

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060427.D
 Acq On : 3 Oct 2018 21:02
 Operator : VA/AP
 Sample : J5194-01
 Misc : 6.52/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-A

Manual Integrations
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Quant Time: Oct 04 06:52:31 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	5.03	168	148288	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	263555	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	140541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	85232	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	164493	70.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	141.78%	
35) Dibromofluoromethane	4.27	113	146565	59.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.40%	
50) Toluene-d8	7.69	98	214671	35.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.42%	
62) 4-Bromofluorobenzene	11.50	95	130927	47.03	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.06%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	2.27	84	24246m	9.844	ug/l	
39) Methylcyclohexane	5.61	83	17661	5.544	ug/l #	84
52) Toluene	7.77	92	9889	2.257	ug/l	92
68) m/p-Xylenes	10.24	106	10277	5.446	ug/l #	62
69) o-Xylene	10.81	106	370667	180.208	ug/l	91
78) n-propylbenzene	11.68	91	31429	3.863	ug/l	89
80) 1,3,5-Trimethylbenzene	11.91	105	861163	151.037	ug/l	95
83) tert-Butylbenzene	12.20	119	13859	2.464	ug/l	76
84) 1,2,4-Trimethylbenzene	12.28	105	19506m	3.450	ug/l	
85) sec-Butylbenzene	12.38	105	69717	8.981	ug/l	96
86) p-Isopropyltoluene	12.50	119	346905	54.702	ug/l	99

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

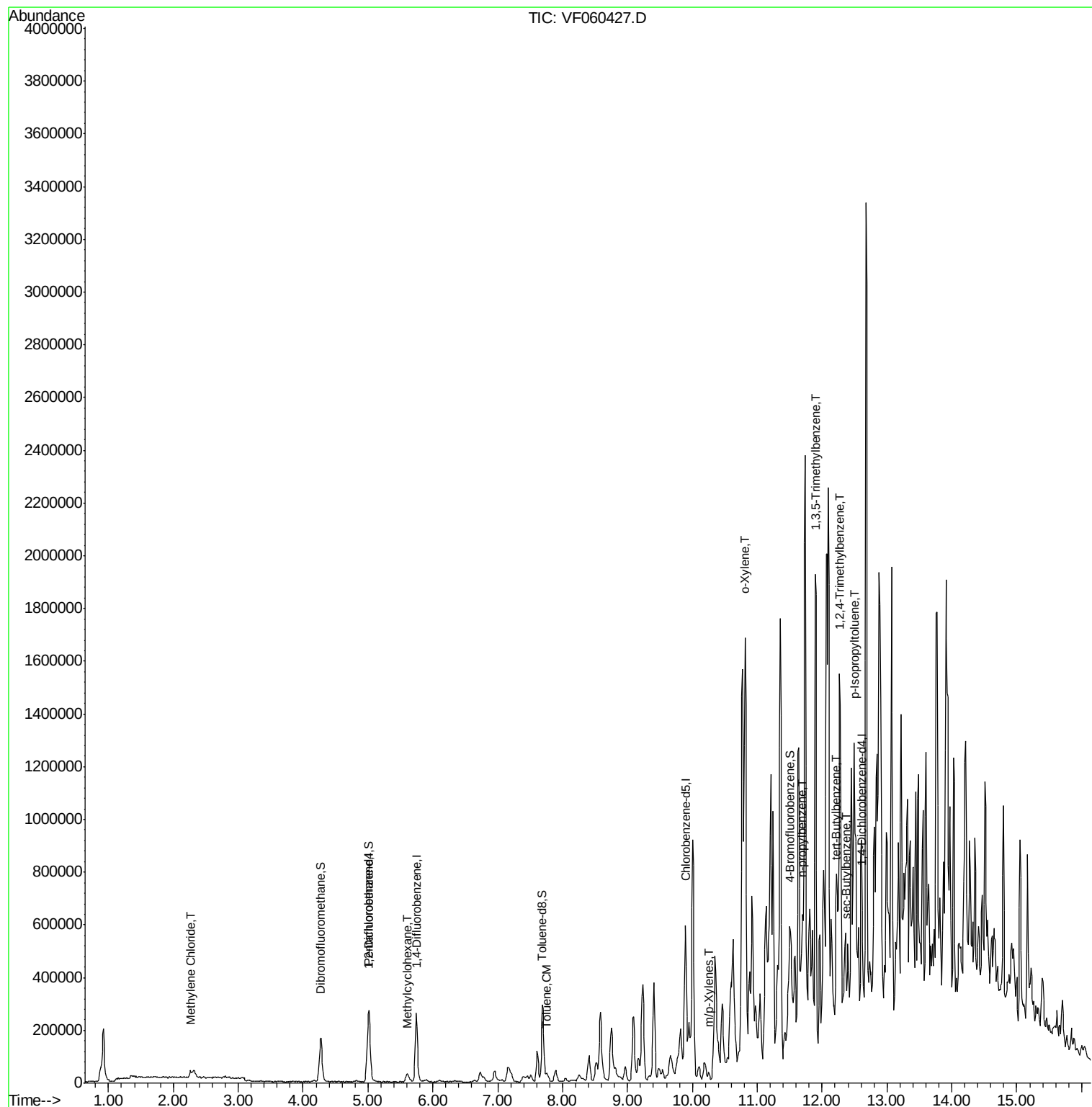
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060427.D
Acq On : 3 Oct 2018 21:02
Operator : VA/AP
Sample : J5194-01
Misc : 6.52/5mL/MSVOA F/SOIL
ALS Vial : 41 Sample Multiplier: 1

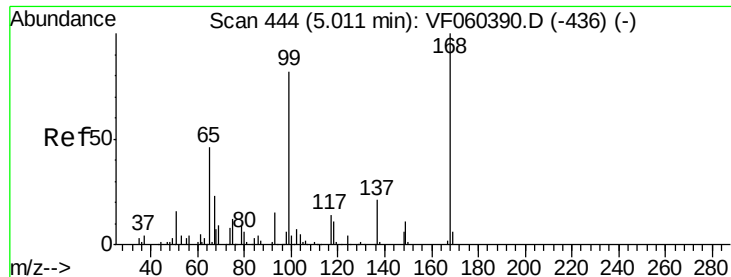
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-A

Quant Time: Oct 04 06:52:31 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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-A

Tot Ion:168 Resp: 148288

Ion Ratio Lower Upper

168 100

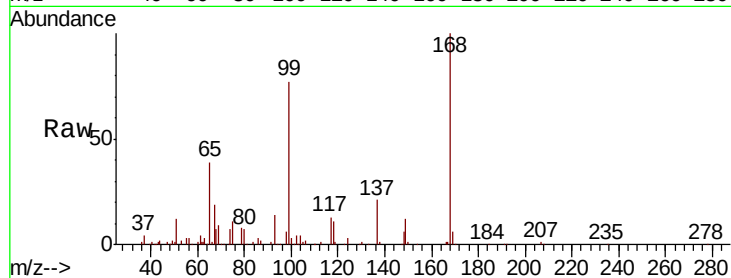
99 77.1 65.3 97.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

40000

30000

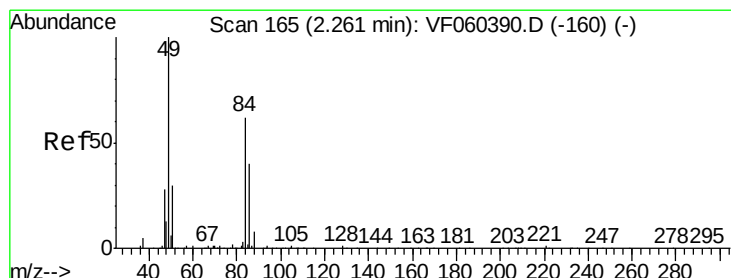
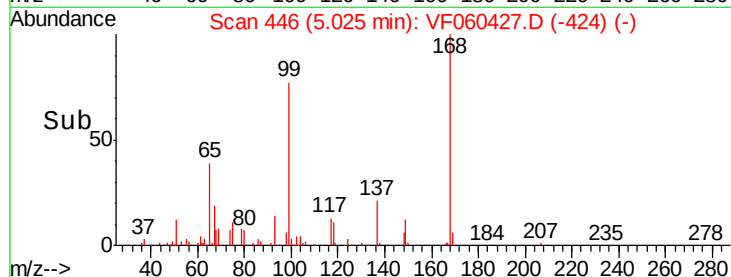
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 9.844 ug/l m

RT: 2.27 min Scan# 166

Delta R.T. 0.00 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Tgt Ion: 84 Resp: 24246

Ion Ratio Lower Upper

84 100

49 173.2 130.2 195.2

51 66.9 41.0 61.6#

86 60.4 51.5 77.3

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

12000

10000

8000

6000

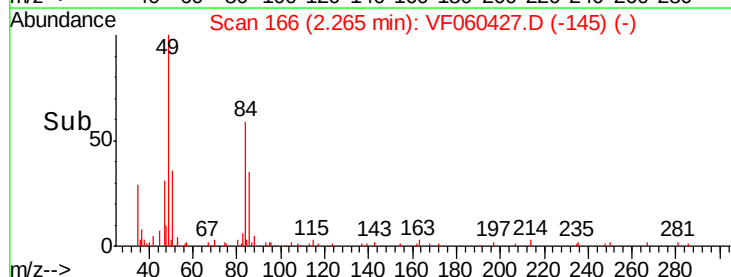
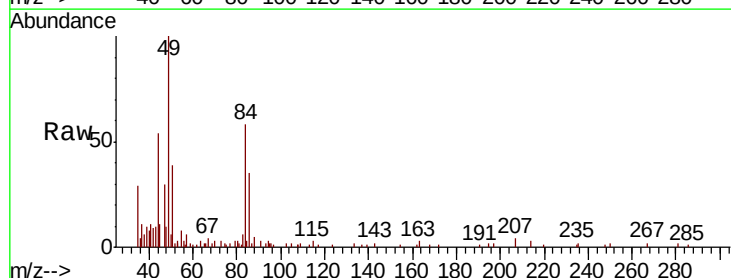
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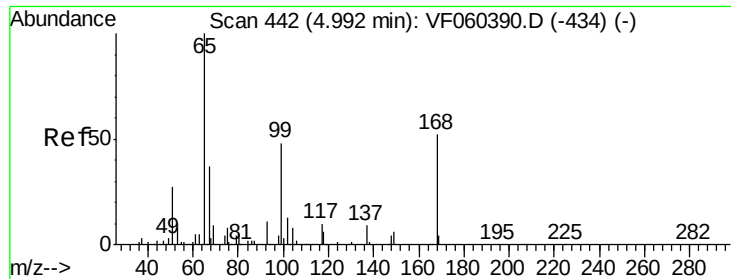
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0

2.20 2.30 2.40

Time-->





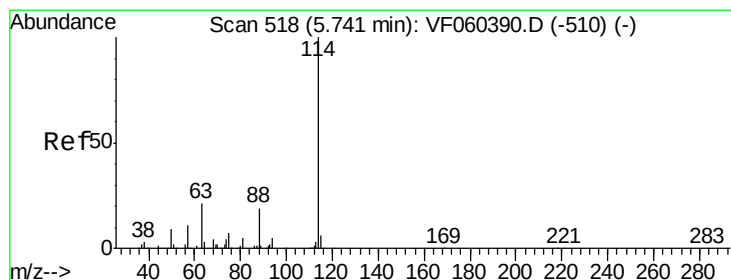
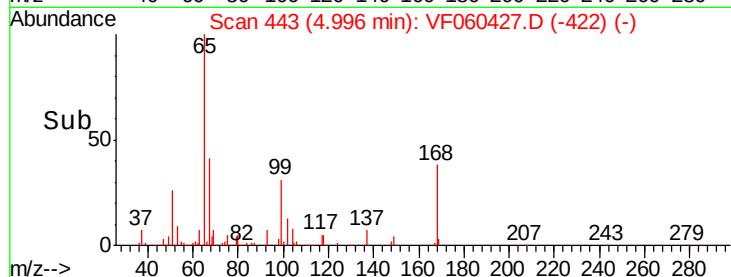
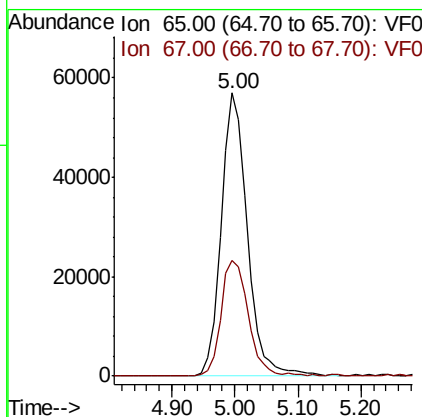
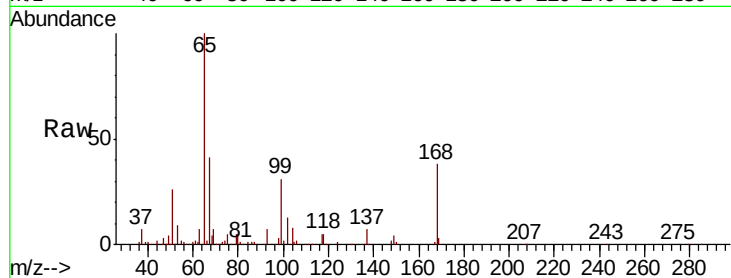
#33
 1,2-Dichloroethane-d4
 Concen: 70.891 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-A

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164493		
67	40.7	0.0	89.4	

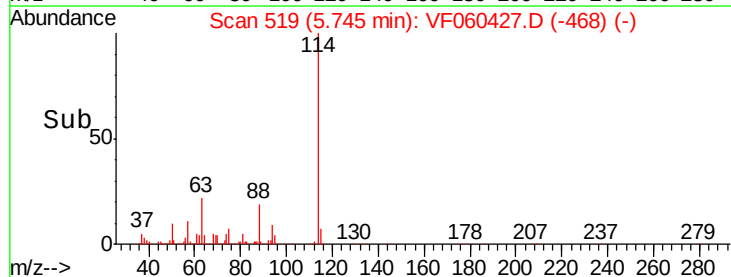
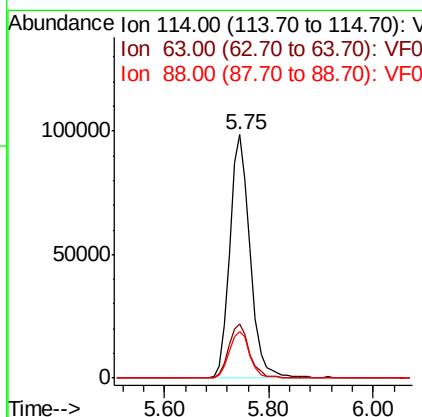
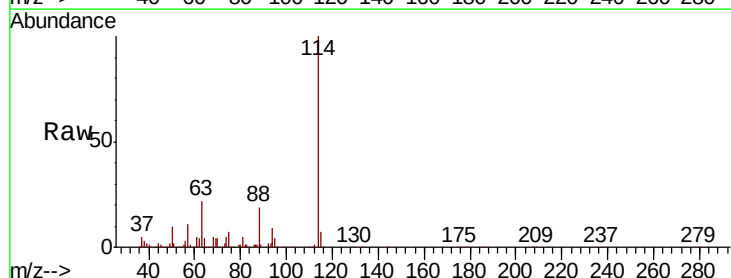
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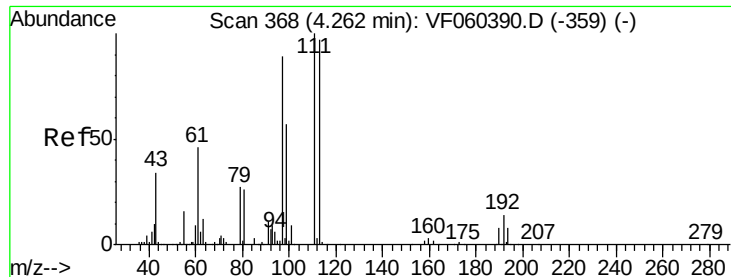
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	263555		
63	22.2	0.0	42.2	
88	19.2	0.0	38.8	





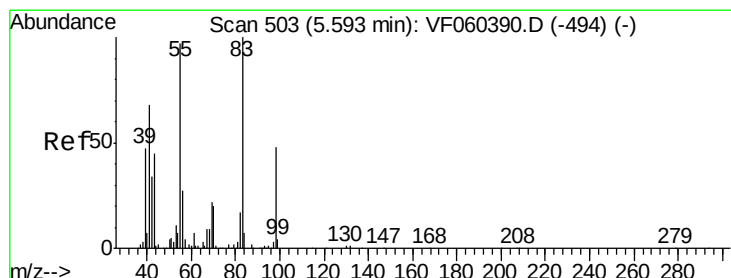
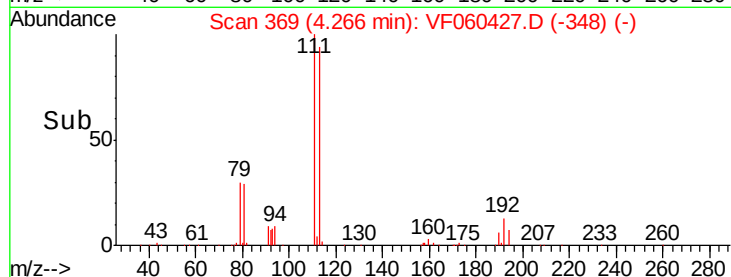
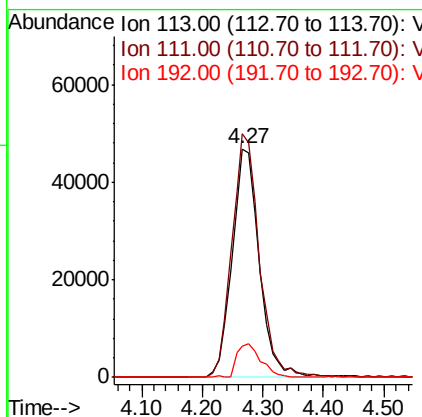
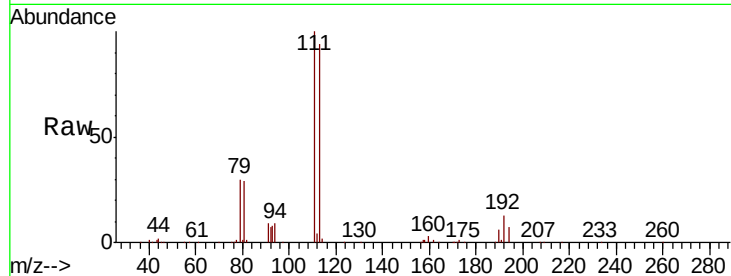
#35
 Dibromofluoromethane
 Concen: 59.196 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-A

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146565		
111	106.6	82.3	123.5	
192	13.5	11.8	17.6	

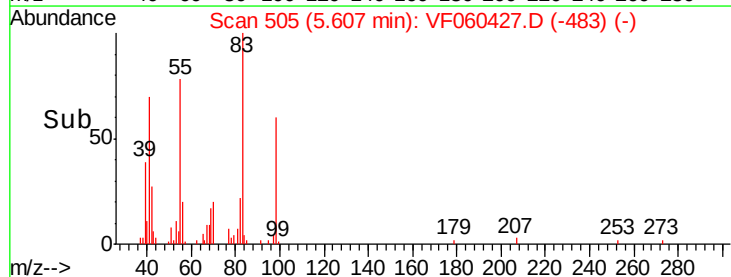
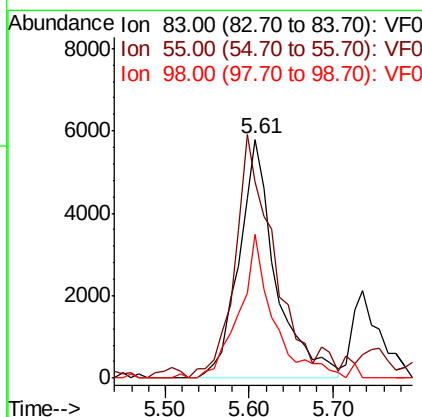
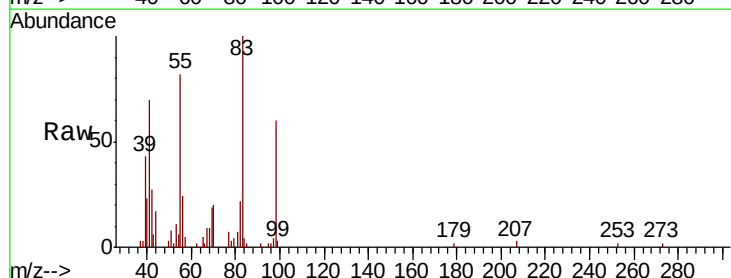
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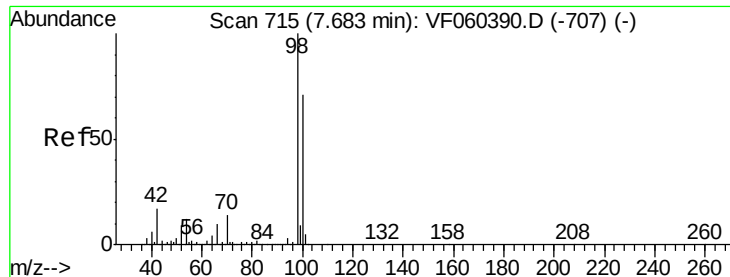
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#39
 Methylcyclohexane
 Concen: 5.544 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	17661		
55	82.0	77.5	116.3	
98	60.4	38.7	58.1#	





#50

Toluene-d8

Concen: 35.205 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-A

Tot Ion: 98 Resp: 214671

Ion Ratio Lower Upper

98 100

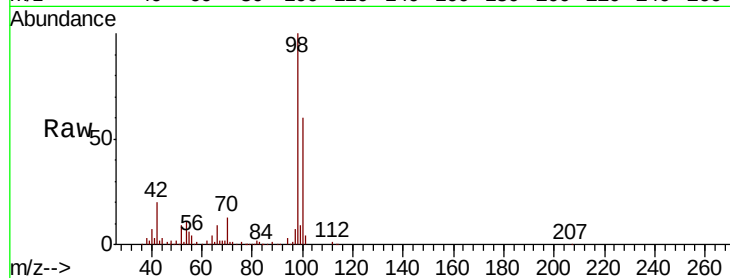
100 60.4 56.5 84.7

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

100000

80000

60000

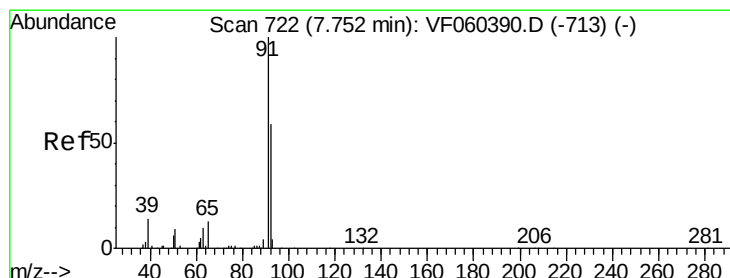
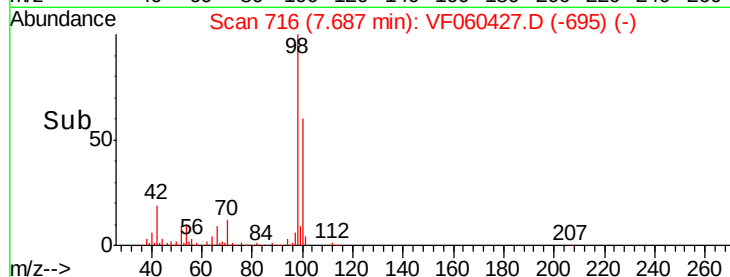
40000

20000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#52

Toluene

Concen: 2.257 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060427.D

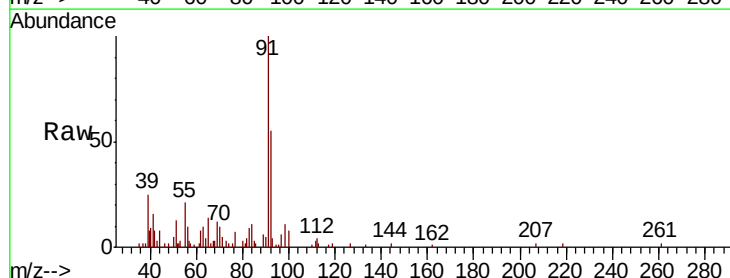
Acq: 3 Oct 2018 21:02

Tgt Ion: 92 Resp: 9889

Ion Ratio Lower Upper

92 100

91 180.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

10000

8000

6000

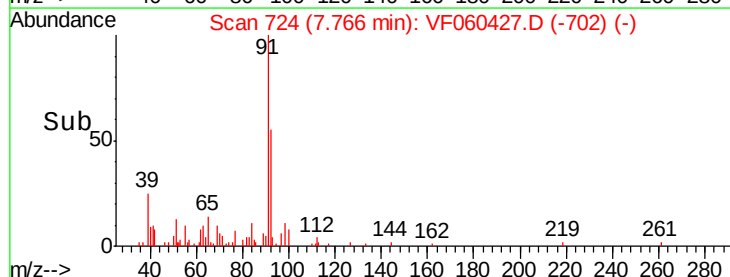
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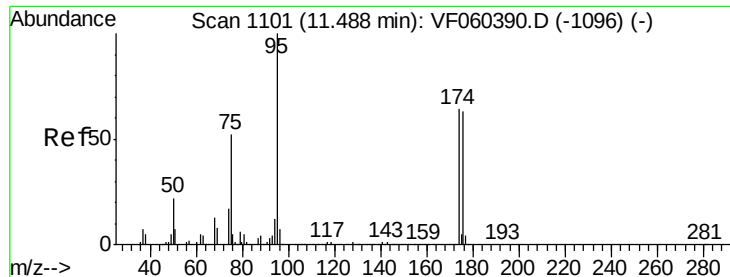
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0

7.65 7.70 7.75 7.80 7.85

Time-->





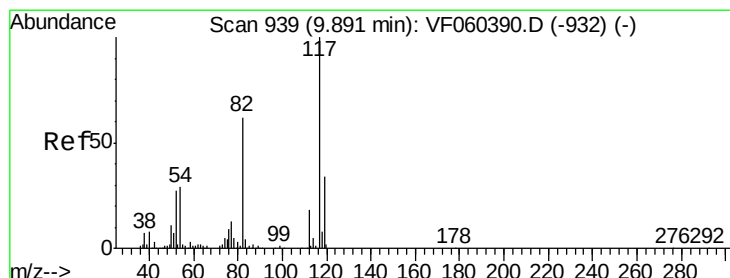
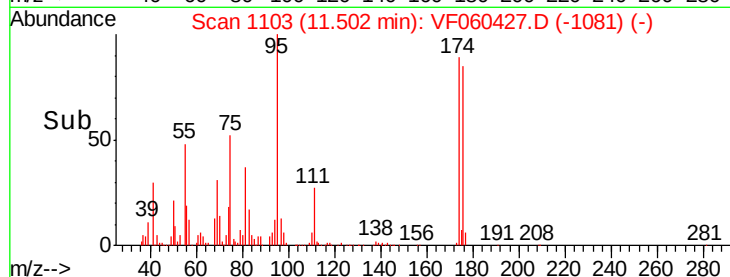
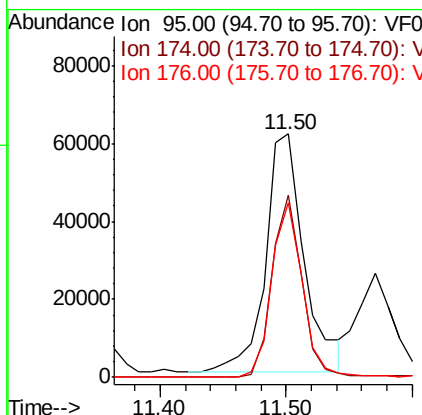
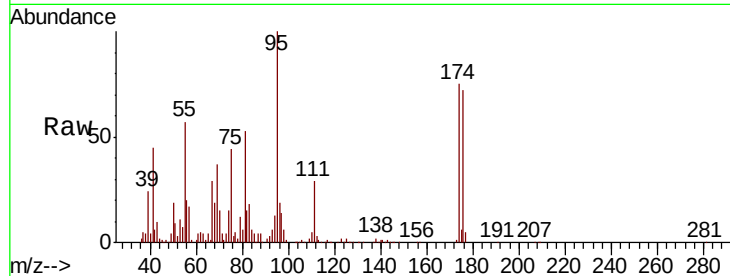
#62
4-Bromofluorobenzene
Concen: 47.025 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-A

Tot Ion	Ratio	Resp	Lower	Upper
95	100	130927		
174	74.8	0.0	129.0	
176	71.8	0.0	125.6	

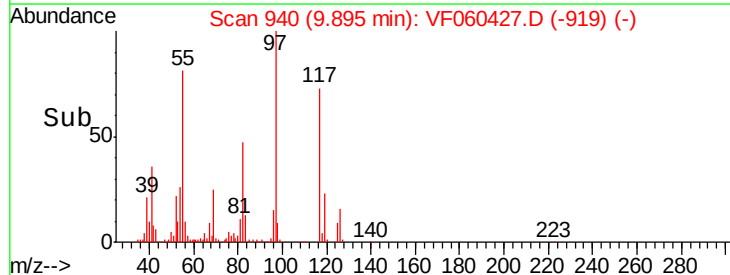
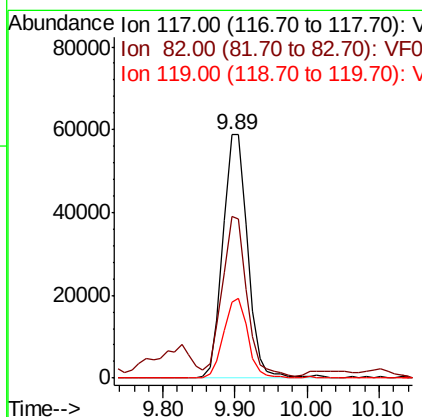
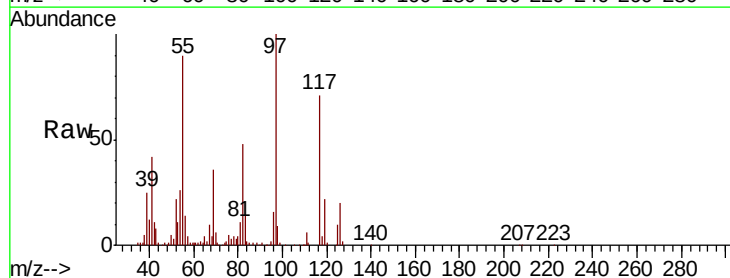
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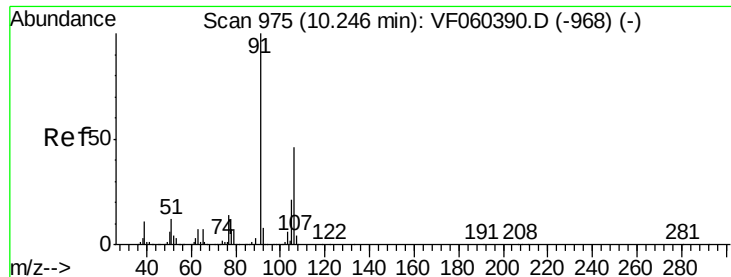
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	140541		
82	66.7	49.5	74.3	
119	31.1	27.0	40.6	





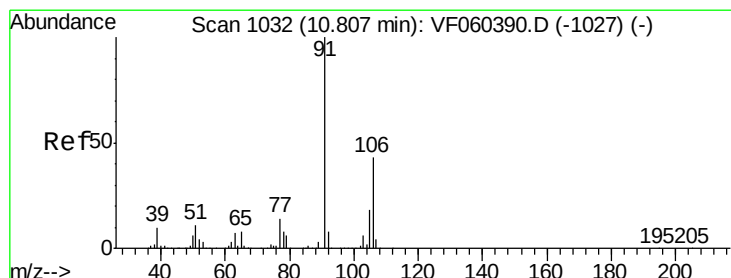
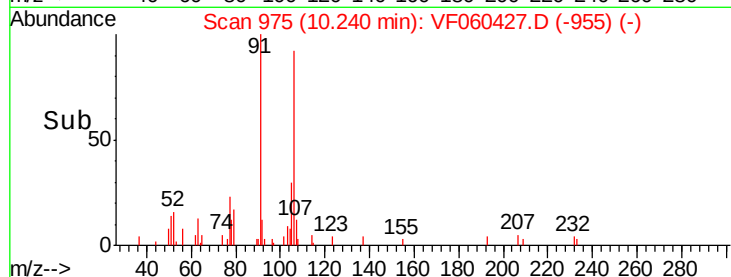
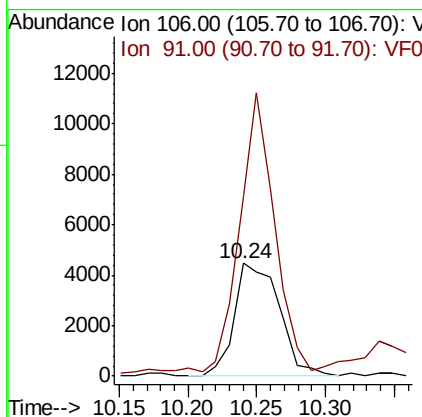
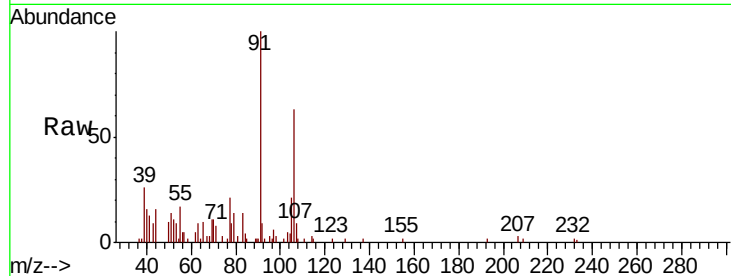
#68
m/p-Xylenes
Concen: 5.446 ug/l
RT: 10.24 min Scan# 975
Delta R.T. -0.01 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-A

Tot Ion	Ratio	Lower	Upper
106	100		
91	158.6	175.0	262.6#

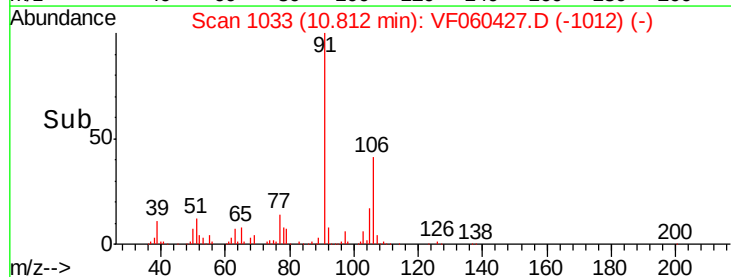
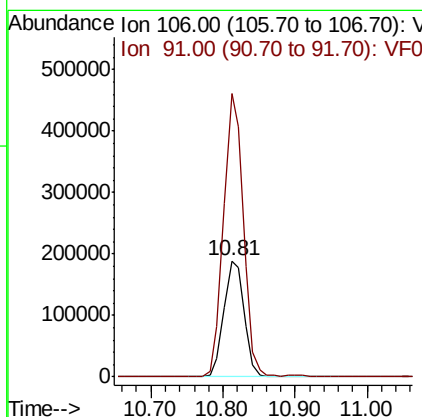
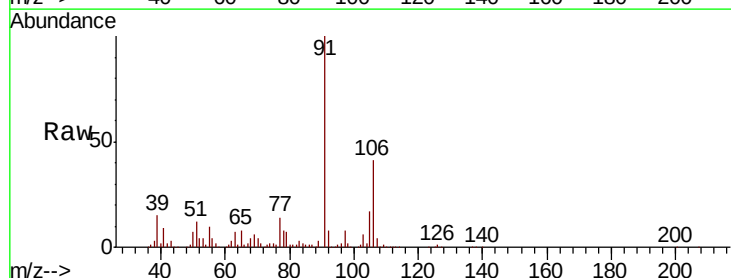
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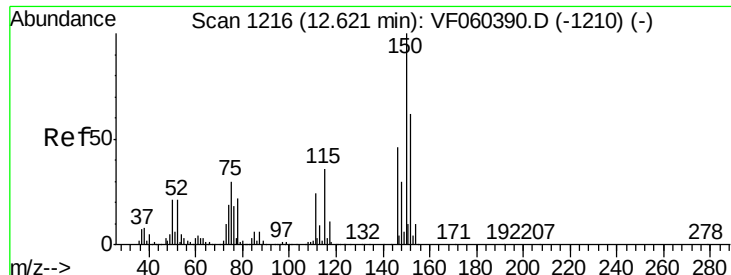
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#69
o-Xylene
Concen: 180.208 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	244.2	115.1	345.2





#72

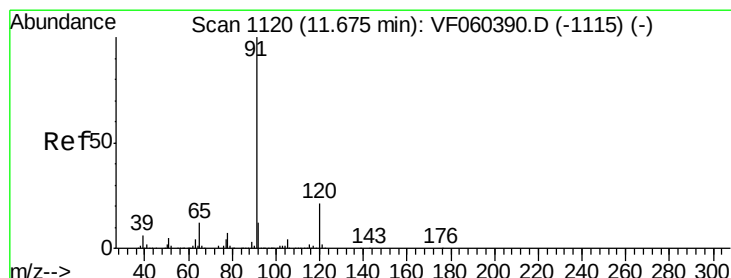
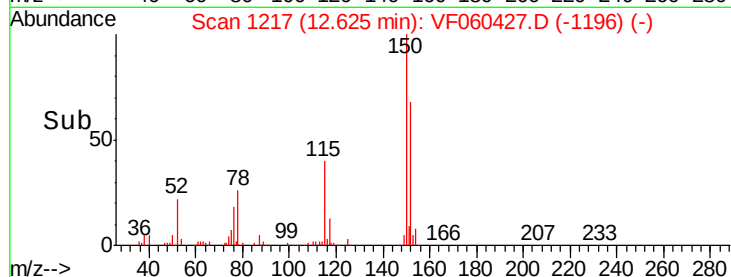
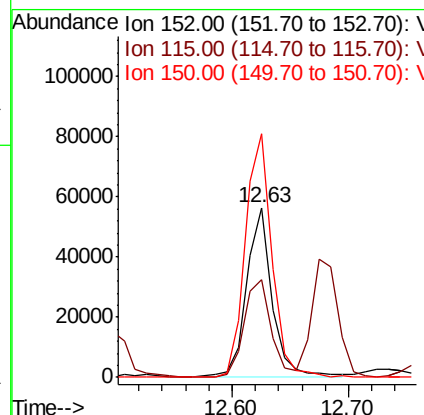
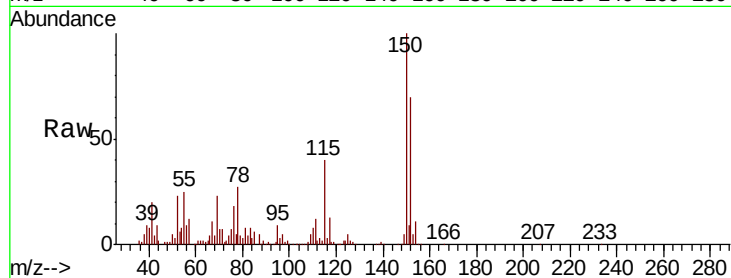
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-A

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.6	85.8
150	143.6	0.0	324.6

Manual Integrations
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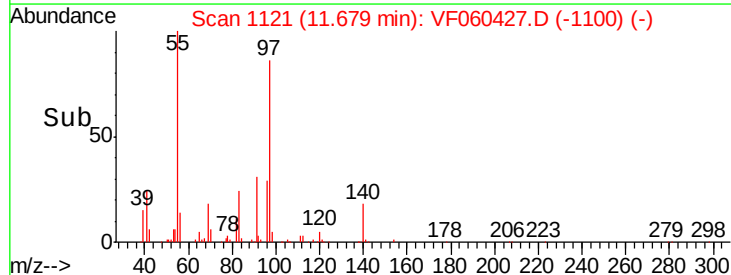
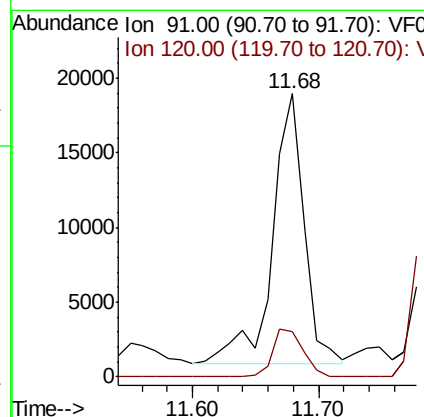
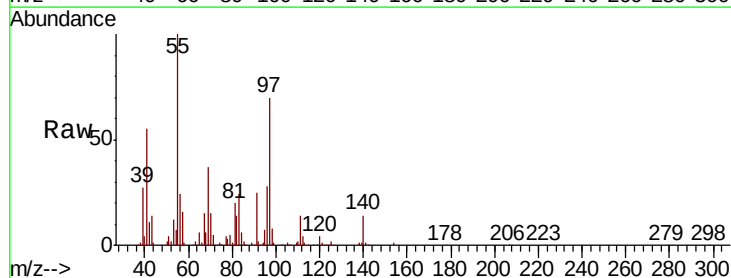
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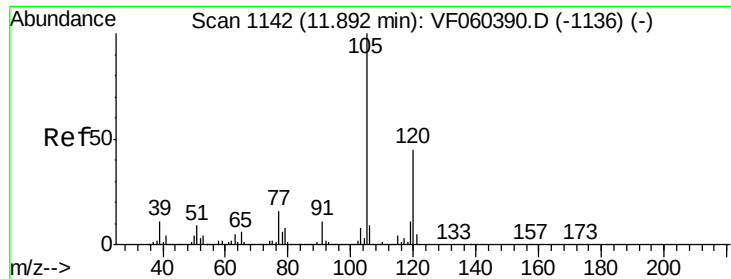


#78

n-propylbenzene
Concen: 3.863 ug/l
RT: 11.68 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	16.0	10.5	31.6





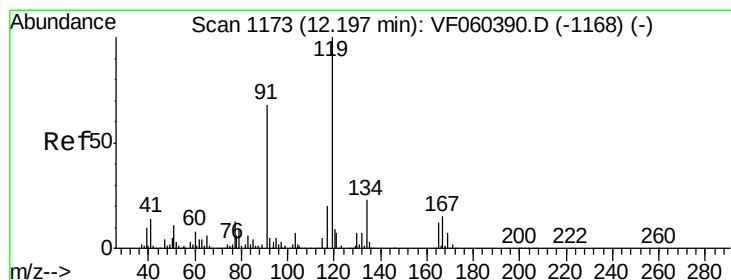
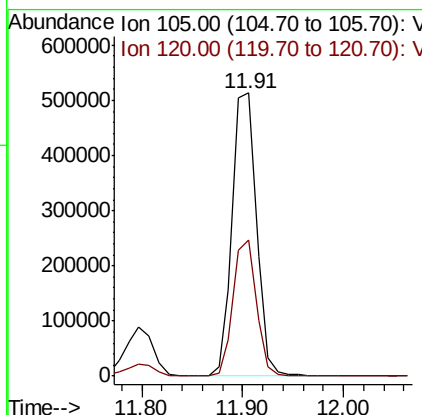
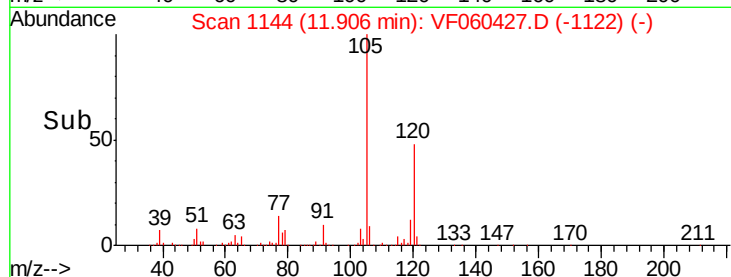
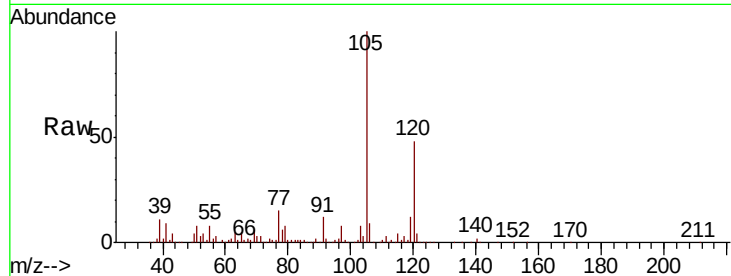
#80
 1,3,5-Trimethylbenzene
 Concen: 151.037 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-A

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.0	22.3	66.9

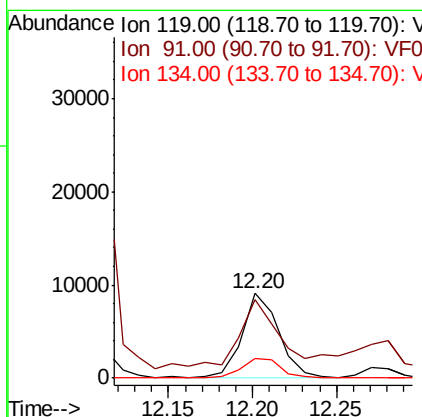
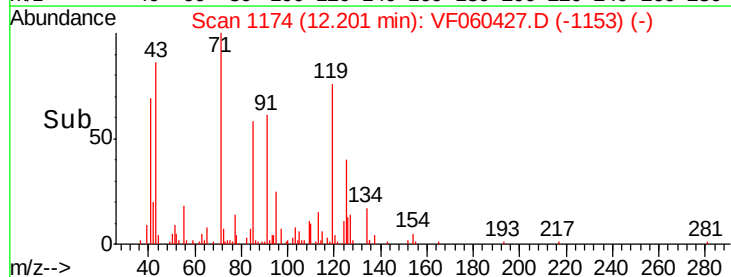
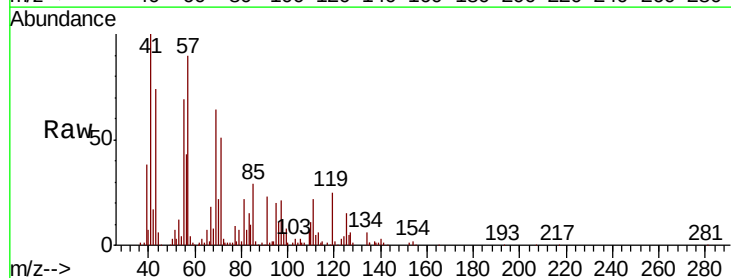
Manual Integrations
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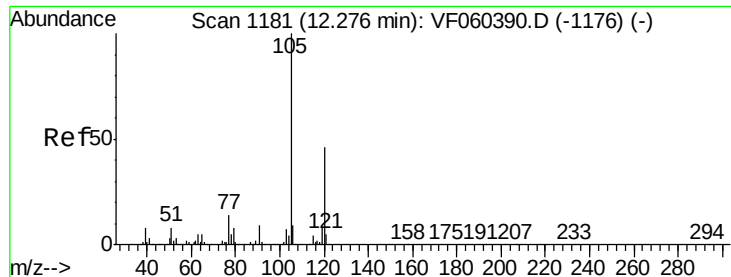
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#83
 tert-Butylbenzene
 Concen: 2.464 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	93.2	34.0	102.0
134	22.6	11.7	35.0





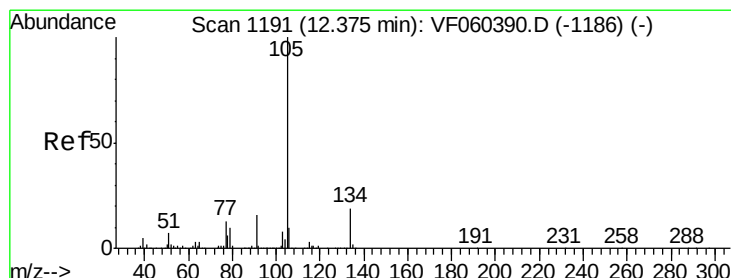
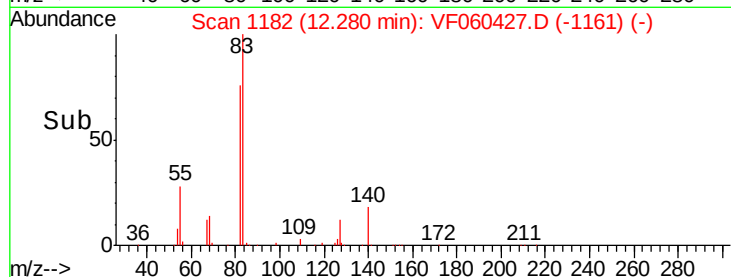
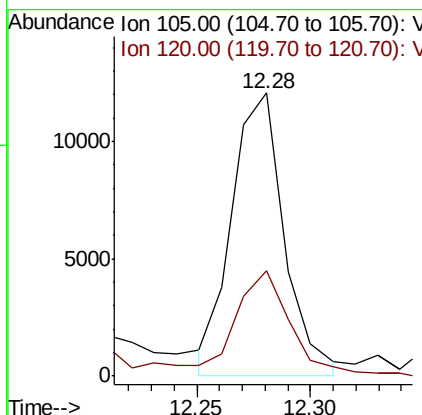
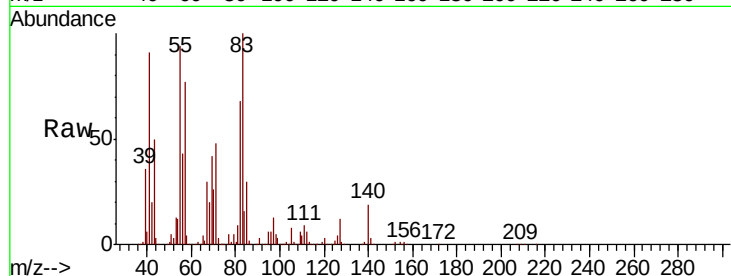
#84
 1,2,4-Trimethylbenzene
 Concen: 3.450 ug/l m
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-A

Tot Ion	Ratio	Lower	Upper
105	100		
120	37.1	23.1	69.2

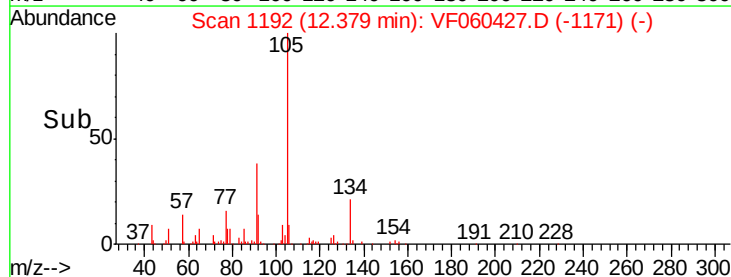
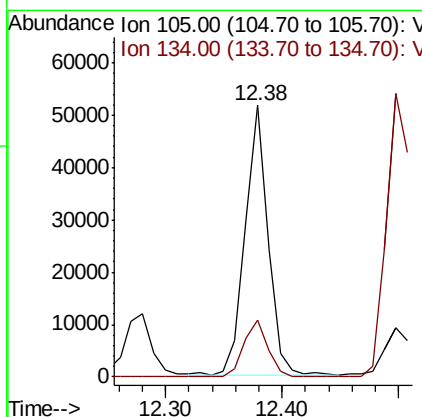
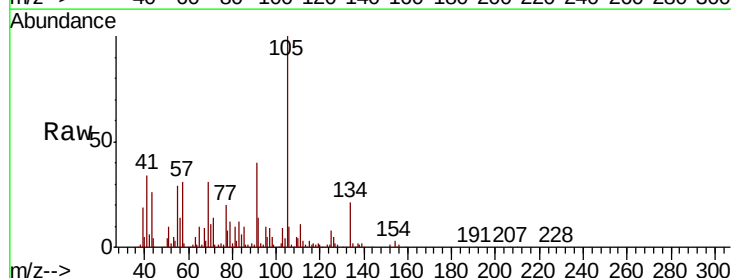
Manual Integrations
 APPROVED

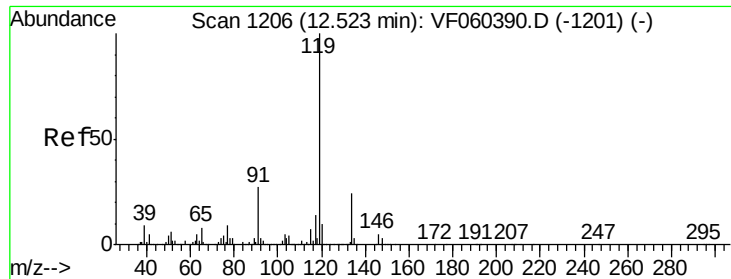
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#85
 sec-Butylbenzene
 Concen: 8.981 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	9.4	28.3





#86
 p-Isopropyltoluene
 Concen: 54.702 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.03 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-A

Tot Ion:	119	Resp:	346905
Ion Ratio	Lower	Upper	
119	100		
134	24.0	12.3	36.8
91	27.0	13.5	40.4

Manual Integrations
 APPROVED

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