

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
 Data File : VN054323.D
 Acq On : 15 Mar 2019 21:28
 Operator : JC/SP
 Sample : K1903-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

Quant Time: Mar 16 04:49:41 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

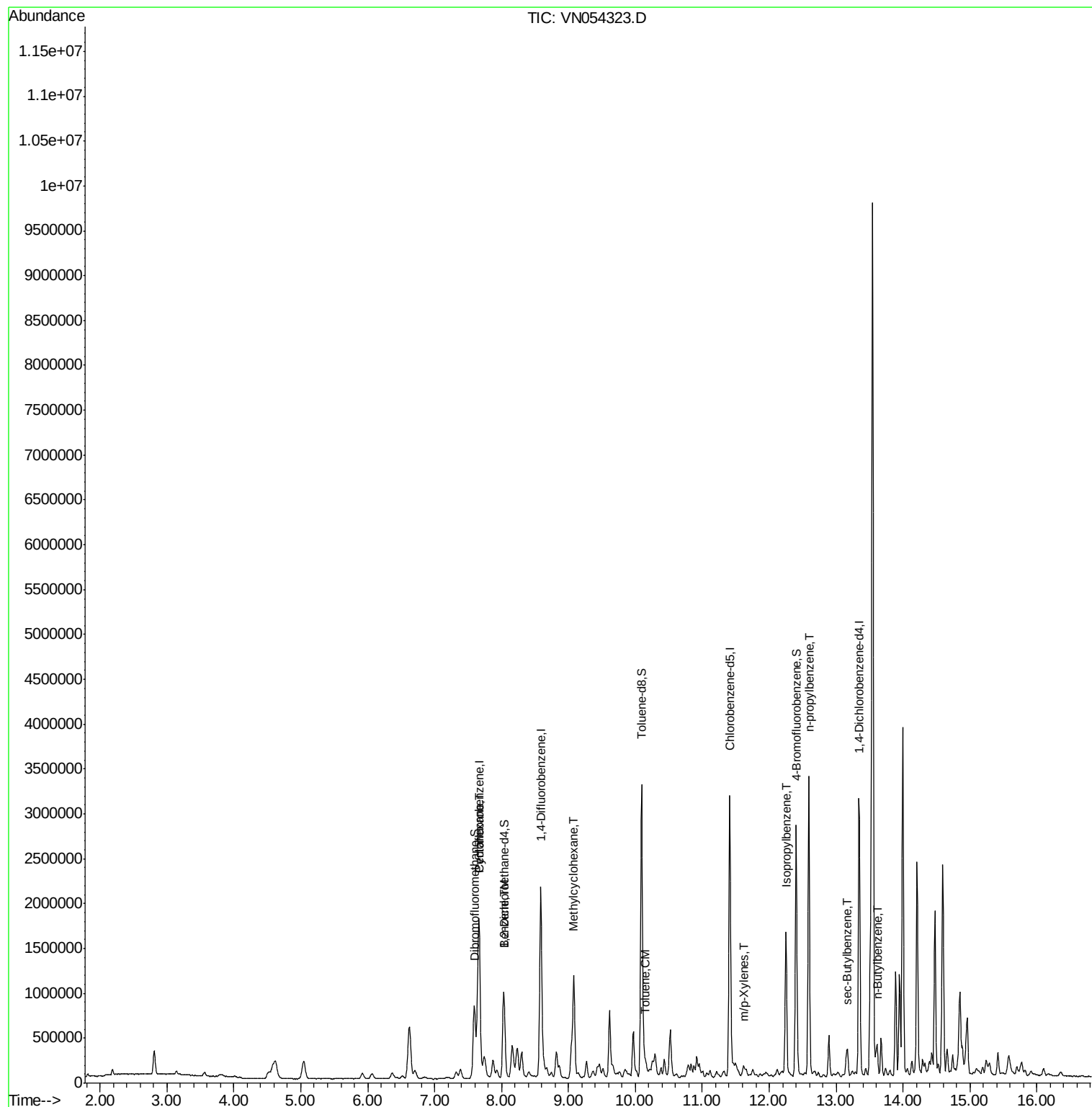
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1184407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1969318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2108852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	932876	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	634656	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
35) Dibromofluoromethane	7.59	113	617795	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
50) Toluene-d8	10.09	98	2490998	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.40	95	962300	58.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.26%	
Target Compounds						
31) Cyclohexane	7.65	56	474372	24.453	ug/l	98
39) Methylcyclohexane	9.08	83	574381	25.741	ug/l	98
40) Benzene	8.04	78	349319	6.731	ug/l	99
52) Toluene	10.16	92	38607	1.173	ug/l	99
68) m/p-Xylenes	11.62	106	41941	1.398	ug/l	100
73) Isopropylbenzene	12.25	105	1149352	15.399	ug/l	100
78) n-propylbenzene	12.59	91	2777404	34.295	ug/l	100
85) sec-Butylbenzene	13.17	105	179015	2.416	ug/l #	57
89) n-Butylbenzene	13.62	91	209117	4.233	ug/l	88

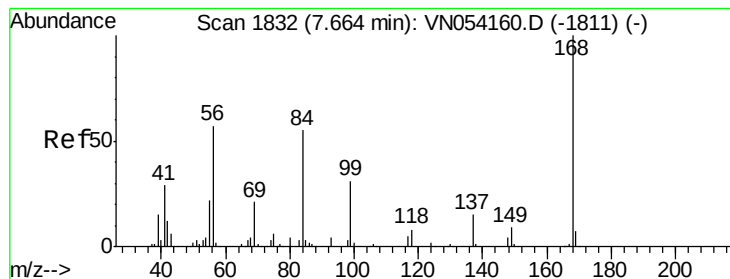
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054323.D

Acq: 15 Mar 2019 21:28

Instrument :

MSVOA_N

ClientSampled :

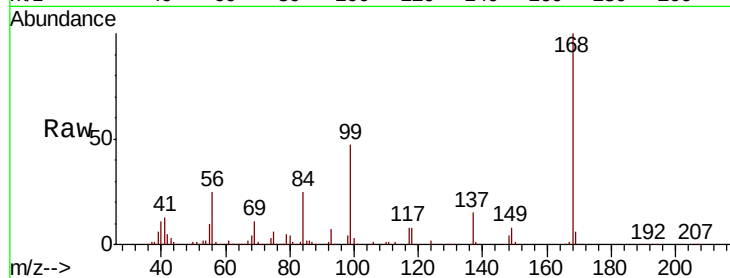
TW-3

Tgt Ion:168 Resp: 1184407

Ion Ratio Lower Upper

168 100

99 46.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054323.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN054323.D (-1739) (-)

7.67

500000

400000

300000

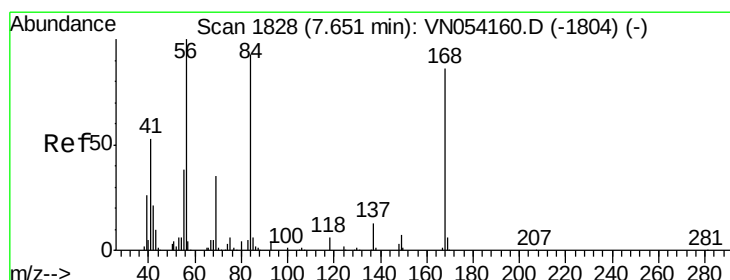
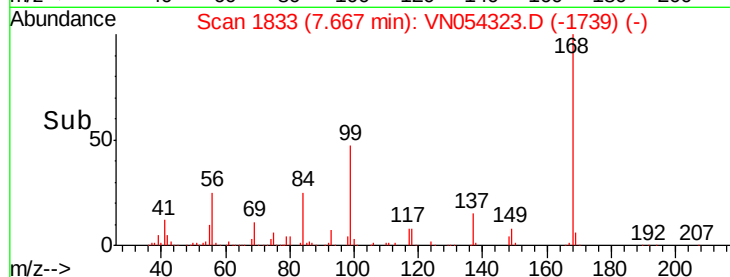
200000

100000

0

7.60 7.70 7.80

Time-->



#31

Cyclohexane

Concen: 24.453 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054323.D

Acq: 15 Mar 2019 21:28

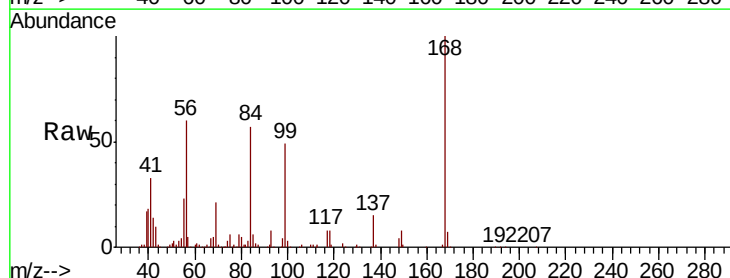
Tgt Ion: 56 Resp: 474372

Ion Ratio Lower Upper

56 100

69 34.8 27.8 41.6

84 95.9 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN054323.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN054323.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN054323.D (-1735) (-)

7.65

200000

150000

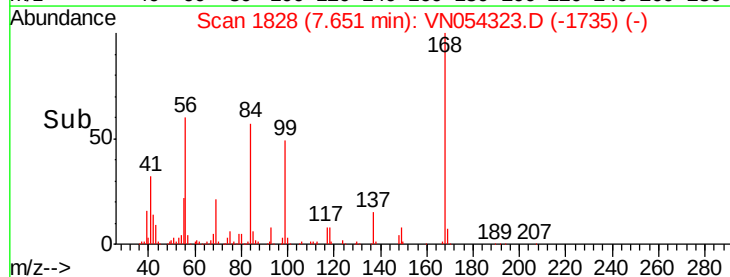
100000

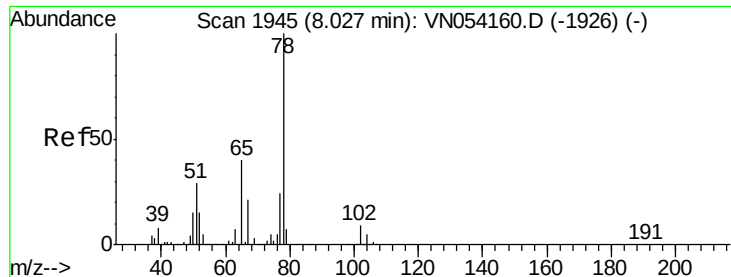
50000

0

7.55 7.60 7.65 7.70

Time-->

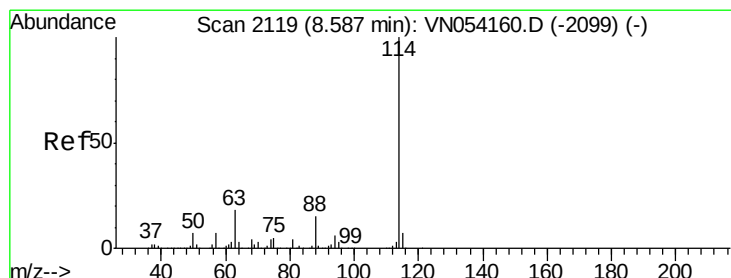
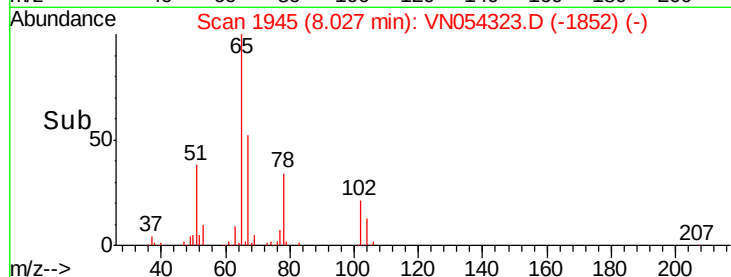
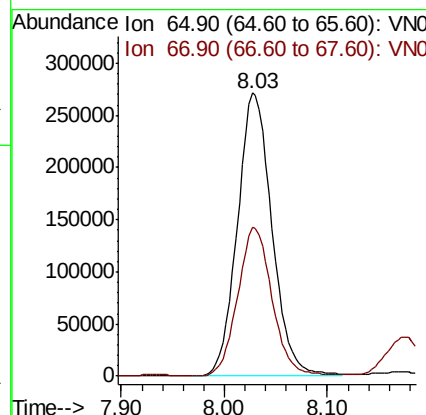
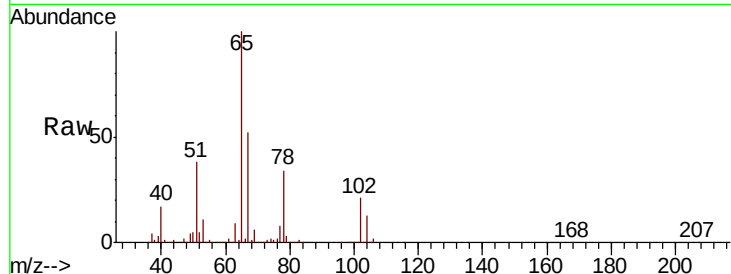




#33
 1,2-Dichloroethane-d4
 Concen: 50.456 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054323.D
 Acq: 15 Mar 2019 21:28

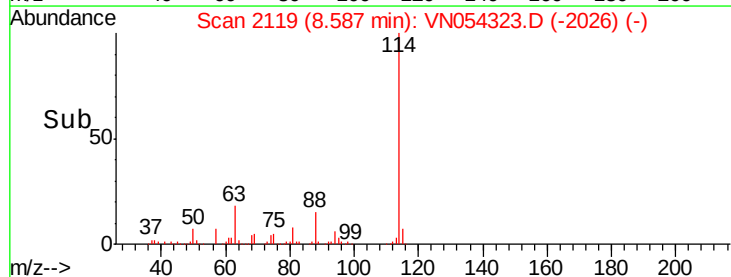
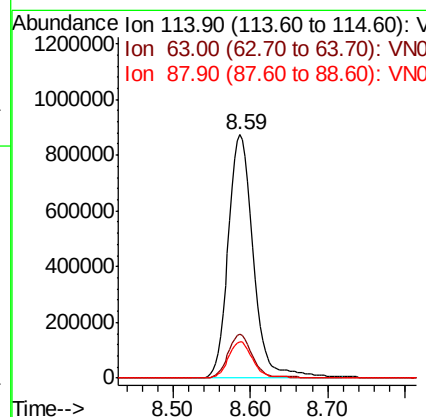
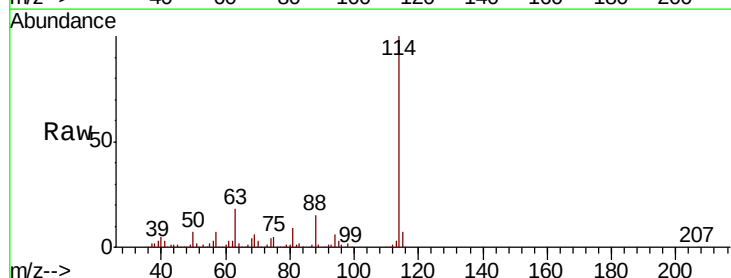
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

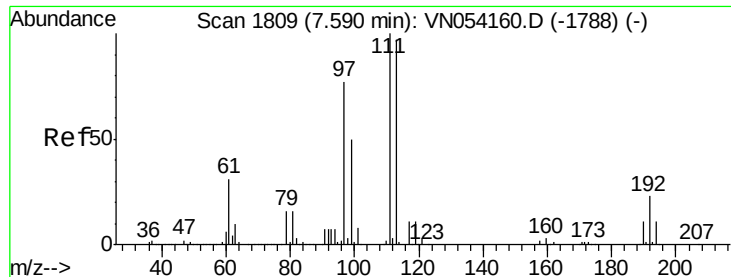
Tgt Ion: 65 Resp: 634656
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054323.D
 Acq: 15 Mar 2019 21:28

Tgt Ion: 114 Resp: 1969318
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 15.0 0.0 30.2

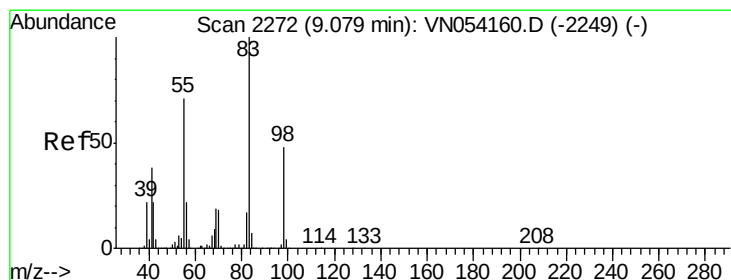
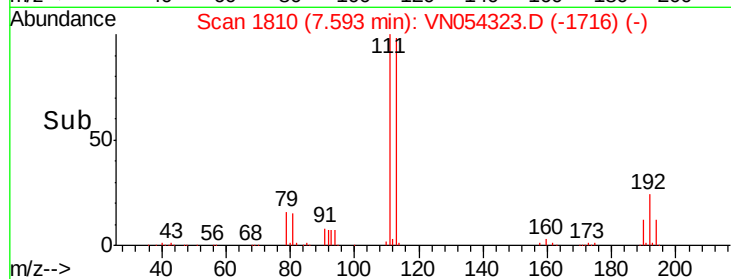
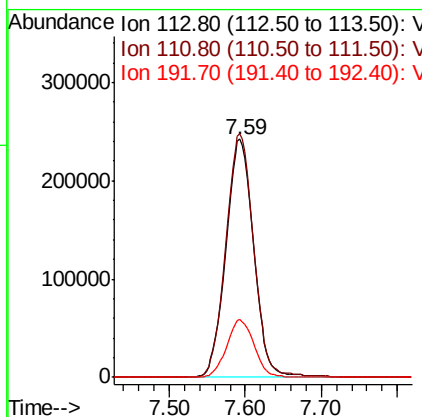
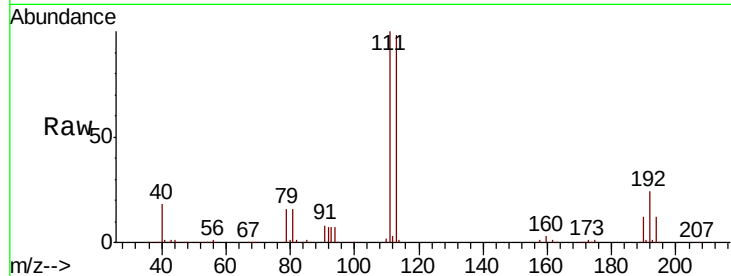




#35
 Dibromofluoromethane
 Concen: 48.640 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054323.D
 Acq: 15 Mar 2019 21:28

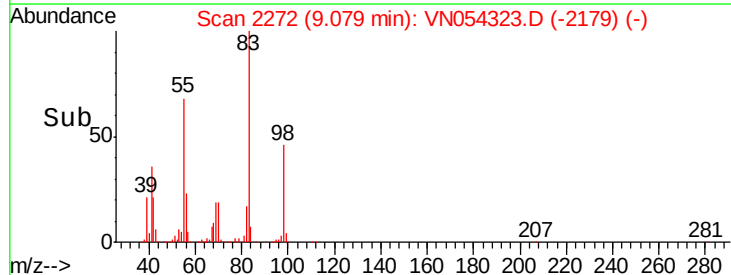
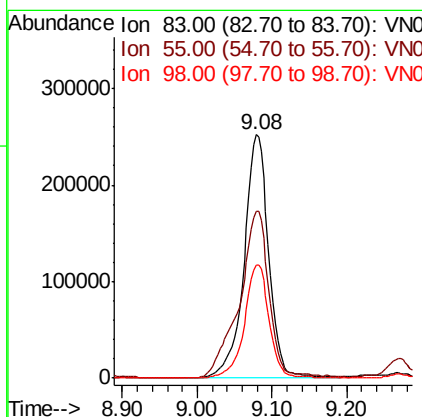
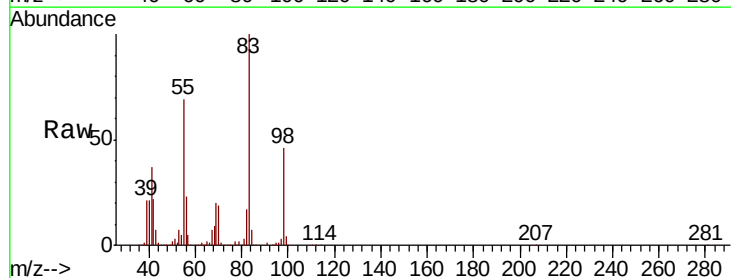
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

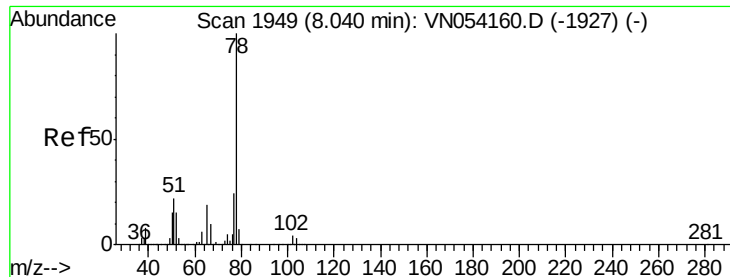
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	23.9	19.2	28.8



#39
 Methylcyclohexane
 Concen: 25.741 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054323.D
 Acq: 15 Mar 2019 21:28

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.6	56.6	84.8
98	46.5	38.4	57.6





#40

Benzene

Concen: 6.731 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054323.D

Acq: 15 Mar 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

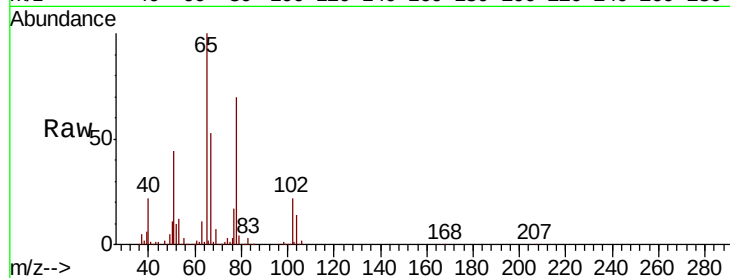
TW-3

Tgt Ion: 78 Resp: 349319

Ion Ratio Lower Upper

78 100

77 24.5 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

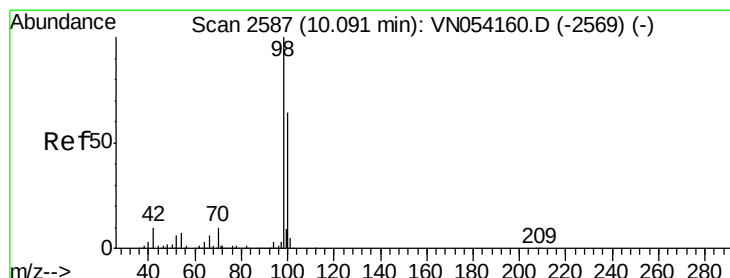
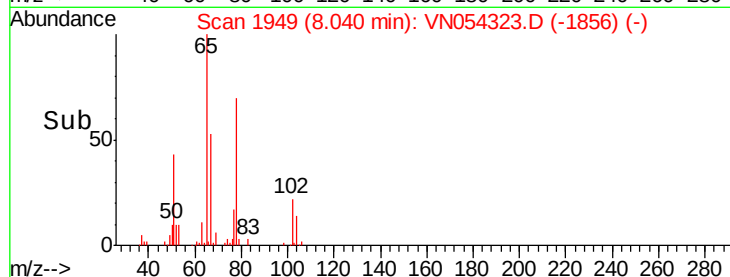
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#50

Toluene-d8

Concen: 53.104 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054323.D

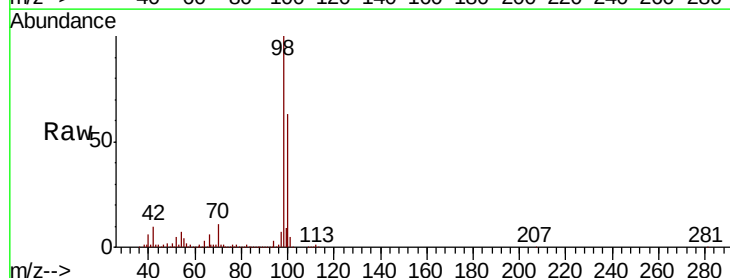
Acq: 15 Mar 2019 21:28

Tgt Ion: 98 Resp: 2490998

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

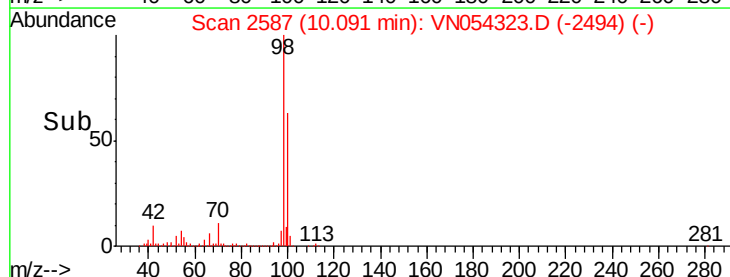
10.09

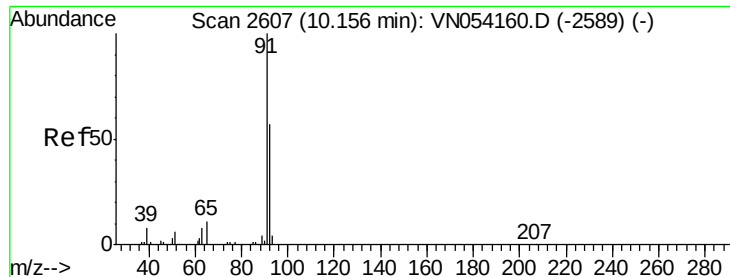
1000000

500000

0

Time--> 10.00 10.10 10.20





#52

Toluene

Concen: 1.173 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054323.D

Acq: 15 Mar 2019 21:28

Instrument :

MSVOA_N

ClientSampled :

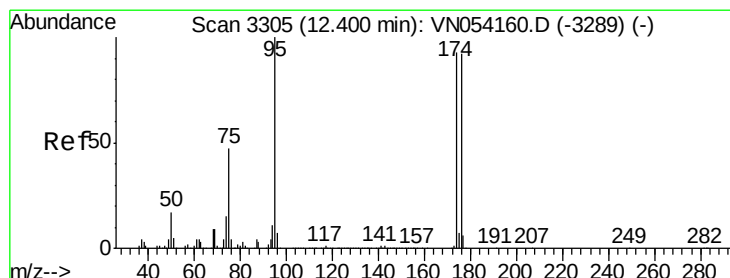
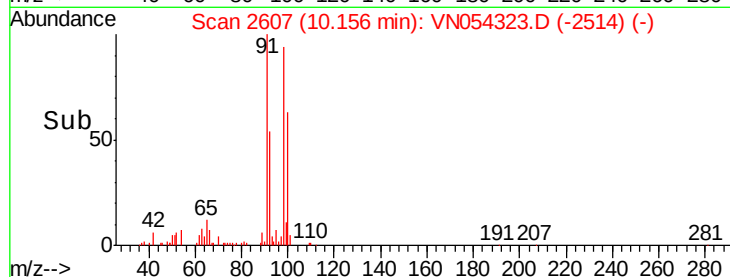
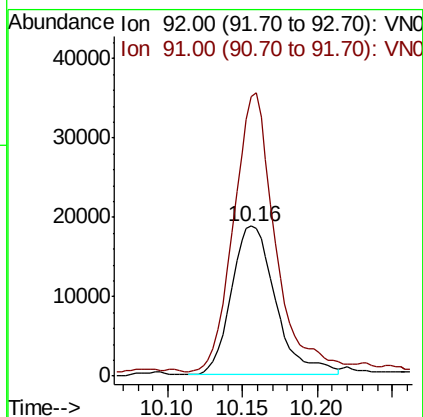
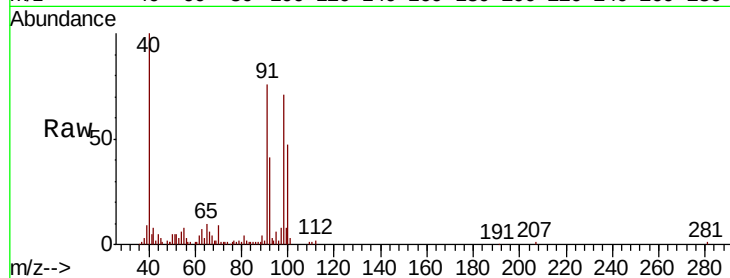
TW-3

Tgt Ion: 92 Resp: 38607

Ion Ratio Lower Upper

92 100

91 174.4 140.7 211.1



#62

4-Bromofluorobenzene

Concen: 58.630 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054323.D

Acq: 15 Mar 2019 21:28

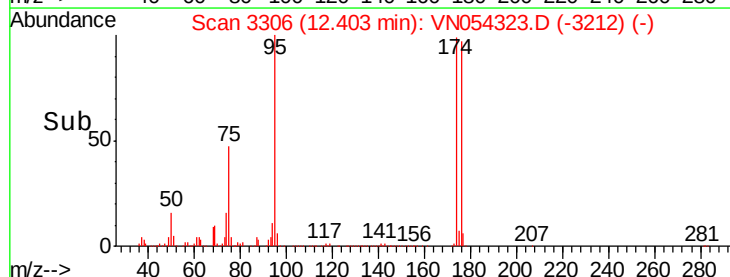
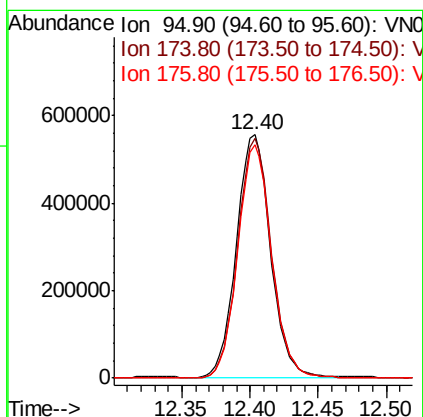
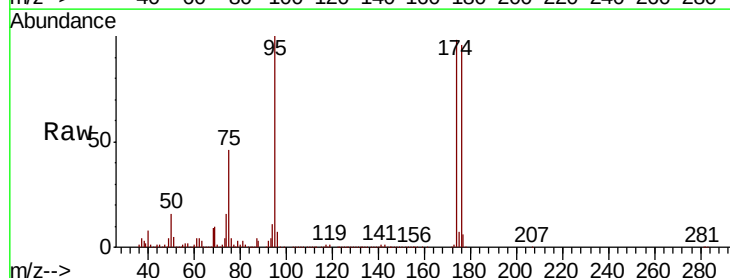
Tgt Ion: 95 Resp: 962300

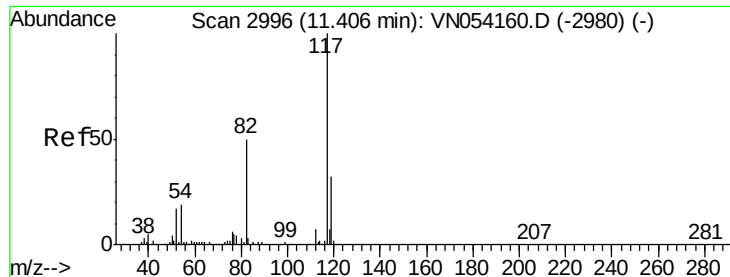
Ion Ratio Lower Upper

95 100

174 98.1 0.0 191.0

176 95.6 0.0 187.4

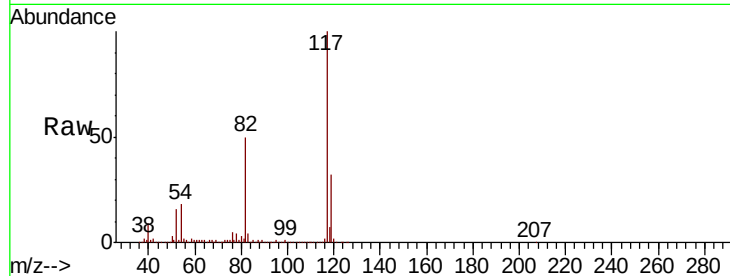




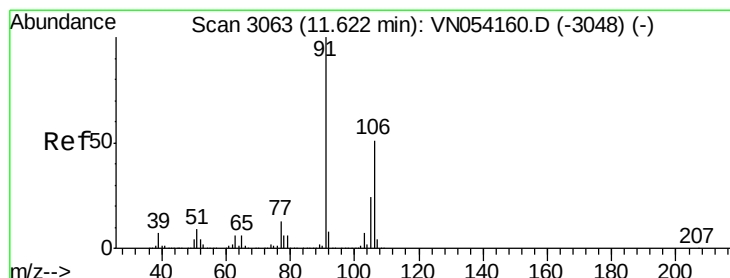
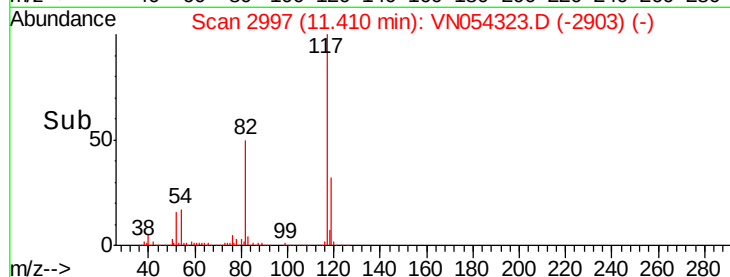
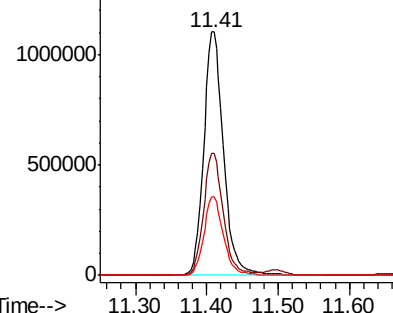
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054323.D
Acq: 15 Mar 2019 21:28

Instrument :
MSVOA_N
ClientSampled :
TW-3

Tgt Ion:117 Resp: 2108852
Ion Ratio Lower Upper
117 100
82 49.9 40.0 60.0
119 32.1 25.8 38.6

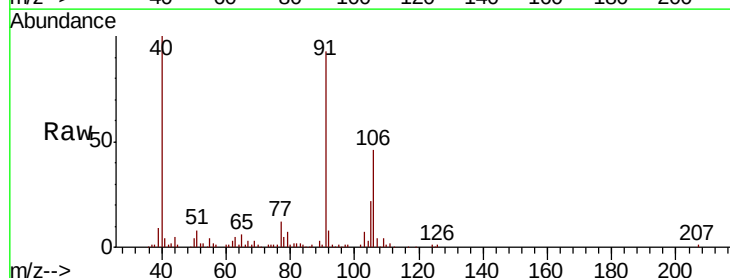


Abundance Ion 116.90 (116.60 to 117.60): V
1500000 Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

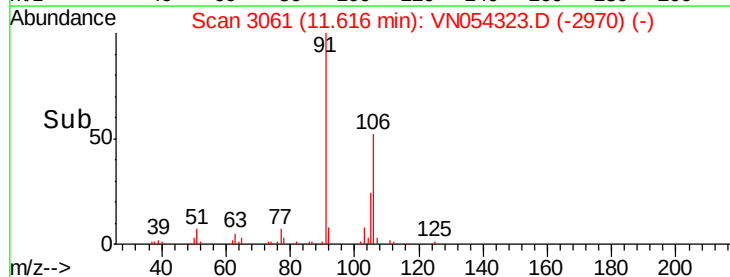
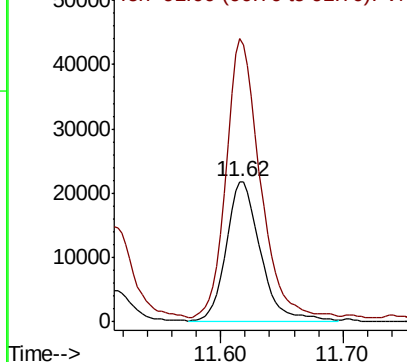


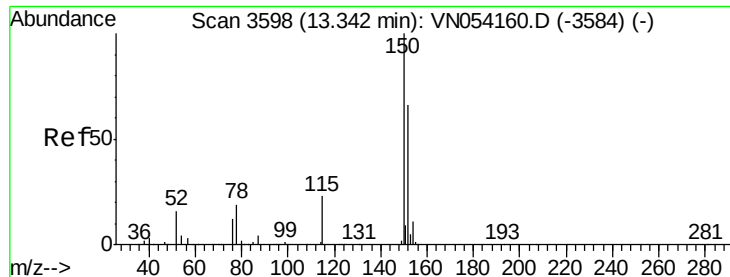
#68
m/p-Xylenes
Concen: 1.398 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054323.D
Acq: 15 Mar 2019 21:28

Tgt Ion:106 Resp: 41941
Ion Ratio Lower Upper
106 100
91 199.9 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V
50000 Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054323.D

Acq: 15 Mar 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

TW-3

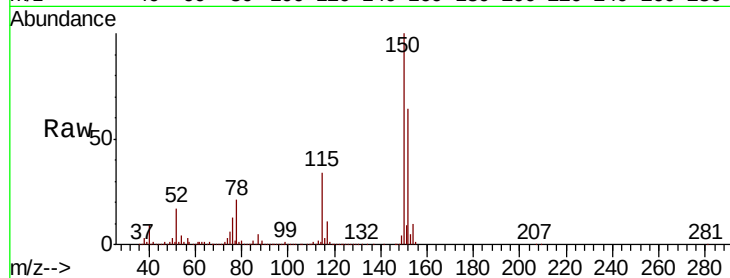
Tgt Ion:152 Resp: 932876

Ion Ratio Lower Upper

152 100

115 54.4 27.2 81.6

150 157.2 0.0 349.2

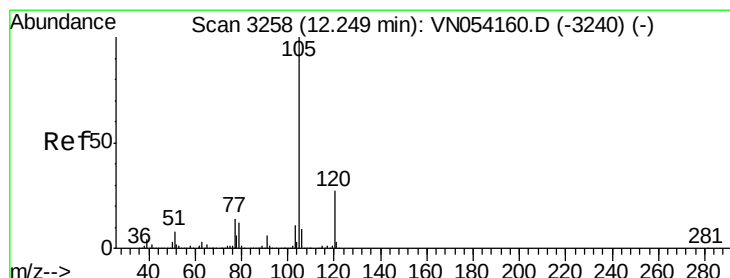
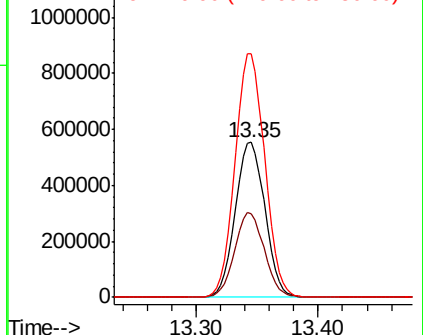
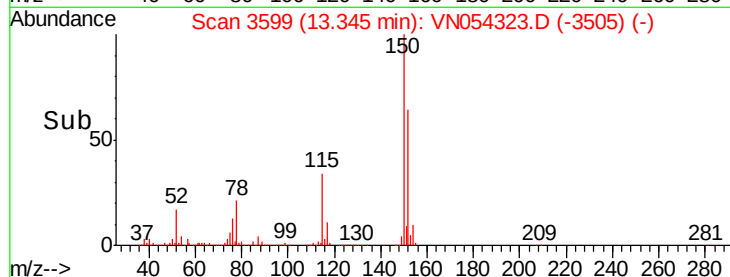


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 15.399 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054323.D

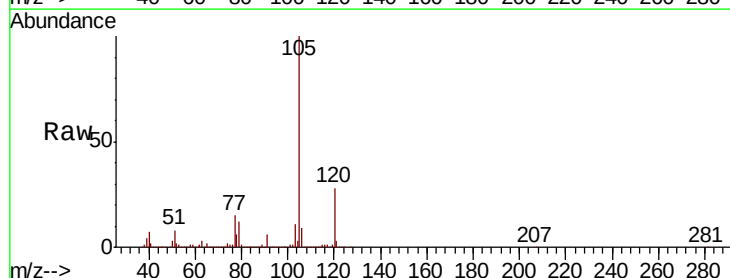
Acq: 15 Mar 2019 21:28

Tgt Ion:105 Resp: 1149352

Ion Ratio Lower Upper

105 100

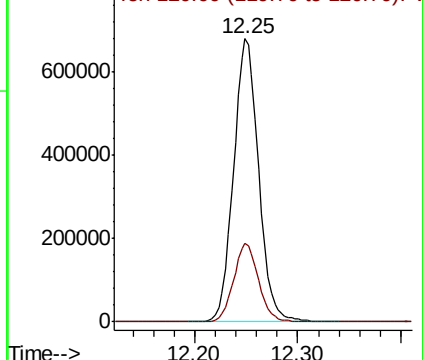
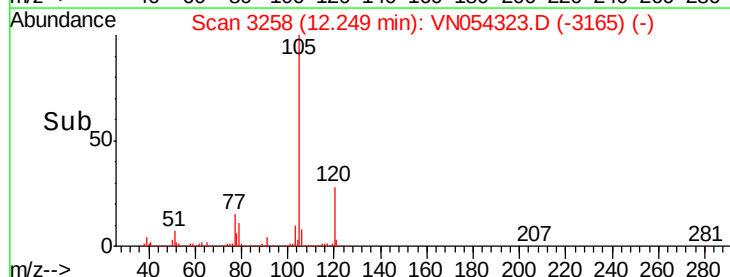
120 27.6 13.8 41.3

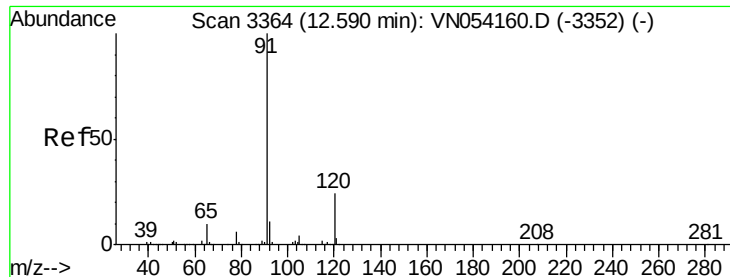


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 34.295 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054323.D

Acq: 15 Mar 2019 21:28

Instrument :

MSVOA_N

ClientSampleId :

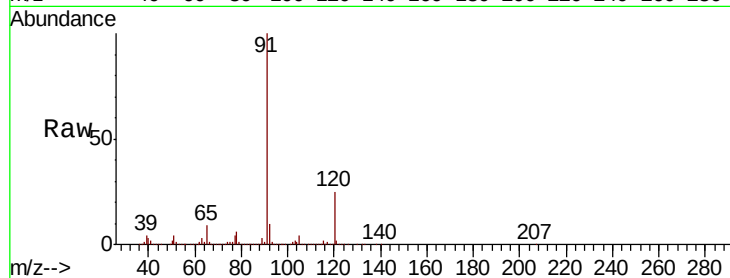
TW-3

Tgt Ion: 91 Resp: 2777404

Ion Ratio Lower Upper

91 100

120 24.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3352) (-)

12.59

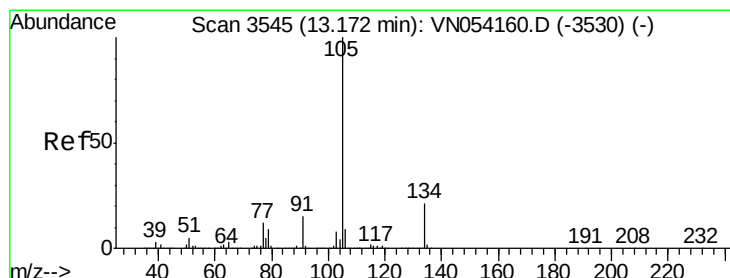
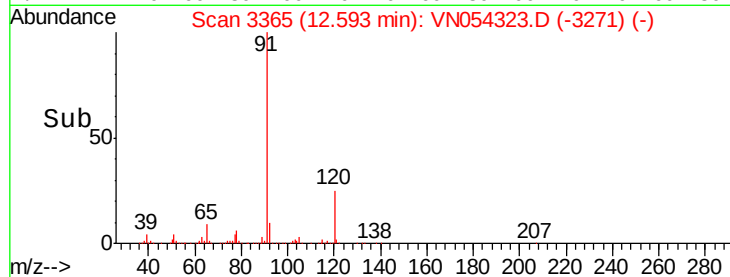
1500000

1000000

500000

0

Time-->



#85

sec-Butylbenzene

Concen: 2.416 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054323.D

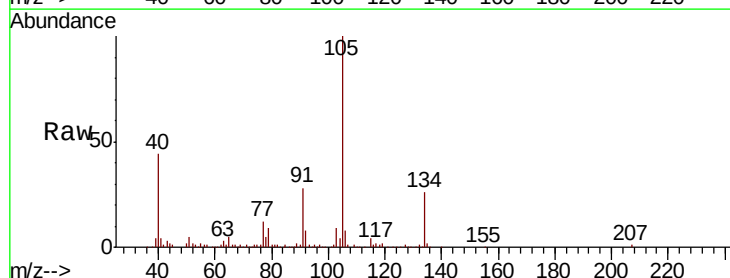
Acq: 15 Mar 2019 21:28

Tgt Ion: 105 Resp: 179015

Ion Ratio Lower Upper

105 100

134 41.5 10.7 32.1#



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3530) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3530) (-)

13.17

120000

100000

80000

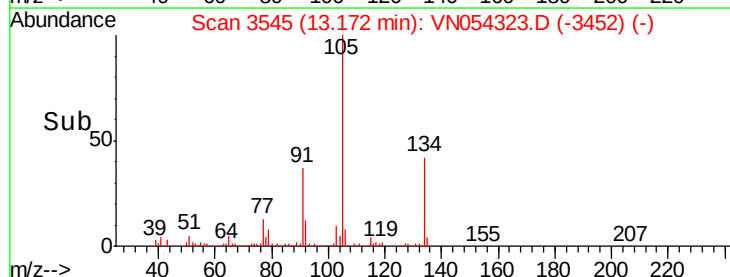
60000

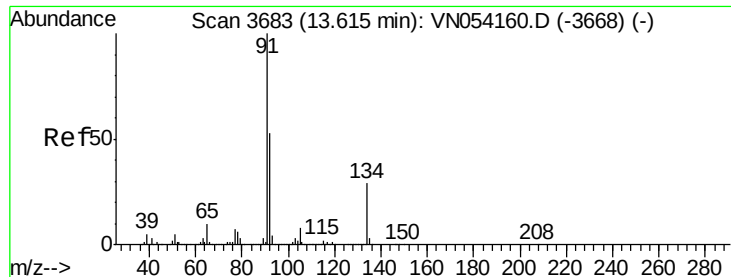
40000

20000

0

Time-->





#89
 n-Butylbenzene
 Concen: 4.233 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN054323.D
 Acq: 15 Mar 2019 21:28

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

Tgt Ion:	91	Resp:	209117
Ion	Ratio	Lower	Upper
91	100		
92	48.9	26.2	78.6
134	42.1	14.3	42.9

