

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061466.D
 Acq On : 18 Jan 2019 18:26
 Operator : VA/AP
 Sample : K1013-07RE
 Misc : 6.51g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-011819-D

Quant Time: Jan 19 04:00:15 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	4.85	168	195015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	352437	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	270968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	92555	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	123682	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
35) Dibromofluoromethane	4.10	113	143240	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	7.55	98	333726	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	
62) 4-Bromofluorobenzene	11.40	95	118902	33.40	ug/l	0.00
Spiked Amount			Recovery	=	66.80%	

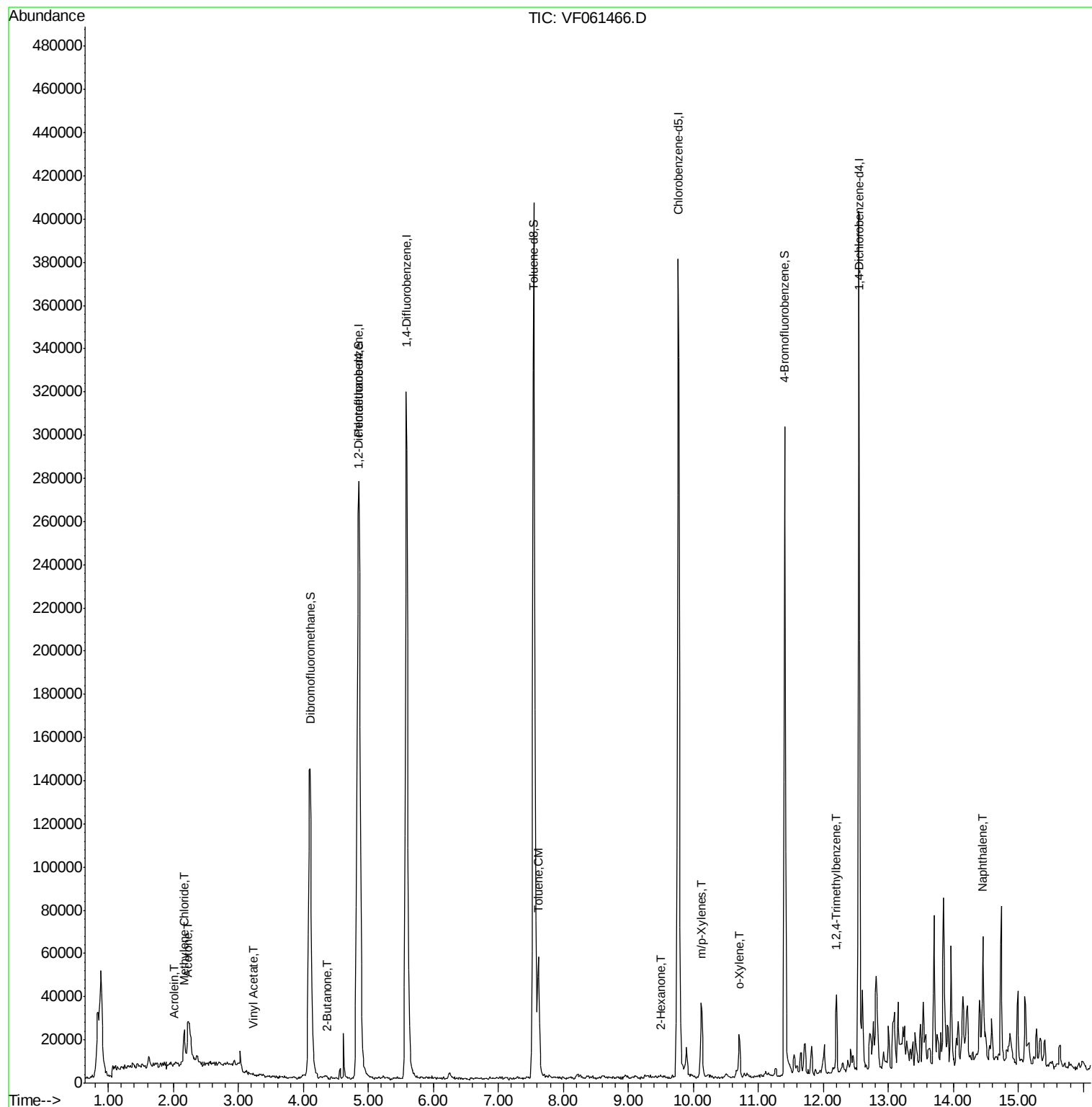
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.00	56	597	16.857	ug/l #	79
14) Allyl chloride	2.07	41	565	Below Cal	#	57
16) Acetone	2.23	43	14606	30.239	ug/l	96
20) Methylene Chloride	2.17	84	5977	1.957	ug/l	95
23) Vinyl Acetate	3.22	43	734	3.461	ug/l #	78
25) 2-Butanone	4.36	43	1572	1.957	ug/l #	57
49) 1,4-Dioxane	6.26	88	65	Below Cal	#	1
52) Toluene	7.62	92	28744	4.800	ug/l	99
59) 2-Hexanone	9.49	43	1493	1.421	ug/l	86
68) m/p-Xylenes	10.12	106	11874	3.279	ug/l	97
69) o-Xylene	10.70	106	5036	1.283	ug/l	86
84) 1,2,4-Trimethylbenzene	12.20	105	14375	2.297	ug/l	93
95) Naphthalene	14.45	128	22346	5.646	ug/l	96

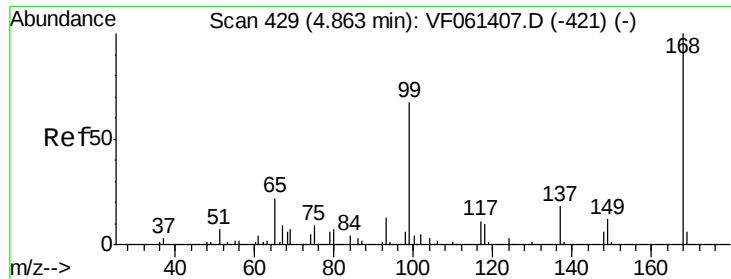
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011819\
Data File : VF061466.D
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PL-01-011819-D

Quant Time: Jan 19 04:00:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
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: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

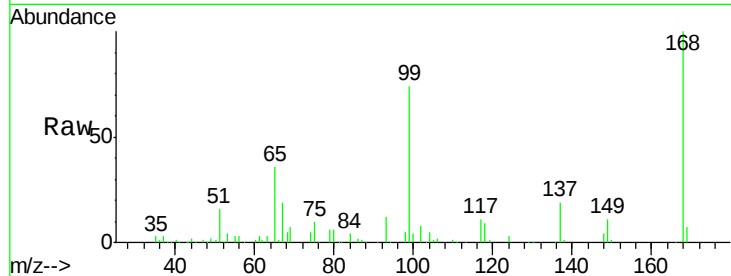
PL-01-011819-D

Tot Ion:168 Resp: 195015

Ion Ratio Lower Upper

168 100

99 73.6 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

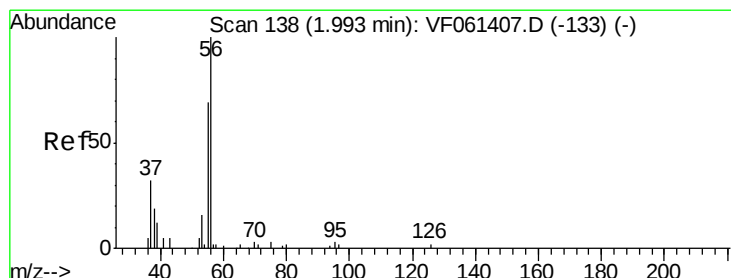
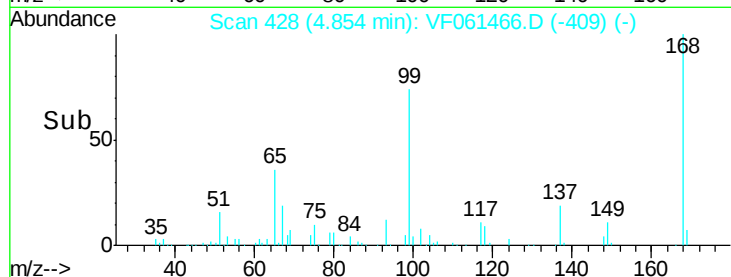
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 16.857 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061466.D

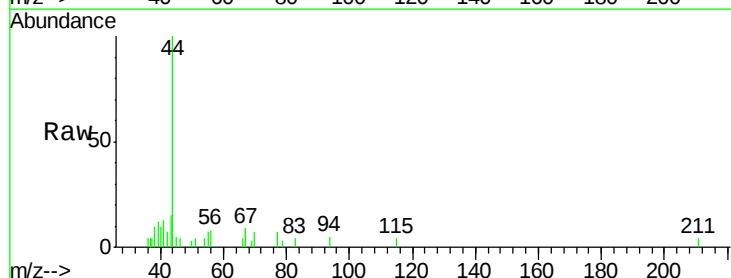
Acq: 18 Jan 2019 18:26

Tgt Ion: 56 Resp: 597

Ion Ratio Lower Upper

56 100

55 89.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

500

400

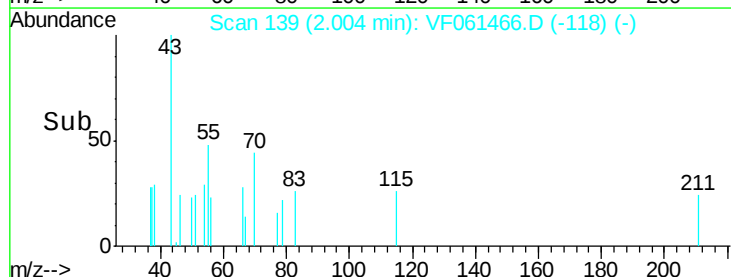
300

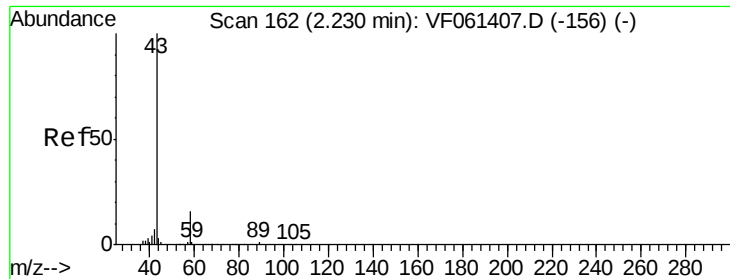
200

100

0

Time-->





#16

Acetone

Concen: 30.239 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

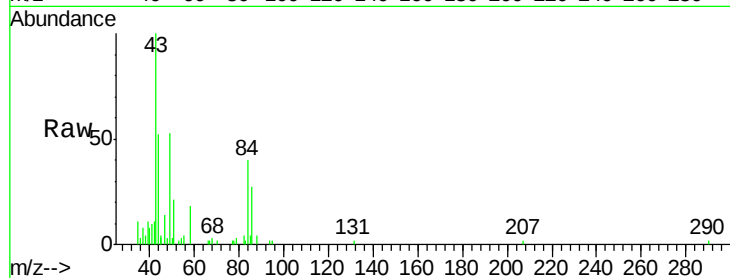
PL-01-011819-D

Tot Ion: 43 Resp: 14606

Ion Ratio Lower Upper

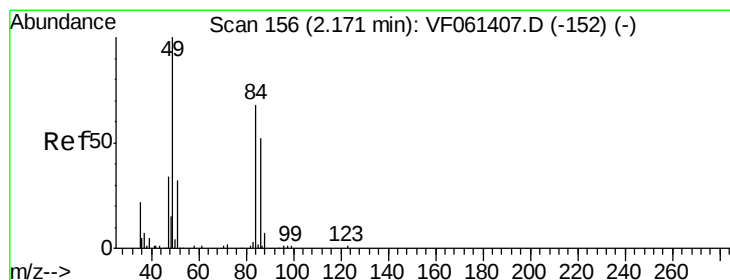
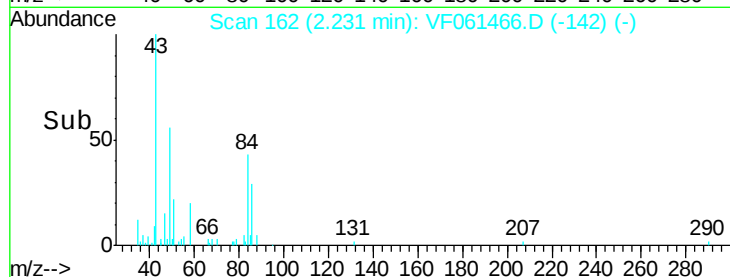
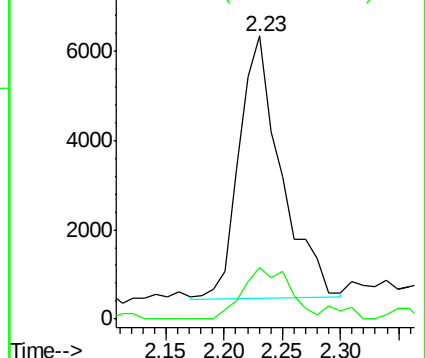
43 100

58 18.4 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#20

Methylene Chloride

Concen: 1.957 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.00 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Tgt Ion: 84 Resp: 5977

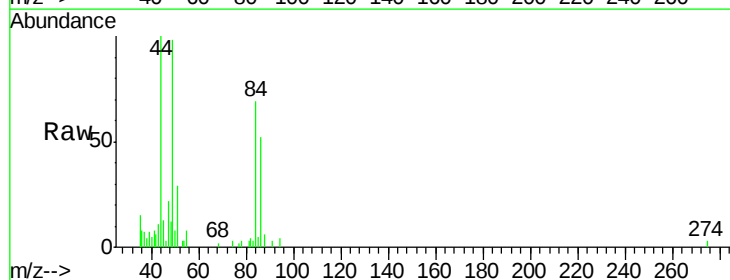
Ion Ratio Lower Upper

84 100

49 141.6 120.0 180.0

51 41.5 38.6 58.0

86 76.1 61.0 91.6

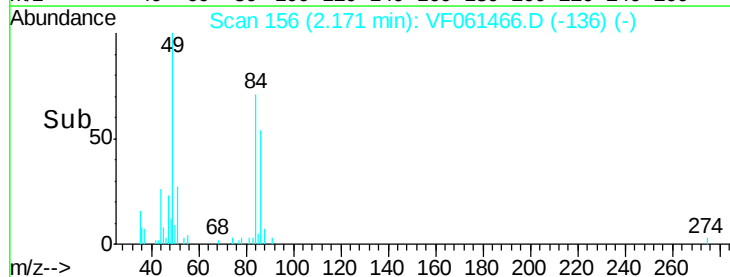
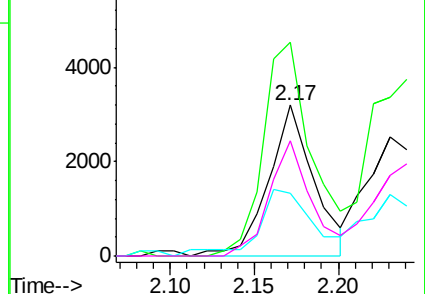


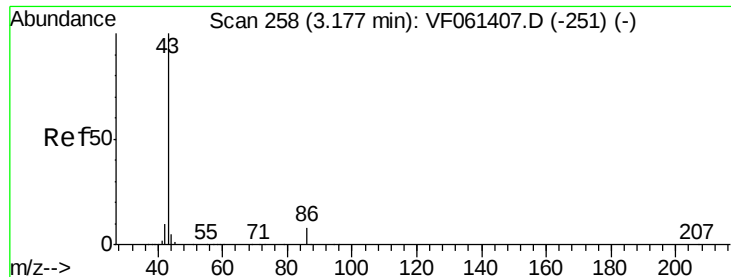
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#23

Vinyl Acetate

Concen: 3.461 ug/l

RT: 3.22 min Scan# 262

Delta R.T. 0.04 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

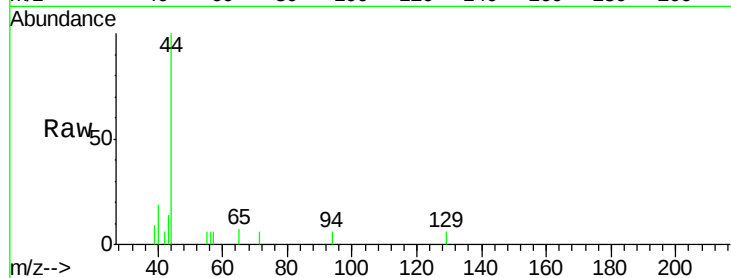
PL-01-011819-D

Tot Ion: 43 Resp: 734

Ion Ratio Lower Upper

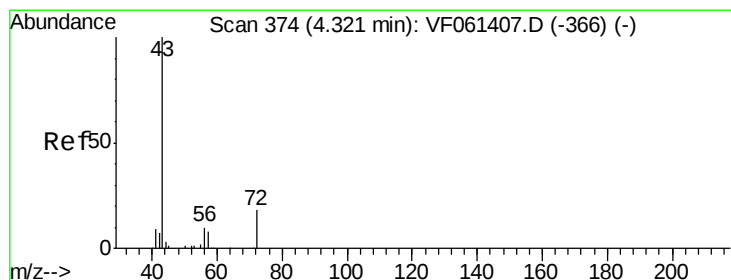
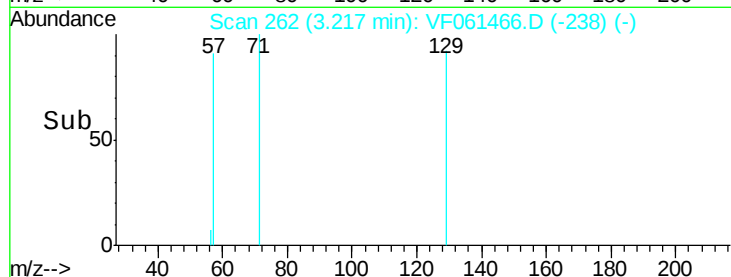
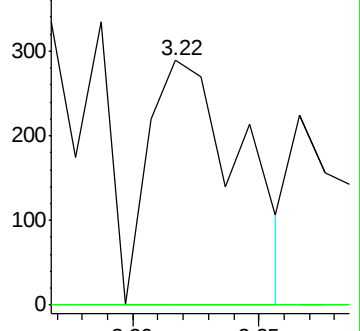
43 100

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: 1.957 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.04 min

Lab File: VF061466.D

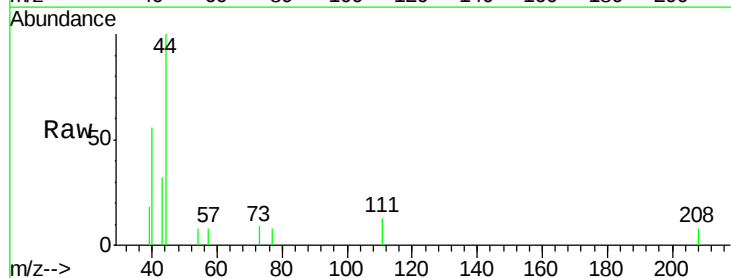
Acq: 18 Jan 2019 18:26

Tgt Ion: 43 Resp: 1572

Ion Ratio Lower Upper

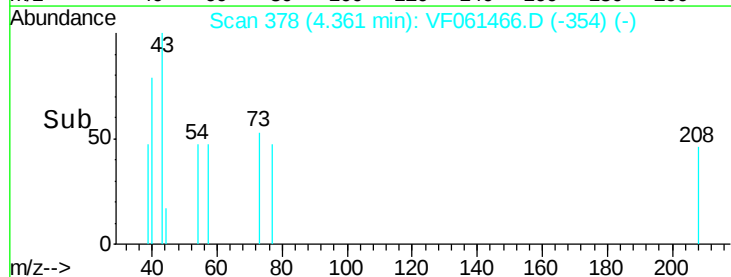
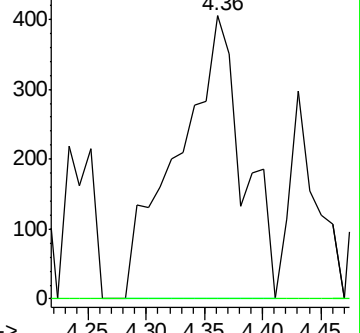
43 100

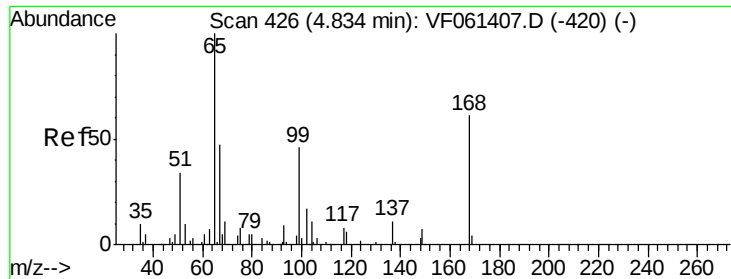
72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 51.369 ug/l

RT: 4.83 min Scan# 426

Delta R.T. 0.00 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

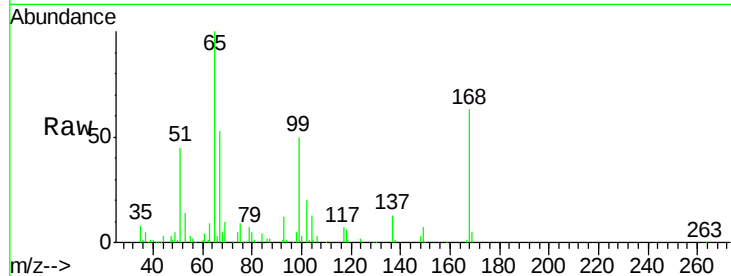
PL-01-011819-D

Tot Ion: 65 Resp: 123682

Ion Ratio Lower Upper

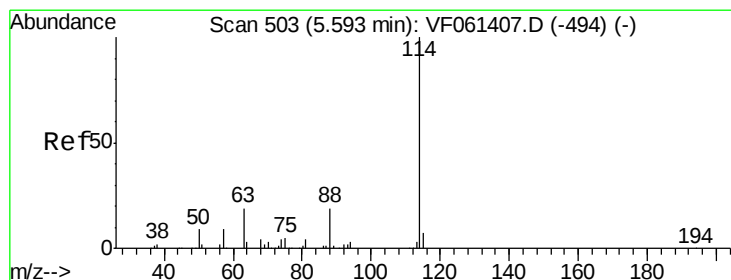
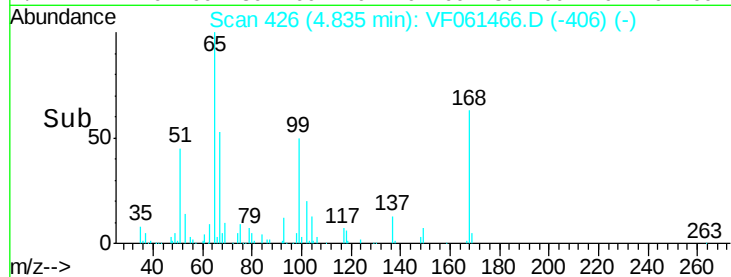
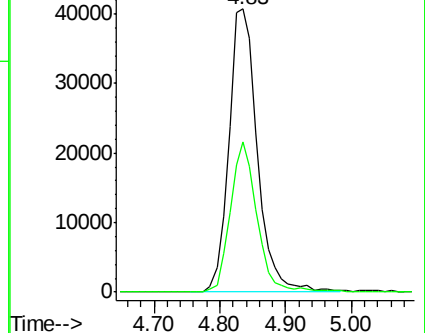
65 100

67 53.2 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: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

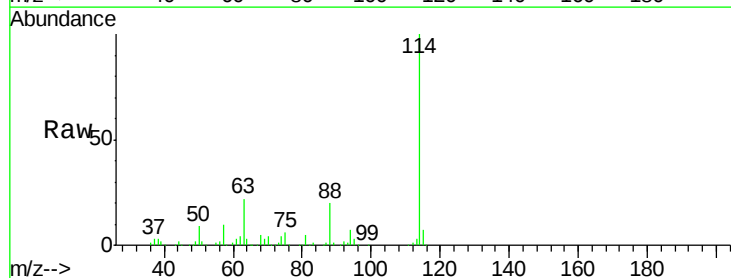
Tgt Ion: 114 Resp: 352437

Ion Ratio Lower Upper

114 100

63 22.0 0.0 39.0

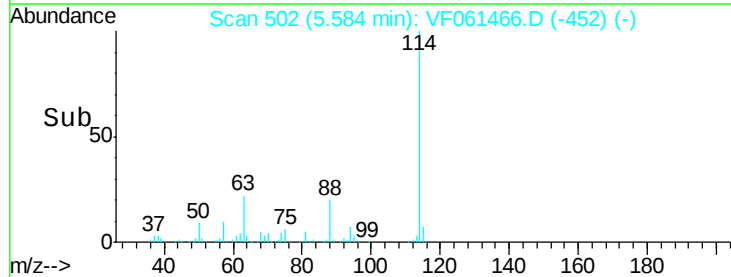
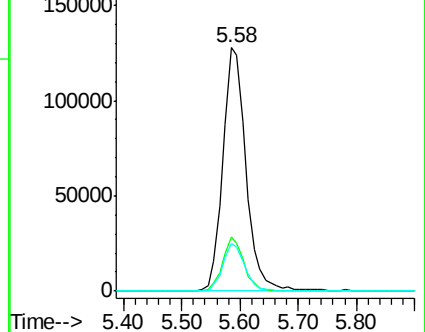
88 19.8 0.0 37.4

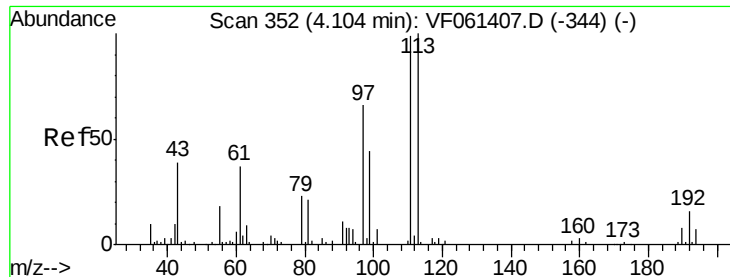


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

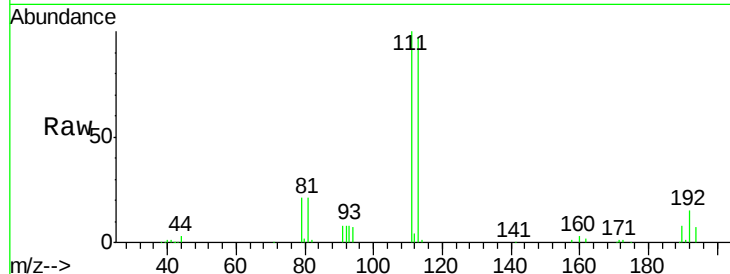




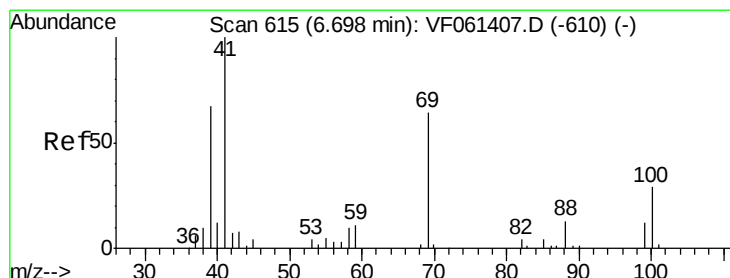
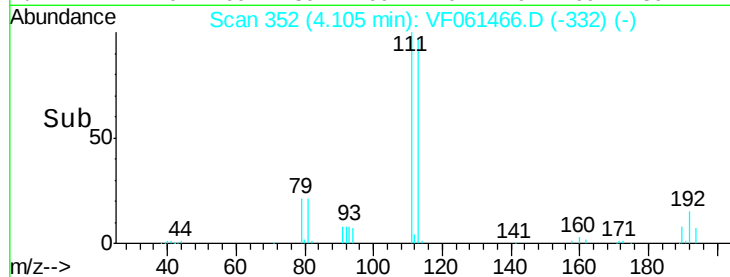
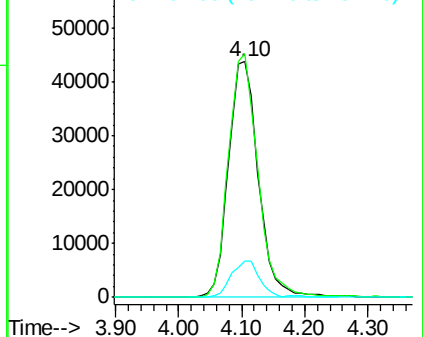
#35
 Dibromofluoromethane
 Concen: 51.506 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VF061466.D
 Acq: 18 Jan 2019 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-011819-D

Tot Ion:113 Resp: 143240
 Ion Ratio Lower Upper
 113 100
 111 103.4 79.4 119.0
 192 15.6 12.4 18.6

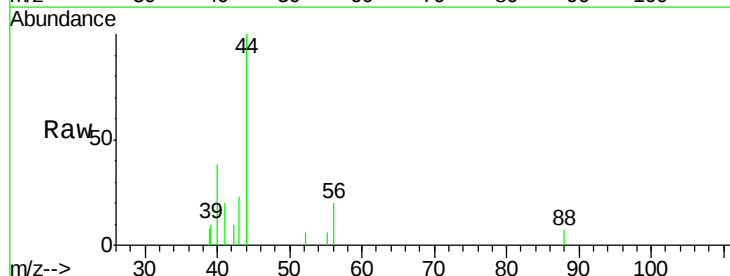


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

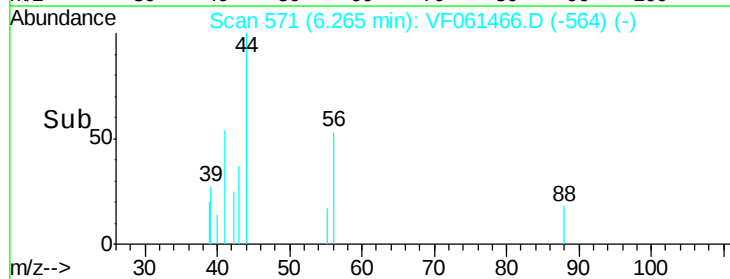
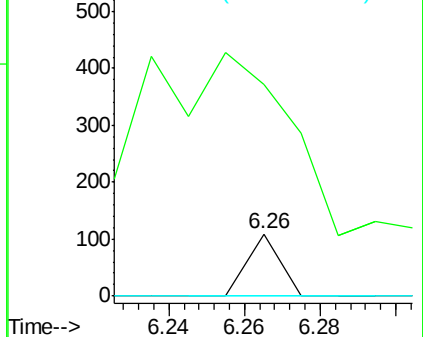


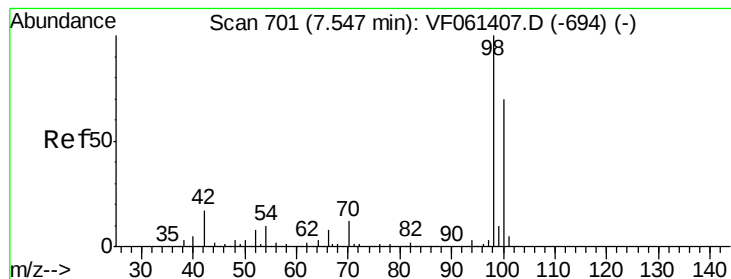
#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 6.26 min Scan# 571
 Delta R.T. -0.43 min
 Lab File: VF061466.D
 Acq: 18 Jan 2019 18:26

Tgt Ion: 88 Resp: 65
 Ion Ratio Lower Upper
 88 100
 43 340.4 55.5 83.3#
 58 0.0 59.9 89.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0
 Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 43.799 ug/l

RT: 7.55 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

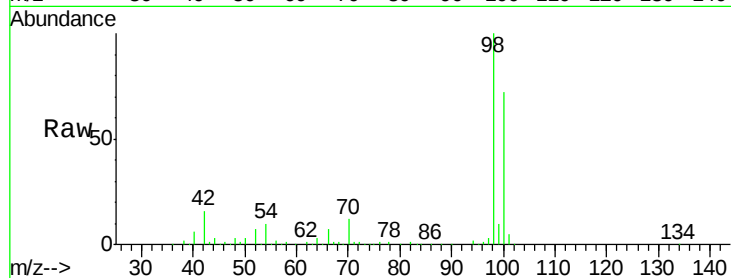
PL-01-011819-D

Tot Ion: 98 Resp: 333726

Ion Ratio Lower Upper

98 100

100 71.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

150000

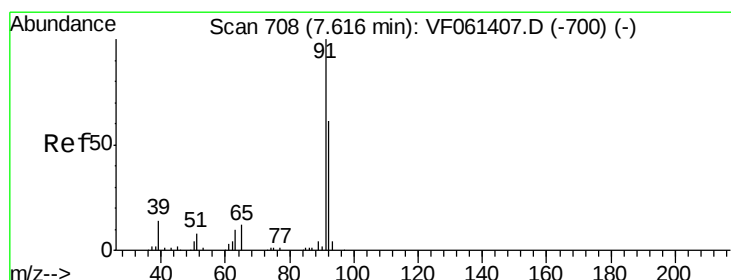
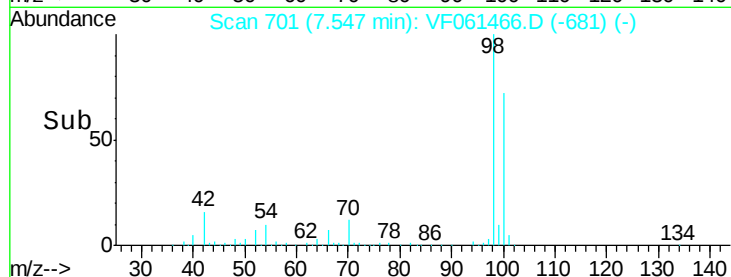
7.55

100000

50000

0

Time-->



#52

Toluene

Concen: 4.800 ug/l

RT: 7.62 min Scan# 708

Delta R.T. 0.00 min

Lab File: VF061466.D

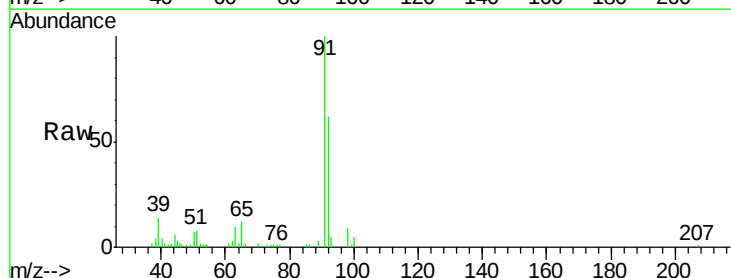
Acq: 18 Jan 2019 18:26

Tgt Ion: 92 Resp: 28744

Ion Ratio Lower Upper

92 100

91 162.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

20000

15000

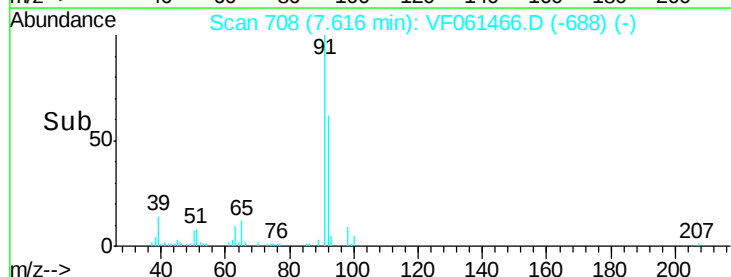
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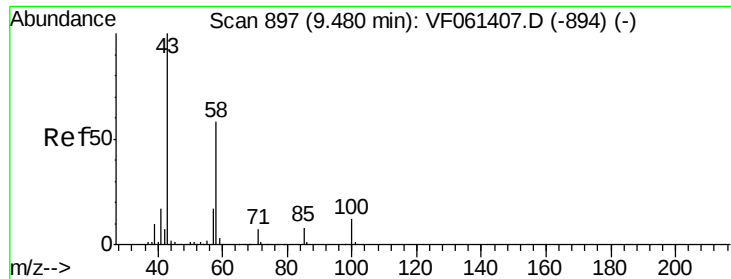
7.62

5000

0

Time-->





#59

2-Hexanone

Concen: 1.421 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

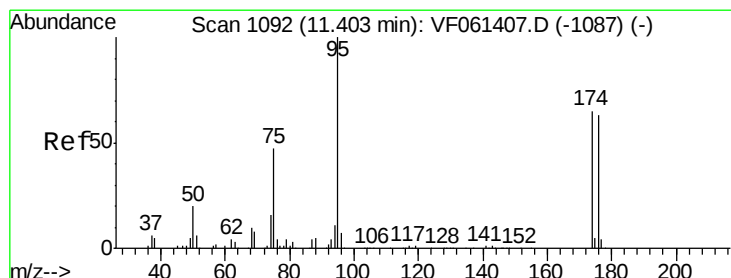
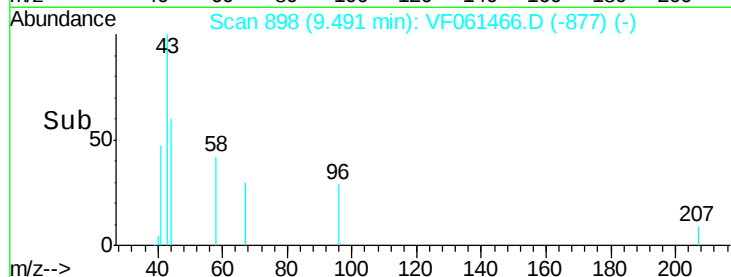
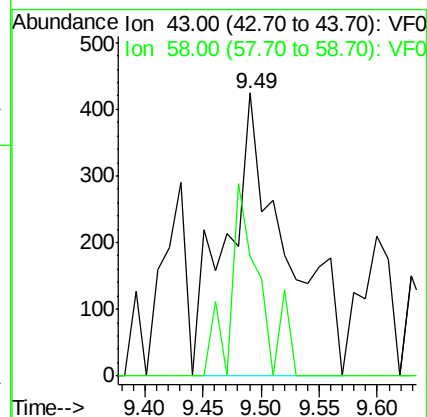
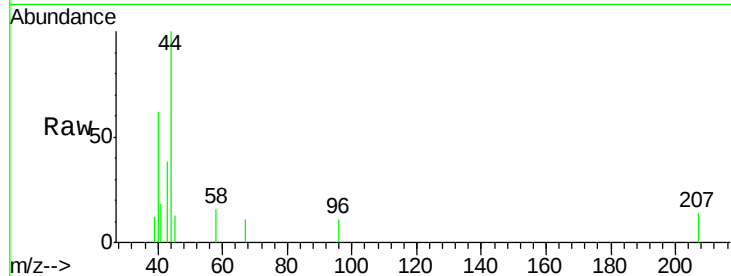
PL-01-011819-D

Tot Ion: 43 Resp: 1493

Ion Ratio Lower Upper

43 100

58 42.2 25.9 77.6



#62

4-Bromofluorobenzene

Concen: 33.399 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

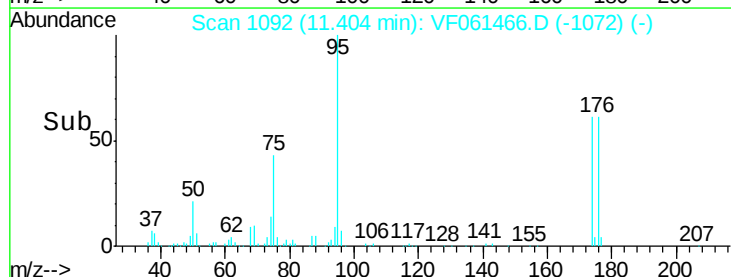
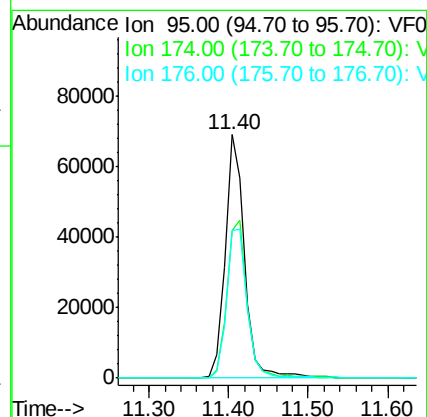
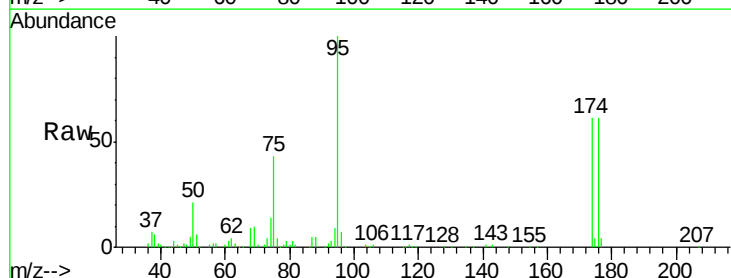
Tgt Ion: 95 Resp: 118902

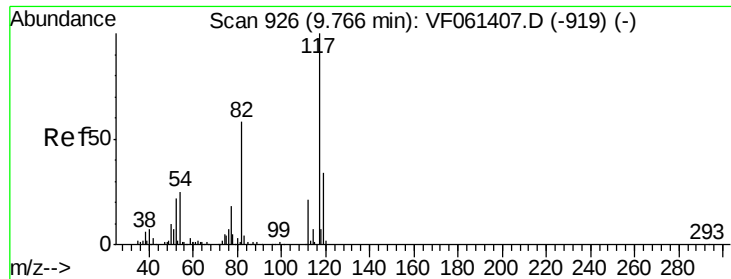
Ion Ratio Lower Upper

95 100

174 60.8 0.0 130.4

176 60.6 0.0 126.2

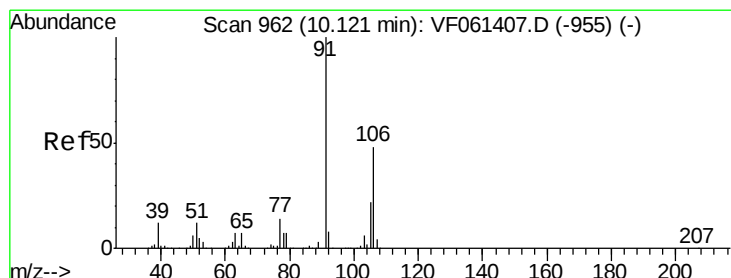
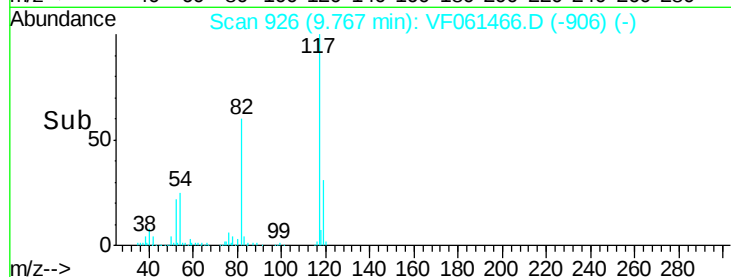
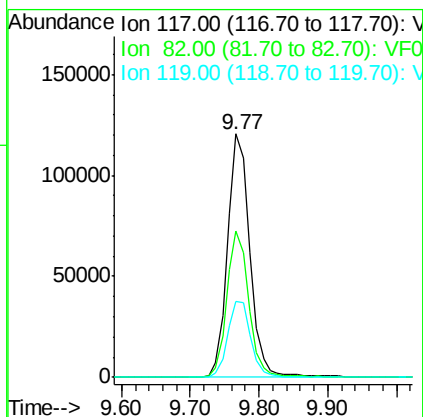
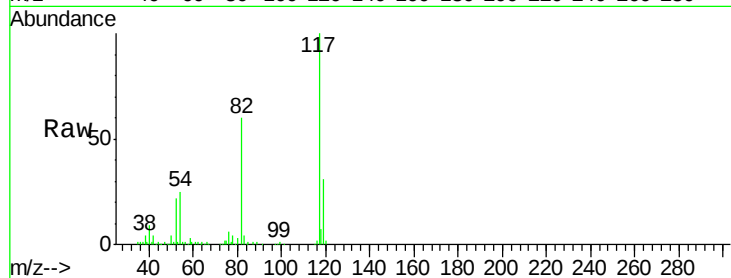




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. 0.00 min
Lab File: VF061466.D
Acq: 18 Jan 2019 18:26

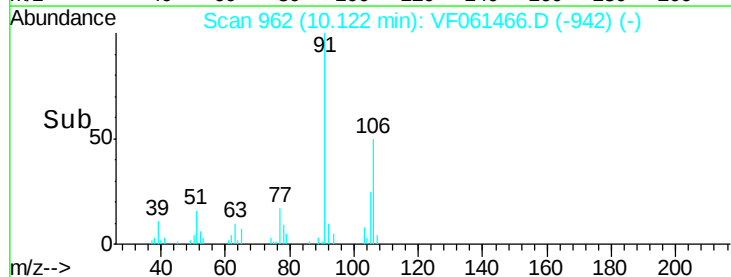
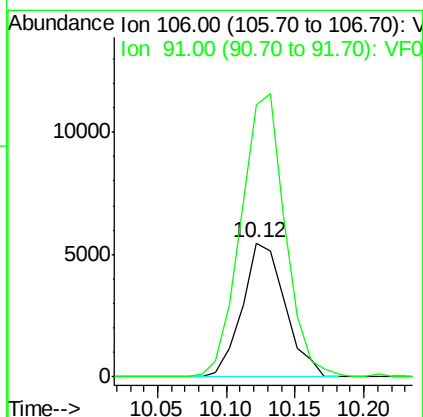
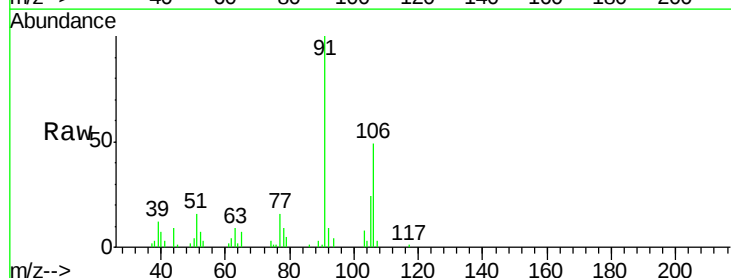
Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-D

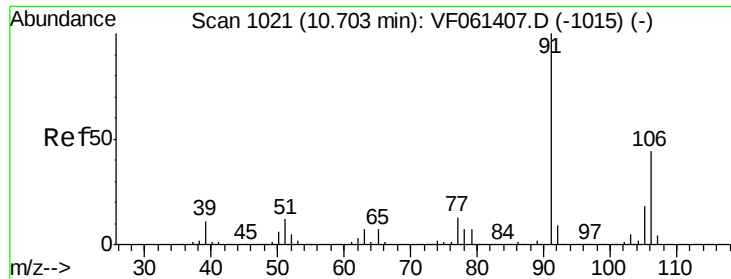
Tot Ion:117 Resp: 270968
Ion Ratio Lower Upper
117 100
82 60.4 46.4 69.6
119 31.1 27.2 40.8



#68
m/p-Xylenes
Concen: 3.279 ug/l
RT: 10.12 min Scan# 962
Delta R.T. 0.00 min
Lab File: VF061466.D
Acq: 18 Jan 2019 18:26

Tgt Ion:106 Resp: 11874
Ion Ratio Lower Upper
106 100
91 203.2 166.2 249.4

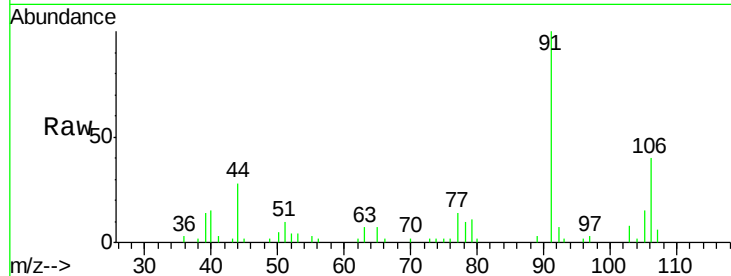




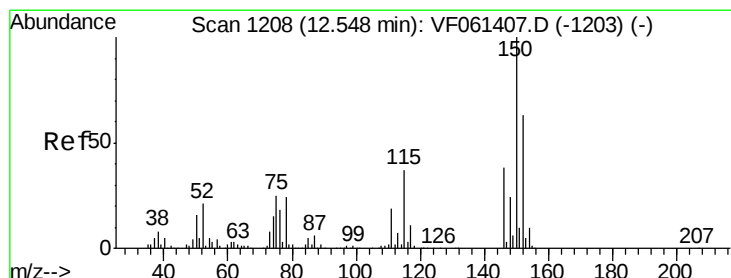
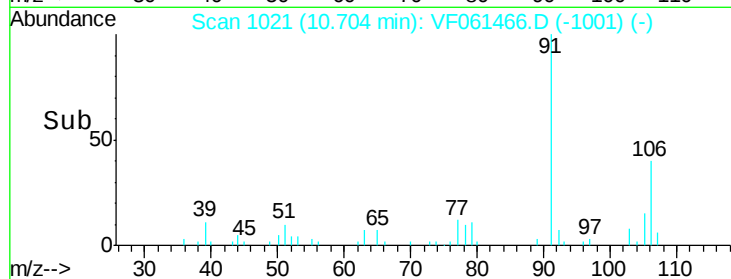
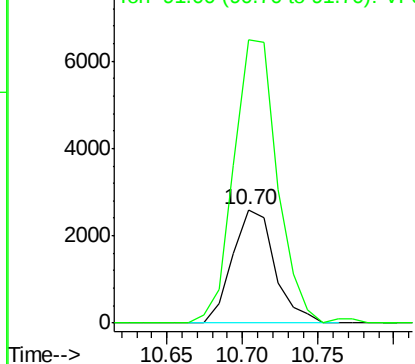
#69
o-Xylene
Concen: 1.283 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VF061466.D
Acq: 18 Jan 2019 18:26

Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-D

Tot Ion:106 Resp: 5036
Ion Ratio Lower Upper
106 100
91 250.2 113.3 339.8

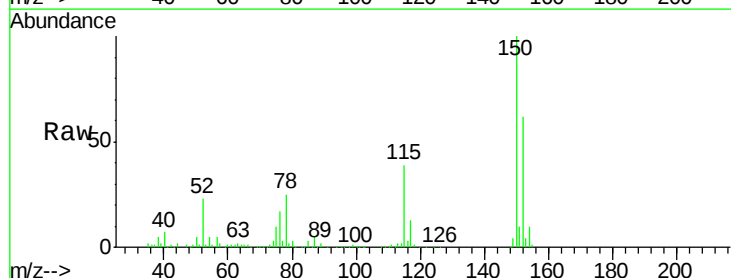


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

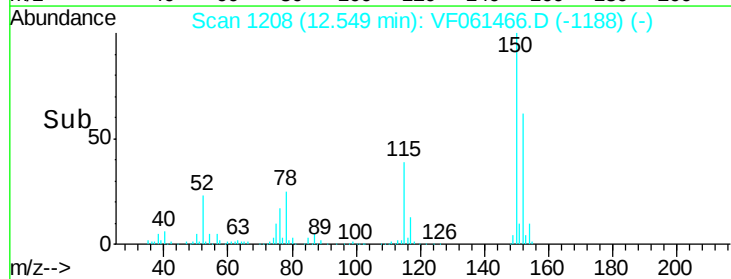
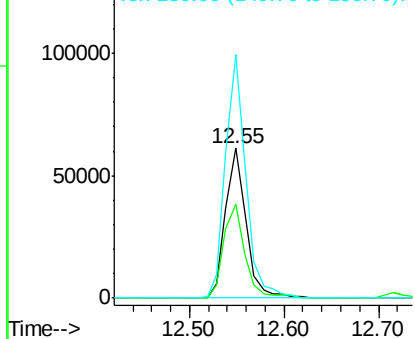


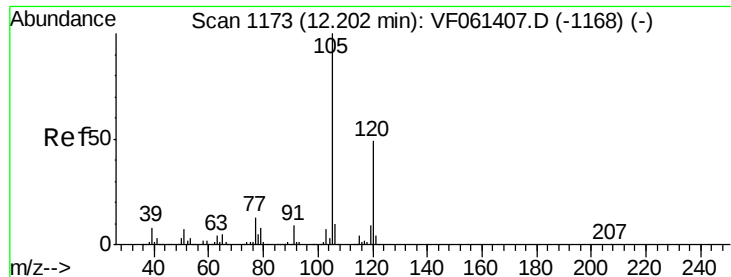
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF061466.D
Acq: 18 Jan 2019 18:26

Tgt Ion:152 Resp: 92555
Ion Ratio Lower Upper
152 100
115 62.8 30.0 90.0
150 162.5 0.0 321.4



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

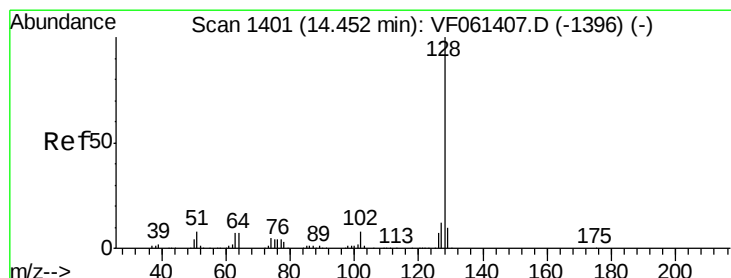
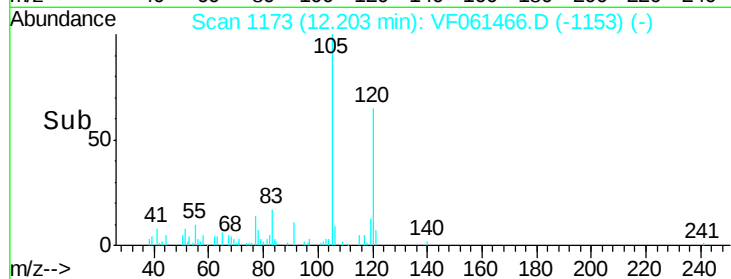
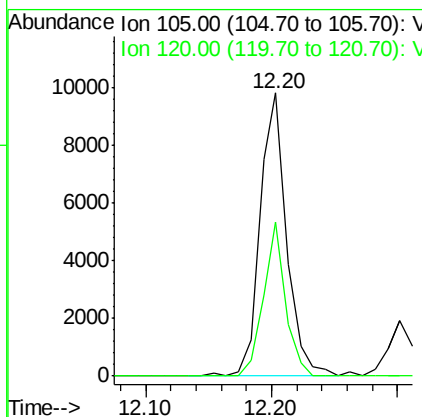
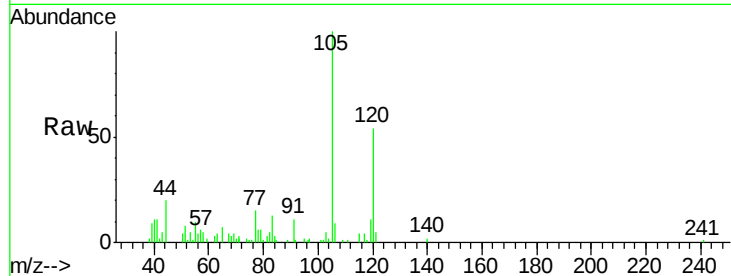




#84
 1,2,4-Trimethylbenzene
 Concen: 2.297 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VF061466.D
 Acq: 18 Jan 2019 18:26

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-011819-D

Tot Ion:105 Resp: 14375
 Ion Ratio Lower Upper
 105 100
 120 54.3 24.9 74.6



#95
 Naphthalene
 Concen: 5.646 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: VF061466.D
 Acq: 18 Jan 2019 18:26

Tgt Ion:128 Resp: 22346
 Ion Ratio Lower Upper
 128 100
 127 14.0 9.5 14.3
 129 11.4 8.4 12.6

