

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054217.D
 Acq On : 13 Mar 2019 17:26
 Operator : JC/SP
 Sample : K1842-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PR-MW-02_030819

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:27:28 AM

Quant Time: Mar 14 10:38:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1404941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2346219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2427552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1146482	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	753159	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
35) Dibromofluoromethane	7.59	113	730918	48.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.60%	
50) Toluene-d8	10.09	98	2881883	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.40	95	1115947	57.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.14%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	52936m	12.391	ug/l	
39) Methylcyclohexane	9.08	83	116672	4.389	ug/l	97
52) Toluene	10.16	92	19707	0.503	ug/l	89
67) Ethyl Benzene	11.51	91	95822	1.084	ug/l	100
73) Isopropylbenzene	12.25	105	4307660	46.962	ug/l	100
78) n-propylbenzene	12.59	91	1788267	17.967	ug/l	99
83) tert-Butylbenzene	12.99	119	51492	0.733	ug/l	98
85) sec-Butylbenzene	13.17	105	380794	4.181	ug/l	85
89) n-Butylbenzene	13.61	91	151434	2.494	ug/l #	76
95) Naphthalene	15.13	128	51706	4.427	ug/l #	93

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

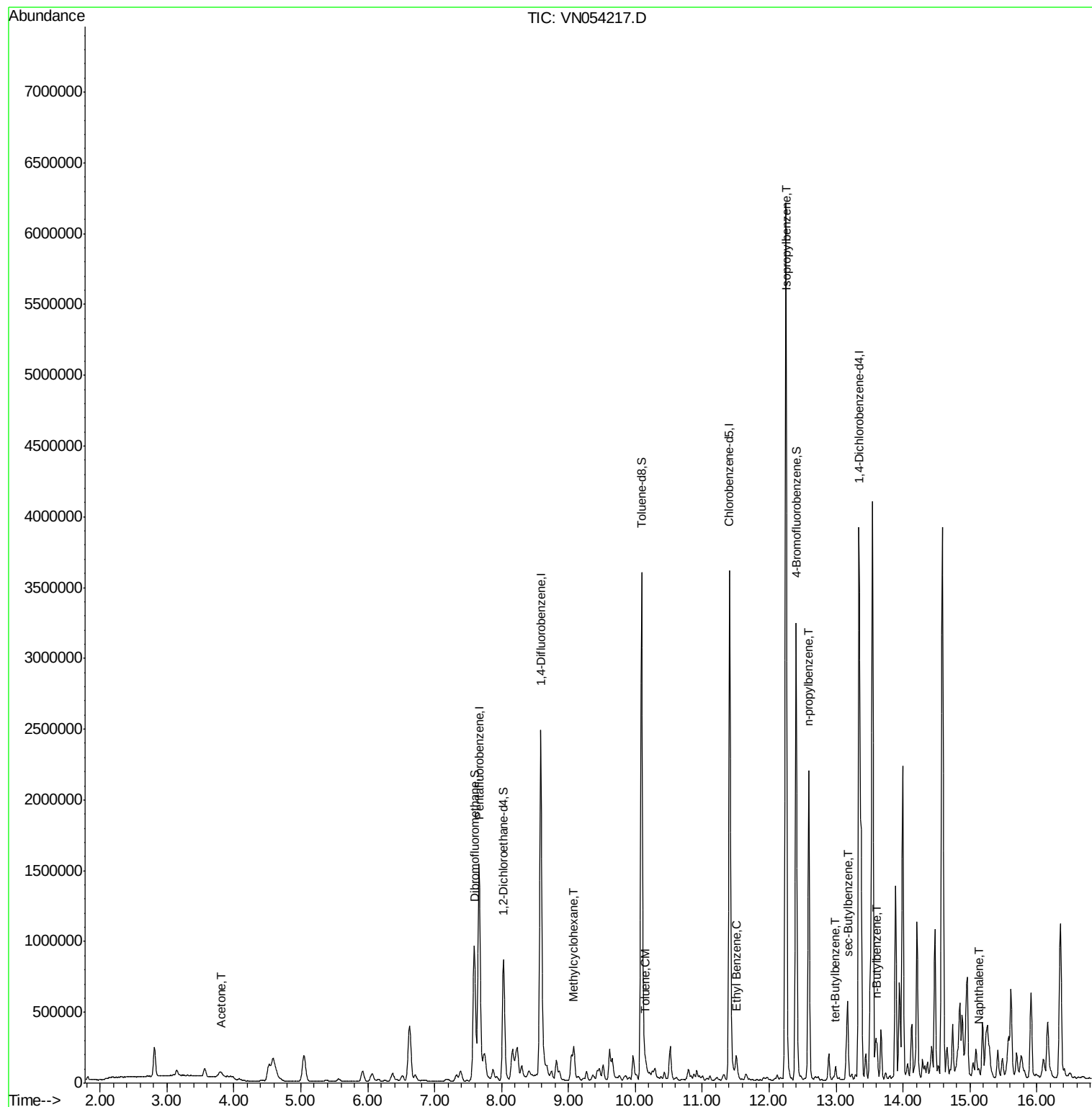
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
Data File : VN054217.D
Acq On : 13 Mar 2019 17:26
Operator : JC/SP
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ALS Vial : 19 Sample Multiplier: 1

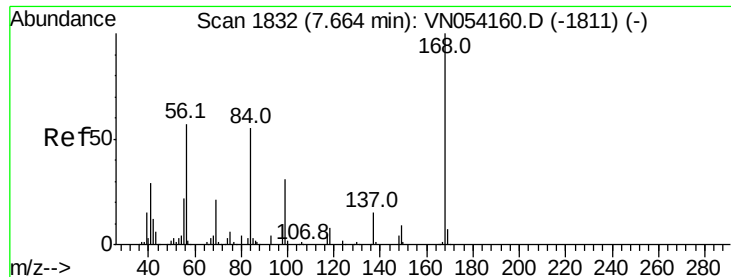
Instrument :
MSVOA_N
ClientSampleId :
PR-MW-02_030819

Manual Integrations
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3/14/2019 10:27:28 AM

Quant Time: Mar 14 10:38:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
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: VN054217.D

Acq: 13 Mar 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-02_030819

Tot Ion:168 Resp: 1404941

Ion Ratio Lower Upper

168 100

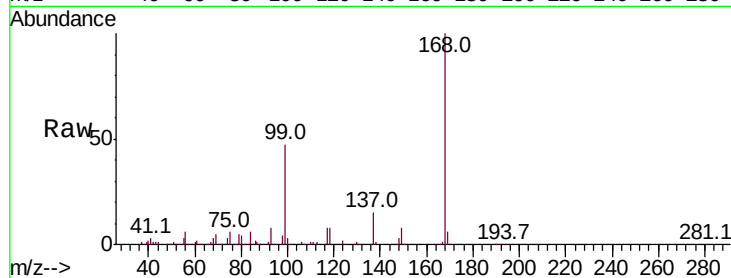
99 46.9 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

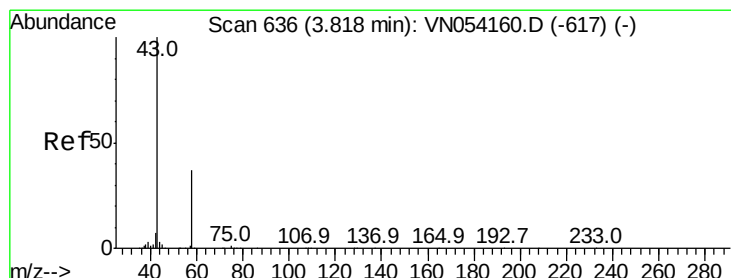
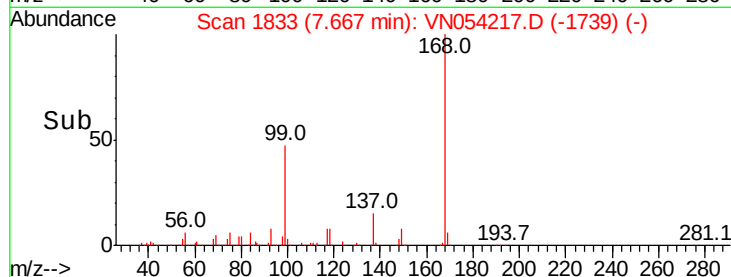
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 12.391 ug/l m

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054217.D

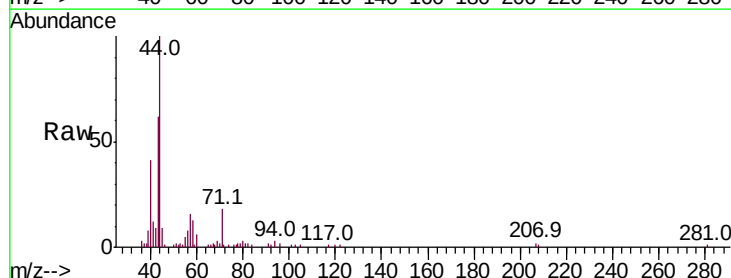
Acq: 13 Mar 2019 17:26

Tgt Ion: 43 Resp: 52936

Ion Ratio Lower Upper

43 100

58 21.7 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

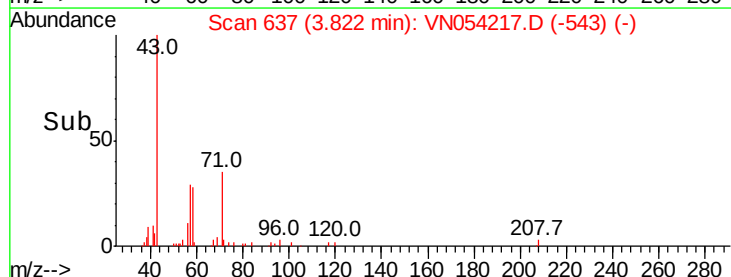
3.82

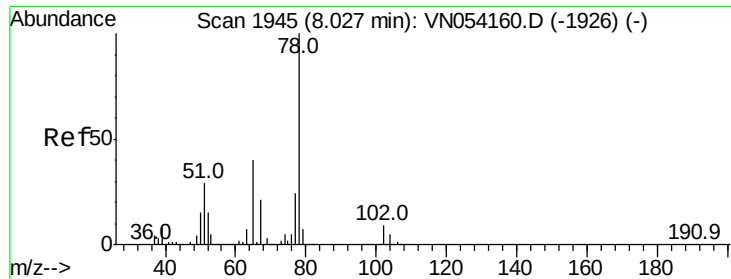
10000

5000

0

Time-->





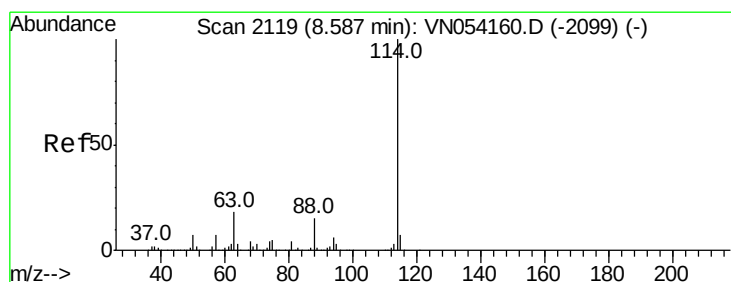
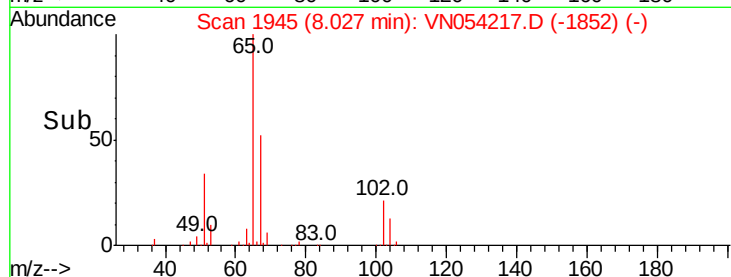
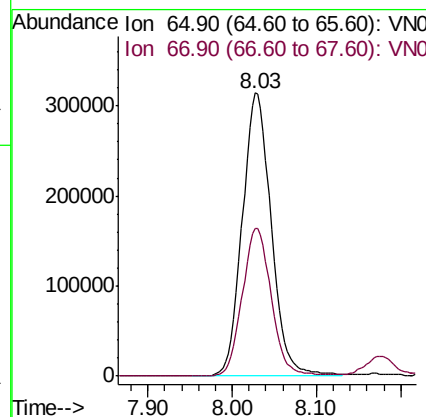
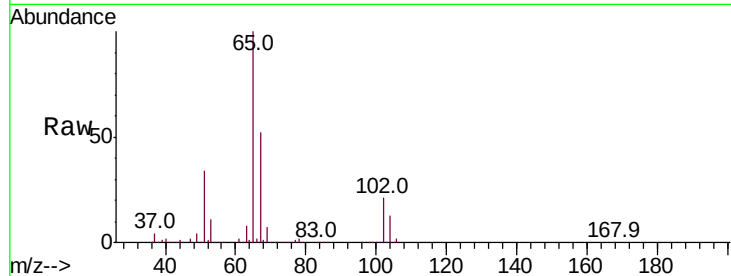
#33
 1,2-Dichloroethane-d4
 Concen: 50.478 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054217.D
 Acq: 13 Mar 2019 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PR-MW-02_030819

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6

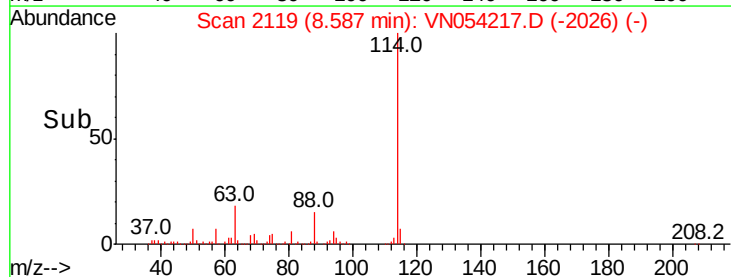
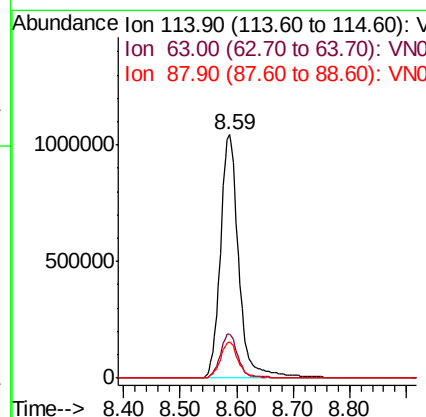
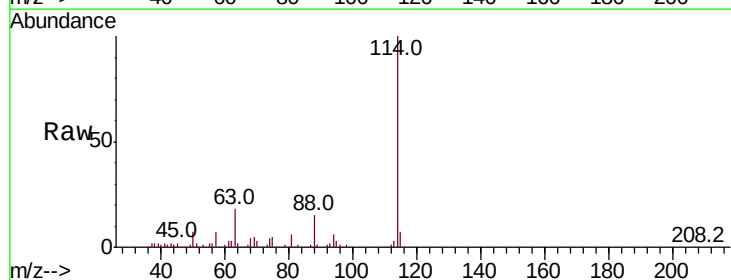
Manual Integrations
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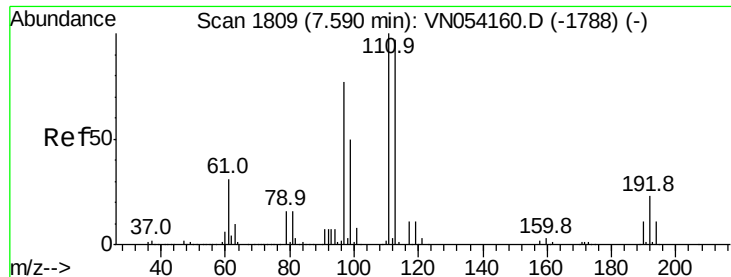
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054217.D
 Acq: 13 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	35.2
88	14.7	0.0	30.2





#35

Dibromofluoromethane

Concen: 48.302 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

Instrument :

MSVOA_N

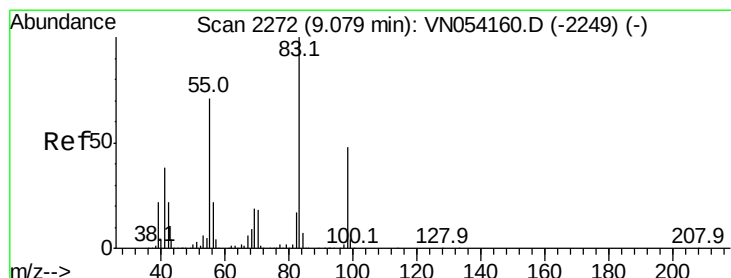
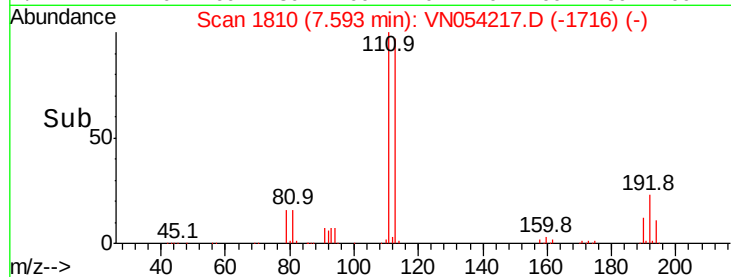
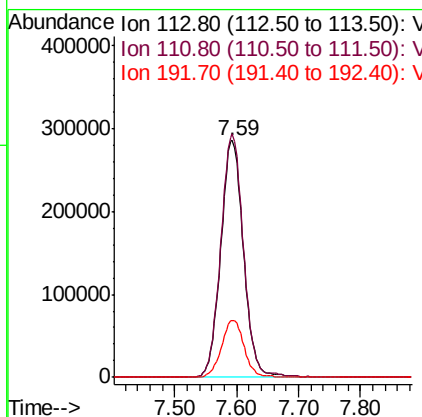
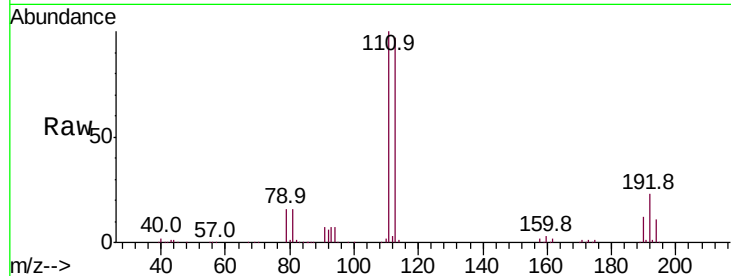
ClientSampleId :

PR-MW-02_030819

Tot Ion:	113	Resp:	730918
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.2	123.4
192	24.0	19.2	28.8

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#39

Methylcyclohexane

Concen: 4.389 ug/l

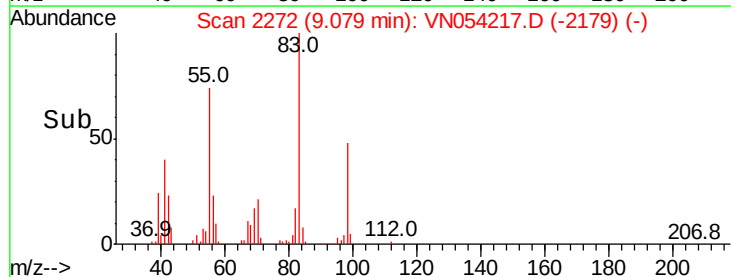
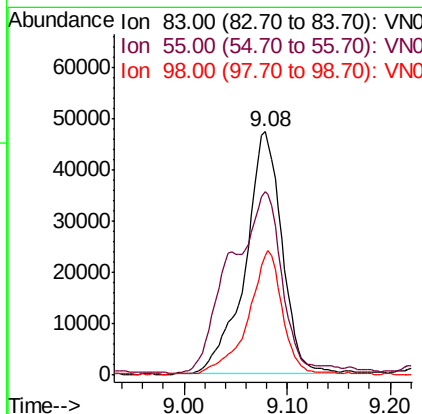
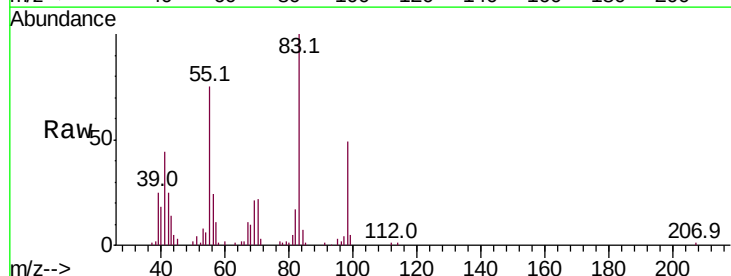
RT: 9.08 min Scan# 2272

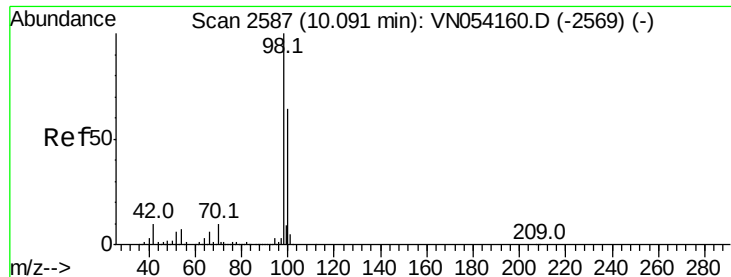
Delta R.T. 0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

Tgt Ion:	83	Resp:	116672
Ion Ratio	Lower	Upper	
83	100		
55	73.7	56.6	84.8
98	49.0	38.4	57.6





#50

Toluene-d8

Concen: 51.568 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-02_030819

Tot Ion: 98 Resp: 2881883

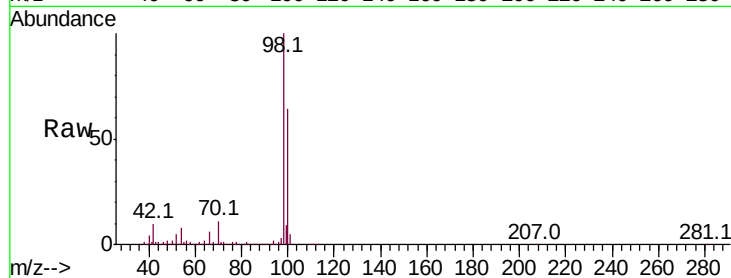
Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1500000

1000000

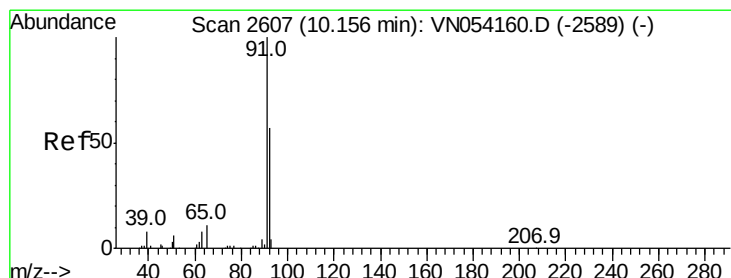
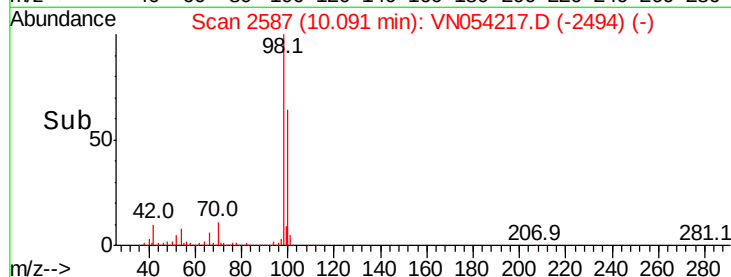
500000

0

10.09

10.00 10.10 10.20

Time-->



#52

Toluene

Concen: 0.503 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN054217.D

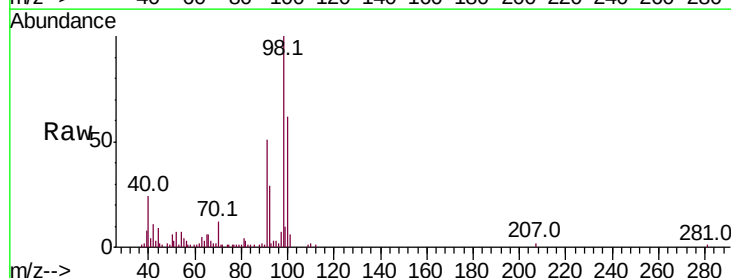
Acq: 13 Mar 2019 17:26

Tgt Ion: 92 Resp: 19707

Ion Ratio Lower Upper

92 100

91 161.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

20000

15000

10000

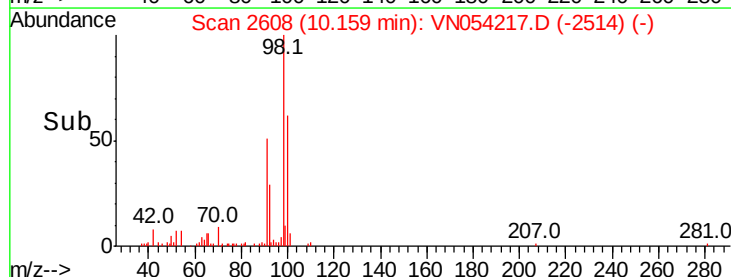
5000

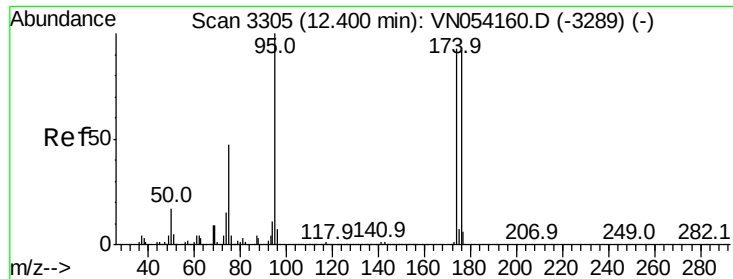
0

10.16

10.10 10.15 10.20

Time-->





#62

4-Bromofluorobenzene

Concen: 57.069 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-02_030819

Tot Ion: 95 Resp: 1115947

Ion Ratio Lower Upper

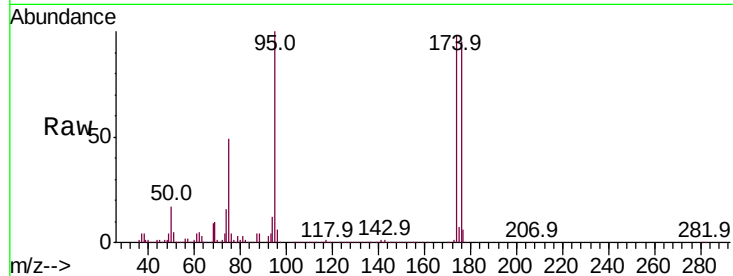
95 100

174 98.3 0.0 191.0

176 95.4 0.0 187.4

Manual Integrations
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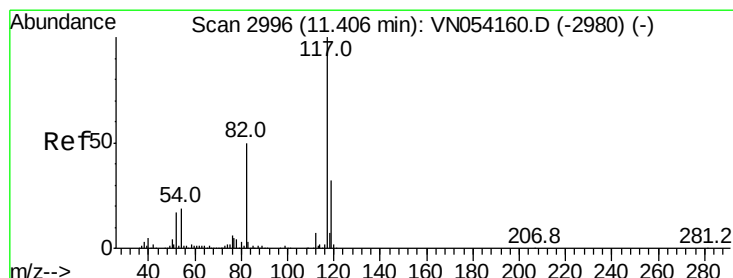
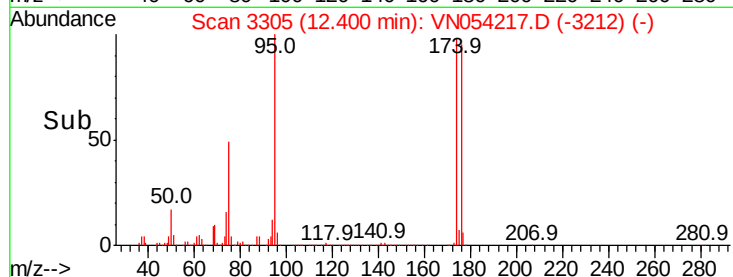
Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.40

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

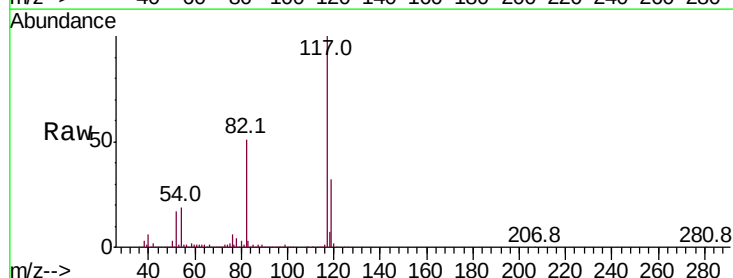
Tgt Ion: 117 Resp: 2427552

Ion Ratio Lower Upper

117 100

82 50.6 40.0 60.0

119 32.0 25.8 38.6



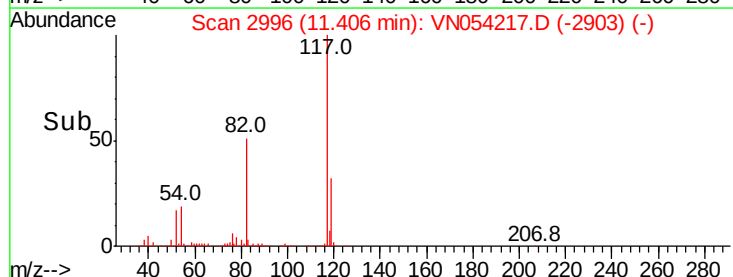
Abundance Ion 116.90 (116.60 to 117.60): VN0

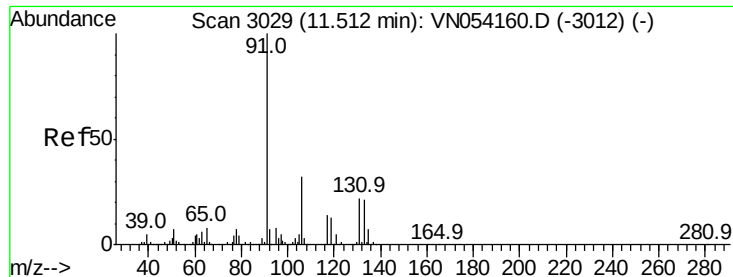
Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41

Time--> 11.30 11.40 11.50 11.60





#67

Ethyl Benzene

Concen: 1.084 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-02_030819

Tot Ion: 91 Resp: 95822

Ion Ratio Lower Upper

91 100

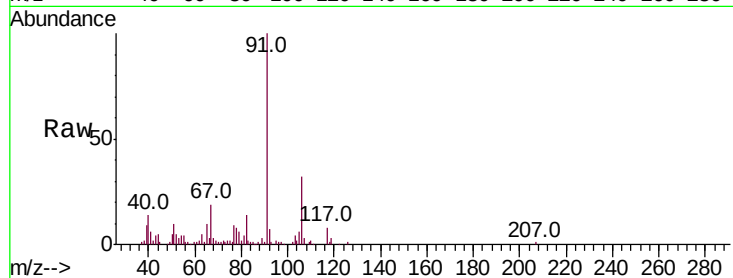
106 32.0 25.5 38.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN054160.D (-3012) (-)

60000

50000

40000

30000

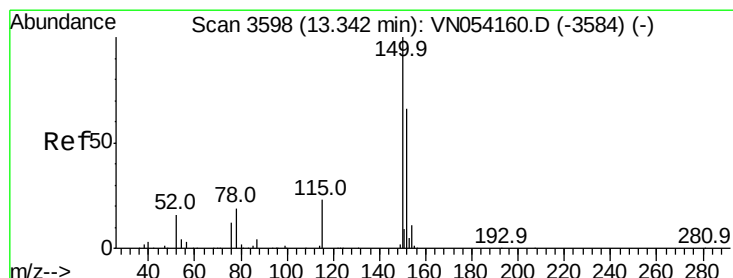
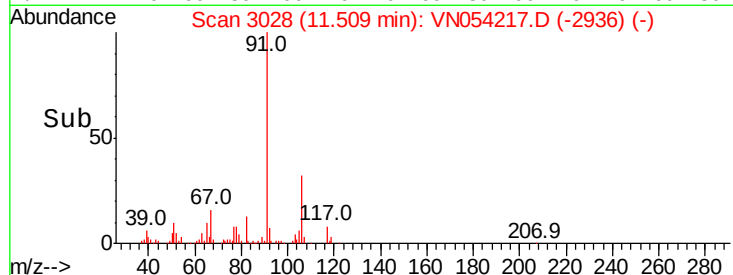
20000

10000

0

11.45 11.50 11.55 11.60

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

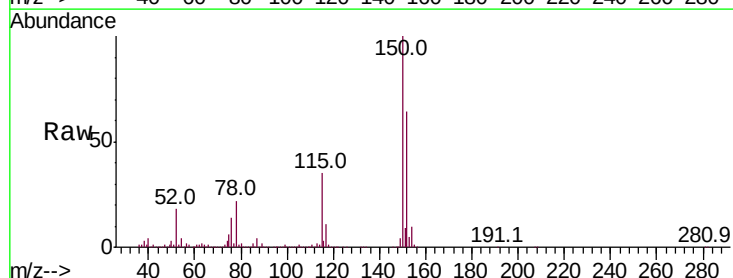
Tgt Ion: 152 Resp: 1146482

Ion Ratio Lower Upper

152 100

115 58.4 27.2 81.6

150 156.5 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): VN054160.D (-3584) (-)

Ion 114.90 (114.60 to 115.60): VN054160.D (-3584) (-)

Ion 149.90 (149.60 to 150.60): VN054160.D (-3584) (-)

1500000

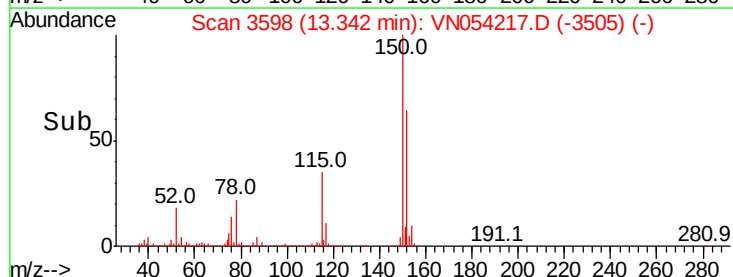
1000000

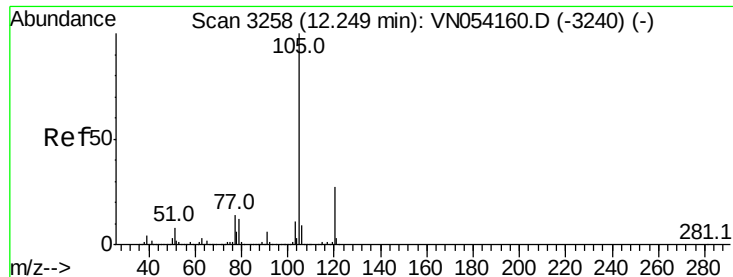
500000

0

13.30 13.34 13.38

Time-->





#73

Isopropylbenzene

Concen: 46.962 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-02_030819

Tot Ion:105 Resp: 4307660

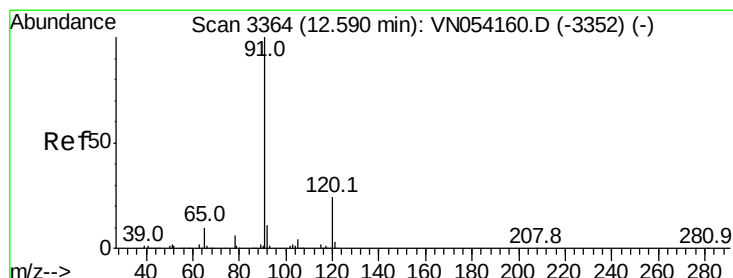
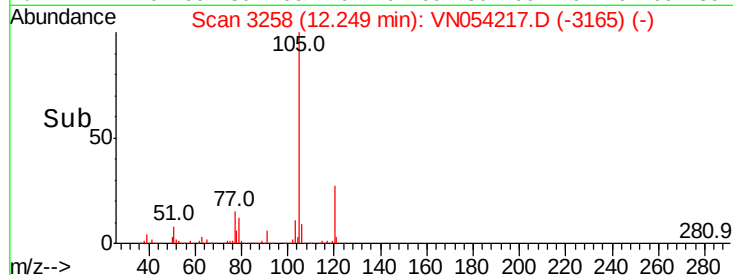
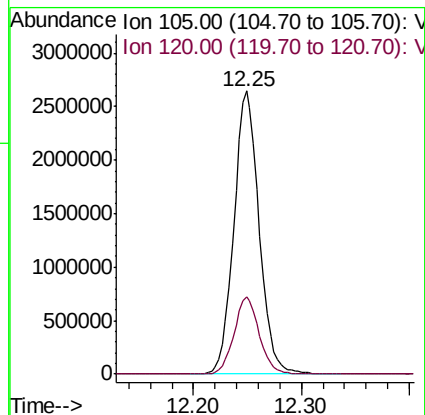
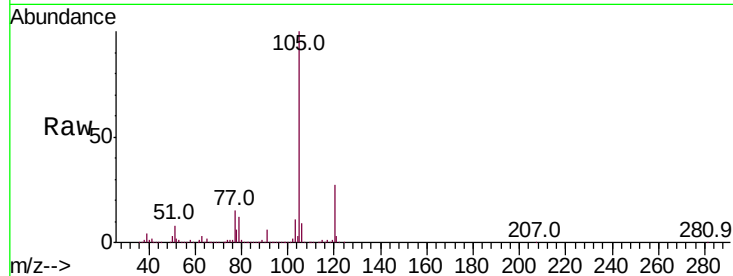
Ion Ratio Lower Upper

105 100

120 27.3 13.8 41.3

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#78

n-propylbenzene

Concen: 17.967 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054217.D

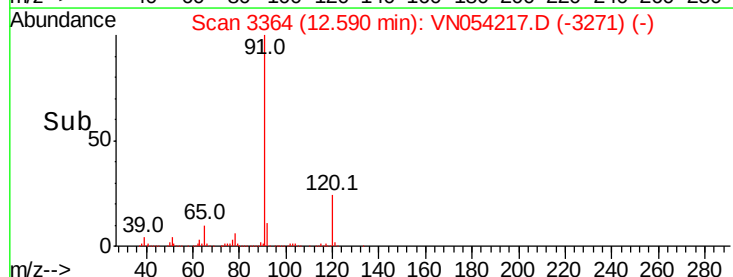
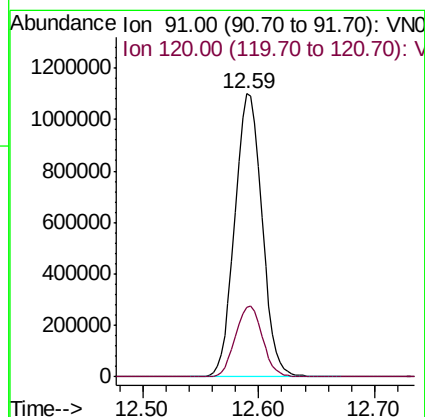
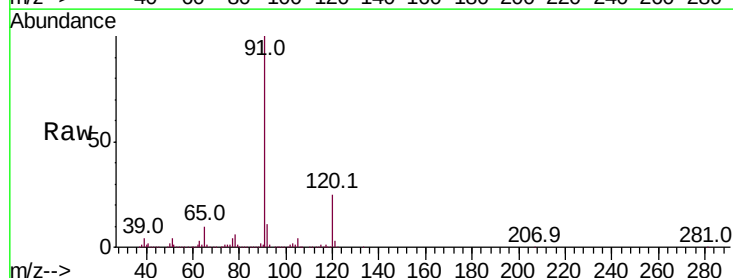
Acq: 13 Mar 2019 17:26

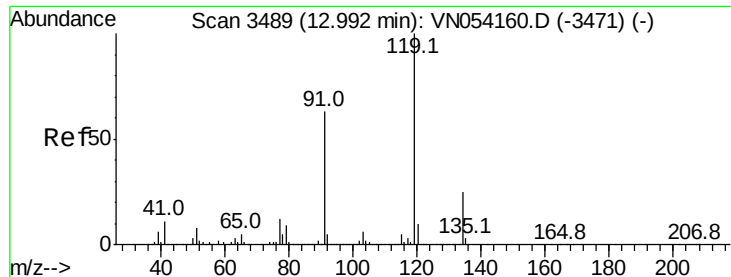
Tgt Ion: 91 Resp: 1788267

Ion Ratio Lower Upper

91 100

120 25.0 12.3 36.9





#83

tert-Butylbenzene

Concen: 0.733 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

Instrument :

MSVOA_N

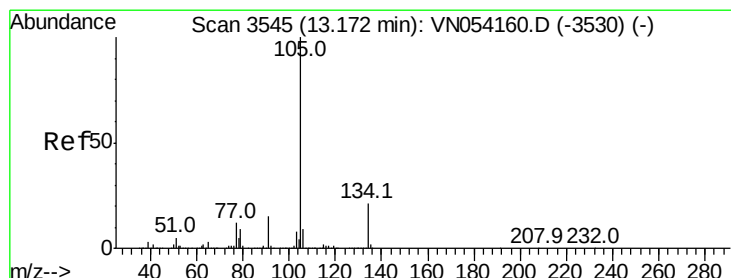
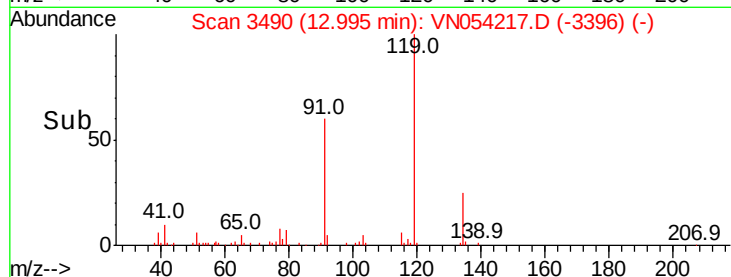
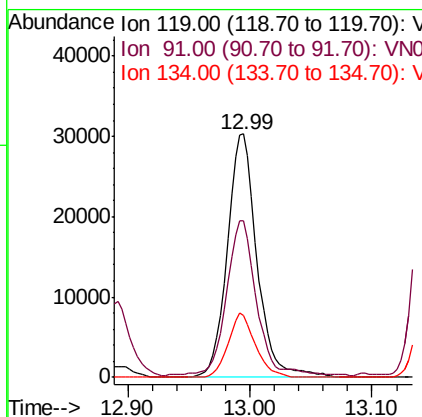
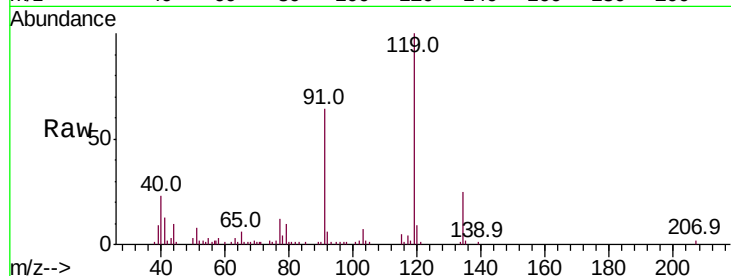
ClientSampleId :

PR-MW-02_030819

Tot Ion:	119	Resp:	51492
Ion Ratio	Lower	Upper	
119	100		
91	61.1	30.9	92.8
134	24.1	13.2	39.6

Manual Integrations
APPROVED

MMDadoda
3/14/2019 10:27:28 AM



#85

sec-Butylbenzene

Concen: 4.181 ug/l

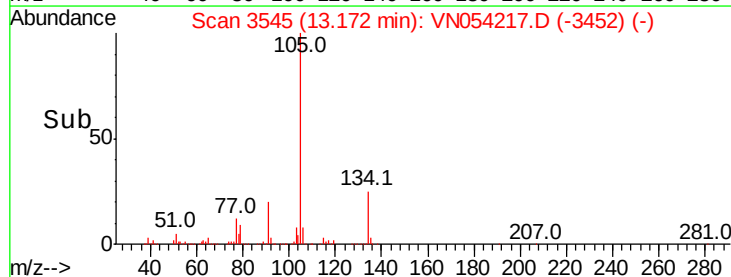
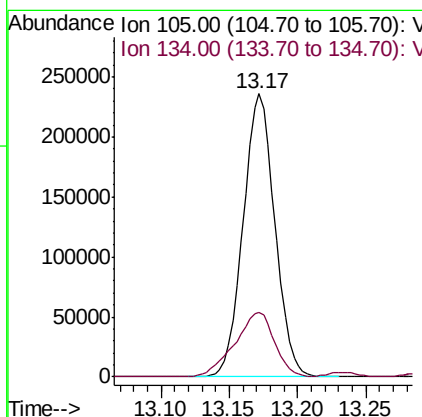
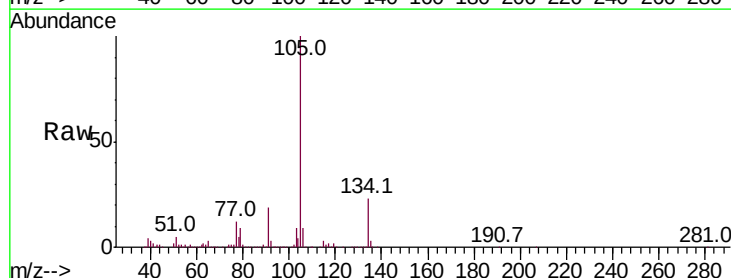
RT: 13.17 min Scan# 3545

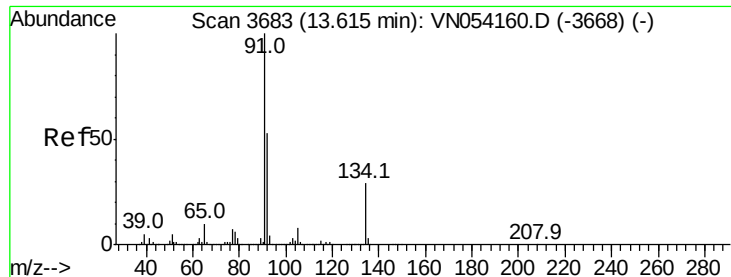
Delta R.T. 0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

Tgt Ion:	105	Resp:	380794
Ion Ratio	Lower	Upper	
105	100		
134	28.5	10.7	32.1





#89

n-Butylbenzene

Concen: 2.494 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

Instrument :

MSVOA_N

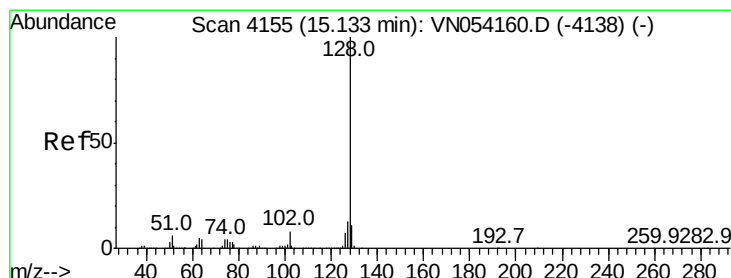
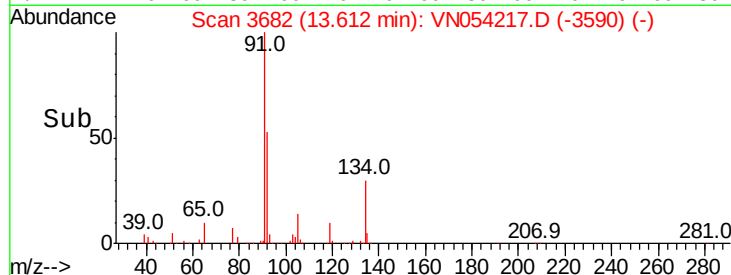
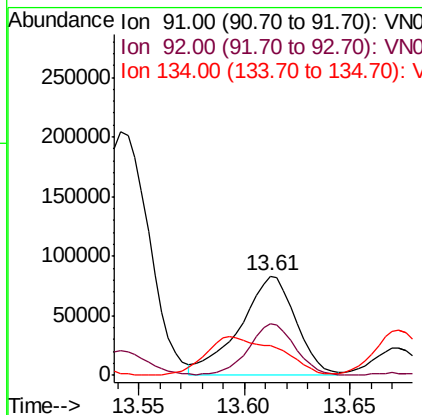
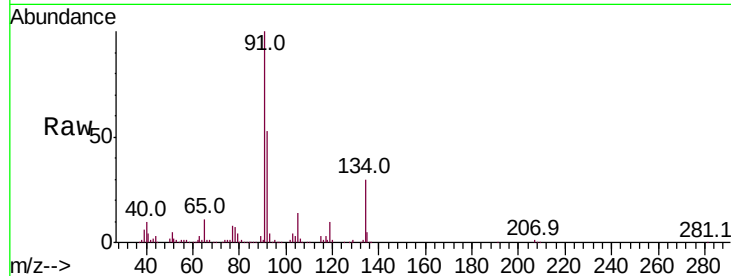
ClientSampleId :

PR-MW-02_030819

Tot Ion:	91	Resp:	151434
Ion Ratio	Lower	Upper	
91	100		
92	43.6	26.2	78.6
134	52.0	14.3	42.9#

Manual Integrations
APPROVED

MMDadoda
3/14/2019 10:27:28 AM



#95

Naphthalene

Concen: 4.427 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054217.D

Acq: 13 Mar 2019 17:26

Tgt Ion:	128	Resp:	51706
Ion Ratio	Lower	Upper	
128	100		
127	15.0	10.1	15.1
129	8.2	8.7	13.1#

