

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060771.D
 Acq On : 16 Nov 2018 18:24
 Operator : VA/AP
 Sample : J5964-04
 Misc : 6.89g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LR-RBR-200029

Manual Integrations
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Quant Time: Nov 17 05:55:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	166489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	285904	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	256976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	134188	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	97097	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
35) Dibromofluoromethane	4.12	113	101963	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
50) Toluene-d8	7.56	98	252541	45.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.92%	
62) 4-Bromofluorobenzene	11.42	95	120623	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	
Target Compounds						
16) Acetone	2.24	43	15196	37.438	ug/l	97
20) Methylene Chloride	2.18	84	8596m	3.724	ug/l	
52) Toluene	7.63	92	23840	4.813	ug/l	81
84) 1,2,4-Trimethylbenzene	12.21	105	21160	2.386	ug/l	87
95) Naphthalene	14.47	128	5842	1.057	ug/l #	89

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

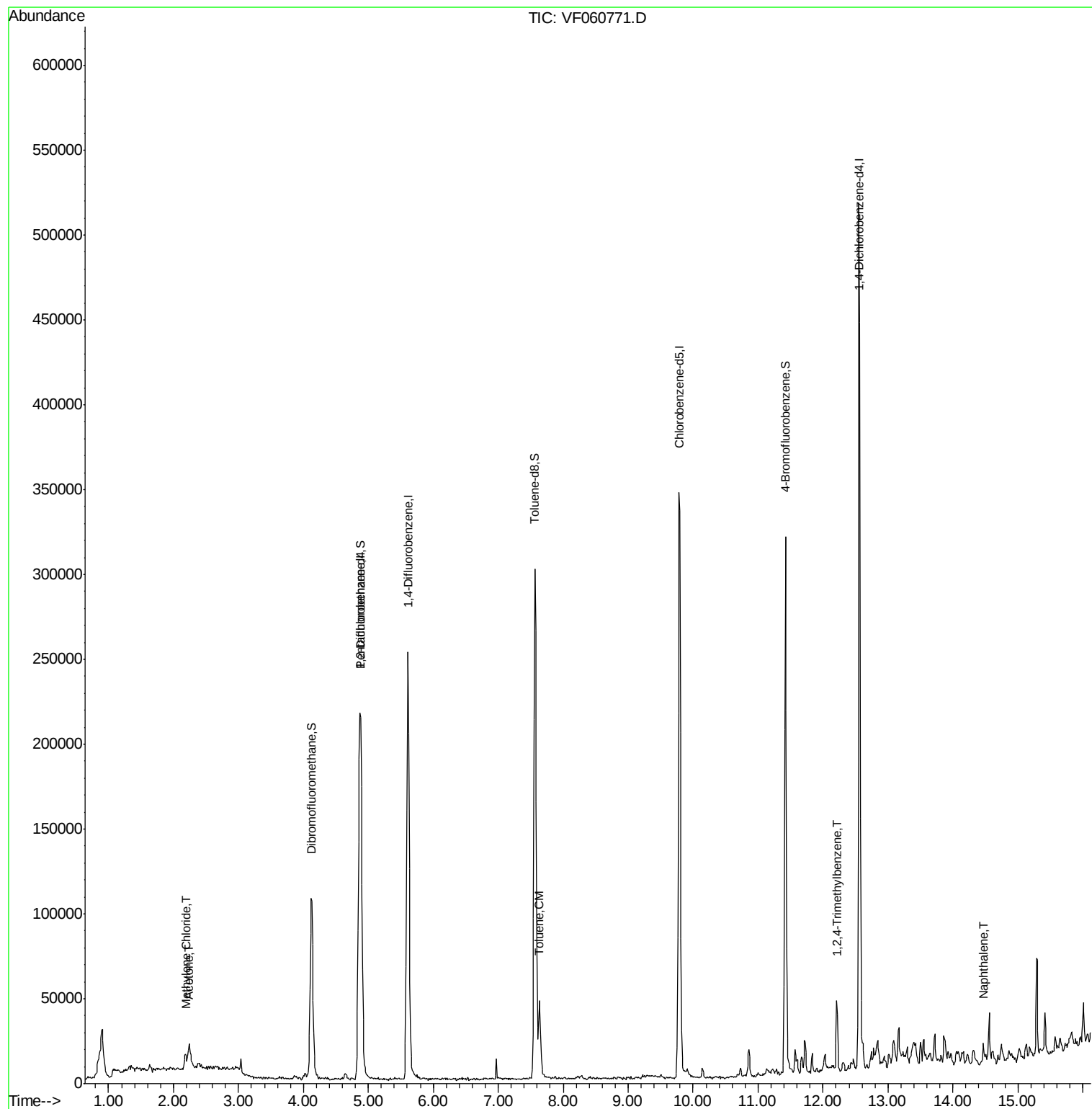
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\
Data File : VF060771.D
Acq On : 16 Nov 2018 18:24
Operator : VA/AP
Sample : J5964-04
Misc : 6.89g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

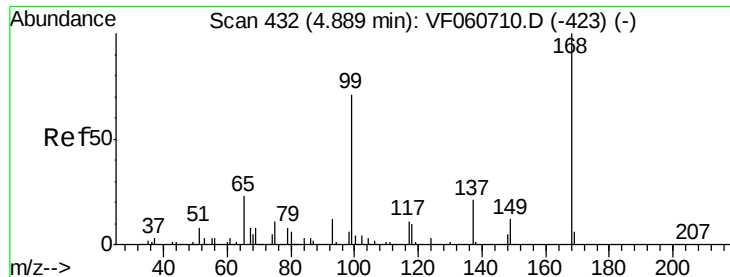
Instrument :
MSVOA_F
ClientSampleId :
LR-RBR-200029

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Quant Time: Nov 17 05:55:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060771.D

Acq: 16 Nov 2018 18:24

Instrument :

MSVOA_F

ClientSampleId :

LR-RBR-200029

Tot Ion:168 Resp: 166489

Ion Ratio Lower Upper

168 100

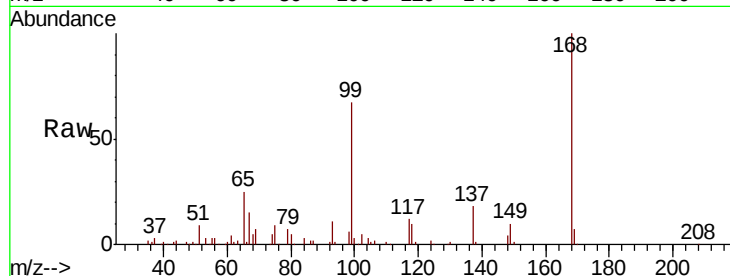
99 67.1 57.2 85.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

60000

50000

40000

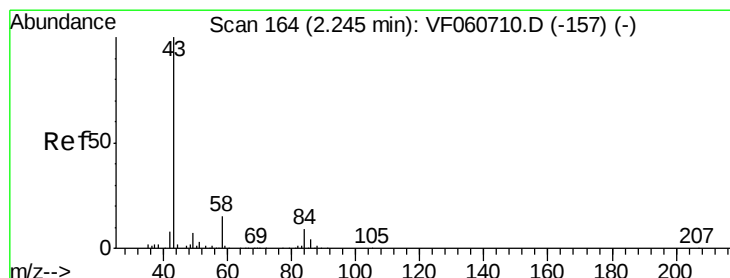
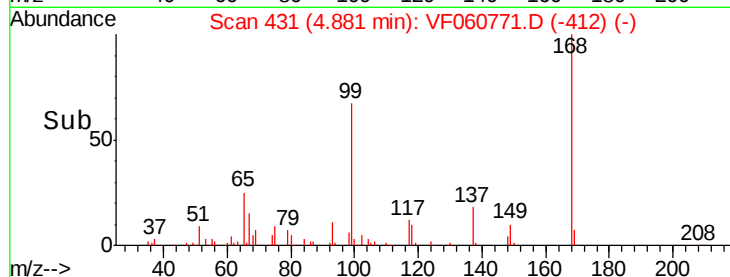
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 37.438 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060771.D

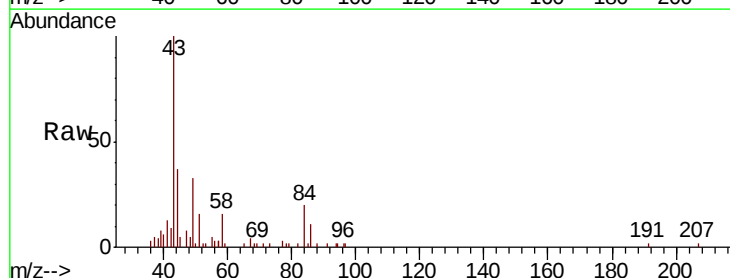
Acq: 16 Nov 2018 18:24

Tgt Ion: 43 Resp: 15196

Ion Ratio Lower Upper

43 100

58 15.8 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

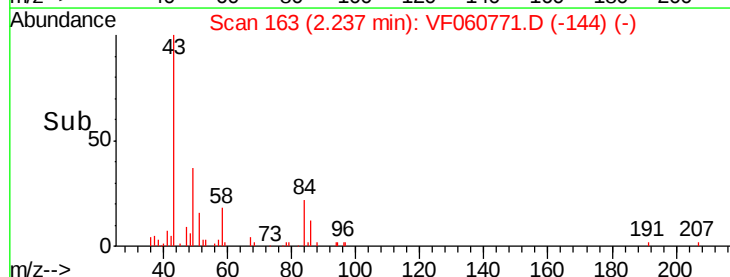
6000

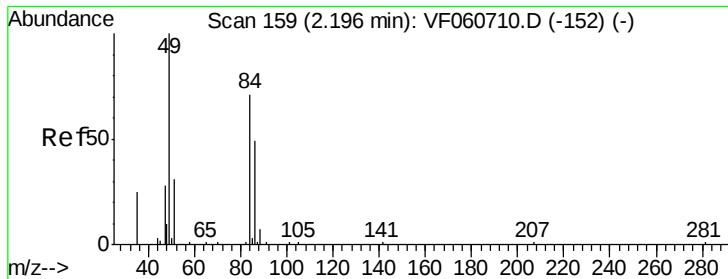
4000

2000

0

Time--> 2.10 2.20 2.30





#20

Methylene Chloride

Concen: 3.724 ug/l m

RT: 2.18 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF060771.D

Acq: 16 Nov 2018 18:24

Instrument :

MSVOA_F

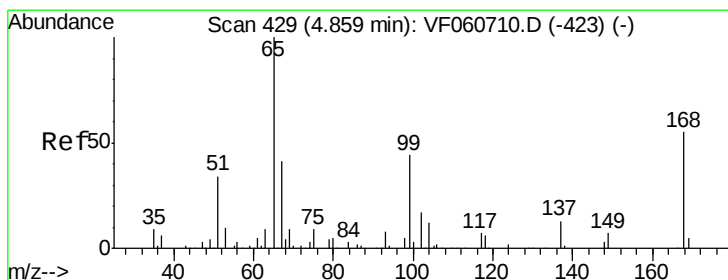
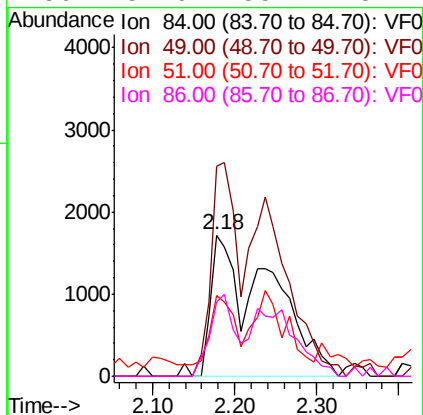
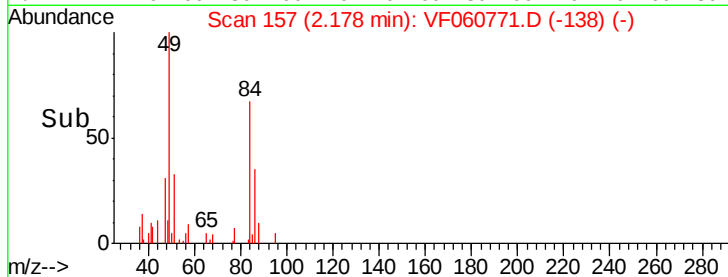
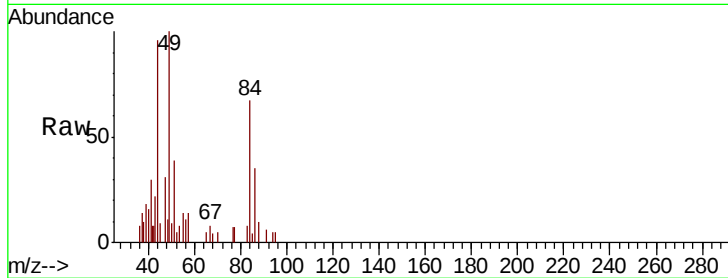
ClientSampleId :

LR-RBR-200029

Tot Ion:	84	Resp:	8596
Ion	Ratio	Lower	Upper
84	100		
49	149.3	120.2	180.4
51	57.7	37.2	55.8#
86	52.9	55.1	82.7#

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#33

1,2-Dichloroethane-d4

Concen: 51.131 ug/l

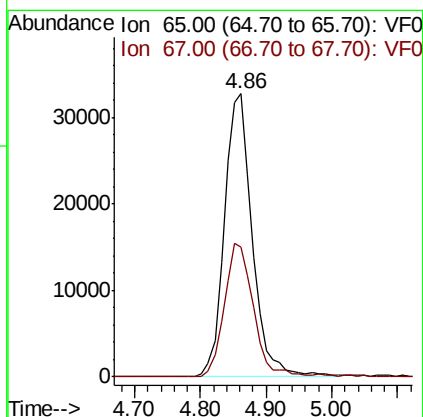
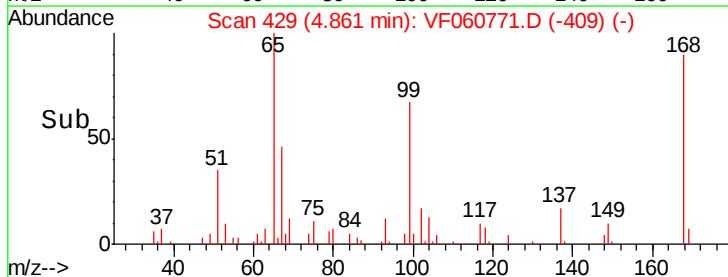
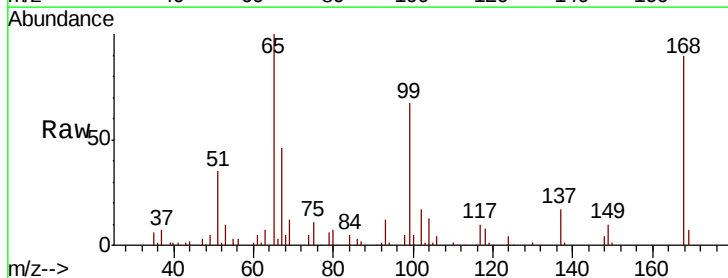
RT: 4.86 min Scan# 429

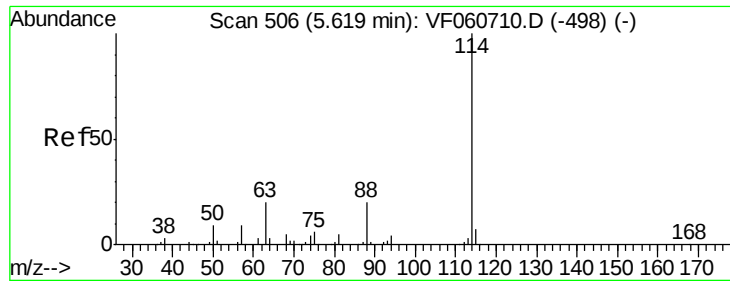
Delta R.T. 0.00 min

Lab File: VF060771.D

Acq: 16 Nov 2018 18:24

Tgt Ion:	65	Resp:	97097
Ion	Ratio	Lower	Upper
65	100		
67	45.8	0.0	90.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060771.D

Acq: 16 Nov 2018 18:24

Instrument :

MSVOA_F

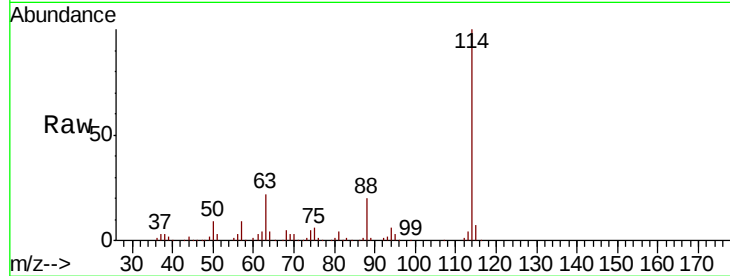
ClientSampleId :

LR-RBR-200029

Tot Ion:	114	Resp:	285904
Ion Ratio	Lower	Upper	
114	100		
63	21.9	0.0	40.8
88	20.1	0.0	39.6

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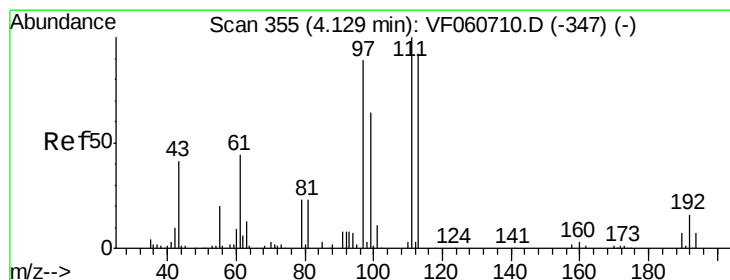
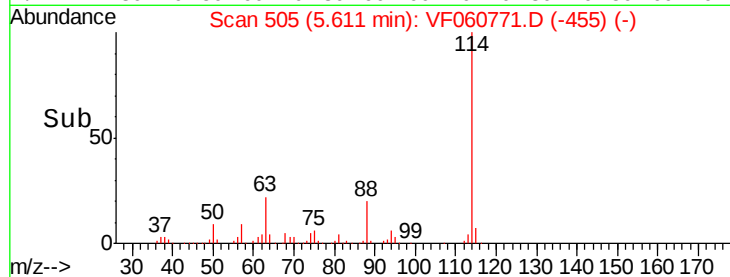
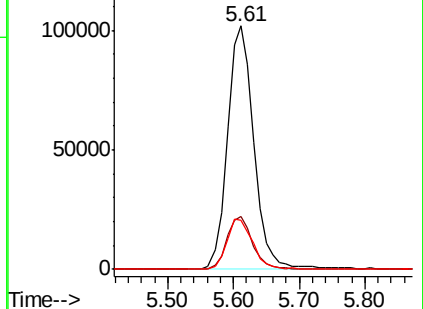
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 47.444 ug/l

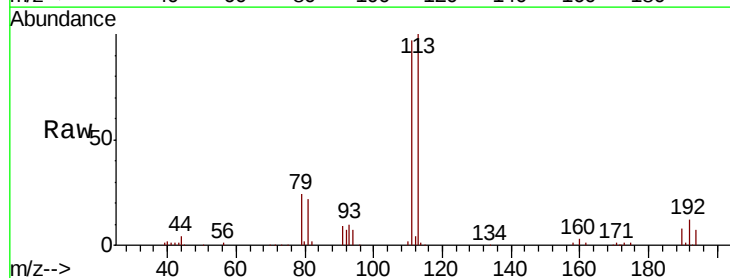
RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060771.D

Acq: 16 Nov 2018 18:24

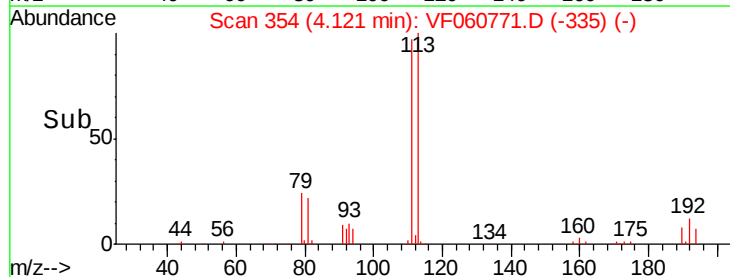
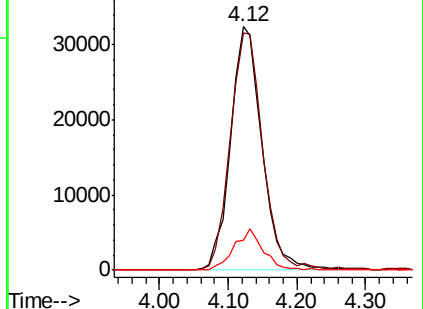
Tgt Ion:	113	Resp:	101963
Ion Ratio	Lower	Upper	
113	100		
111	97.4	87.1	130.7
192	12.3	13.8	20.6#

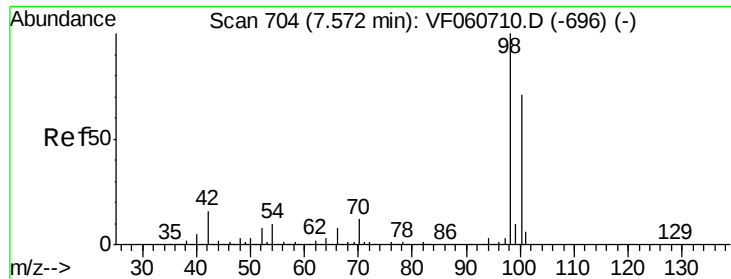


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 45.459 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060771.D

Acq: 16 Nov 2018 18:24

Instrument :

MSVOA_F

ClientSampleId :

LR-RBR-200029

Tot Ion: 98 Resp: 252541

Ion Ratio Lower Upper

98 100

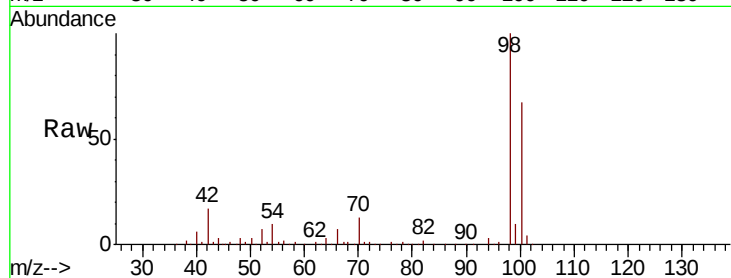
100 67.0 56.5 84.7

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

120000

100000

80000

60000

40000

20000

0

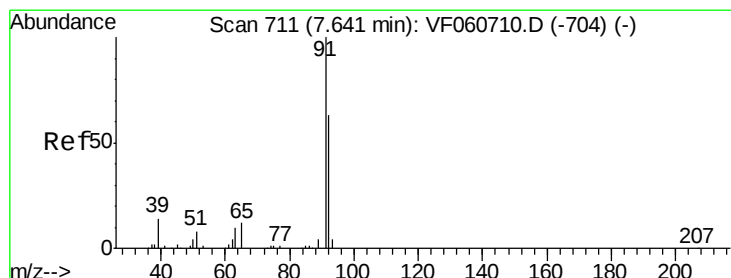
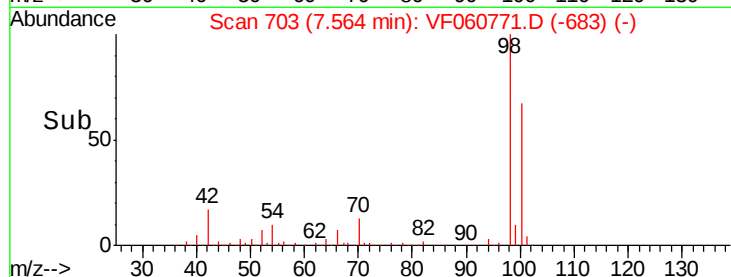
7.40

7.50

7.60

7.70

Time-->



#52

Toluene

Concen: 4.813 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060771.D

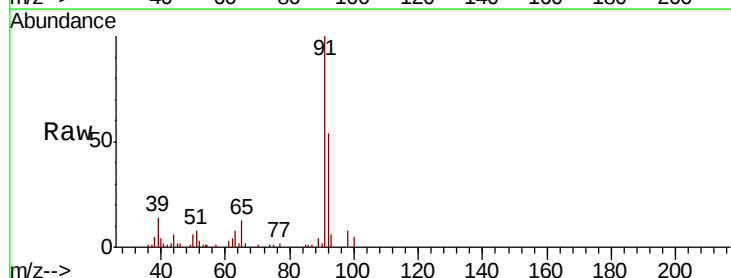
Acq: 16 Nov 2018 18:24

Tgt Ion: 92 Resp: 23840

Ion Ratio Lower Upper

92 100

91 183.8 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

20000

15000

10000

5000

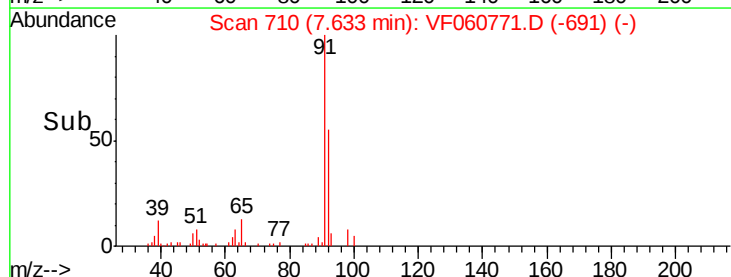
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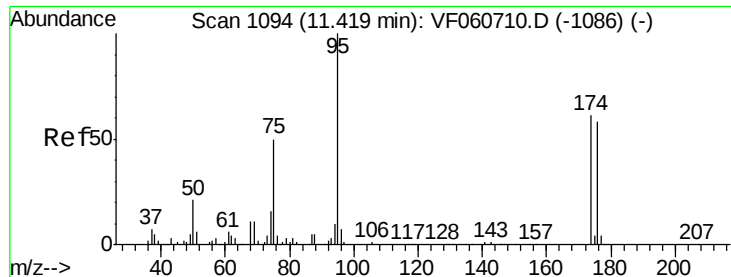
7.50

7.60

7.70

Time-->





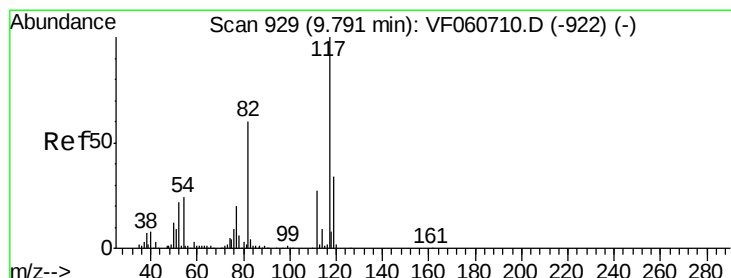
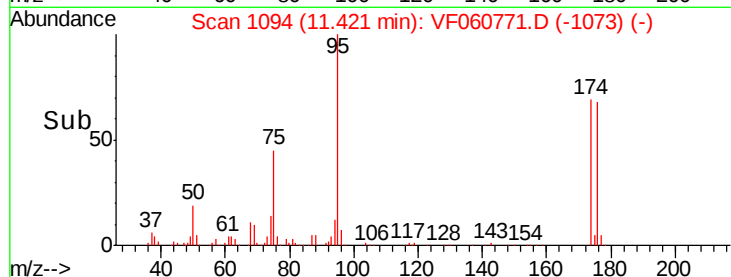
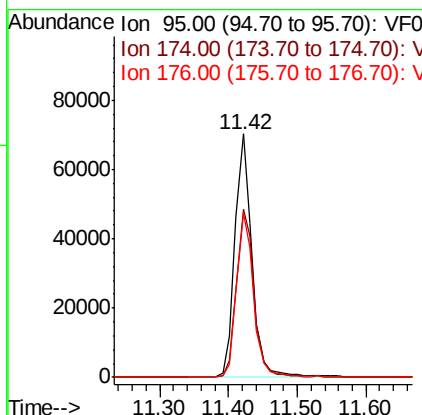
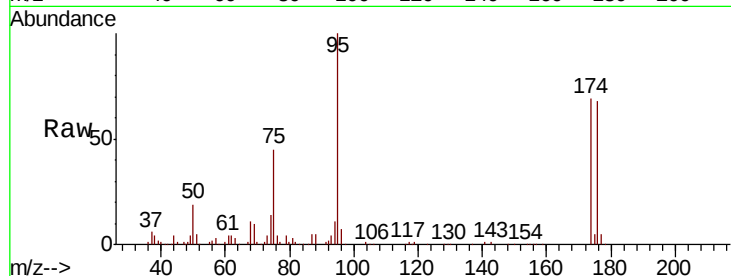
#62
4-Bromofluorobenzene
Concen: 47.203 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060771.D
Acq: 16 Nov 2018 18:24

Instrument :
MSVOA_F
ClientSampleId :
LR-RBR-200029

Tot Ion	95	Resp	120623
Ion Ratio	100	Lower	Upper
174	69.1	0.0	121.6
176	67.6	0.0	115.2

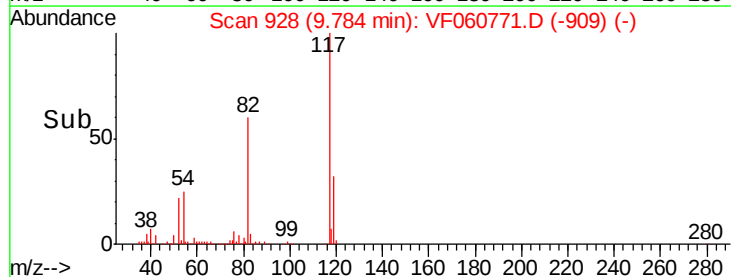
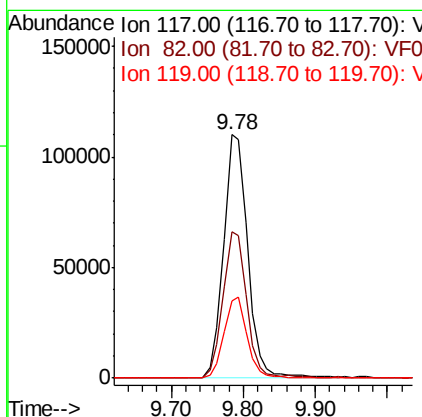
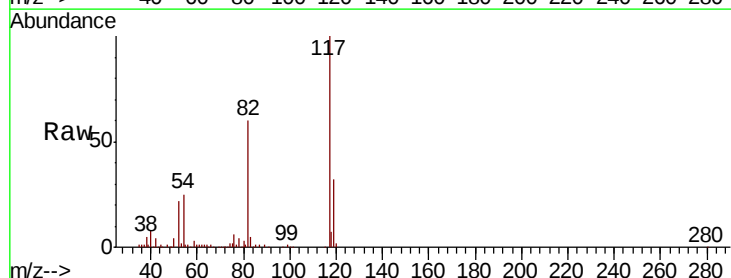
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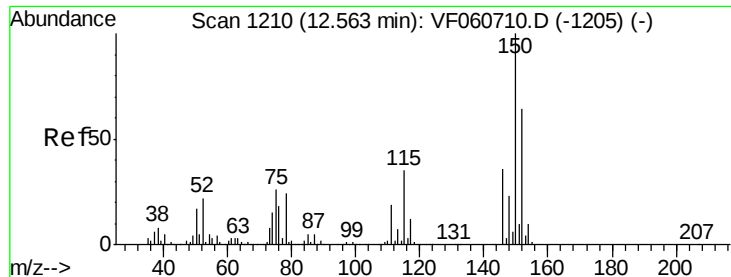
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060771.D
Acq: 16 Nov 2018 18:24

Tgt Ion	117	Resp	256976
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
82	60.0	47.9	71.9
119	31.7	26.8	40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060771.D

Acq: 16 Nov 2018 18:24

Instrument :

MSVOA_F

ClientSampleId :

LR-RBR-200029

Tot Ion:152 Resp: 134188

Ion Ratio Lower Upper

152 100

115 51.7 27.9 83.7

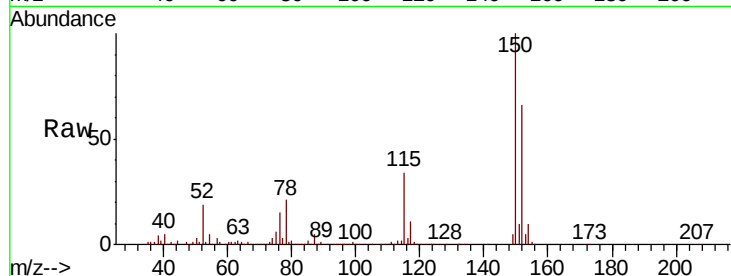
150 151.3 0.0 316.4

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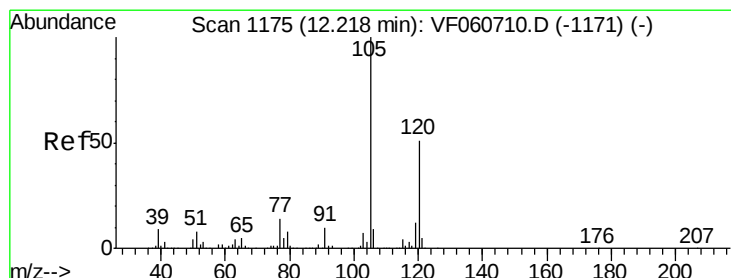
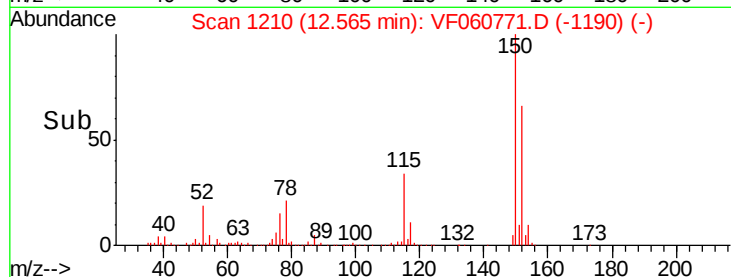
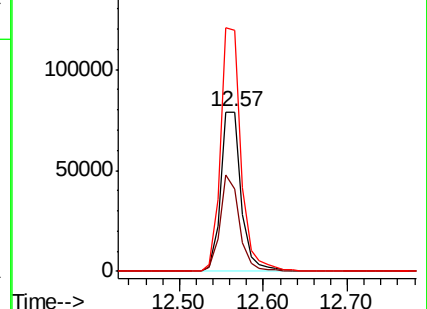
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Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.386 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF060771.D

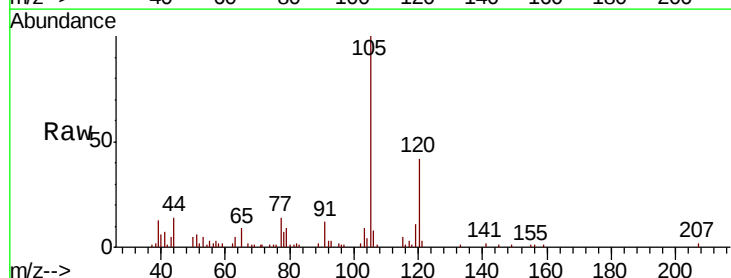
Acq: 16 Nov 2018 18:24

Tgt Ion:105 Resp: 21160

Ion Ratio Lower Upper

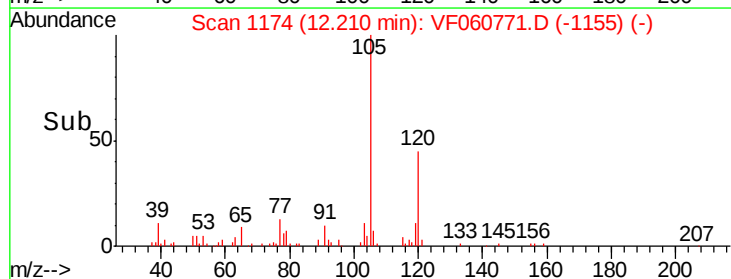
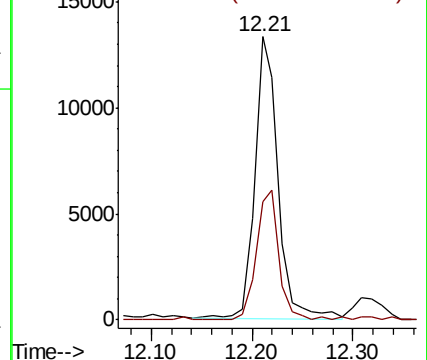
105 100

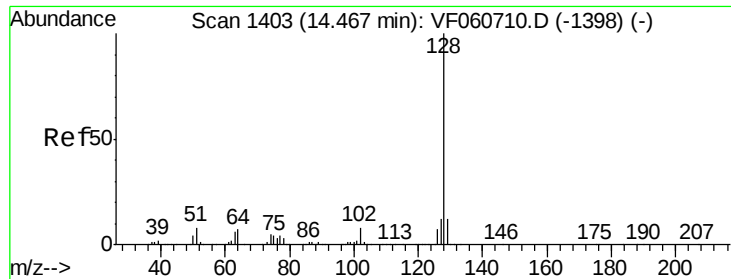
120 41.9 25.5 76.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 1.057 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF060771.D
Acq: 16 Nov 2018 18:24

Instrument :
MSVOA_F
ClientSampleId :
LR-RBR-200029

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	9.8	9.8	14.6
129	17.4	9.3	13.9#

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