

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058331.D
 Acq On : 24 Sep 2019 6:40
 Operator : JC/SP
 Sample : K5008-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-7

Quant Time: Sep 24 09:22:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	545768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	877405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	769905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	338313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	380423	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
35) Dibromofluoromethane	7.57	113	269598	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.08	98	1146888	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	
62) 4-Bromofluorobenzene	12.41	95	391774	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	

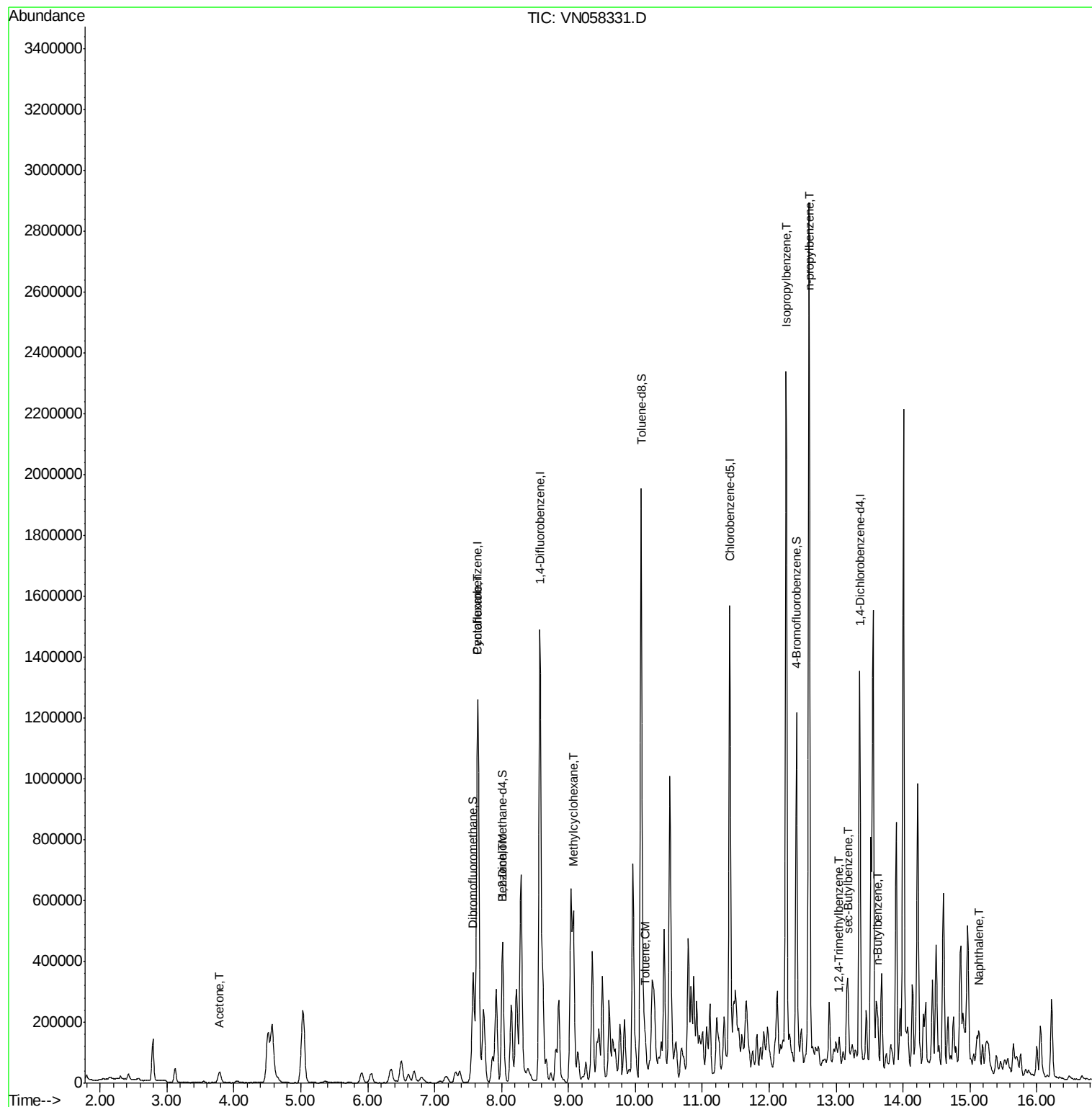
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	34192	13.251	ug/l #	80
31) Cyclohexane	7.64	56	411910	65.869	ug/l	97
39) Methylcyclohexane	9.07	83	275627	45.061	ug/l	92
40) Benzene	8.03	78	24071	1.246	ug/l	97
52) Toluene	10.15	92	27888	2.303	ug/l	96
73) Isopropylbenzene	12.25	105	1465175	69.190	ug/l	100
78) n-propylbenzene	12.60	91	2237664	92.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	43907	2.464	ug/l	98
85) sec-Butylbenzene	13.18	105	155227	7.433	ug/l #	53
89) n-Butylbenzene	13.62	91	97099	5.517	ug/l #	78
95) Naphthalene	15.14	128	96687	5.983	ug/l #	95

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampleId :

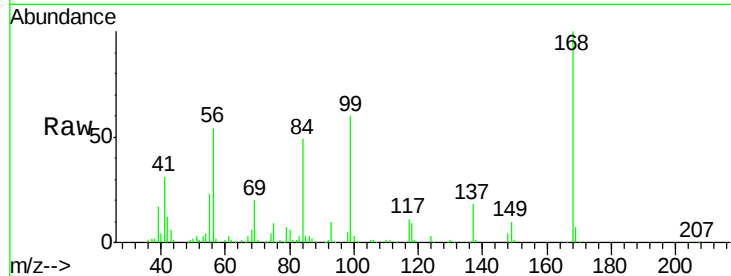
TWP-7

Tot Ion:168 Resp: 545768

Ion Ratio Lower Upper

168 100

99 59.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

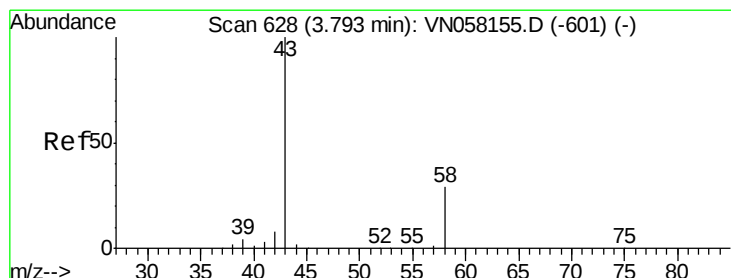
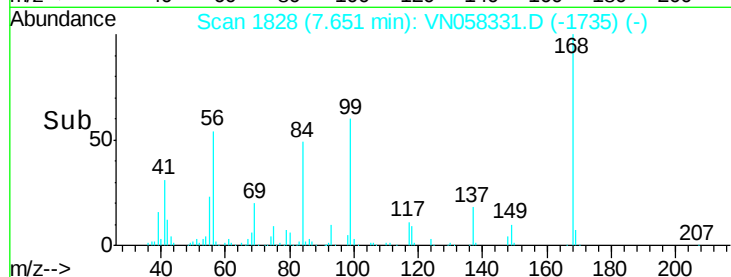
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 13.251 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058331.D

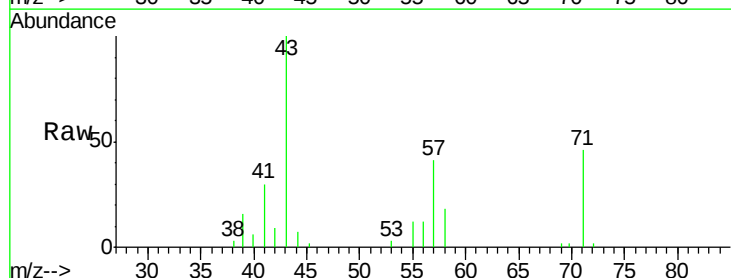
Acq: 24 Sep 2019 6:40

Tgt Ion: 43 Resp: 34192

Ion Ratio Lower Upper

43 100

58 18.7 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.79

12000

10000

8000

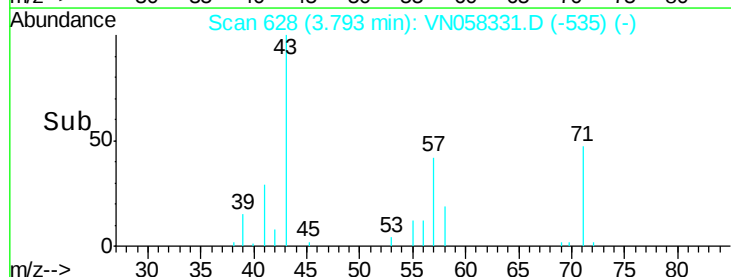
6000

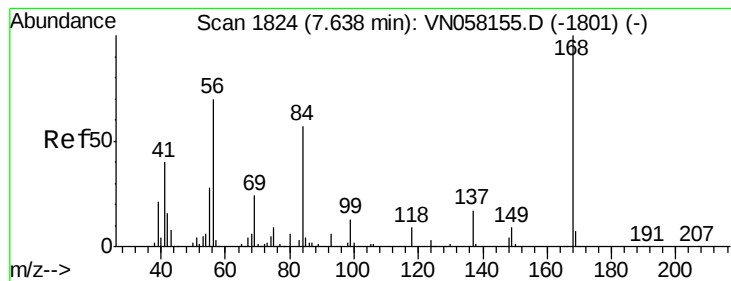
4000

2000

0

Time--> 3.70 3.80 3.90





#31

Cyclohexane

Concen: 65.869 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampled :

TWP-7

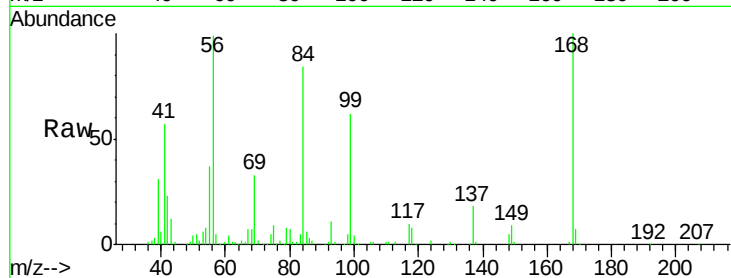
Tot Ion: 56 Resp: 411910

Ion Ratio Lower Upper

56 100

69 32.4 27.3 40.9

84 84.3 65.0 97.4

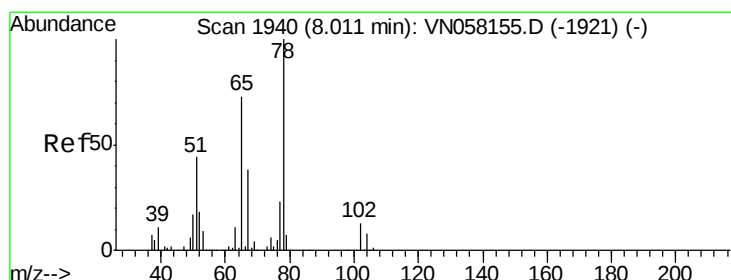
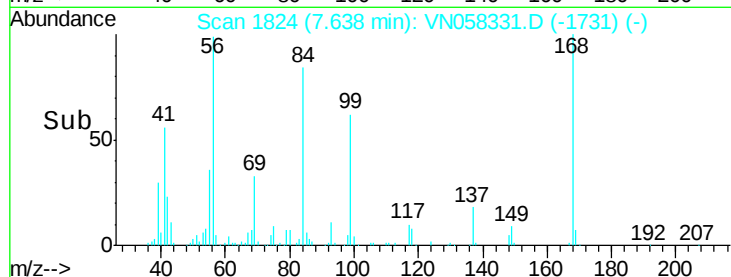
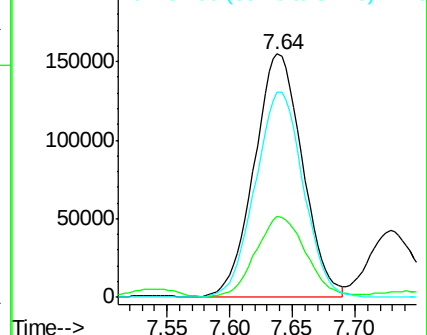


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#33

1,2-Dichloroethane-d4

Concen: 50.046 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058331.D

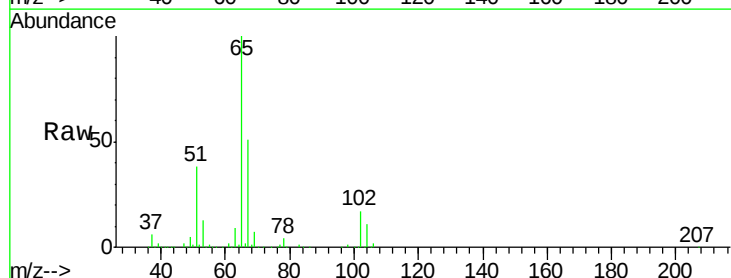
Acq: 24 Sep 2019 6:40

Tgt Ion: 65 Resp: 380423

Ion Ratio Lower Upper

65 100

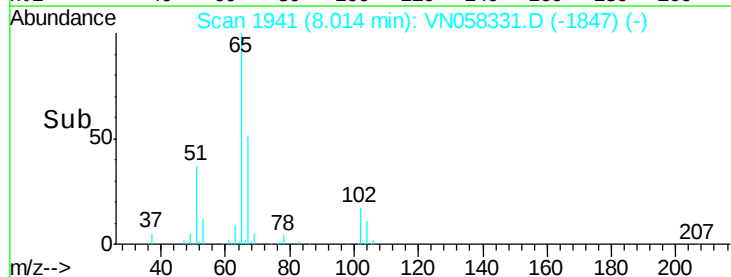
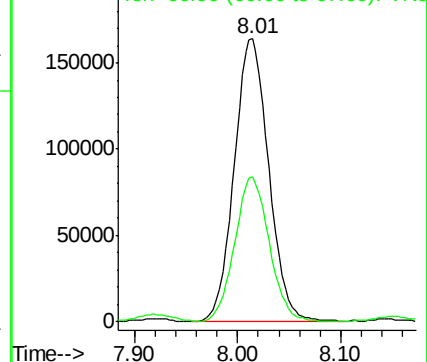
67 50.9 0.0 103.4

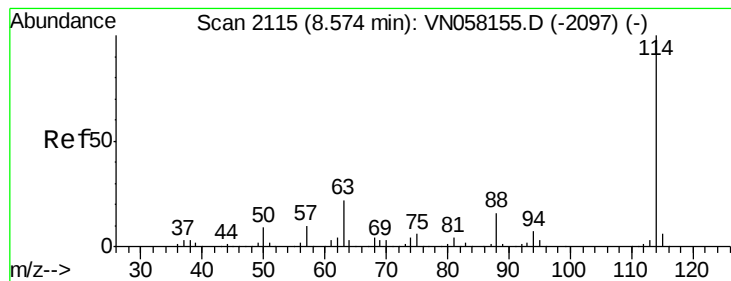


Abundance

Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampled :

TWP-7

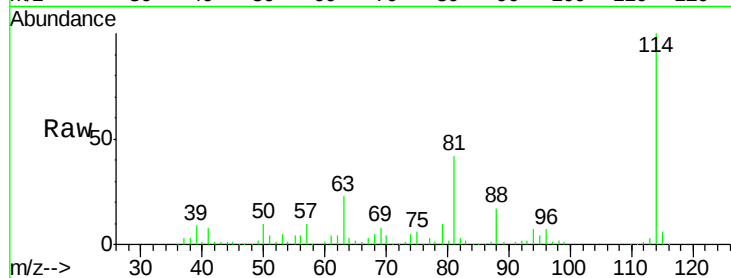
Tot Ion:114 Resp: 877405

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.2

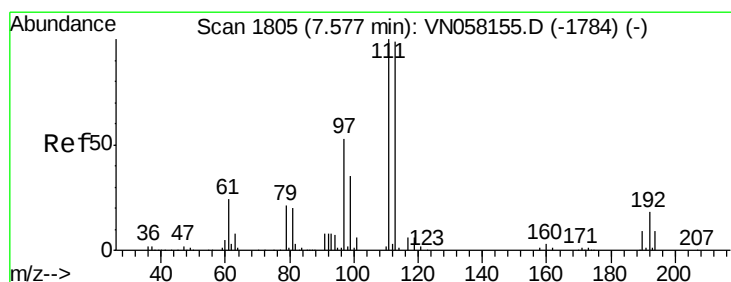
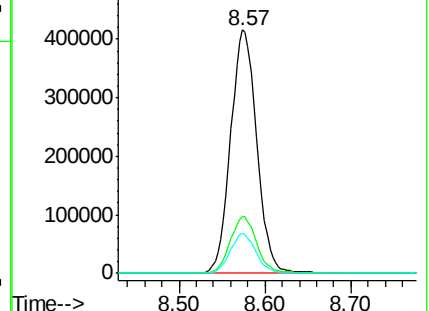
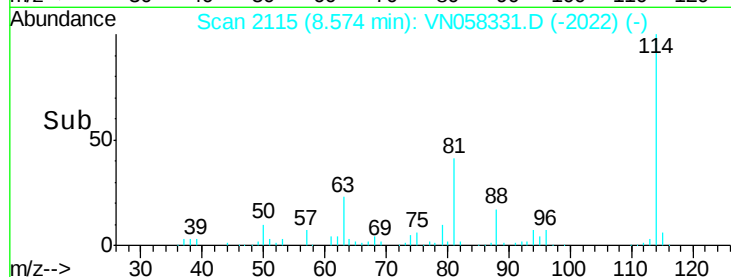
88 16.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.544 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

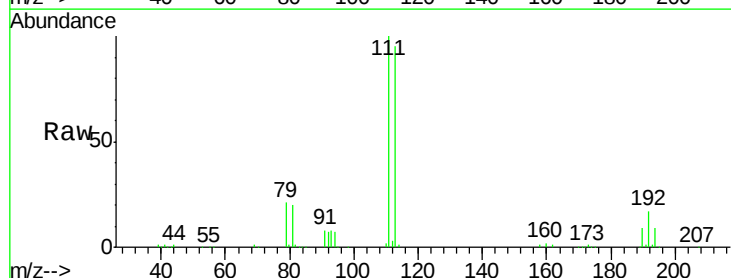
Tgt Ion:113 Resp: 269598

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

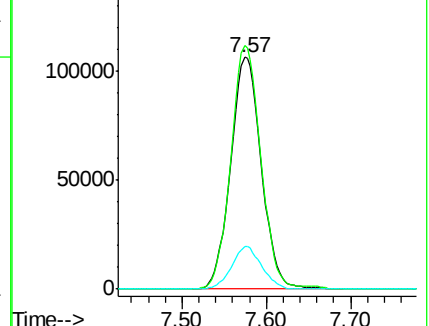
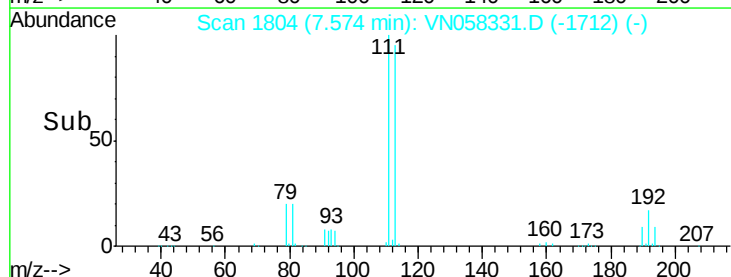
192 18.0 14.5 21.7

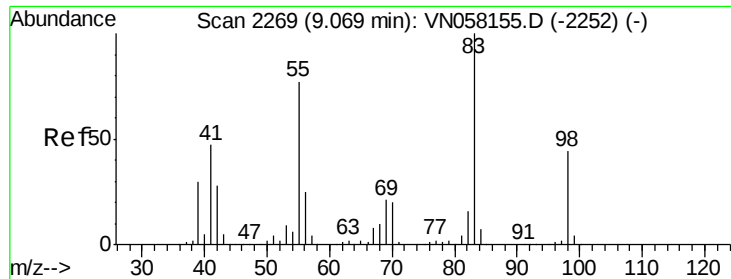


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

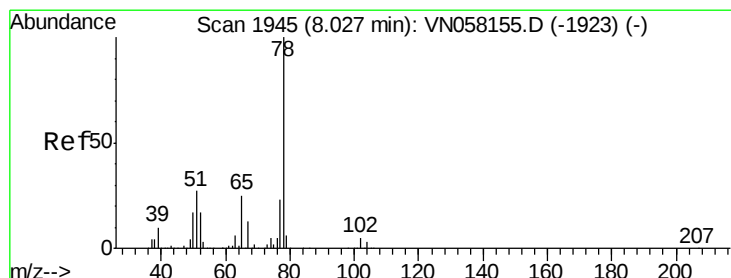
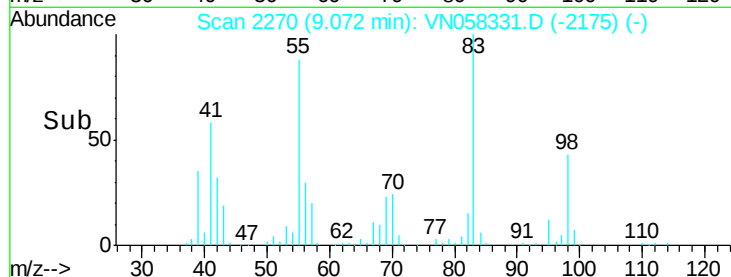
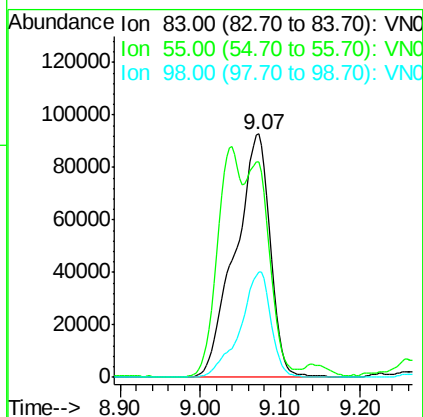
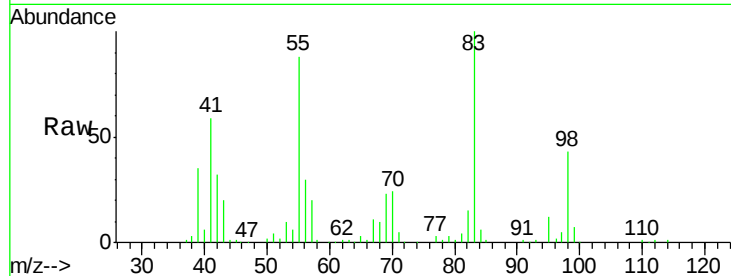




#39
Methvlcvclohexane
Concen: 45.061 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

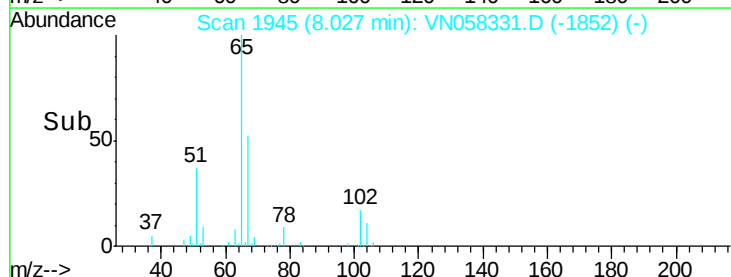
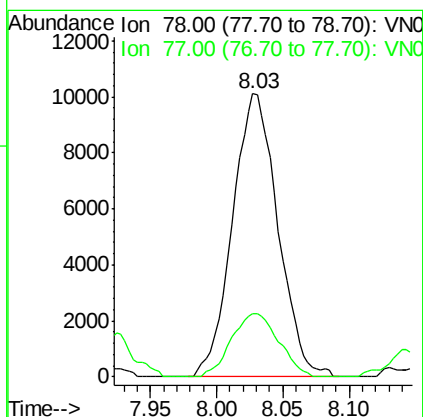
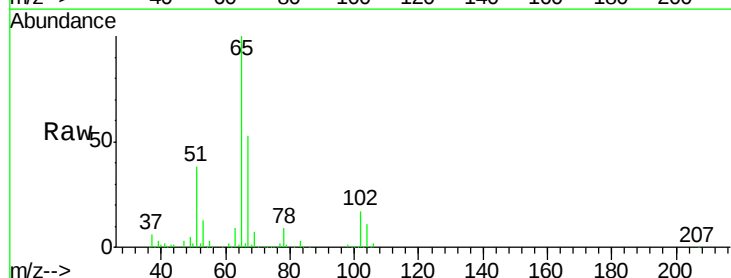
Instrument :
MSVOA_N
ClientSampleId :
TWP-7

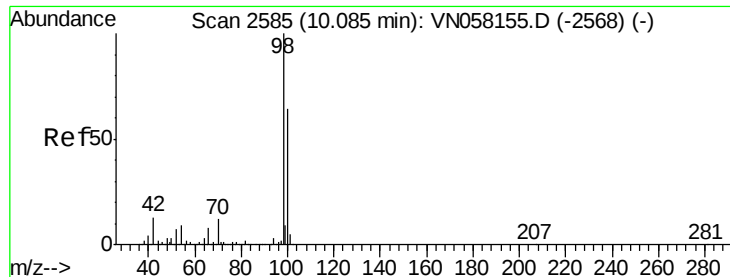
Tot Ion: 83 Resp: 275627
Ion Ratio Lower Upper
83 100
55 87.8 61.9 92.9
98 43.1 35.4 53.2



#40
Benzene
Concen: 1.246 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Tgt Ion: 78 Resp: 24071
Ion Ratio Lower Upper
78 100
77 22.2 18.8 28.2





#50

Toluene-d8

Concen: 55.187 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampleId :

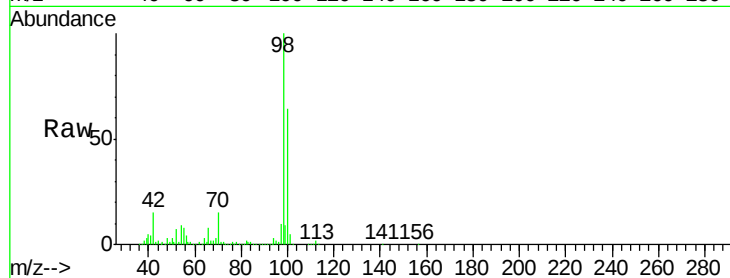
TWP-7

Tot Ion: 98 Resp: 1146888

Ion Ratio Lower Upper

98 100

100 62.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058155.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058155.D (-2568) (-)

10.08

600000

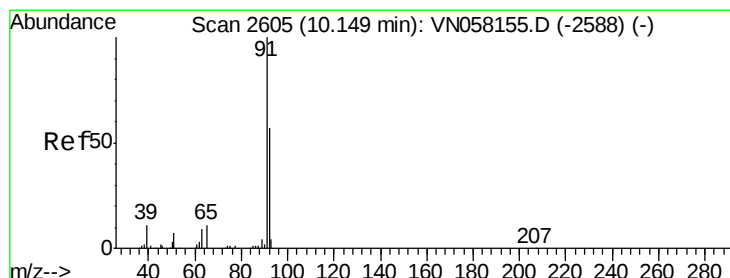
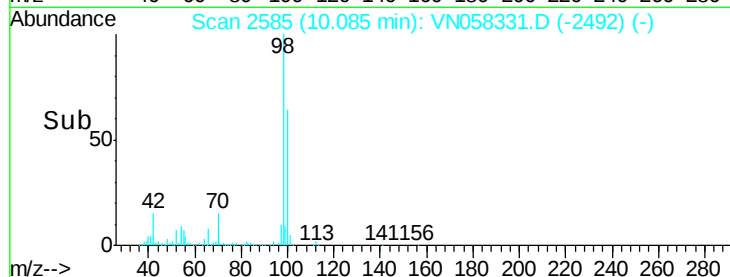
400000

200000

0

10.00 10.10 10.20

Time-->



#52

Toluene

Concen: 2.303 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058331.D

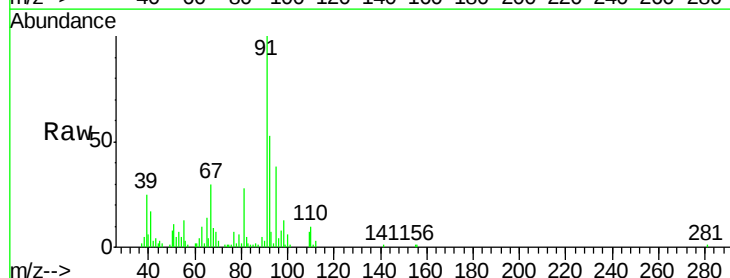
Acq: 24 Sep 2019 6:40

Tgt Ion: 92 Resp: 27888

Ion Ratio Lower Upper

92 100

91 181.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN058155.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058155.D (-2588) (-)

10.15

30000

25000

20000

15000

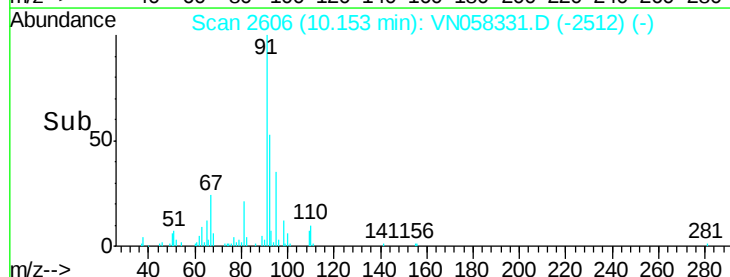
10000

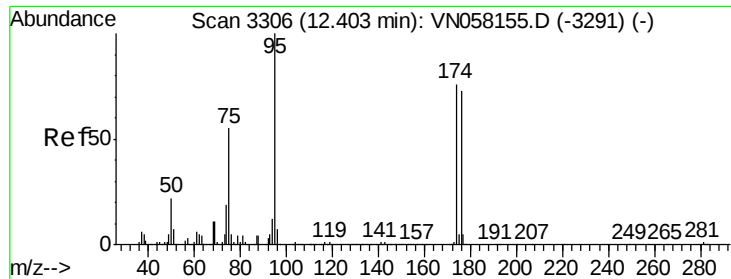
5000

0

10.10 10.15 10.20

Time-->





#62

4-Bromofluorobenzene

Concen: 50.750 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampleId :

TWP-7

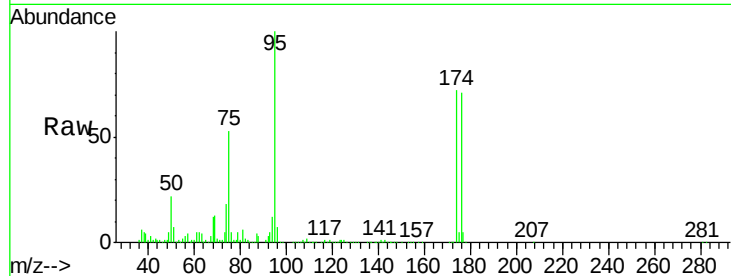
Tot Ion: 95 Resp: 391774

Ion Ratio Lower Upper

95 100

174 72.6 0.0 152.2

176 70.6 0.0 148.0

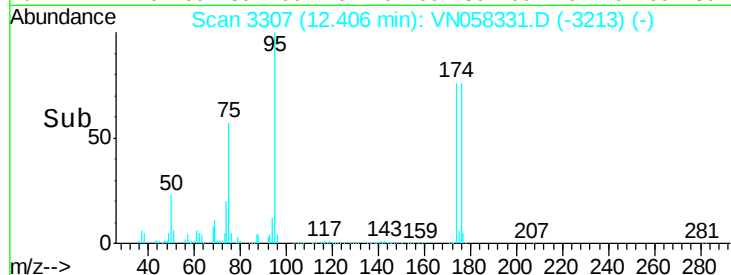


Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)

Time-->



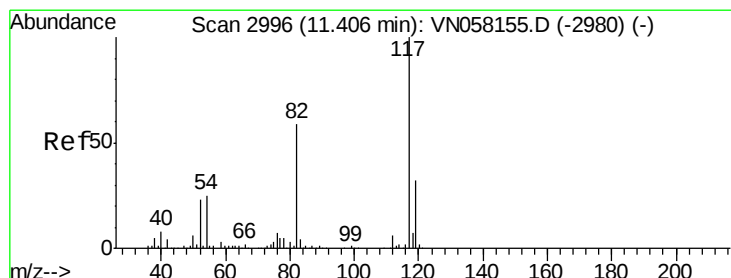
Abundance

Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

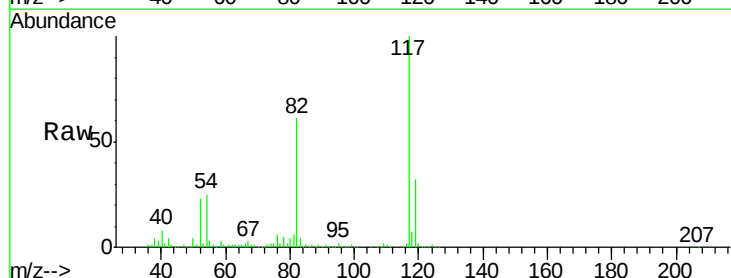
Tgt Ion: 117 Resp: 769905

Ion Ratio Lower Upper

117 100

82 60.2 46.9 70.3

119 31.6 25.3 37.9

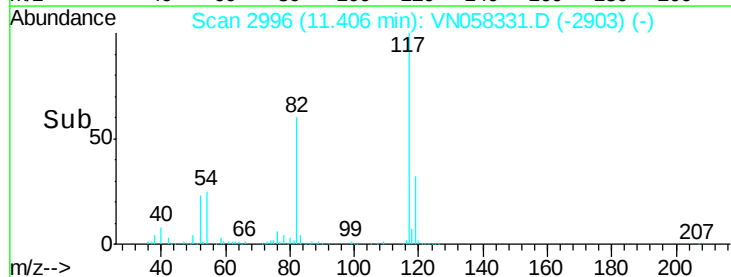


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)

Time-->



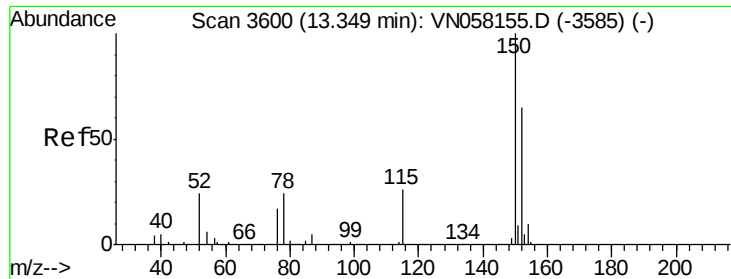
Abundance

Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampled :

TWP-7

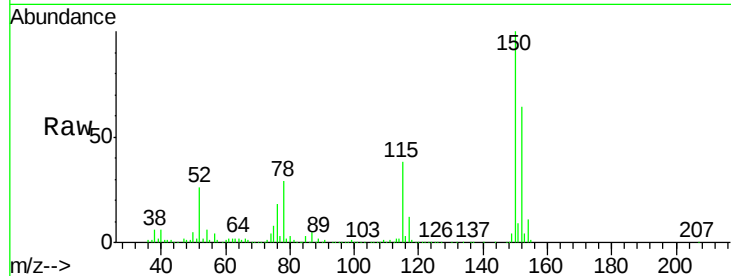
Tot Ion:152 Resp: 338313

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.3

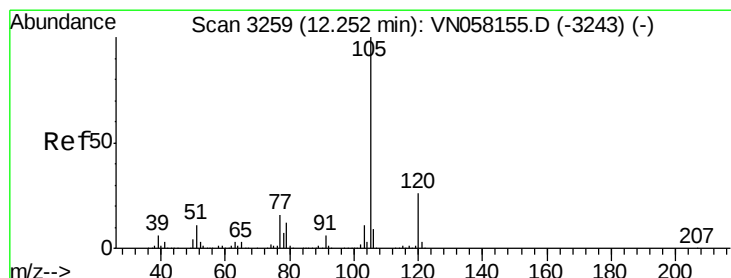
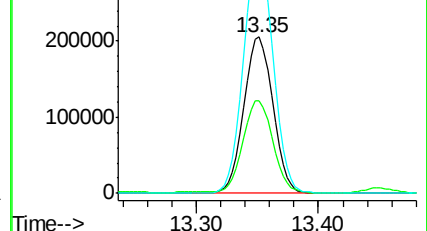
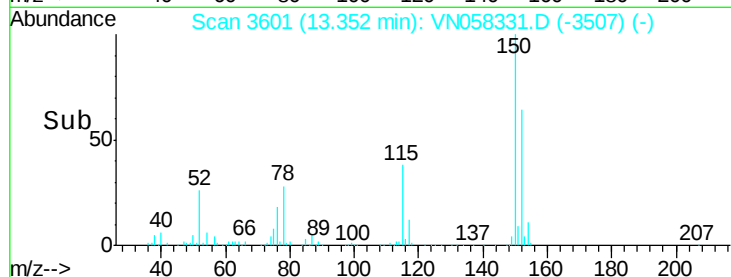
150 156.8 0.0 346.4



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: 69.190 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058331.D

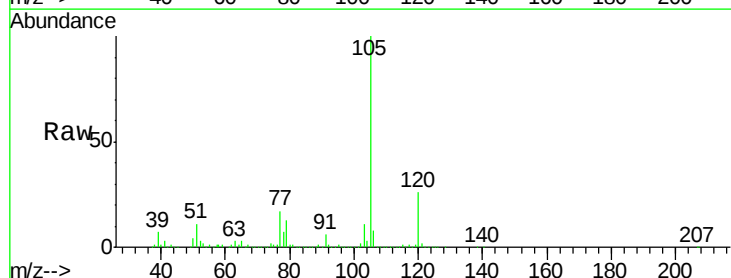
Acq: 24 Sep 2019 6:40

Tgt Ion:105 Resp: 1465175

Ion Ratio Lower Upper

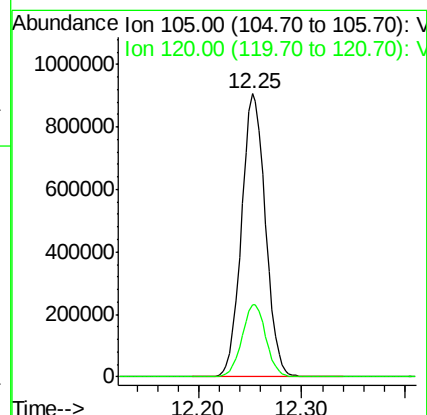
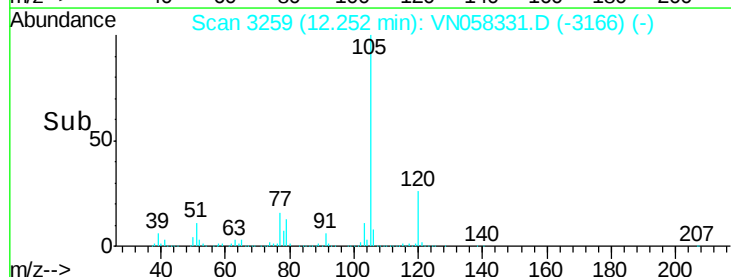
105 100

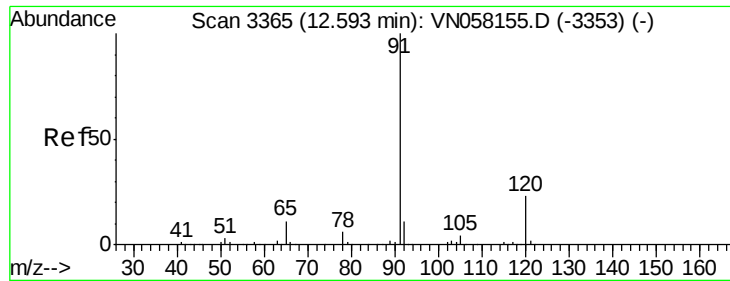
120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 92.989 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampled :

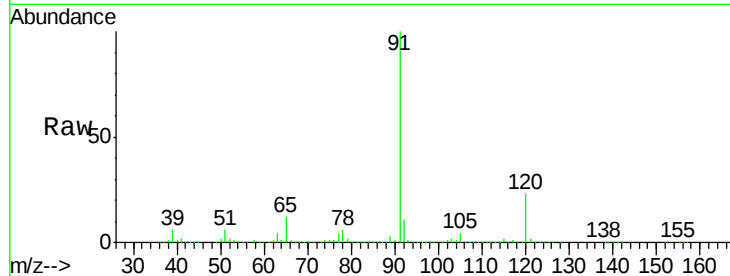
TWP-7

Tot Ion: 91 Resp: 2237664

Ion Ratio Lower Upper

91 100

120 22.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN058331.D (-3272) (-)

Ion 120.00 (119.70 to 120.70): VN058331.D (-3272) (-)

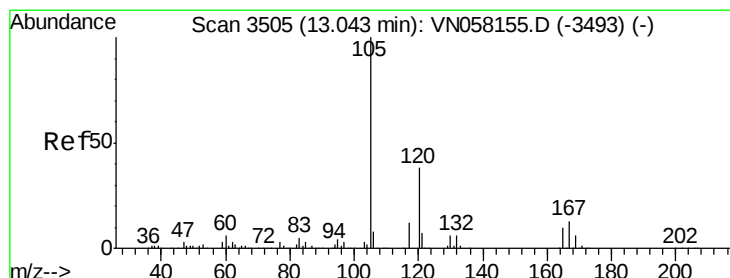
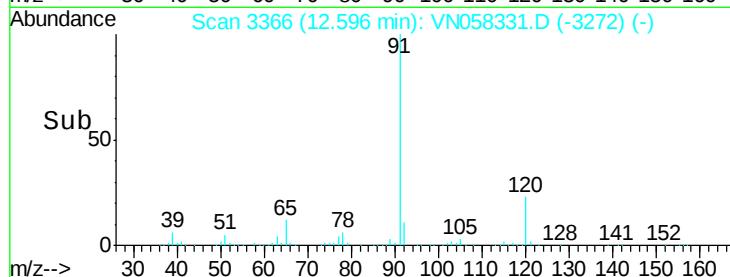
1500000

1000000

500000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 2.464 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058331.D

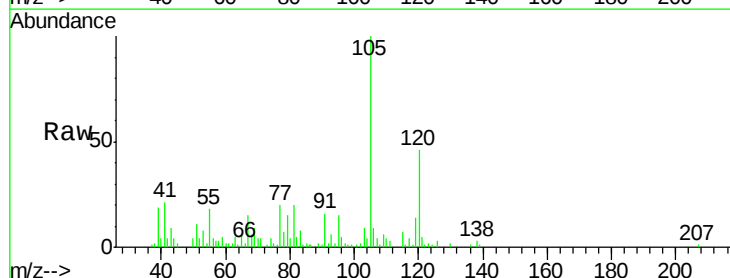
Acq: 24 Sep 2019 6:40

Tgt Ion: 105 Resp: 43907

Ion Ratio Lower Upper

105 100

120 43.2 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): VN058331.D (-3412) (-)

Ion 120.00 (119.70 to 120.70): VN058331.D (-3412) (-)

30000

25000

20000

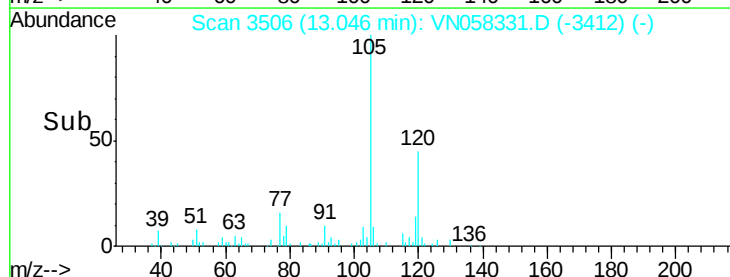
15000

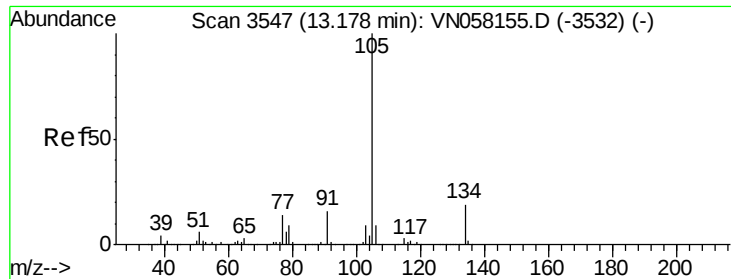
10000

5000

0

Time-->





#85

sec-Butylbenzene

Concen: 7.433 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

Instrument :

MSVOA_N

ClientSampled :

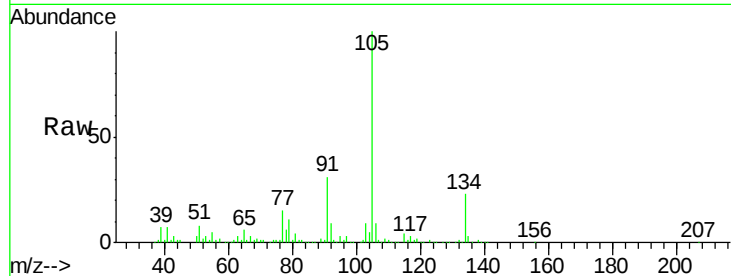
TWP-7

Tot Ion:105 Resp: 155227

Ion Ratio Lower Upper

105 100

134 40.0 9.5 28.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

100000

80000

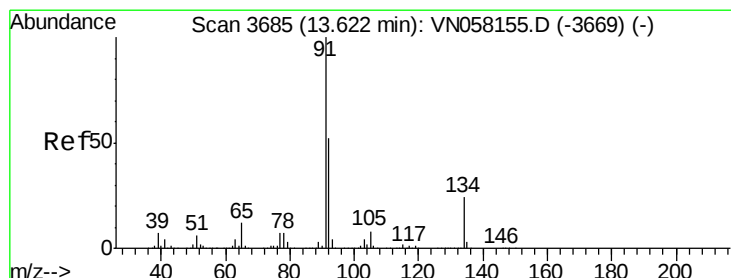
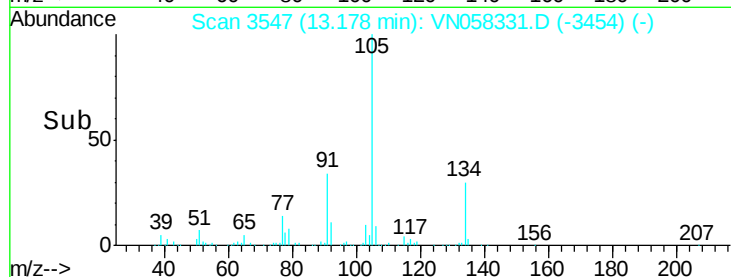
60000

40000

20000

0

Time--> 13.10 13.15 13.20 13.25



#89

n-Butylbenzene

Concen: 5.517 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058331.D

Acq: 24 Sep 2019 6:40

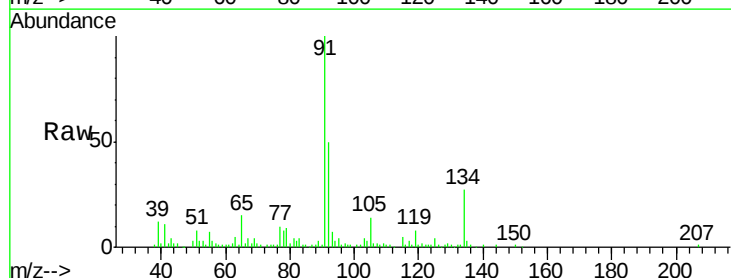
Tgt Ion: 91 Resp: 97099

Ion Ratio Lower Upper

91 100

92 44.8 25.7 77.0

134 0.0 11.8 35.4#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

100000

80000

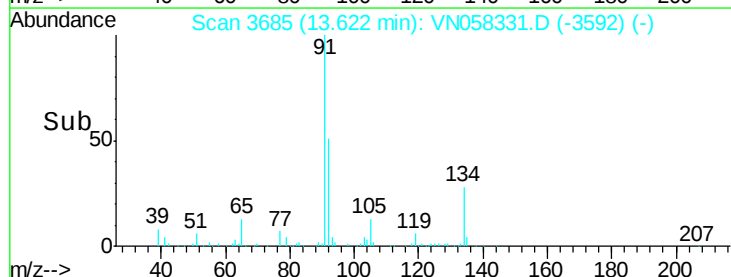
60000

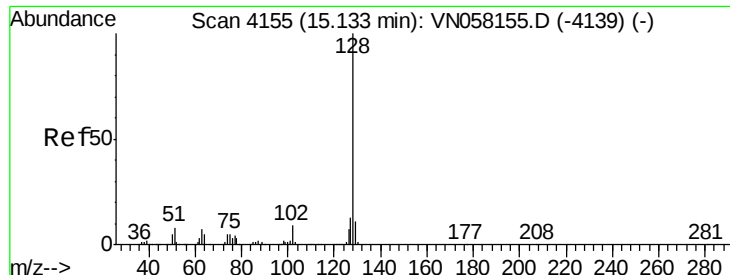
40000

20000

0

Time--> 13.55 13.60 13.65

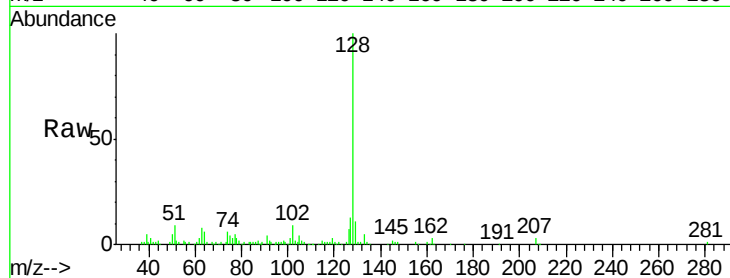




#95
Naphthalene
Concen: 5.983 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058331.D
Acq: 24 Sep 2019 6:40

Instrument :
MSVOA_N
ClientSampleId :
TWP-7

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.2	15.2
129	8.3	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

