

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061174.D
 Acq On : 24 Dec 2018 19:31
 Operator : VA/AP
 Sample : J6389-13RE
 Misc : 3.50µ/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 24 23:49:22 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

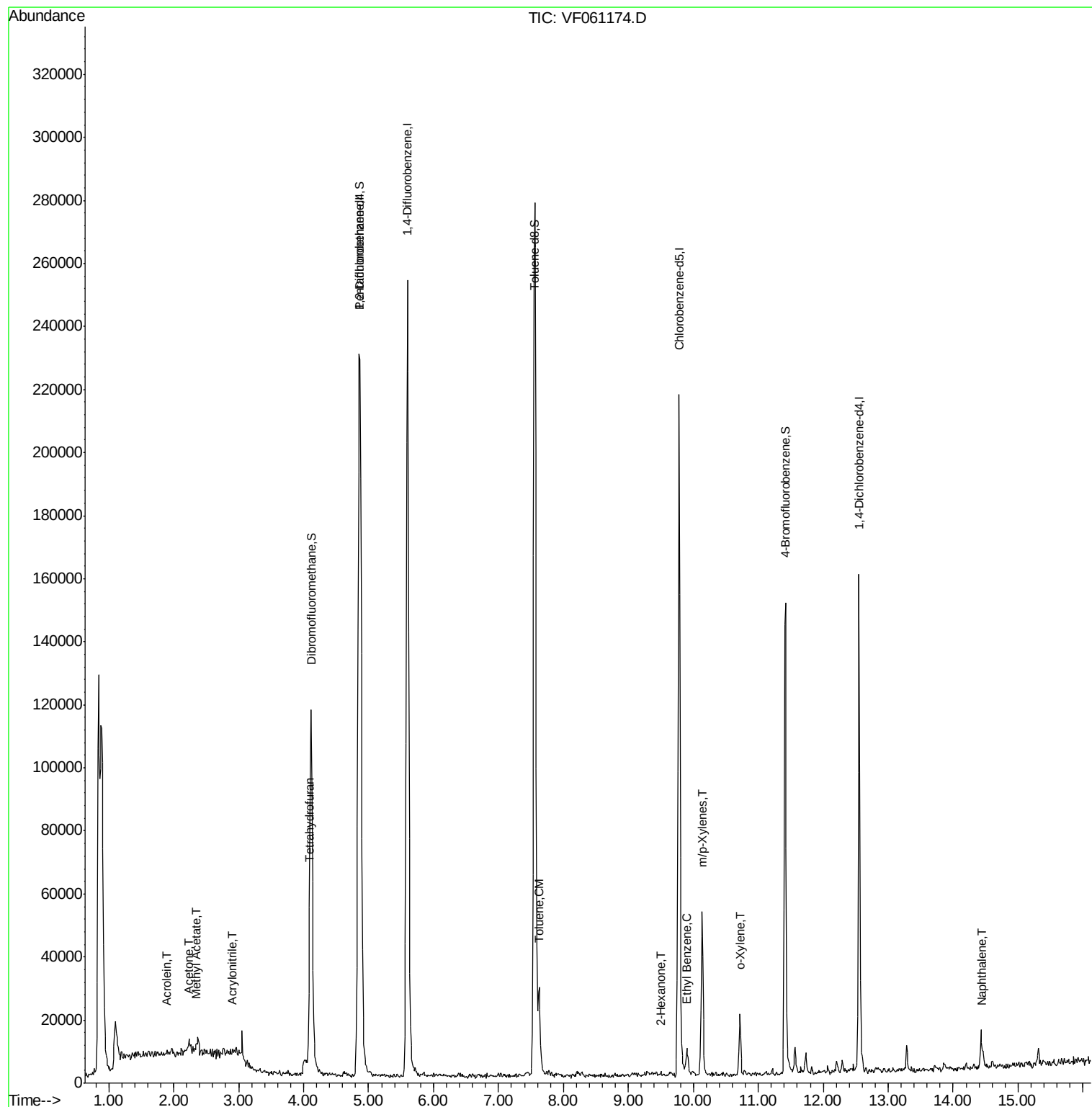
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	158703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	277501	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	152910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	38051	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	116560	57.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.20%	
35) Dibromofluoromethane	4.11	113	116710	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
50) Toluene-d8	7.56	98	236210	37.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.00%	
62) 4-Bromofluorobenzene	11.42	95	62429	21.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	43.00%	
Target Compounds						
					Qvalue	
13) Acrolein	1.90	56	607	10.198	ug/l	96
15) Acrylonitrile	2.91	53	449	2.357	ug/l #	25
16) Acetone	2.23	43	7507	18.397	ug/l	95
18) Methyl Acetate	2.35	43	3565	4.223	ug/l #	85
20) Methylene Chloride	2.23	84	227	Below Cal	#	5
29) Tetrahydrofuran	4.08	42	510	1.893	ug/l #	37
37) Ethyl Acetate	4.13	43	229	Below Cal	#	21
52) Toluene	7.62	92	14271	2.993	ug/l	96
59) 2-Hexanone	9.50	43	1293	1.612	ug/l	70
67) Ethyl Benzene	9.90	91	5963	1.036	ug/l	93
68) m/p-Xylenes	10.14	106	18495	9.132	ug/l	94
69) o-Xylene	10.72	106	5463	2.432	ug/l	73
70) Styrene	10.79	104	745	Below Cal	#	83
87) 1,3-Dichlorobenzene	12.46	146	73	Below Cal	#	25
95) Naphthalene	14.46	128	1661	1.016	ug/l #	89

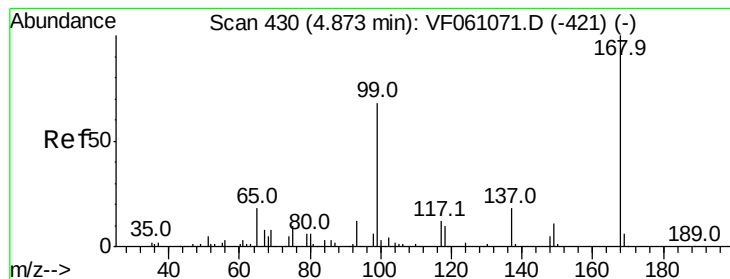
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122418\
Data File : VF061174.D
Acq On : 24 Dec 2018 19:31
Operator : VA/AP
Sample : J6389-13RE
Misc : 3.50µ/5mL/MSVOA-F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 24 23:49:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061174.D

Acq: 24 Dec 2018 19:31

Instrument :

MSVOA_F

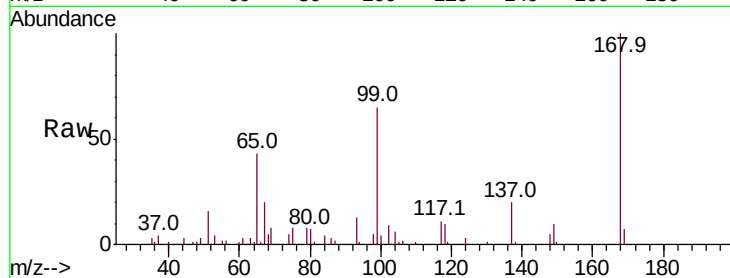
ClientSampleId :

Tot Ion:168 Resp: 158703

Ion Ratio Lower Upper

168 100

99 64.5 54.4 81.6

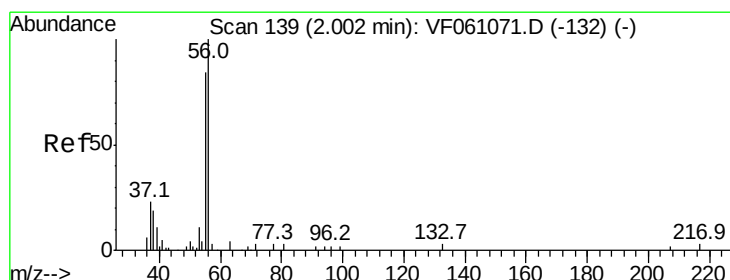
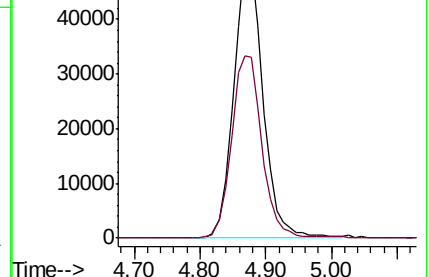
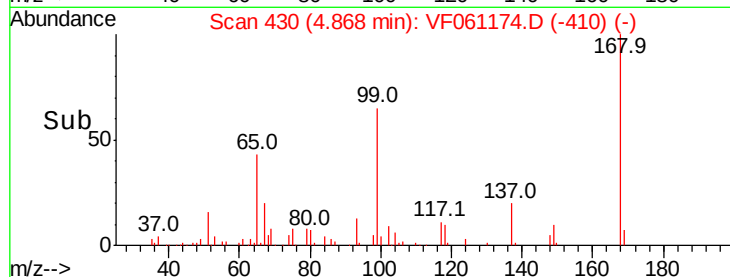


Abundance Ion 168.00 (167.70 to 168.70): VF061174.D (-410) (-)

Ion 99.00 (98.70 to 99.70): VF061174.D (-410) (-)

4.87

Time-->



#13

Acrolein

Concen: 10.198 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.10 min

Lab File: VF061174.D

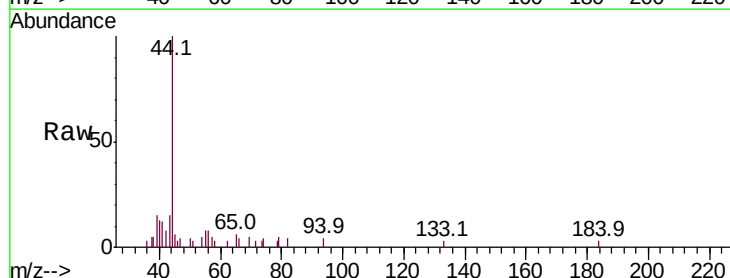
Acq: 24 Dec 2018 19:31

Tgt Ion: 56 Resp: 607

Ion Ratio Lower Upper

56 100

55 91.7 70.2 105.2

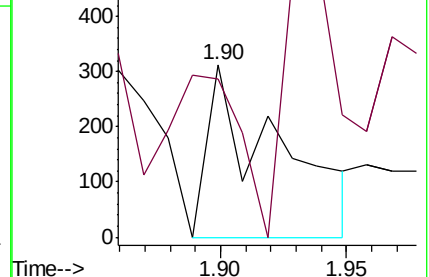
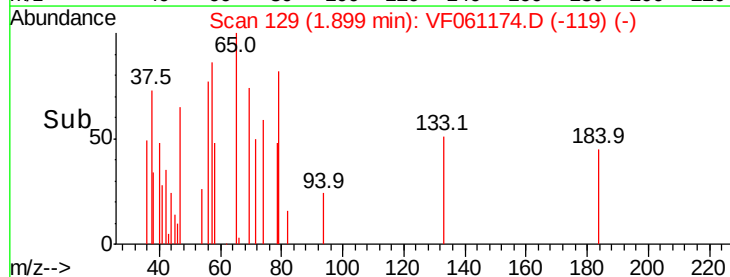


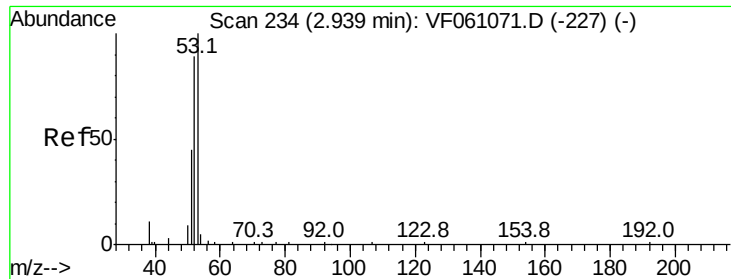
Abundance Ion 56.00 (55.70 to 56.70): VF061174.D (-119) (-)

Ion 55.00 (54.70 to 55.70): VF061174.D (-119) (-)

1.90

Time-->

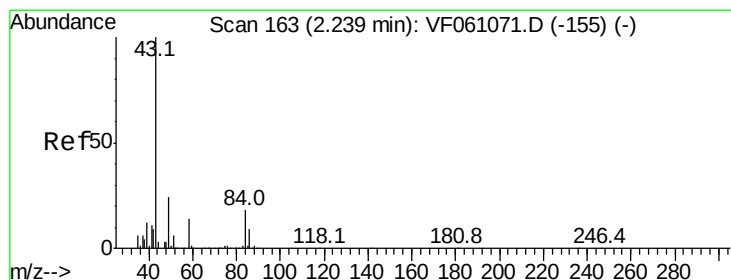
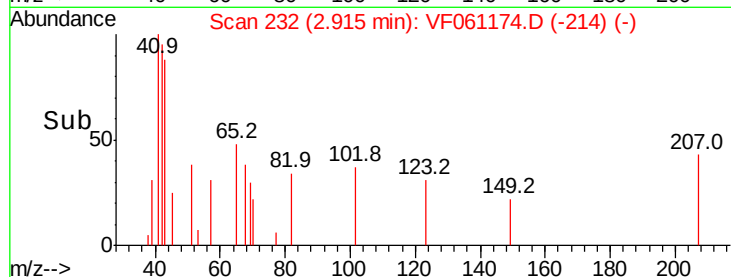
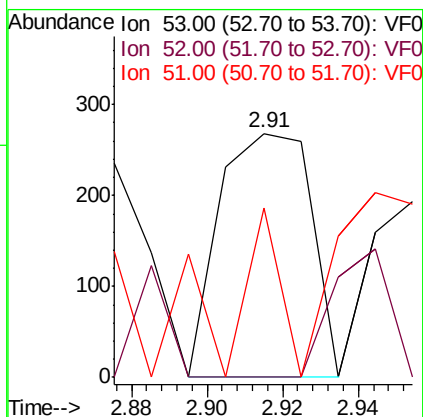
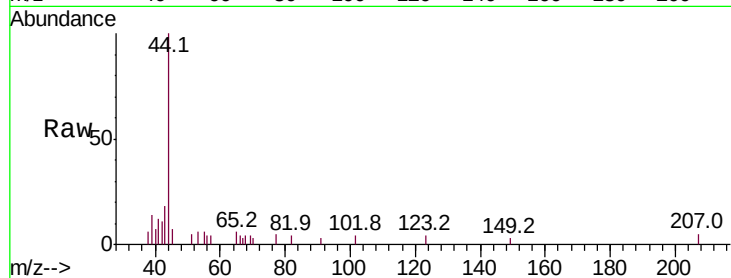




#15
 Acrylonitrile
 Concen: 2.357 ug/l
 RT: 2.91 min Scan# 232
 Delta R.T. -0.02 min
 Lab File: VF061174.D
 Acq: 24 Dec 2018 19:31

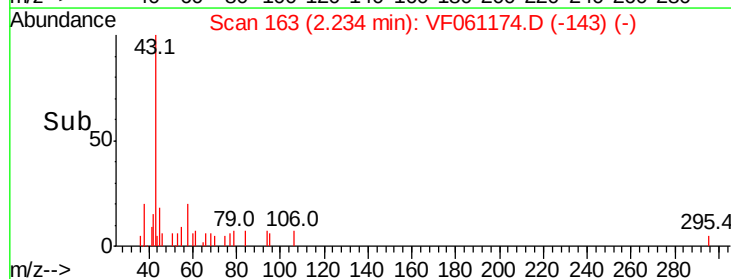
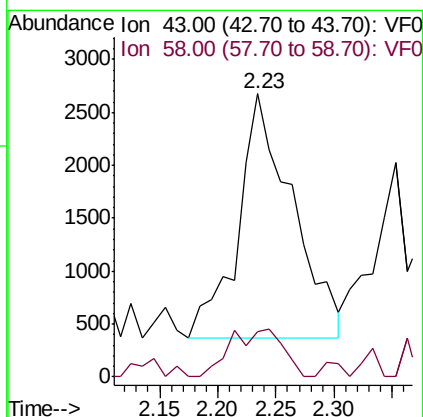
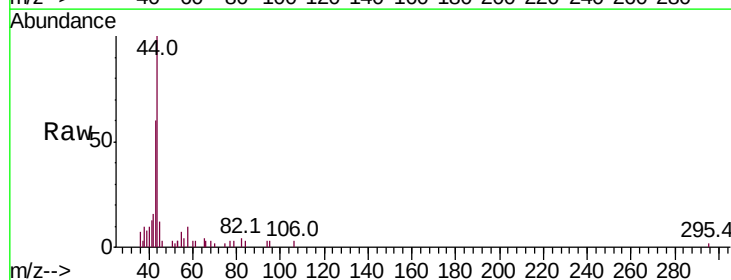
Instrument :
 MSVOA_F
 ClientSampleID :

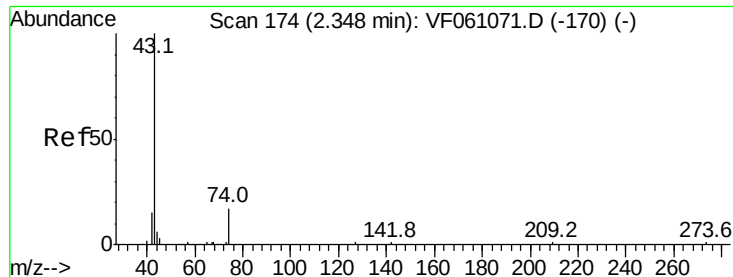
Tot Ion: 53 Resp: 449
 Ion Ratio Lower Upper
 53 100
 52 0.0 71.3 106.9#
 51 69.8 36.8 55.2#



#16
 Acetone
 Concen: 18.397 ug/l
 RT: 2.23 min Scan# 163
 Delta R.T. -0.00 min
 Lab File: VF061174.D
 Acq: 24 Dec 2018 19:31

Tgt Ion: 43 Resp: 7507
 Ion Ratio Lower Upper
 43 100
 58 16.0 11.1 16.7

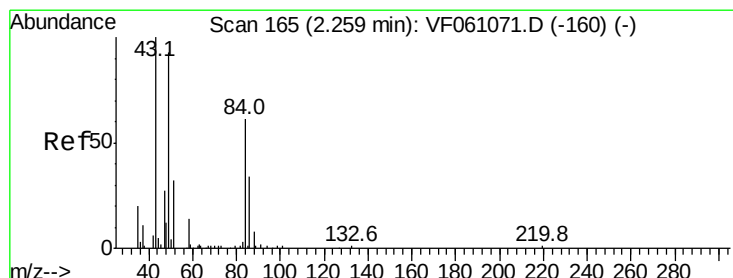
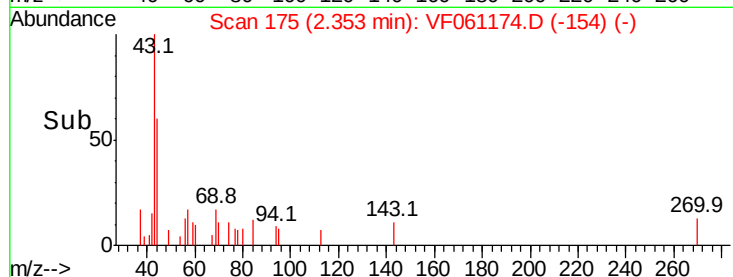
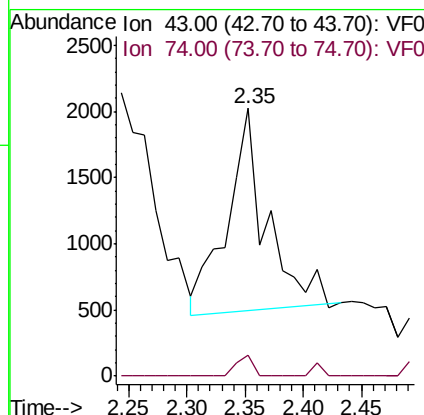
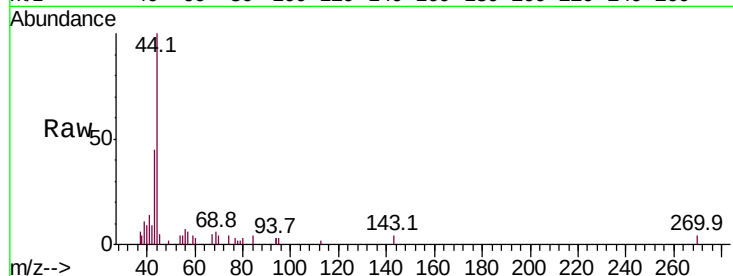




#18
Methyl Acetate
Concen: 4.223 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF061174.D
Acq: 24 Dec 2018 19:31

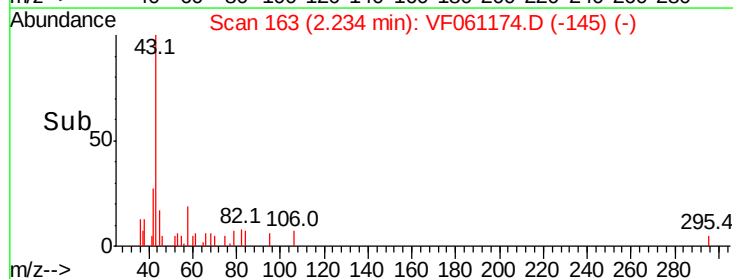
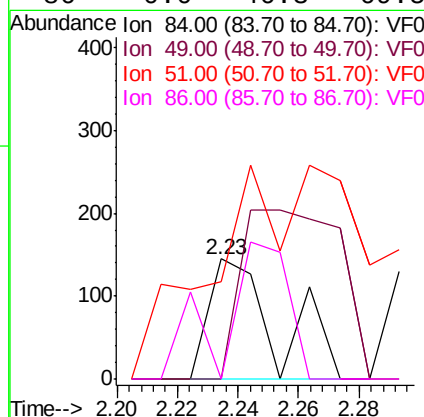
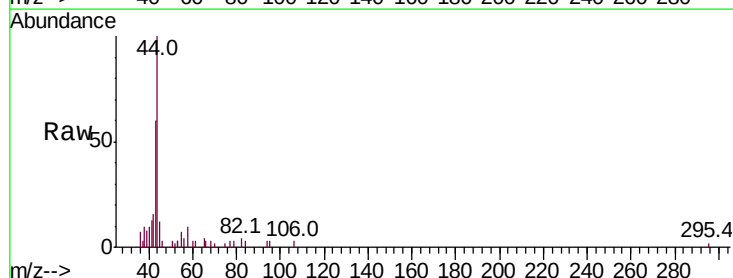
Instrument :
MSVOA_F
ClientSampled :

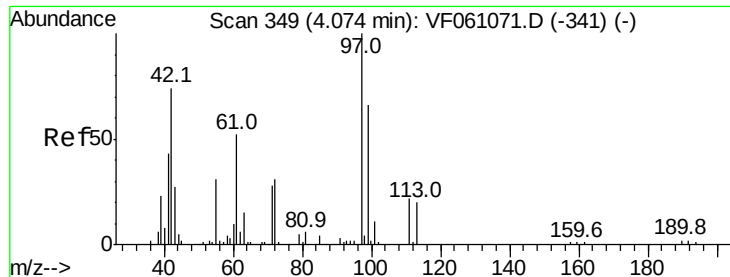
Tot Ion: 43 Resp: 3565
Ion Ratio Lower Upper
43 100
74 7.8 11.0 16.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.23 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061174.D
Acq: 24 Dec 2018 19:31

Tgt Ion: 84 Resp: 227
Ion Ratio Lower Upper
84 100
49 0.0 129.4 194.2#
51 80.7 44.0 66.0#
86 0.0 46.3 69.5#





#29

Tetrahydrofuran

Concen: 1.893 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061174.D

Acq: 24 Dec 2018 19:31

Instrument :

MSVOA_F

ClientSampleId :

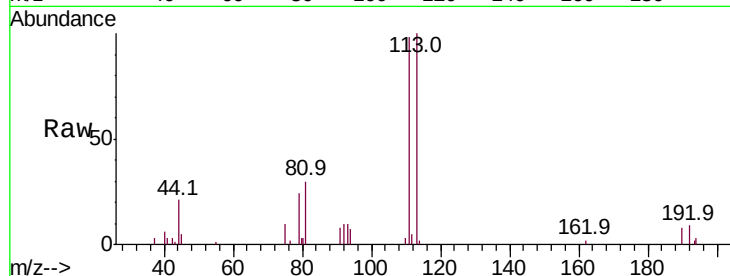
Tot Ion: 42 Resp: 510

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

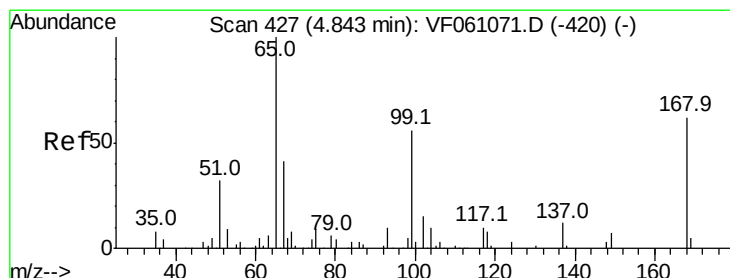
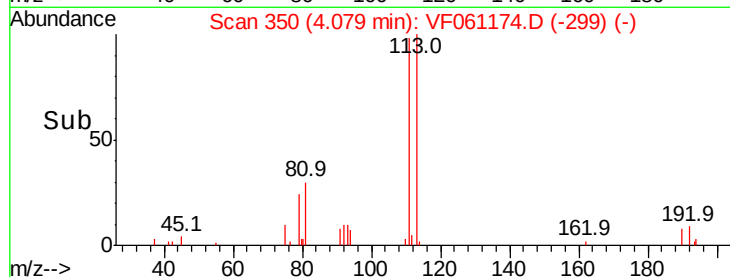
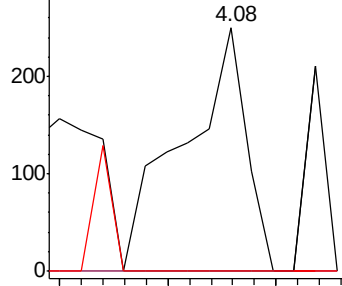
71 0.0 29.7 44.5#



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: 57.104 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061174.D

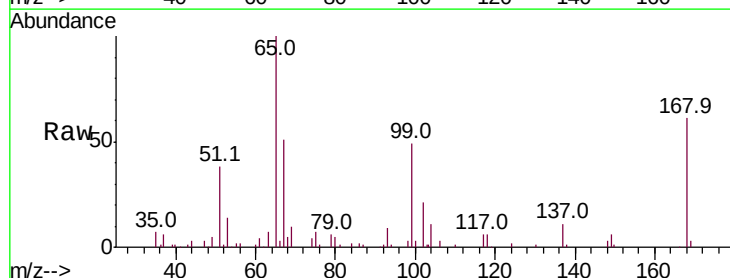
Acq: 24 Dec 2018 19:31

Tgt Ion: 65 Resp: 116560

Ion Ratio Lower Upper

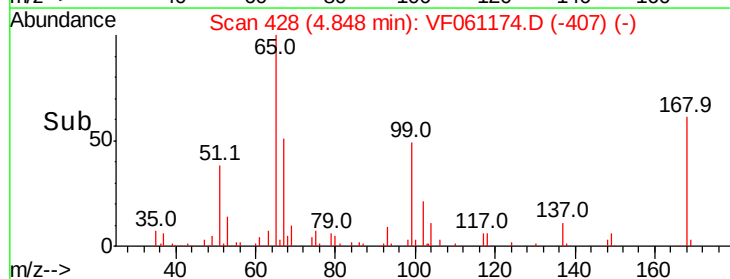
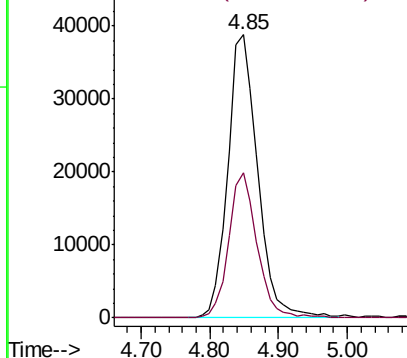
65 100

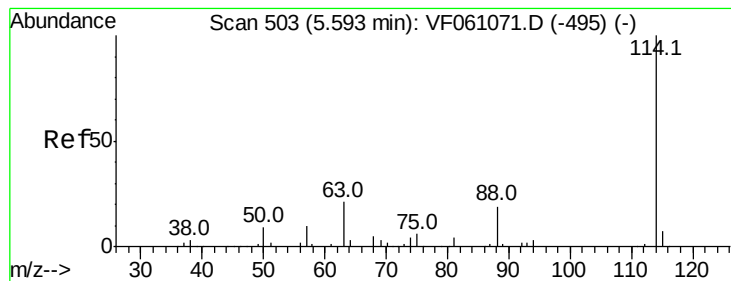
67 51.2 0.0 94.6



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: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061174.D

Acq: 24 Dec 2018 19:31

Instrument :

MSVOA_F

ClientSampleId :

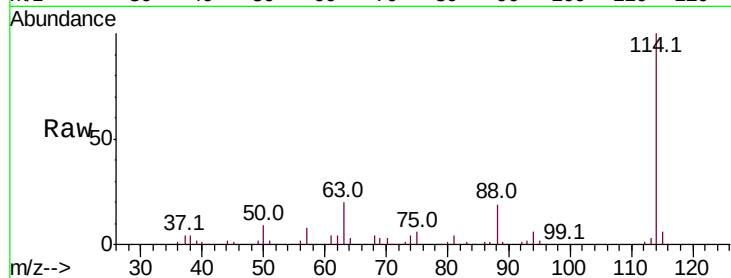
Tot Ion:114 Resp: 277501

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

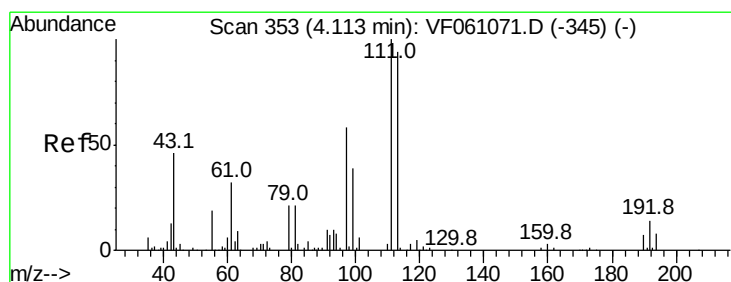
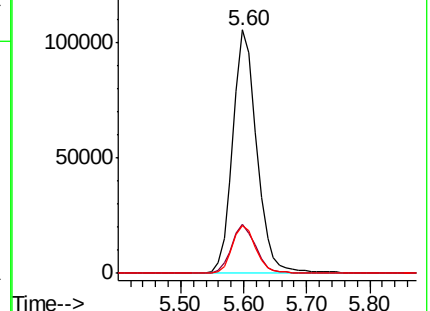
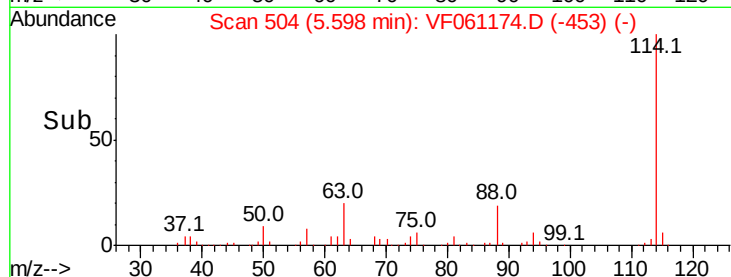
88 19.4 0.0 38.0



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: 52.502 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061174.D

Acq: 24 Dec 2018 19:31

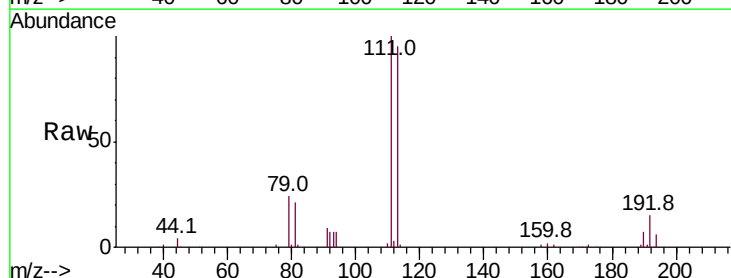
Tgt Ion:113 Resp: 116710

Ion Ratio Lower Upper

113 100

111 105.5 85.2 127.8

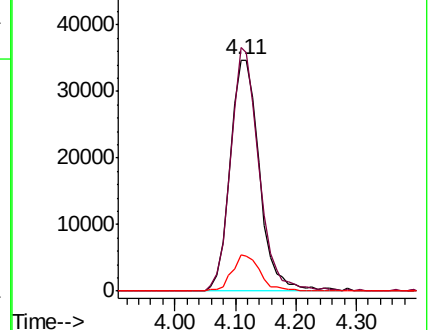
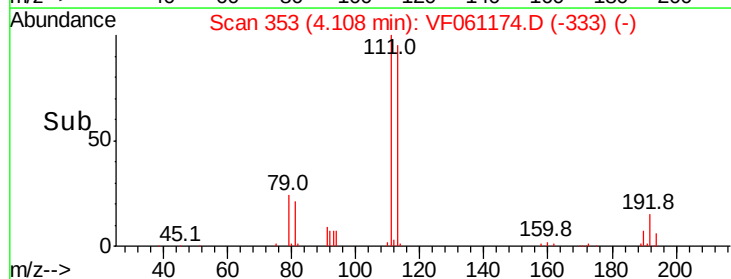
192 15.8 12.8 19.2

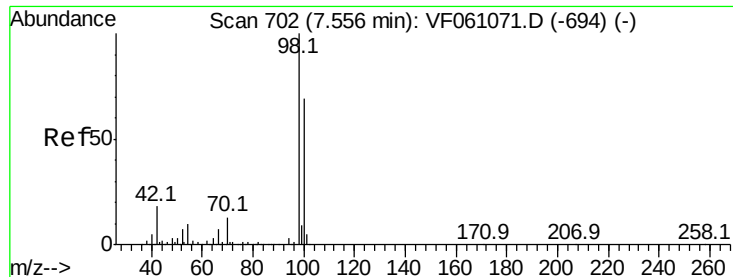


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 37.496 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF061174.D

Acq: 24 Dec 2018 19:31

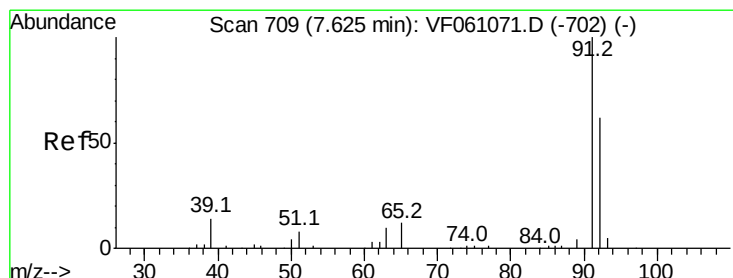
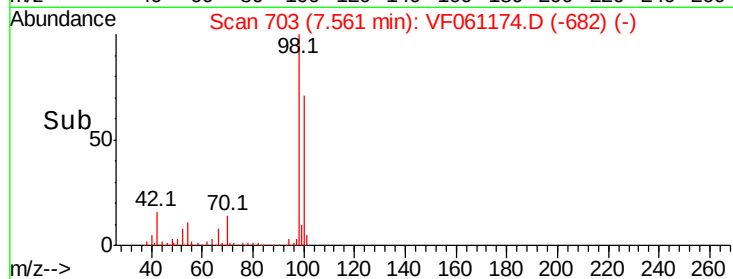
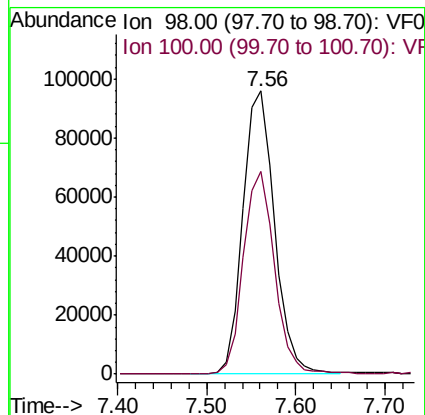
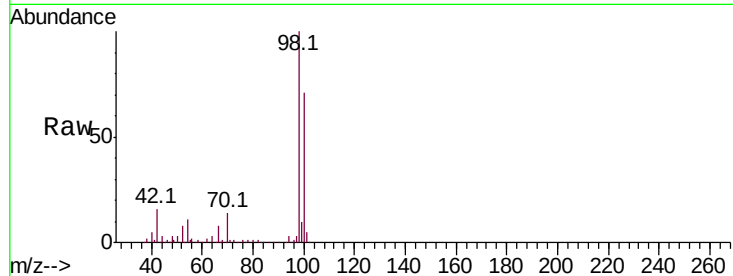
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 236210

Ion Ratio Lower Upper

98 100

100 71.5 55.3 82.9



#52

Toluene

Concen: 2.993 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061174.D

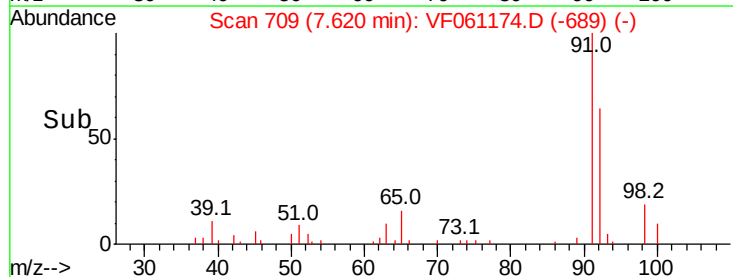
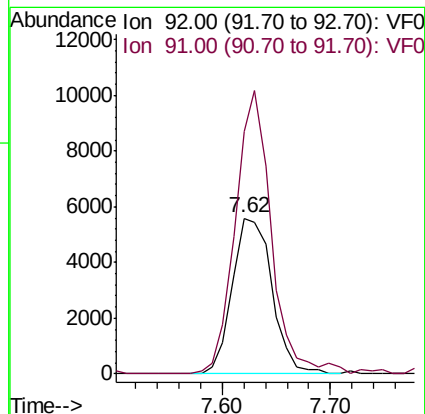
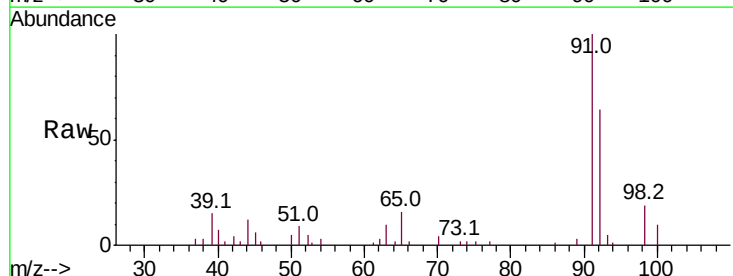
Acq: 24 Dec 2018 19:31

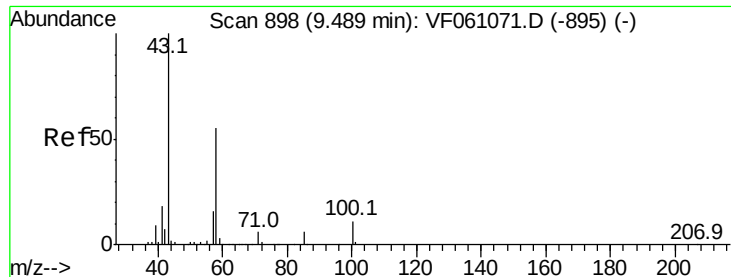
Tgt Ion: 92 Resp: 14271

Ion Ratio Lower Upper

92 100

91 156.0 128.8 193.2

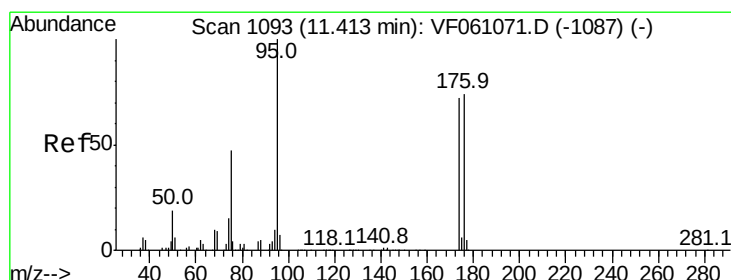
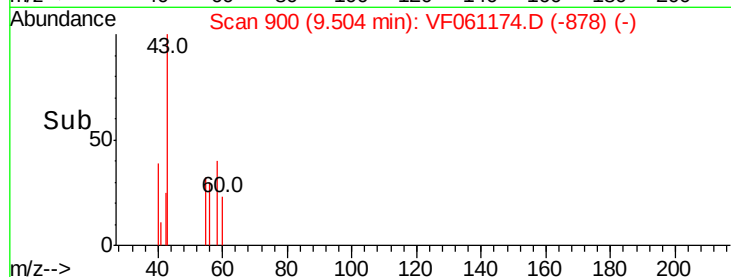
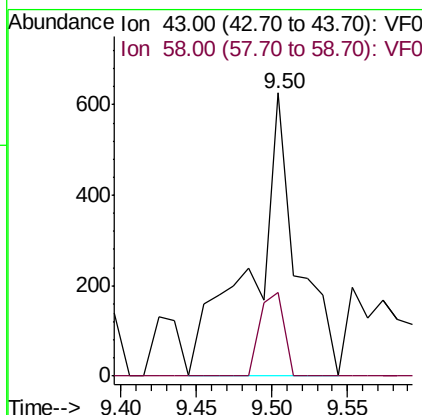
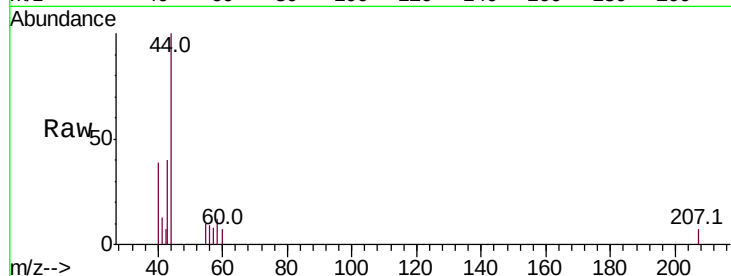




#59
2-Hexanone
Concen: 1.612 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061174.D
Acq: 24 Dec 2018 19:31

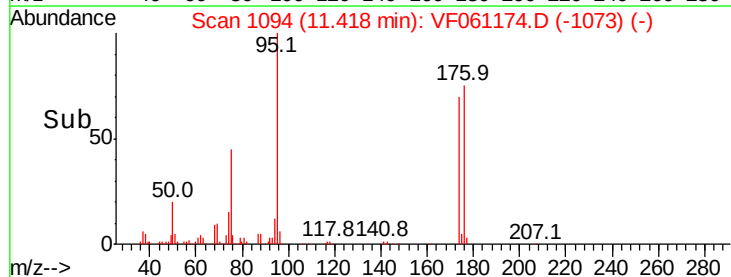
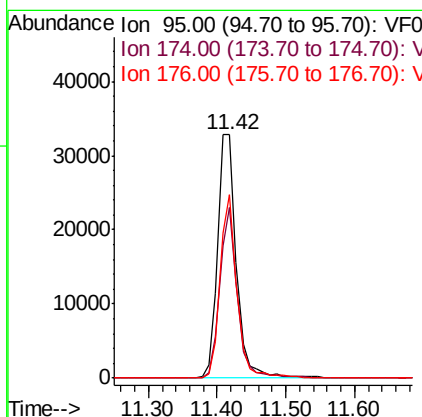
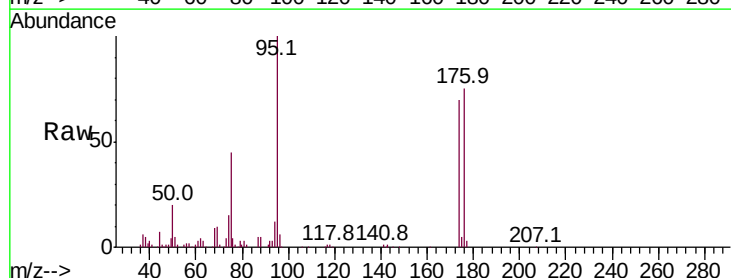
Instrument :
MSVOA_F
ClientSampleId :

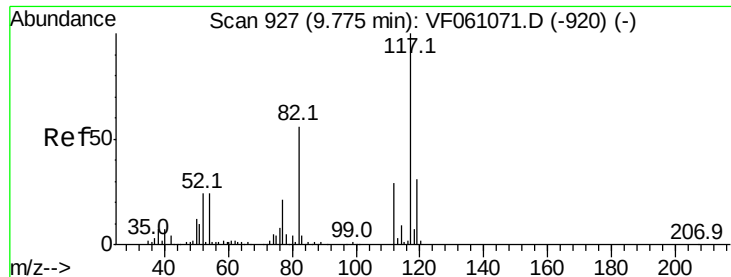
Tot Ion: 43 Resp: 1293
Ion Ratio Lower Upper
43 100
58 29.6 25.1 75.2



#62
4-Bromofluorobenzene
Concen: 21.496 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061174.D
Acq: 24 Dec 2018 19:31

Tgt Ion: 95 Resp: 62429
Ion Ratio Lower Upper
95 100
174 69.8 0.0 143.8
176 75.3 0.0 147.6

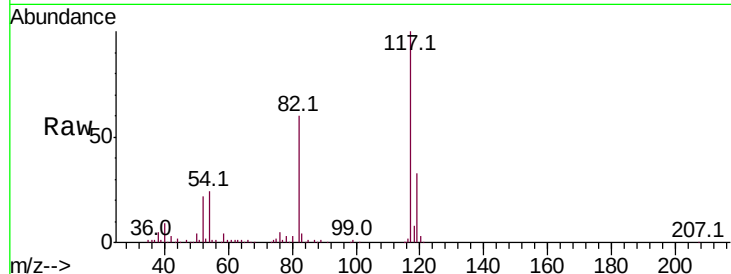




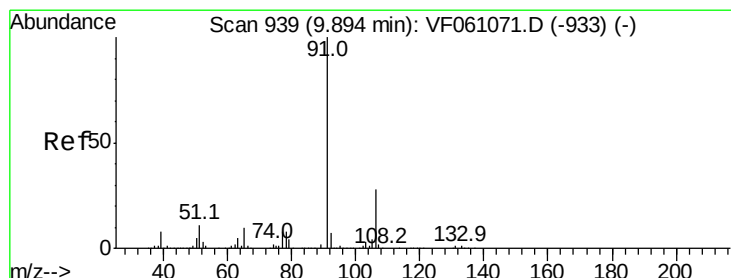
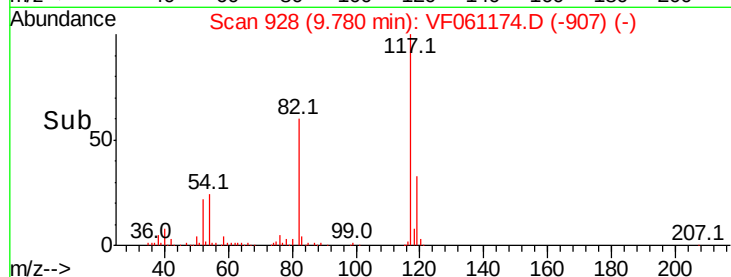
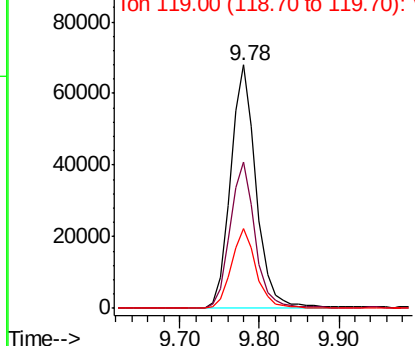
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061174.D
Acq: 24 Dec 2018 19:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 152910
Ion Ratio Lower Upper
117 100
82 60.2 45.0 67.4
119 32.8 24.8 37.2

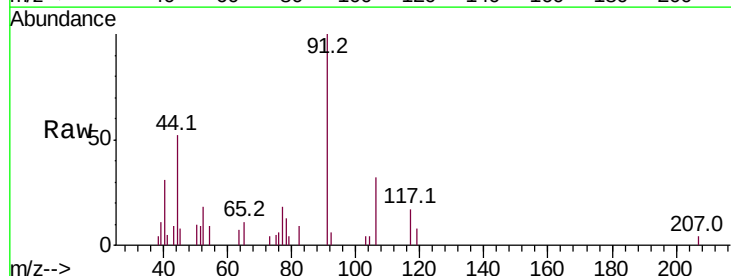


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

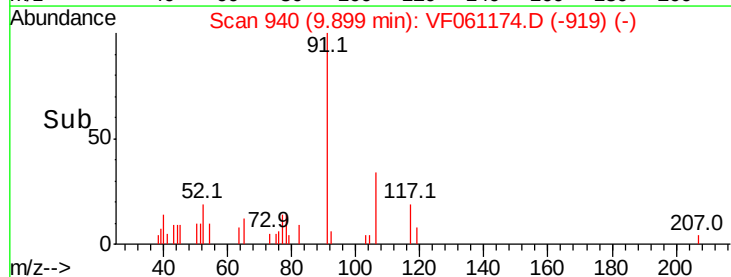
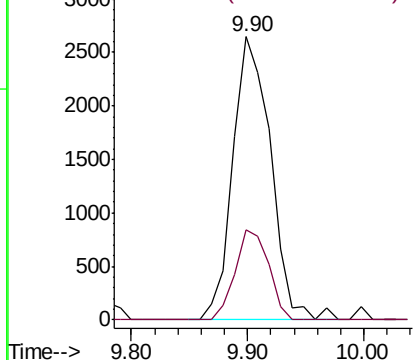


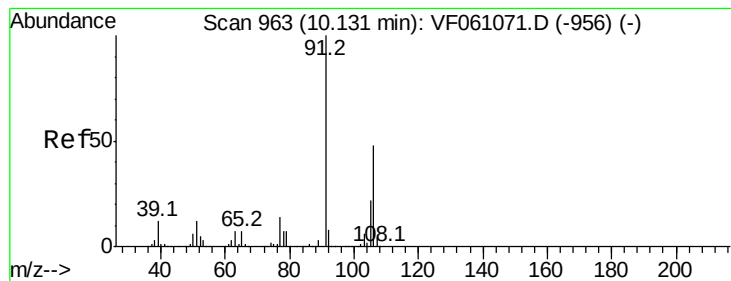
#67
Ethyl Benzene
Concen: 1.036 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF061174.D
Acq: 24 Dec 2018 19:31

Tgt Ion: 91 Resp: 5963
Ion Ratio Lower Upper
91 100
106 31.9 22.5 33.7



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





#68

m/p-Xylenes

Concen: 9.132 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF061174.D

Acq: 24 Dec 2018 19:31

Instrument :

MSVOA_F

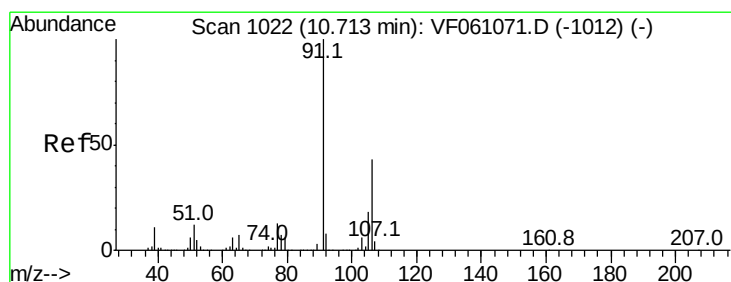
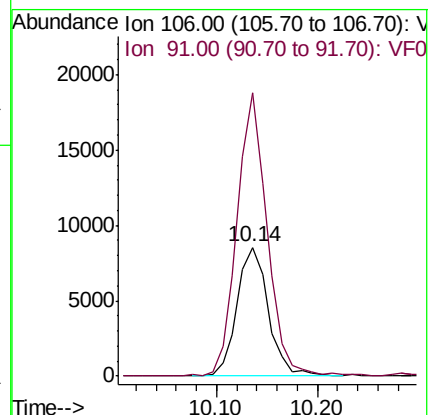
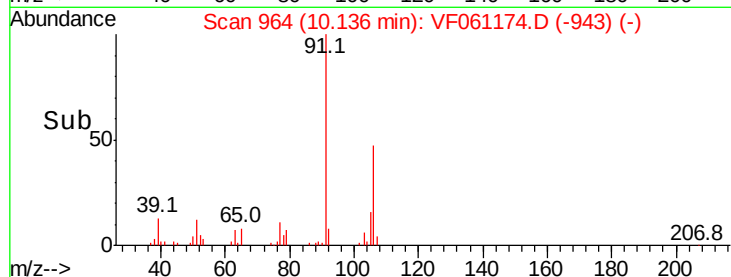
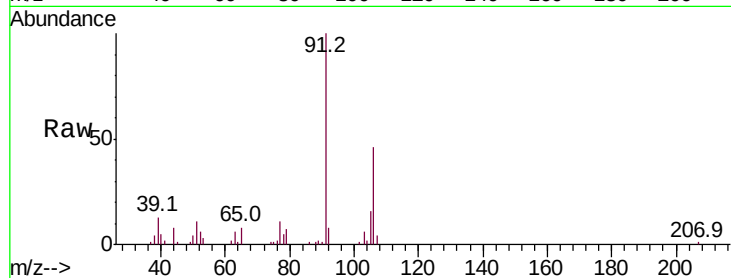
ClientSampleId :

Tot Ion:106 Resp: 18495

Ion Ratio Lower Upper

106 100

91 219.3 168.2 252.2



#69

o-Xylene

Concen: 2.432 ug/l

RT: 10.72 min Scan# 1023

Delta R.T. 0.01 min

Lab File: VF061174.D

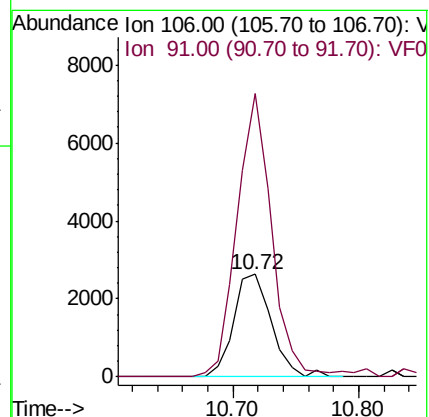
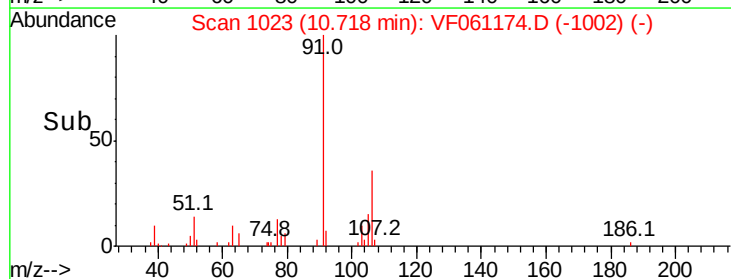
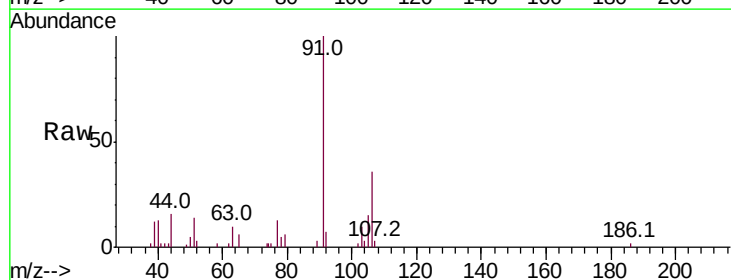
Acq: 24 Dec 2018 19:31

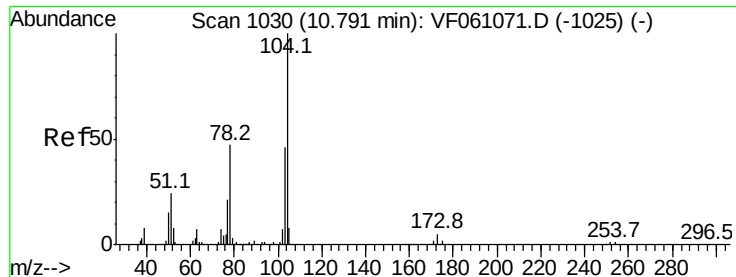
Tgt Ion:106 Resp: 5463

Ion Ratio Lower Upper

106 100

91 276.7 115.9 347.7





#70

Stvrene

Concen: Below Cal

RT: 10.79 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF061174.D

Acq: 24 Dec 2018 19:31

Instrument :

MSVOA_F

ClientSampled :

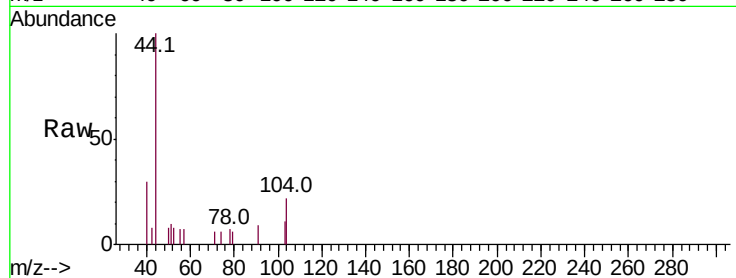
Tot Ion:104 Resp: 745

Ion Ratio Lower Upper

104 100

78 32.4 38.4 57.6#

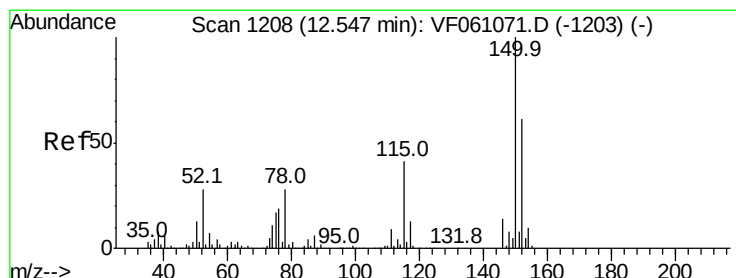
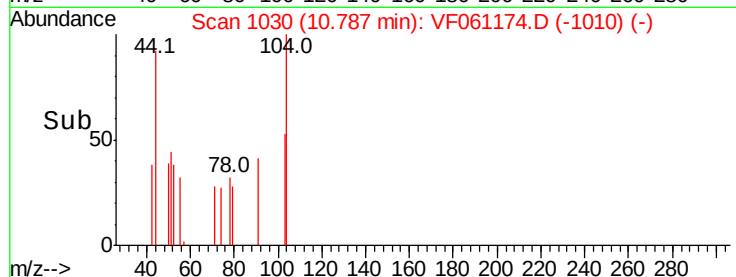
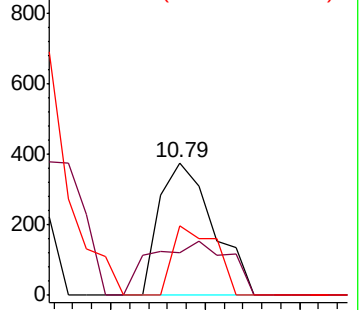
103 52.8 37.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061174.D

Acq: 24 Dec 2018 19:31

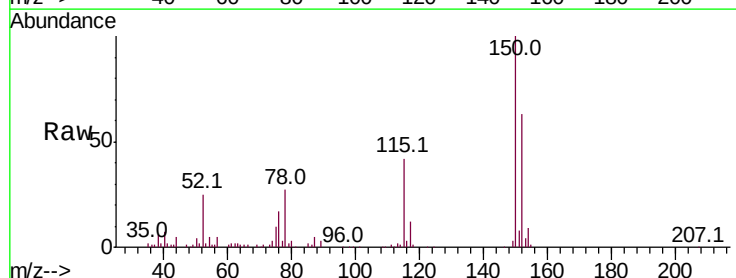
Tgt Ion:152 Resp: 38051

Ion Ratio Lower Upper

152 100

115 66.5 33.3 99.9

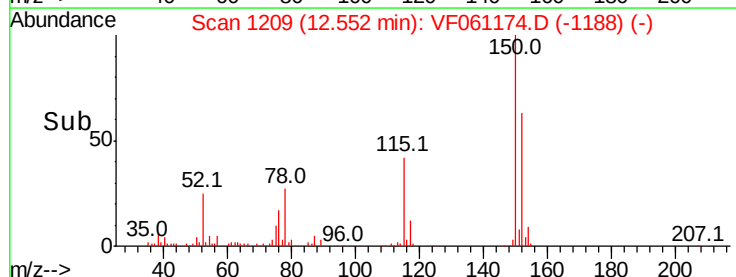
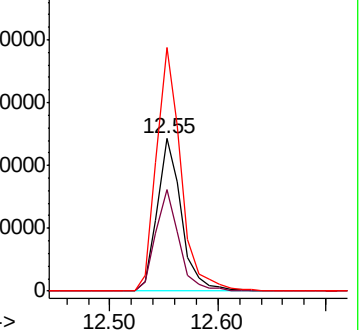
150 159.6 0.0 328.2

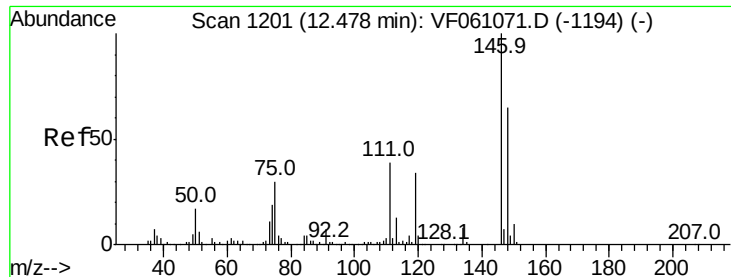


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.46 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF061174.D

Acq: 24 Dec 2018 19:31

Instrument :

MSVOA_F

ClientSampleId :

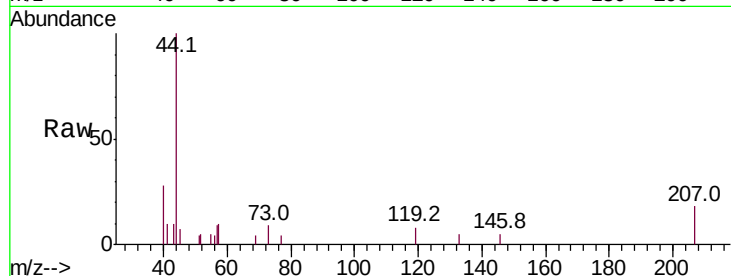
Tot Ion:146 Resp: 73

Ion Ratio Lower Upper

146 100

111 0.0 19.3 57.9#

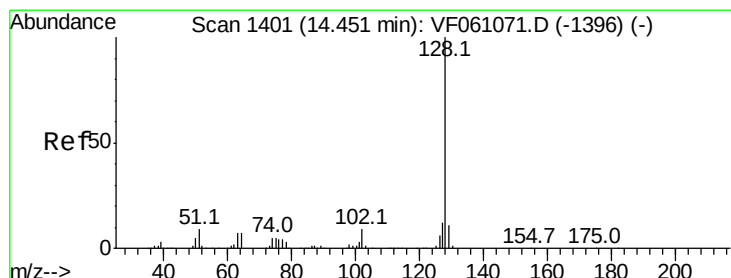
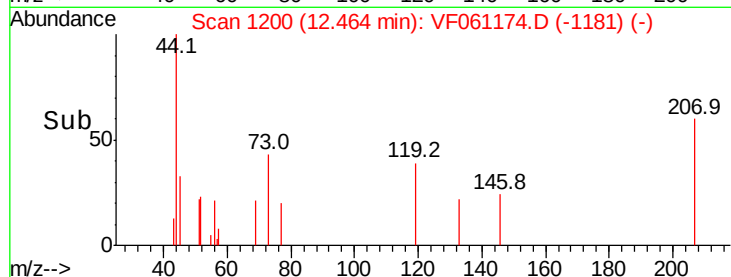
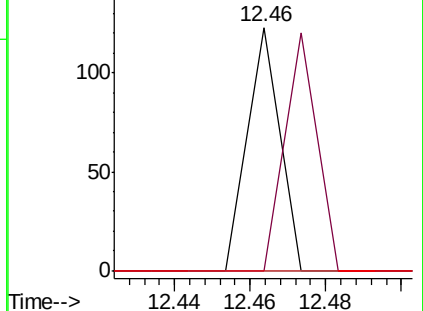
148 0.0 32.4 97.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#95

Naphthalene

Concen: 1.016 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061174.D

Acq: 24 Dec 2018 19:31

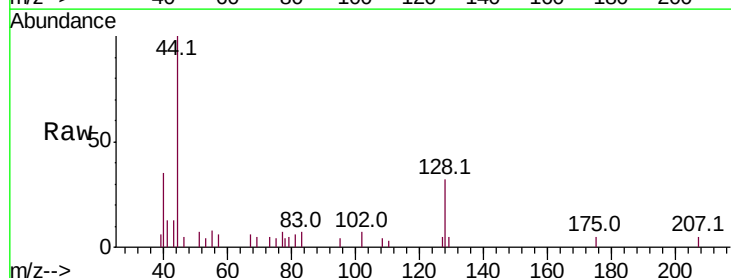
Tgt Ion:128 Resp: 1661

Ion Ratio Lower Upper

128 100

127 16.6 9.4 14.2#

129 14.5 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

