

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061419.D
 Acq On : 16 Jan 2019 18:44
 Operator : VA/AP
 Sample : K1156-05RE
 Misc : 4.96g/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VOC-7RE

Quant Time: Jan 17 02:56:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

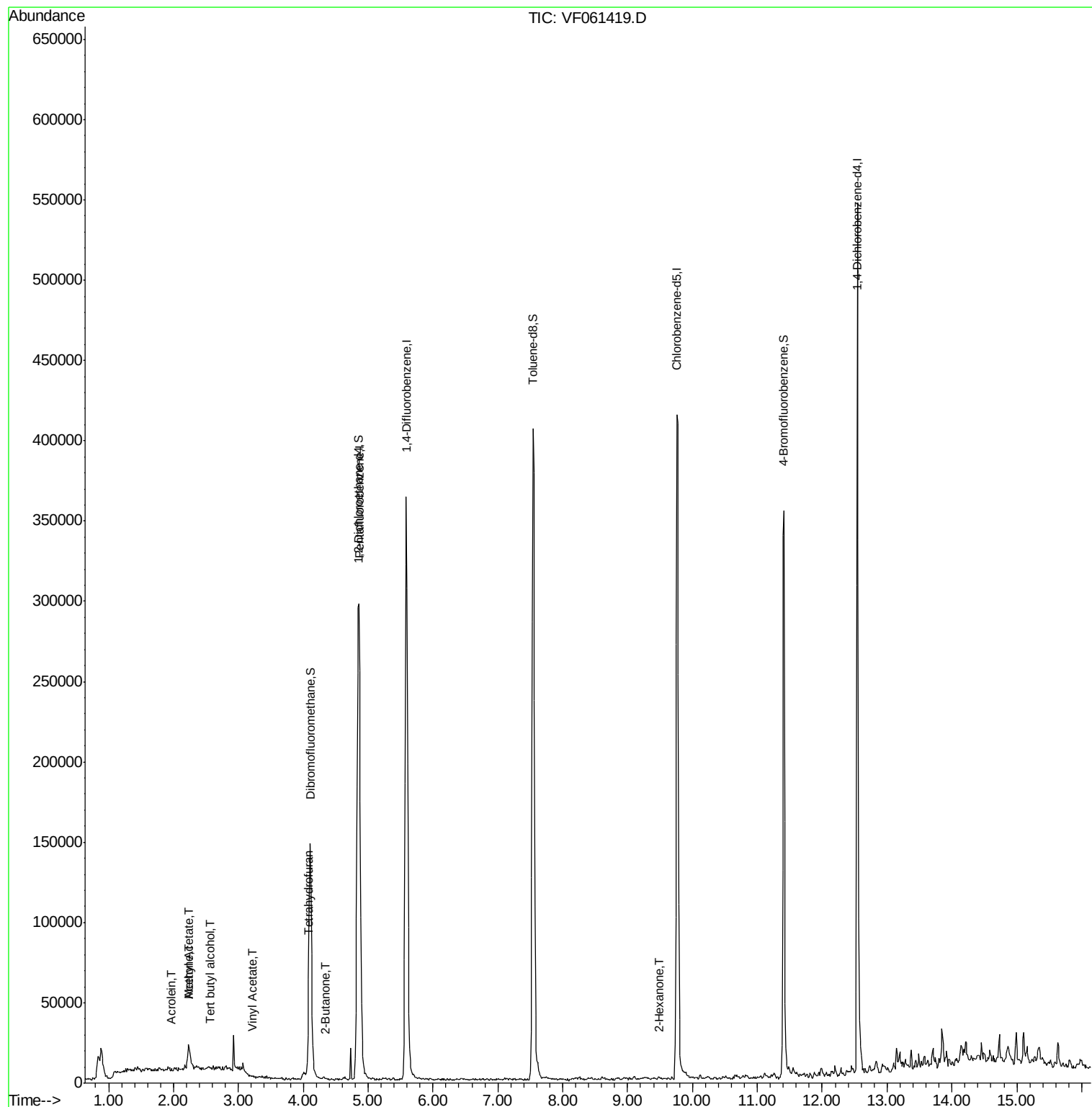
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	229549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	412727	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	319581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	126793	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	128994	45.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.04%	
35) Dibromofluoromethane	4.10	113	143903	44.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.38%	
50) Toluene-d8	7.54	98	353021	39.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.12%	
62) 4-Bromofluorobenzene	11.41	95	143999	34.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.08%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.56	59	323	2.693	ug/l #	64
13) Acrolein	1.97	56	332	13.417	ug/l	89
14) Allyl chloride	2.11	41	412	Below Cal	#	74
16) Acetone	2.24	43	31200	54.877	ug/l	96
18) Methyl Acetate	2.24	43	31200	27.671	ug/l #	61
20) Methylene Chloride	2.18	84	758	Below Cal	#	73
23) Vinyl Acetate	3.20	43	644	3.393	ug/l #	78
25) 2-Butanone	4.34	43	1483	1.569	ug/l #	57
29) Tetrahydrofuran	4.07	42	1027	2.523	ug/l #	56
49) 1,4-Dioxane	6.50	88	60	Below Cal	#	1
59) 2-Hexanone	9.50	43	1373	1.116	ug/l	85

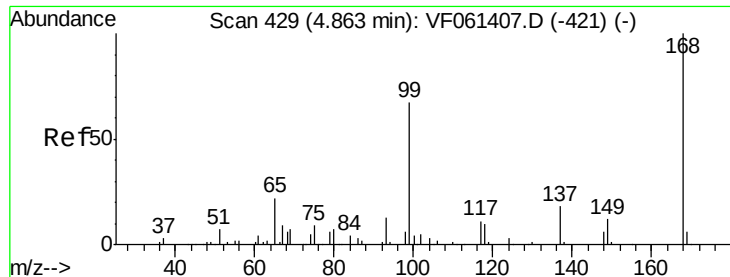
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061419.D

Acq: 16 Jan 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

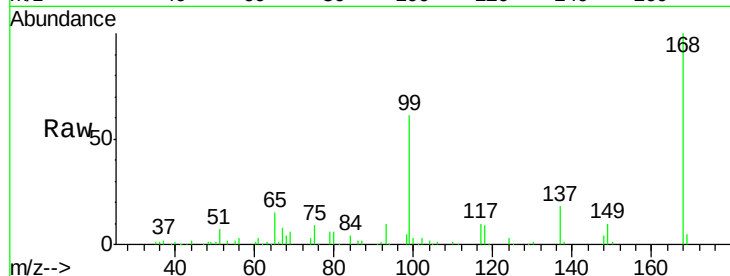
VOC-7RE

Tot Ion:168 Resp: 229549

Ion Ratio Lower Upper

168 100

99 61.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

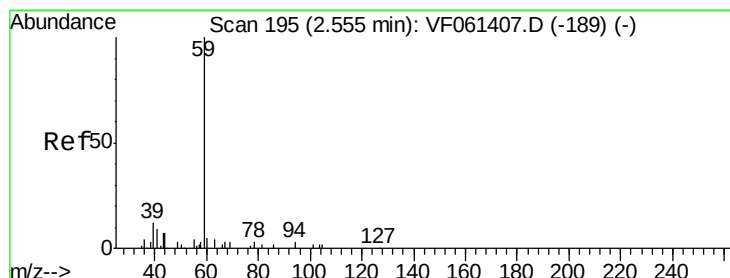
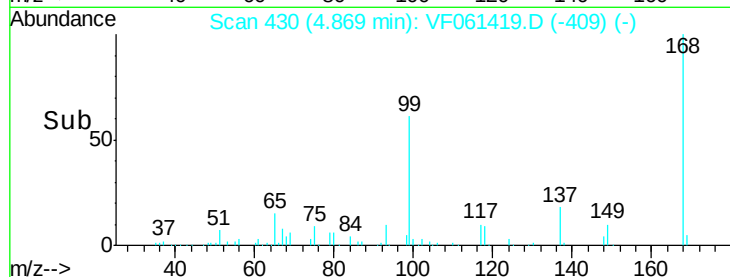
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 2.693 ug/l

RT: 2.56 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF061419.D

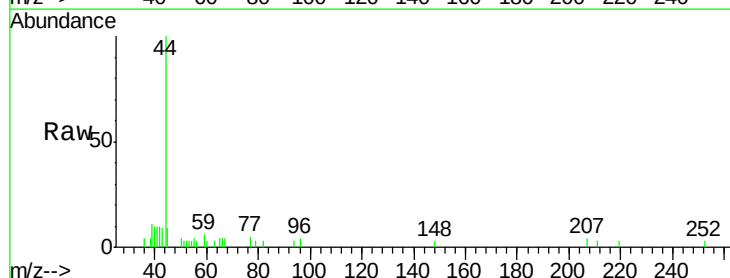
Acq: 16 Jan 2019 18:44

Tgt Ion: 59 Resp: 323

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

250

200

150

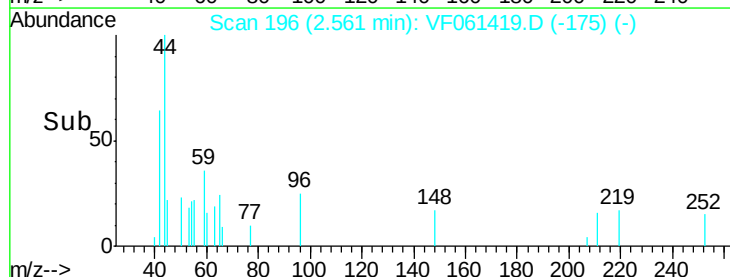
100

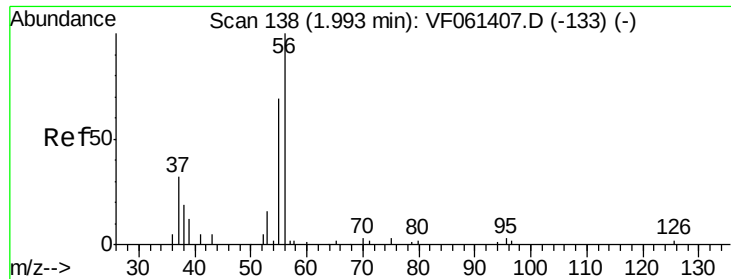
50

0

Time-->

2.55 2.60

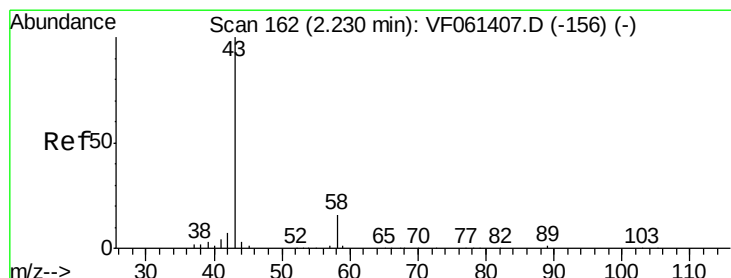
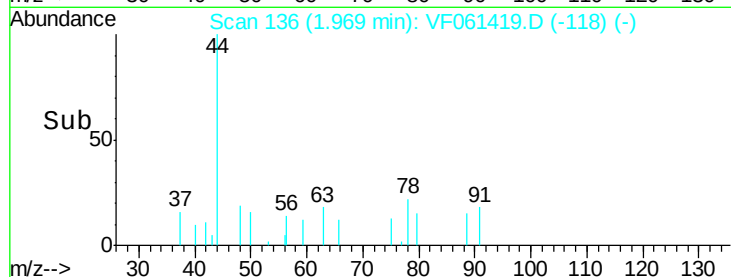
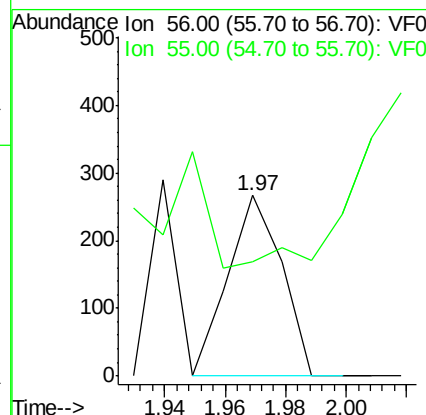
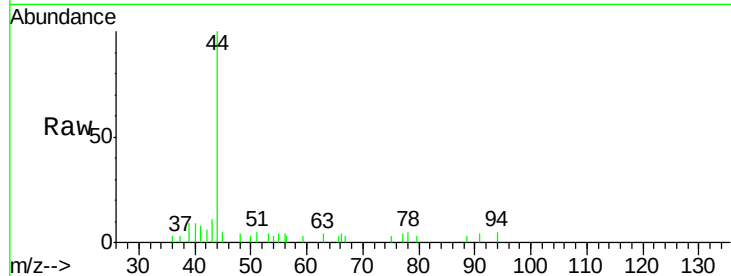




#13
Acrolein
Concen: 13.417 ug/l
RT: 1.97 min Scan# 136
Delta R.T. -0.02 min
Lab File: VF061419.D
Acq: 16 Jan 2019 18:44

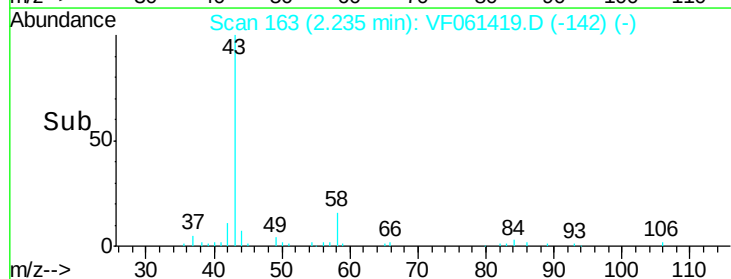
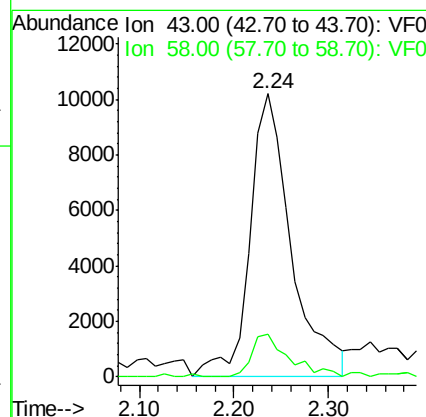
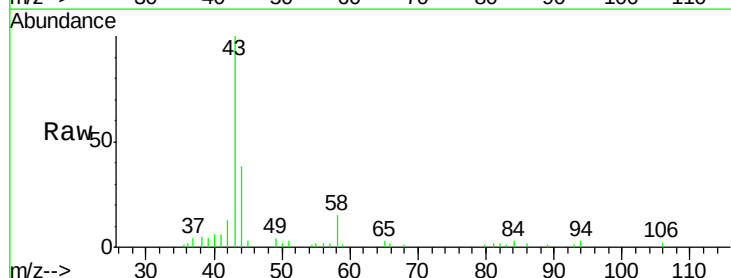
Instrument :
MSVOA_F
ClientSampleId :
VOC-7RE

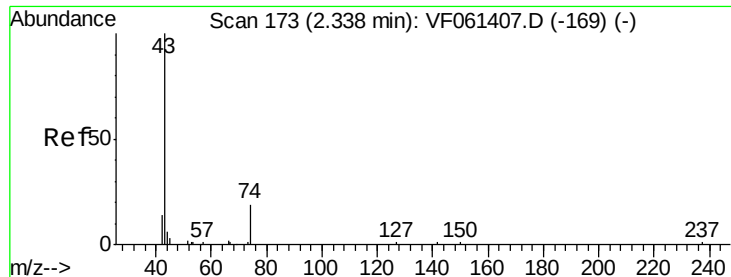
Tot Ion: 56 Resp: 332
Ion Ratio Lower Upper
56 100
55 62.9 57.5 86.3



#16
Acetone
Concen: 54.877 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF061419.D
Acq: 16 Jan 2019 18:44

Tgt Ion: 43 Resp: 31200
Ion Ratio Lower Upper
43 100
58 15.1 13.3 19.9

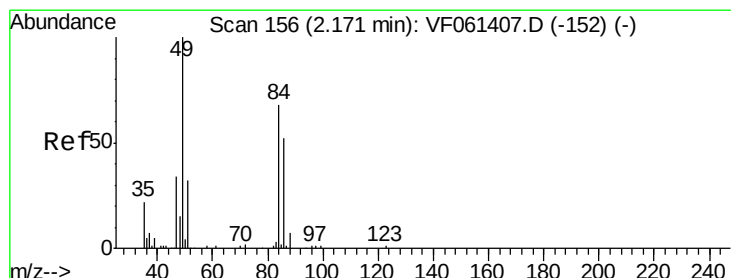
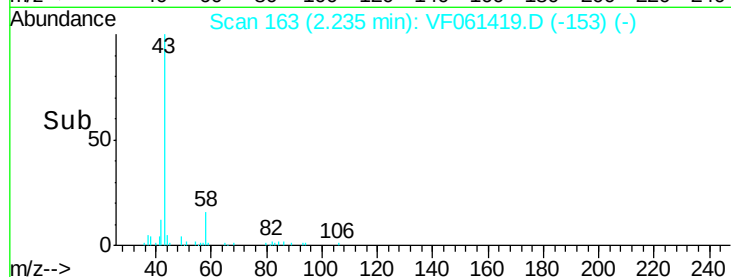
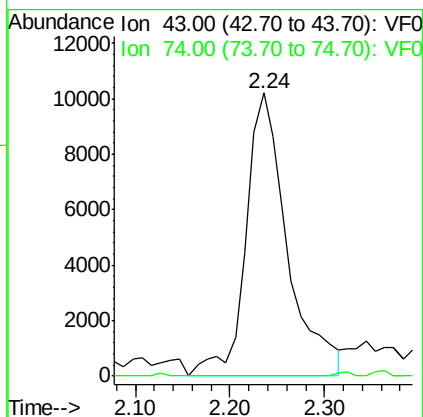
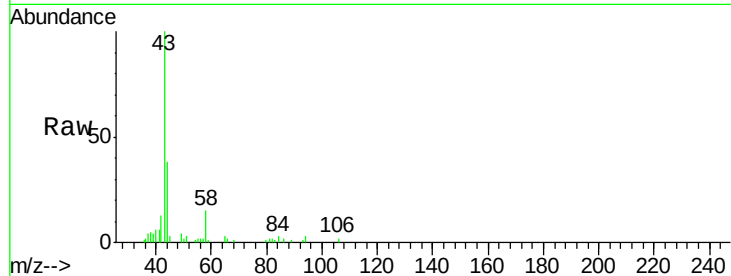




#18
Methyl Acetate
Concen: 27.671 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.10 min
Lab File: VF061419.D
Acq: 16 Jan 2019 18:44

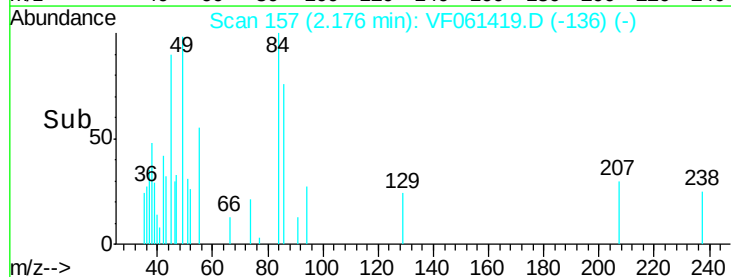
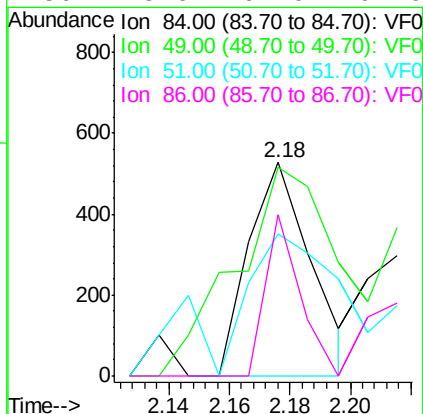
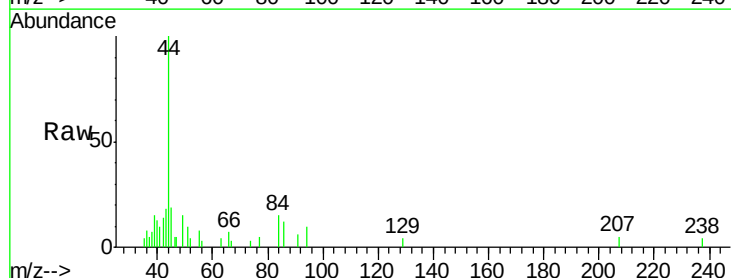
Instrument :
MSVOA_F
ClientSampleId :
VOC-7RE

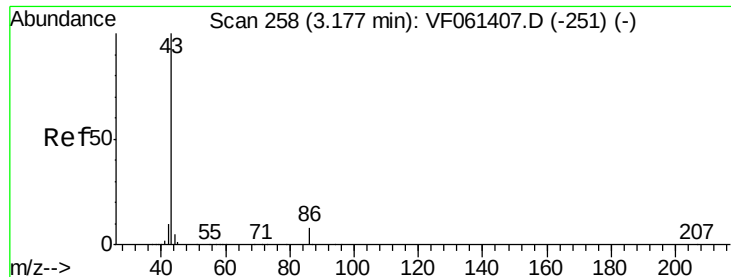
Tot Ion: 43 Resp: 31200
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061419.D
Acq: 16 Jan 2019 18:44

Tgt Ion: 84 Resp: 758
Ion Ratio Lower Upper
84 100
49 97.9 120.0 180.0#
51 66.5 38.6 58.0#
86 75.6 61.0 91.6





#23

Vinyl Acetate

Concen: 3.393 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.03 min

Lab File: VF061419.D

Acq: 16 Jan 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

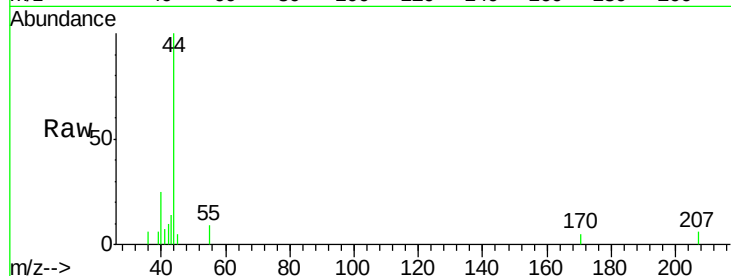
VOC-7RE

Tot Ion: 43 Resp: 644

Ion Ratio Lower Upper

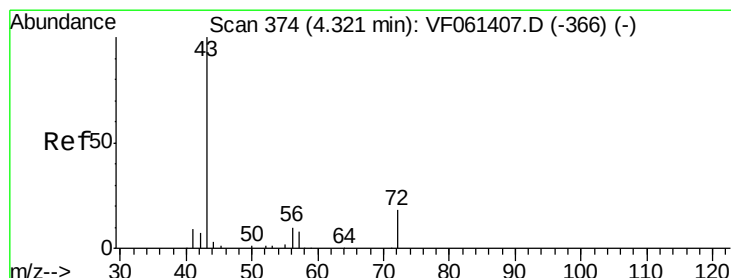
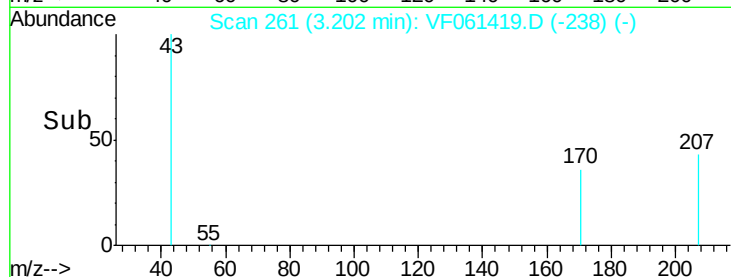
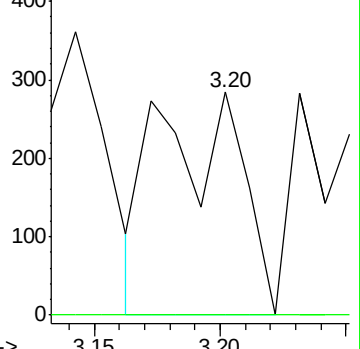
43 100

86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 1.569 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.02 min

Lab File: VF061419.D

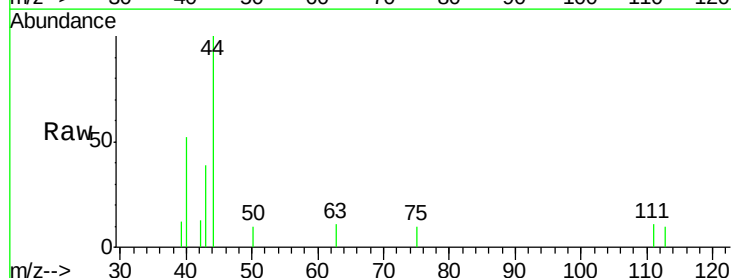
Acq: 16 Jan 2019 18:44

Tgt Ion: 43 Resp: 1483

Ion Ratio Lower Upper

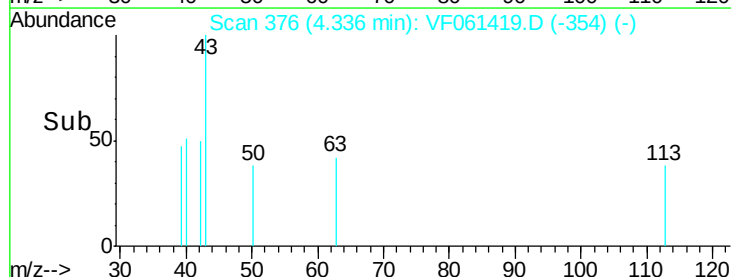
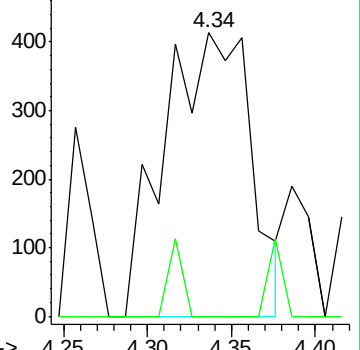
43 100

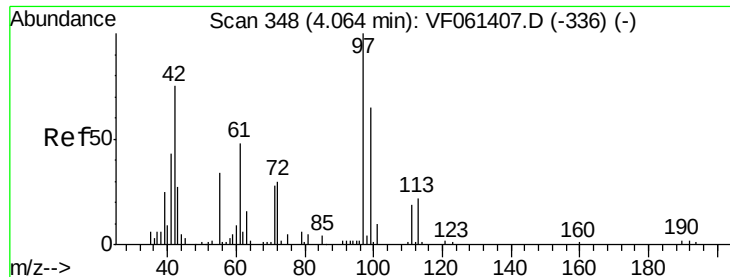
72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 2.523 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061419.D

Acq: 16 Jan 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

VOC-7RE

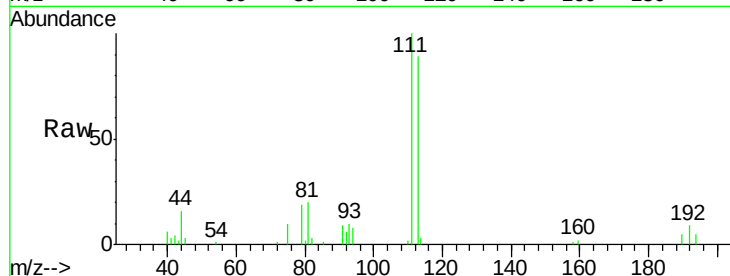
Tot Ion: 42 Resp: 1027

Ion Ratio Lower Upper

42 100

72 15.8 28.9 43.3#

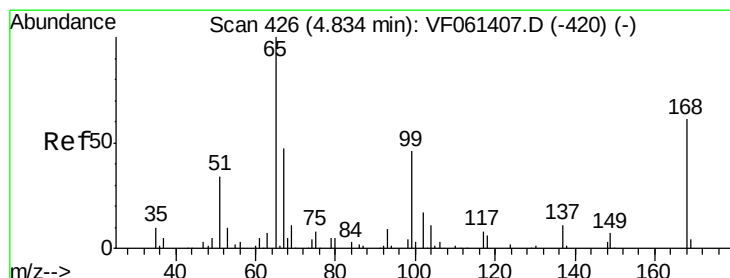
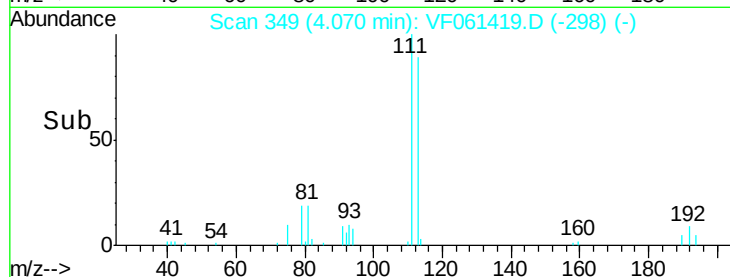
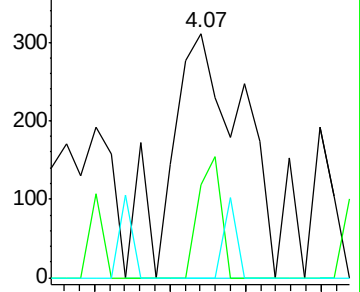
71 5.8 29.6 44.4#



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



#33

1,2-Dichloroethane-d4

Concen: 45.515 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061419.D

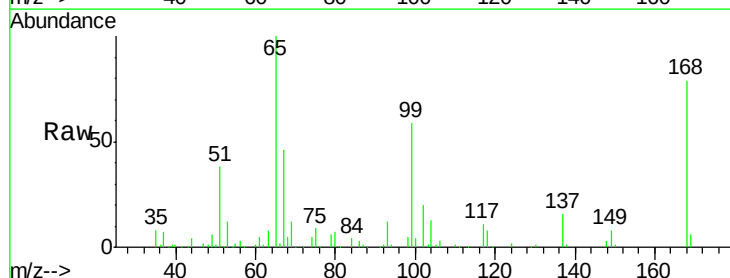
Acq: 16 Jan 2019 18:44

Tgt Ion: 65 Resp: 128994

Ion Ratio Lower Upper

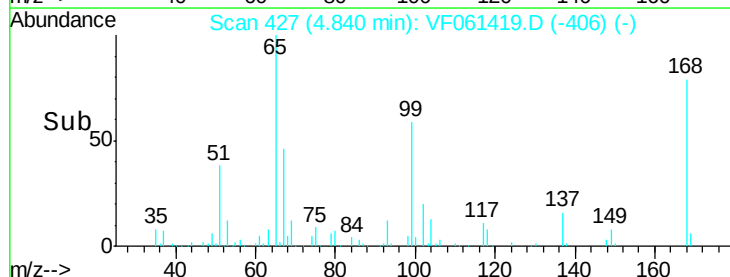
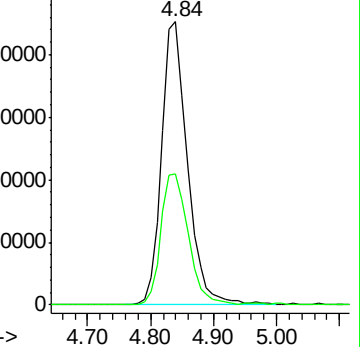
65 100

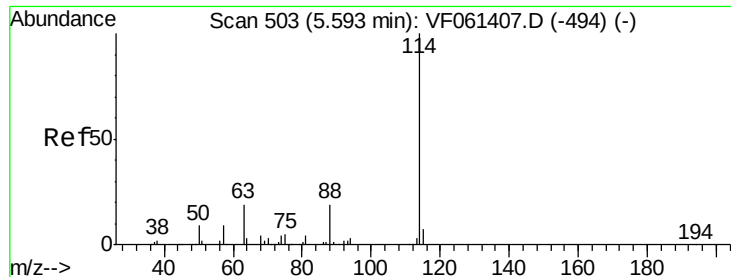
67 46.3 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061419.D

Acq: 16 Jan 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

VOC-7RE

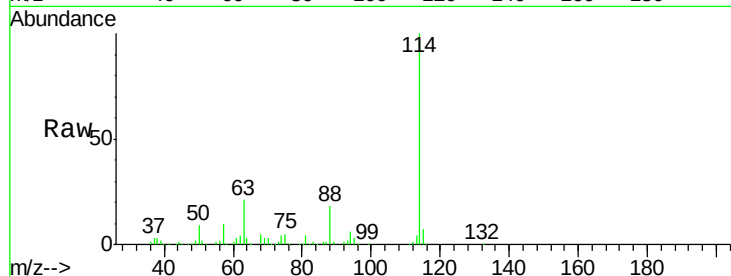
Tot Ion:114 Resp: 412727

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

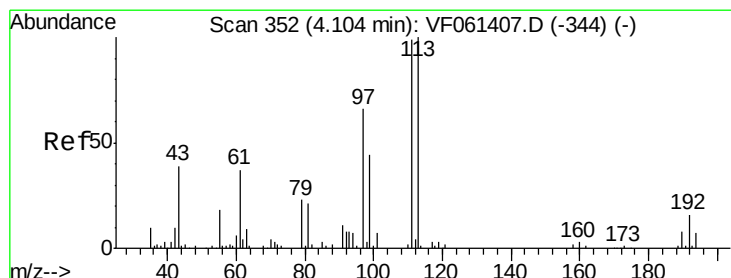
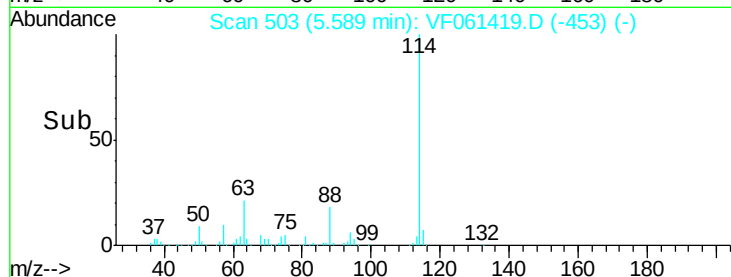
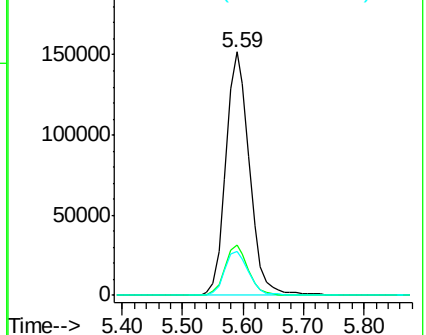
88 18.1 0.0 37.4



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: 44.186 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061419.D

Acq: 16 Jan 2019 18:44

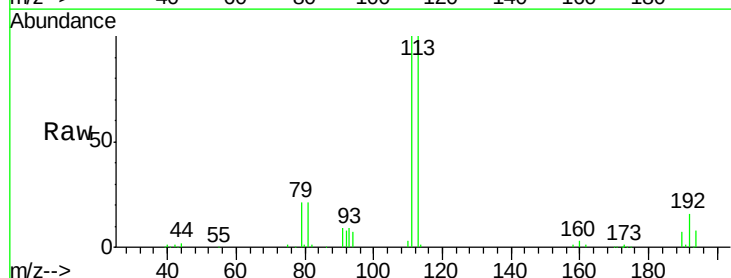
Tgt Ion:113 Resp: 143903

Ion Ratio Lower Upper

113 100

111 100.2 79.4 119.0

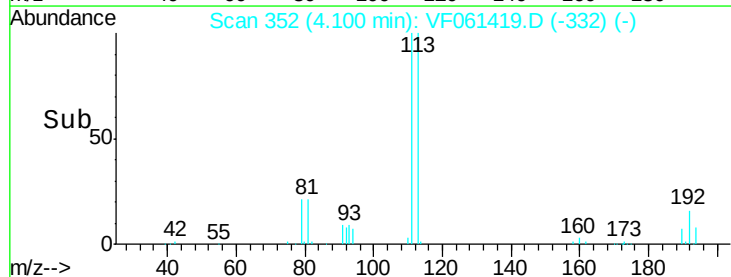
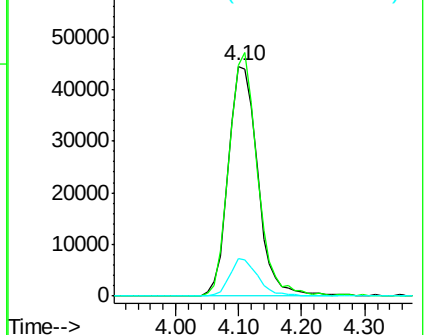
192 16.5 12.4 18.6

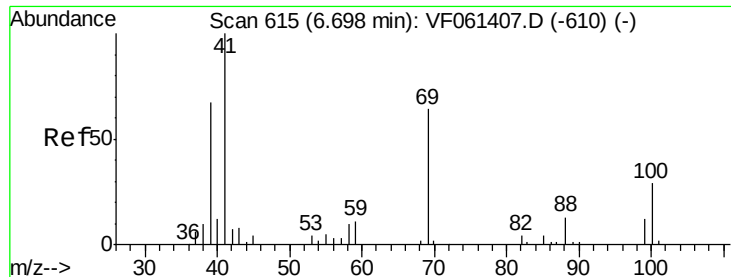


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.50 min Scan# 595

Delta R.T. -0.20 min

Lab File: VF061419.D

Acq: 16 Jan 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

VOC-7RE

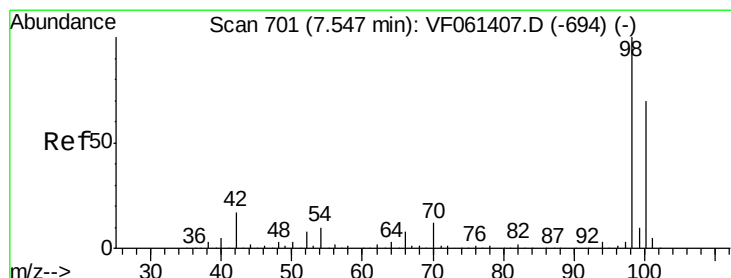
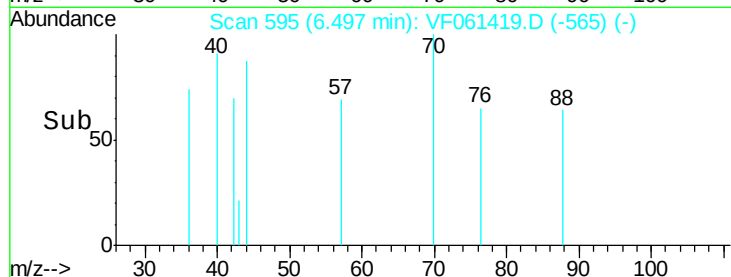
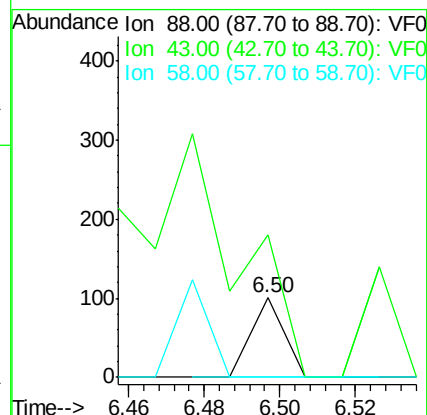
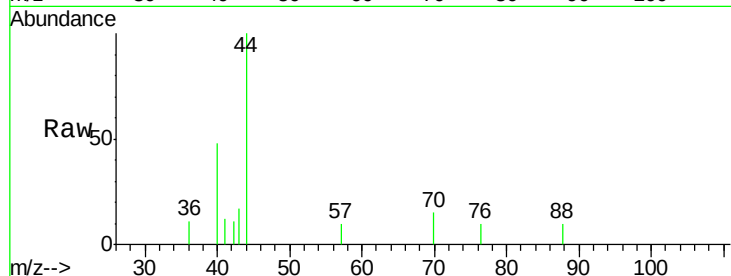
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 179.2 55.5 83.3#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 39.563 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061419.D

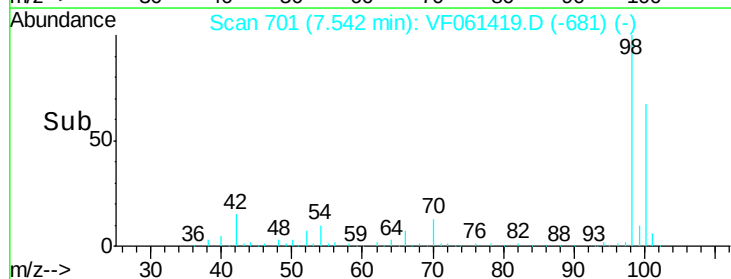
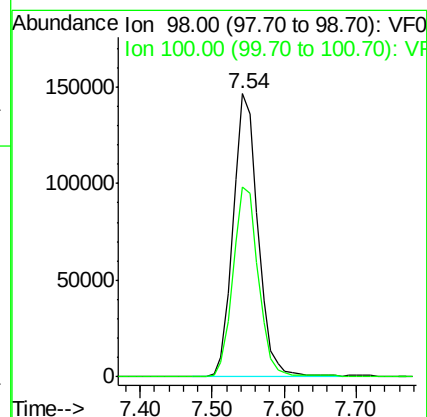
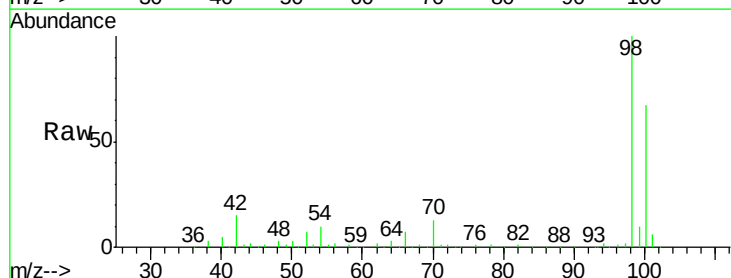
Acq: 16 Jan 2019 18:44

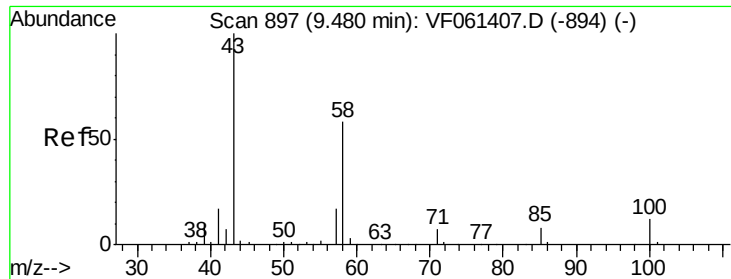
Tgt Ion: 98 Resp: 353021

Ion Ratio Lower Upper

98 100

100 67.2 55.6 83.4





#59

2-Hexanone

Concen: 1.116 ug/l

RT: 9.50 min Scan# 899

Delta R.T. 0.02 min

Lab File: VF061419.D

Acq: 16 Jan 2019 18:44

Instrument :

MSVOA_F

ClientSampleId :

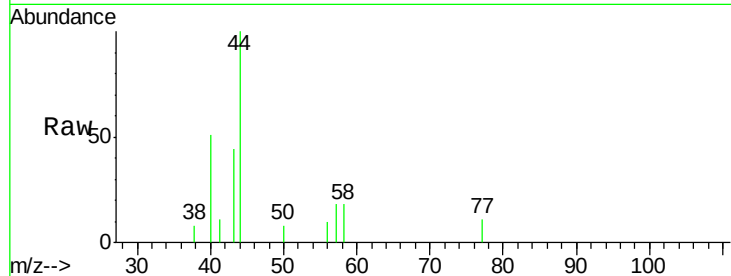
VOC-7RE

Tot Ion: 43 Resp: 1373

Ion Ratio Lower Upper

43 100

58 41.3 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

600

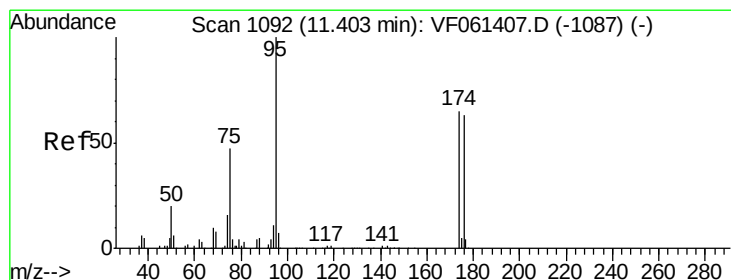
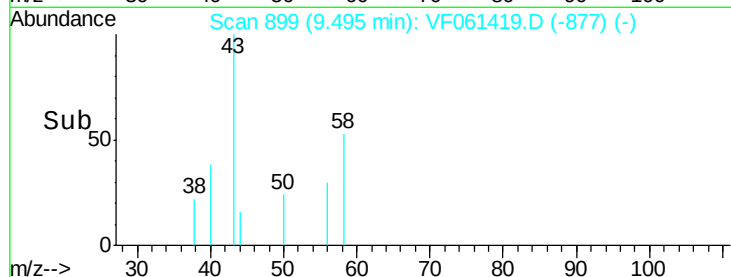
400

200

0

9.45 9.50 9.55

Time-->



#62

4-Bromofluorobenzene

Concen: 34.540 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061419.D

Acq: 16 Jan 2019 18:44

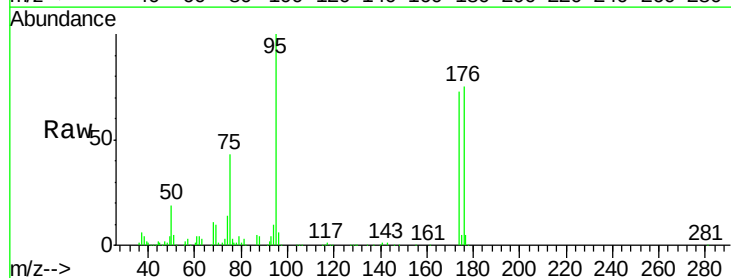
Tgt Ion: 95 Resp: 143999

Ion Ratio Lower Upper

95 100

174 73.0 0.0 130.4

176 74.5 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

100000

80000

60000

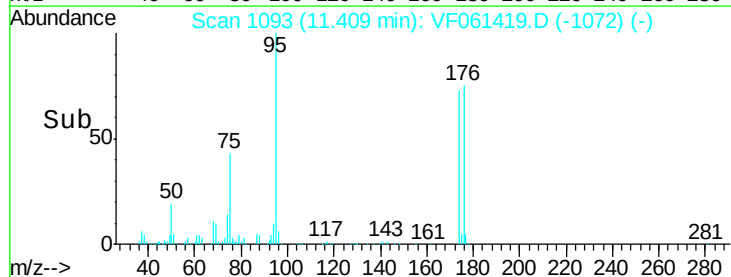
40000

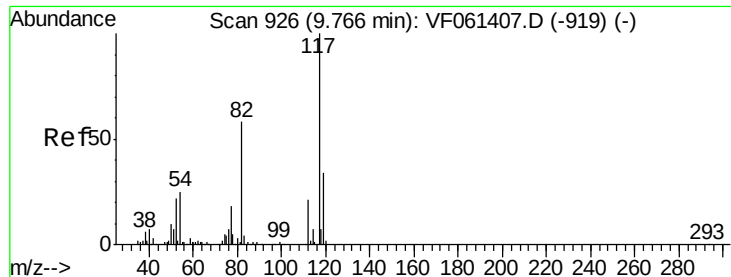
20000

0

11.30 11.40 11.50 11.60

Time-->

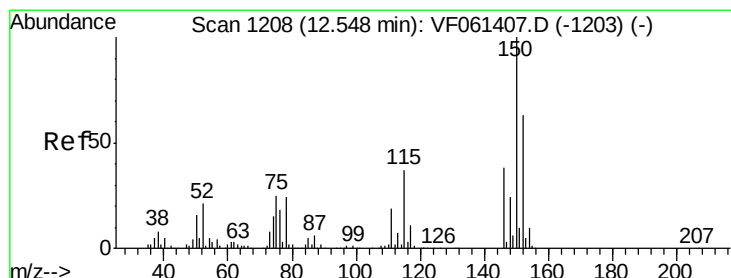
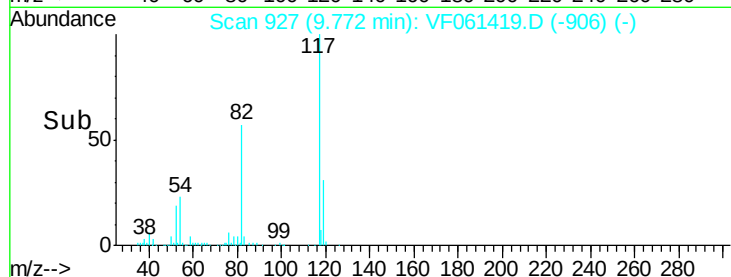
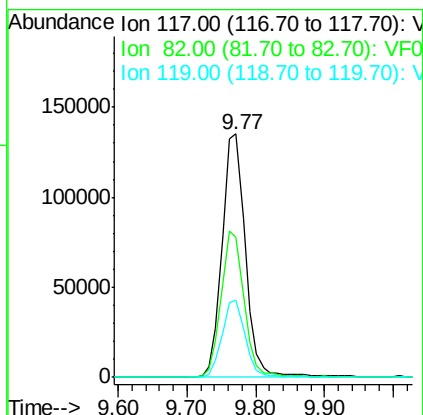
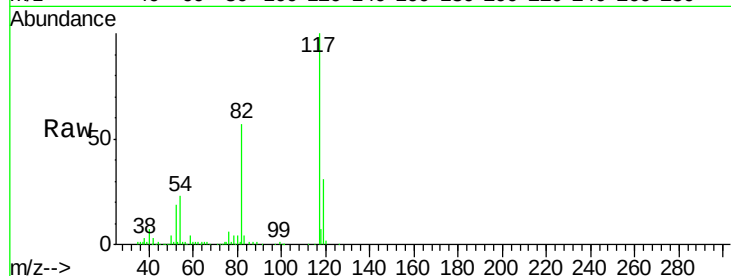




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061419.D
Acq: 16 Jan 2019 18:44

Instrument :
MSVOA_F
ClientSampleId :
VOC-7RE

Tot Ion:117 Resp: 319581
Ion Ratio Lower Upper
117 100
82 57.5 46.4 69.6
119 31.5 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061419.D
Acq: 16 Jan 2019 18:44

Tgt Ion:152 Resp: 126793
Ion Ratio Lower Upper
152 100
115 64.3 30.0 90.0
150 162.4 0.0 321.4

