

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051506.D
 Acq On : 26 Sep 2018 00:54
 Operator : MD\SY
 Sample : J5065-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW13-GW

Manual Integrations
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mmdadoda
 9/30/2018 9:54:19 AM

Quant Time: Sep 26 05:23:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	696895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1019797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	836459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	384496	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	446630	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
35) Dibromofluoromethane	7.60	113	391546	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
50) Toluene-d8	10.09	98	1437288	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.60%	
62) 4-Bromofluorobenzene	12.40	95	433094	43.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.20%	
Target Compounds						
					Qvalue	
25) 2-Butanone	6.85	43	12500	4.183	ug/l #	88
31) Cyclohexane	7.66	56	52782	3.840	ug/l #	79
39) Methylcyclohexane	9.08	83	56645	4.103	ug/l	93
40) Benzene	8.04	78	45504	1.312	ug/l	93
52) Toluene	10.16	92	81798	3.796	ug/l	98
67) Ethyl Benzene	11.51	91	538921	14.901	ug/l	99
68) m/p-Xylenes	11.62	106	2201878	157.392	ug/l	99
69) o-Xylene	11.95	106	860322	63.969	ug/l	97
73) Isopropylbenzene	12.25	105	106072	3.270	ug/l	98
78) n-propylbenzene	12.59	91	316630	8.660	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	802114	30.322	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2758691	103.493	ug/l	100
85) sec-Butylbenzene	13.17	105	25242m	0.792	ug/l	
86) p-Isopropyltoluene	13.29	119	19967m	0.724	ug/l	
89) n-Butylbenzene	13.61	91	38455m	1.697	ug/l	
95) Naphthalene	15.13	128	378339	30.252	ug/l	99

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

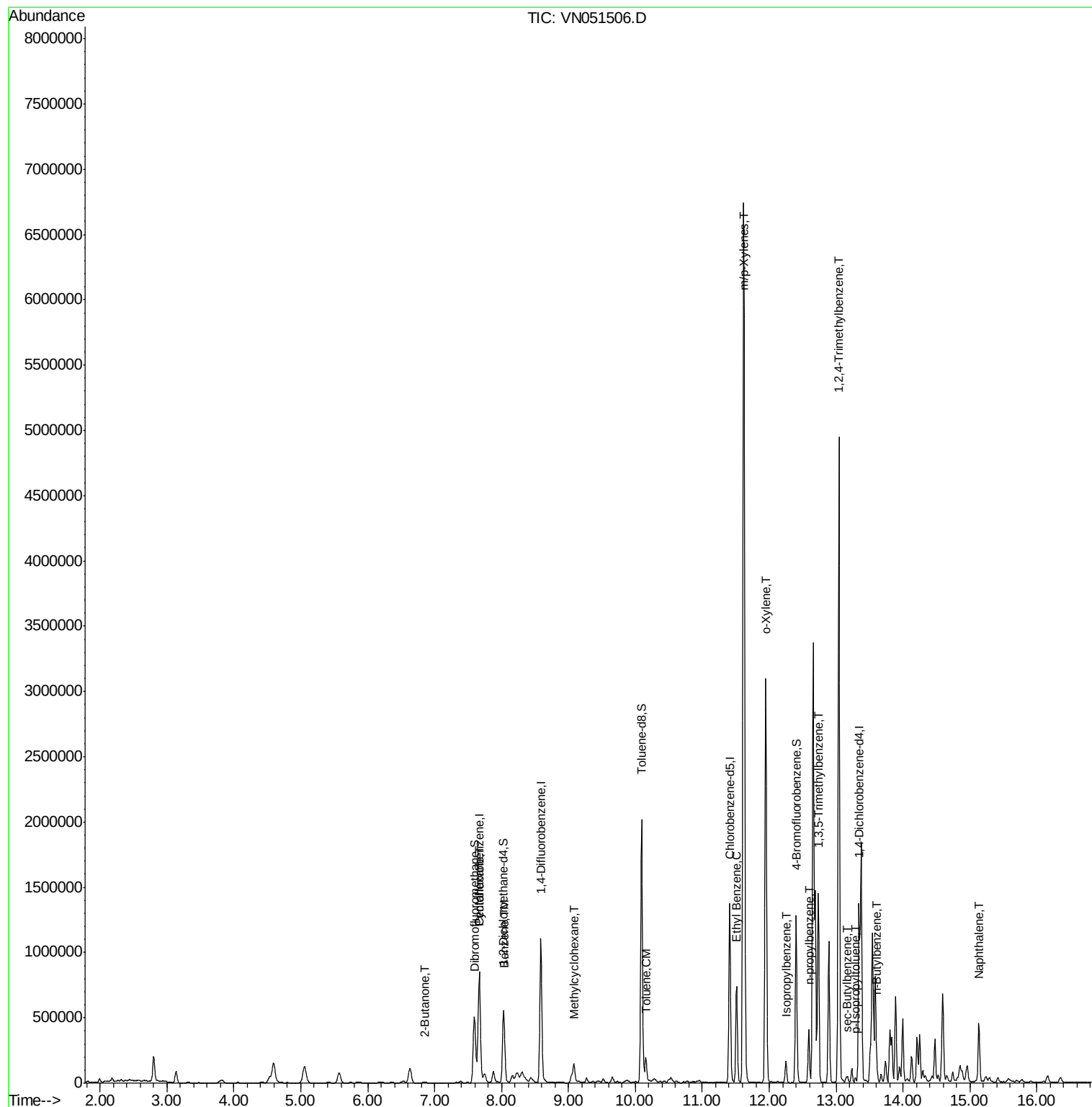
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051506.D
Acq On : 26 Sep 2018 00:54
Operator : MD\SY
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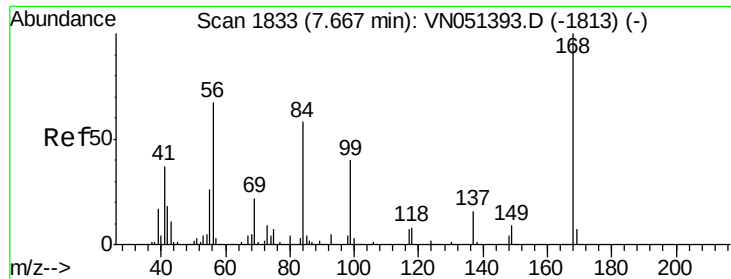
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW13-GW

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Quant Time: Sep 26 05:23:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051506.D

Acq: 26 Sep 2018 00:54

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW13-GW

Tgt Ion:168 Resp: 696895

Ion Ratio Lower Upper

168 100

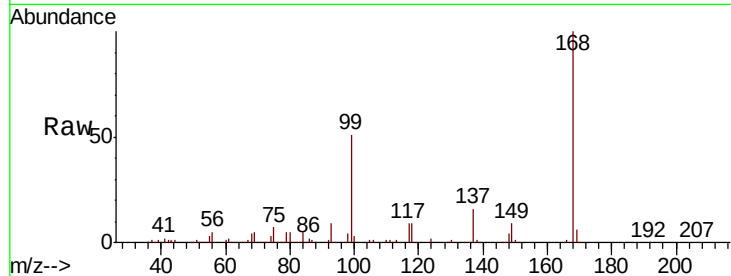
99 50.8 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

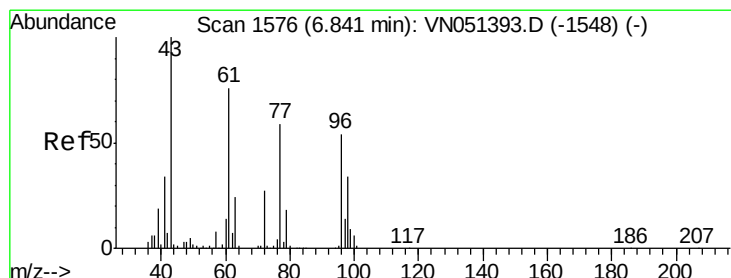
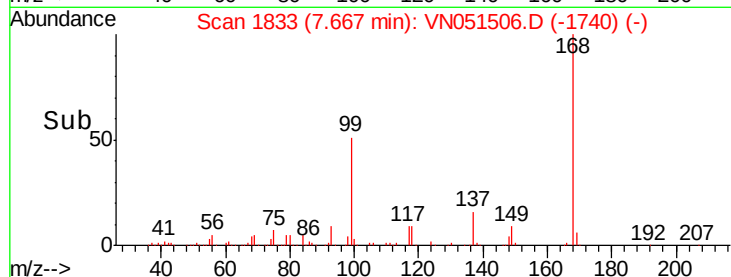
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#25

2-Butanone

Concen: 4.183 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN051506.D

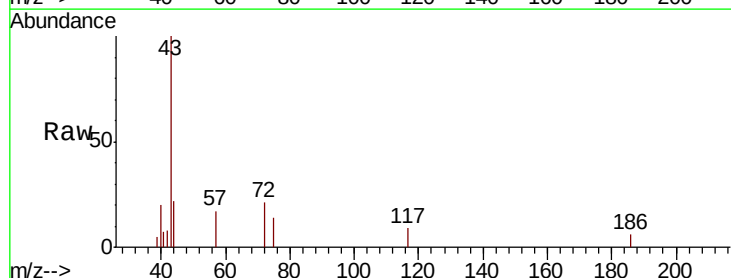
Acq: 26 Sep 2018 00:54

Tgt Ion: 43 Resp: 12500

Ion Ratio Lower Upper

43 100

72 21.2 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

4000

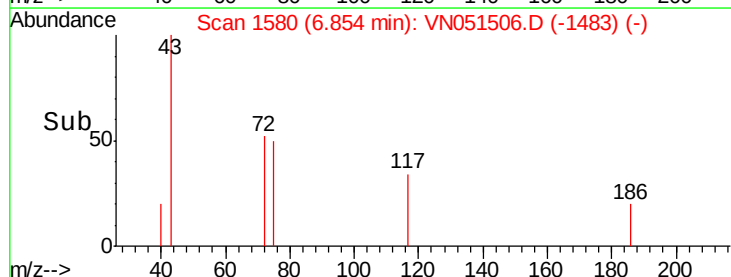
3000

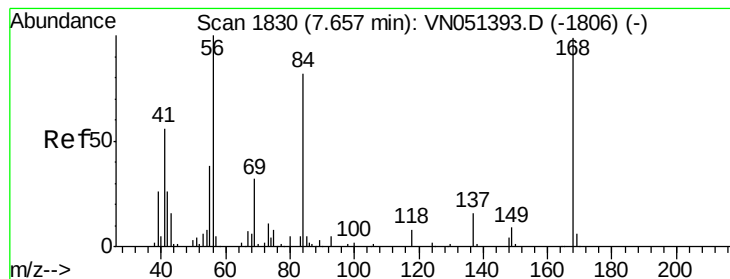
2000

1000

0

Time--> 6.75 6.80 6.85 6.90





#31

Cyclohexane

Concen: 3.840 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051506.D

Acq: 26 Sep 2018 00:54

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW13-GW

Tgt Ion: 56 Resp: 52782

Ion Ratio Lower Upper

56 100

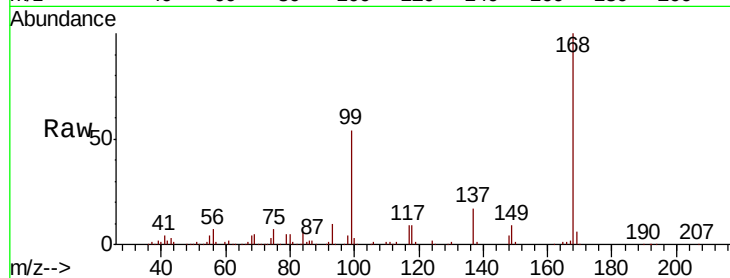
69 74.2 25.8 38.6#

84 82.3 66.0 99.0

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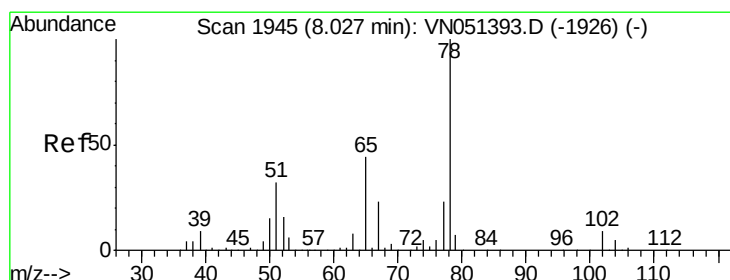
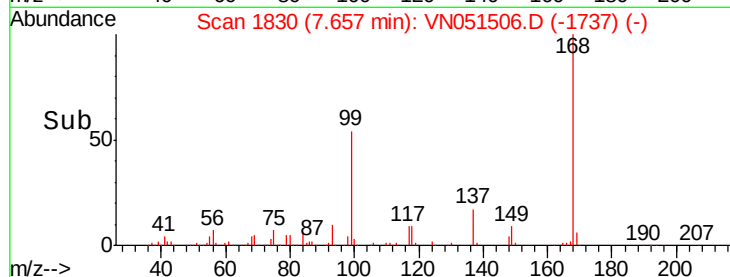
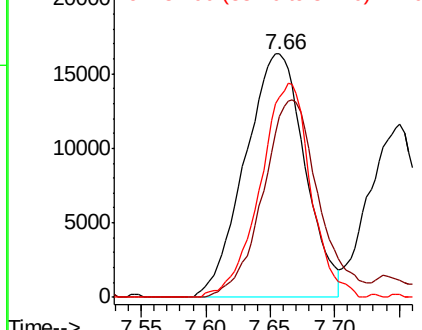
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Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 51.161 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051506.D

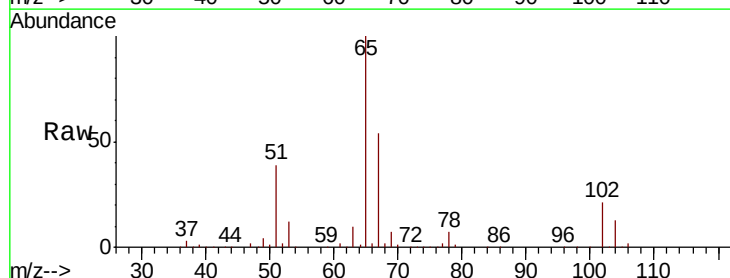
Acq: 26 Sep 2018 00:54

Tgt Ion: 65 Resp: 446630

Ion Ratio Lower Upper

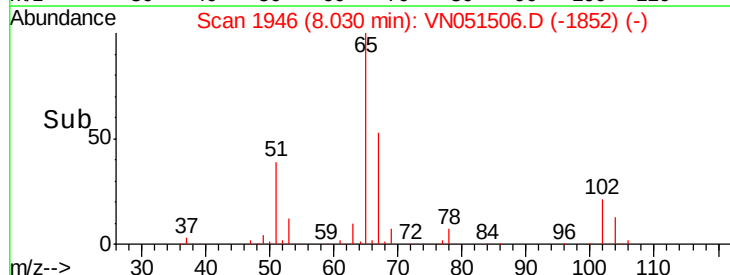
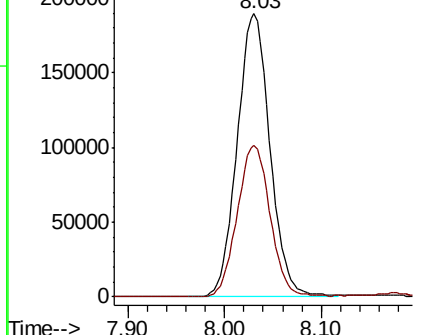
65 100

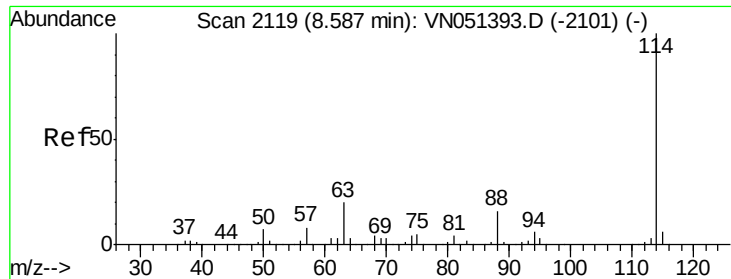
67 54.0 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC





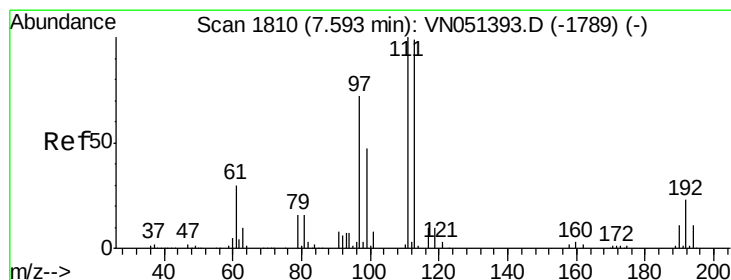
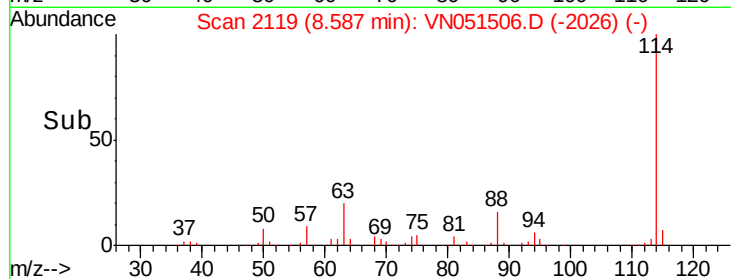
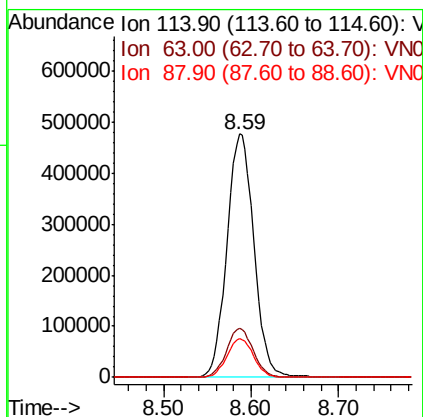
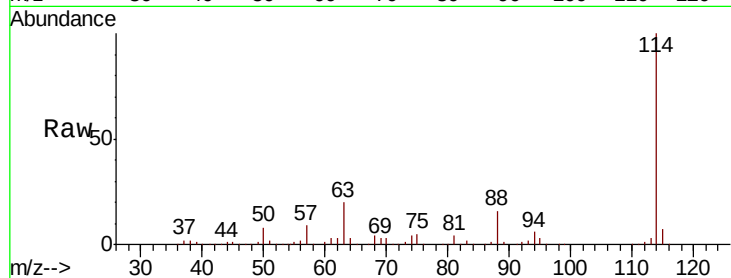
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051506.D
 Acq: 26 Sep 2018 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW13-GW

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.2
88	15.9	0.0	31.4

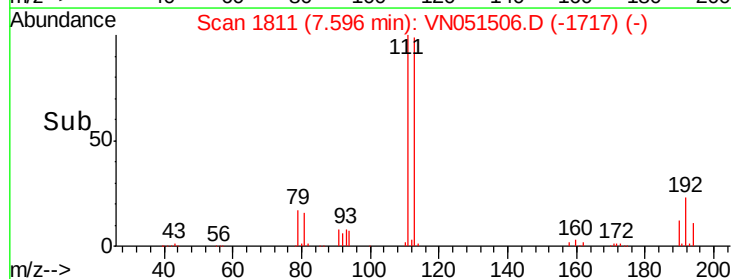
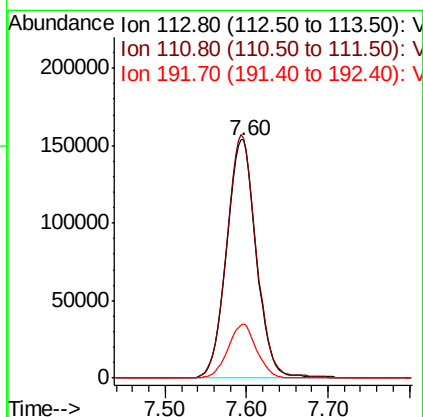
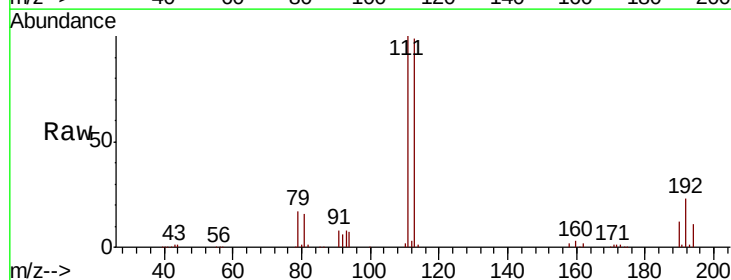
Manual Integrations
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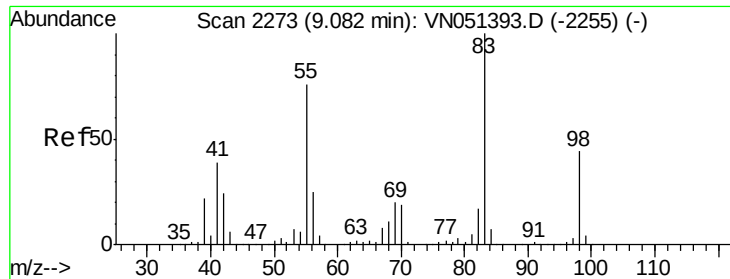
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#35
 Dibromofluoromethane
 Concen: 48.014 ug/l
 RT: 7.60 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VN051506.D
 Acq: 26 Sep 2018 00:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	21.9	18.0	27.0





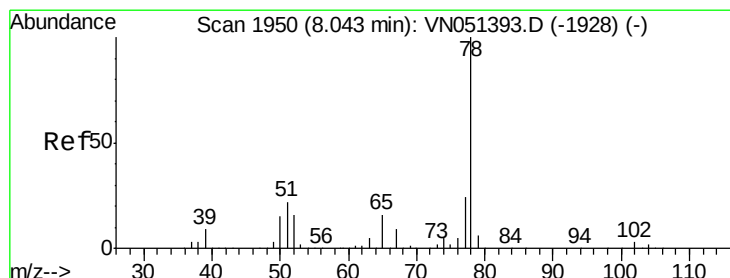
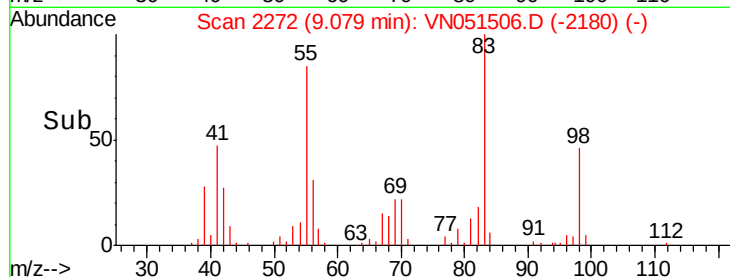
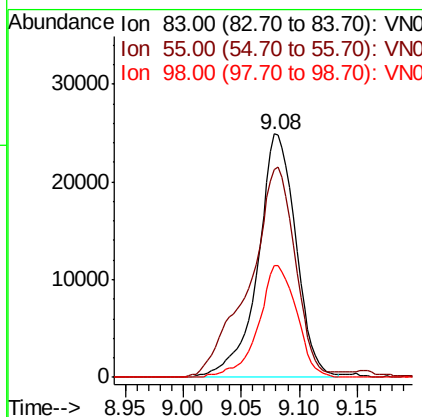
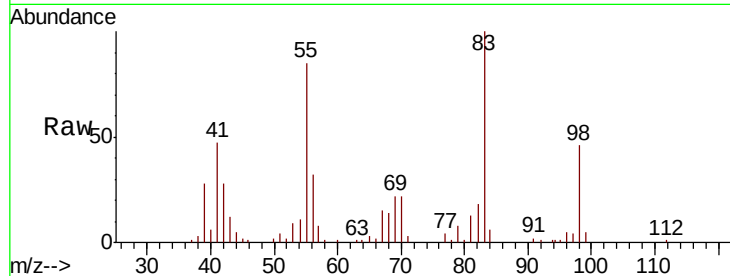
#39
Methylcyclohexane
Concen: 4.103 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051506.D
Acq: 26 Sep 2018 00:54

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW13-GW

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	56645		
55	84.7	61.0	91.4	
98	46.0	35.6	53.4	

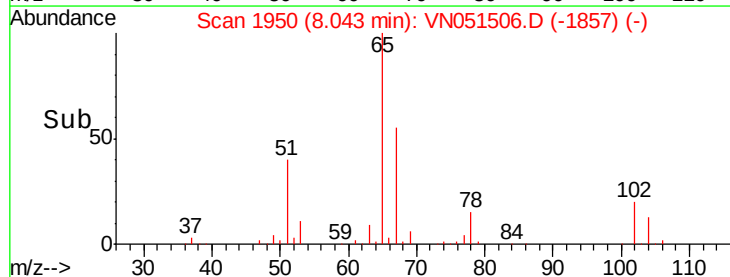
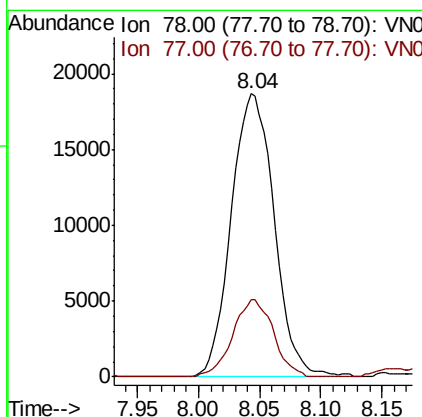
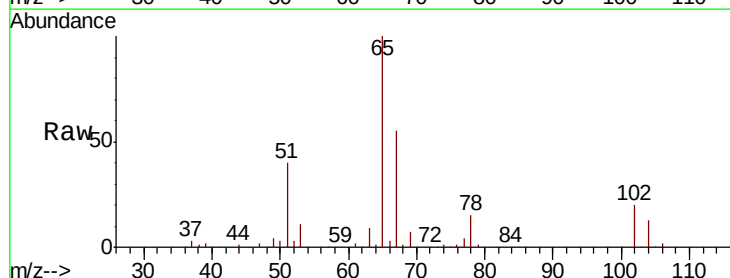
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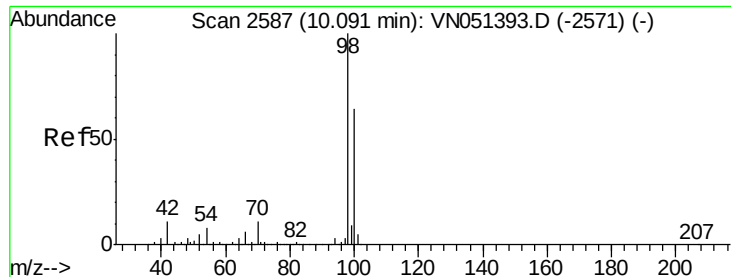
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#40
Benzene
Concen: 1.312 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051506.D
Acq: 26 Sep 2018 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	45504		
77	27.2	19.2	28.8	





#50

Toluene-d8

Concen: 46.805 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051506.D

Acq: 26 Sep 2018 00:54

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW13-GW

Tgt Ion: 98 Resp: 1437288

Ion Ratio Lower Upper

98 100

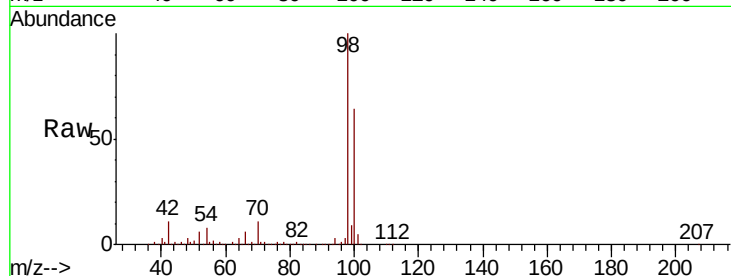
100 63.1 50.6 75.8

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Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)

10.09

800000

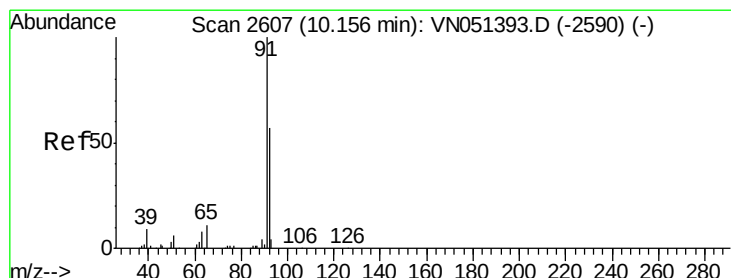
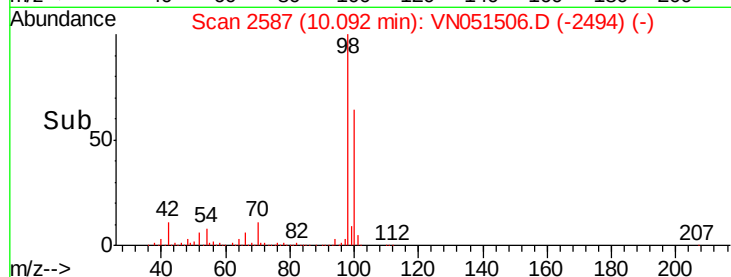
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 3.796 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051506.D

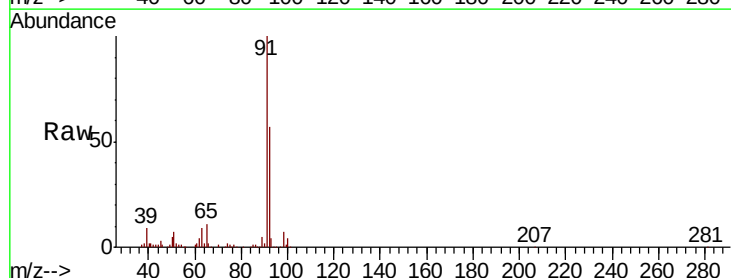
Acq: 26 Sep 2018 00:54

Tgt Ion: 92 Resp: 81798

Ion Ratio Lower Upper

92 100

91 175.7 142.2 213.4



Abundance Ion 92.00 (91.70 to 92.70): VN051393.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051393.D (-2590) (-)

10.16

80000

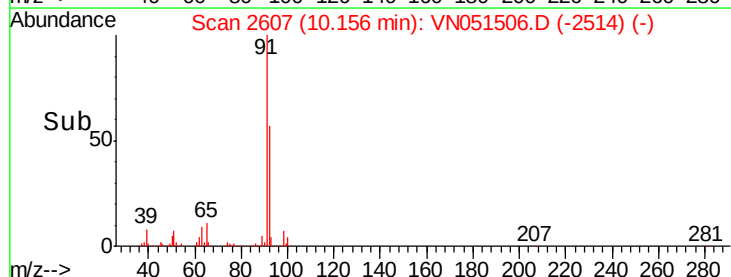
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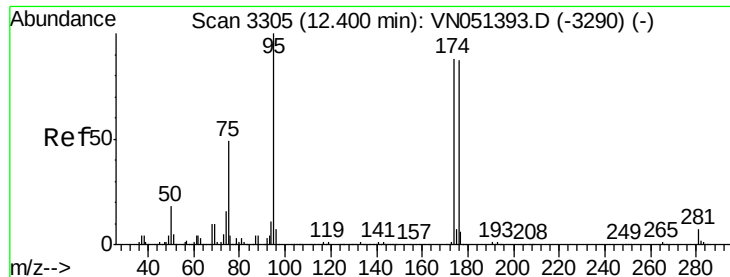
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20000

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Time-->





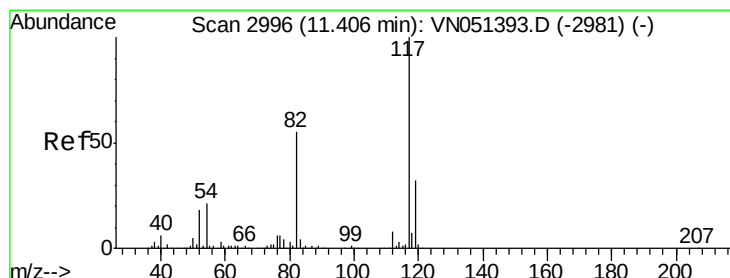
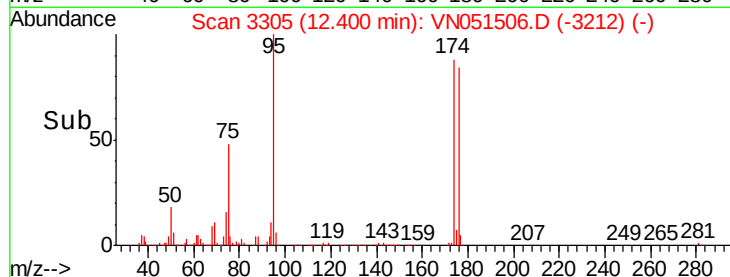
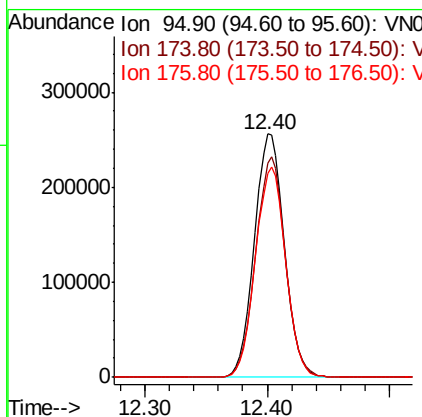
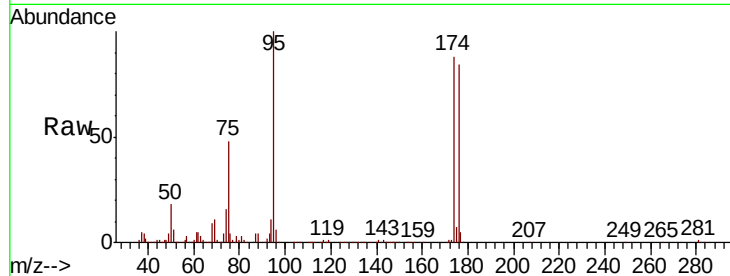
#62
4-Bromofluorobenzene
Concen: 43.597 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051506.D
Acq: 26 Sep 2018 00:54

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW13-GW

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	433094		
174	89.9	0.0	181.6	
176	87.3	0.0	176.4	

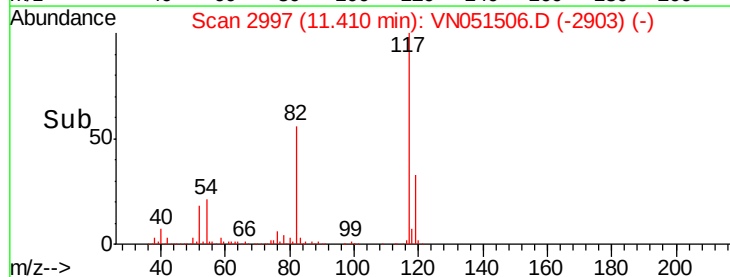
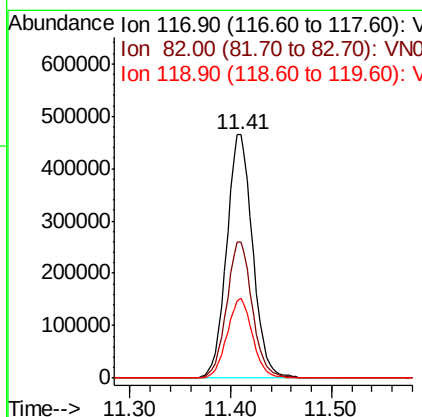
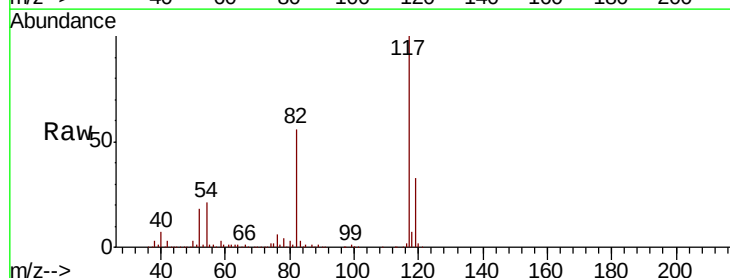
Manual Integrations
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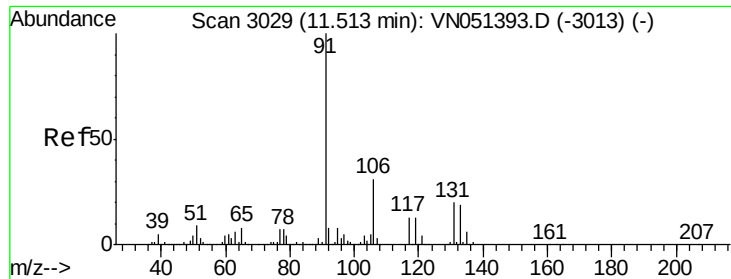
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051506.D
Acq: 26 Sep 2018 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	836459		
82	56.0	44.2	66.2	
119	32.6	25.9	38.9	





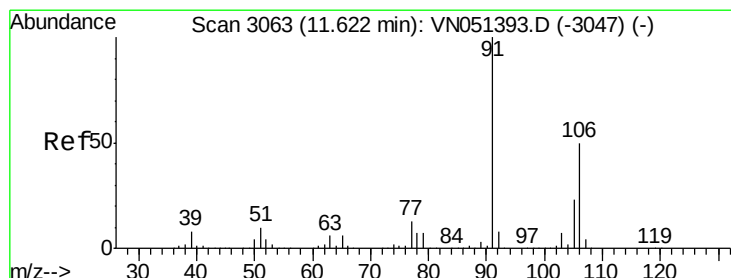
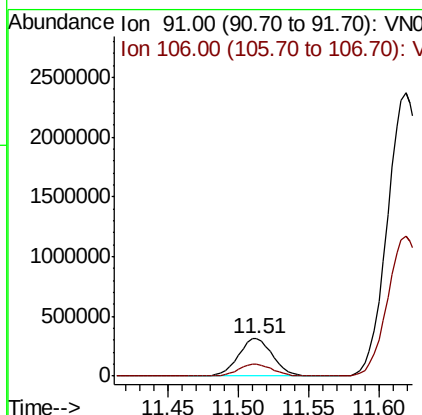
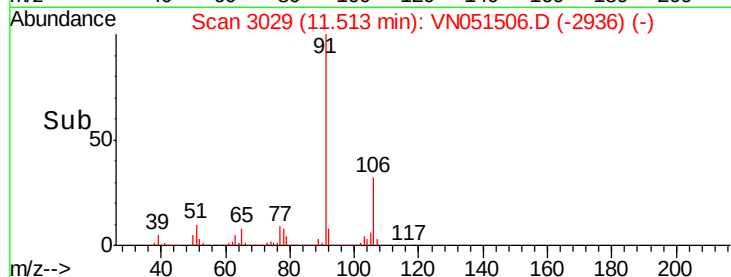
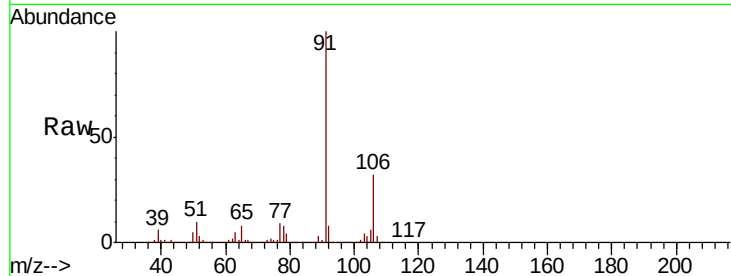
#67
Ethyl Benzene
Concen: 14.901 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051506.D
Acq: 26 Sep 2018 00:54

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW13-GW

Tgt Ion: 91 Resp: 538921
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4

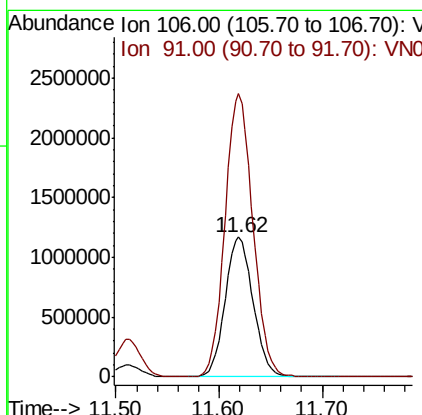
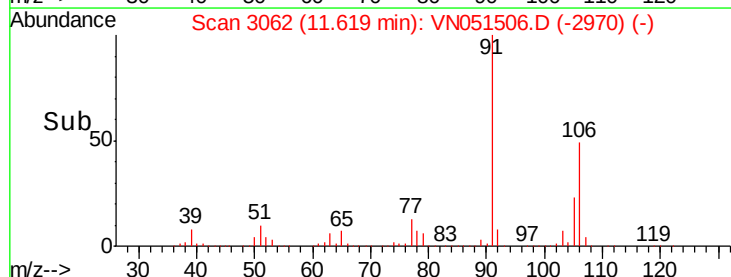
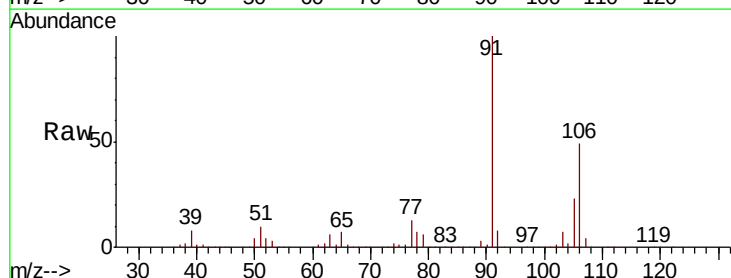
Manual Integrations
APPROVED

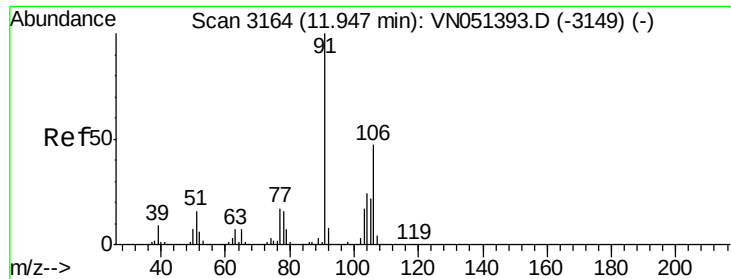
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#68
m/p-Xylenes
Concen: 157.392 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051506.D
Acq: 26 Sep 2018 00:54

Tgt Ion: 106 Resp: 2201878
Ion Ratio Lower Upper
106 100
91 202.4 161.3 241.9





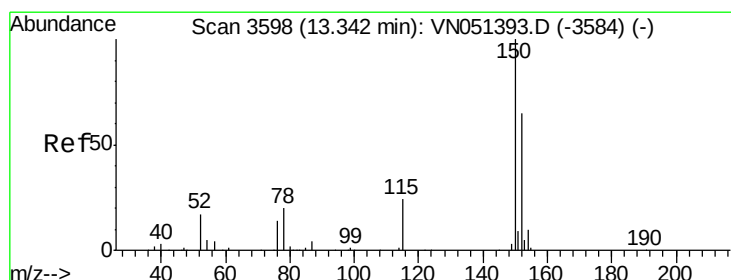
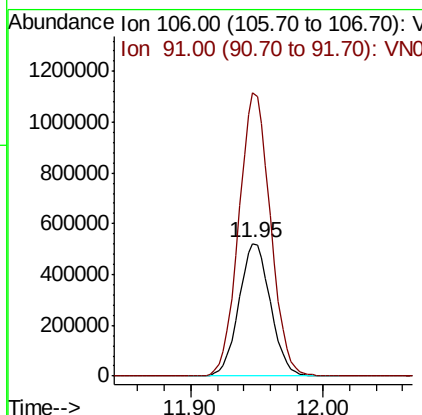
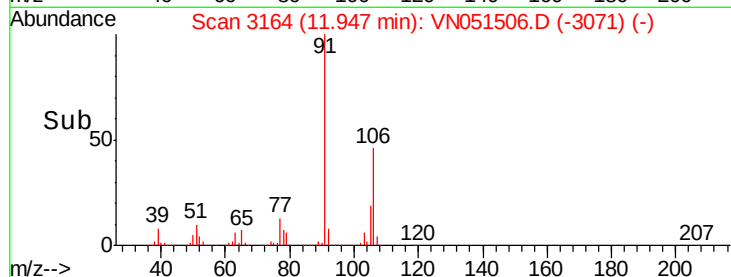
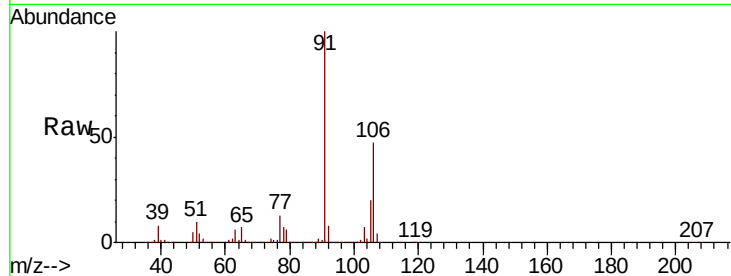
#69
o-Xylene
Concen: 63.969 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051506.D
Acq: 26 Sep 2018 00:54

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW13-GW

Tgt Ion:106 Resp: 860322
Ion Ratio Lower Upper
106 100
91 214.7 105.3 315.9

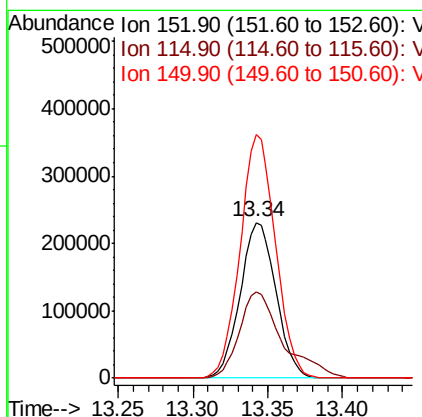
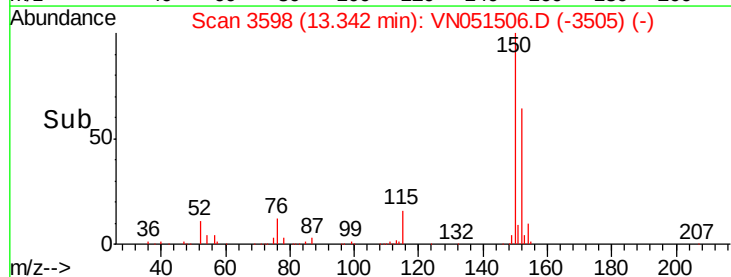
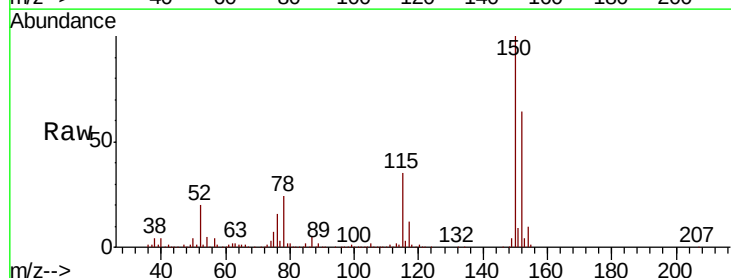
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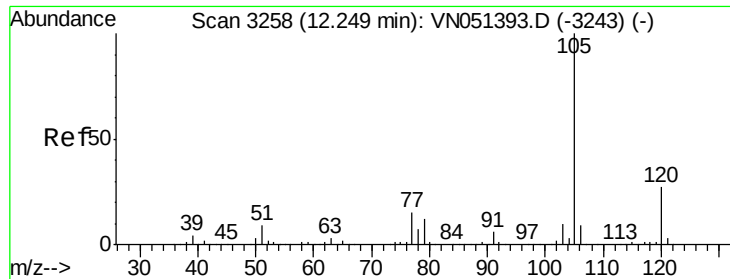
mmdadoda
9/30/2018 9:54:19 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051506.D
Acq: 26 Sep 2018 00:54

Tgt Ion:152 Resp: 384496
Ion Ratio Lower Upper
152 100
115 66.6 28.3 84.9
150 154.4 0.0 353.6





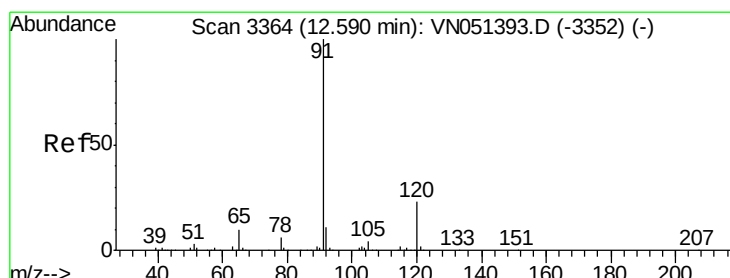
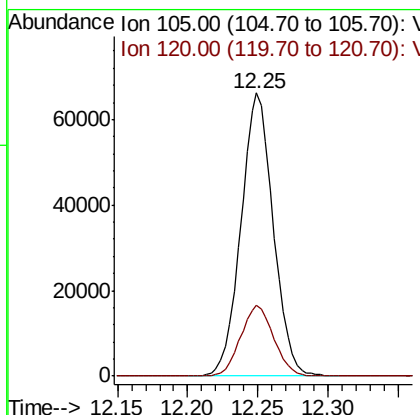
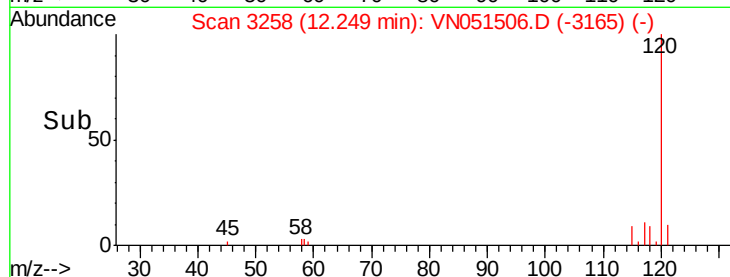
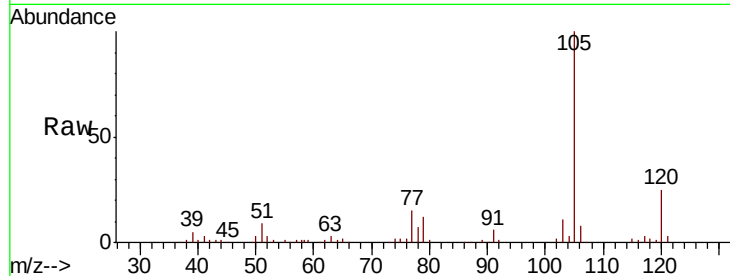
#73
Isopropylbenzene
Concen: 3.270 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051506.D
Acq: 26 Sep 2018 00:54

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW13-GW

Tgt Ion: 105 Resp: 106072
Ion Ratio Lower Upper
105 100
120 25.6 13.3 39.8

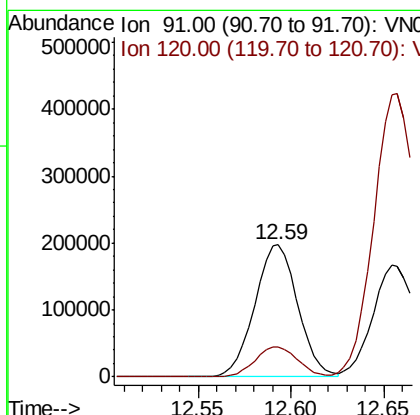
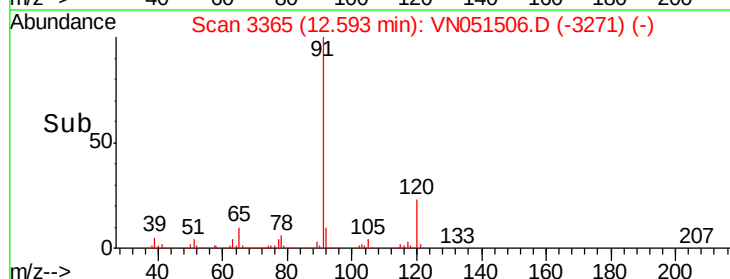
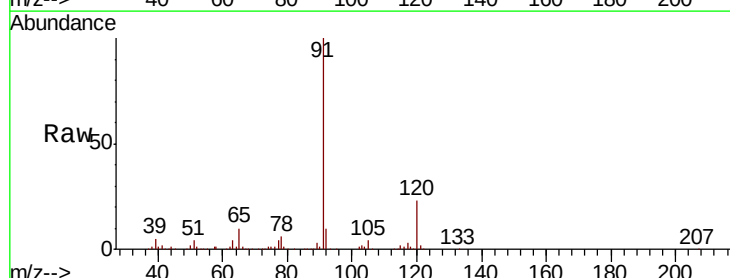
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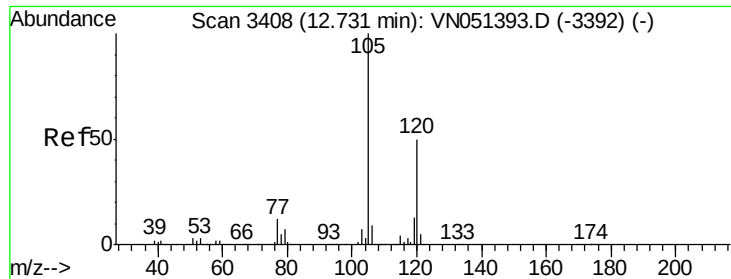
mmdadoda
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#78
n-propylbenzene
Concen: 8.660 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN051506.D
Acq: 26 Sep 2018 00:54

Tgt Ion: 91 Resp: 316630
Ion Ratio Lower Upper
91 100
120 22.7 11.9 35.5





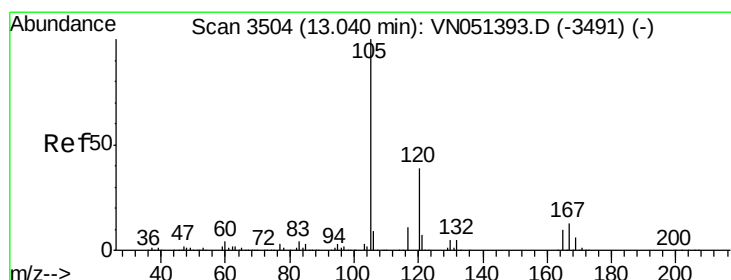
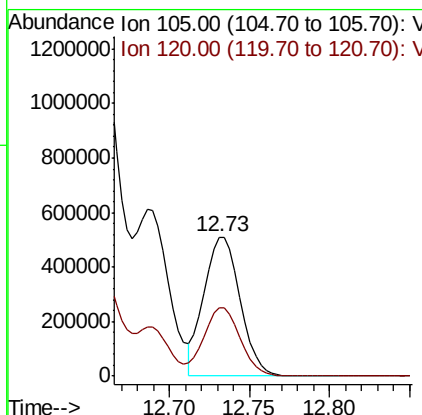
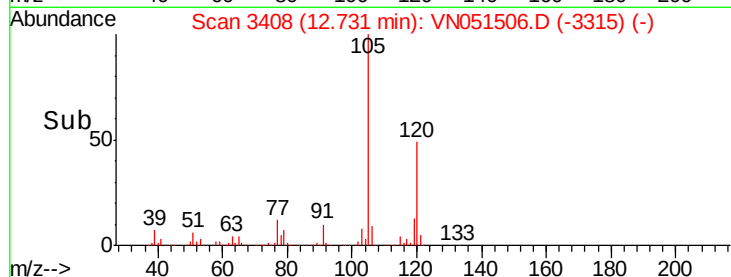
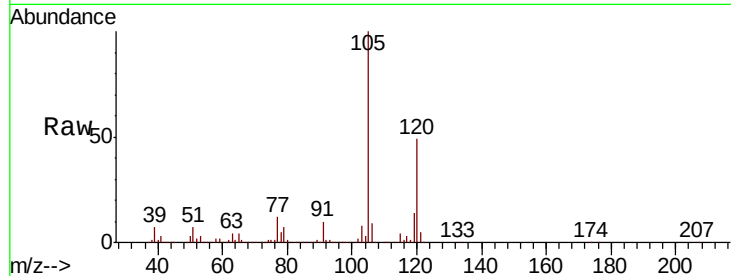
#80
 1,3,5-Trimethylbenzene
 Concen: 30.322 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN051506.D
 Acq: 26 Sep 2018 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW13-GW

Tgt Ion:105 Resp: 802114
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.8 74.4

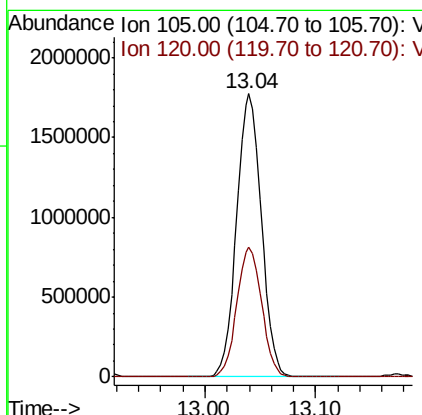
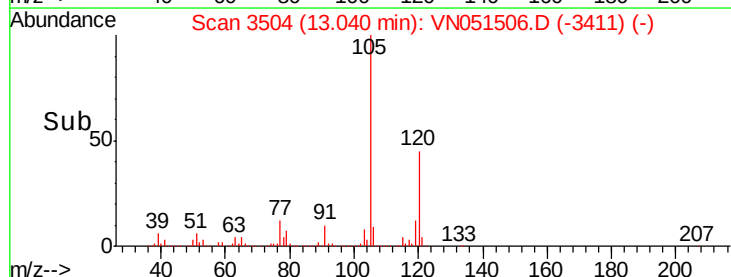
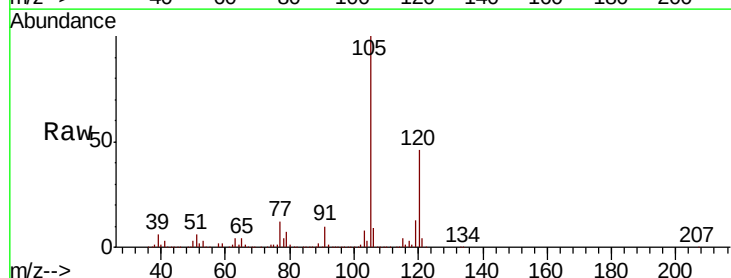
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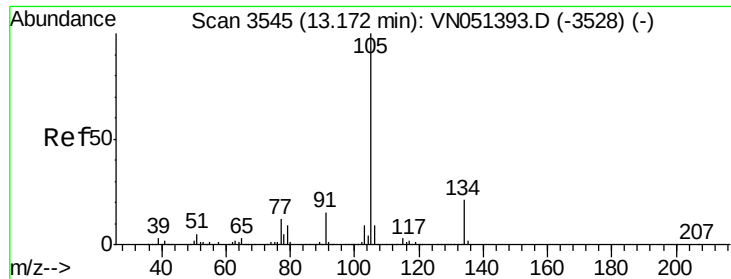
mmdadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 103.493 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051506.D
 Acq: 26 Sep 2018 00:54

Tgt Ion:105 Resp: 2758691
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.7





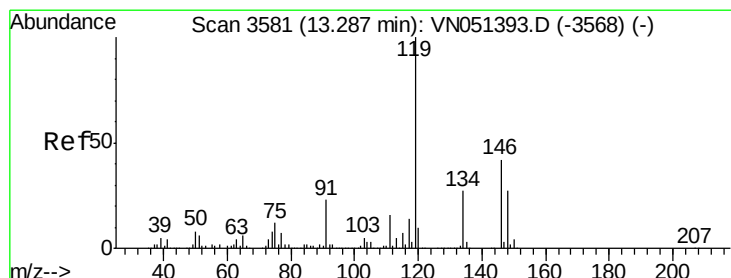
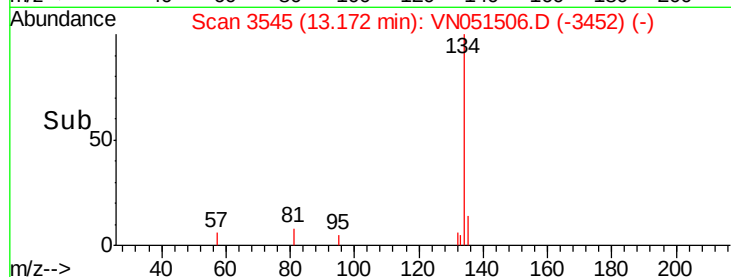
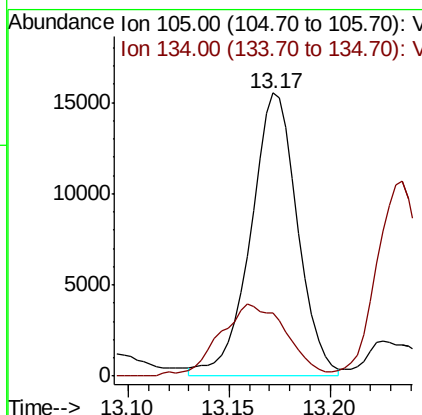
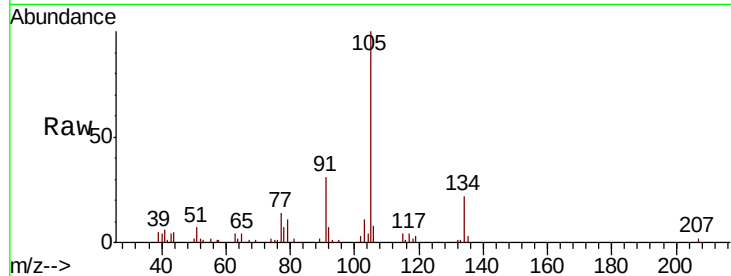
#85
 sec-Butylbenzene
 Concen: 0.792 ug/l m
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051506.D
 Acq: 26 Sep 2018 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW13-GW

Tgt Ion:105 Resp: 25242
 Ion Ratio Lower Upper
 105 100
 134 3.8 10.4 31.1#

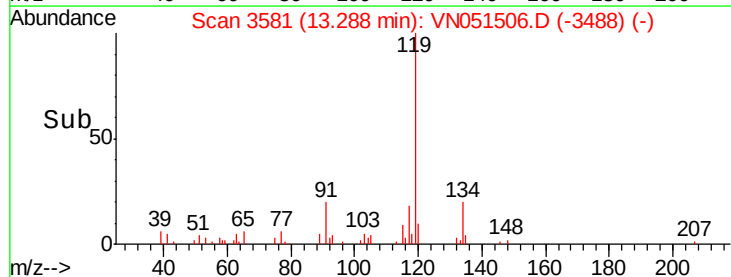
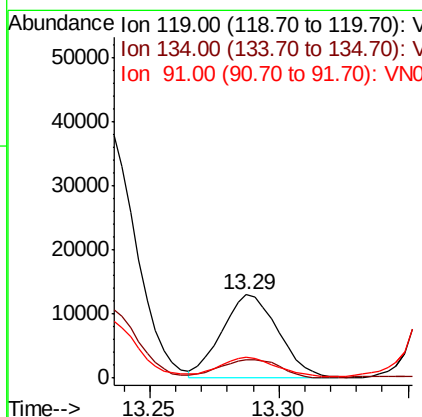
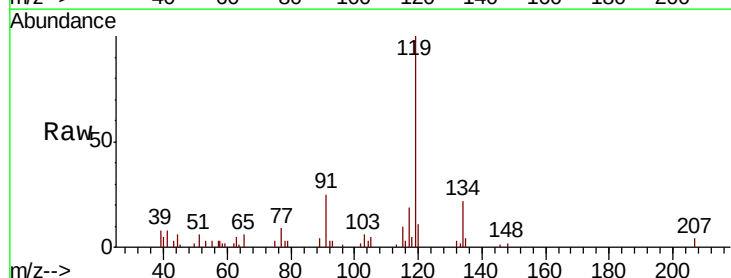
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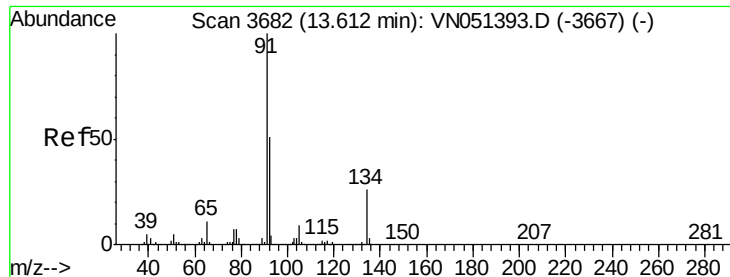
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#86
 p-Isopropyltoluene
 Concen: 0.724 ug/l m
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051506.D
 Acq: 26 Sep 2018 00:54

Tgt Ion:119 Resp: 19967
 Ion Ratio Lower Upper
 119 100
 134 83.3 13.3 39.9#
 91 68.2 11.4 34.2#





#89

n-Butylbenzene

Concen: 1.697 ug/l m

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN051506.D

Acq: 26 Sep 2018 00:54

Instrument :

MSVOA_N

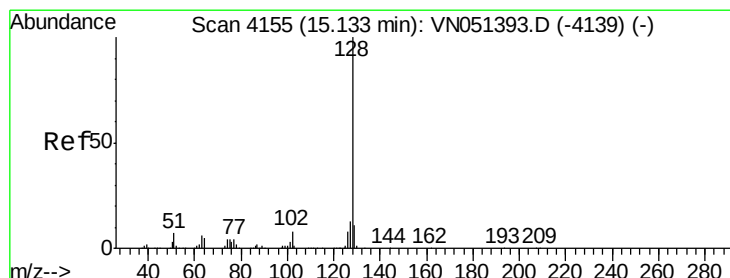
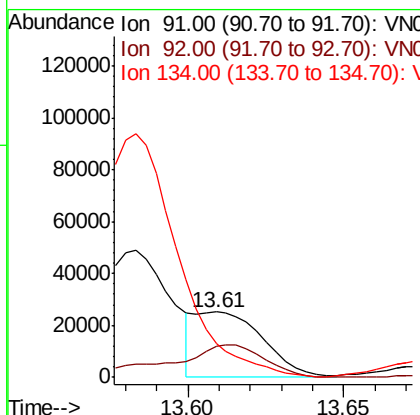
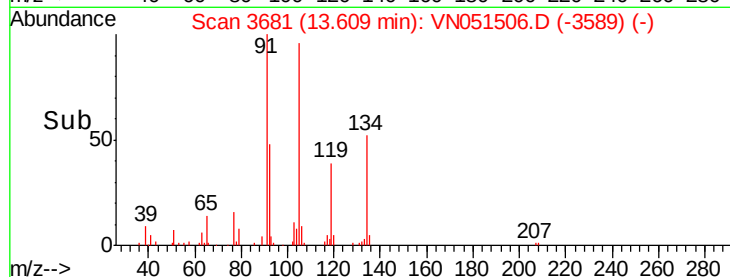
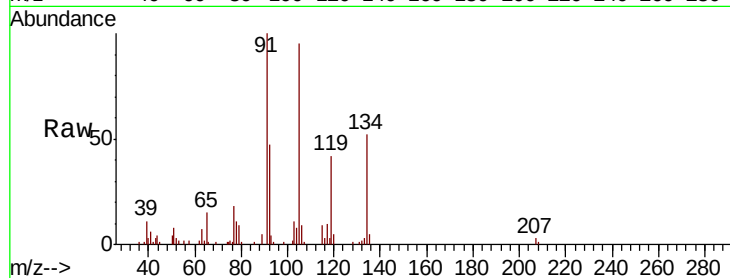
ClientSampleId :

RFK-RMAB-MW13-GW

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.5	76.5#
134	428.1	13.3	39.8#

Manual Integrations
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#95

Naphthalene

Concen: 30.252 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051506.D

Acq: 26 Sep 2018 00:54

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.3	8.6	12.8

