

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061399.D
 Acq On : 14 Jan 2019 19:56
 Operator : VA/AP
 Sample : K1139-13
 Misc : 6.63g/5mL/MSVOA-F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-7

Quant Time: Jan 14 21:43:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 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	5.82	114	60	50.00	ug/l	0.21
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.79
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.97	65	60	0.00	ug/l	0.11
Spiked Amount			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
50) Toluene-d8	7.89	98	79	58.15	ug/l	0.32
Spiked Amount			Recovery	=	116.30%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	

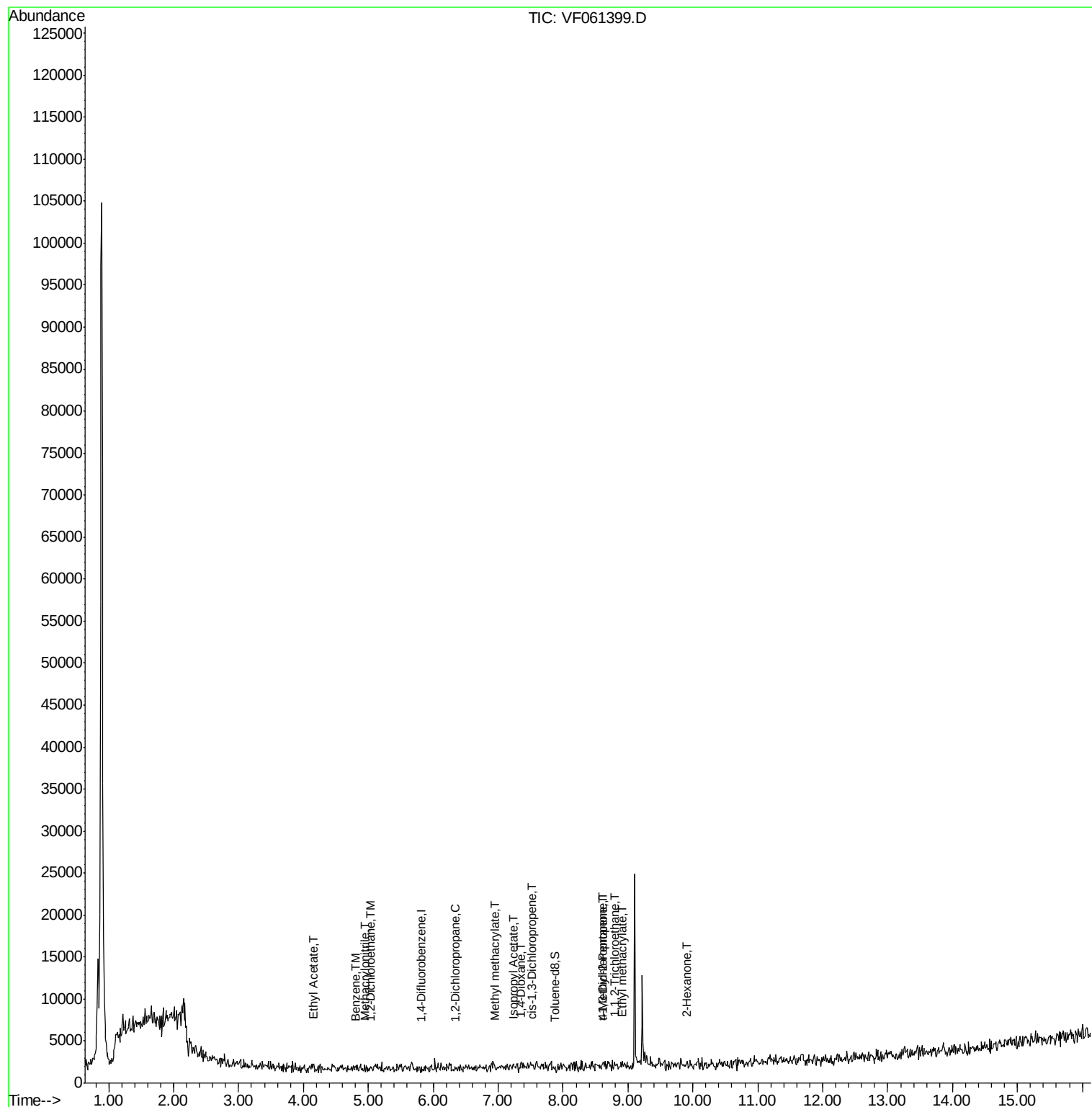
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	4.16	43	108	423.277	ug/l #	1
40) Benzene	4.80	78	63	38.513	ug/l #	51
41) Methacrylonitrile	4.96	41	80	561.459	ug/l #	24
42) 1,2-Dichloroethane	5.04	62	62	121.741	ug/l	76
43) Isopropyl Acetate	7.23	43	89	264.204	ug/l #	45
45) 1,2-Dichloropropane	6.33	63	60	144.238	ug/l #	43
48) Methyl methacrylate	6.95	41	167	763.764	ug/l #	21
49) 1,4-Dioxane	7.35	88	88	63782.968	ug/l #	20
51) 4-Methyl-2-Pentanone	8.60	43	133	523.082	ug/l #	38
53) t-1,3-Dichloropropene	8.60	75	140	280.653	ug/l #	44
54) cis-1,3-Dichloropropene	7.53	75	65	98.275	ug/l #	29
55) 1,1,2-Trichloroethane	8.80	97	81	275.308	ug/l #	15
56) Ethyl methacrylate	8.91	69	65	197.673	ug/l #	20
59) 2-Hexanone	9.90	43	66	366.398	ug/l #	27

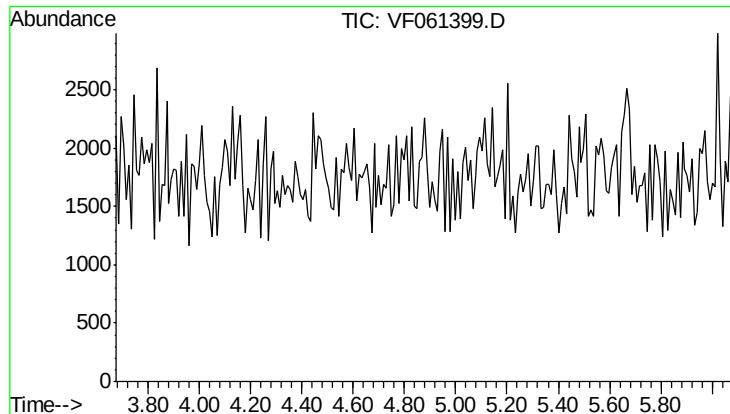
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

Tot Ion: 168

Sig Exp Ratio

168 100

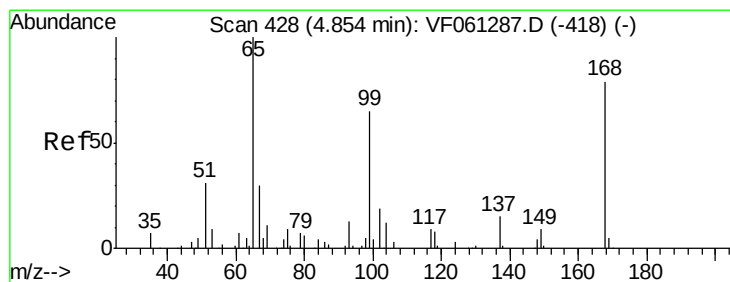
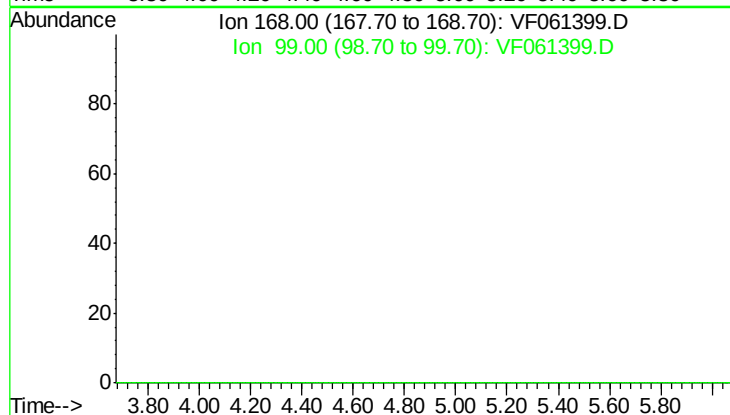
99 65.9

Instrument :

MSVOA_F

ClientSampleId :

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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.97 min Scan# 440

Delta R.T. 0.11 min

Lab File: VF061399.D

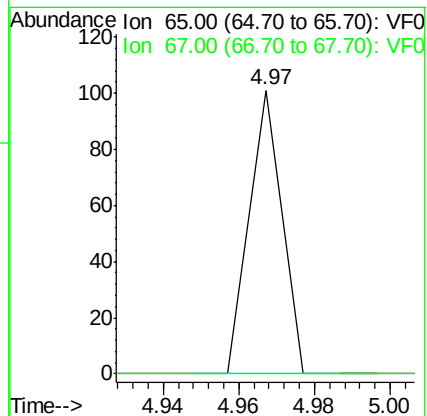
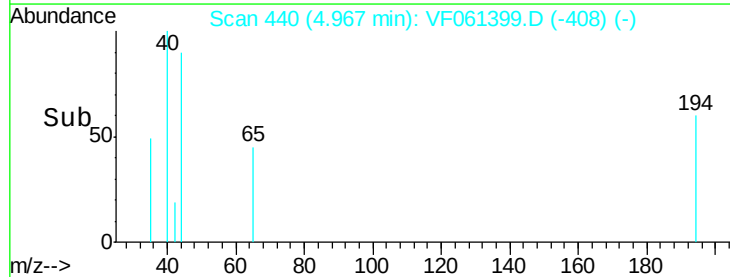
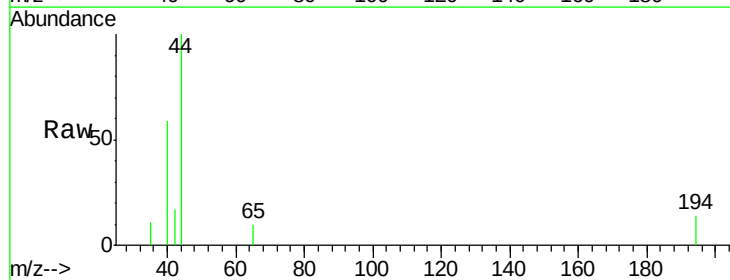
Acq: 14 Jan 2019 19:56

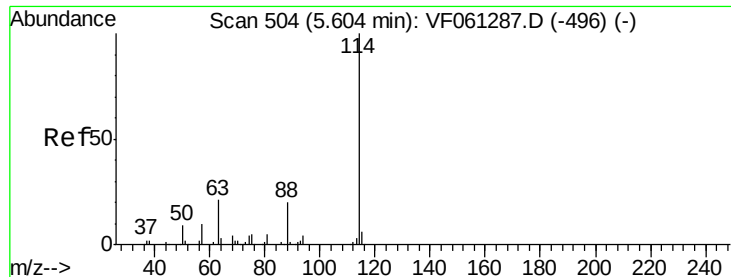
Tgt Ion: 65 Resp: 60

Ion Ratio Lower Upper

65 100

67 0.0 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.82 min Scan# 526

Delta R.T. 0.21 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

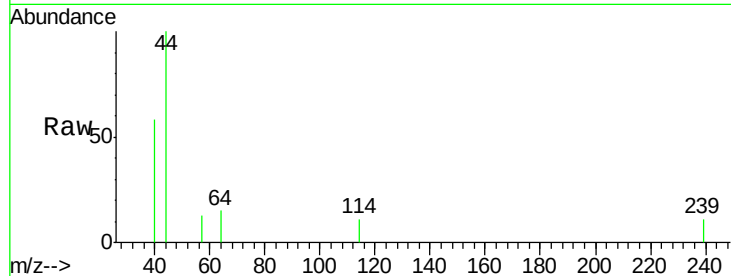
Instrument :

MSVOA_F

ClientSampleId :

S-7

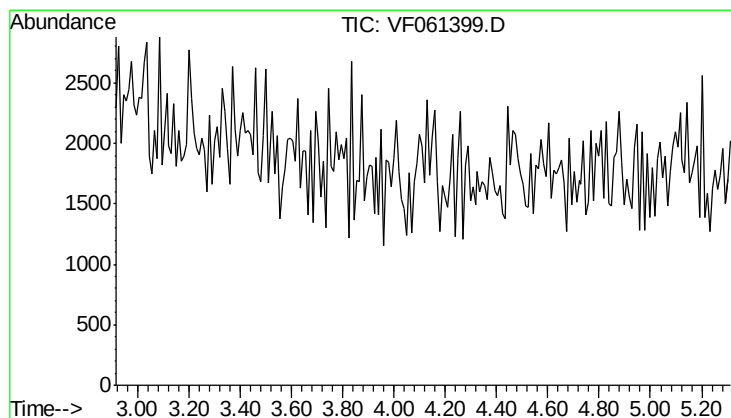
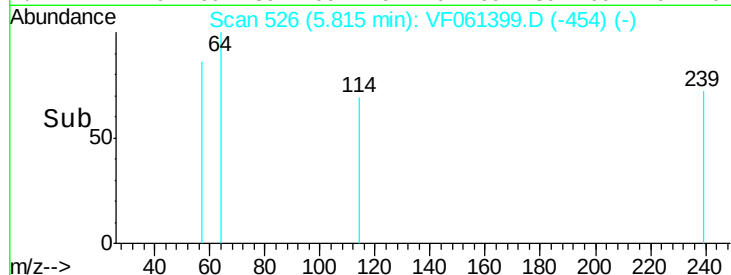
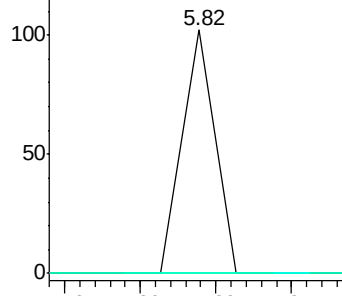
Tot Ion:	114	Resp:	60
Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	42.8
88	0.0	0.0	40.0



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

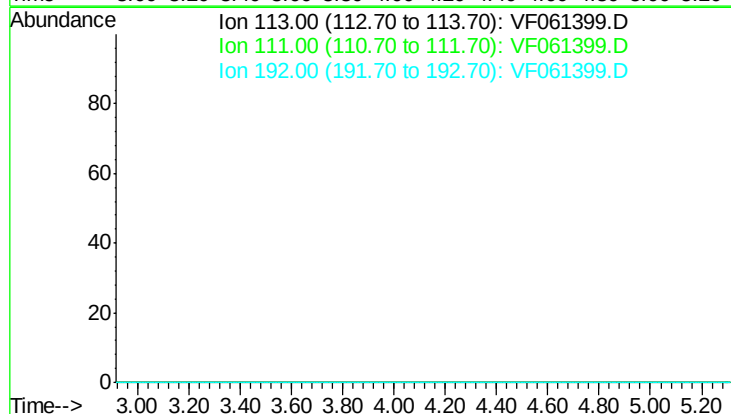
Concen: 0.000 ug/l

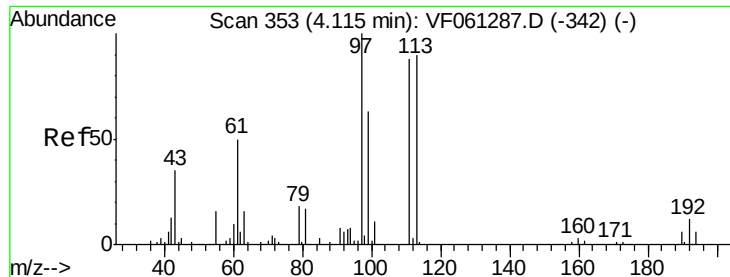
Expected RT: 4.11 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	97.5
192	13.3





#37

Ethyl Acetate

Concen: 423.277 ug/l

RT: 4.16 min Scan# 358

Delta R.T. 0.04 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

Instrument :

MSVOA_F

ClientSampleId :

S-7

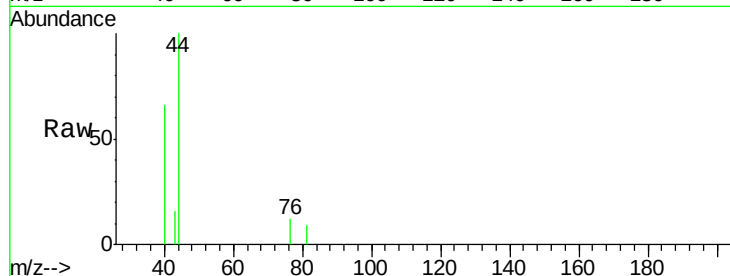
Tot Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

61 0.0 113.3 169.9#

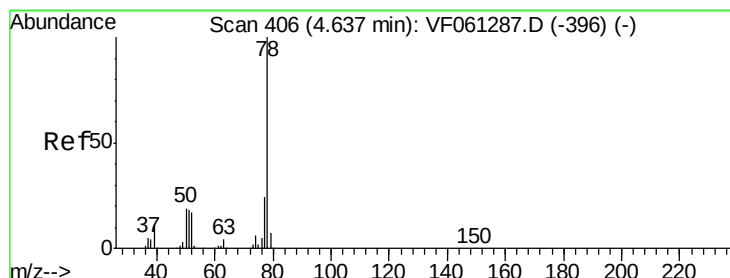
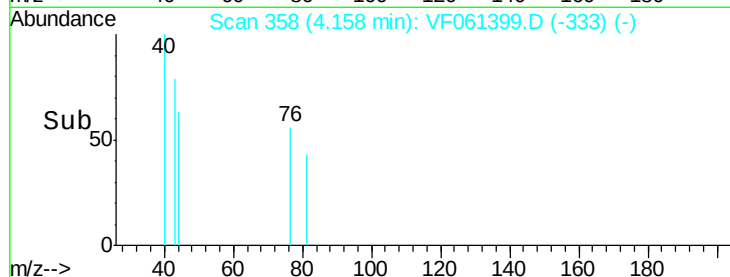
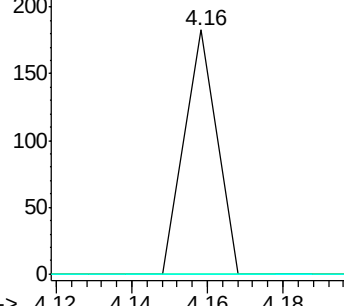
70 0.0 9.4 14.0#



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: 38.513 ug/l

RT: 4.80 min Scan# 423

Delta R.T. 0.16 min

Lab File: VF061399.D

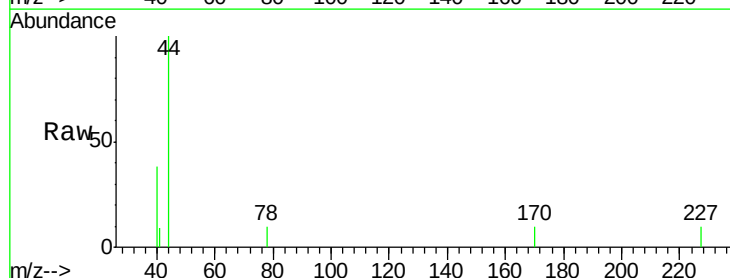
Acq: 14 Jan 2019 19:56

Tgt Ion: 78 Resp: 63

Ion Ratio Lower Upper

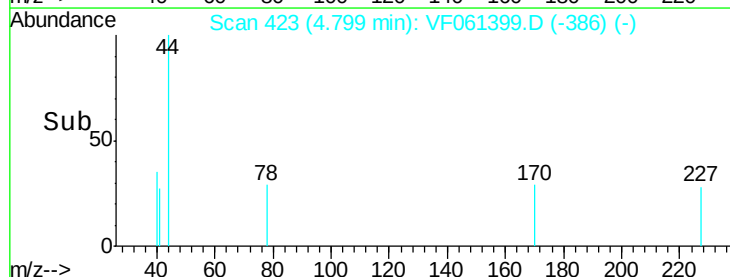
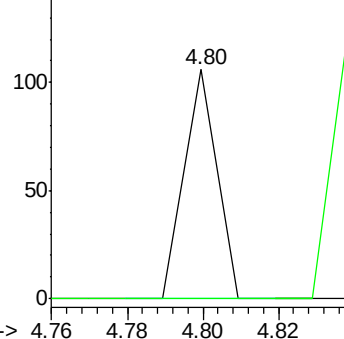
78 100

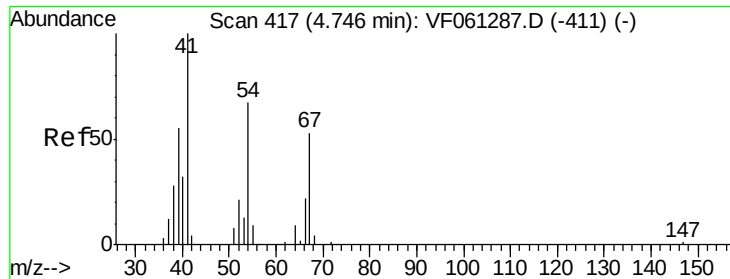
77 0.0 19.1 28.7#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

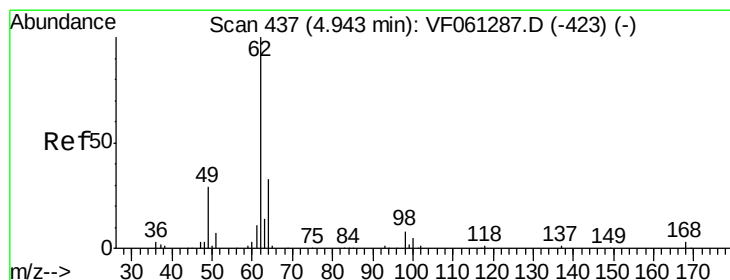
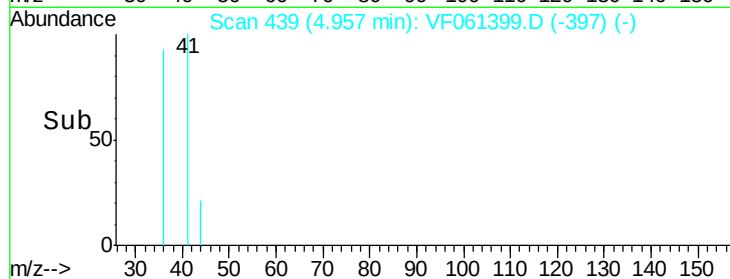
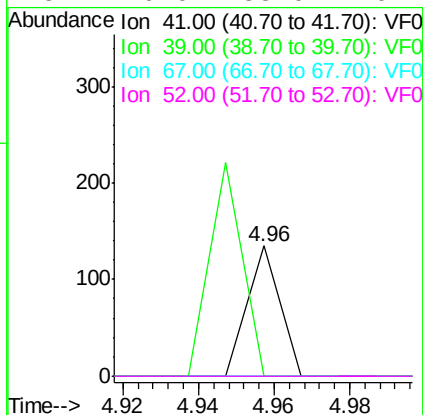
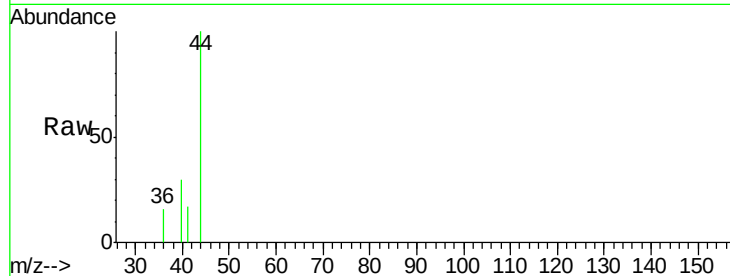




#41
Methacrylonitrile
Concen: 561.459 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.21 min
Lab File: VF061399.D
Acq: 14 Jan 2019 19:56

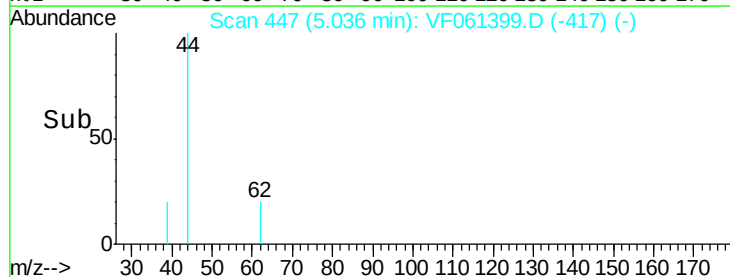
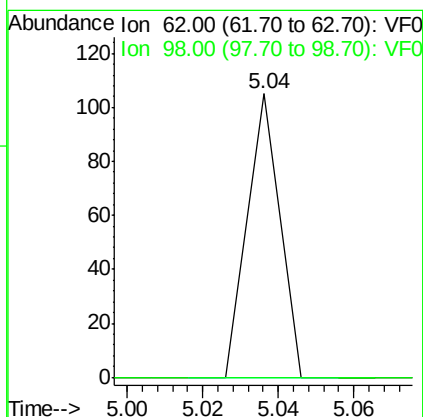
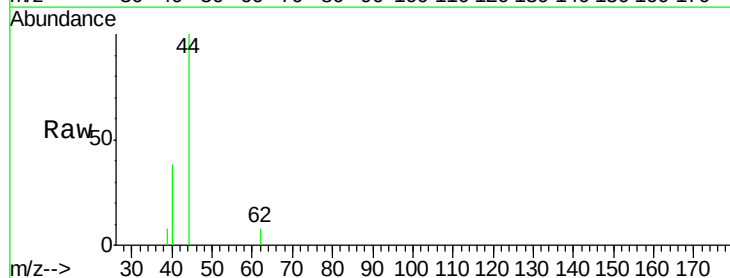
Instrument :
MSVOA_F
ClientSampleId :
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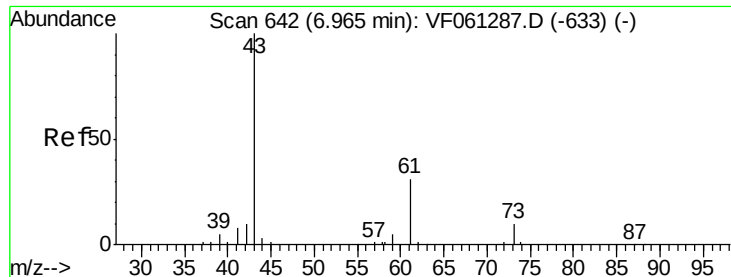
Tot Ion:	41	Resp:	80
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.7	79.1#
67	0.0	41.4	62.2#
52	0.0	33.0	49.4#



#42
1,2-Dichloroethane
Concen: 121.741 ug/l
RT: 5.04 min Scan# 447
Delta R.T. 0.09 min
Lab File: VF061399.D
Acq: 14 Jan 2019 19:56

Tgt Ion:	62	Resp:	62
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.8





#43

Isopropyl Acetate

Concen: 264.204 ug/l

RT: 7.23 min Scan# 669

Delta R.T. 0.26 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

Instrument :

MSVOA_F

ClientSampleId :

S-7

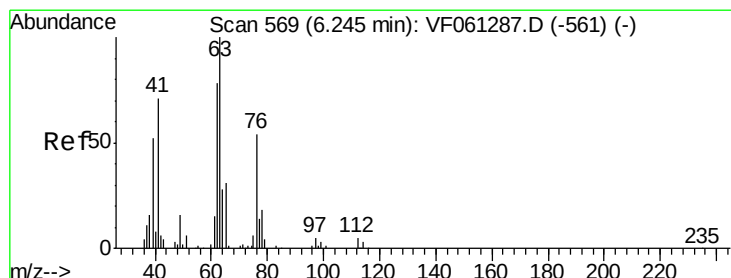
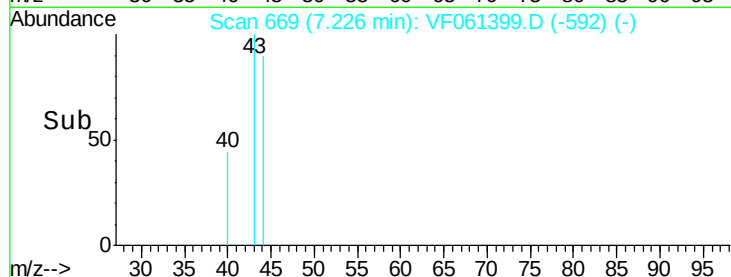
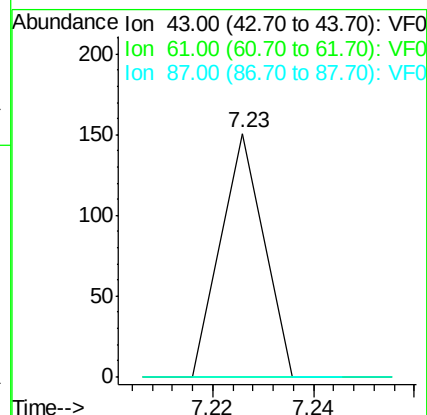
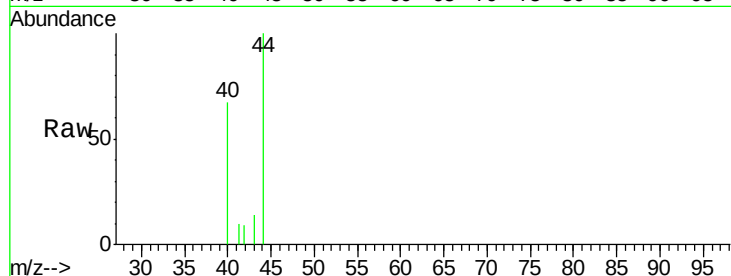
Tot Ion: 43 Resp: 89

Ion Ratio Lower Upper

43 100

61 0.0 24.3 36.5#

87 0.0 0.2 0.4#



#45

1,2-Dichloropropane

Concen: 144.238 ug/l

RT: 6.33 min Scan# 578

Delta R.T. 0.08 min

Lab File: VF061399.D

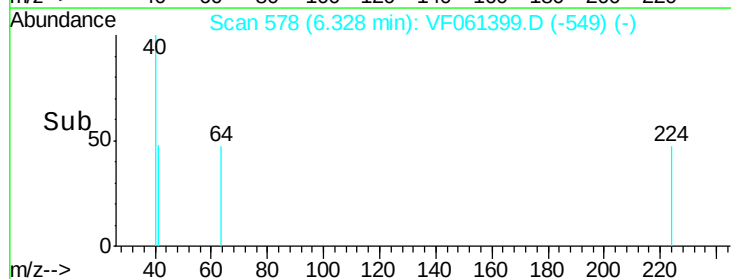
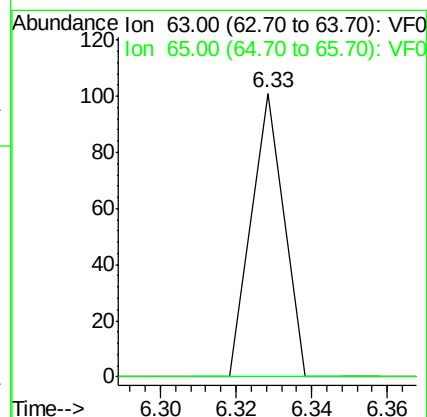
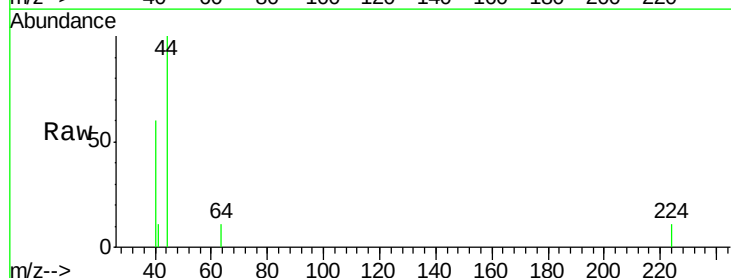
Acq: 14 Jan 2019 19:56

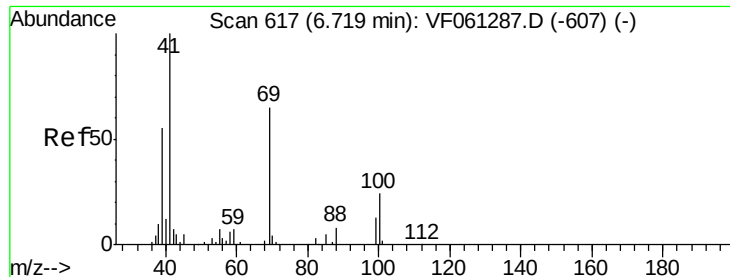
Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#





#48

Methyl methacrylate

Concen: 763.764 ug/l

RT: 6.95 min Scan# 641

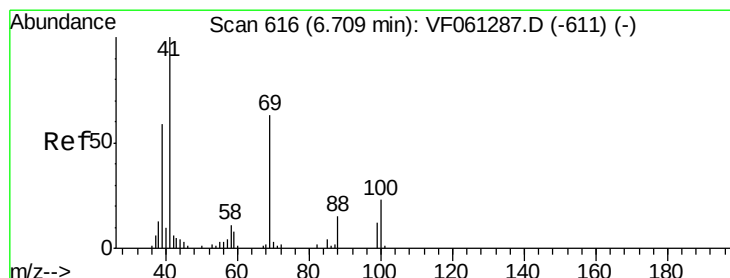
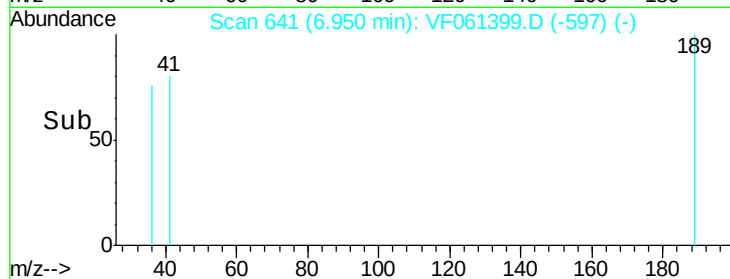
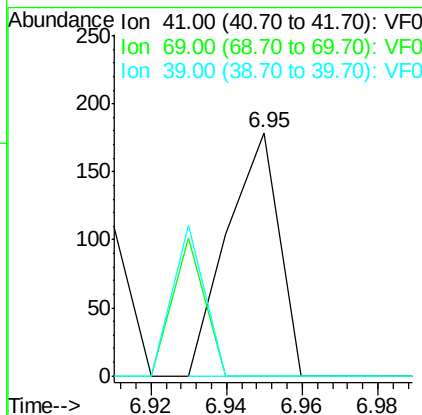
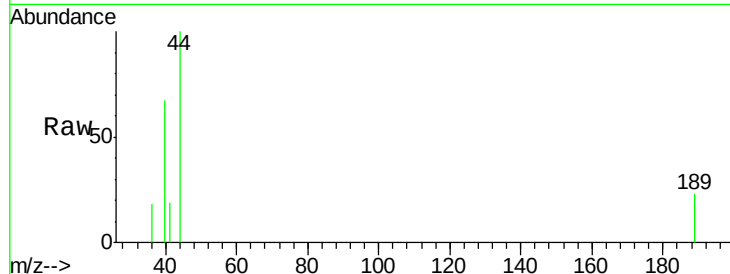
Delta R.T. 0.23 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

Instrument :
MSVOA_F
ClientSampled :
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Tot Ion:	41	Resp:	167
Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.5	77.3#
39	0.0	44.1	66.1#



#49

1,4-Dioxane

Concen: 63782.968 ug/l

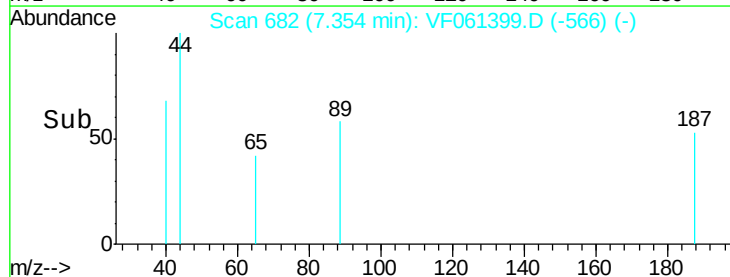
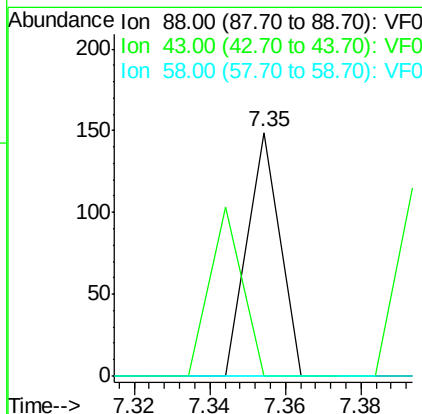
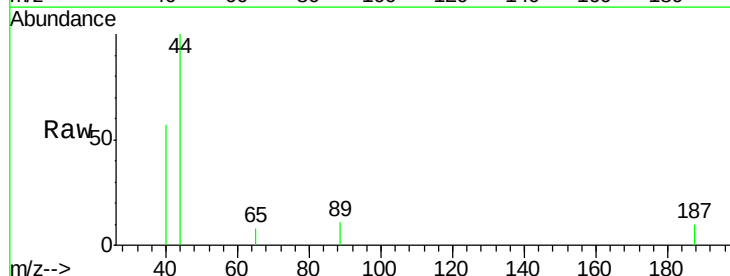
RT: 7.35 min Scan# 682

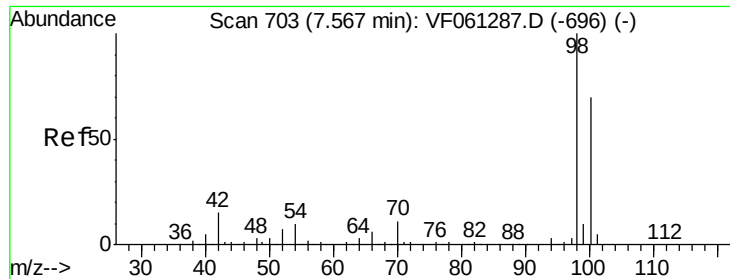
Delta R.T. 0.65 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

Tgt Ion:	88	Resp:	88
Ion	Ratio	Lower	Upper
88	100		
43	0.0	38.5	57.7#
58	0.0	57.0	85.4#

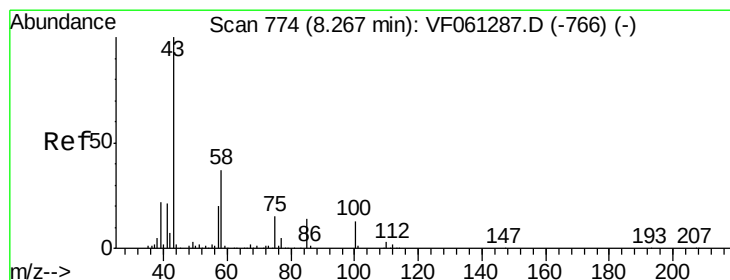
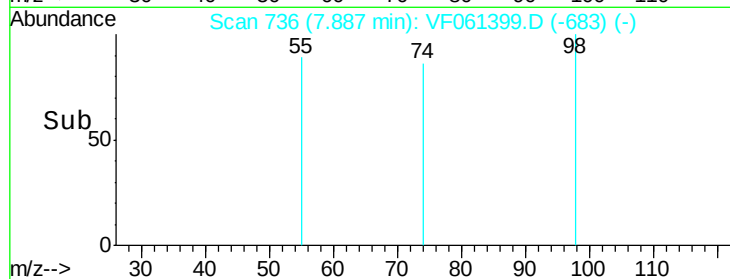
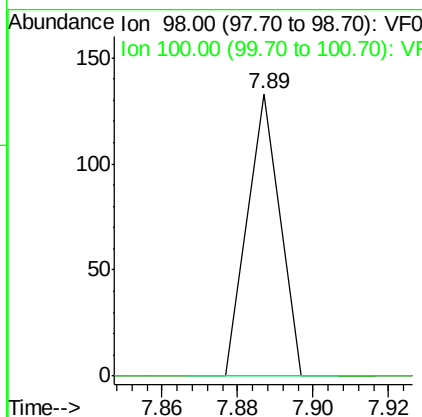
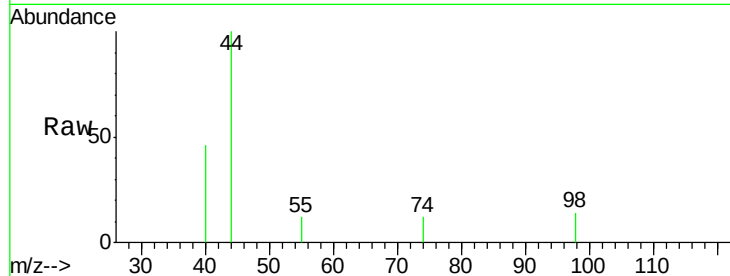




#50
Toluene-d8
Concen: 58.149 ug/l
RT: 7.89 min Scan# 736
Delta R.T. 0.32 min
Lab File: VF061399.D
Acq: 14 Jan 2019 19:56

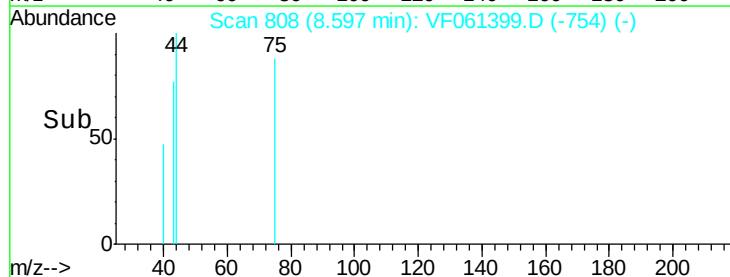
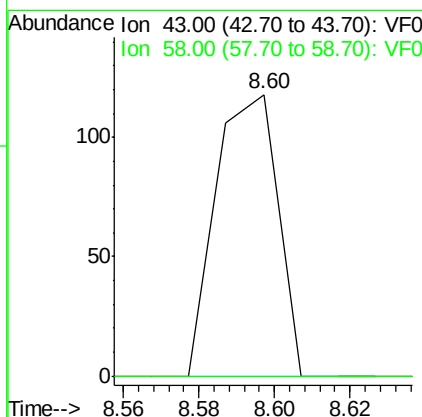
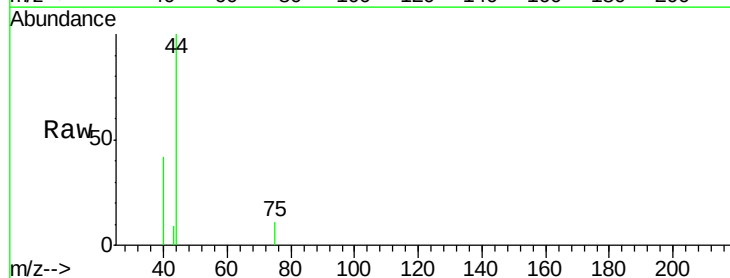
Instrument :
MSVOA_F
ClientSampled :
S-7

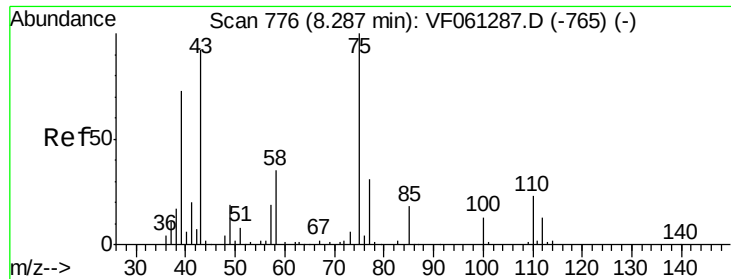
Tot Ion: 98 Resp: 79
Ion Ratio Lower Upper
98 100
100 0.0 55.6 83.4#



#51
4-Methyl-2-Pentanone
Concen: 523.082 ug/l
RT: 8.60 min Scan# 808
Delta R.T. 0.33 min
Lab File: VF061399.D
Acq: 14 Jan 2019 19:56

Tgt Ion: 43 Resp: 133
Ion Ratio Lower Upper
43 100
58 0.0 29.6 44.4#





#53

t-1,3-Dichloropropene

Concen: 280.653 ug/l

RT: 8.60 min Scan# 808

Delta R.T. 0.31 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

Instrument :

MSVOA_F

ClientSampled :

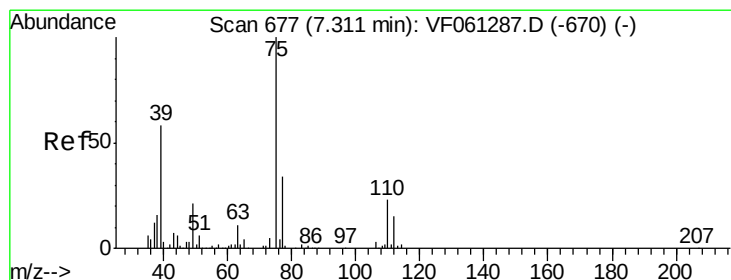
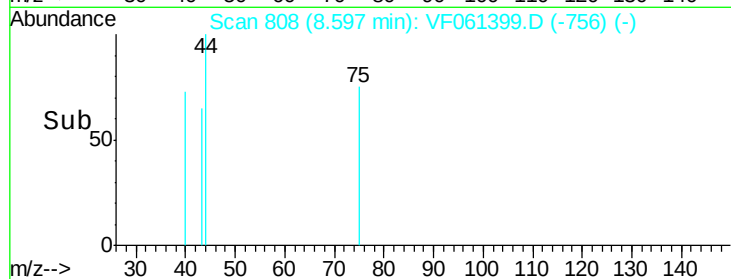
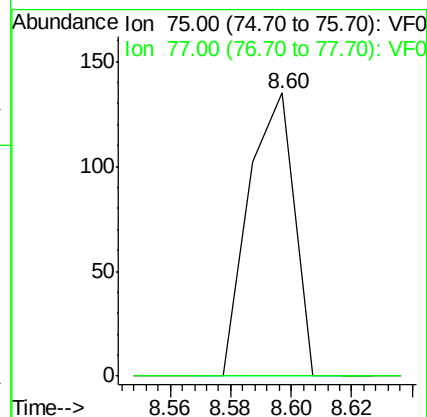
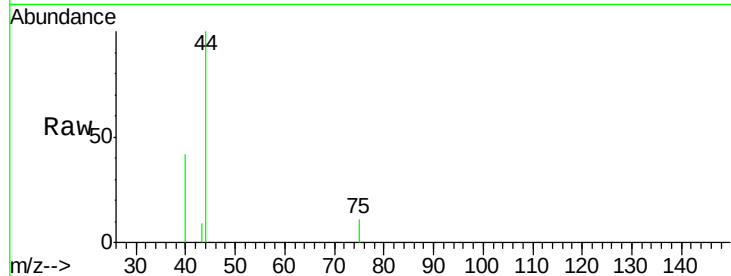
S-7

Tot Ion: 75 Resp: 140

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#



#54

cis-1,3-Dichloropropene

Concen: 98.275 ug/l

RT: 7.53 min Scan# 700

Delta R.T. 0.22 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

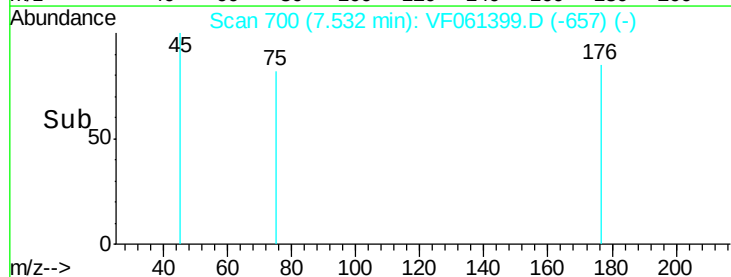
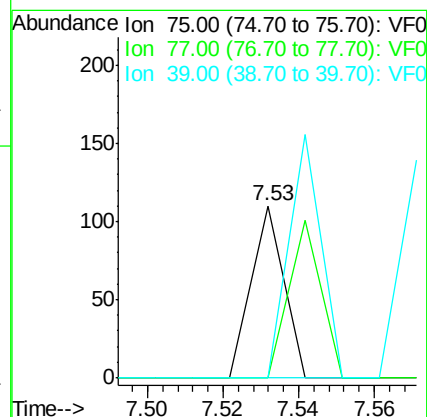
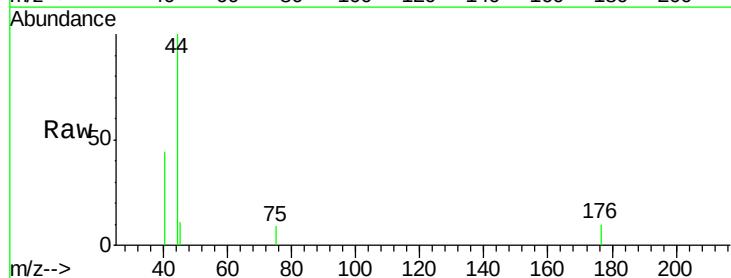
Tgt Ion: 75 Resp: 65

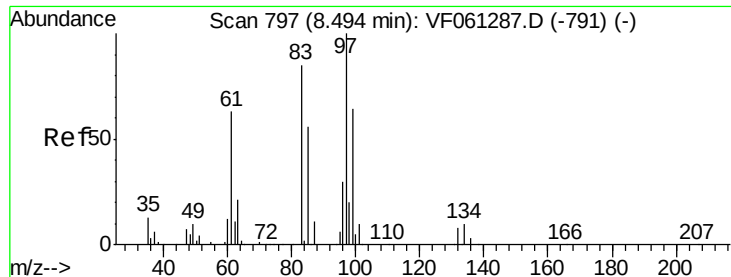
Ion Ratio Lower Upper

75 100

77 0.0 27.3 40.9#

39 0.0 46.3 69.5#





#55

1,1,2-Trichloroethane

Concen: 275.308 ug/l

RT: 8.80 min Scan# 829

Delta R.T. 0.31 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

Instrument :

MSVOA_F

ClientSampleId :

S-7

Tot Ion: 97 Resp: 81

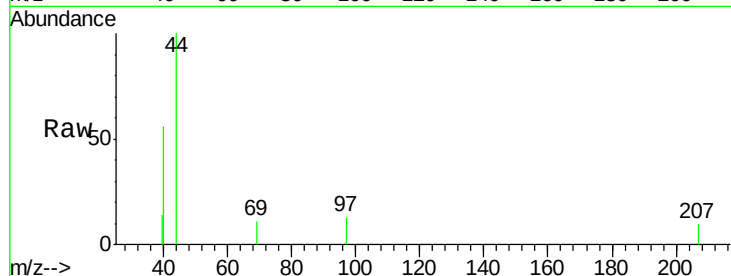
Ion Ratio Lower Upper

97 100

83 0.0 67.8 101.6#

85 0.0 45.1 67.7#

99 0.0 51.0 76.6#

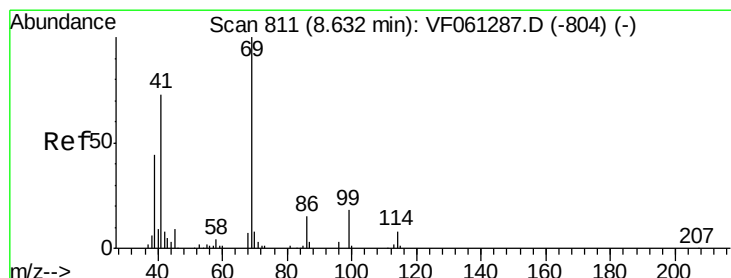
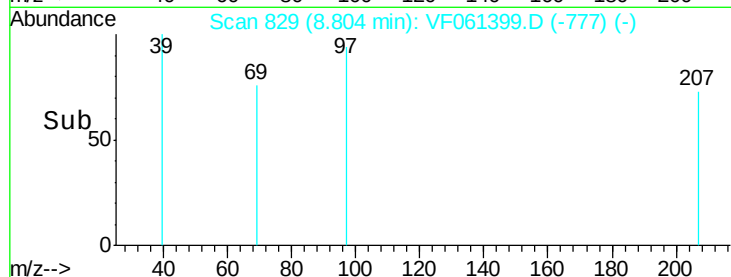
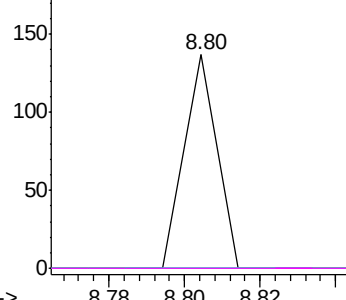


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 197.673 ug/l

RT: 8.91 min Scan# 840

Delta R.T. 0.28 min

Lab File: VF061399.D

Acq: 14 Jan 2019 19:56

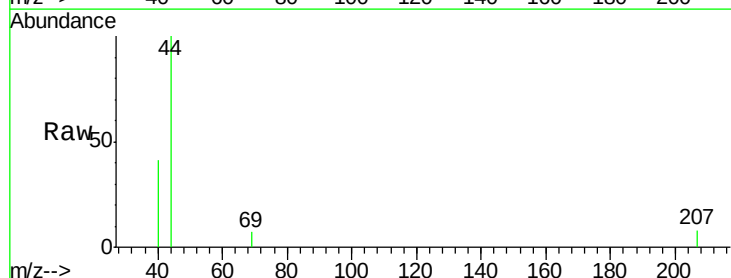
Tgt Ion: 69 Resp: 65

Ion Ratio Lower Upper

69 100

41 0.0 59.0 88.4#

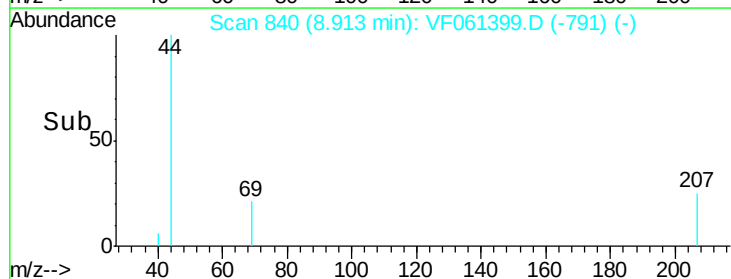
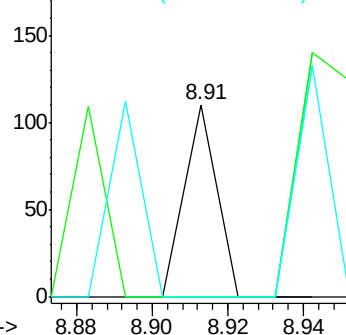
39 0.0 35.3 52.9#

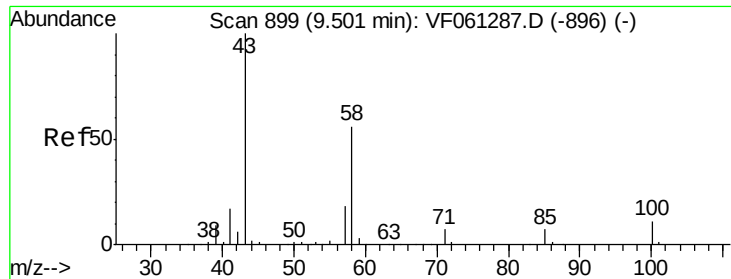


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

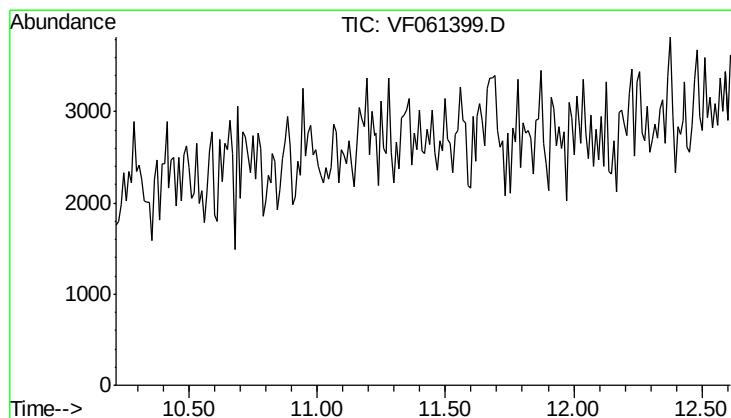
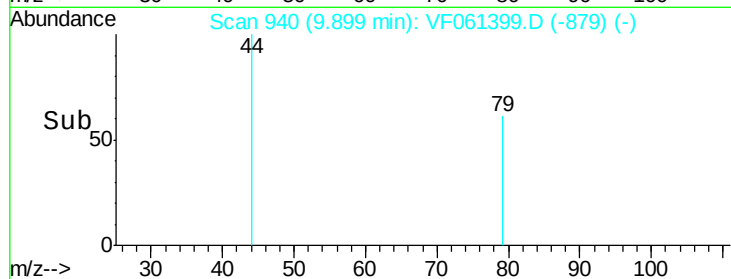
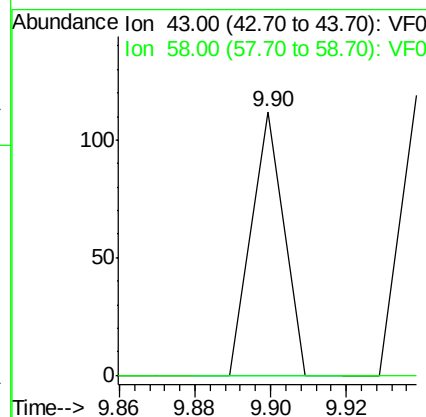
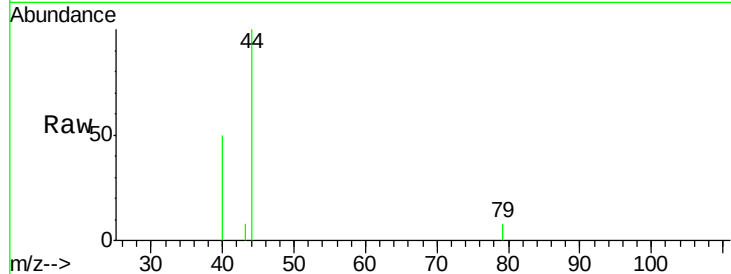




#59
 2-Hexanone
 Concen: 366.398 ug/l
 RT: 9.90 min Scan# 940
 Delta R.T. 0.40 min
 Lab File: VF061399.D
 Acq: 14 Jan 2019 19:56

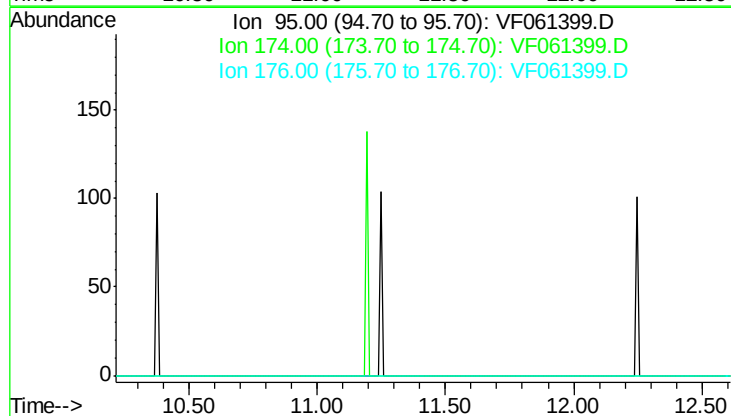
Instrument :
 MSVOA_F
 ClientSampleId :
 S-7

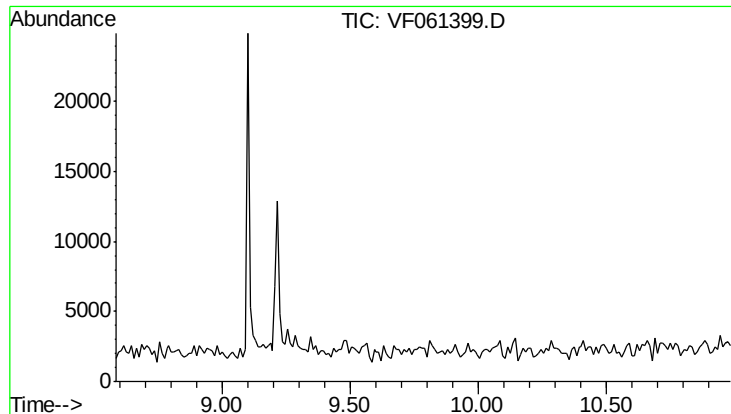
Tot Ion: 43 Resp: 66
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 76.8#



#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.41 min
 Lab File: VF061399.D
 Acq: 14 Jan 2019 19:56

Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 57.1
 176 58.9

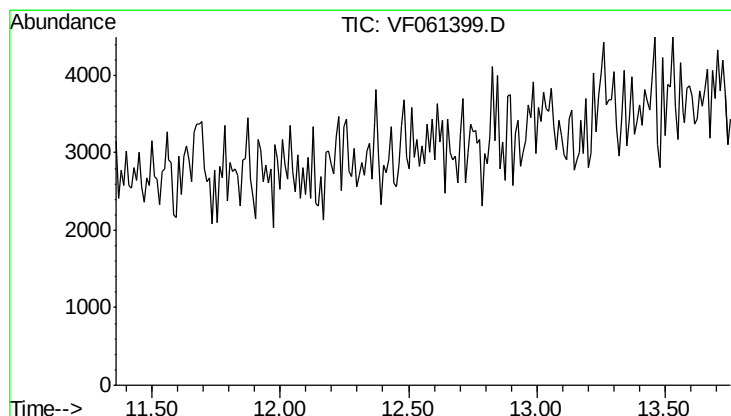
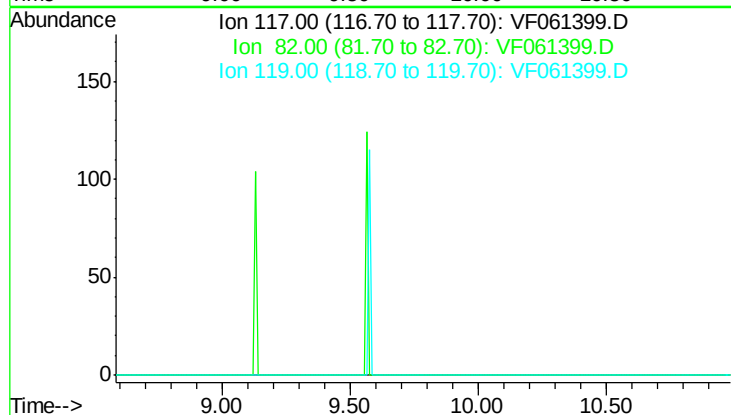




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.79 min
 Lab File: VF061399.D
 Acq: 14 Jan 2019 19:56

Instrument :
 MSVOA_F
 ClientSampleId :
 S-7

Tot Ion	117
Sig	Exp Ratio
117	100
82	56.6
119	31.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.56 min
 Lab File: VF061399.D
 Acq: 14 Jan 2019 19:56

Tgt Ion	152
Sig	Exp Ratio
152	100
115	59.3
150	157.7

