

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060472.D
 Acq On : 5 Oct 2018 23:19
 Operator : VA/AP
 Sample : J5084-17
 Misc : 5.75/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-4(14.5-15)

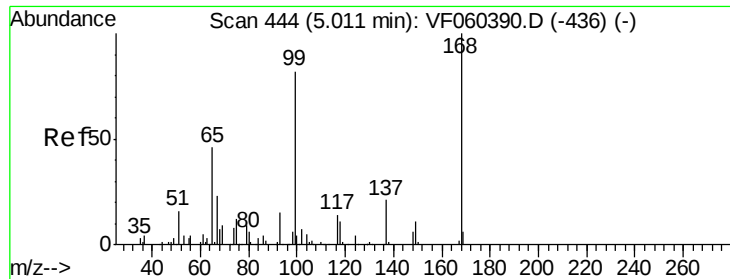
Manual Integrations
 APPROVED

apatel
 10/8/2018 9:43:47 AM

Quant Time: Oct 08 11:07:45 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	164601	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	230201	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	136412	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	62600	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	92297	35.83	ug/l	0.01
Spiked Amount 50.000			Recovery	=	71.66%	
35) Dibromofluoromethane	4.27	113	72987	33.75	ug/l	0.01
Spiked Amount 50.000			Recovery	=	67.50%	
50) Toluene-d8	7.70	98	276844	51.98	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.50	95	293559	120.71	ug/l	0.01
Spiked Amount 50.000			Recovery	=	241.42%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	5.63	83	2468529	887.189	ug/l	98
67) Ethyl Benzene	10.03	91	462575	86.820	ug/l	94
68) m/p-Xylenes	10.26	106	78503	42.861	ug/l	79
73) Isopropylbenzene	11.22	105	308130	62.514	ug/l	97
78) n-propylbenzene	11.69	91	1505793	252.000	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	38013	9.077	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	50319	12.116	ug/l	96
85) sec-Butylbenzene	12.39	105	1183266	207.544	ug/l #	66
86) p-Isopropyltoluene	12.53	119	85643m	18.387	ug/l	
89) n-Butylbenzene	12.92	91	1604859m	325.610	ug/l	

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060472.D

Acq: 5 Oct 2018 23:19

Instrument :

MSVOA_F

ClientSampleId :

B-4(14.5-15)

Tot Ion:168 Resp: 164601

Ion Ratio Lower Upper

168 100

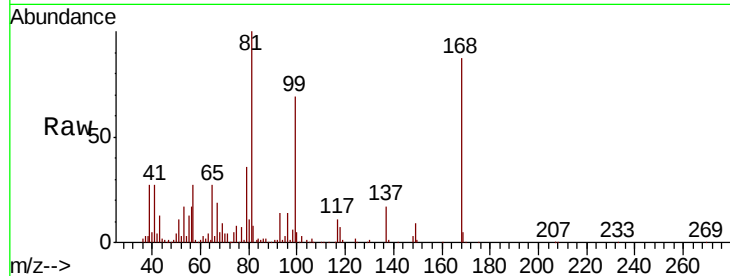
99 79.3 65.3 97.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

60000

50000

40000

30000

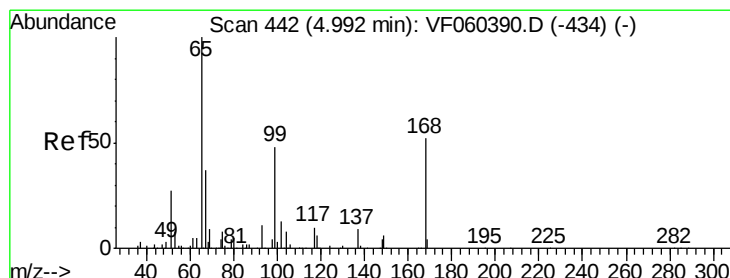
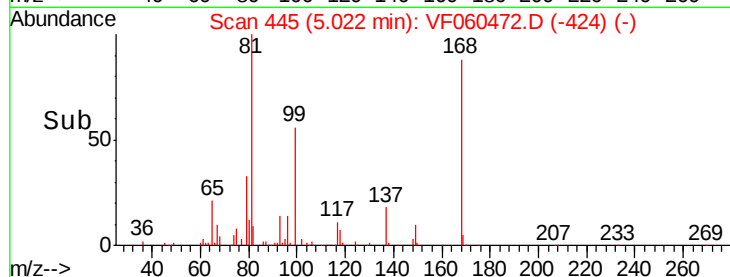
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 35.835 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060472.D

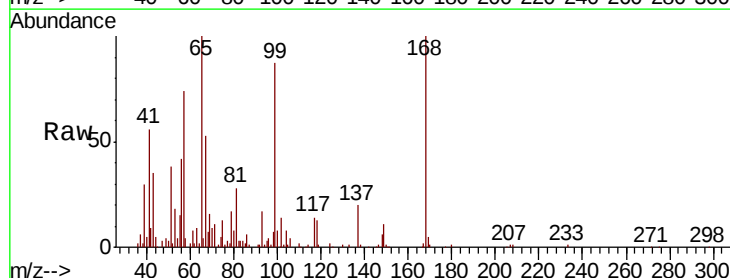
Acq: 5 Oct 2018 23:19

Tgt Ion: 65 Resp: 92297

Ion Ratio Lower Upper

65 100

67 53.3 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

30000

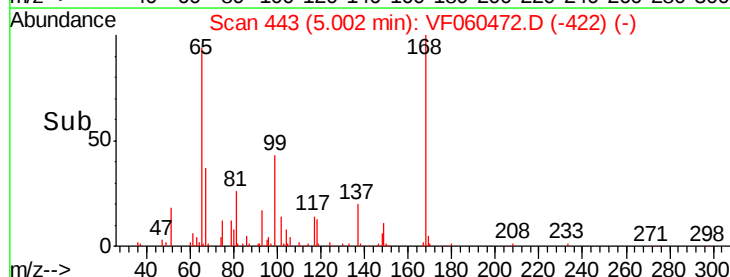
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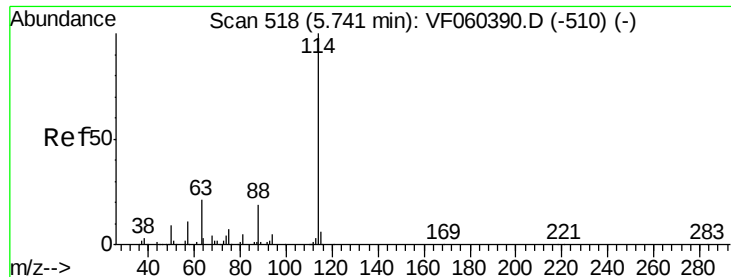
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4.90 4.95 5.00 5.05 5.10

Time-->





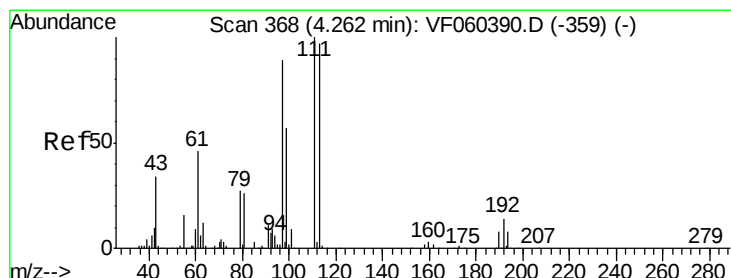
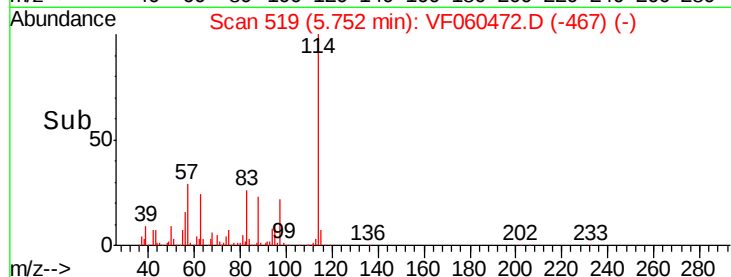
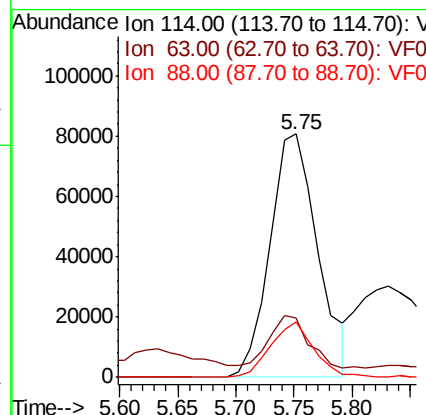
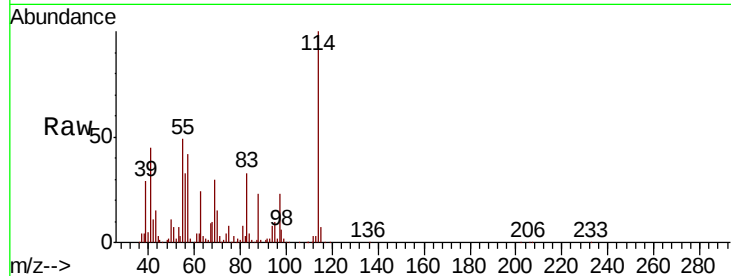
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF060472.D
Acq: 5 Oct 2018 23:19

Instrument :
MSVOA_F
ClientSampled :
B-4(14.5-15)

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	24.5	0.0	42.2
88	22.8	0.0	38.8

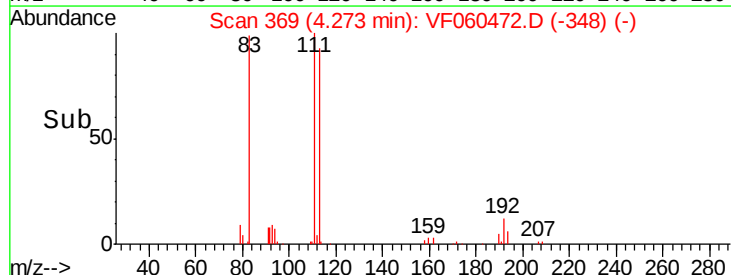
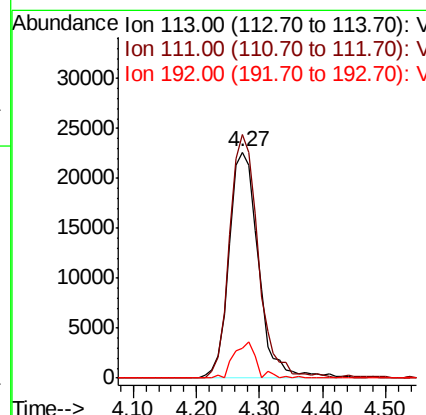
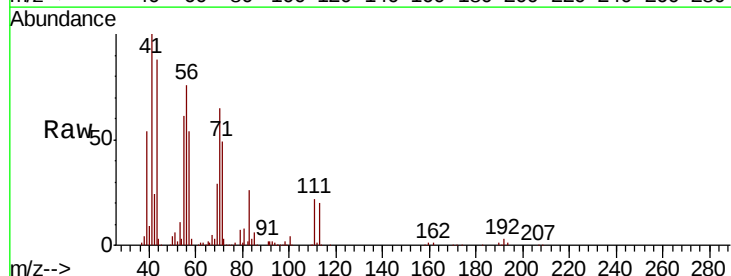
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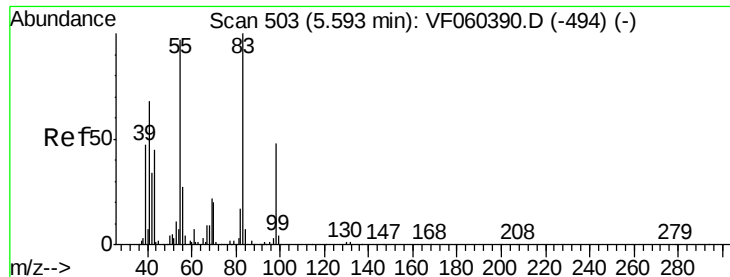
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#35
Dibromofluoromethane
Concen: 33.750 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060472.D
Acq: 5 Oct 2018 23:19

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	107.1	82.3	123.5
192	13.1	11.8	17.6





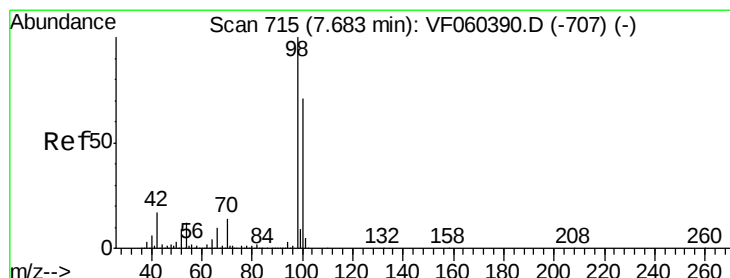
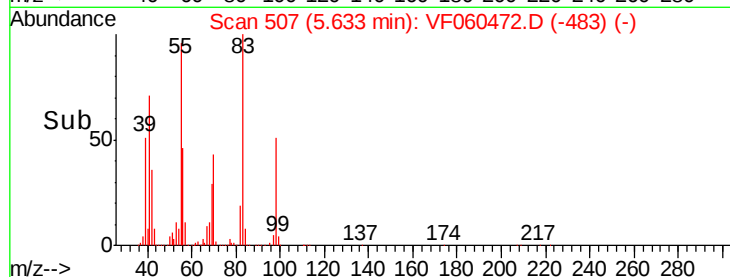
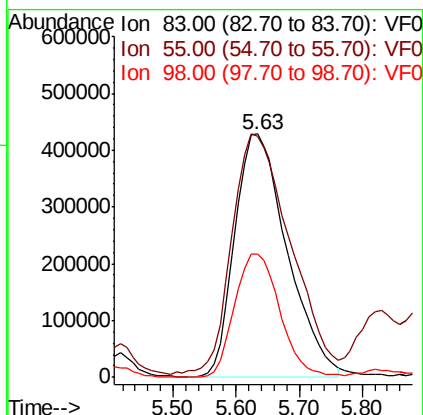
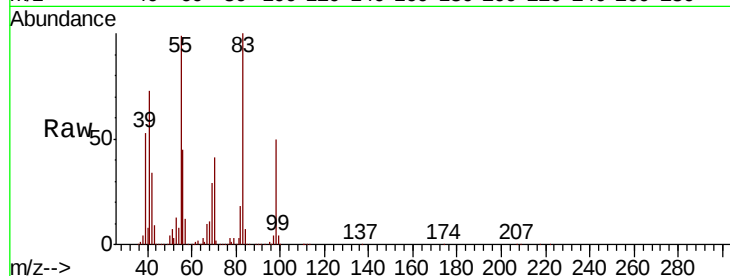
#39
Methylcyclohexane
Concen: 887.189 ug/l
RT: 5.63 min Scan# 507
Delta R.T. 0.04 min
Lab File: VF060472.D
Acq: 5 Oct 2018 23:19

Instrument :
MSVOA_F
ClientSampled :
B-4(14.5-15)

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.9	77.5	116.3
98	50.5	38.7	58.1

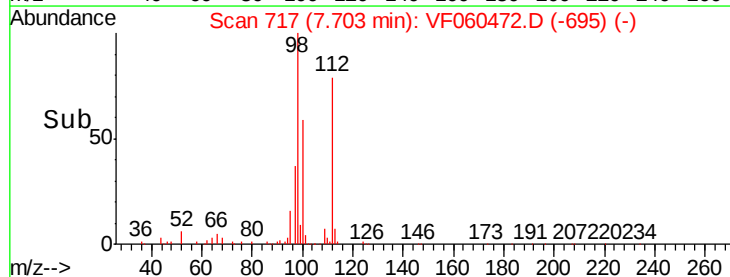
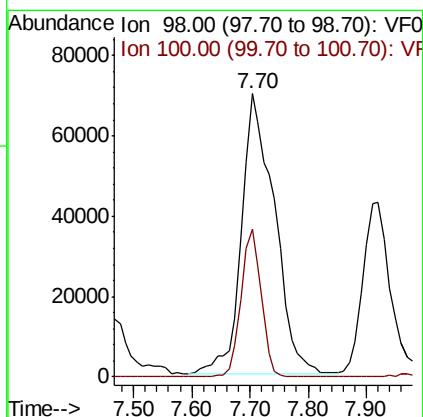
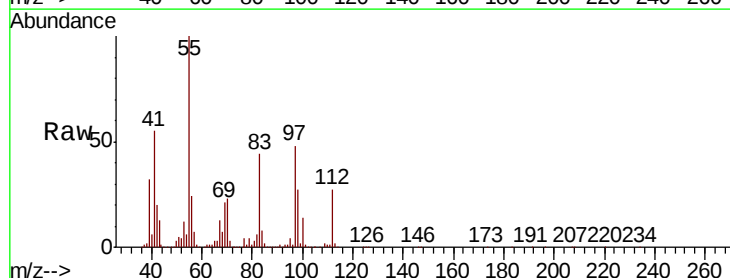
Manual Integrations
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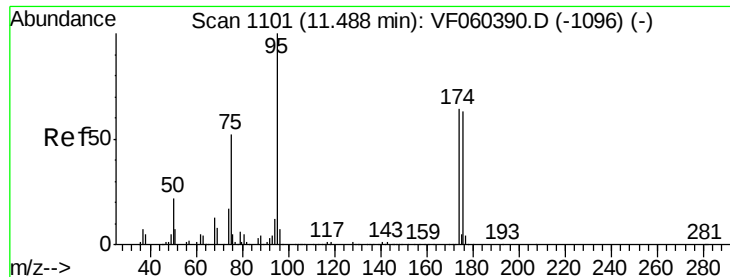
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#50
Toluene-d8
Concen: 51.979 ug/l
RT: 7.70 min Scan# 717
Delta R.T. 0.02 min
Lab File: VF060472.D
Acq: 5 Oct 2018 23:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	52.1	56.5	84.7#





#62

4-Bromofluorobenzene

Concen: 120.714 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060472.D

Acq: 5 Oct 2018 23:19

Instrument :

MSVOA_F

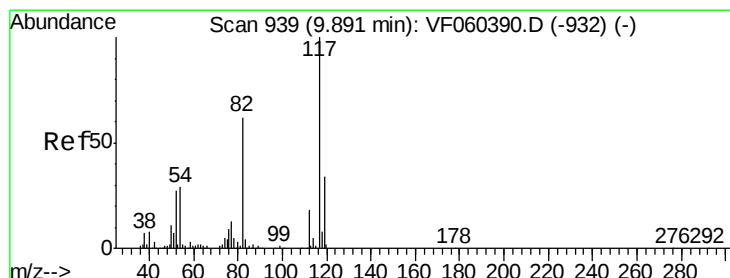
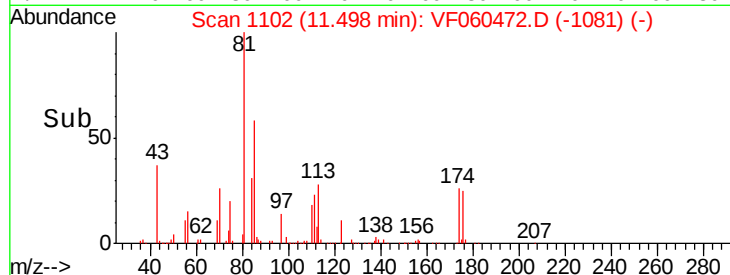
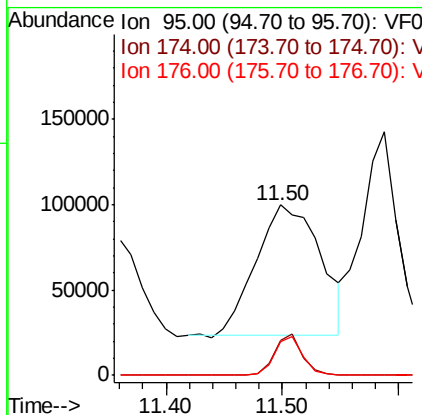
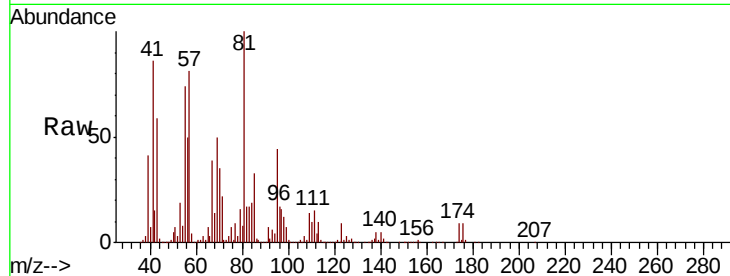
ClientSampleId :

B-4(14.5-15)

Tot Ion:	95	Resp:	293559
Ion Ratio	Lower	Upper	
95	100		
174	20.2	0.0	129.0
176	19.9	0.0	125.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

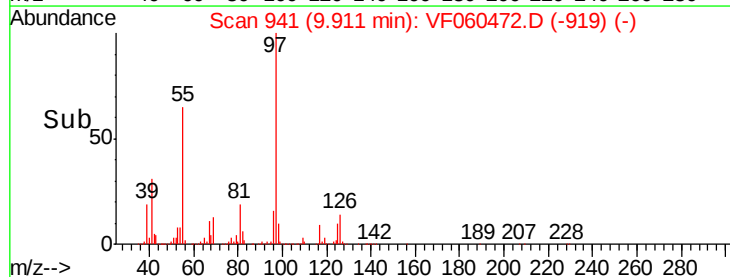
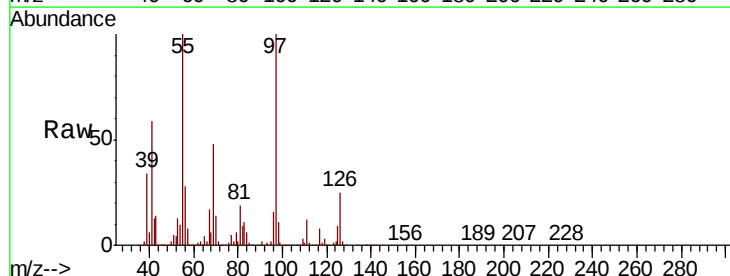
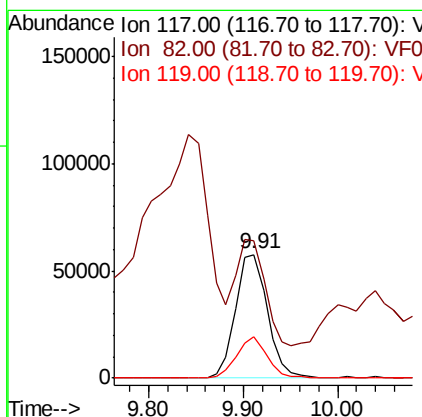
RT: 9.91 min Scan# 941

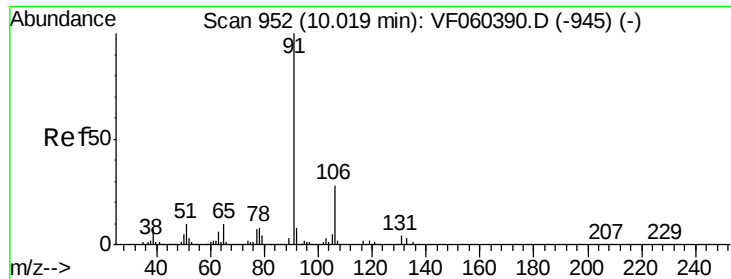
Delta R.T. 0.02 min

Lab File: VF060472.D

Acq: 5 Oct 2018 23:19

Tgt Ion:	117	Resp:	136412
Ion Ratio	Lower	Upper	
117	100		
82	111.3	49.5	74.3#
119	33.5	27.0	40.6





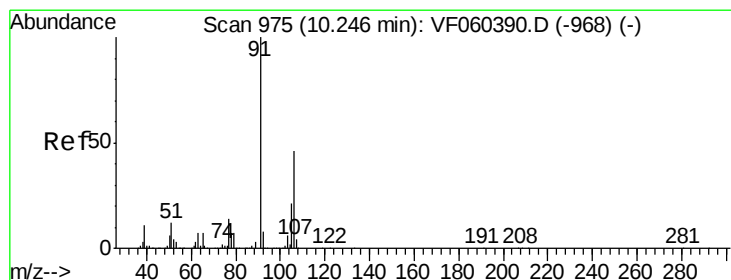
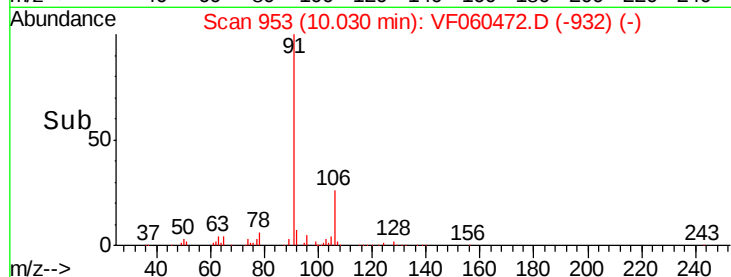
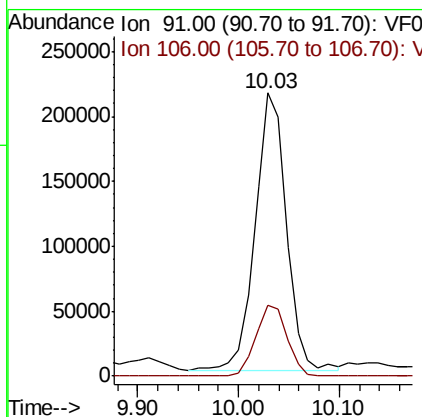
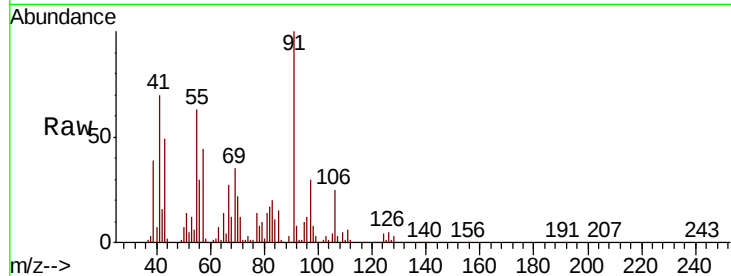
#67
Ethyl Benzene
Concen: 86.820 ug/l
RT: 10.03 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF060472.D
Acq: 5 Oct 2018 23:19

Instrument :
MSVOA_F
ClientSampled :
B-4(14.5-15)

Tot Ion: 91 Resp: 462575
Ion Ratio Lower Upper
91 100
106 25.2 22.5 33.7

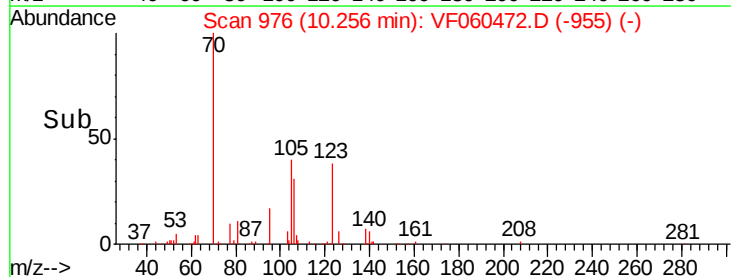
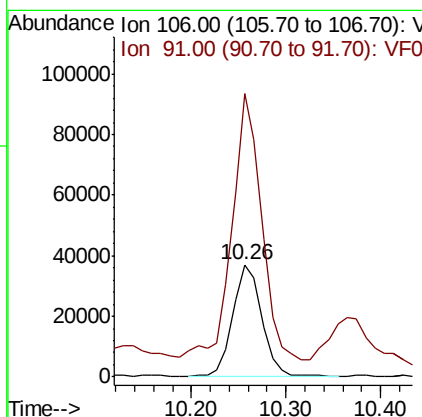
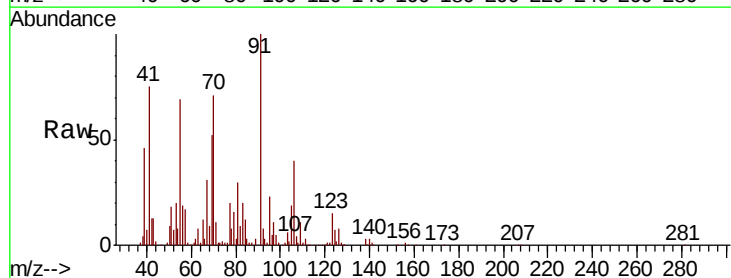
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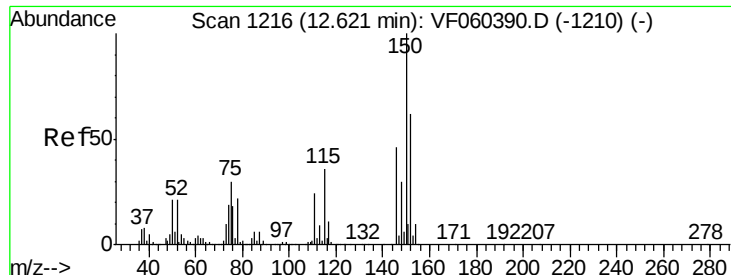
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#68
m/p-Xylenes
Concen: 42.861 ug/l
RT: 10.26 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060472.D
Acq: 5 Oct 2018 23:19

Tgt Ion: 106 Resp: 78503
Ion Ratio Lower Upper
106 100
91 252.5 175.0 262.6





#72

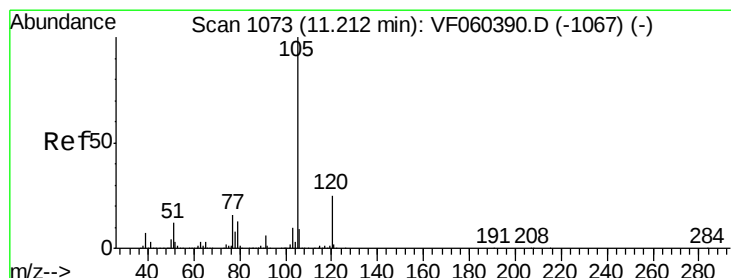
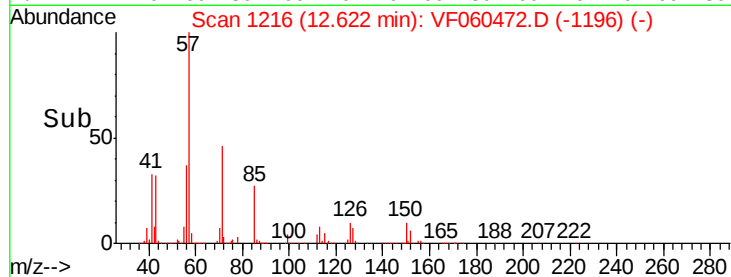
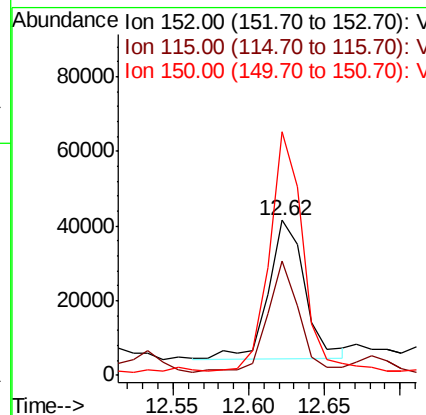
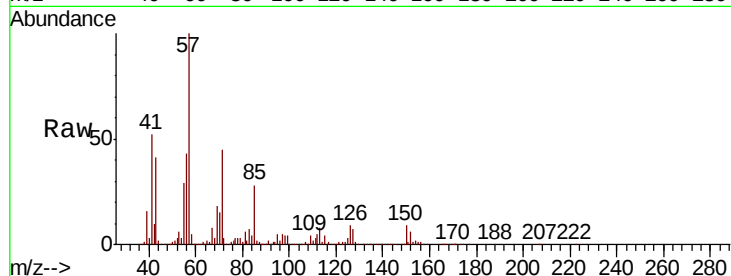
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VF060472.D
Acq: 5 Oct 2018 23:19

Instrument :
MSVOA_F
ClientSampleId :
B-4(14.5-15)

Tot Ion	Ratio	Lower	Upper
152	100		
115	73.8	28.6	85.8
150	157.4	0.0	324.6

Manual Integrations
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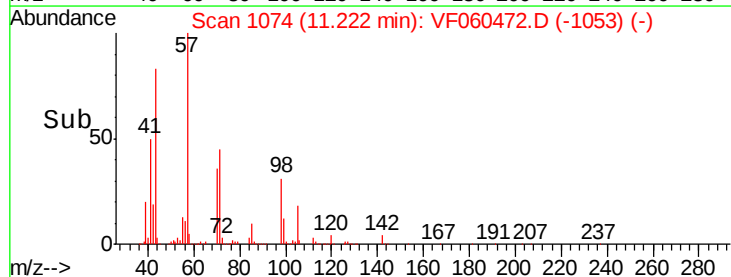
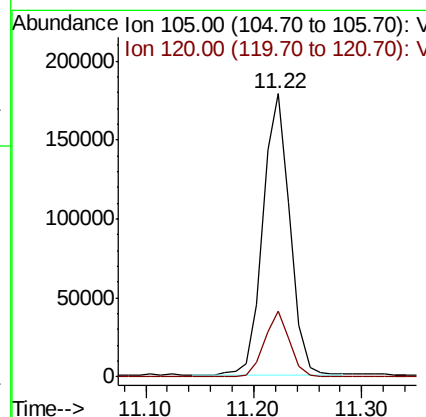
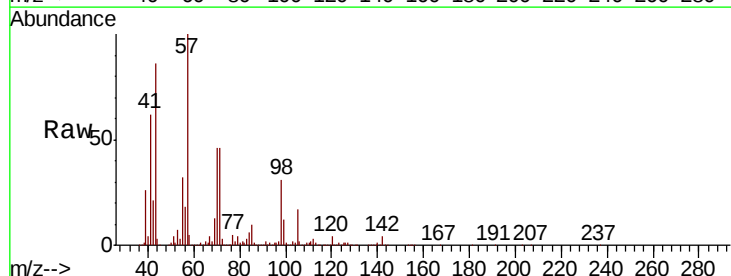
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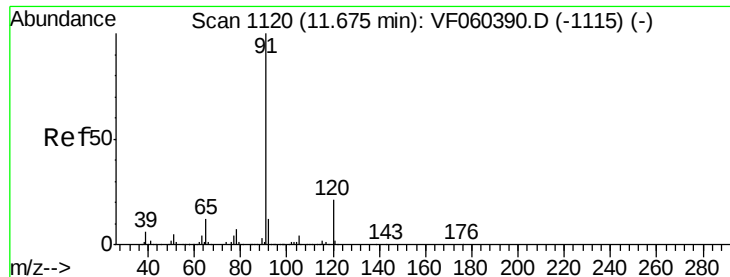


#73

Isopropylbenzene
Concen: 62.514 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.01 min
Lab File: VF060472.D
Acq: 5 Oct 2018 23:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.0	12.3	36.9





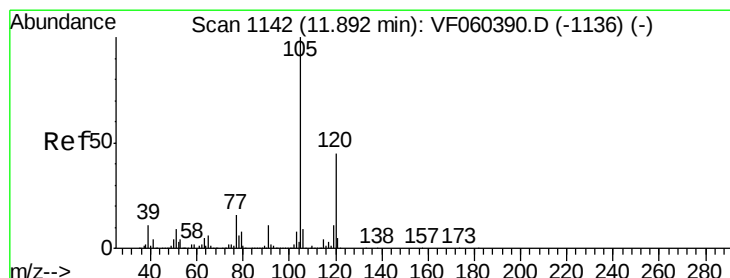
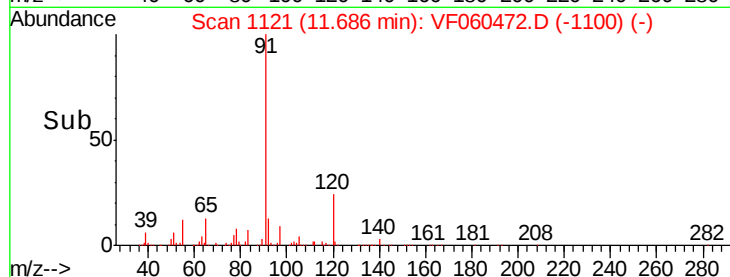
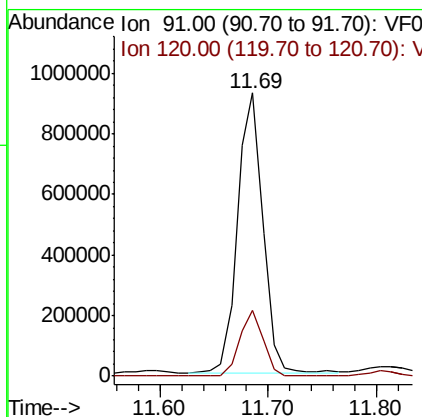
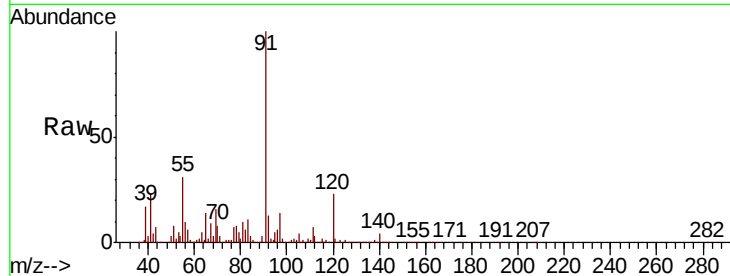
#78
n-propylbenzene
Concen: 252.000 ug/l
RT: 11.69 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VF060472.D
Acq: 5 Oct 2018 23:19

Instrument :
MSVOA_F
ClientSampled :
B-4(14.5-15)

Tot Ion: 91 Resp: 1505793
Ion Ratio Lower Upper
91 100
120 23.2 10.5 31.6

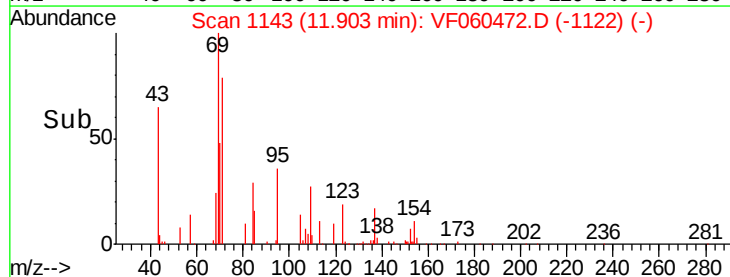
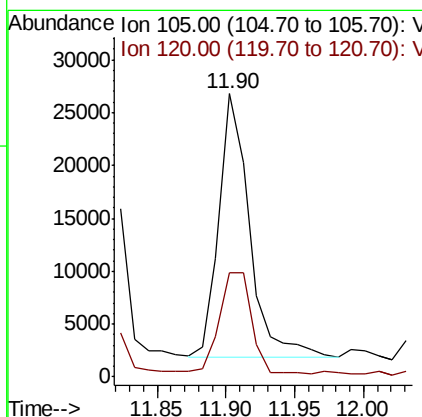
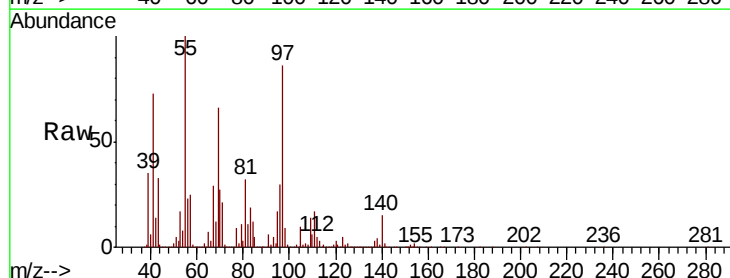
Manual Integrations
APPROVED

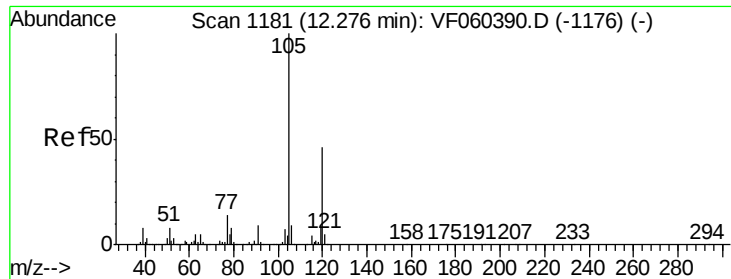
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#80
1,3,5-Trimethylbenzene
Concen: 9.077 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VF060472.D
Acq: 5 Oct 2018 23:19

Tgt Ion: 105 Resp: 38013
Ion Ratio Lower Upper
105 100
120 36.6 22.3 66.9





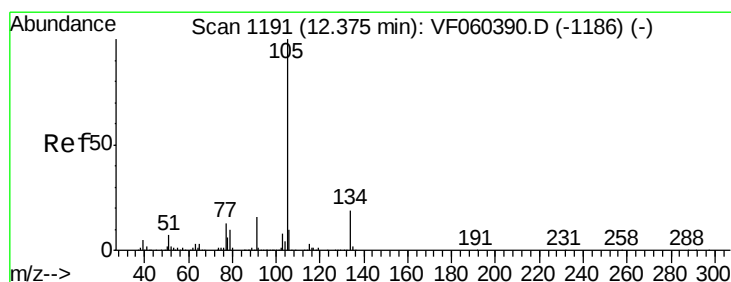
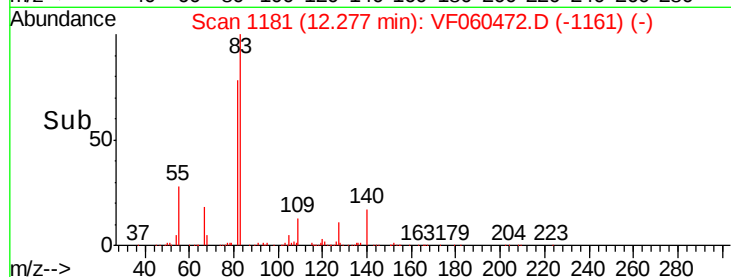
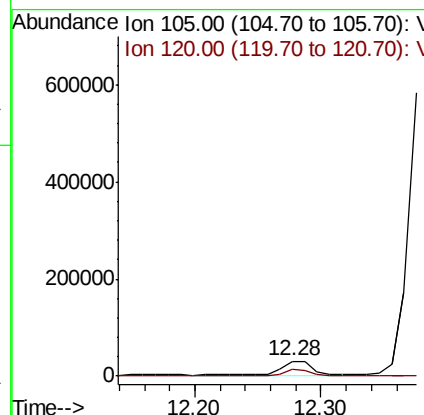
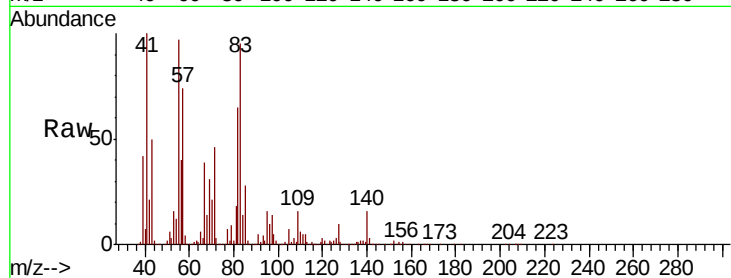
#84
 1,2,4-Trimethylbenzene
 Concen: 12.116 ug/l
 RT: 12.28 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VF060472.D
 Acq: 5 Oct 2018 23:19

Instrument :
 MSVOA_F
 ClientSampleId :
 B-4(14.5-15)

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.2	23.1	69.2

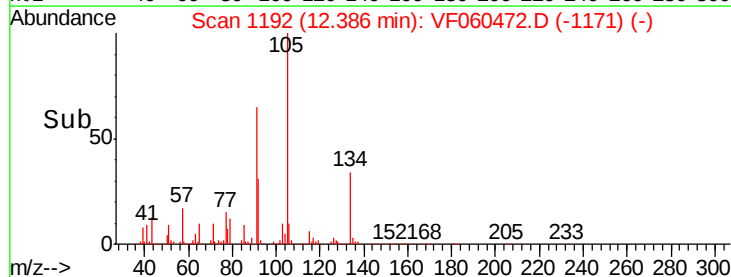
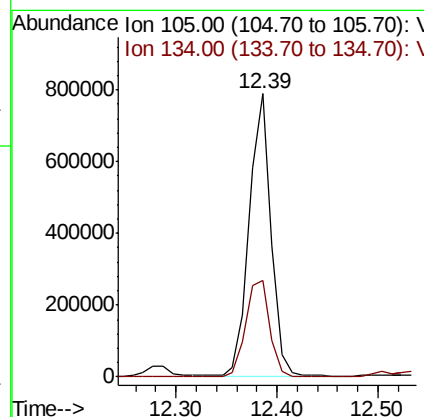
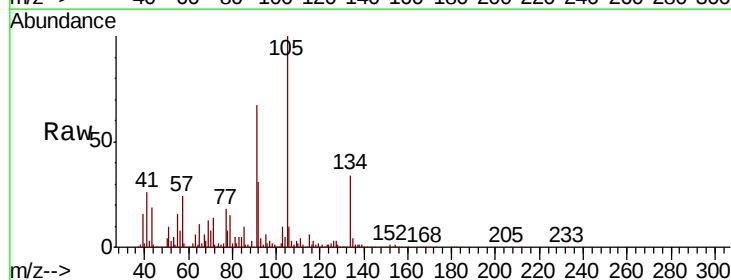
Manual Integrations
 APPROVED

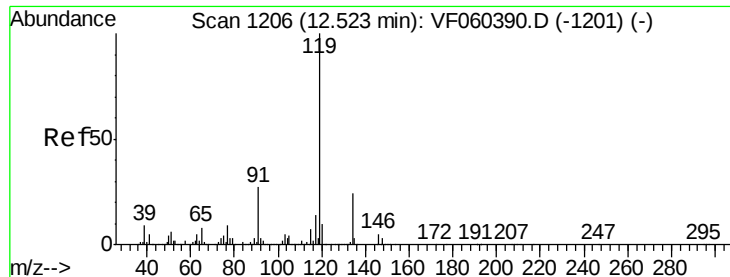
apatel
 10/8/2018 9:43:47 AM



#85
 sec-Butylbenzene
 Concen: 207.544 ug/l
 RT: 12.39 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF060472.D
 Acq: 5 Oct 2018 23:19

Tgt Ion	Ratio	Lower	Upper
105	100		
134	34.1	9.4	28.3





#86

p-Isopropyltoluene

Concen: 18.387 ug/l m

RT: 12.53 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VF060472.D

Acq: 5 Oct 2018 23:19

Instrument :

MSVOA_F

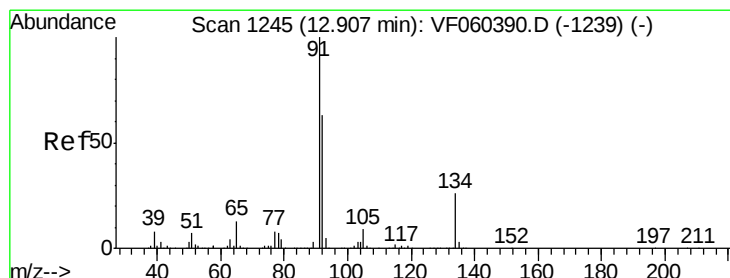
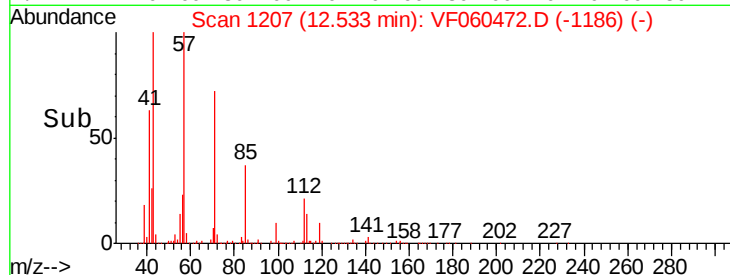
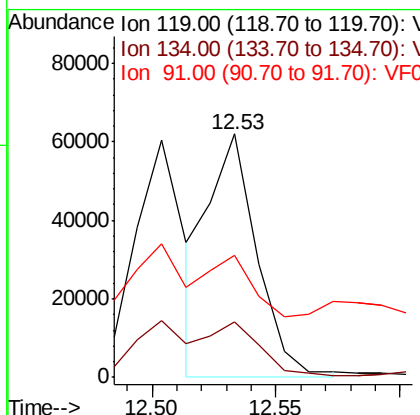
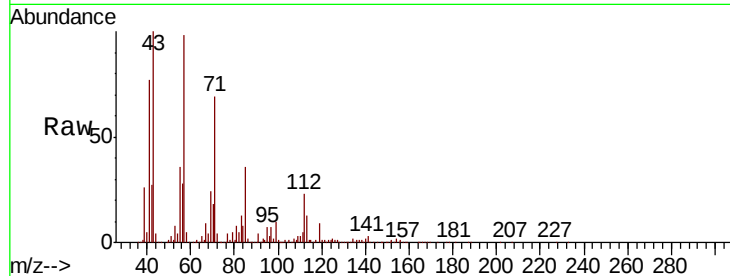
ClientSampled :

B-4(14.5-15)

Tot Ion:	119	Resp:	85643
Ion Ratio	Lower	Upper	
119	100		
134	22.9	12.3	36.8
91	50.1	13.5	40.4#

Manual Integrations
APPROVED

apatel
10/8/2018 9:43:47 AM



#89

n-Butylbenzene

Concen: 325.610 ug/l m

RT: 12.92 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VF060472.D

Acq: 5 Oct 2018 23:19

Tgt Ion:	91	Resp:	1604859
Ion Ratio	Lower	Upper	
91	100		
92	64.2	31.3	93.9
134	30.3	13.0	38.9

