

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060430.D
 Acq On : 3 Oct 2018 22:24
 Operator : VA/AP
 Sample : J5198-01
 Misc : 6.74/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-100218-A

Quant Time: Oct 04 14:40:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	280153	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.74	114	467460	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	286252	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	112378	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	216006	49.27	ug/l	0.01
Spiked Amount			Recovery	=	98.54%	
35) Dibromofluoromethane	4.27	113	234772	53.46	ug/l	0.01
Spiked Amount			Recovery	=	106.92%	
50) Toluene-d8	7.69	98	306465	28.34	ug/l	0.01
Spiked Amount			Recovery	=	56.68%	
62) 4-Bromofluorobenzene	11.50	95	170655	34.56	ug/l	0.01
Spiked Amount			Recovery	=	69.12%	

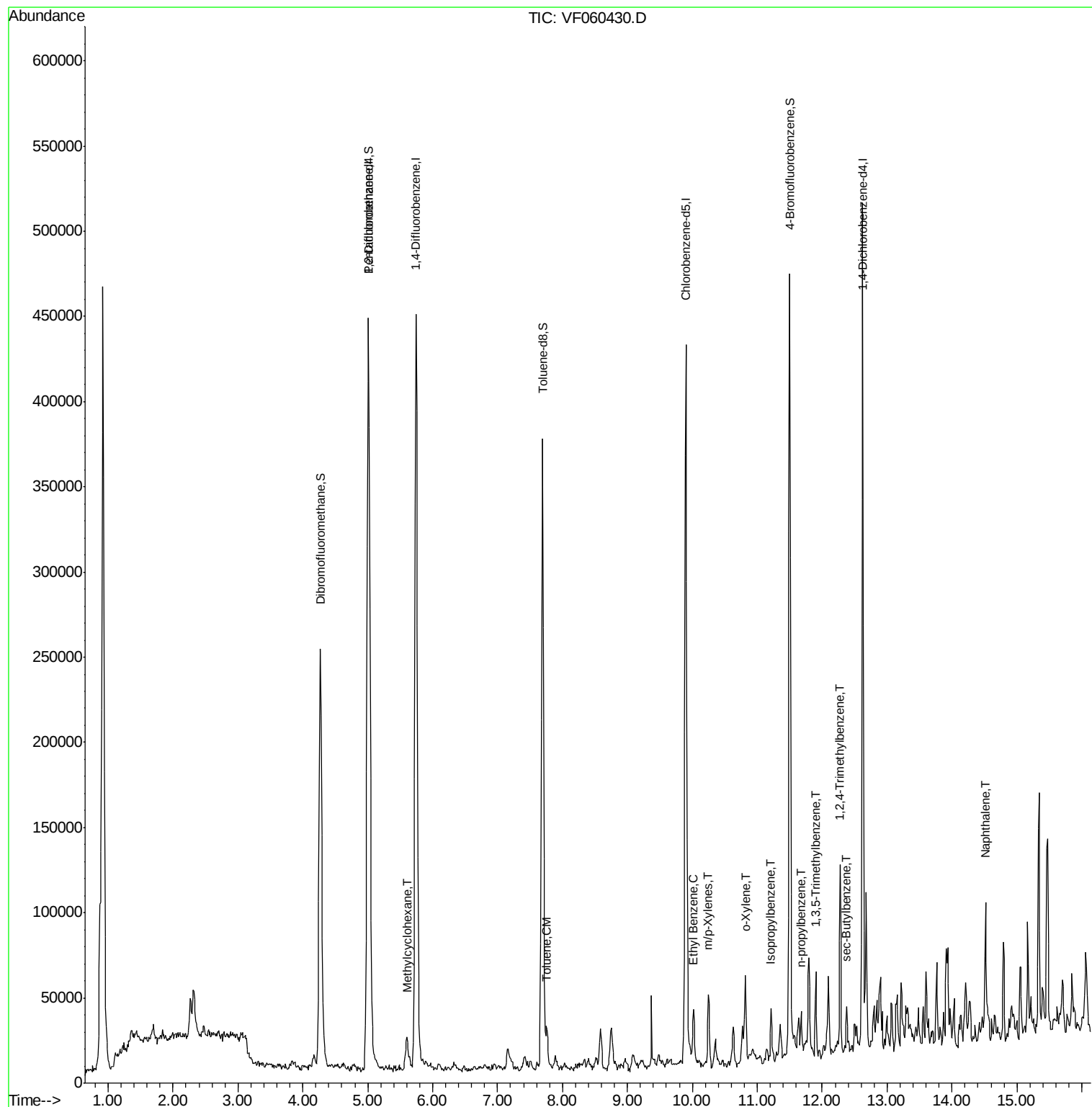
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	5.60	83	11434	2.024	ug/l	95
52) Toluene	7.75	92	10371	1.335	ug/l	99
67) Ethyl Benzene	10.03	91	25161	2.250	ug/l #	84
68) m/p-Xylenes	10.25	106	13489	3.510	ug/l	95
69) o-Xylene	10.82	106	14092	3.364	ug/l	92
73) Isopropylbenzene	11.21	105	17347	1.960	ug/l	92
78) n-propylbenzene	11.68	91	19077	1.778	ug/l	86
80) 1,3,5-Trimethylbenzene	11.90	105	24324	3.236	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	51438	6.899	ug/l	97
85) sec-Butylbenzene	12.38	105	13169	1.287	ug/l	93
95) Naphthalene	14.51	128	33625	7.056	ug/l #	96

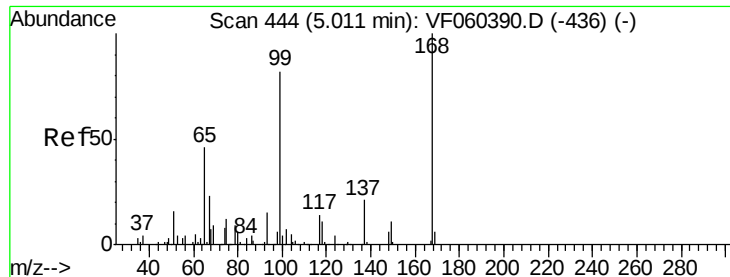
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 04 14:40:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060430.D

Acq: 3 Oct 2018 22:24

Instrument :

MSVOA_F

ClientSampleId :

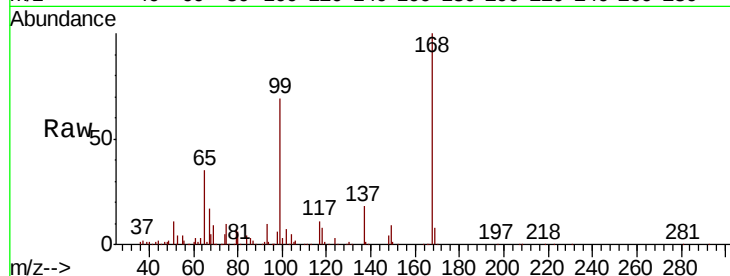
CL-01-100218-A

Tot Ion:168 Resp: 280153

Ion Ratio Lower Upper

168 100

99 68.8 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

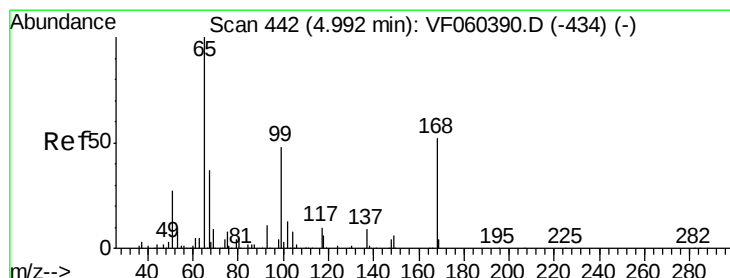
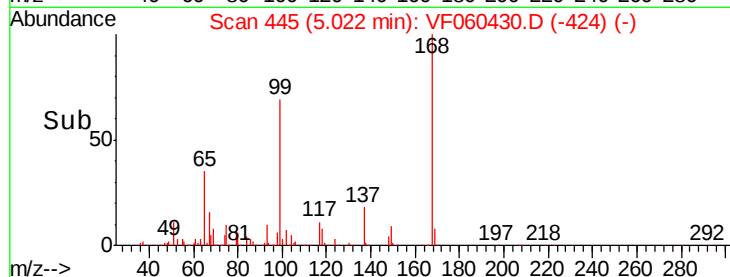
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.274 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060430.D

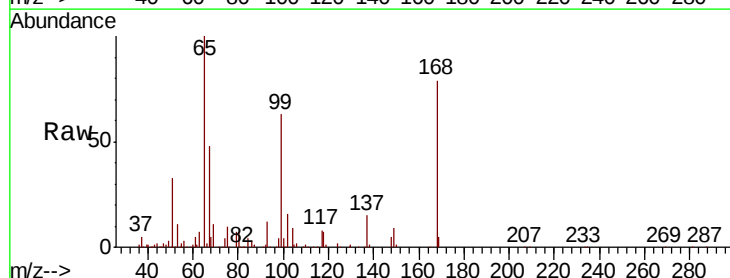
Acq: 3 Oct 2018 22:24

Tgt Ion: 65 Resp: 216006

Ion Ratio Lower Upper

65 100

67 48.2 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.00

80000

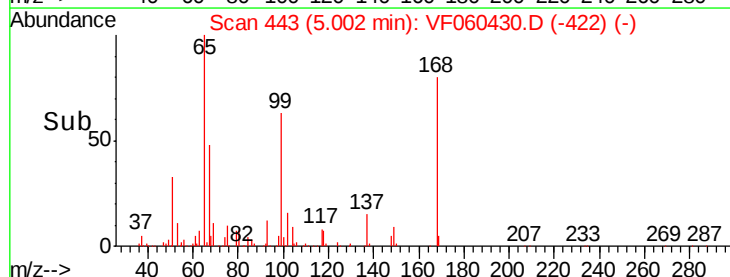
60000

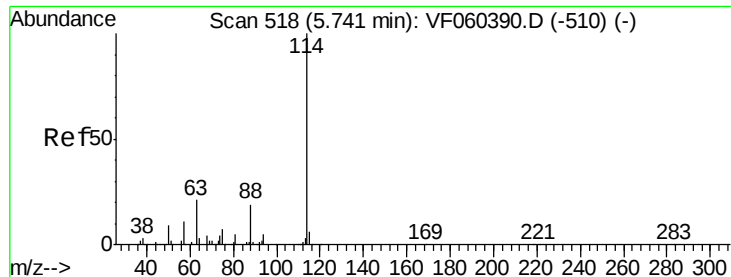
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 518

Delta R.T. 0.00 min

Lab File: VF060430.D

Acq: 3 Oct 2018 22:24

Instrument :

MSVOA_F

ClientSampleId :

CL-01-100218-A

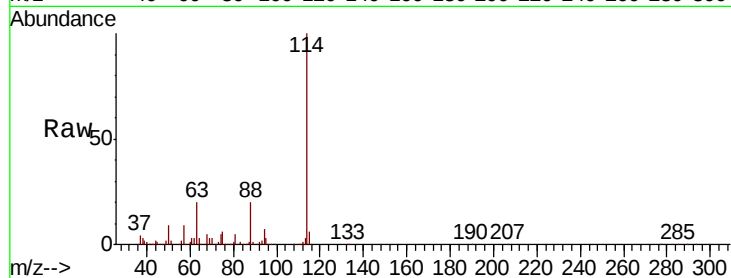
Tot Ion:114 Resp: 467460

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.2

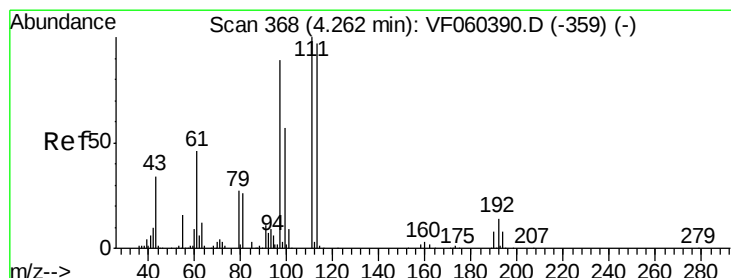
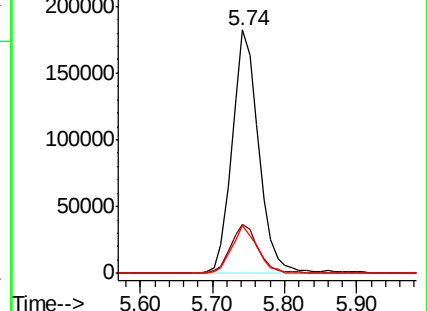
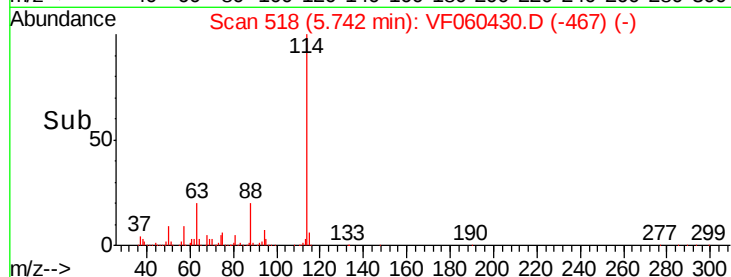
88 19.6 0.0 38.8



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: 53.461 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060430.D

Acq: 3 Oct 2018 22:24

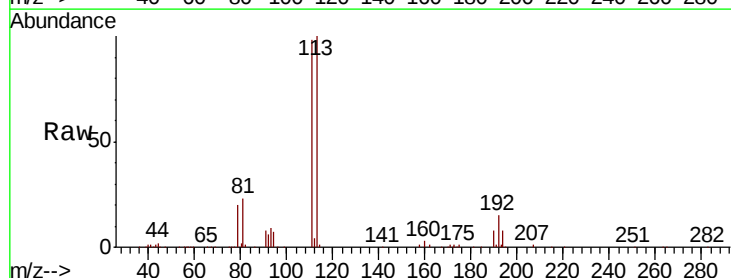
Tgt Ion:113 Resp: 234772

Ion Ratio Lower Upper

113 100

111 98.4 82.3 123.5

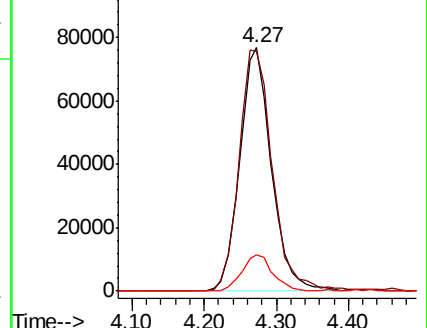
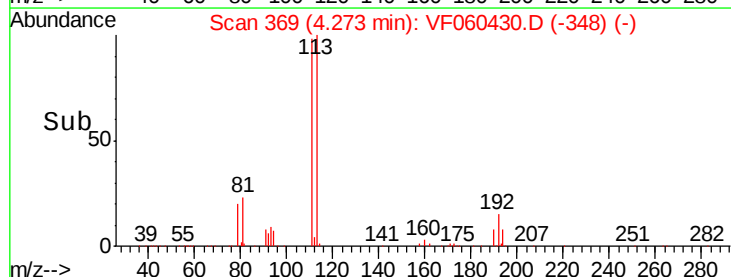
192 14.7 11.8 17.6

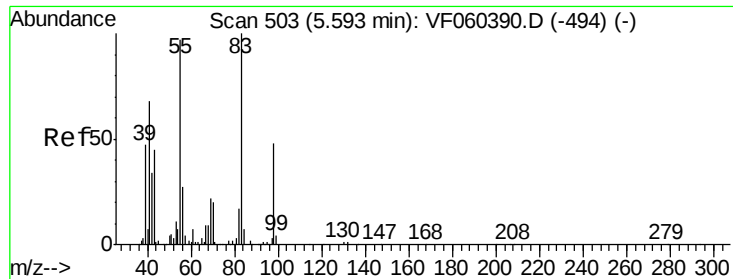


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

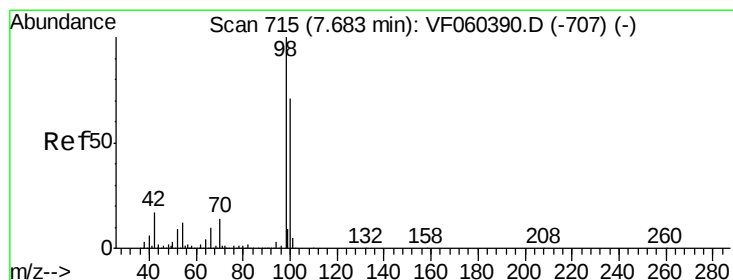
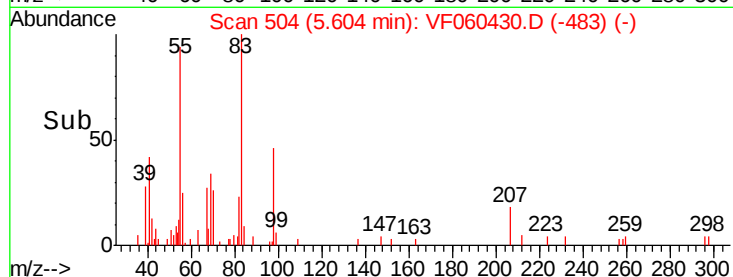
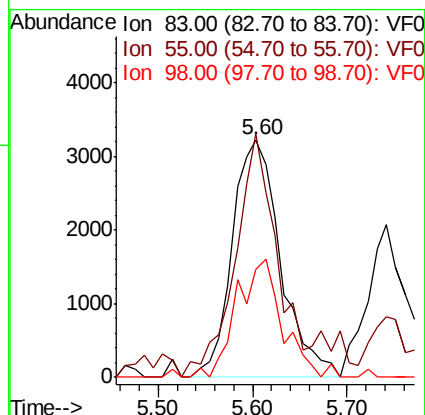
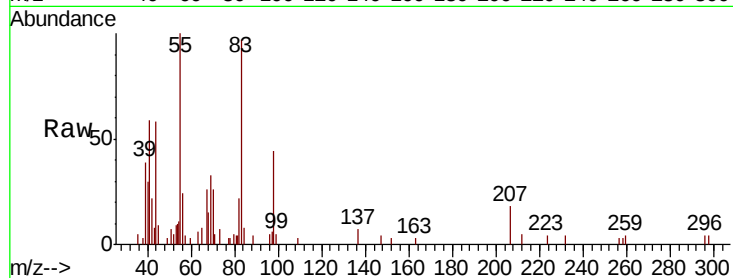




#39
Methvlcvclohexane
Concen: 2.024 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060430.D
Acq: 3 Oct 2018 22:24

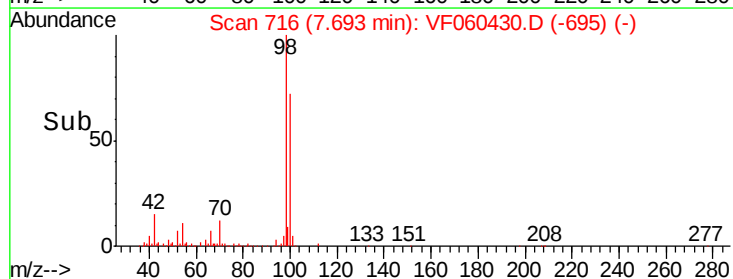
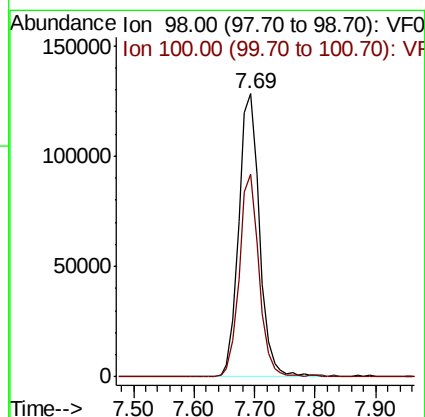
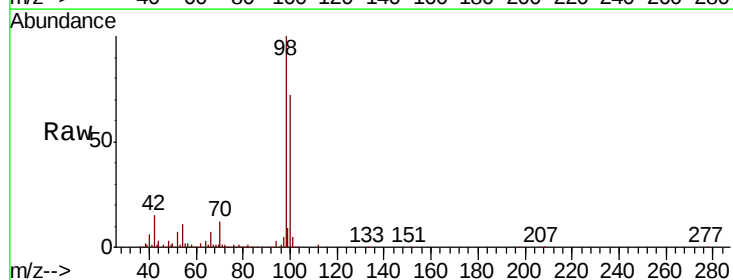
Instrument :
MSVOA_F
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CL-01-100218-A

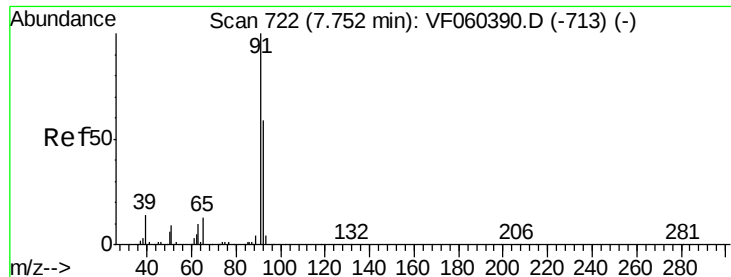
Tot Ion: 83 Resp: 11434
Ion Ratio Lower Upper
83 100
55 102.6 77.5 116.3
98 45.5 38.7 58.1



#50
Toluene-d8
Concen: 28.336 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060430.D
Acq: 3 Oct 2018 22:24

Tgt Ion: 98 Resp: 306465
Ion Ratio Lower Upper
98 100
100 71.5 56.5 84.7





#52

Toluene

Concen: 1.335 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060430.D

Acq: 3 Oct 2018 22:24

Instrument :

MSVOA_F

ClientSampleId :

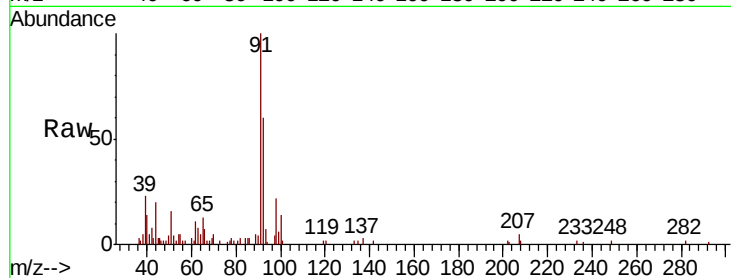
CL-01-100218-A

Tot Ion: 92 Resp: 10371

Ion Ratio Lower Upper

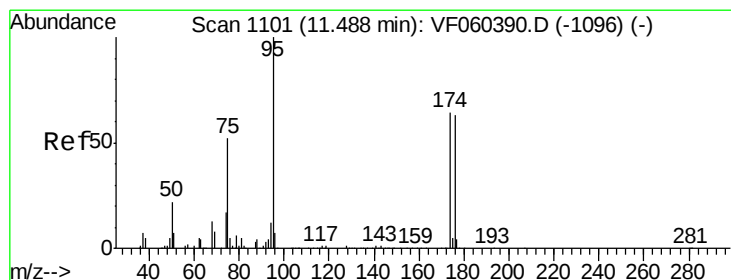
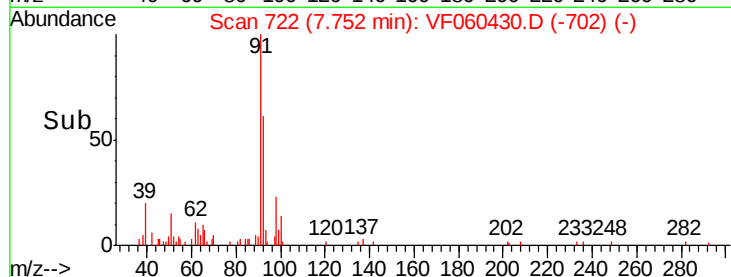
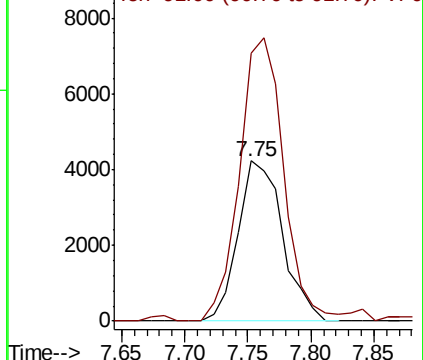
92 100

91 167.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 34.558 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060430.D

Acq: 3 Oct 2018 22:24

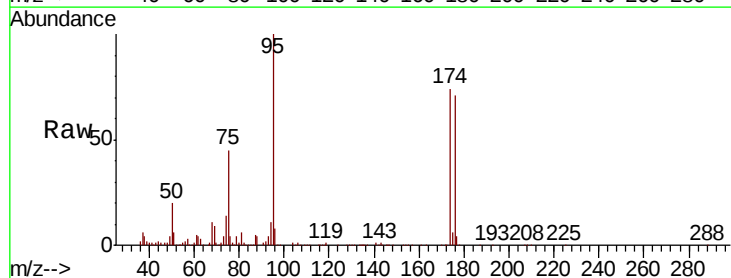
Tgt Ion: 95 Resp: 170655

Ion Ratio Lower Upper

95 100

174 74.3 0.0 129.0

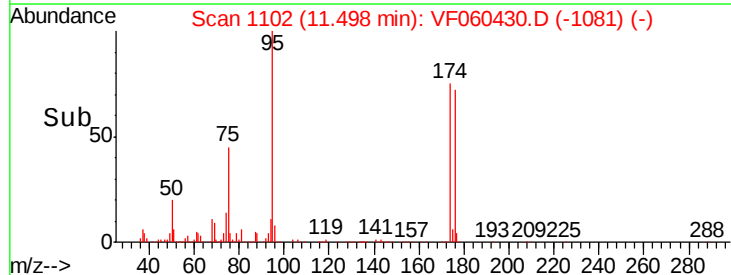
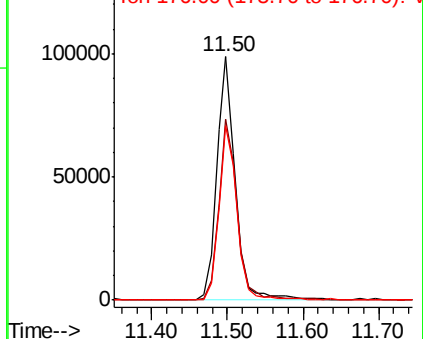
176 71.5 0.0 125.6

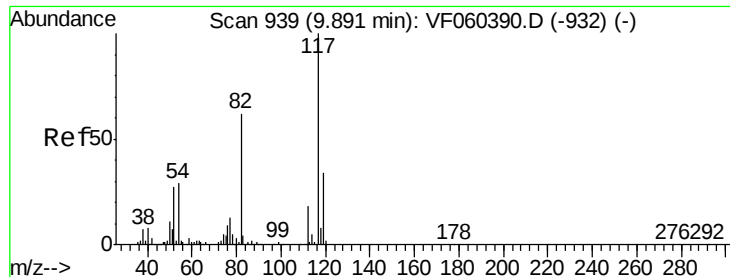


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF060430.D

Acq: 3 Oct 2018 22:24

Instrument :

MSVOA_F

ClientSampleId :

CL-01-100218-A

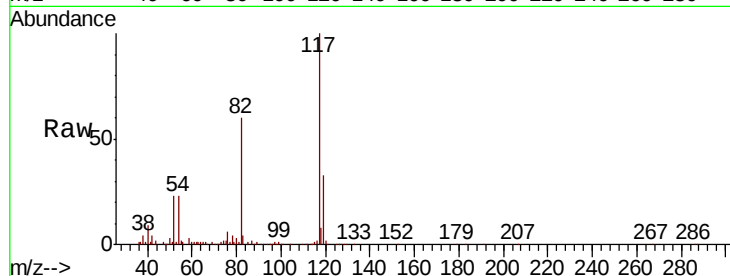
Tot Ion:117 Resp: 286252

Ion Ratio Lower Upper

117 100

82 60.0 49.5 74.3

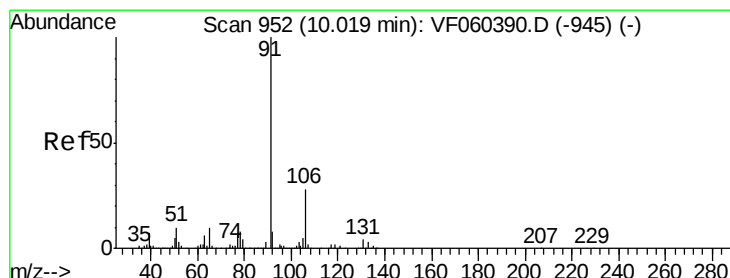
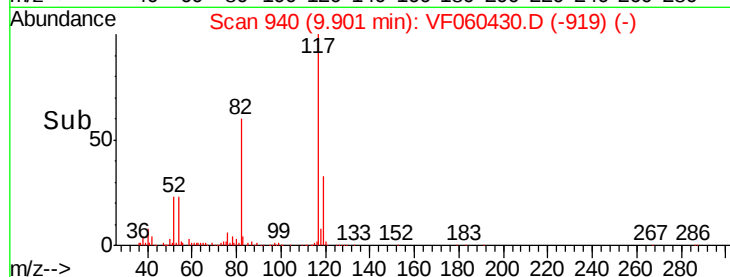
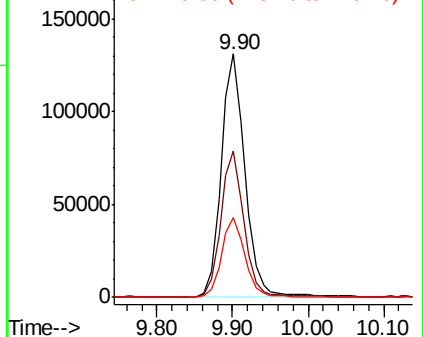
119 32.8 27.0 40.6



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: 2.250 ug/l

RT: 10.03 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF060430.D

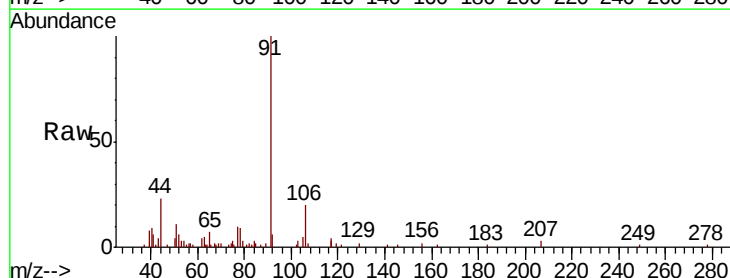
Acq: 3 Oct 2018 22:24

Tgt Ion: 91 Resp: 25161

Ion Ratio Lower Upper

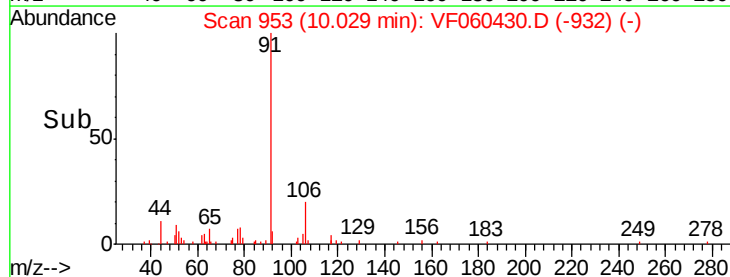
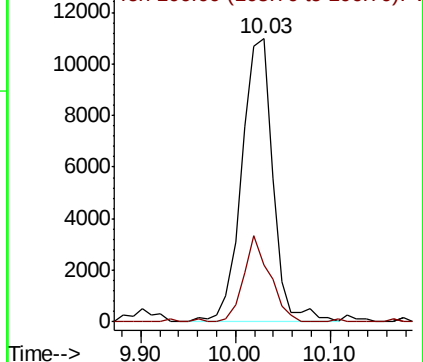
91 100

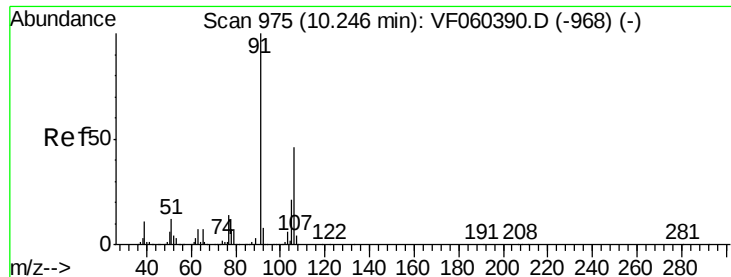
106 19.9 22.5 33.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

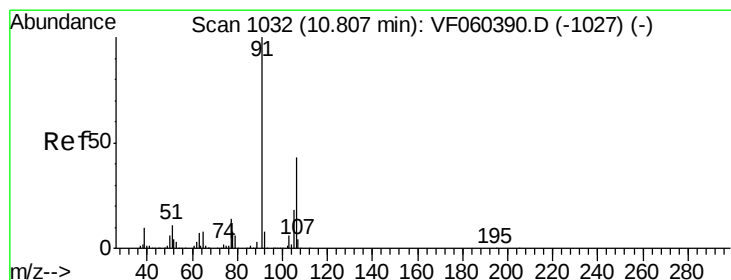
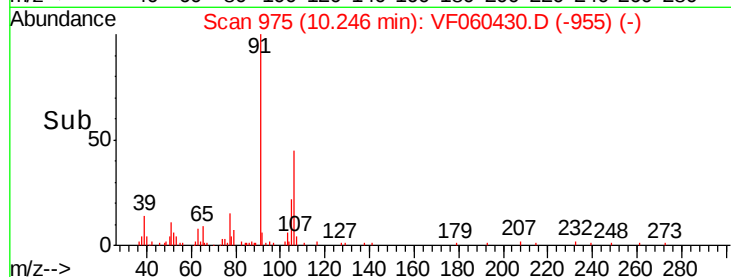
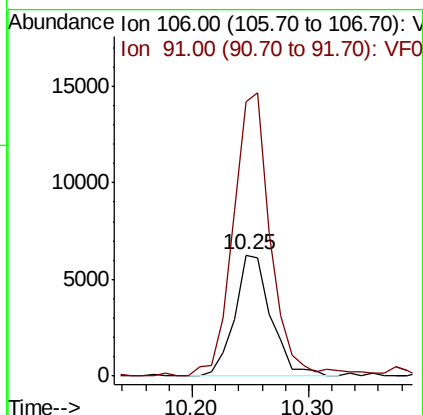
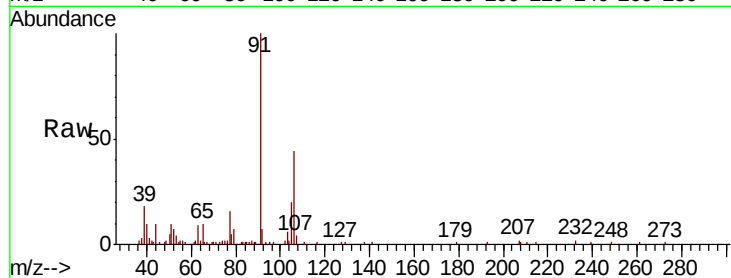




#68
m/p-Xylenes
Concen: 3.510 ug/l
RT: 10.25 min Scan# 975
Delta R.T. 0.00 min
Lab File: VF060430.D
Acq: 3 Oct 2018 22:24

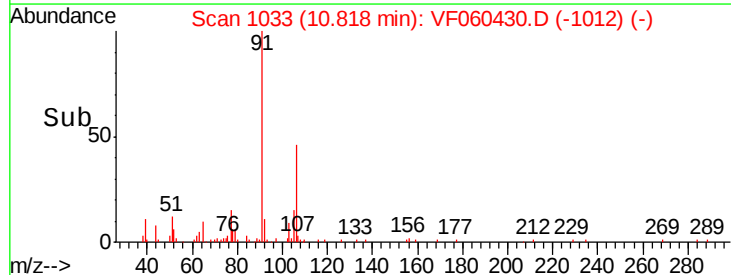
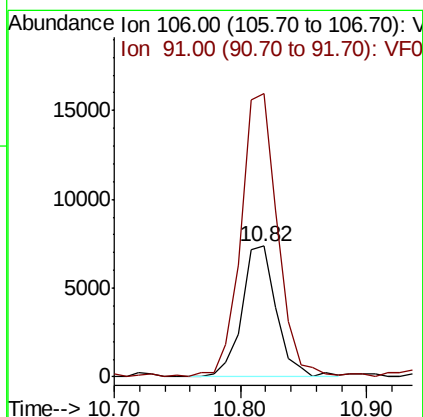
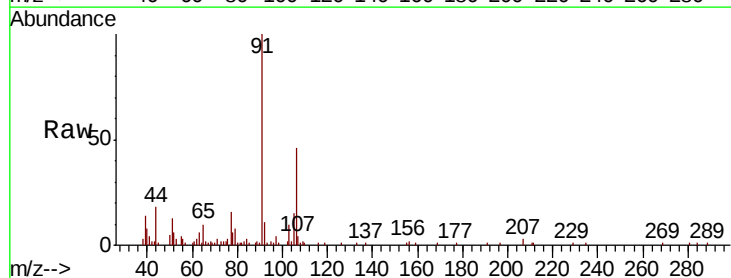
Instrument :
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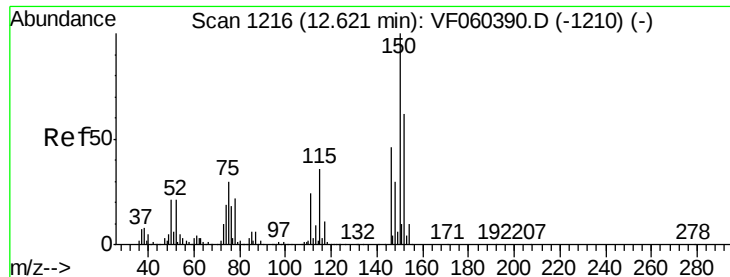
Tot Ion:106 Resp: 13489
Ion Ratio Lower Upper
106 100
91 227.4 175.0 262.6



#69
o-Xylene
Concen: 3.364 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060430.D
Acq: 3 Oct 2018 22:24

Tgt Ion:106 Resp: 14092
Ion Ratio Lower Upper
106 100
91 216.9 115.1 345.2



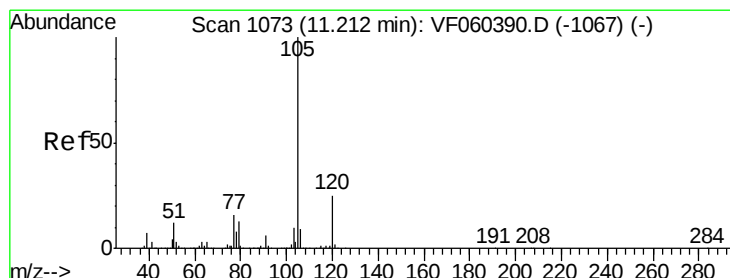
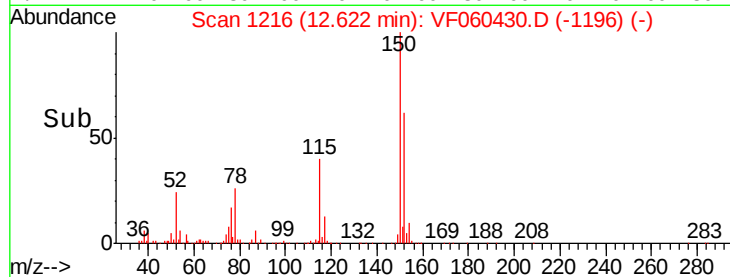
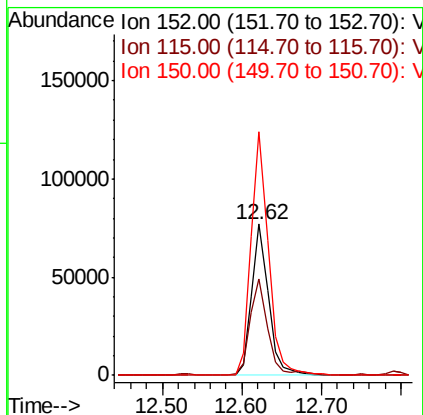
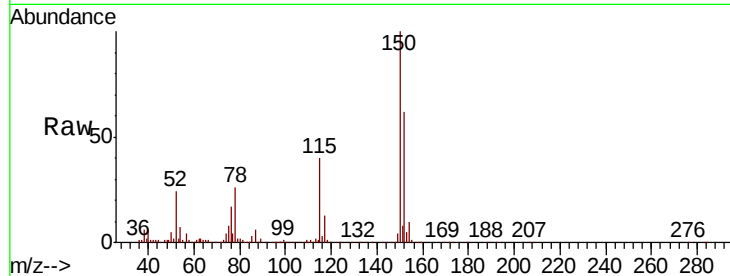


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VF060430.D
Acq: 3 Oct 2018 22:24

Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-A

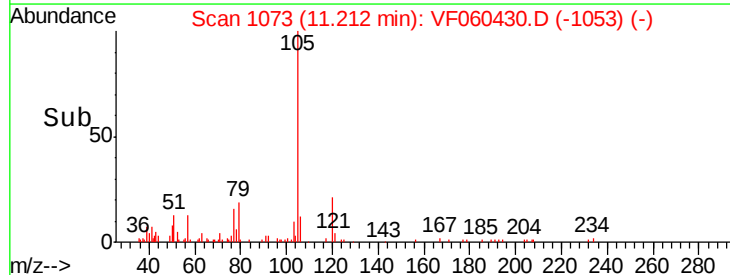
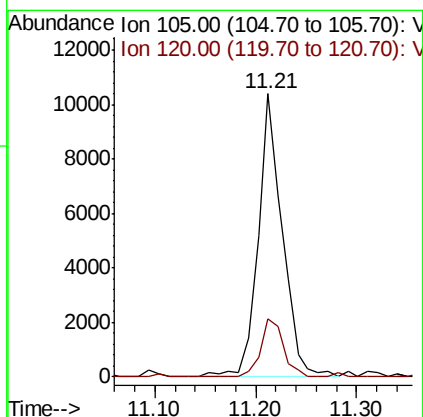
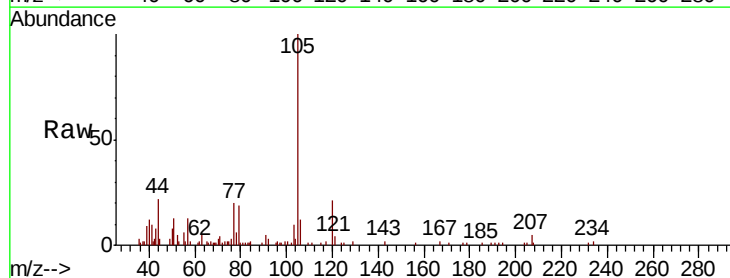
Tot Ion	Ratio	Lower	Upper
152	100		
115	64.0	28.6	85.8
150	160.9	0.0	324.6

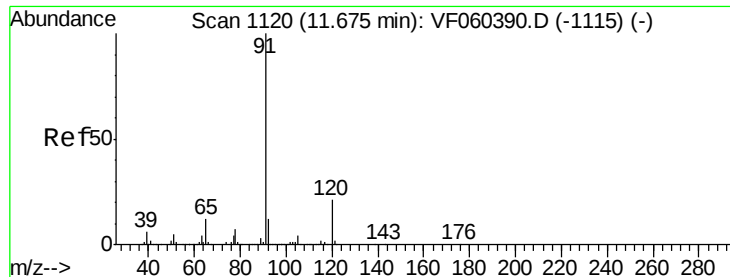


#73

Isopropylbenzene
Concen: 1.960 ug/l
RT: 11.21 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VF060430.D
Acq: 3 Oct 2018 22:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	20.7	12.3	36.9





#78

n-propylbenzene

Concen: 1.778 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF060430.D

Acq: 3 Oct 2018 22:24

Instrument :

MSVOA_F

ClientSampleId :

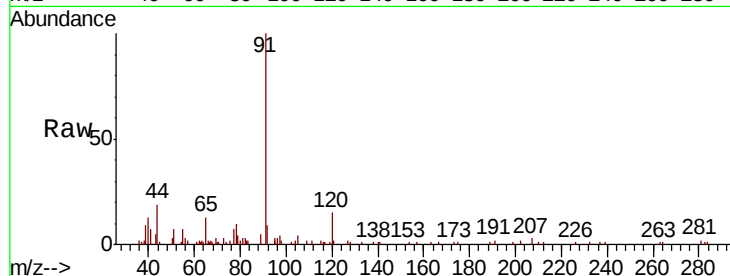
CL-01-100218-A

Tot Ion: 91 Resp: 19077

Ion Ratio Lower Upper

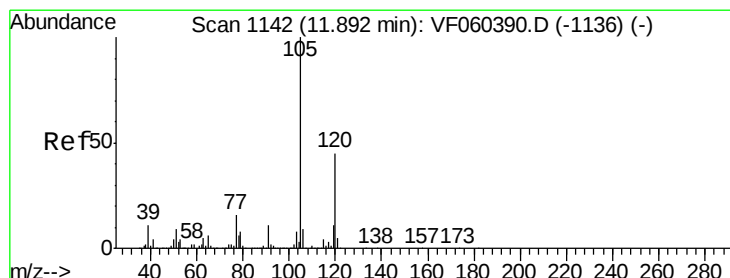
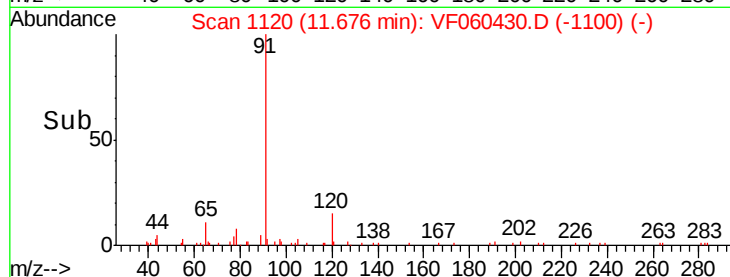
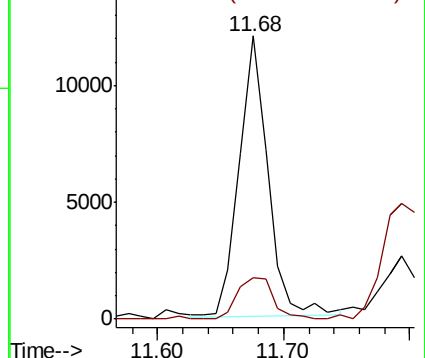
91 100

120 14.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 3.236 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060430.D

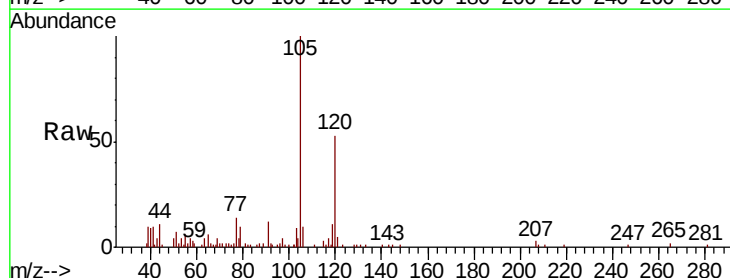
Acq: 3 Oct 2018 22:24

Tgt Ion:105 Resp: 24324

Ion Ratio Lower Upper

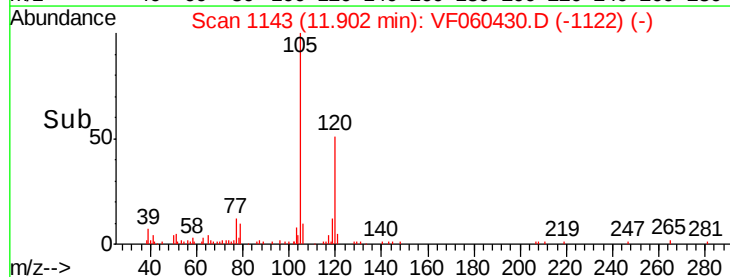
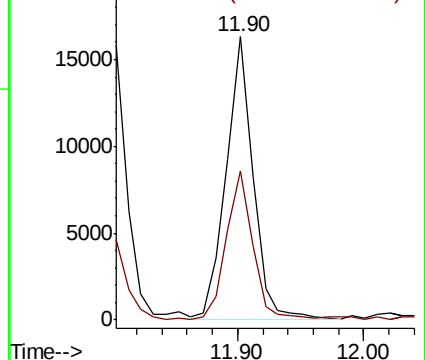
105 100

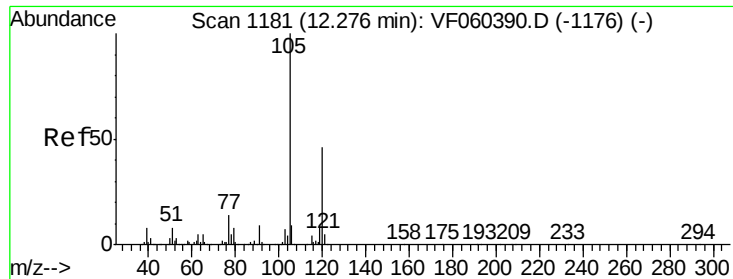
120 52.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

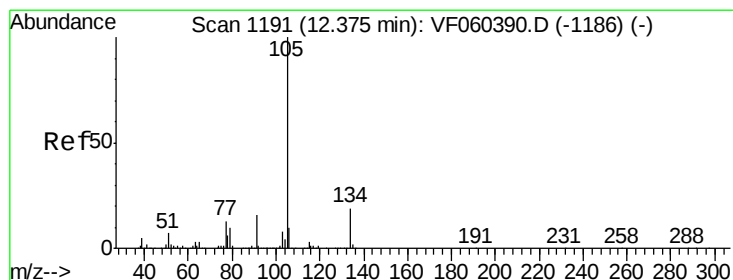
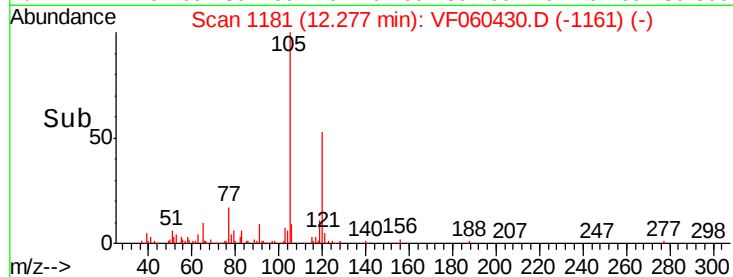
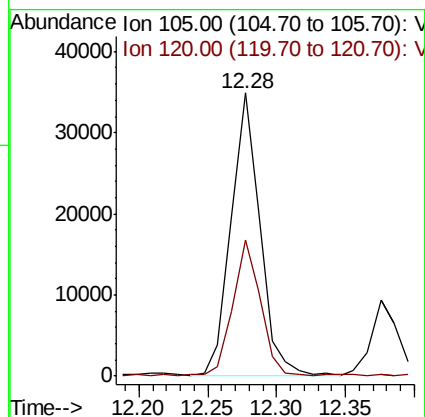
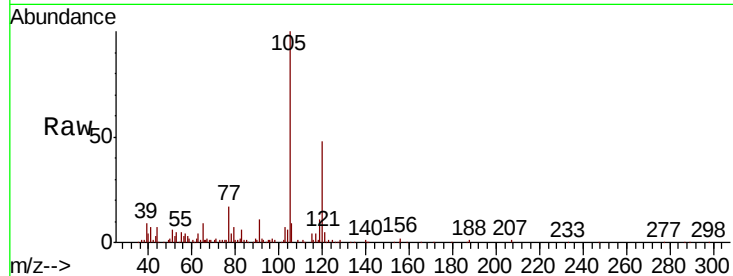




#84
 1,2,4-Trimethylbenzene
 Concen: 6.899 ug/l
 RT: 12.28 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VF060430.D
 Acq: 3 Oct 2018 22:24

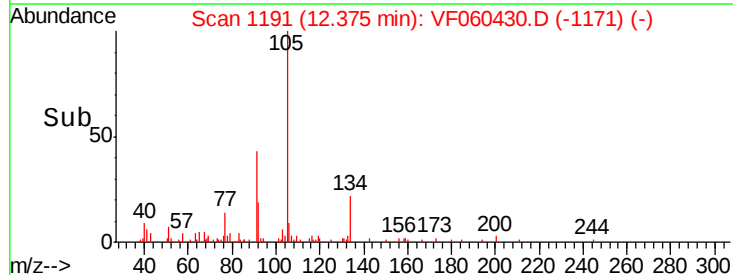
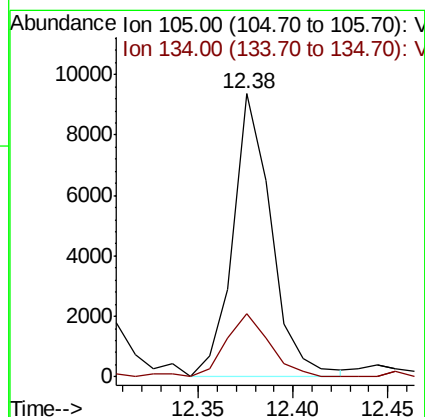
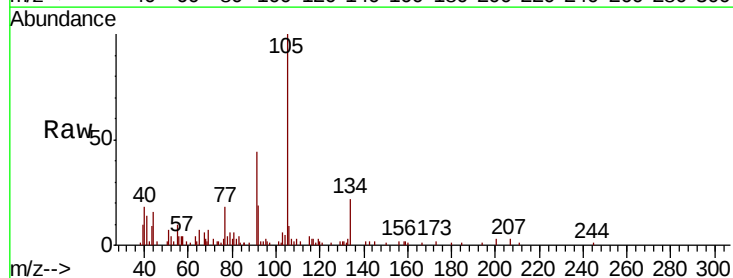
Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-100218-A

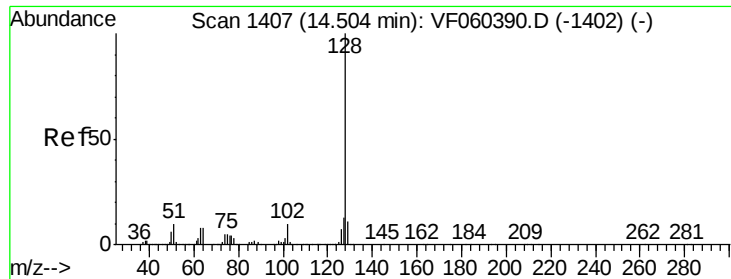
Tot Ion:105 Resp: 51438
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 1.287 ug/l
 RT: 12.38 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF060430.D
 Acq: 3 Oct 2018 22:24

Tgt Ion:105 Resp: 13169
 Ion Ratio Lower Upper
 105 100
 134 22.2 9.4 28.3





#95
Naphthalene
Concen: 7.056 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060430.D
Acq: 3 Oct 2018 22:24

Instrument :
MSVOA_F
ClientSampleId :
CL-01-100218-A

Tot Ion:128 Resp: 33625
Ion Ratio Lower Upper
128 100
127 12.0 10.0 15.0
129 13.4 8.7 13.1#

