

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060822.D
 Acq On : 21 Nov 2018 00:26
 Operator : VA/AP
 Sample : J5981-05
 Misc : 3.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-03(8-10)

Manual Integrations
 APPROVED

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 11/28/2018 8:40:03 AM

Quant Time: Nov 21 04:17:40 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	4.87	168	162753	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	269110	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	176066	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	62609	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	90450	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
35) Dibromofluoromethane	4.11	113	97858	48.38	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.76%	
50) Toluene-d8	7.56	98	220401	41.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	83.72%	
62) 4-Bromofluorobenzene	11.41	95	73108	28.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.66%	
Target Compounds						
16) Acetone	2.24	43	117618	296.42	ug/l	Qvalue 99
17) Carbon Disulfide	1.84	76	20859441m	5197.83	ug/l	
20) Methylene Chloride	2.18	84	8863m	4.09	ug/l	
25) 2-Butanone	4.33	43	51266	78.55	ug/l	93
40) Benzene	4.64	78	269616	38.75	ug/l	99
52) Toluene	7.63	92	247296	53.04	ug/l	96
67) Ethyl Benzene	9.91	91	973510	145.37	ug/l	100
68) m/p-Xylenes	10.13	106	527822	220.54	ug/l	97
69) o-Xylene	10.71	106	359732	133.69	ug/l	97
73) Isopropylbenzene	11.13	105	27233	5.40	ug/l	98
78) n-propylbenzene	11.60	91	27554	4.69	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	133300	33.32	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	401924	97.13	ug/l	94
86) p-Isopropyltoluene	12.46	119	120380	25.01	ug/l	93
95) Naphthalene	14.46	128	5059901	1962.82	ug/l #	87

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

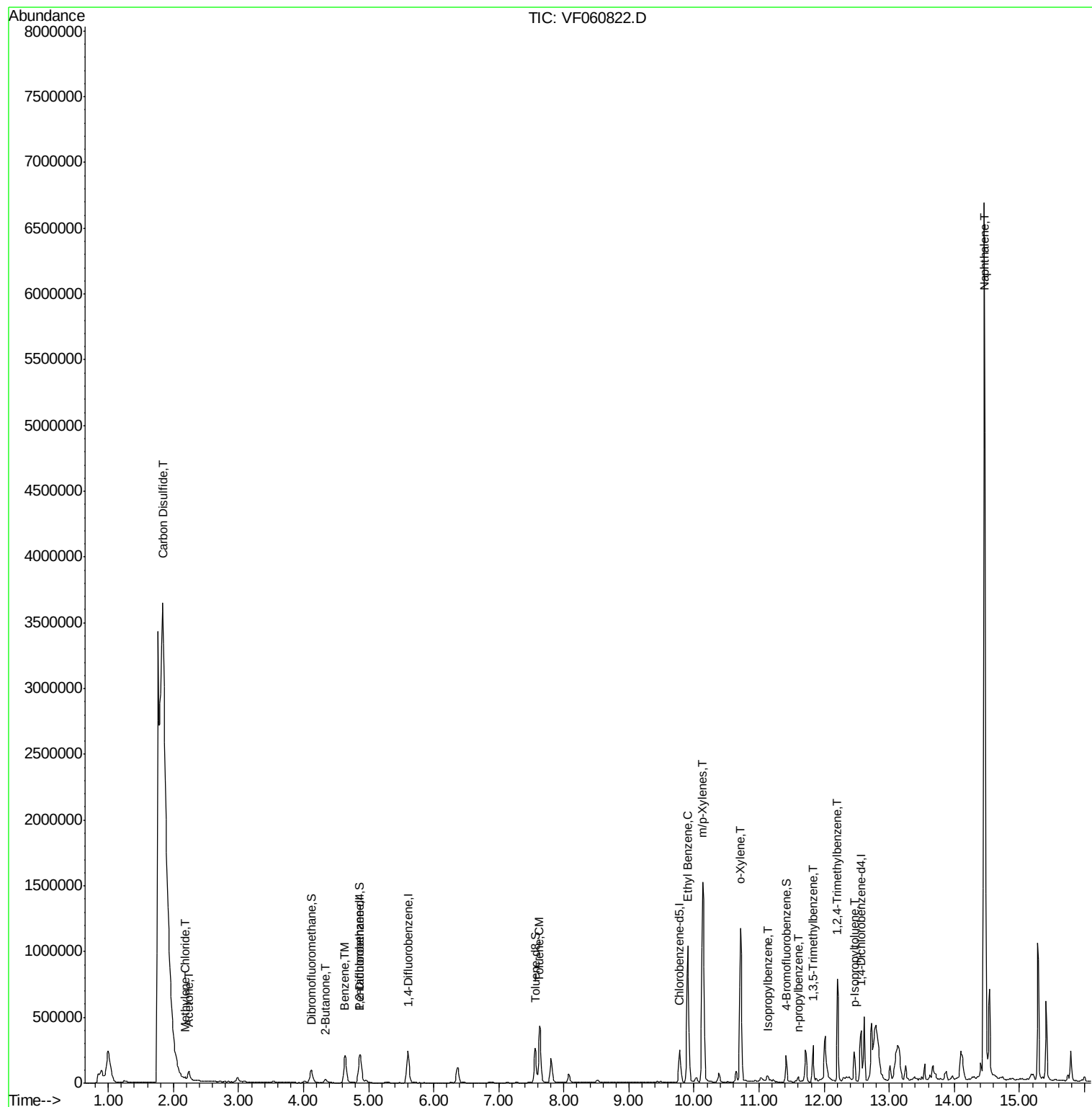
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
Data File : VF060822.D
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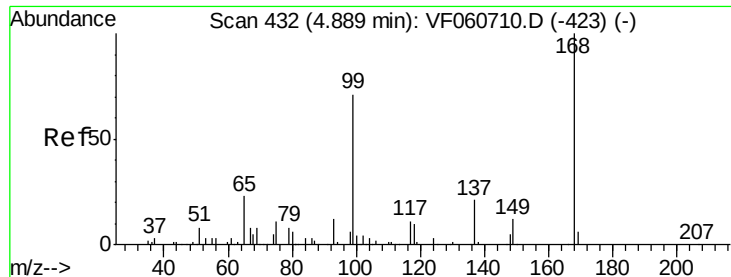
Instrument :
MSVOA_F
ClientSampleId :
DTW-03(8-10)

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Quant Time: Nov 21 04:17:40 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: 50.00 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA_F

ClientSampleId :

DTW-03(8-10)

Tgt Ion: 168 Resp: 162753

Ion Ratio Lower Upper

168 100

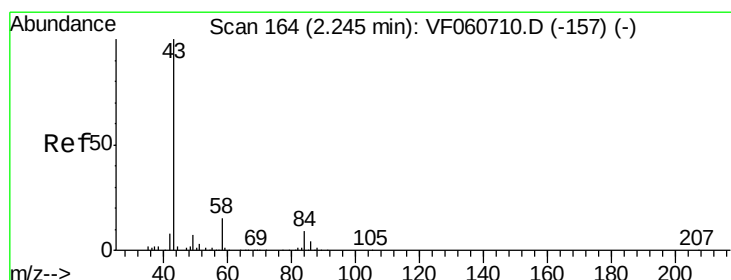
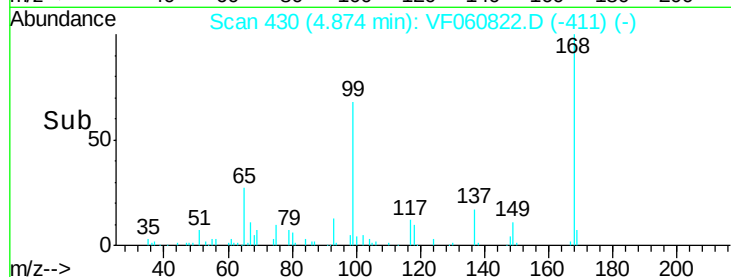
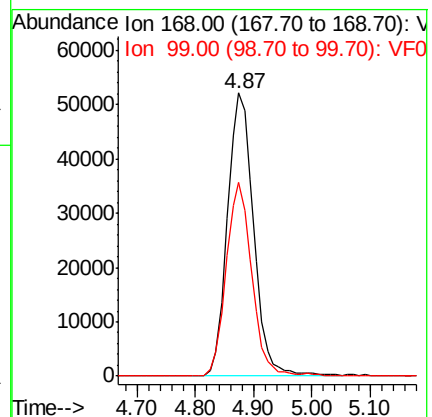
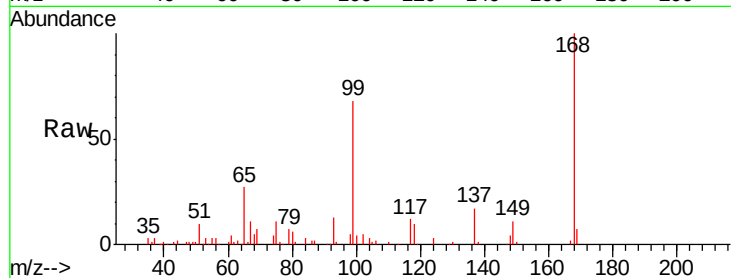
99 68.4 57.2 85.8

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#16

Acetone

Concen: 296.42 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF060822.D

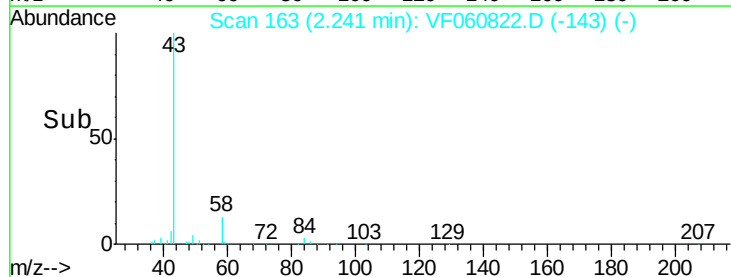
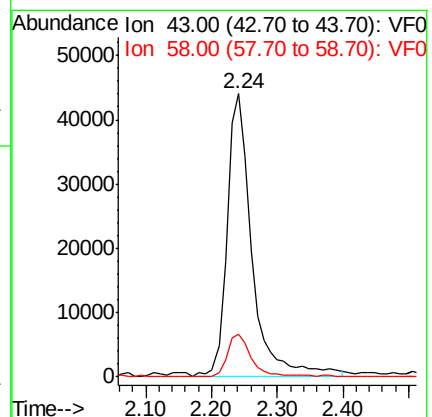
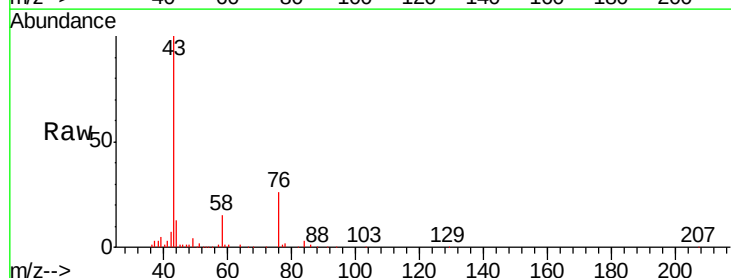
Acq: 21 Nov 2018 00:26

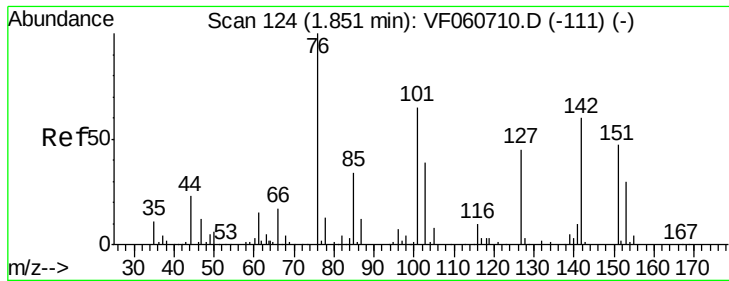
Tgt Ion: 43 Resp: 117618

Ion Ratio Lower Upper

43 100

58 14.9 11.6 17.4





#17

Carbon Disulfide

Concen: 5197.83 ug/l m

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA_F

ClientSampleId :

DTW-03(8-10)

Tgt Ion: 76 Resp:20859441

Ion Ratio Lower Upper

76 100

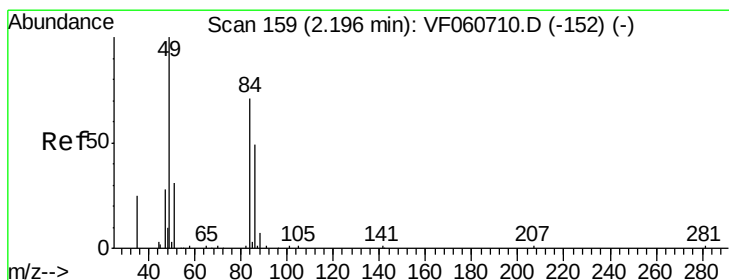
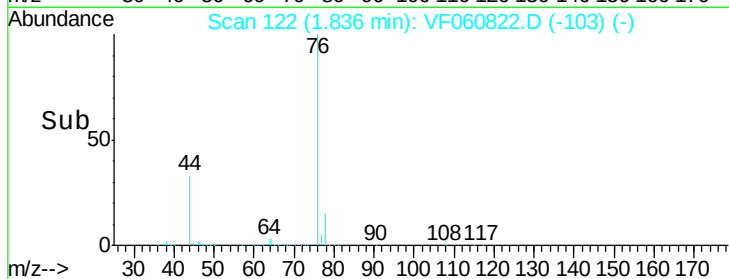
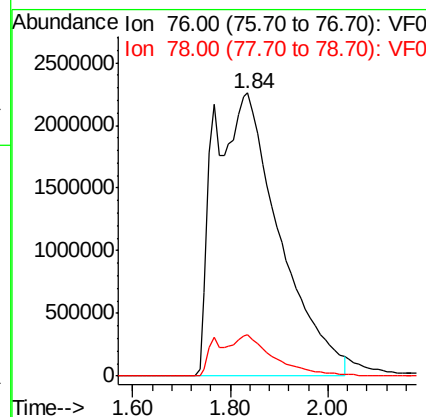
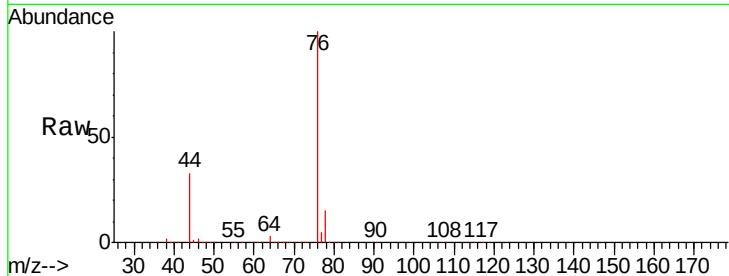
78 14.9 10.5 15.7

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#20

Methylene Chloride

Concen: 4.09 ug/l m

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Tgt Ion: 84 Resp: 8863

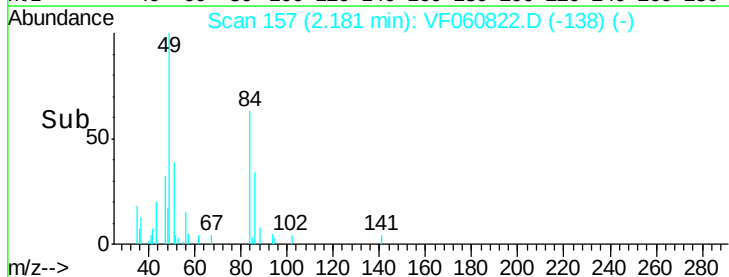
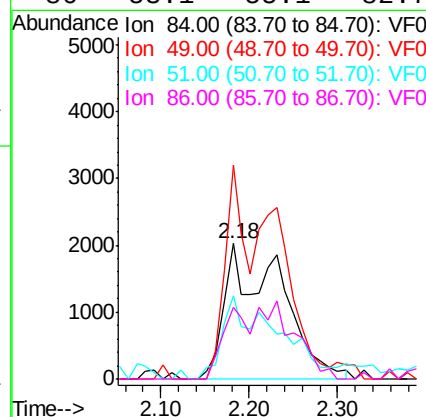
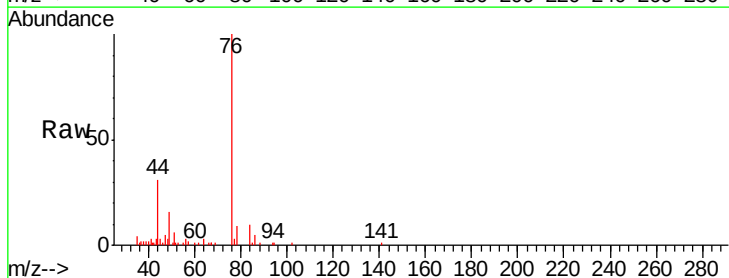
Ion Ratio Lower Upper

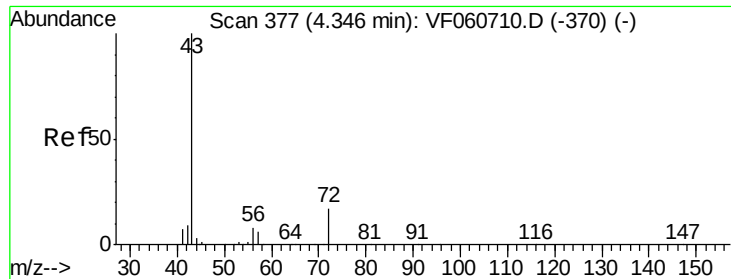
84 100

49 157.6 120.2 180.4

51 61.3 37.2 55.8#

86 53.1 55.1 82.7#





#25

2-Butanone

Concen: 78.55 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA_F

ClientSampleId :

DTW-03(8-10)

Tgt Ion: 43 Resp: 51266

Ion Ratio Lower Upper

43 100

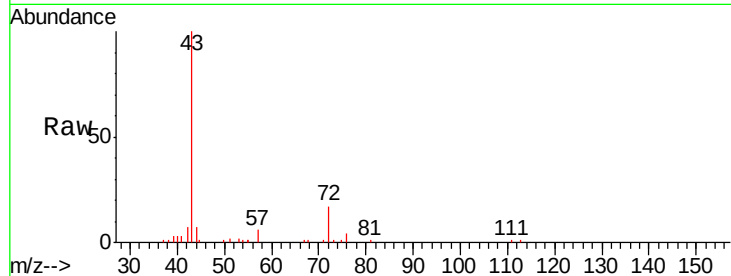
72 16.9 16.1 24.1

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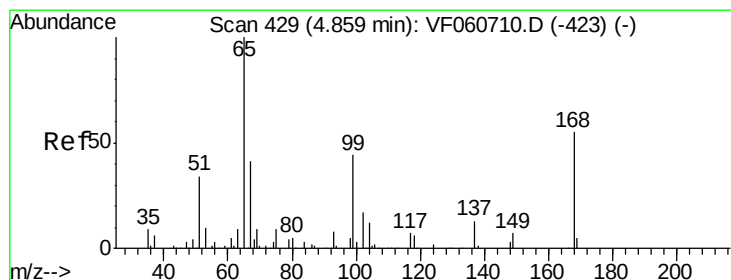
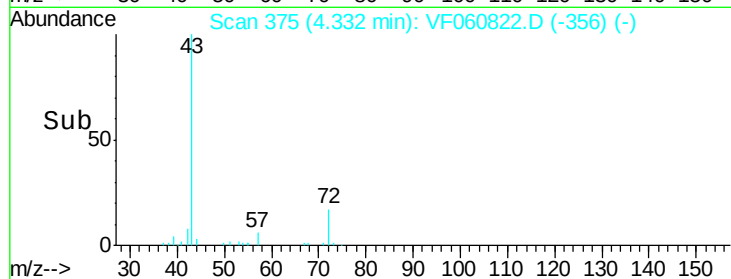
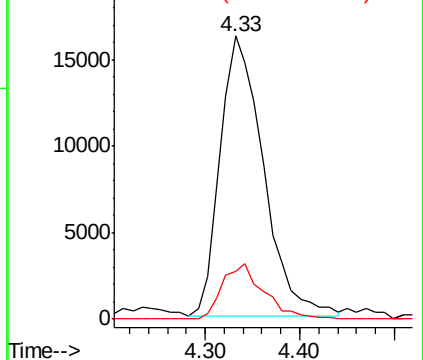
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 48.72 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF060822.D

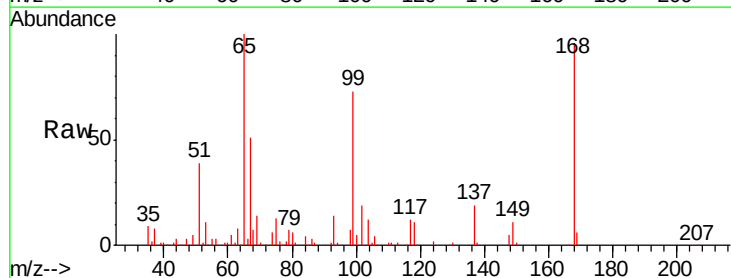
Acq: 21 Nov 2018 00:26

Tgt Ion: 65 Resp: 90450

Ion Ratio Lower Upper

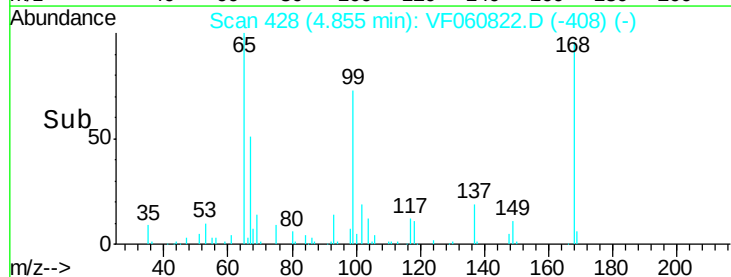
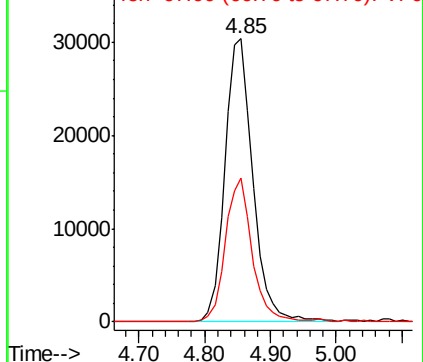
65 100

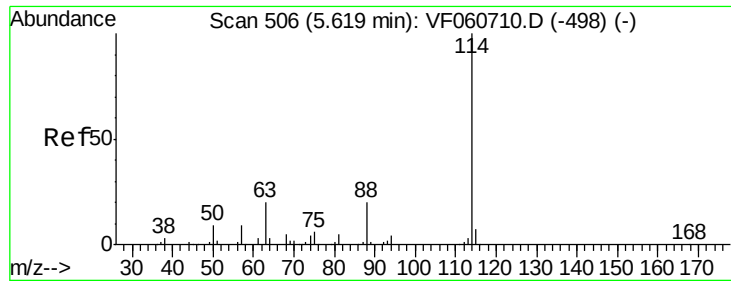
67 50.9 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





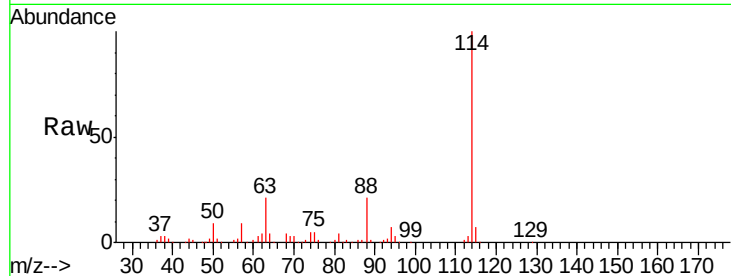
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.01 min
Lab File: VF060822.D
Acq: 21 Nov 2018 00:26

Instrument :
MSVOA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	269110		
63	21.3	0.0	40.8	
88	21.4	0.0	39.6	

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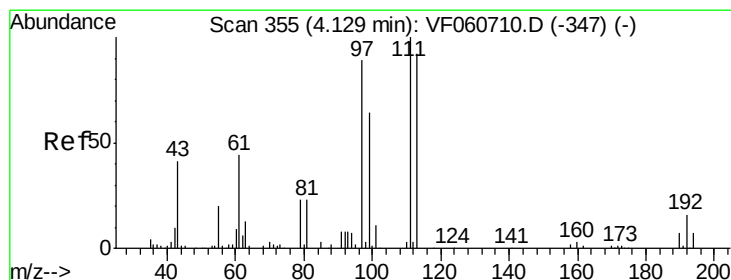
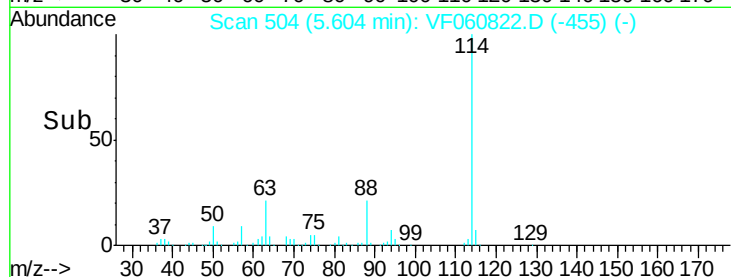
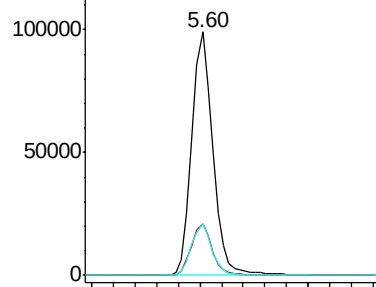
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Abundance Ion 114.00 (113.70 to 114.70): V

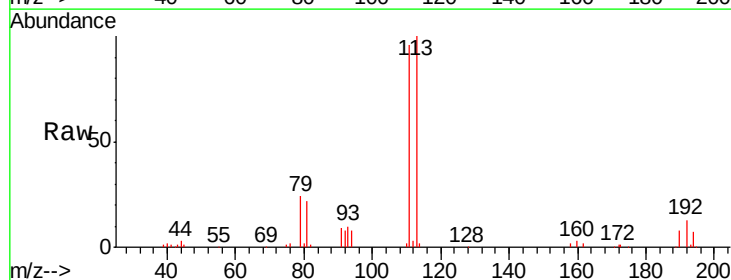
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35
Dibromofluoromethane
Concen: 48.38 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF060822.D
Acq: 21 Nov 2018 00:26

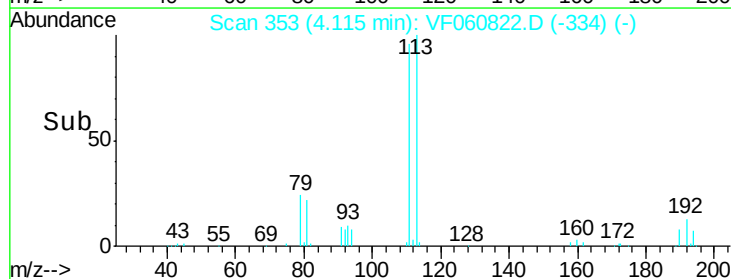
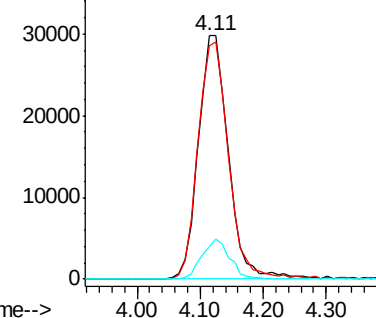
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	97858		
111	95.9	87.1	130.7	
192	13.3	13.8	20.6	

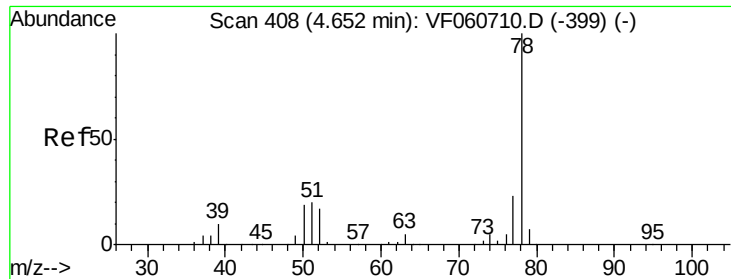


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#40

Benzene

Concen: 38.75 ug/l

RT: 4.64 min Scan# 406

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA_F

ClientSampleId :

DTW-03(8-10)

Tgt Ion: 78 Resp: 269616

Ion Ratio Lower Upper

78 100

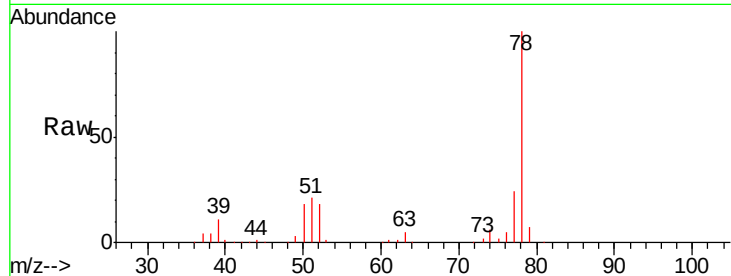
77 24.0 18.6 28.0

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Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.64

80000

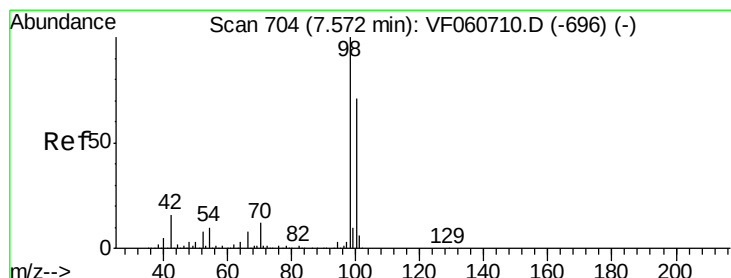
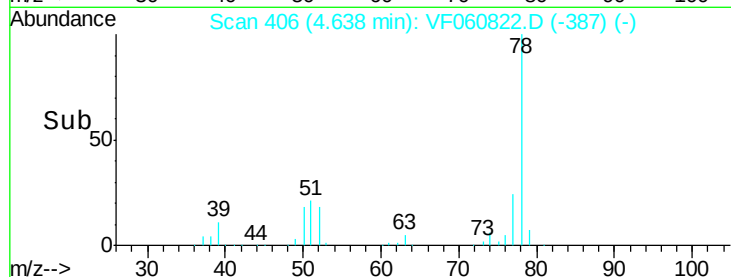
60000

40000

20000

0

Time-->



#50

Toluene-d8

Concen: 41.86 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060822.D

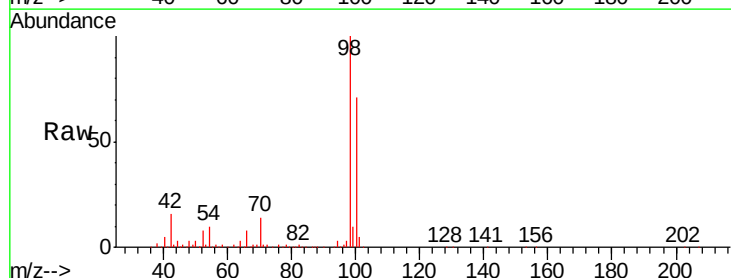
Acq: 21 Nov 2018 00:26

Tgt Ion: 98 Resp: 220401

Ion Ratio Lower Upper

98 100

100 70.9 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.56

100000

80000

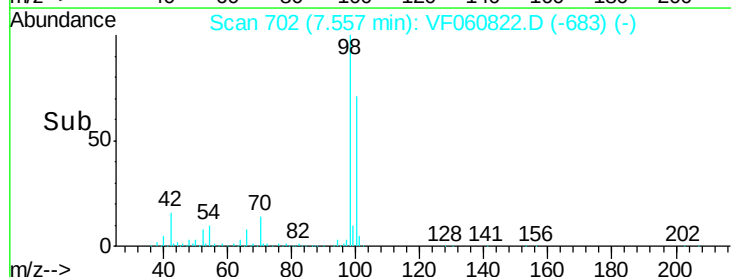
60000

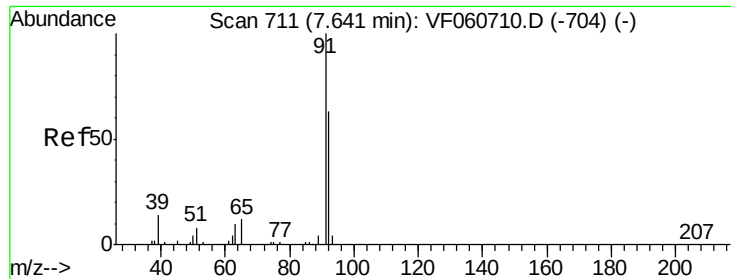
40000

20000

0

Time-->





#52

Toluene

Concen: 53.04 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA_F

ClientSampleId :

DTW-03(8-10)

Tgt Ion: 92 Resp: 247296

Ion Ratio Lower Upper

92 100

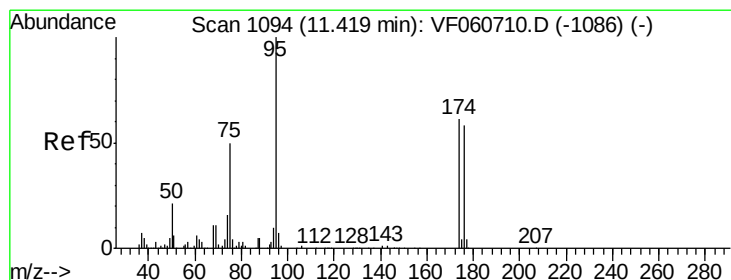
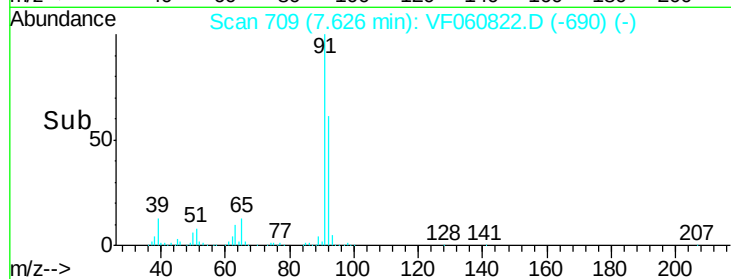
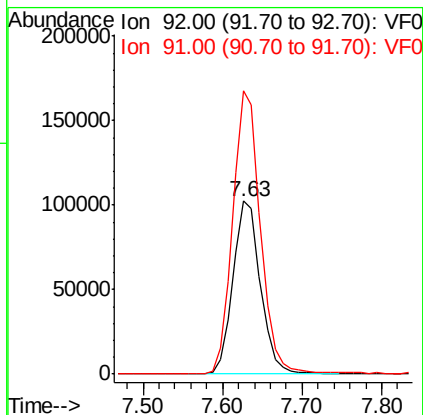
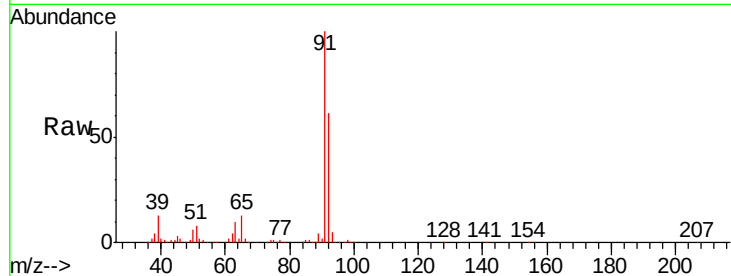
91 163.6 126.7 190.1

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#62

4-Bromofluorobenzene

Concen: 28.83 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

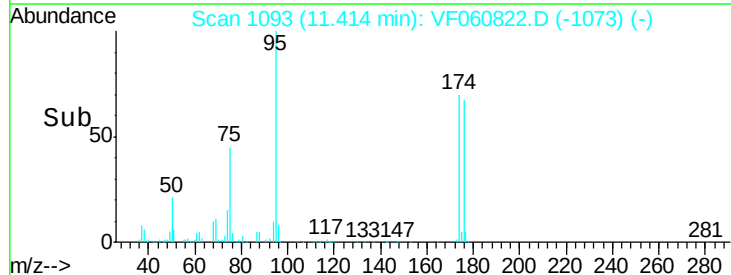
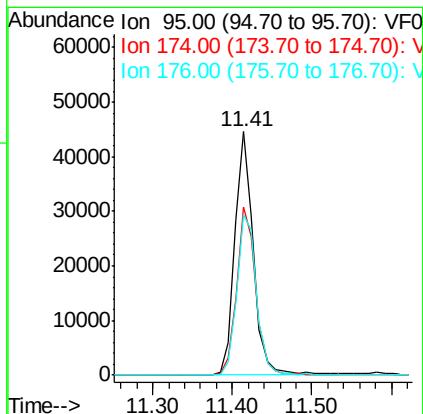
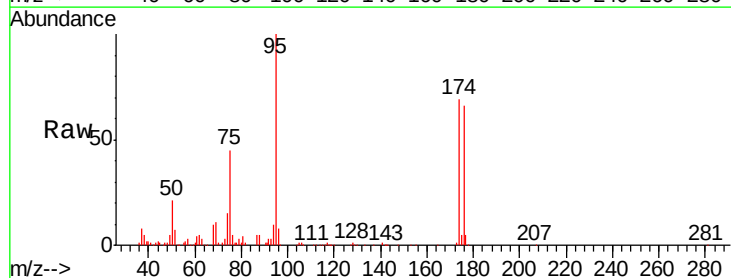
Tgt Ion: 95 Resp: 73108

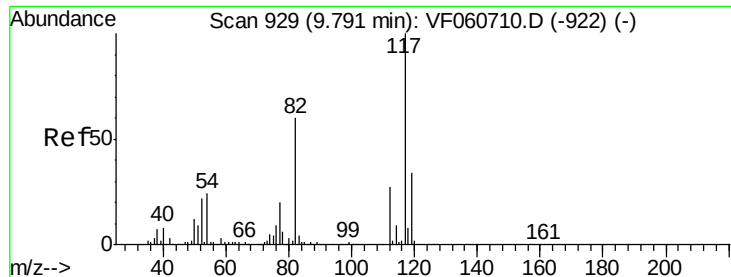
Ion Ratio Lower Upper

95 100

174 69.0 0.0 121.6

176 65.9 0.0 115.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.78 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA_F

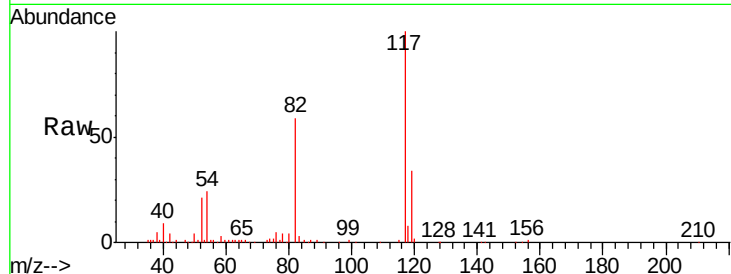
ClientSampleId :

DTW-03(8-10)

Tgt Ion:	117	Resp:	176066
Ion Ratio		Lower	Upper
117	100		
82	58.7	47.9	71.9
119	33.5	26.8	40.2

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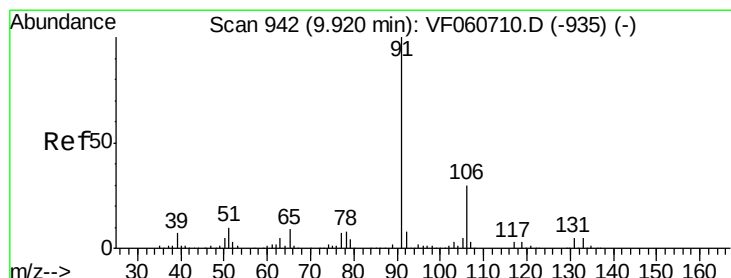
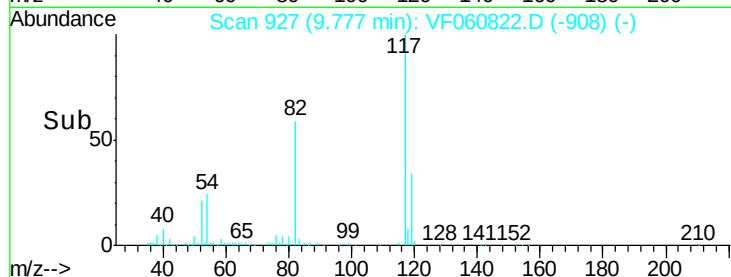
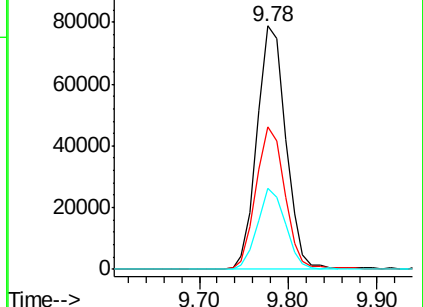
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 145.37 ug/l

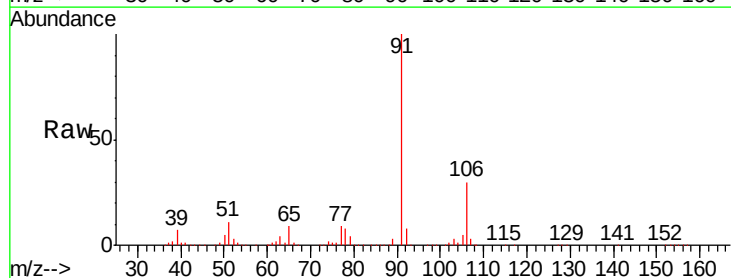
RT: 9.91 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF060822.D

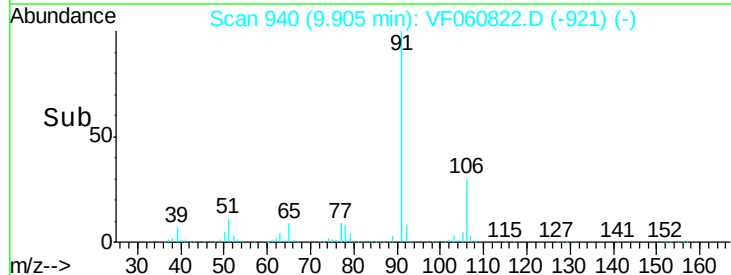
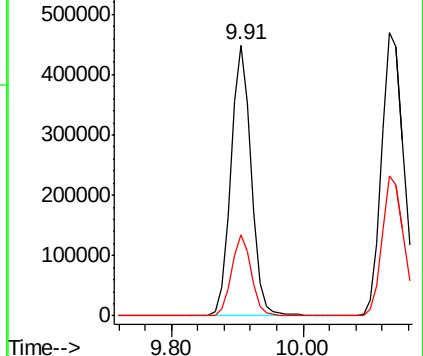
Acq: 21 Nov 2018 00:26

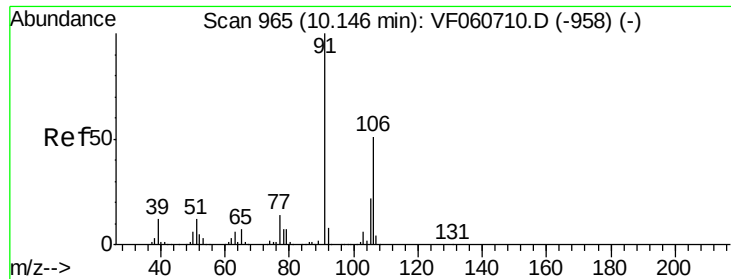
Tgt Ion:	91	Resp:	973510
Ion Ratio		Lower	Upper
91	100		
106	29.9	23.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





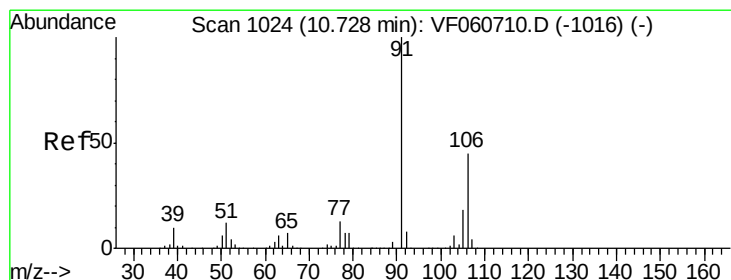
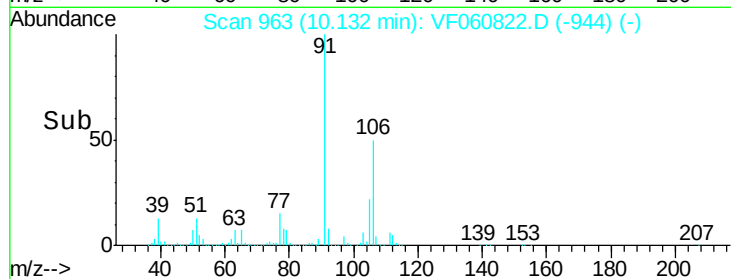
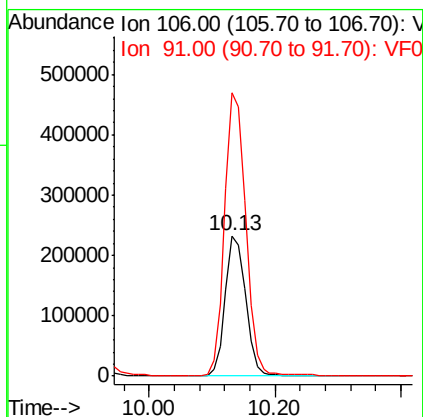
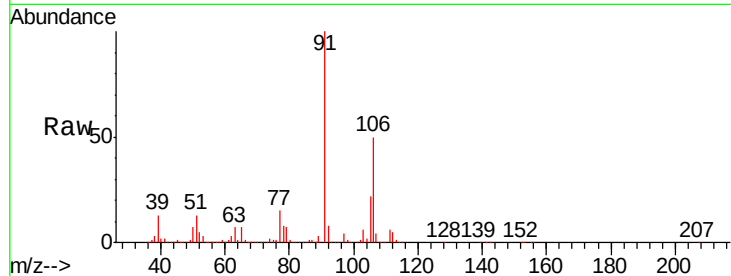
#68
m/p-Xylenes
Concen: 220.54 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF060822.D
Acq: 21 Nov 2018 00:26

Instrument :
MSVOA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:106 Resp: 527822
Ion Ratio Lower Upper
106 100
91 201.7 158.2 237.2

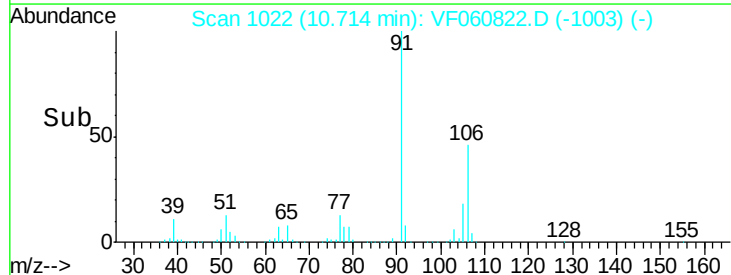
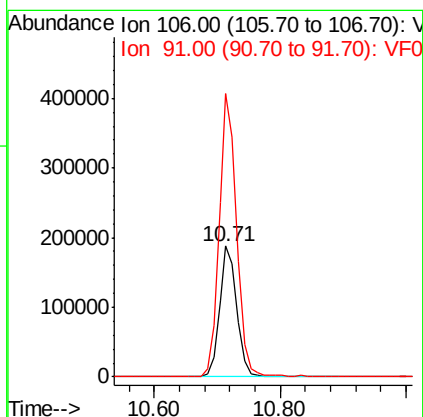
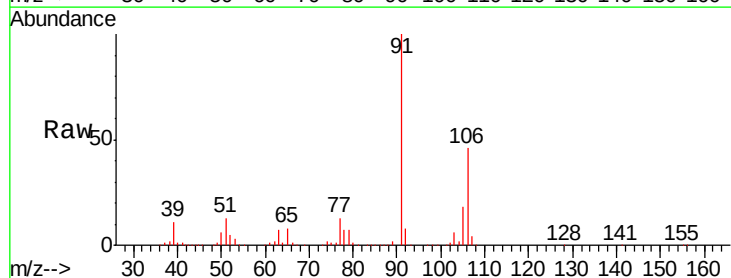
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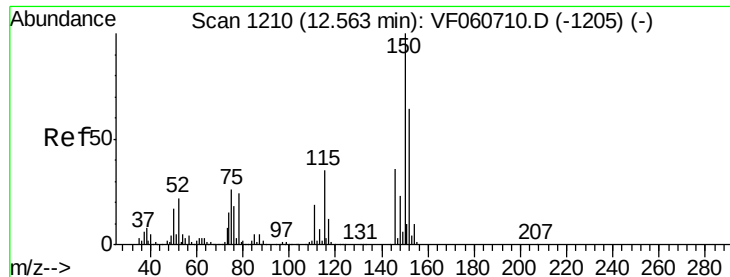
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#69
o-Xylene
Concen: 133.69 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF060822.D
Acq: 21 Nov 2018 00:26

Tgt Ion:106 Resp: 359732
Ion Ratio Lower Upper
106 100
91 216.5 110.3 330.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA_F

ClientSampleId :

DTW-03(8-10)

Tgt Ion:152 Resp: 62609

Ion Ratio Lower Upper

152 100

115 53.6 27.9 83.7

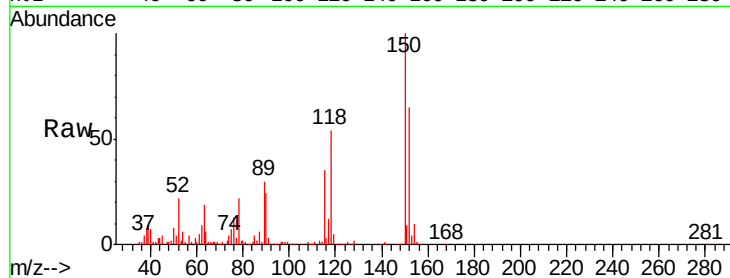
150 153.3 0.0 316.4

Manual Integrations

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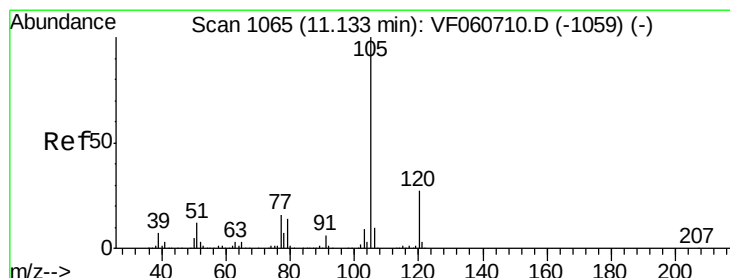
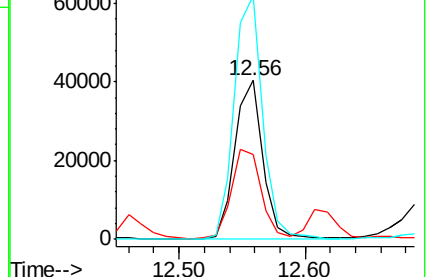
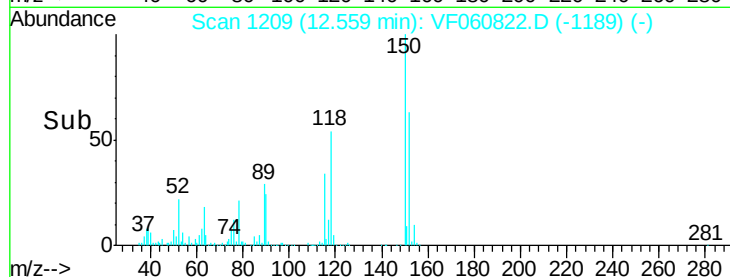


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

Time-->



#73

Isopropylbenzene

Concen: 5.40 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF060822.D

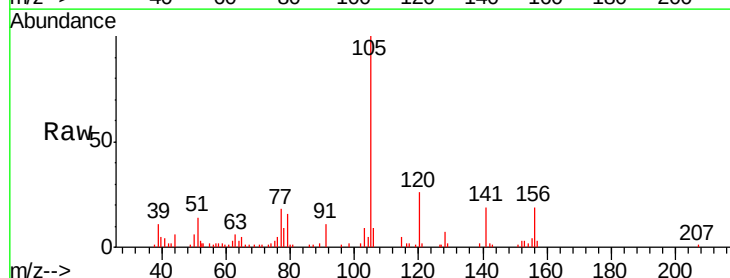
Acq: 21 Nov 2018 00:26

Tgt Ion:105 Resp: 27233

Ion Ratio Lower Upper

105 100

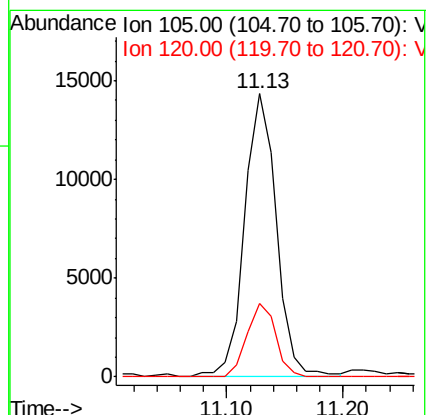
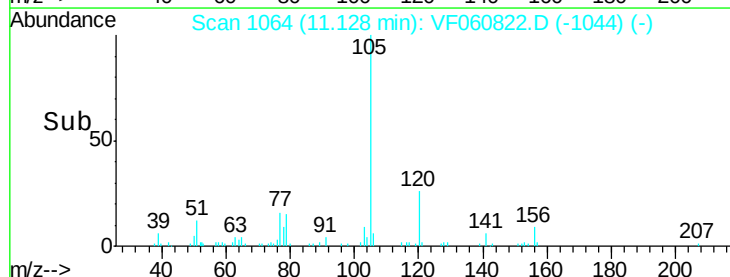
120 25.7 13.4 40.1

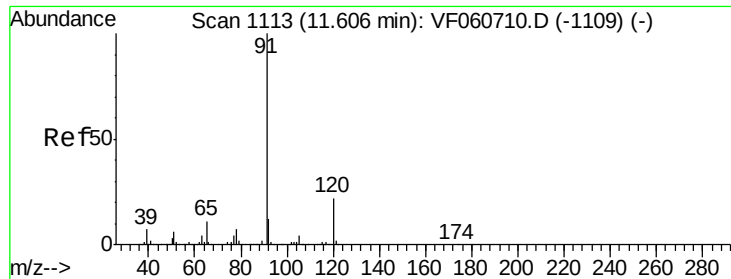


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->





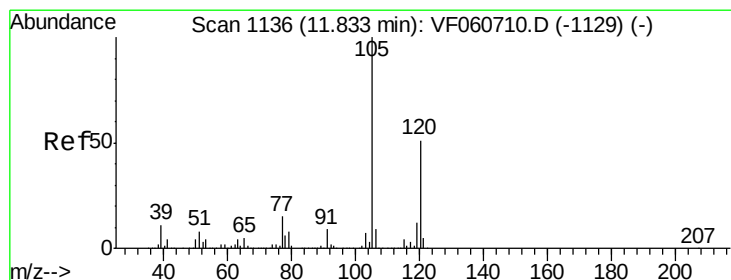
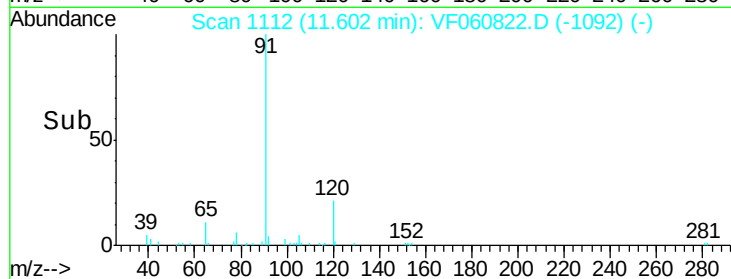
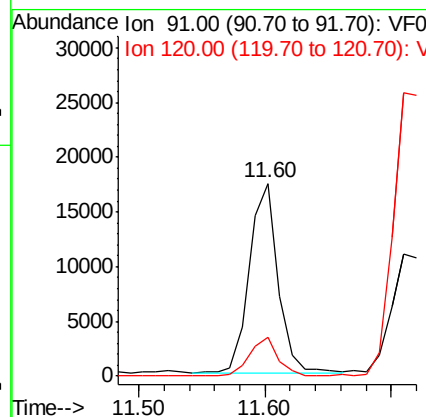
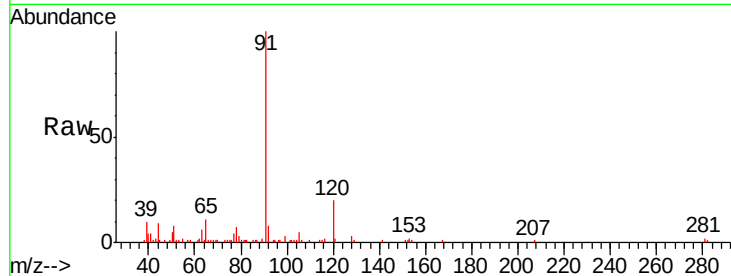
#78
n-propylbenzene
Concen: 4.69 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF060822.D
Acq: 21 Nov 2018 00:26

Instrument :
MSVOA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.3	11.2	33.5

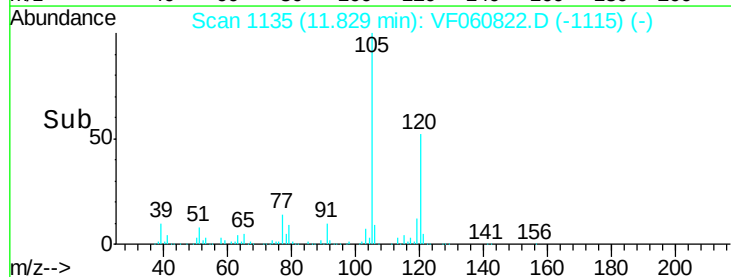
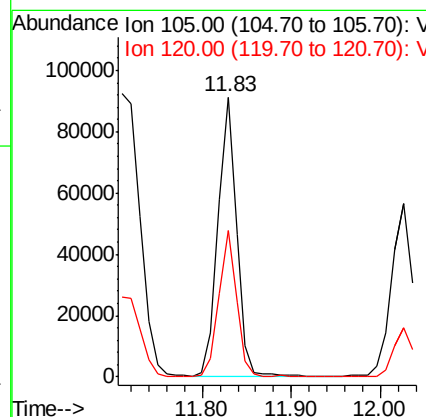
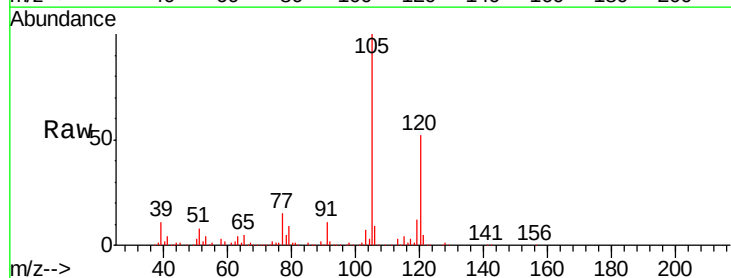
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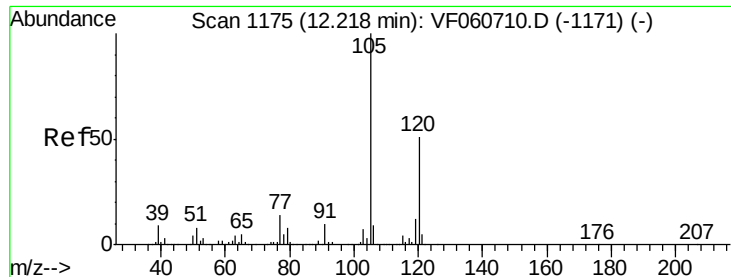
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#80
1,3,5-Trimethylbenzene
Concen: 33.32 ug/l
RT: 11.83 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VF060822.D
Acq: 21 Nov 2018 00:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.2	25.6	76.8





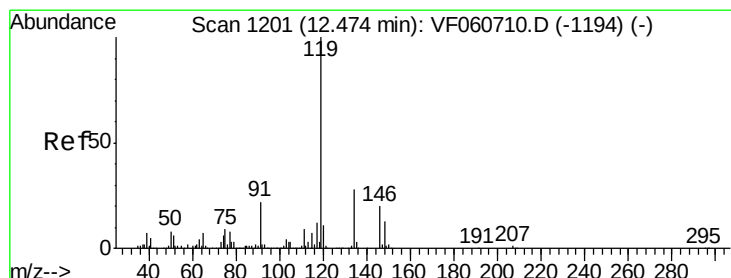
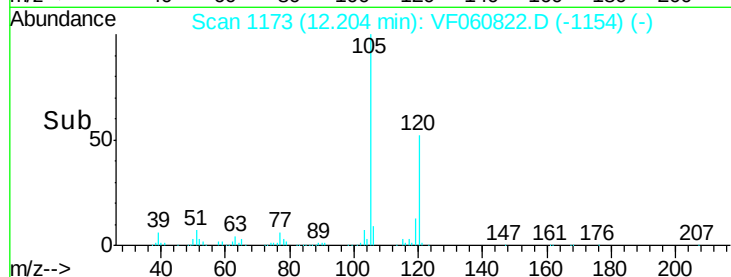
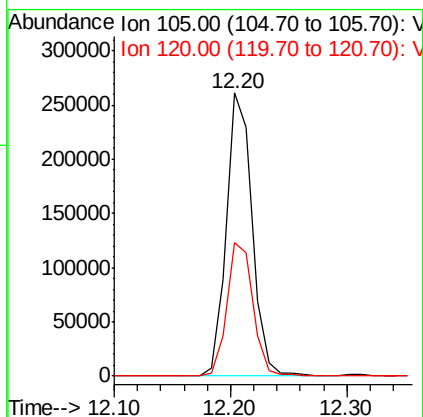
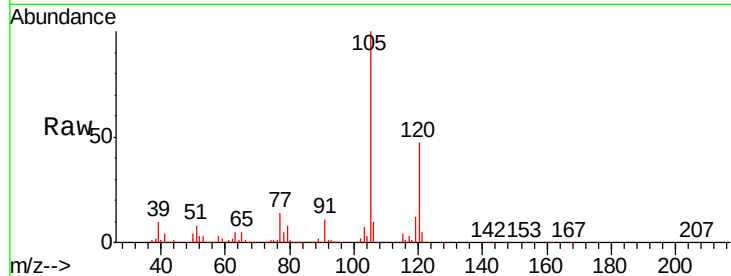
#84
 1,2,4-Trimethylbenzene
 Concen: 97.13 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF060822.D
 Acq: 21 Nov 2018 00:26

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-03(8-10)

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	25.5	76.5

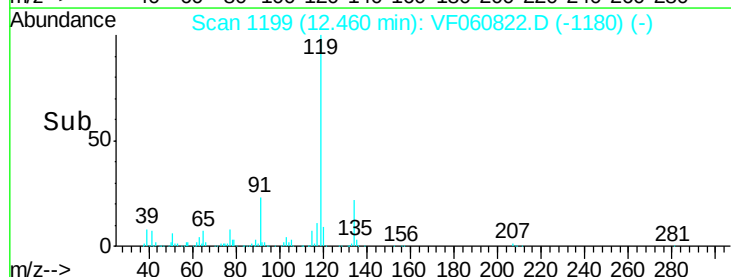
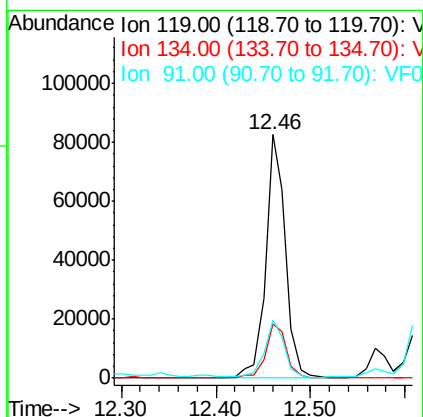
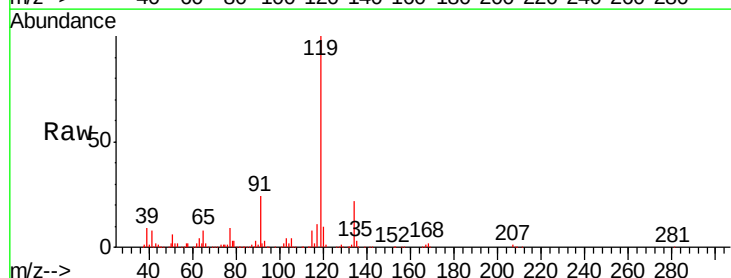
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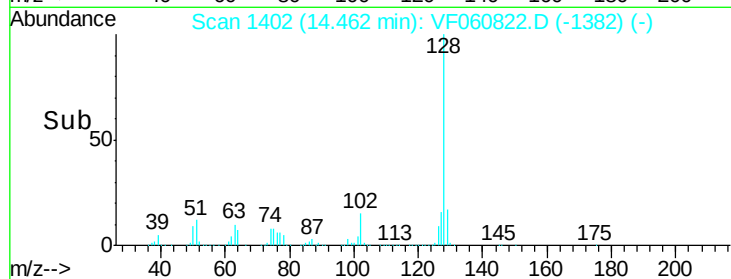
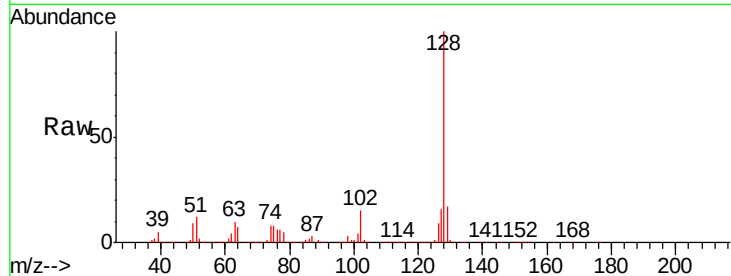
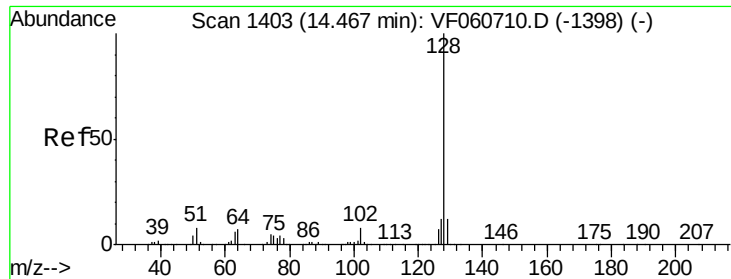
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#86
 p-Isopropyltoluene
 Concen: 25.01 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF060822.D
 Acq: 21 Nov 2018 00:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.1	13.9	41.7
91	23.8	11.3	33.9





#95
Naphthalene
Concen: 1962.82 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF060822.D
Acq: 21 Nov 2018 00:26

Instrument :
MSVOA_F
ClientSampleId :
DTW-03(8-10)

Tgt Ion:128 Resp: 5059901
Ion Ratio Lower Upper
128 100
127 16.4 9.8 14.6#
129 17.4 9.3 13.9#

Manual Integrations
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