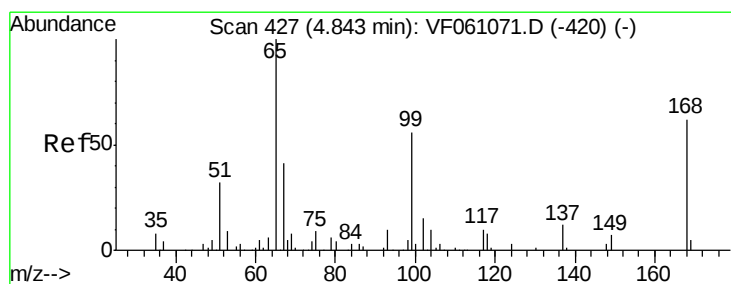
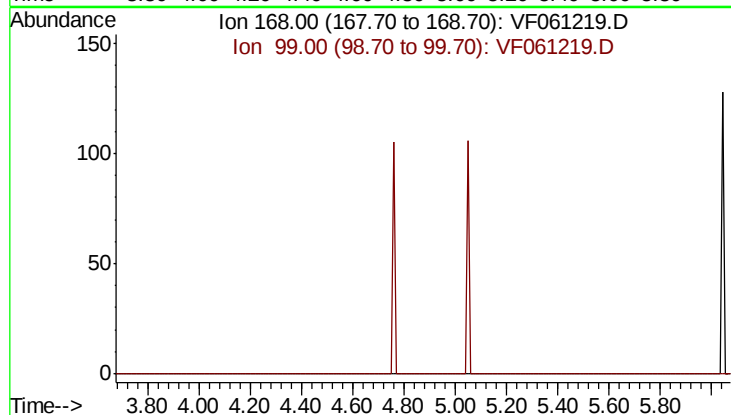
99 68.0

Instrument :

MSVOA_F

ClientSampleId :

S72-0054



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.02 min

Lab File: VF061219.D

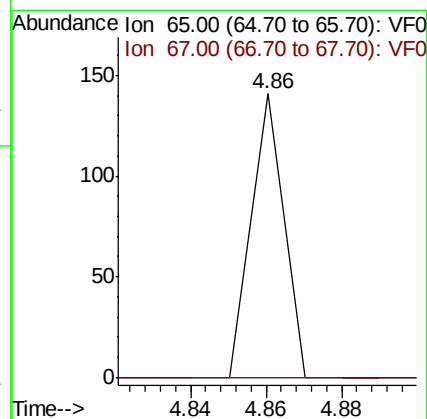
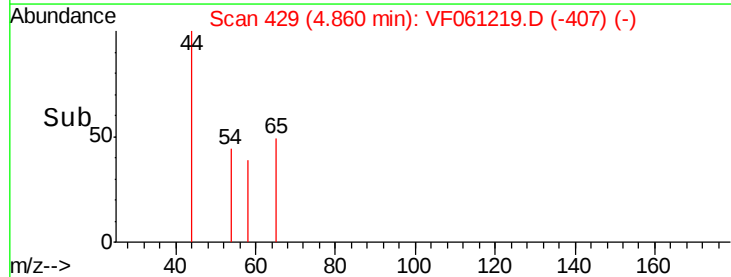
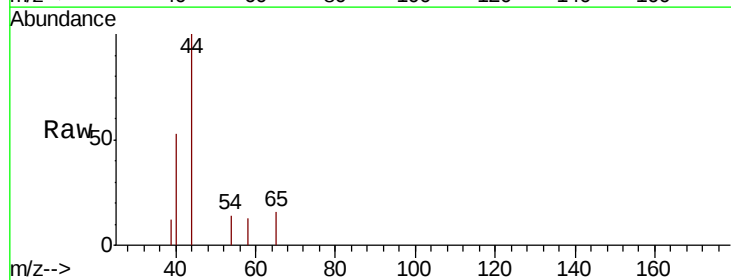
Acq: 27 Dec 2018 20:31

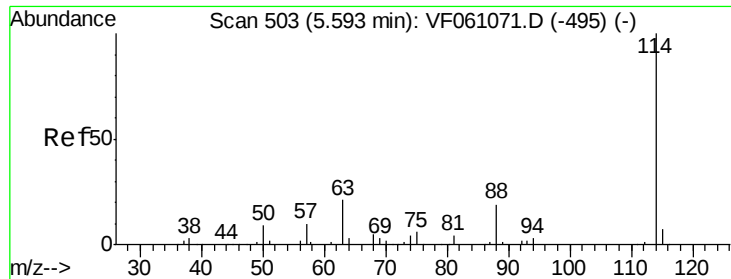
Tgt Ion: 65 Resp: 83

Ion Ratio Lower Upper

65 100

67 0.0 0.0 94.6

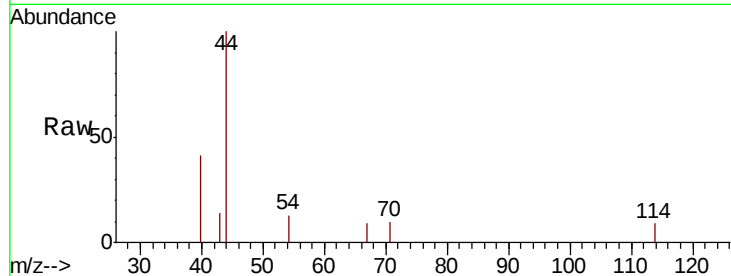




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061219.D
 Acq: 27 Dec 2018 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0054

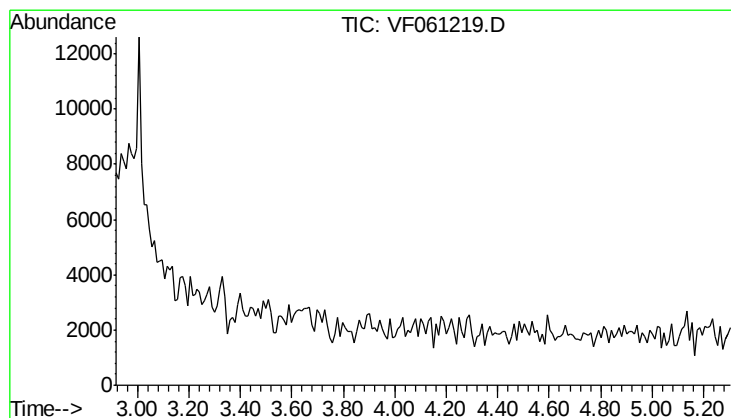
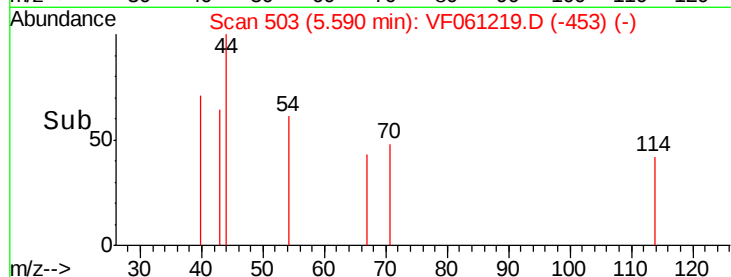
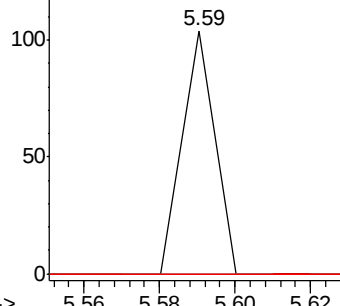
Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	41.6
88	0.0	0.0	38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

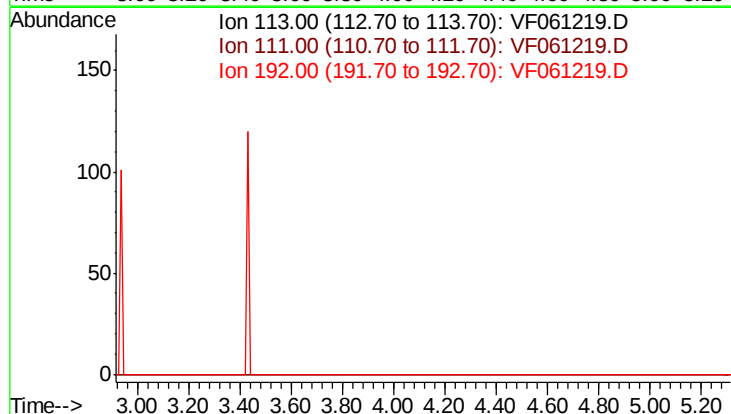
Ion 88.00 (87.70 to 88.70): VF0

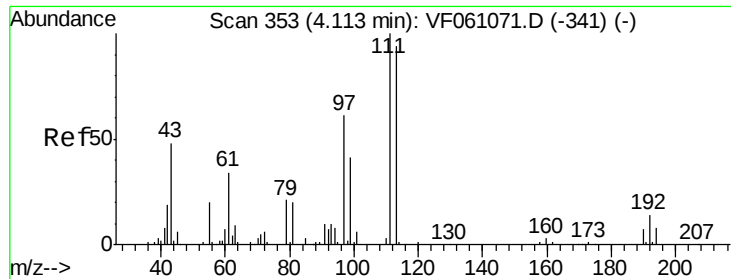


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.11 min

Lab File: VF061219.D
 Acq: 27 Dec 2018 20:31

Tgt Ion	Exp Ratio
113	100
111	106.5
192	16.0





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061219.D

Acq: 27 Dec 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

S72-0054

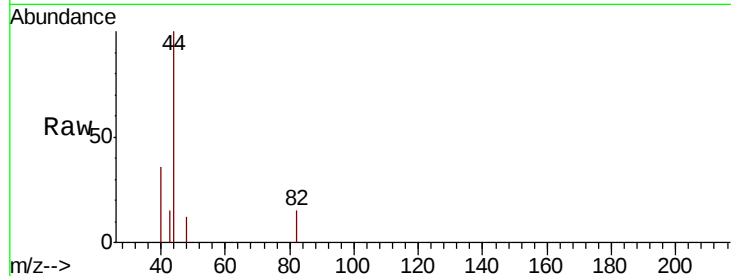
Tot Ion: 43 Resp: 318

Ion Ratio Lower Upper

43 100

61 0.0 56.6 84.8#

70 0.0 6.3 9.5#



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

300

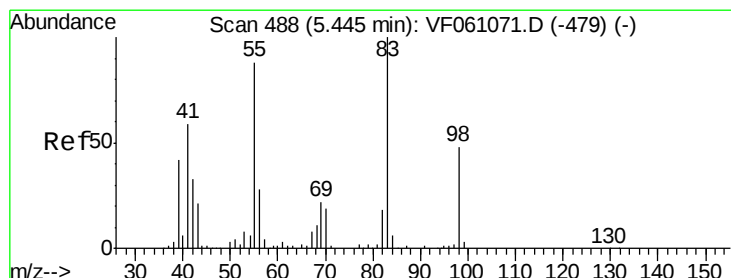
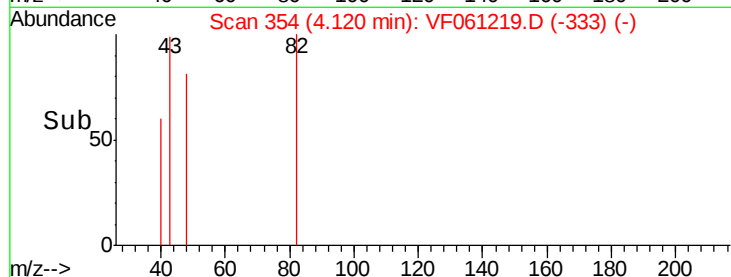
200

100

0

4.10 4.12 4.15

Time-->



#39

Methylcyclohexane

Concen: 89.366 ug/l

RT: 5.37 min Scan# 481

Delta R.T. -0.07 min

Lab File: VF061219.D

Acq: 27 Dec 2018 20:31

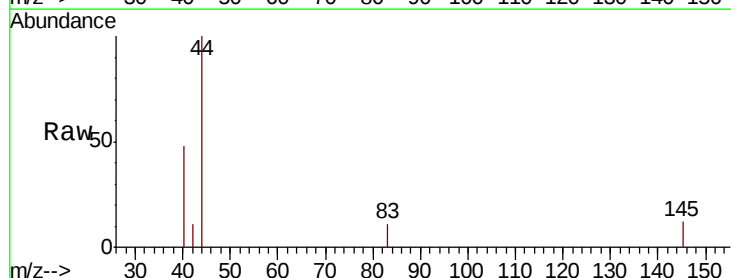
Tgt Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

55 0.0 70.6 105.8#

98 0.0 38.5 57.7#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

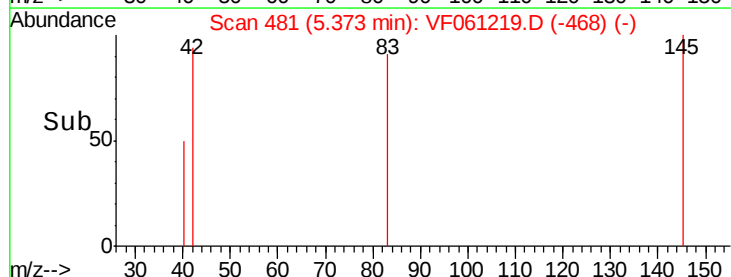
100

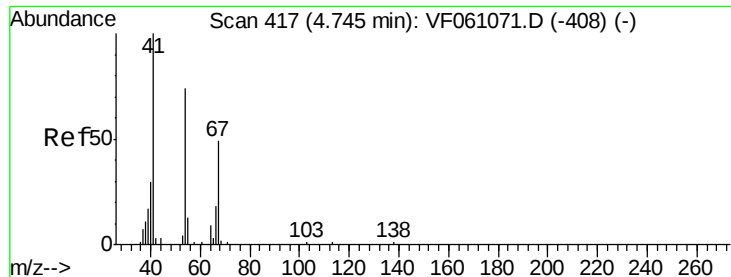
50

0

5.34 5.36 5.37 5.40

Time-->





#41

Methacrylonitrile

Concen: 442.896 ug/l

RT: 4.78 min Scan# 421

Delta R.T. 0.04 min

Lab File: VF061219.D

Acq: 27 Dec 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

S72-0054

Tot Ion: 41 Resp: 70

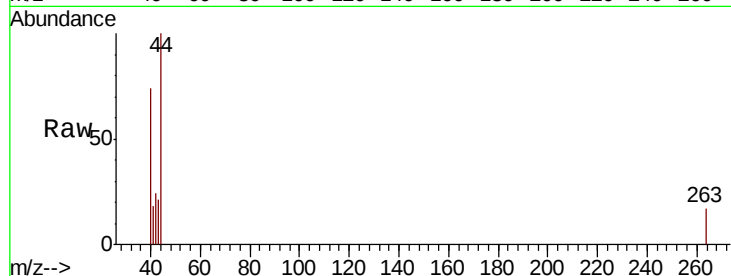
Ion Ratio Lower Upper

41 100

39 0.0 45.7 68.5#

67 0.0 38.9 58.3#

52 0.0 35.2 52.8#

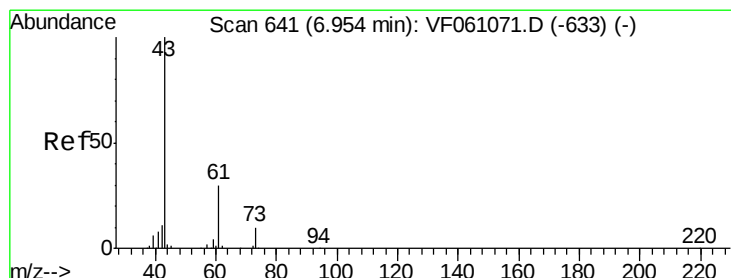
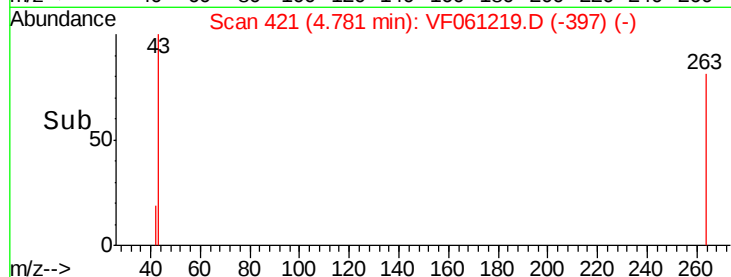
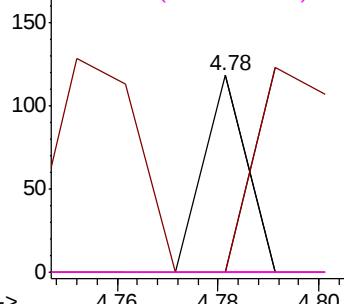


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#43

Isopropyl Acetate

Concen: 691.837 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061219.D

Acq: 27 Dec 2018 20:31

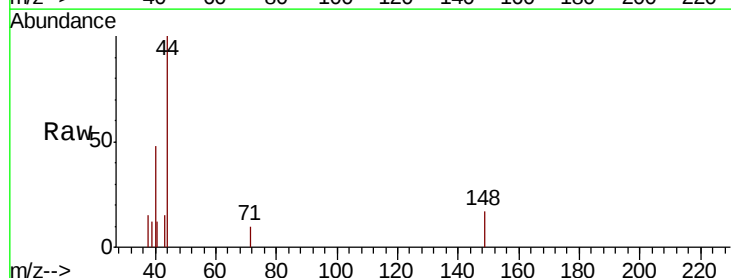
Tgt Ion: 43 Resp: 250

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

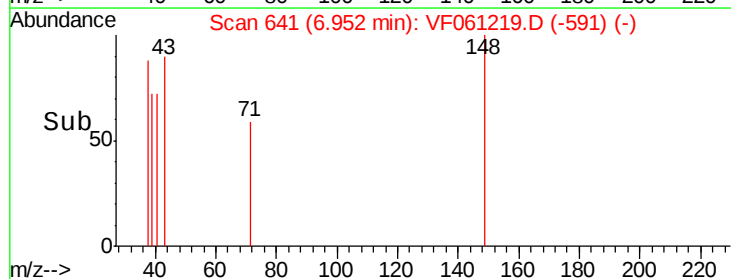
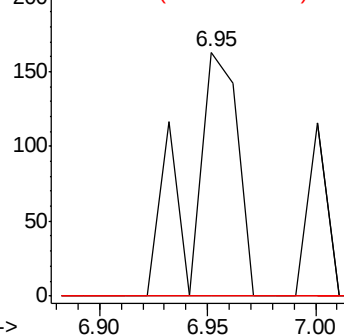
87 0.0 0.0 0.0

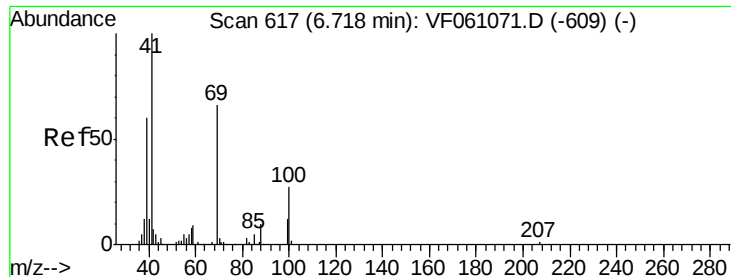


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#48

Methyl methacrylate

Concen: 1581.666 ug/l

RT: 6.67 min Scan# 612

Delta R.T. -0.05 min

Lab File: VF061219.D

Acq: 27 Dec 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

S72-0054

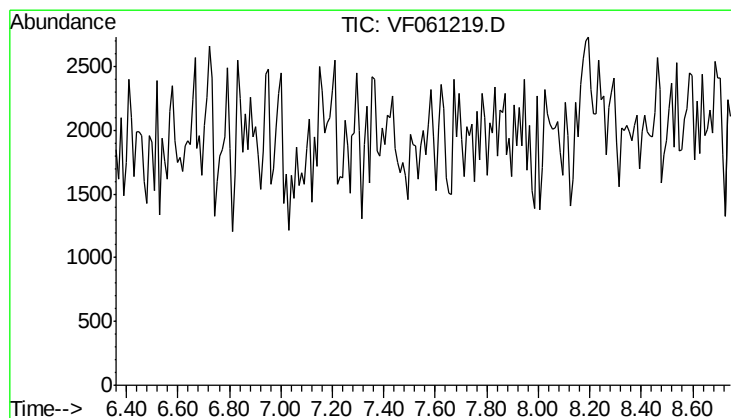
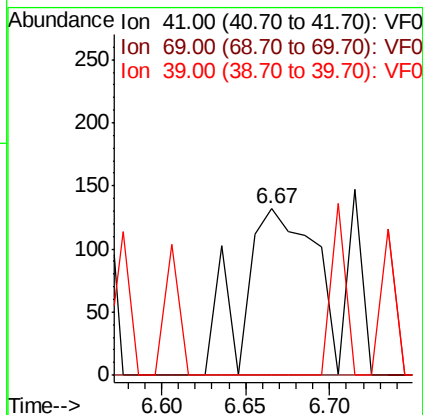
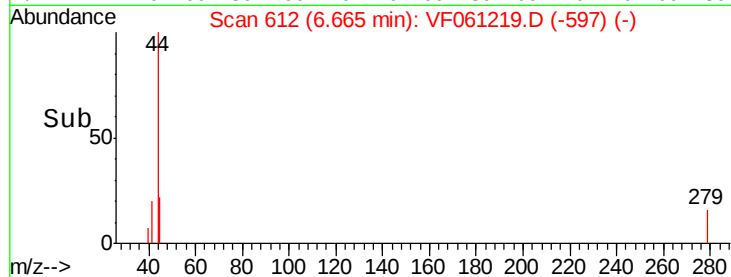
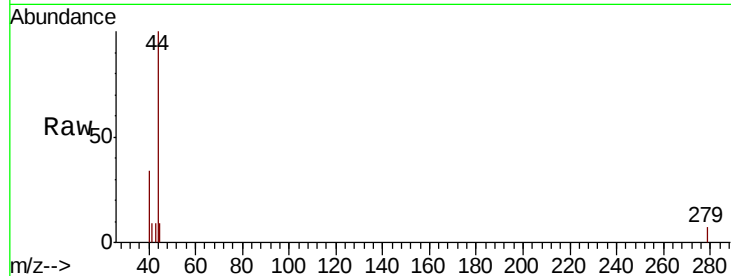
Tot Ion: 41 Resp: 399

Ion Ratio Lower Upper

41 100

69 0.0 52.7 79.1#

39 0.0 47.8 71.6#



#50

Toluene-d8

Concen: 0.000 ug/l

Expected RT: 7.56 min

Lab File: VF061219.D

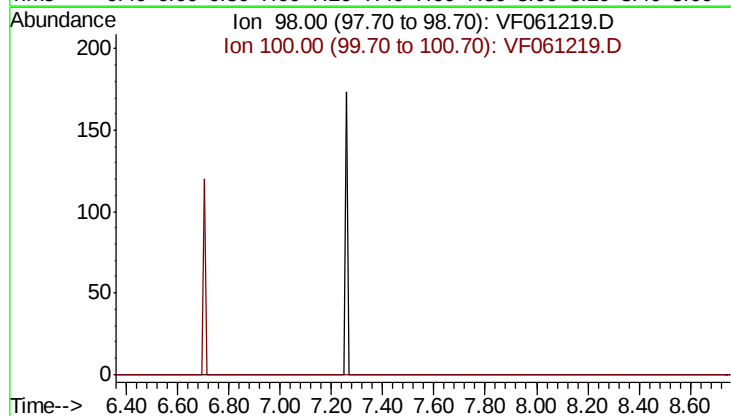
Acq: 27 Dec 2018 20:31

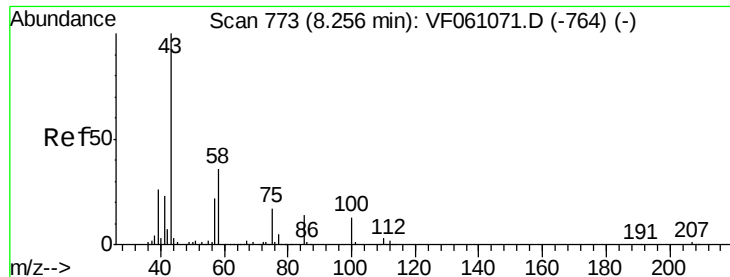
Tgt Ion: 98

Sig Exp Ratio

98 100

100 69.1





#51

4-Methyl-2-Pentanone

Concen: 774.736 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061219.D

Acq: 27 Dec 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

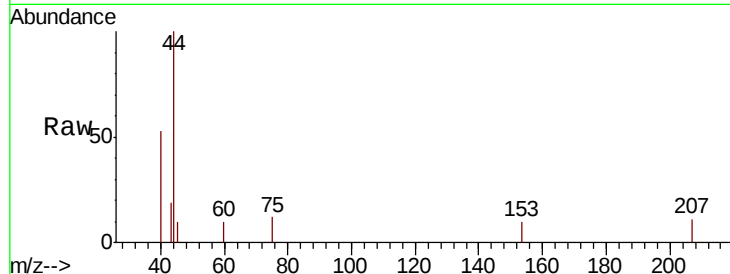
S72-0054

Tot Ion: 43 Resp: 192

Ion Ratio Lower Upper

43 100

58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

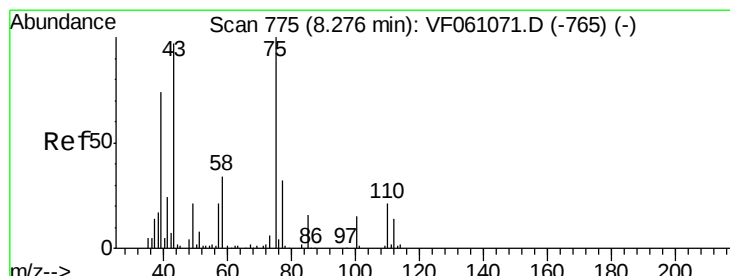
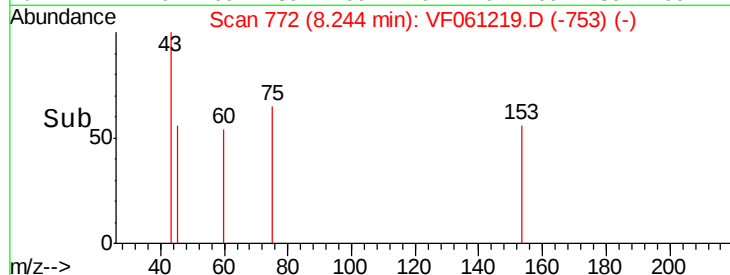
Ion 58.00 (57.70 to 58.70): VF0

8.24

153

207

Time--> 8.22 8.24 8.26



#53

t-1,3-Dichloropropene

Concen: 119.275 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061219.D

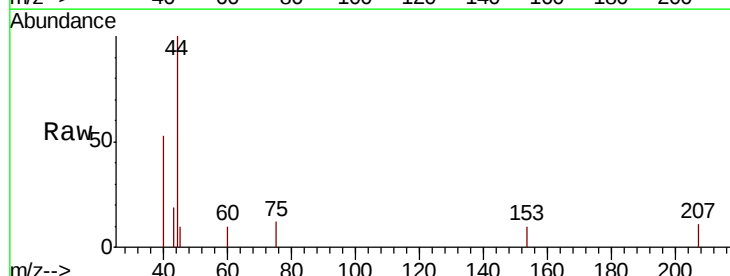
Acq: 27 Dec 2018 20:31

Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

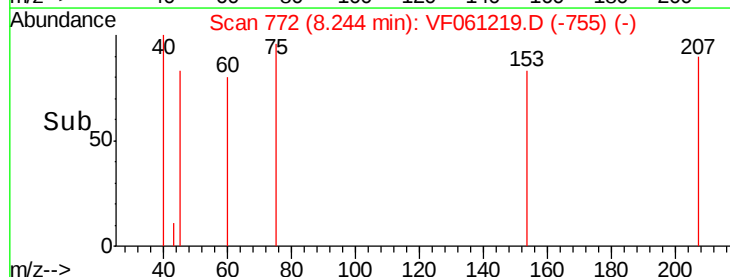
Ion 77.00 (76.70 to 77.70): VF0

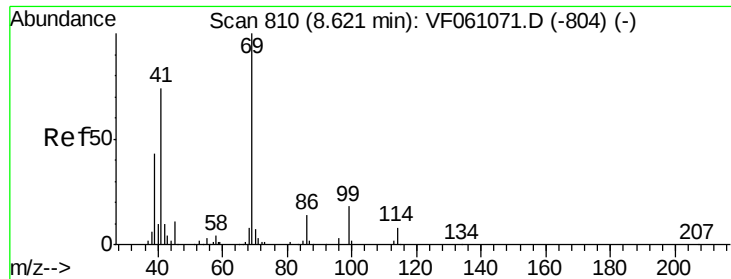
8.24

153

207

Time--> 8.22 8.24 8.26





#56

Ethyl methacrylate

Concen: 182.299 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF061219.D

Acq: 27 Dec 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

S72-0054

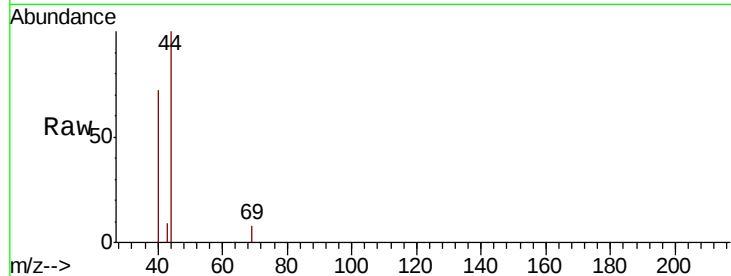
Tot Ion: 69 Resp: 63

Ion Ratio Lower Upper

69 100

41 0.0 59.7 89.5#

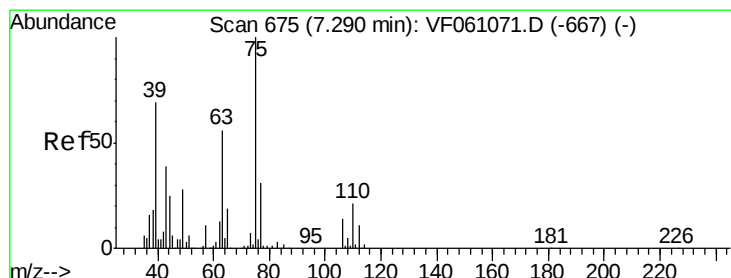
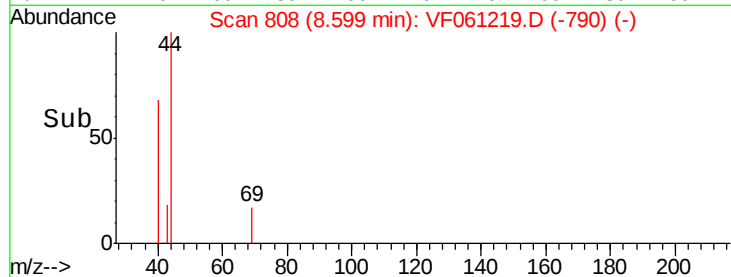
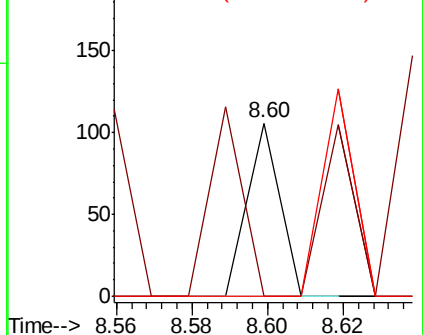
39 0.0 35.0 52.6#



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



#58

2-Chloroethyl Vinyl ether

Concen: 1054.656 ug/l

RT: 7.20 min Scan# 666

Delta R.T. -0.09 min

Lab File: VF061219.D

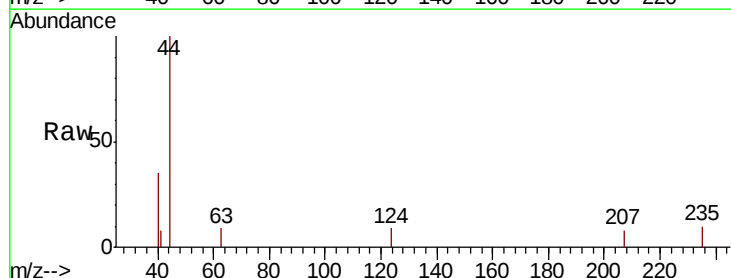
Acq: 27 Dec 2018 20:31

Tgt Ion: 63 Resp: 70

Ion Ratio Lower Upper

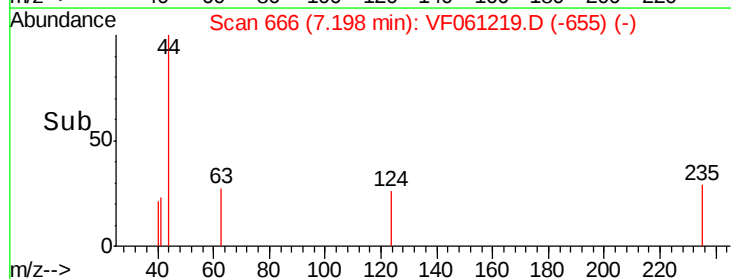
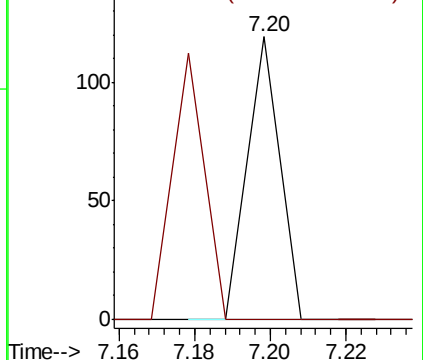
63 100

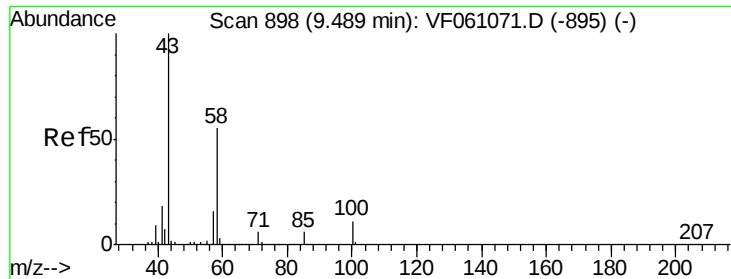
106 0.0 19.8 29.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

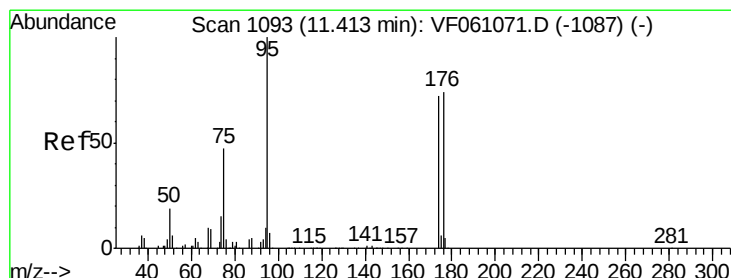
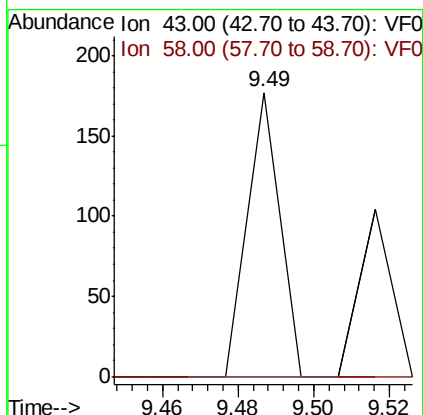
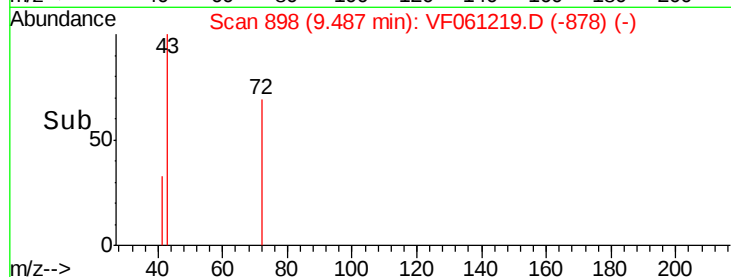
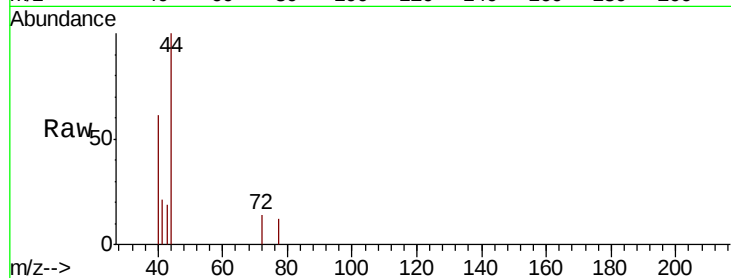




#59
2-Hexanone
Concen: 585.864 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.00 min
Lab File: VF061219.D
Acq: 27 Dec 2018 20:31

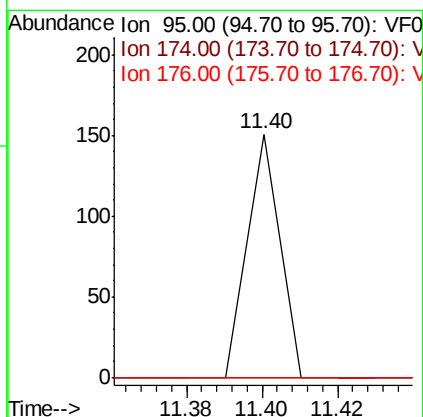
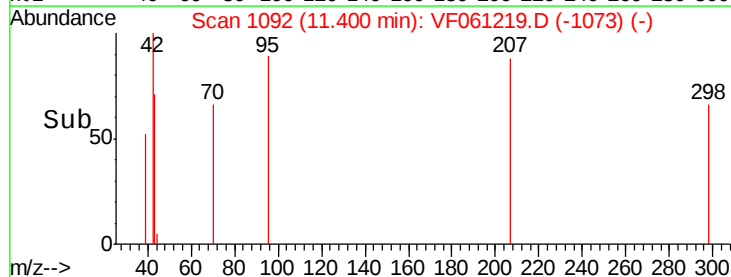
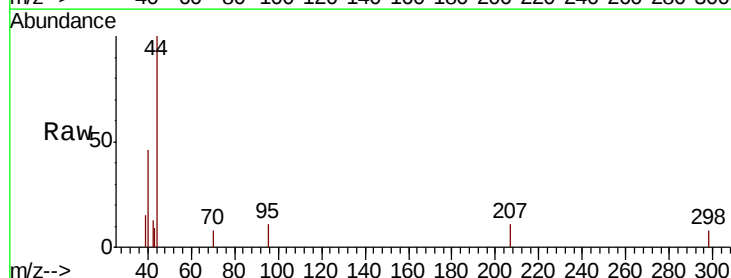
Instrument :
MSVOA_F
ClientSampleId :
S72-0054

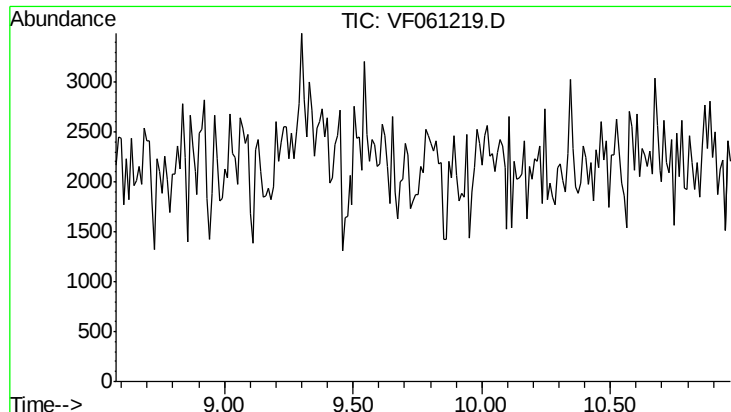
Tot Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 137.164 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061219.D
Acq: 27 Dec 2018 20:31

Tgt Ion: 95 Resp: 89
Ion Ratio Lower Upper
95 100
174 0.0 0.0 143.8
176 0.0 0.0 147.6



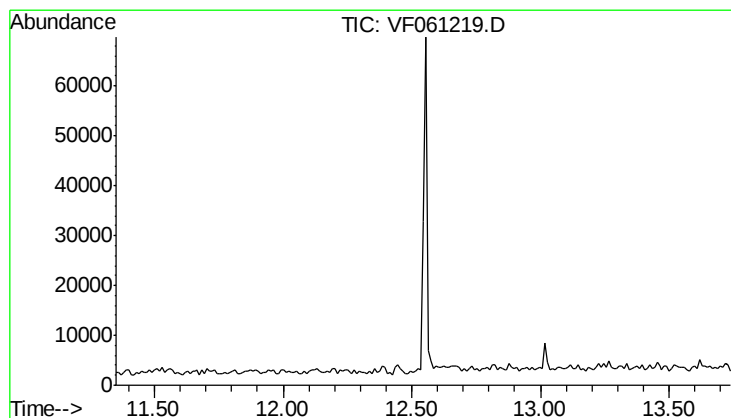
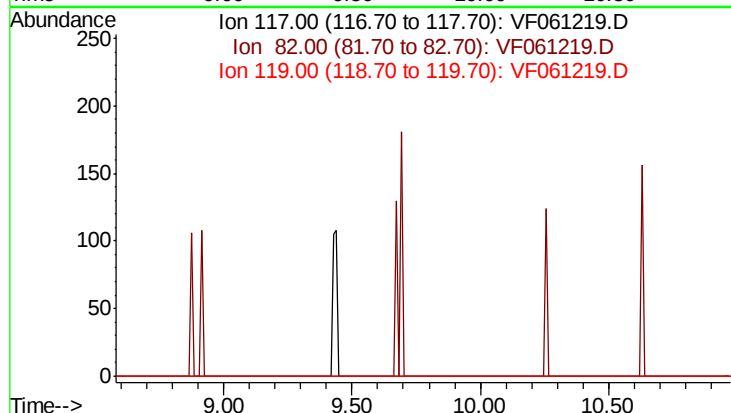


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.78 min

Lab File: VF061219.D
 Acq: 27 Dec 2018 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0054

Tot Ion: 117
 Sig Exp Ratio
 117 100
 82 56.2
 119 31.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min

Lab File: VF061219.D
 Acq: 27 Dec 2018 20:31

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 115 66.6
 150 164.1

