

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062016.D
 Acq On : 19 Mar 2019 14:16
 Operator : VA/AP
 Sample : K1693-11
 Misc : 6.33g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 20 05:20:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	231208	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	347960	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	196187	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	119066	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	107159	64.39	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	128.78%	
35) Dibromofluoromethane	4.09	113	153478	65.68	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	131.36%	
50) Toluene-d8	7.53	98	184010	26.94	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	53.88%	
62) 4-Bromofluorobenzene	11.40	95	122310	45.07	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	90.14%	

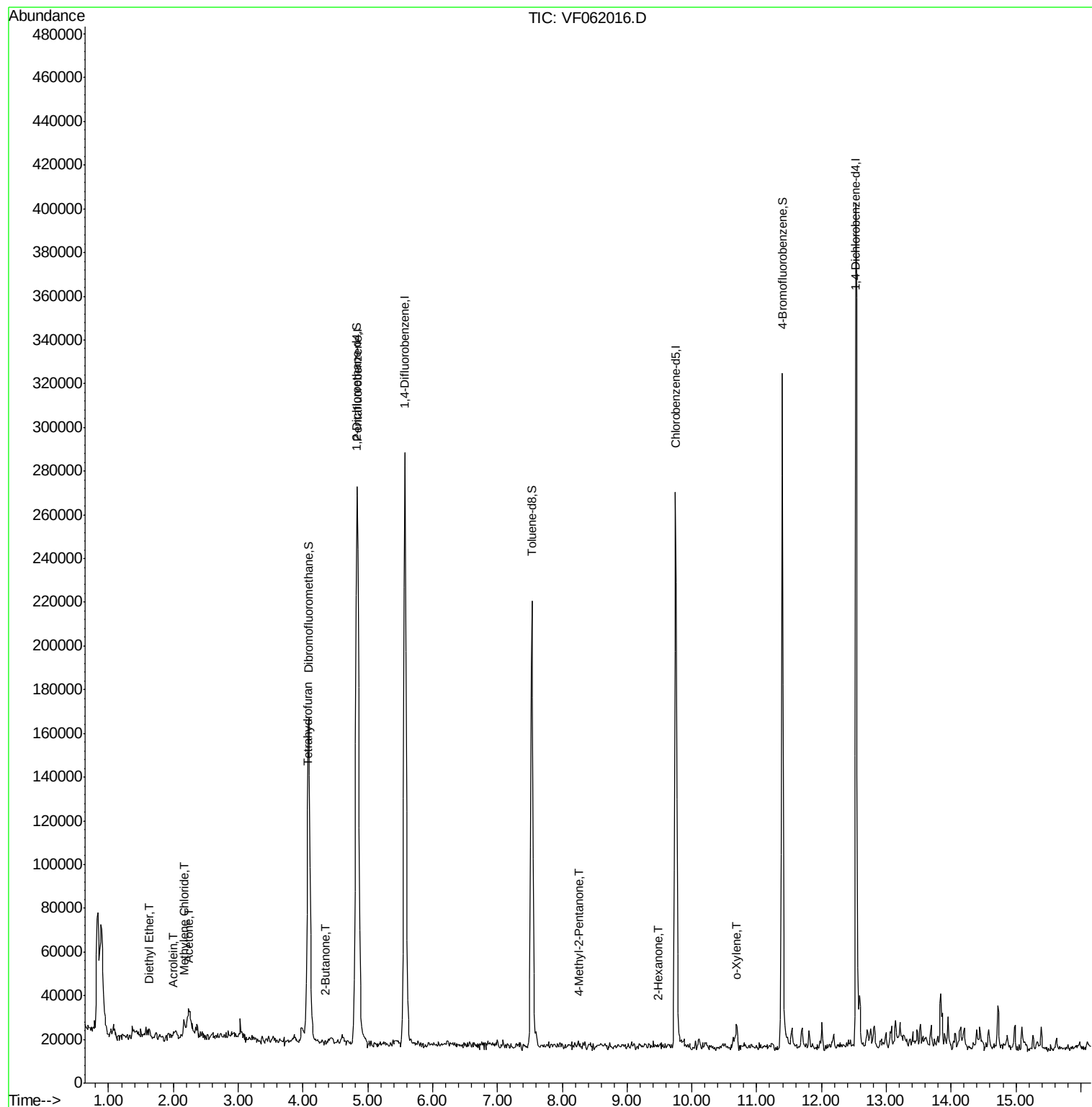
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.62	74	1197	1.678	ug/l	63
13) Acrolein	1.99	56	132	1.201	ug/l #	1
16) Acetone	2.23	43	16003	42.820	ug/l	95
20) Methylene Chloride	2.17	84	3775	1.962	ug/l #	90
25) 2-Butanone	4.34	43	1590	2.148	ug/l #	51
29) Tetrahydrofuran	4.06	42	501	1.556	ug/l #	54
51) 4-Methyl-2-Pentanone	8.25	43	1470	1.240	ug/l	92
59) 2-Hexanone	9.47	43	1344	1.567	ug/l	76
69) o-Xylene	10.70	106	3144	1.249	ug/l	92

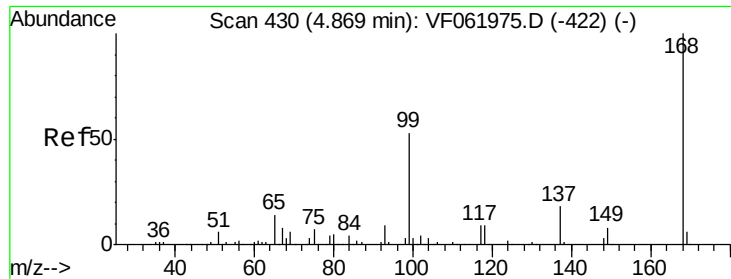
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF062016.D

Acq: 19 Mar 2019 14:16

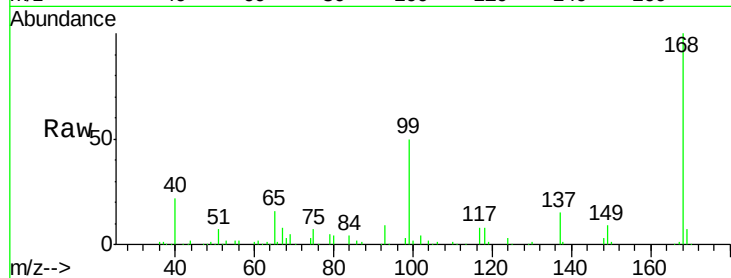
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 231208

Ion Ratio Lower Upper

168 100

99 50.5 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

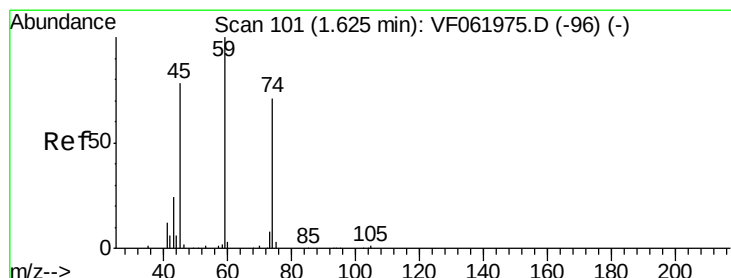
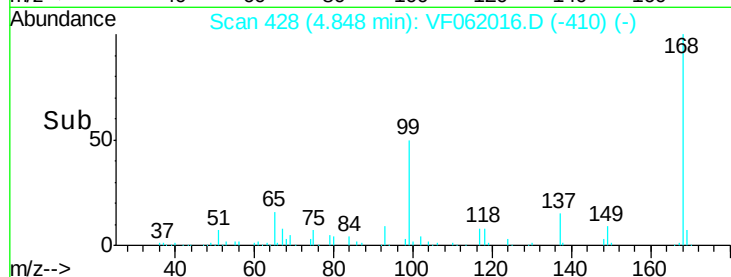
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.678 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF062016.D

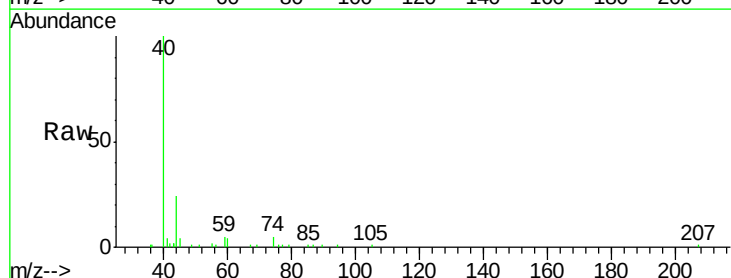
Acq: 19 Mar 2019 14:16

Tgt Ion: 74 Resp: 1197

Ion Ratio Lower Upper

74 100

45 73.0 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.62

800

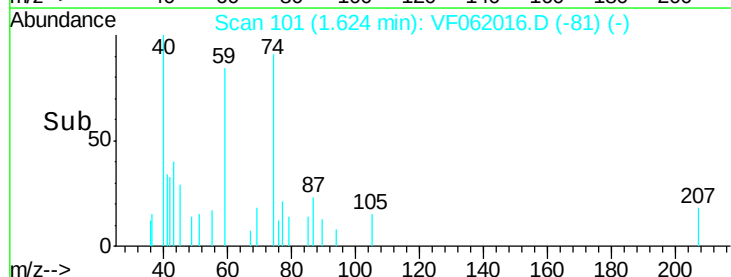
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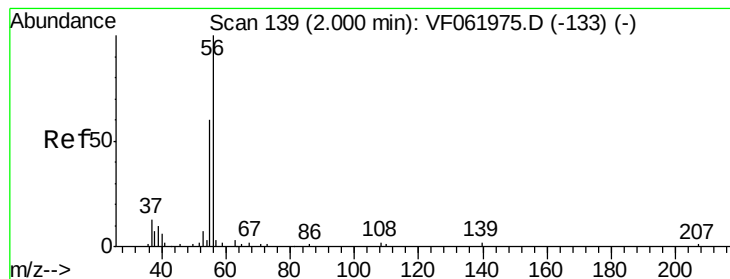
400

200

0

Time-->





#13

Acrolein

Concen: 1.201 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF062016.D

Acq: 19 Mar 2019 14:16

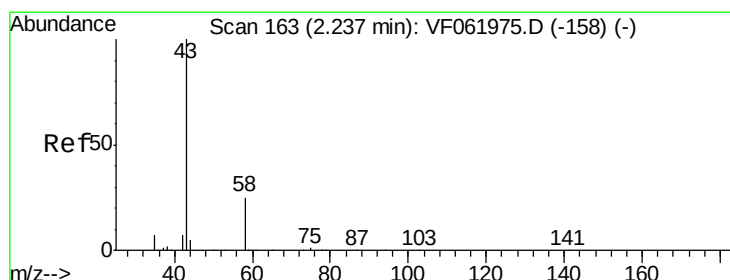
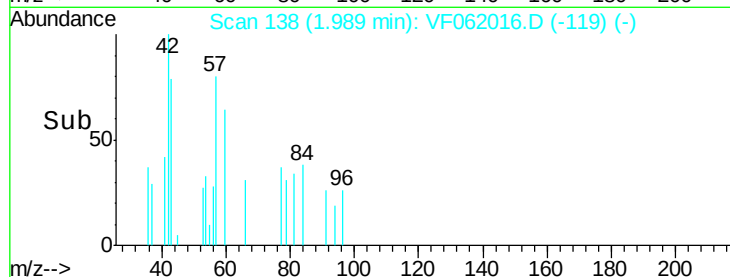
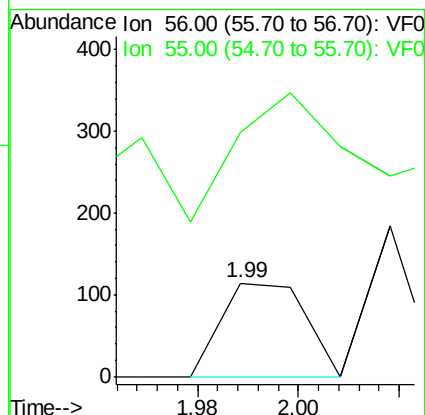
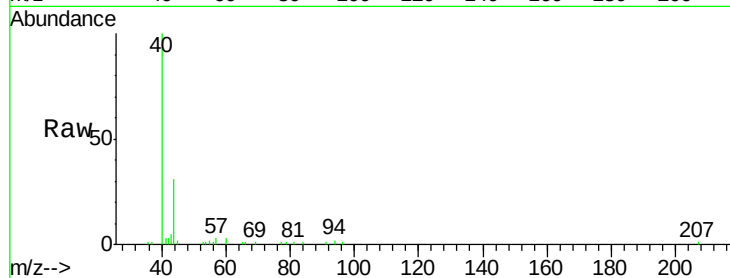
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 261.4 49.1 73.7#



#16

Acetone

Concen: 42.820 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF062016.D

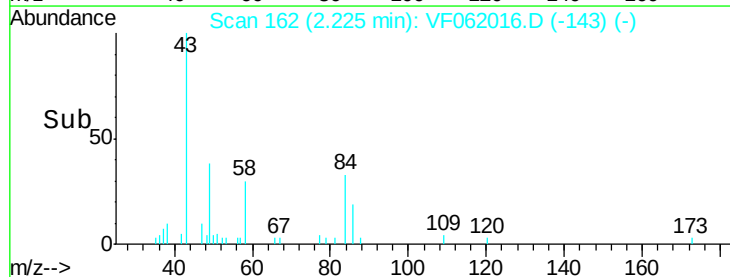
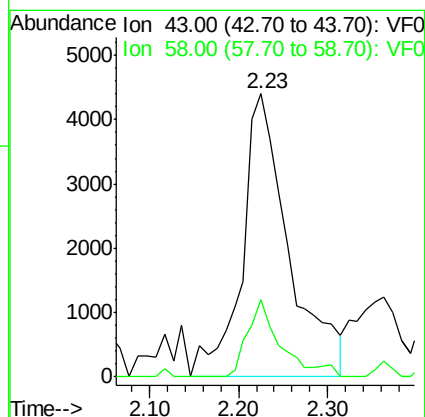
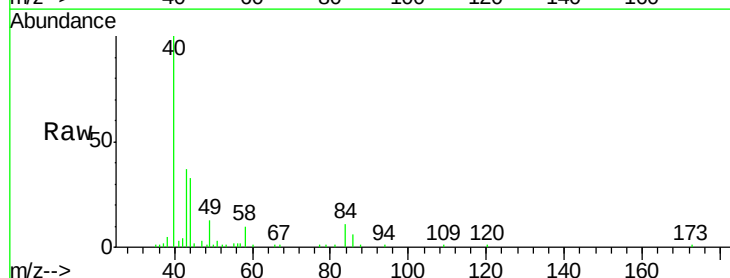
Acq: 19 Mar 2019 14:16

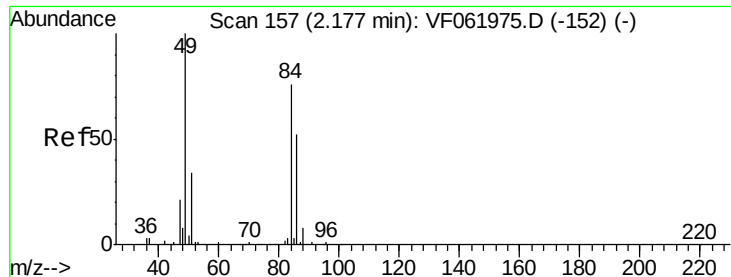
Tgt Ion: 43 Resp: 16003

Ion Ratio Lower Upper

43 100

58 27.2 19.9 29.9

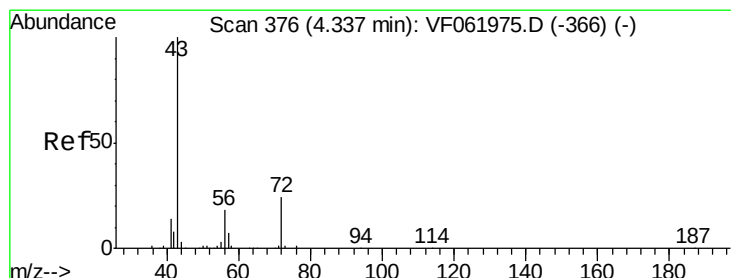
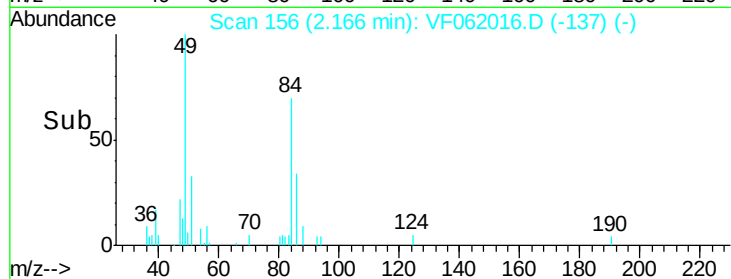
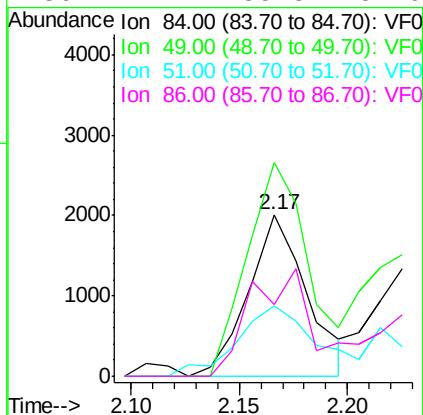
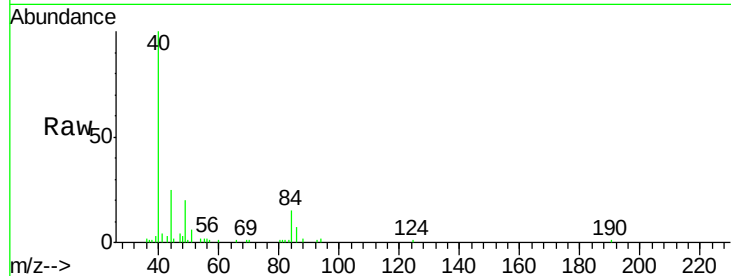




#20
Methvlene Chloride
Concen: 1.962 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF062016.D
Acq: 19 Mar 2019 14:16

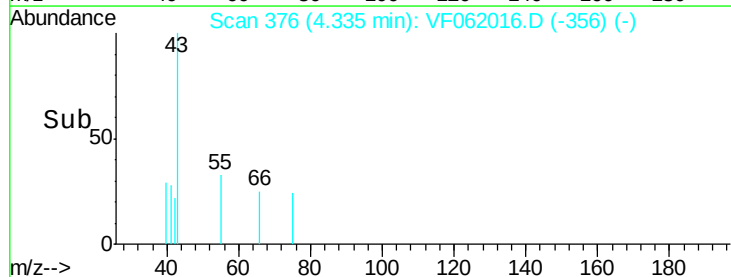
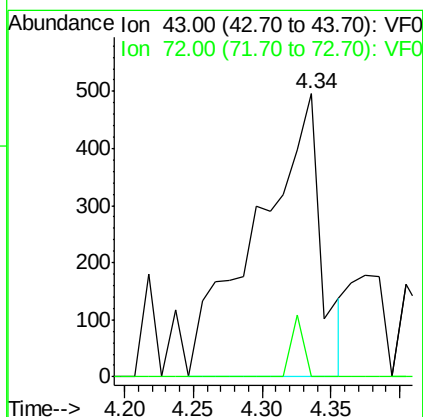
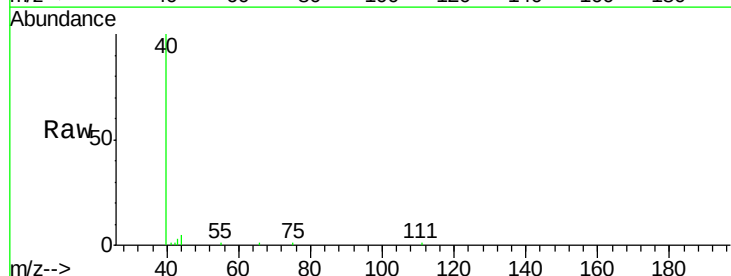
Instrument :
MSVOA_F
ClientSampleId :

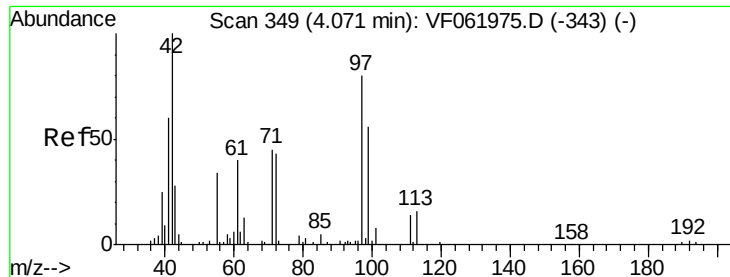
Tot Ion: 84 Resp: 3775
Ion Ratio Lower Upper
84 100
49 132.2 107.0 160.6
51 43.3 37.2 55.8
86 44.4 55.3 82.9#



#25
2-Butanone
Concen: 2.148 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.00 min
Lab File: VF062016.D
Acq: 19 Mar 2019 14:16

Tgt Ion: 43 Resp: 1590
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#

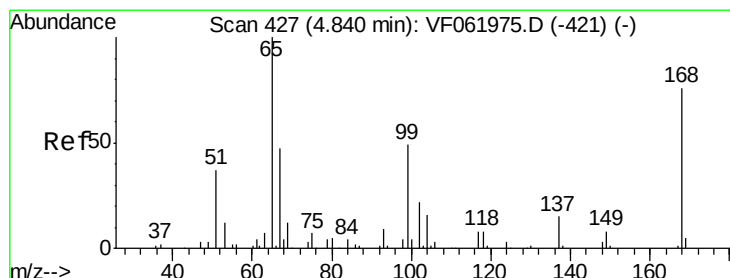
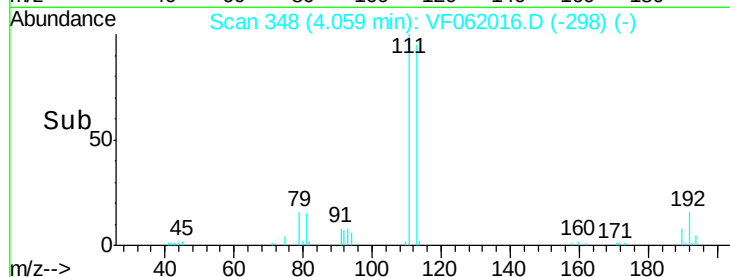
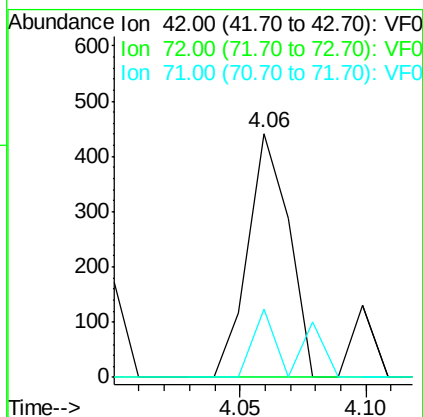
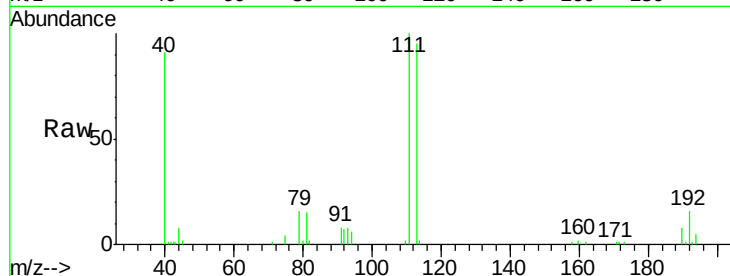




#29
Tetrahydrofuran
Concen: 1.556 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF062016.D
Acq: 19 Mar 2019 14:16

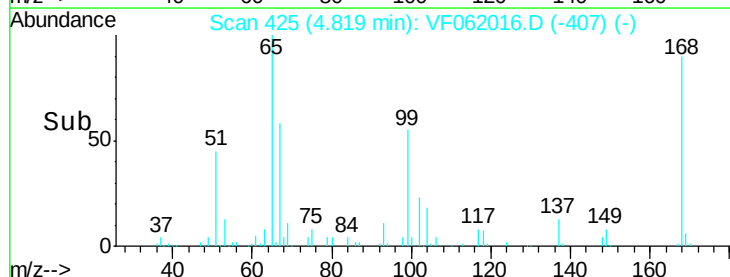
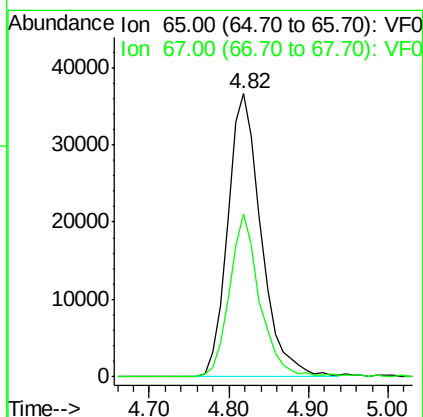
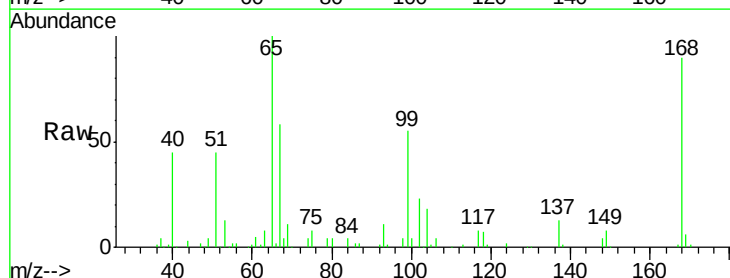
Instrument :
MSVOA_F
ClientSampleId :

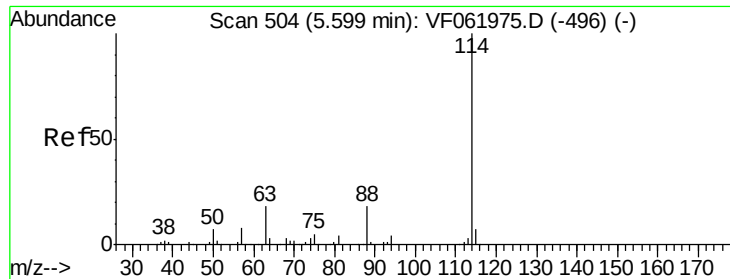
Tot Ion: 42 Resp: 501
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 26.3 34.2 51.4#



#33
1,2-Dichloroethane-d4
Concen: 64.386 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.02 min
Lab File: VF062016.D
Acq: 19 Mar 2019 14:16

Tgt Ion: 65 Resp: 107159
Ion Ratio Lower Upper
65 100
67 57.6 0.0 109.4

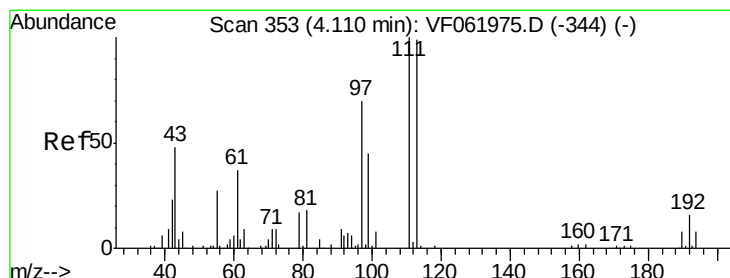
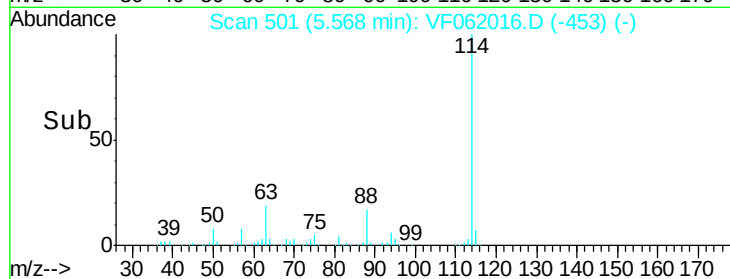
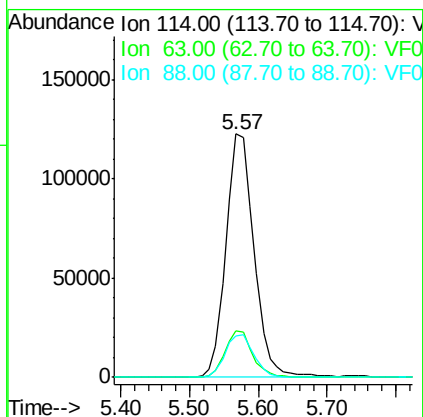
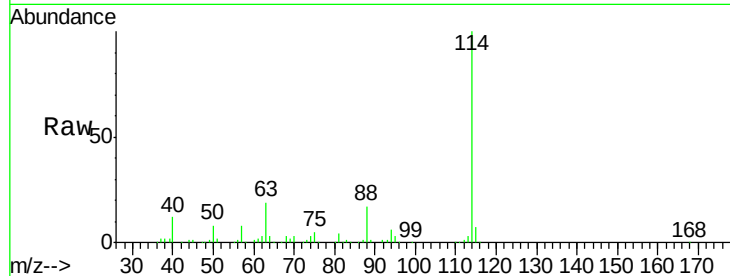




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF062016.D
 Acq: 19 Mar 2019 14:16

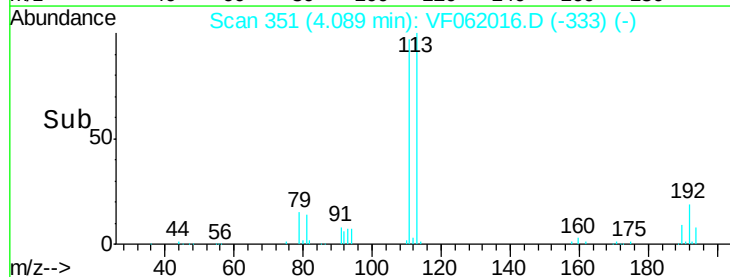
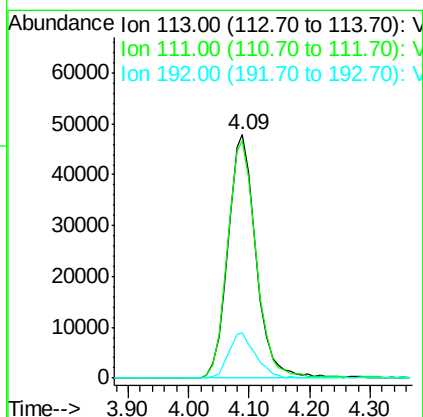
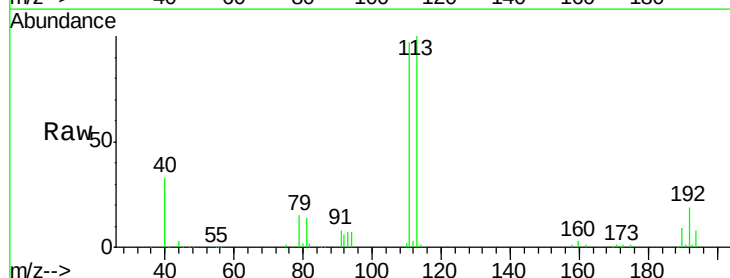
Instrument :
 MSVOA_F
 ClientSampleId :

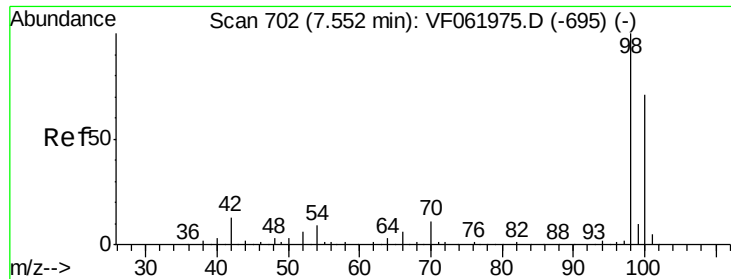
Tot Ion:114 Resp: 347960
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.4
 88 17.2 0.0 36.4



#35
 Dibromofluoromethane
 Concen: 65.684 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF062016.D
 Acq: 19 Mar 2019 14:16

Tgt Ion:113 Resp: 153478
 Ion Ratio Lower Upper
 113 100
 111 97.3 80.8 121.2
 192 18.6 13.0 19.6

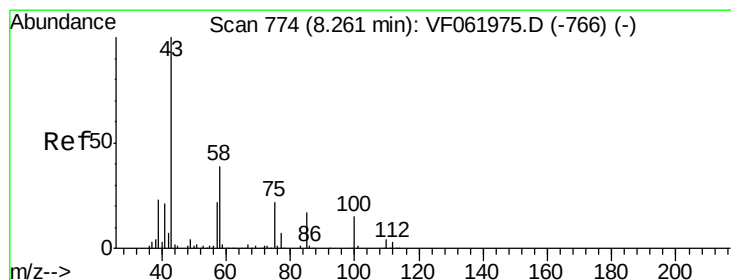
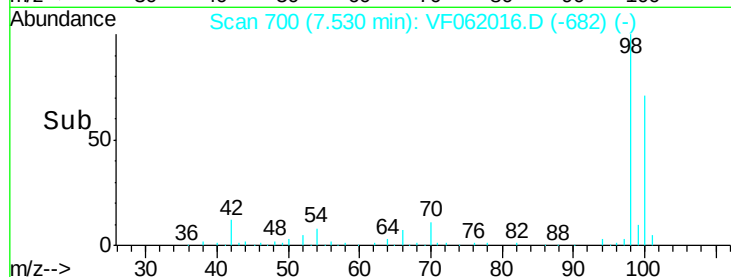
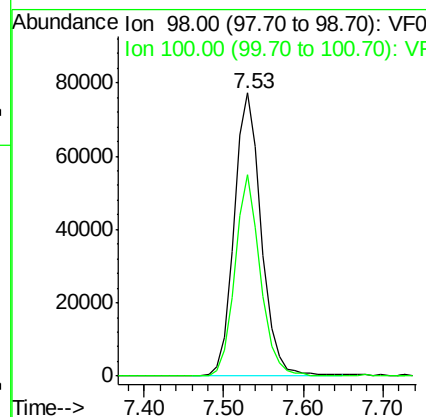
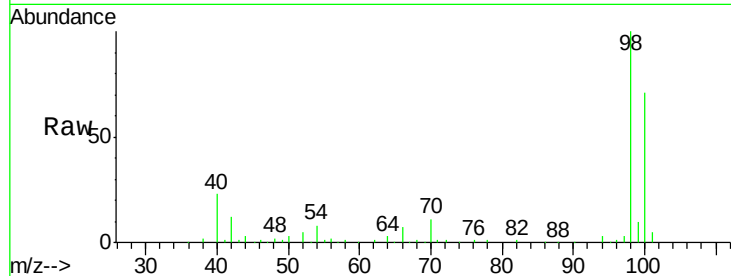




#50
Toluene-d8
Concen: 26.939 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF062016.D
Acq: 19 Mar 2019 14:16

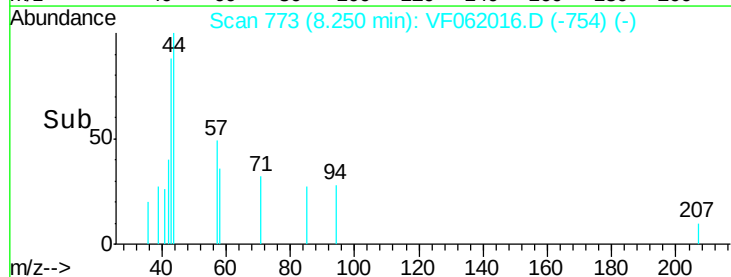
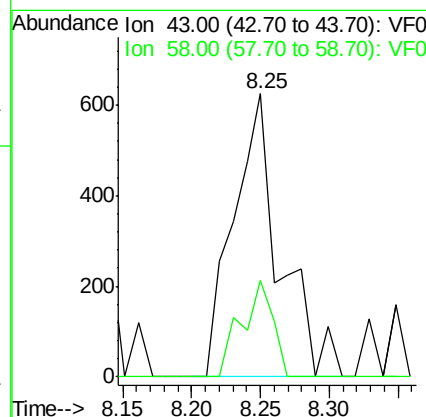
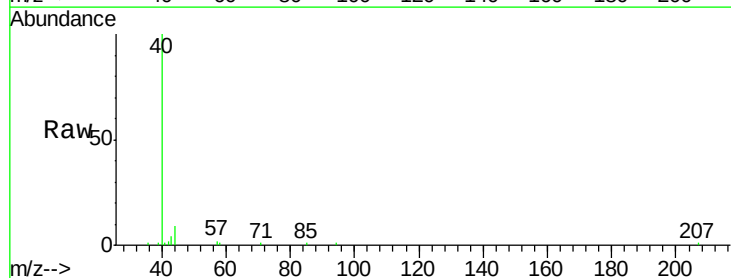
Instrument :
MSVOA_F
ClientSampleId :

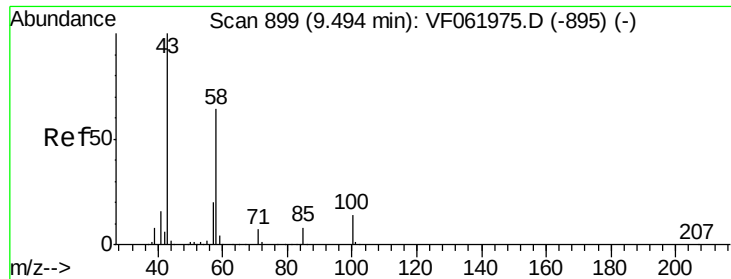
Tot Ion: 98 Resp: 184010
Ion Ratio Lower Upper
98 100
100 71.2 56.8 85.2



#51
4-Methyl-2-Pentanone
Concen: 1.240 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.01 min
Lab File: VF062016.D
Acq: 19 Mar 2019 14:16

Tgt Ion: 43 Resp: 1470
Ion Ratio Lower Upper
43 100
58 34.1 31.1 46.7

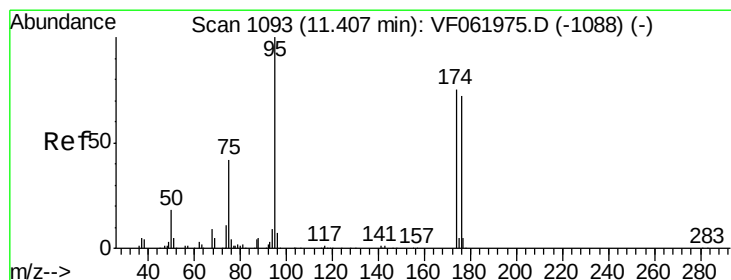
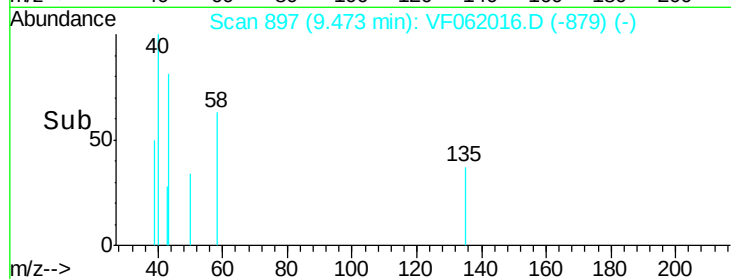
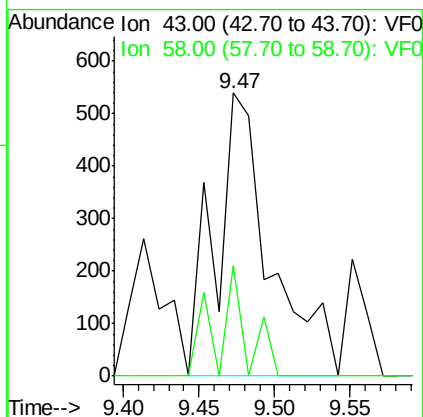
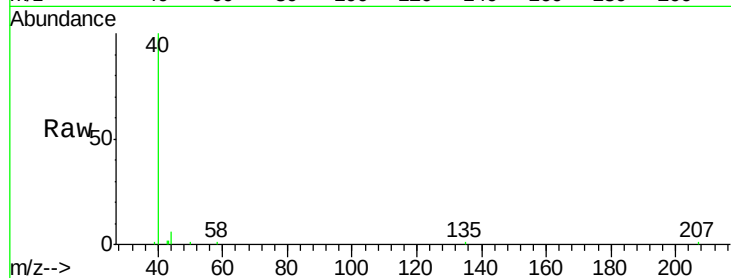




#59
2-Hexanone
Concen: 1.567 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF062016.D
Acq: 19 Mar 2019 14:16

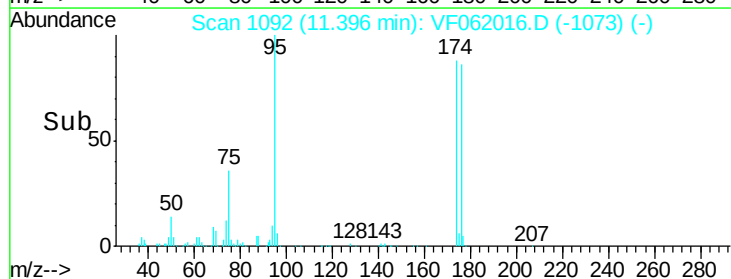
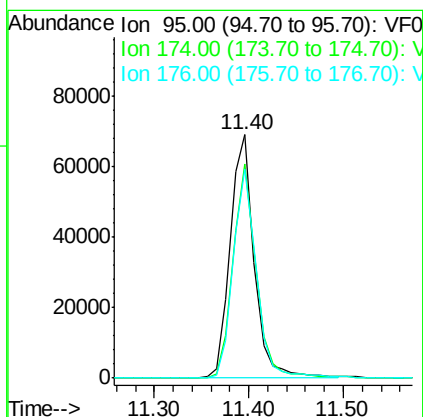
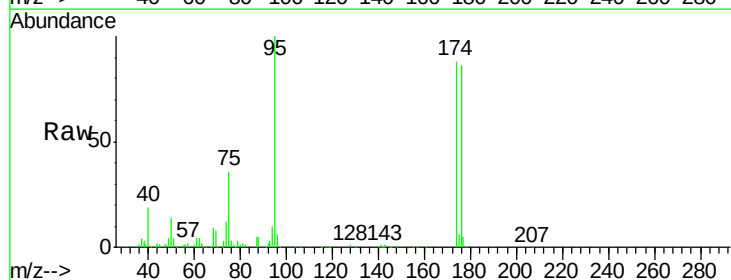
Instrument :
MSVOA_F
ClientSampled :

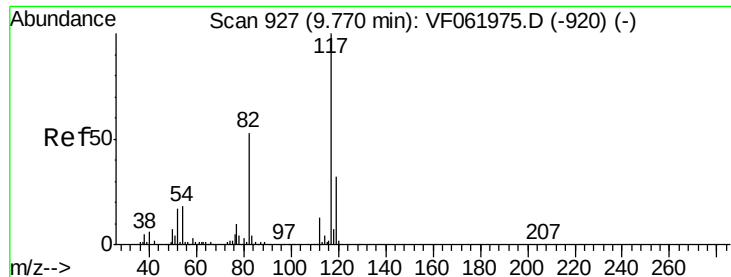
Tot Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
58 39.0 28.4 85.2



#62
4-Bromofluorobenzene
Concen: 45.074 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF062016.D
Acq: 19 Mar 2019 14:16

Tgt Ion: 95 Resp: 122310
Ion Ratio Lower Upper
95 100
174 87.8 0.0 149.4
176 85.7 0.0 143.4

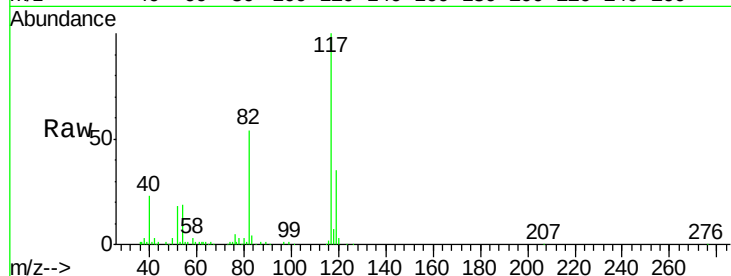




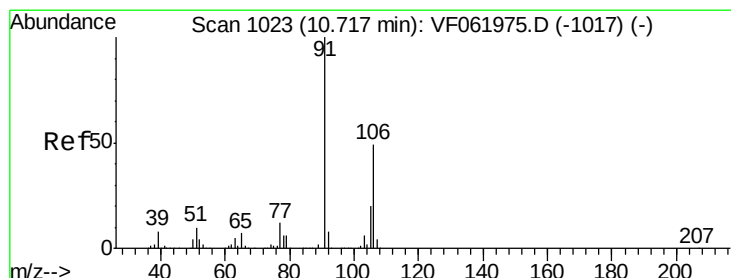
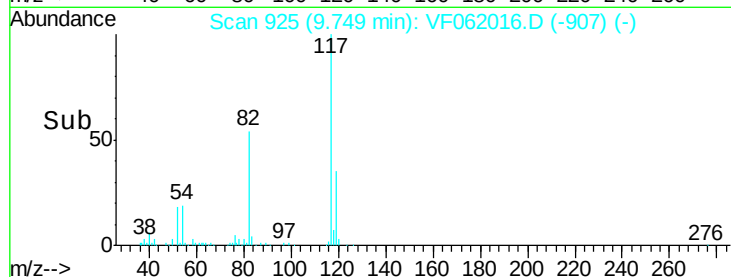
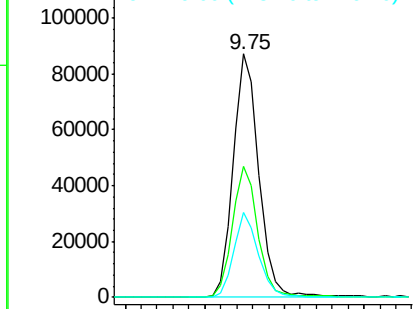
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062016.D
Acq: 19 Mar 2019 14:16

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.5	63.7
119	35.0	25.4	38.0

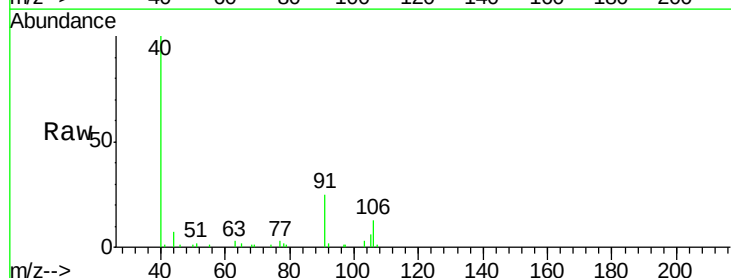


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

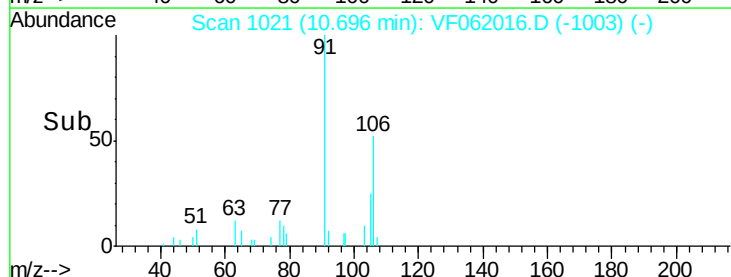
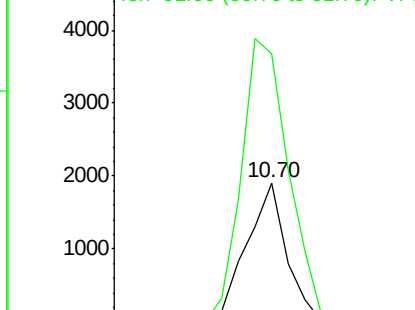


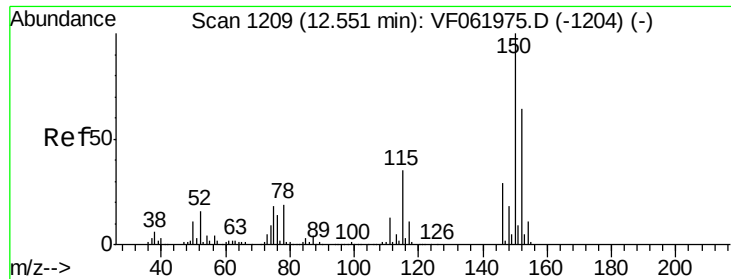
#69
o-Xylene
Concen: 1.249 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF062016.D
Acq: 19 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.4	102.3	306.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0



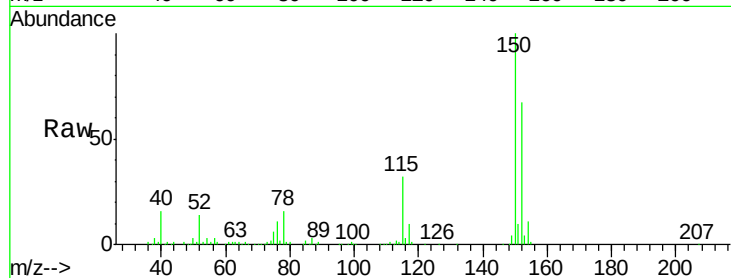


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF062016.D
 Acq: 19 Mar 2019 14:16

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	48.4	27.3	81.9
150	150.1	0.0	316.2



Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V

