

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061273.D
 Acq On : 7 Jan 2019 12:12
 Operator : VA/AP
 Sample : VF0107SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0107SBL01

Quant Time: Jan 08 00:13:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

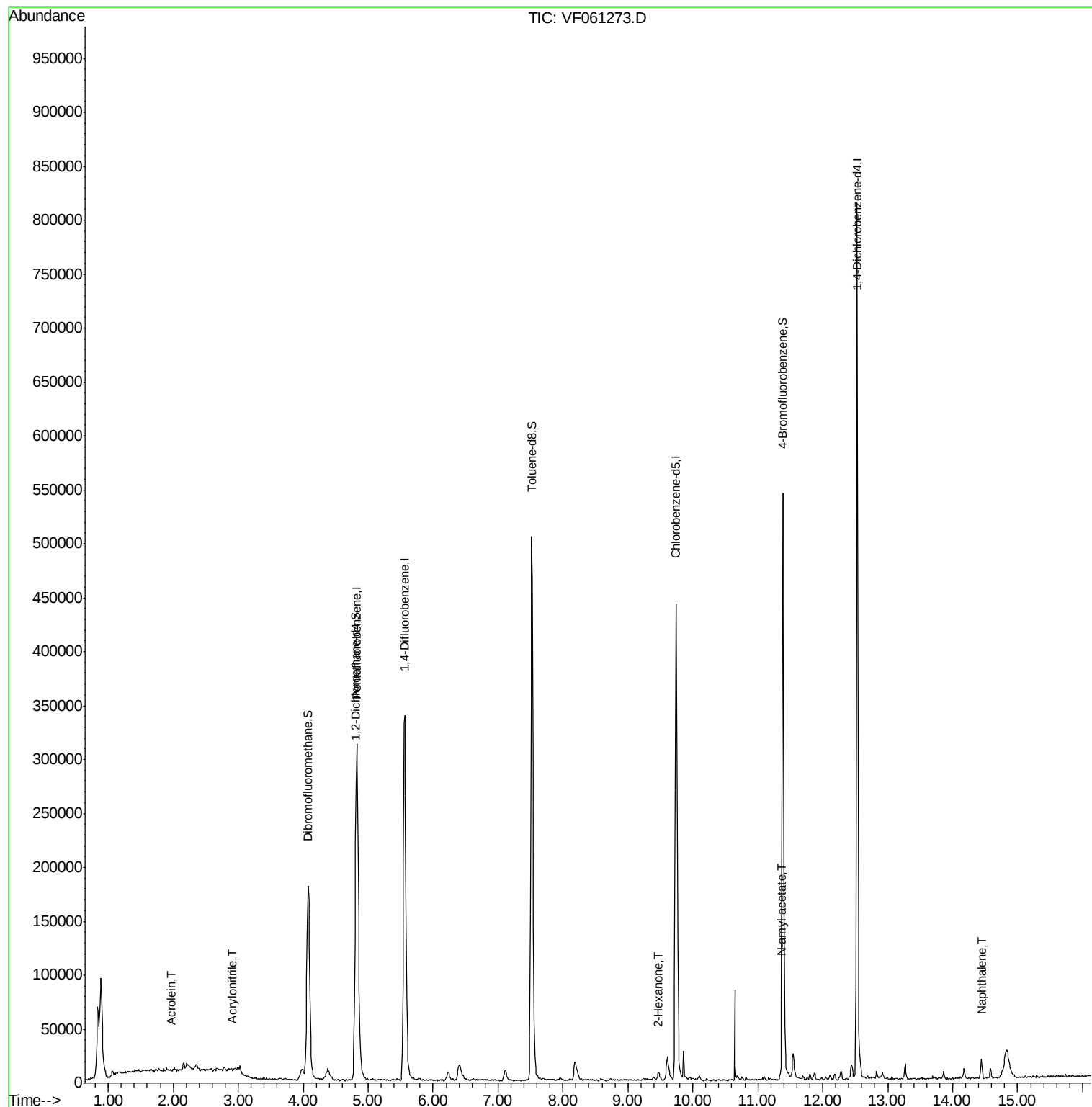
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	225891	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	389245	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	329254	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	196621	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	141384	49.31	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	98.62%	
35) Dibromofluoromethane	4.08	113	168423	56.24	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	112.48%	
50) Toluene-d8	7.52	98	428399	48.21	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	11.38	95	217036	55.12	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	110.24%	
Target Compounds						
					Qvalue	
13) Acrolein	1.96	56	1267	7.715	ug/l	87
15) Acrylonitrile	2.91	53	1539	4.758	ug/l #	83
16) Acetone	2.21	43	5268	Below Cal		95
18) Methyl Acetate	2.44	43	396	Below Cal		95
20) Methylene Chloride	2.16	84	2933	Below Cal	#	76
25) 2-Butanone	4.30	43	2189	Below Cal	#	62
29) Tetrahydrofuran	4.05	42	1008	Below Cal	#	87
41) Methacrylonitrile	4.72	41	1240	Below Cal	#	86
51) 4-Methyl-2-Pentanone	8.24	43	4510	Below Cal		89
59) 2-Hexanone	9.47	43	6240	5.081	ug/l	84
74) N-amyl acetate	11.36	43	5786	1.372	ug/l #	90
89) n-Butylbenzene	12.83	91	3103	Below Cal		90
95) Naphthalene	14.43	128	11088	1.296	ug/l	96

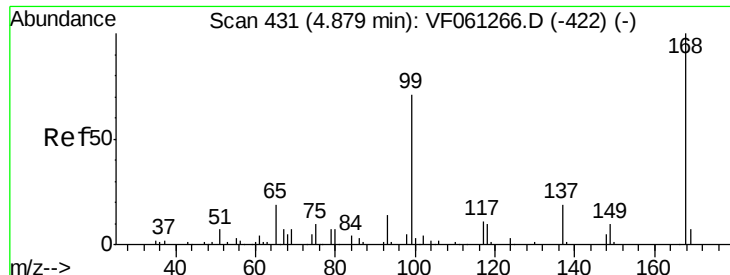
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF010719\
Data File : VF061273.D
Acq On : 7 Jan 2019 12:12
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ClientSampleId :
VF0107SBL01

Quant Time: Jan 08 00:13:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 03:27:18 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 426

Delta R.T. -0.04 min

Lab File: VF061273.D

Acq: 7 Jan 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

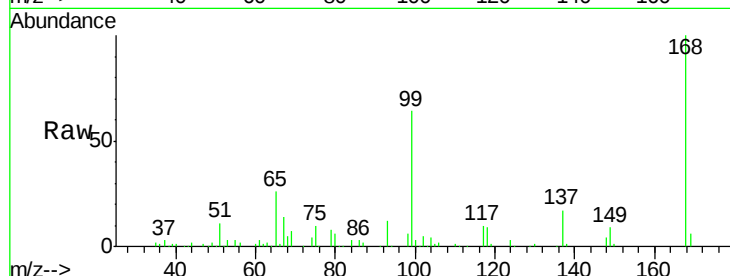
VF0107SBL01

Tot Ion:168 Resp: 225891

Ion Ratio Lower Upper

168 100

99 64.2 57.0 85.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

80000

60000

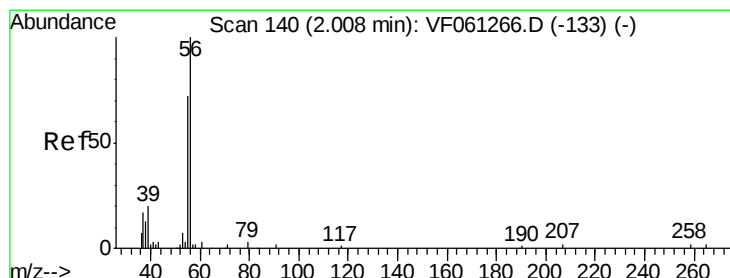
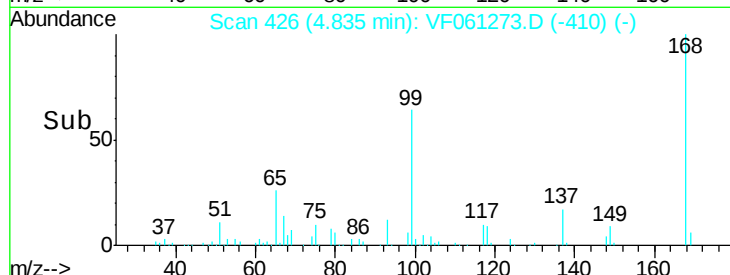
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#13

Acrolein

Concen: 7.715 ug/l

RT: 1.96 min Scan# 135

Delta R.T. -0.04 min

Lab File: VF061273.D

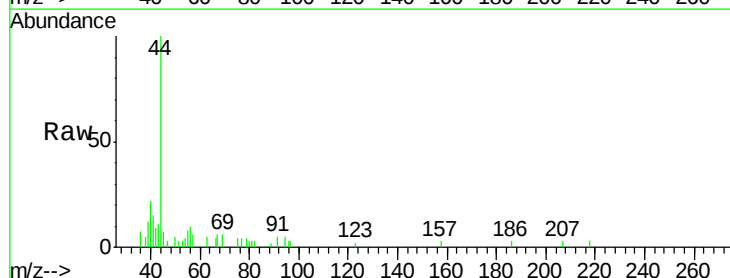
Acq: 7 Jan 2019 12:12

Tgt Ion: 56 Resp: 1267

Ion Ratio Lower Upper

56 100

55 85.5 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.96

500

400

300

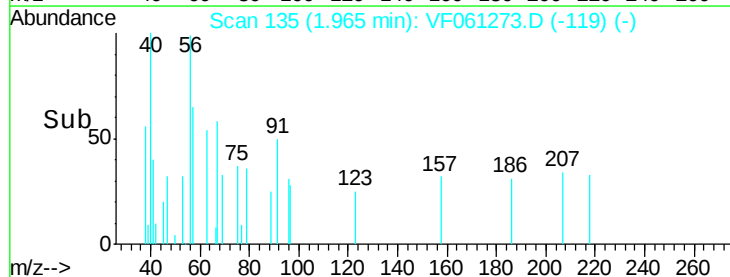
200

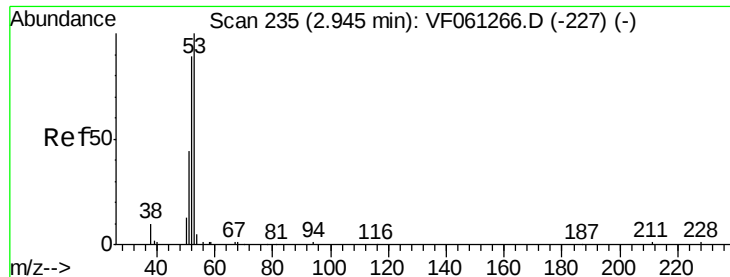
100

0

1.95 2.00 2.05

Time-->





#15

Acrylonitrile

Concen: 4.758 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.03 min

Lab File: VF061273.D

Acq: 7 Jan 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBL01

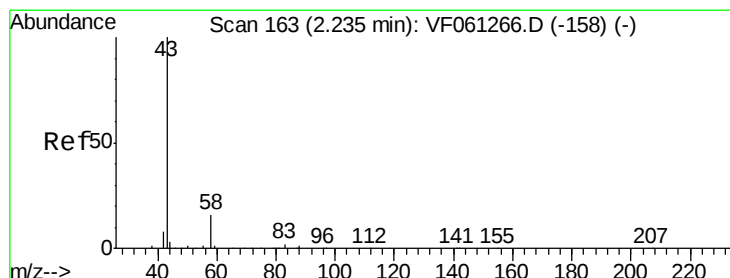
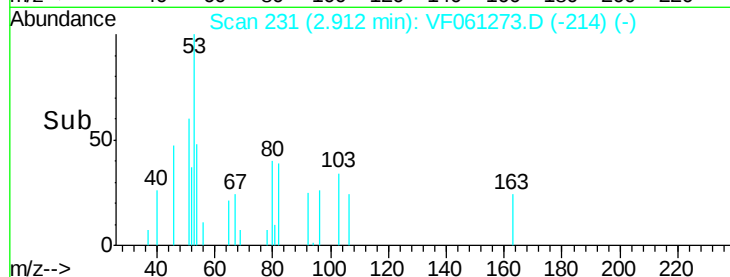
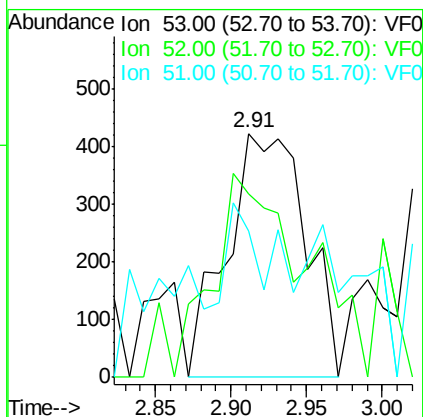
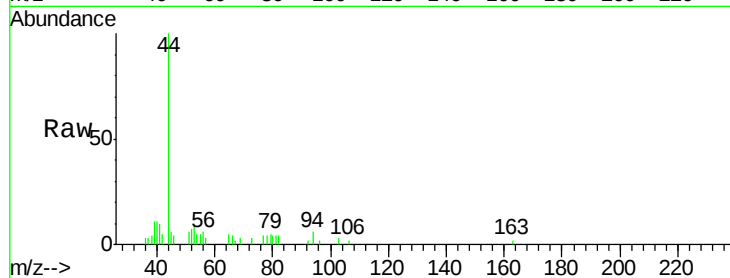
Tot Ion: 53 Resp: 1539

Ion Ratio Lower Upper

53 100

52 75.4 71.3 106.9

51 60.0 36.2 54.4#



#16

Acetone

Concen: Below Cal

RT: 2.21 min Scan# 160

Delta R.T. -0.02 min

Lab File: VF061273.D

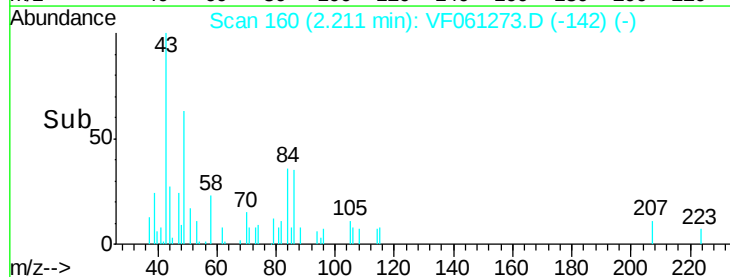
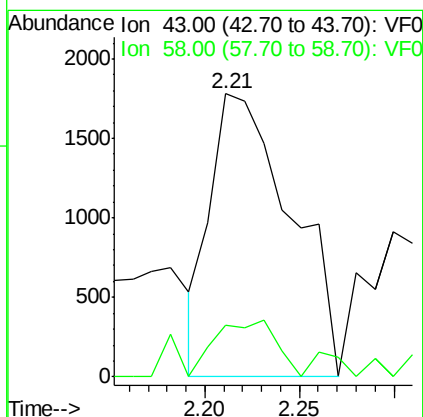
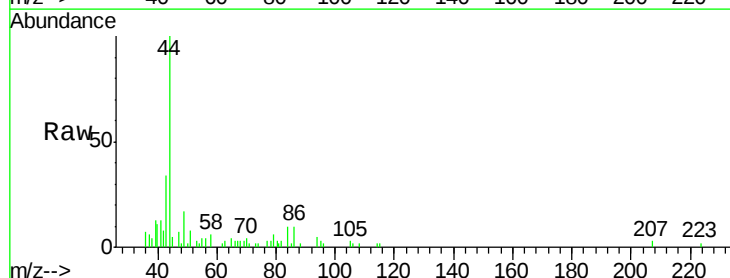
Acq: 7 Jan 2019 12:12

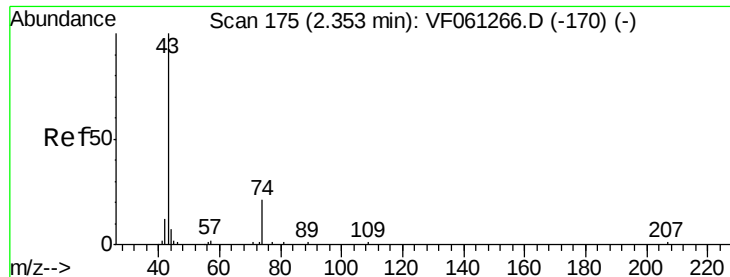
Tgt Ion: 43 Resp: 5268

Ion Ratio Lower Upper

43 100

58 18.2 13.0 19.4

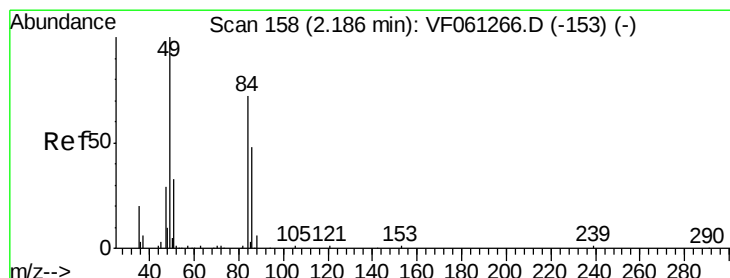
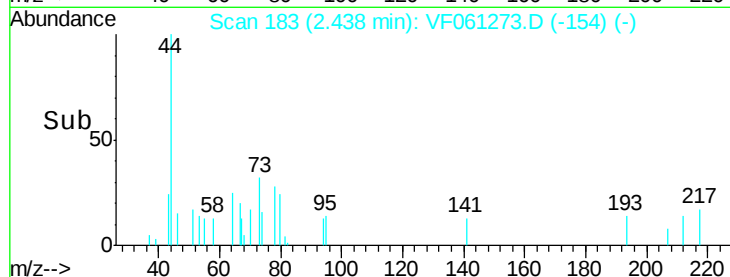
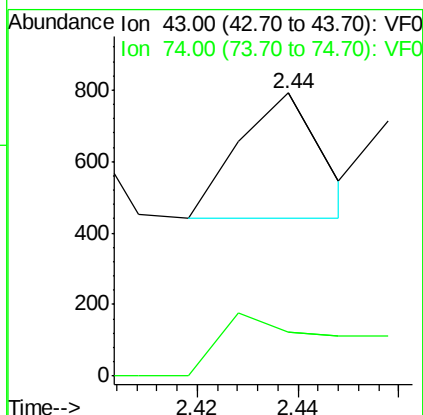
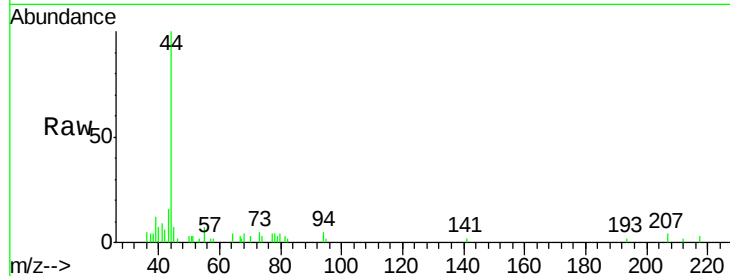




#18
Methvl Acetate
Concen: Below Cal
RT: 2.44 min Scan# 183
Delta R.T. 0.09 min
Lab File: VF061273.D
Acq: 7 Jan 2019 12:12

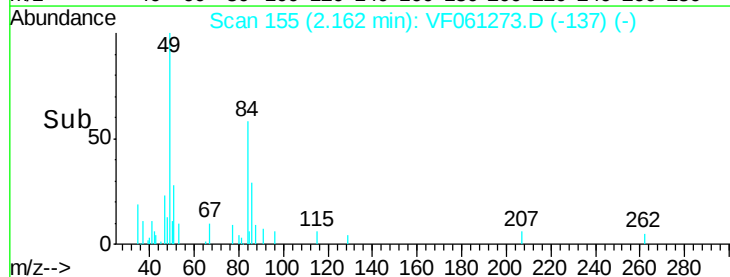
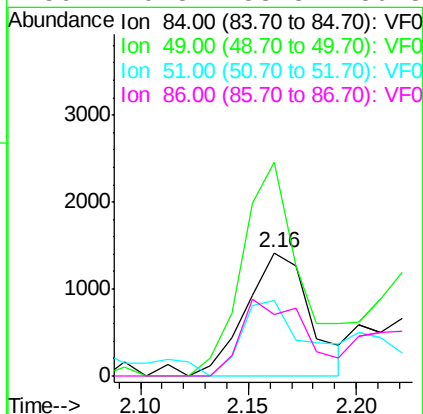
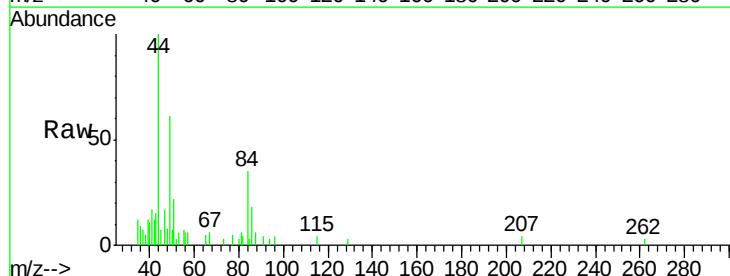
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBL01

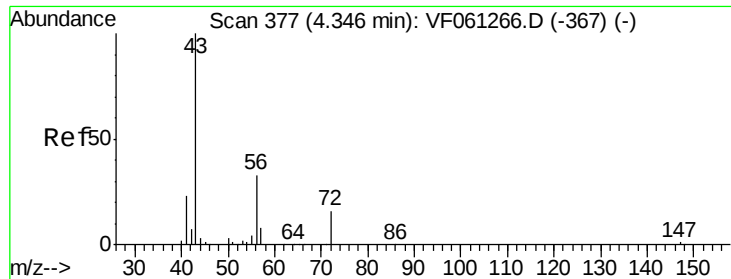
Tot Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
74 15.7 14.4 21.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.16 min Scan# 155
Delta R.T. -0.02 min
Lab File: VF061273.D
Acq: 7 Jan 2019 12:12

Tgt Ion: 84 Resp: 2933
Ion Ratio Lower Upper
84 100
49 173.1 112.9 169.3#
51 61.3 37.9 56.9#
86 49.8 53.8 80.8#





#25

2-Butanone

Concen: Below Cal

RT: 4.30 min Scan# 372

Delta R.T. -0.04 min

Lab File: VF061273.D

Acq: 7 Jan 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

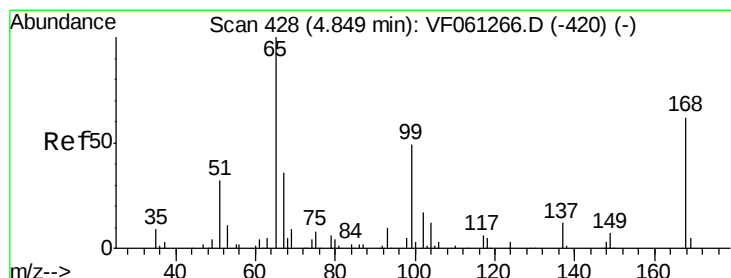
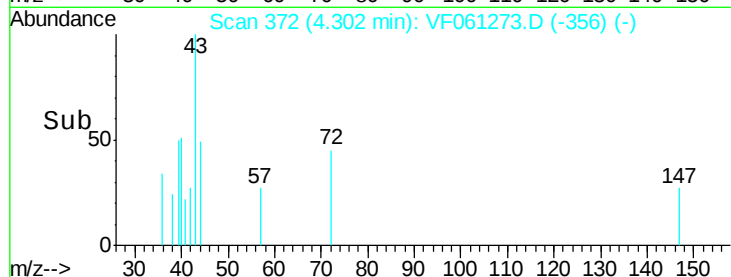
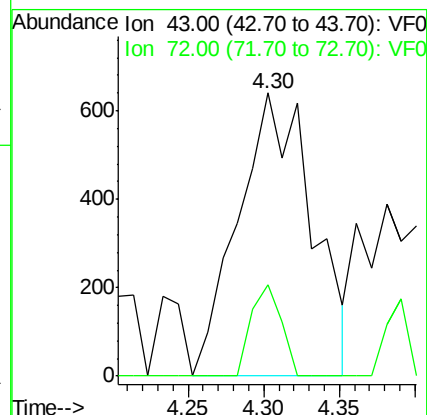
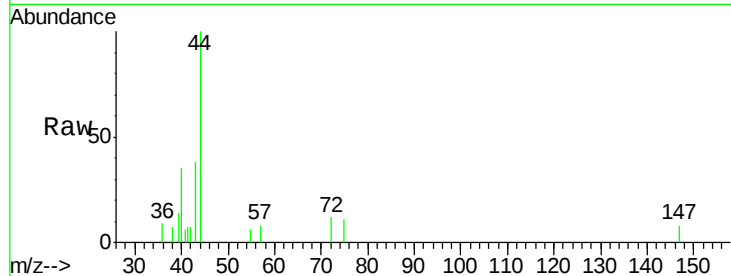
VF0107SBL01

Tot Ion: 43 Resp: 2189

Ion Ratio Lower Upper

43 100

72 32.5 13.0 19.6#



#33

1,2-Dichloroethane-d4

Concen: 49.307 ug/l

RT: 4.81 min Scan# 423

Delta R.T. -0.04 min

Lab File: VF061273.D

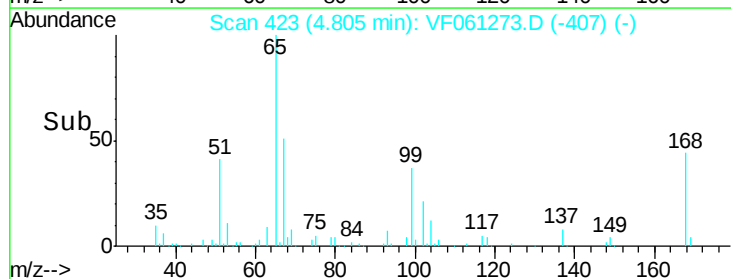
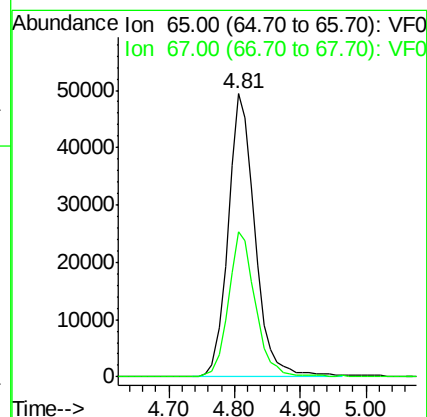
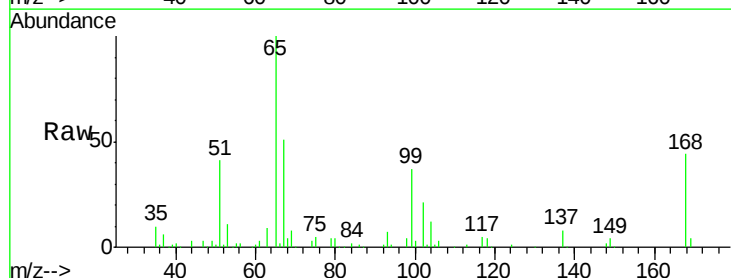
Acq: 7 Jan 2019 12:12

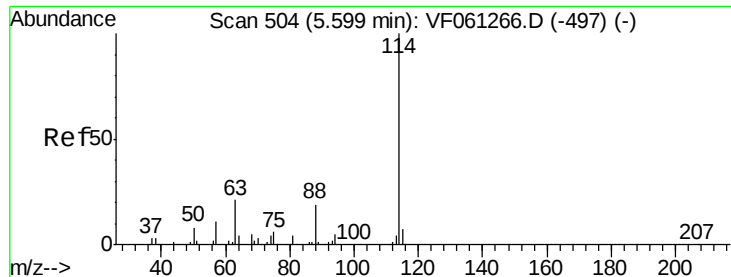
Tgt Ion: 65 Resp: 141384

Ion Ratio Lower Upper

65 100

67 51.2 0.0 90.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 500

Delta R.T. -0.03 min

Lab File: VF061273.D

Acq: 7 Jan 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

VF0107SBL01

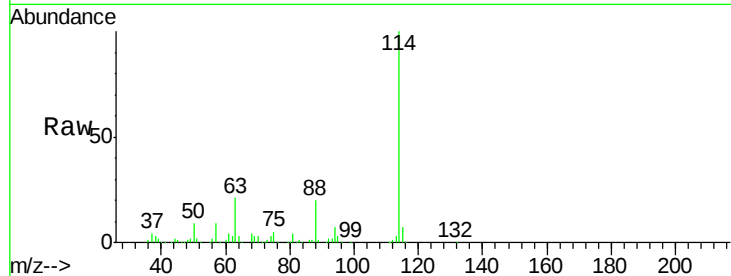
Tot Ion:114 Resp: 389245

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.8

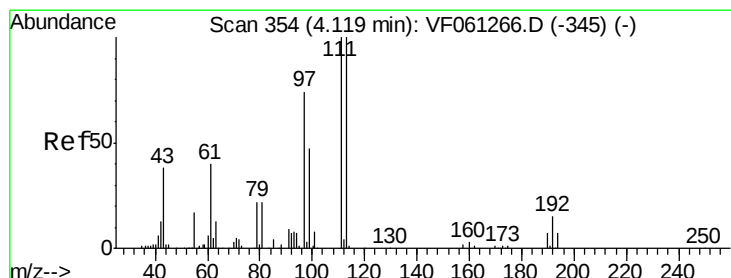
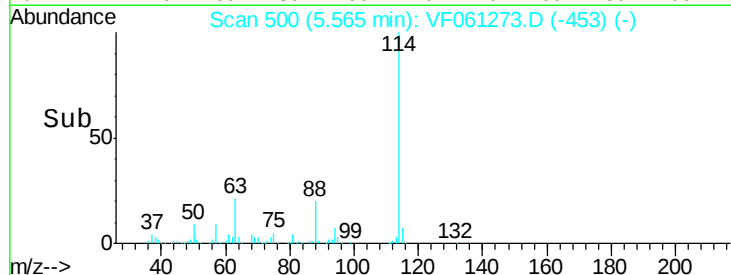
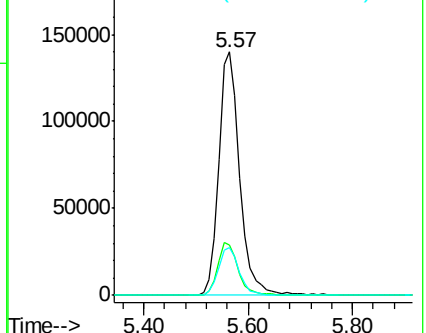
88 19.7 0.0 38.4



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: 56.241 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF061273.D

Acq: 7 Jan 2019 12:12

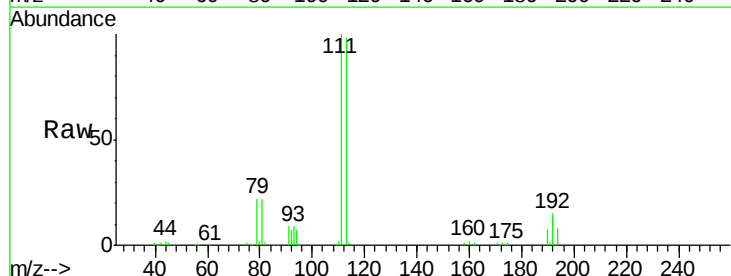
Tgt Ion:113 Resp: 168423

Ion Ratio Lower Upper

113 100

111 101.8 79.8 119.6

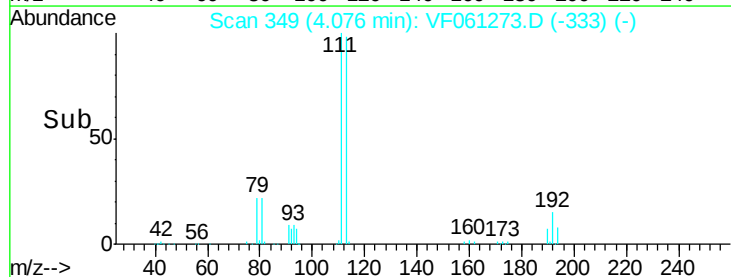
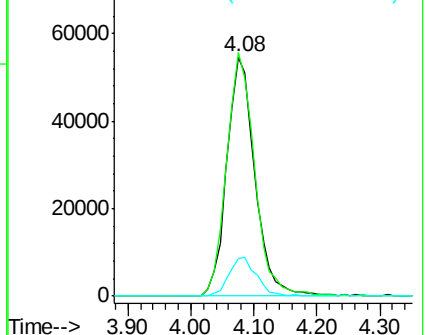
192 15.6 11.9 17.9

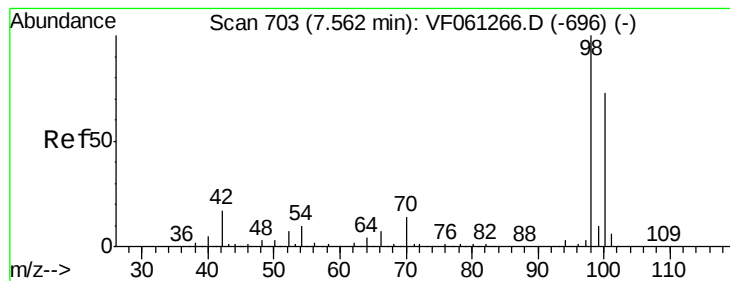


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 48.207 ug/l

RT: 7.52 min Scan# 698

Delta R.T. -0.04 min

Lab File: VF061273.D

Acq: 7 Jan 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

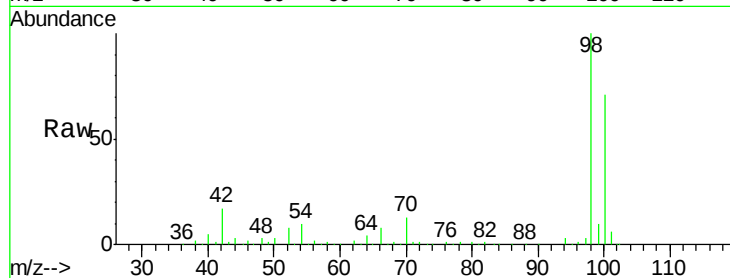
VF0107SBL01

Tot Ion: 98 Resp: 428399

Ion Ratio Lower Upper

98 100

100 70.7 58.1 87.1



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

200000

150000

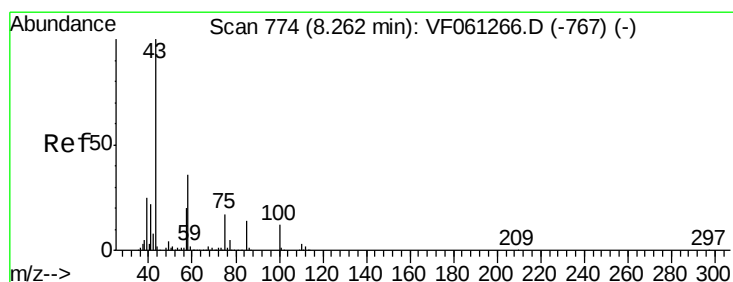
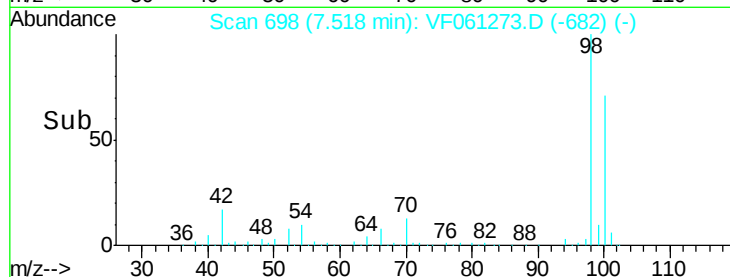
100000

50000

0

7.40 7.50 7.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: Below Cal

RT: 8.24 min Scan# 771

Delta R.T. -0.02 min

Lab File: VF061273.D

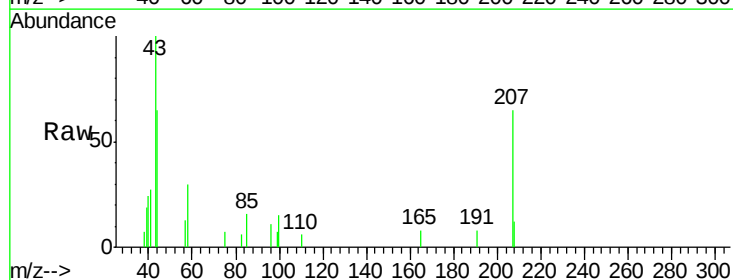
Acq: 7 Jan 2019 12:12

Tgt Ion: 43 Resp: 4510

Ion Ratio Lower Upper

43 100

58 29.7 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2000

1500

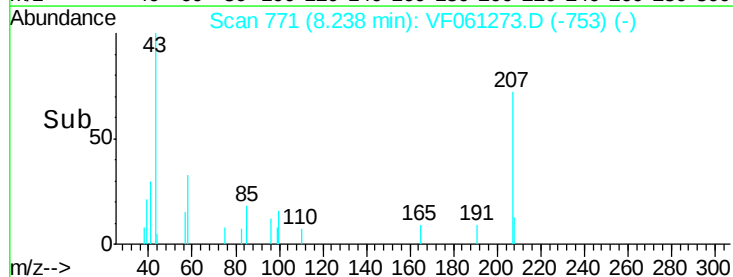
1000

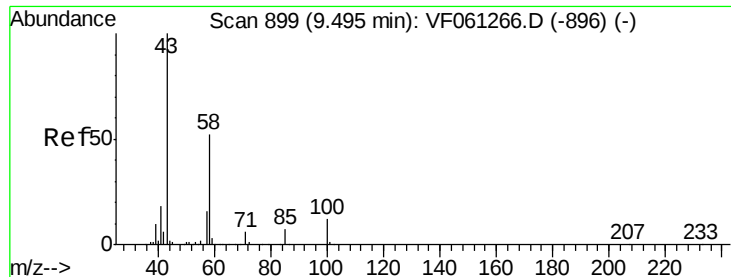
500

0

8.10 8.15 8.20 8.25 8.30

Time-->

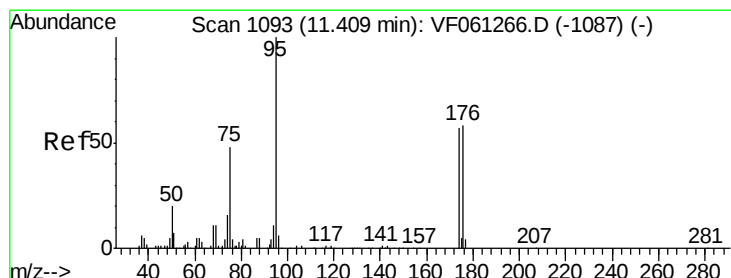
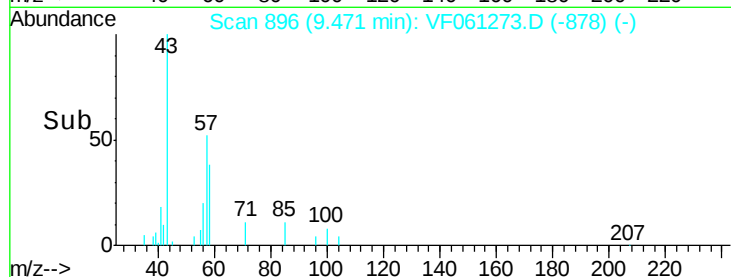
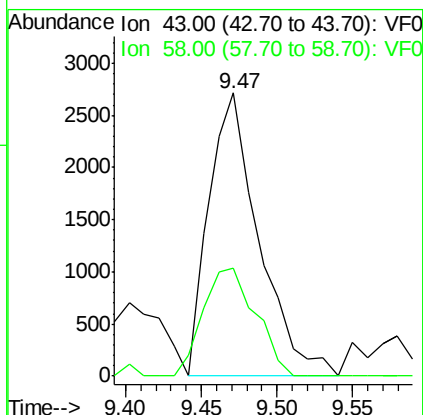
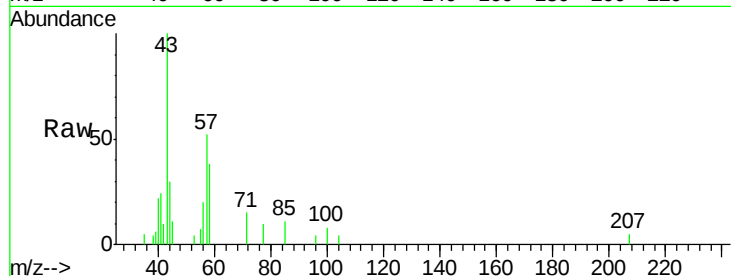




#59
2-Hexanone
Concen: 5.081 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.02 min
Lab File: VF061273.D
Acq: 7 Jan 2019 12:12

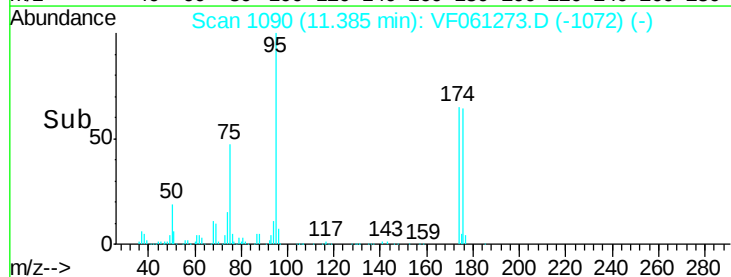
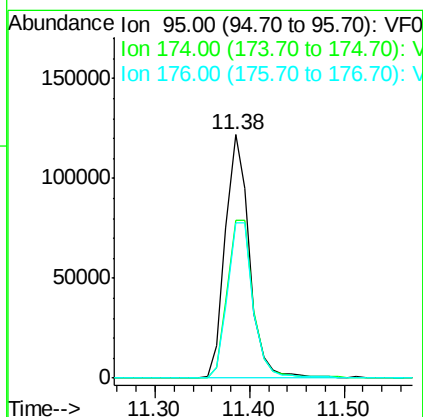
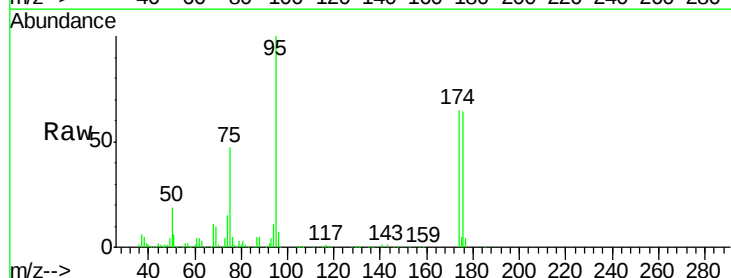
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBL01

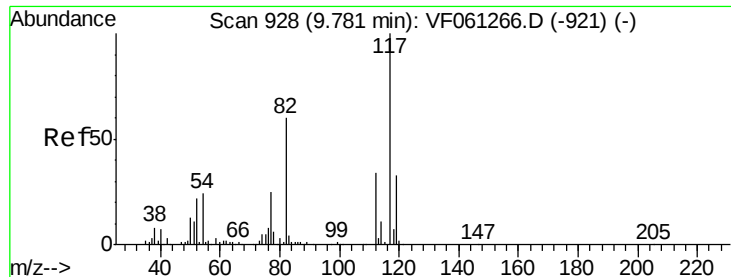
Tot Ion: 43 Resp: 6240
Ion Ratio Lower Upper
43 100
58 38.0 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 55.119 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. -0.02 min
Lab File: VF061273.D
Acq: 7 Jan 2019 12:12

Tgt Ion: 95 Resp: 217036
Ion Ratio Lower Upper
95 100
174 64.7 0.0 113.2
176 63.9 0.0 115.6

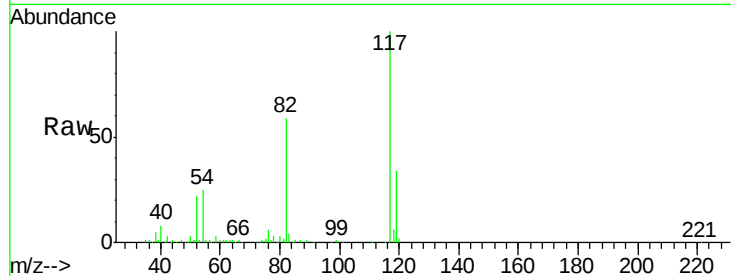




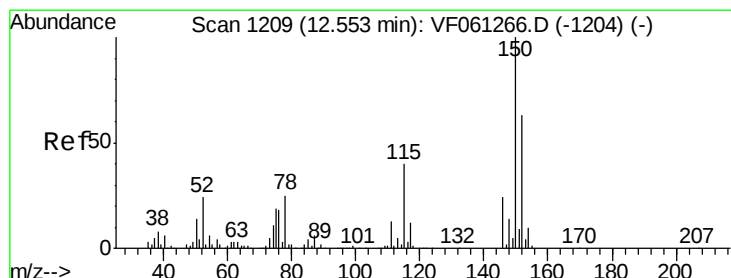
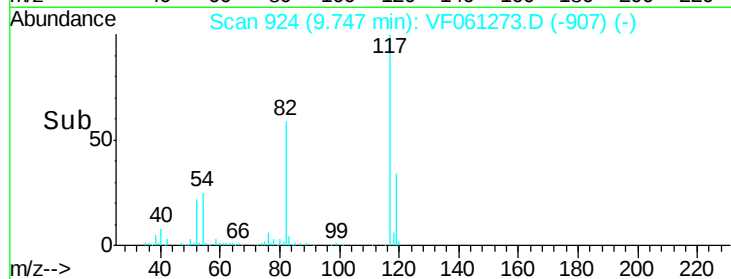
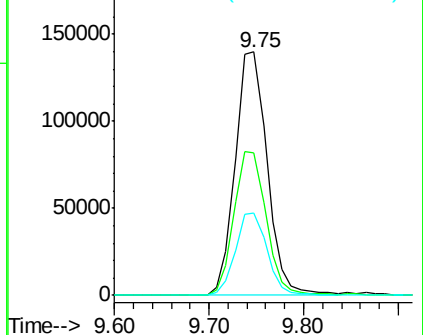
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 924
Delta R.T. -0.03 min
Lab File: VF061273.D
Acq: 7 Jan 2019 12:12

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBL01

Tot Ion:117 Resp: 329254
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.6
119 33.9 26.1 39.1

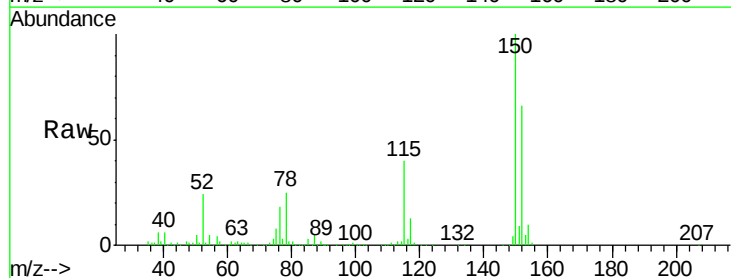


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

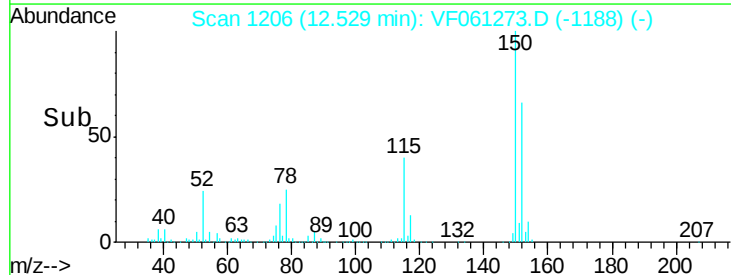
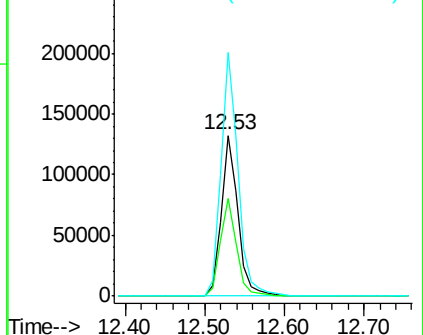


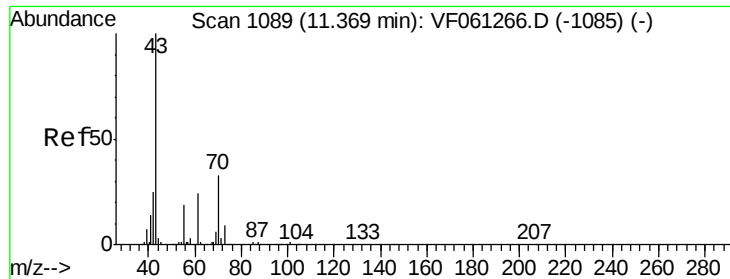
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1206
Delta R.T. -0.02 min
Lab File: VF061273.D
Acq: 7 Jan 2019 12:12

Tgt Ion:152 Resp: 196621
Ion Ratio Lower Upper
152 100
115 60.7 31.6 94.7
150 151.4 0.0 320.2



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

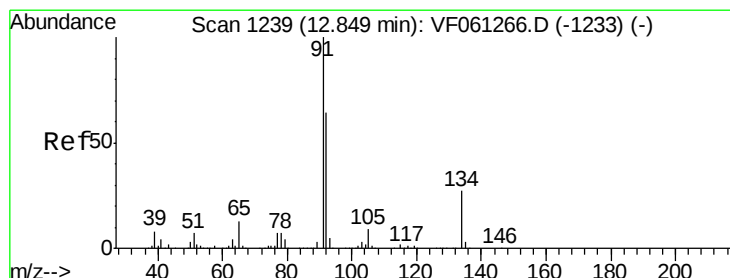
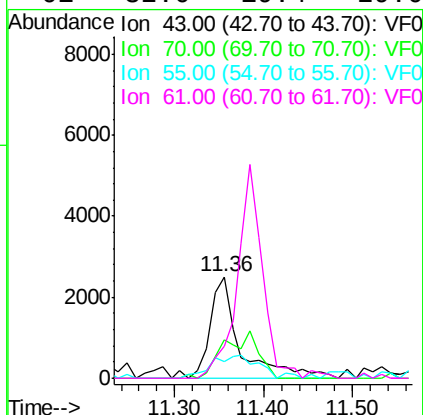
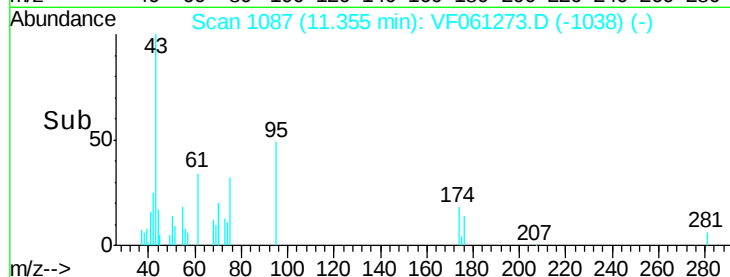
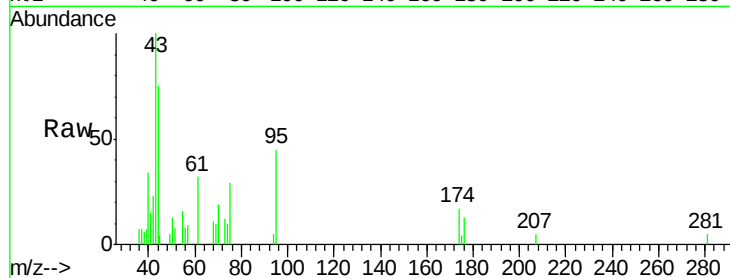




#74
N-amvl acetate
Concen: 1.372 ug/l
RT: 11.36 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VF061273.D
Acq: 7 Jan 2019 12:12

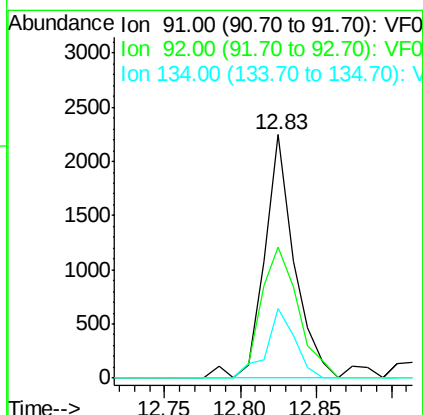
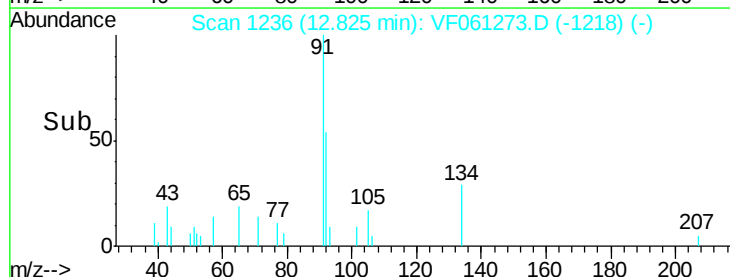
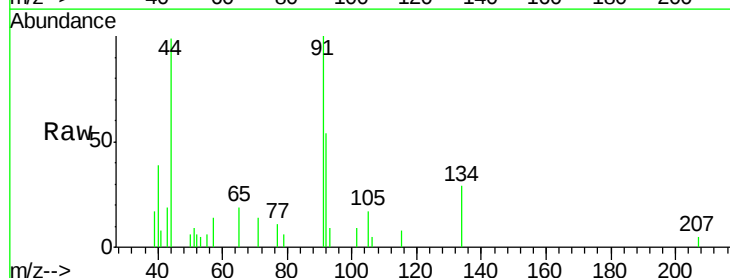
Instrument :
MSVOA_F
ClientSampleId :
VF0107SBL01

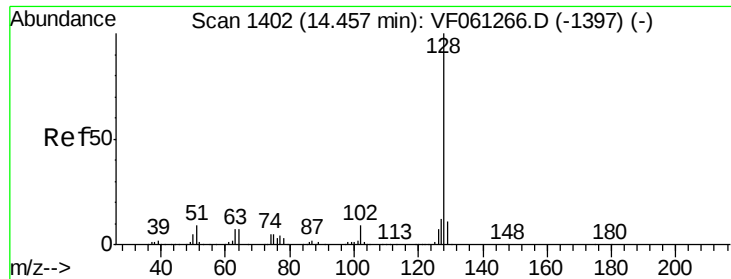
Tot Ion: 43 Resp: 5786
Ion Ratio Lower Upper
43 100
70 37.9 26.7 40.1
55 16.4 15.4 23.0
61 32.0 19.4 29.0#



#89
n-Butylbenzene
Concen: Below Cal
RT: 12.83 min Scan# 1236
Delta R.T. -0.02 min
Lab File: VF061273.D
Acq: 7 Jan 2019 12:12

Tgt Ion: 91 Resp: 3103
Ion Ratio Lower Upper
91 100
92 53.8 31.9 95.7
134 28.5 13.6 40.7





#95
Naphthalene
Concen: 1.296 ug/l
RT: 14.43 min Scan# 1399
Delta R.T. -0.02 min
Lab File: VF061273.D
Acq: 7 Jan 2019 12:12

Instrument :
MSVOA_F
ClientSampleId :
VF0107SBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.8	9.8	14.6
129	11.8	9.0	13.4

