

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056280.D
 Acq On : 13 Jun 2019 14:43
 Operator : JC/SP
 Sample : K3345-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PR-MW-1 061219

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:37:13 AM

Quant Time: Jun 14 01:41:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	355611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	588632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286677	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	191883	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
35) Dibromofluoromethane	7.59	113	176226	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	731516	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.40	95	283038	59.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.78%	
Target Compounds						
					Qvalue	
16) Acetone	3.83	43	11322	6.704	ug/l	93
31) Cyclohexane	7.65	56	41485	7.404	ug/l #	83
39) Methylcyclohexane	9.08	83	50474	8.005	ug/l	98
40) Benzene	8.04	78	6273	0.408	ug/l	98
52) Toluene	10.16	92	307380	32.133	ug/l	100
67) Ethyl Benzene	11.51	91	6335021	307.455	ug/l	100
68) m/p-Xylenes	11.63	106	4044109	513.784	ug/l	100
69) o-Xylene	11.95	106	1964985	253.788	ug/l	98
73) Isopropylbenzene	12.25	105	699647	33.437	ug/l	100
78) n-propylbenzene	12.59	91	949876	39.166	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2804492	145.499	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	8136081	445.117	ug/l	99
85) sec-Butylbenzene	13.17	105	117259m	5.459	ug/l	
86) p-Isopropyltoluene	13.29	119	101006m	5.255	ug/l	
89) n-Butylbenzene	13.61	91	76817m	5.395	ug/l	
95) Naphthalene	15.13	128	2332131	160.832	ug/l	100

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

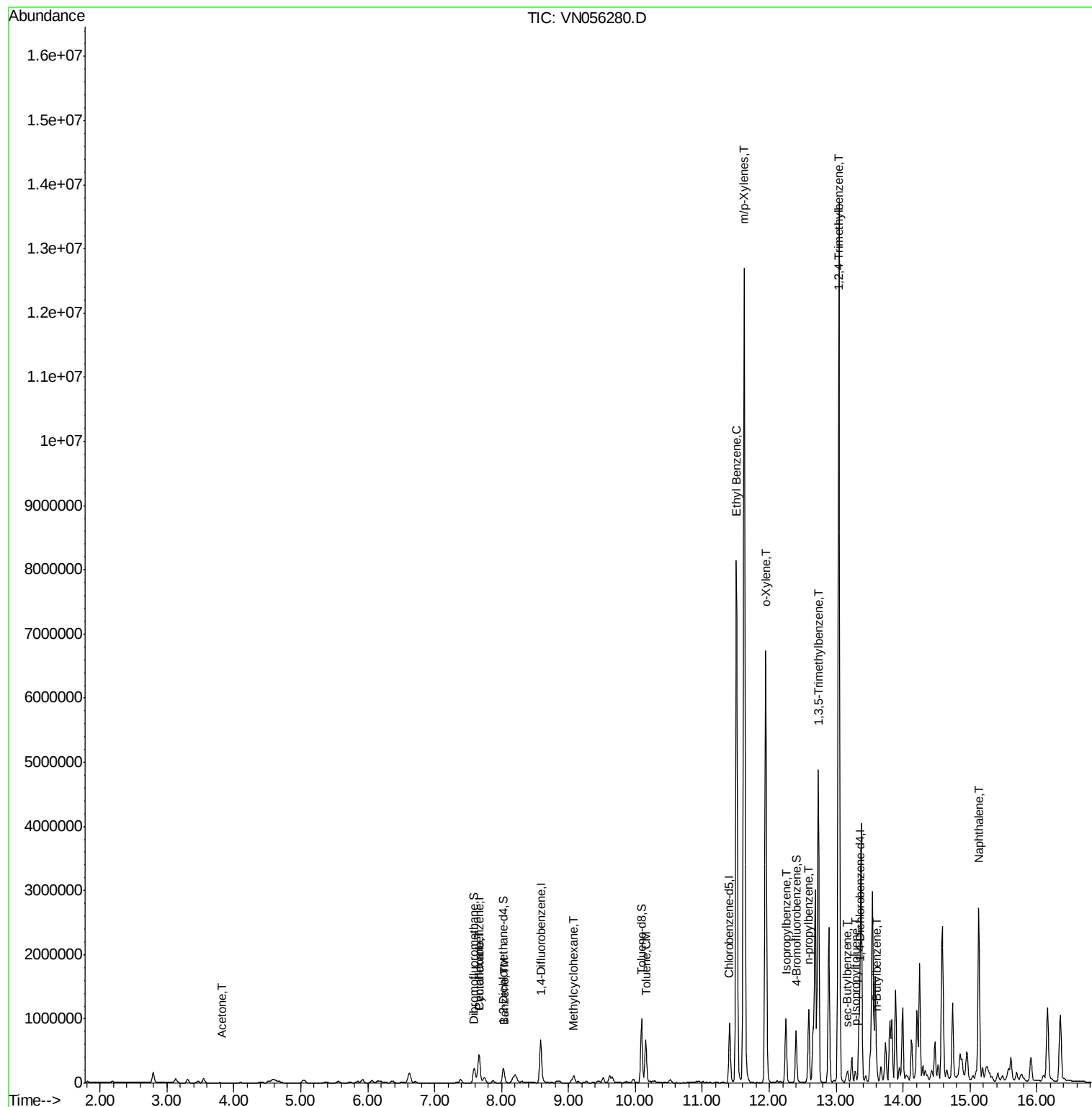
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056280.D

Acq: 13 Jun 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1_061219

Tot Ion:168 Resp: 355611

Ion Ratio Lower Upper

168 100

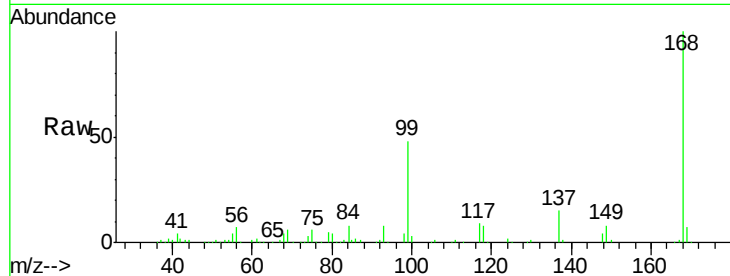
99 48.3 37.2 55.8

Manual Integrations

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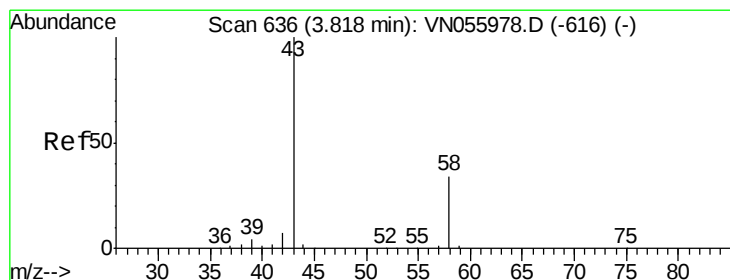
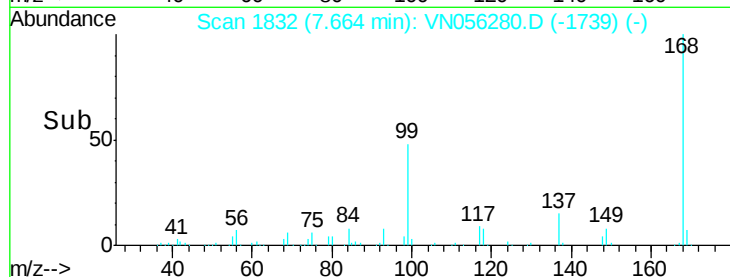
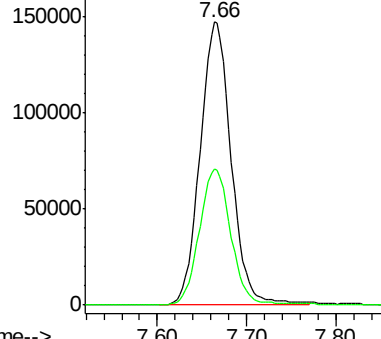
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.704 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056280.D

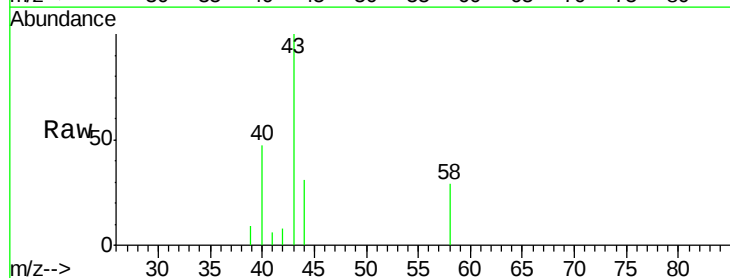
Acq: 13 Jun 2019 14:43

Tgt Ion: 43 Resp: 11322

Ion Ratio Lower Upper

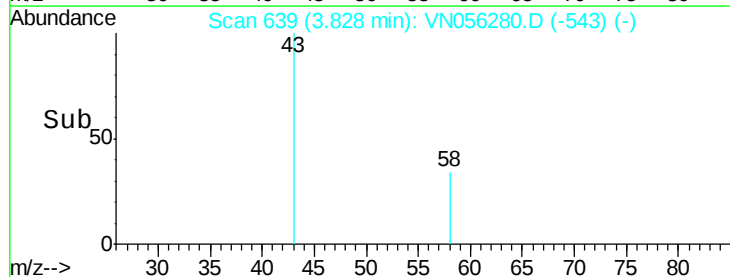
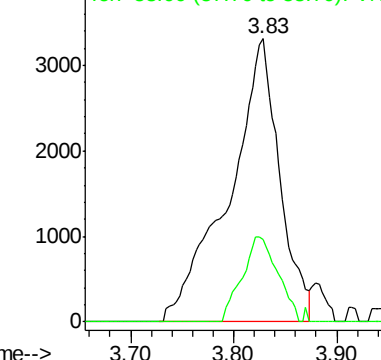
43 100

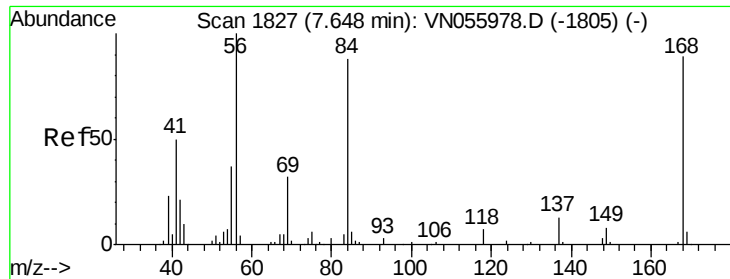
58 29.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





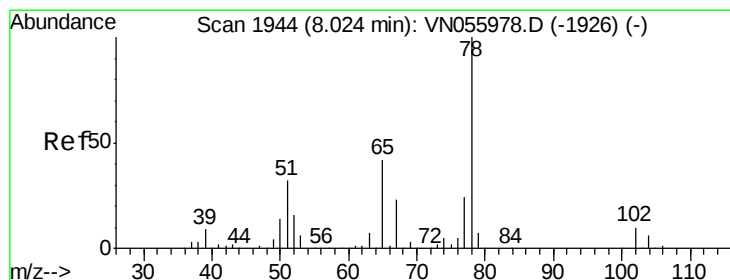
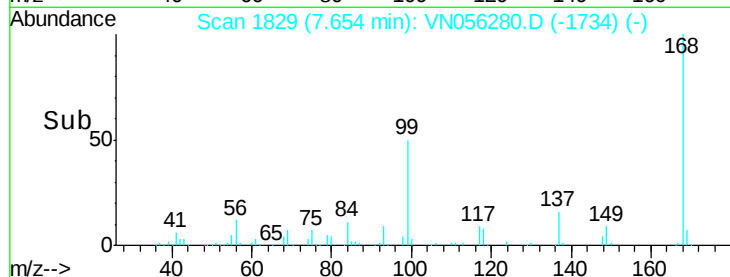
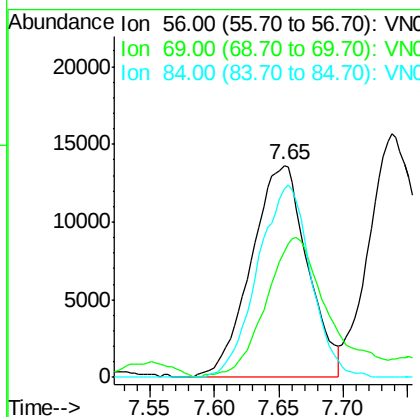
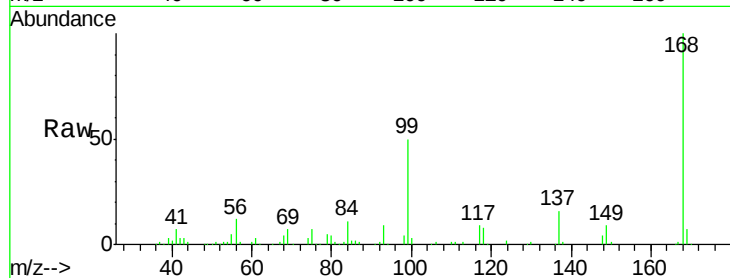
#31
Cyclohexane
Concen: 7.404 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN056280.D
Acq: 13 Jun 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-1_061219

Tot Ion: 56 Resp: 41485
Ion Ratio Lower Upper
56 100
69 57.9 25.6 38.4#
84 88.9 67.4 101.0

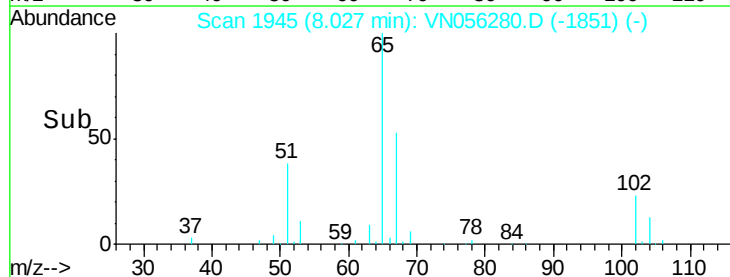
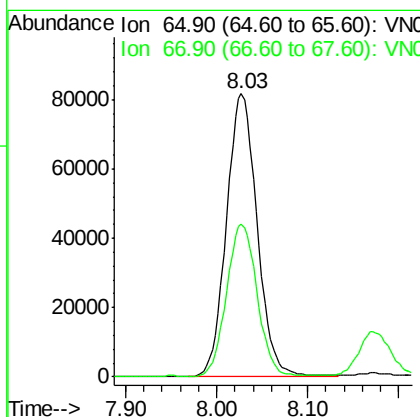
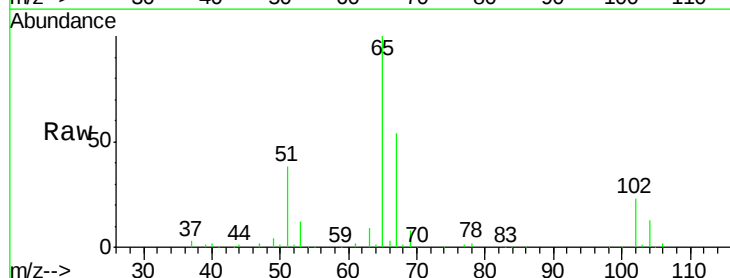
Manual Integrations
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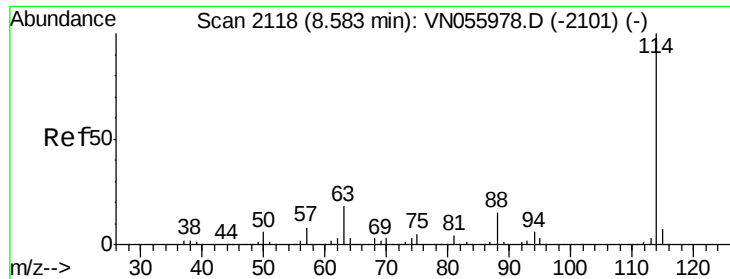
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#33
1,2-Dichloroethane-d4
Concen: 54.344 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056280.D
Acq: 13 Jun 2019 14:43

Tgt Ion: 65 Resp: 191883
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.2





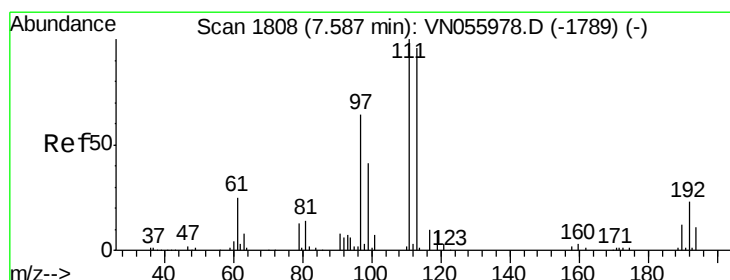
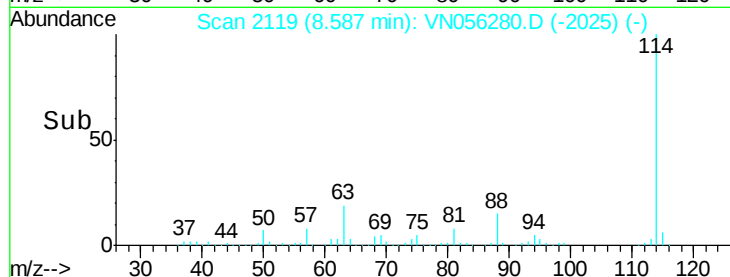
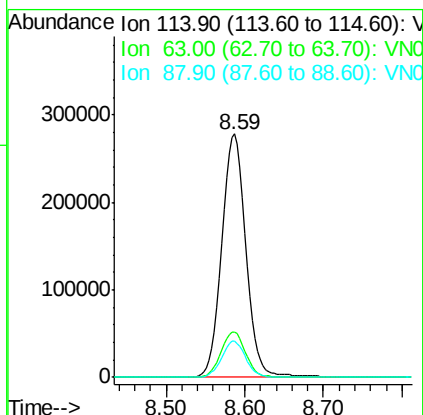
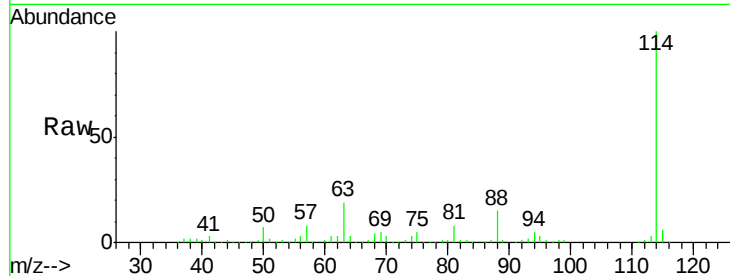
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056280.D
 Acq: 13 Jun 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 PR-MW-1_061219

Tot Ion	Ratio	Resp	Lower	Upper
114	100	588632		
63	18.8		0.0	39.2
88	14.7		0.0	31.0

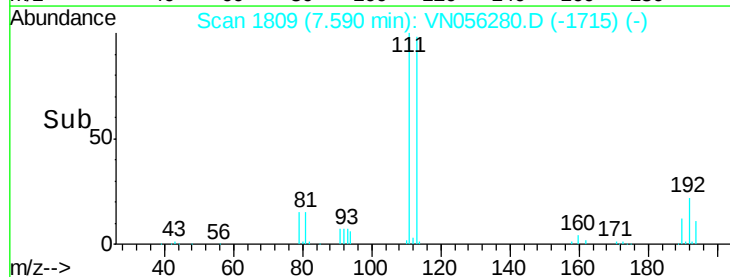
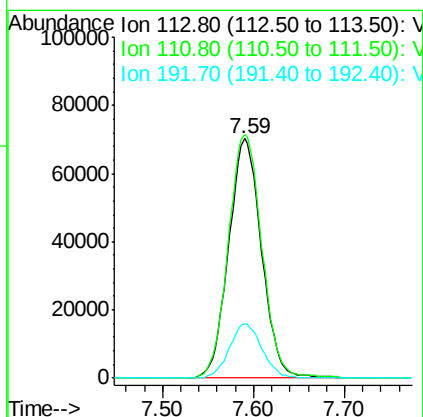
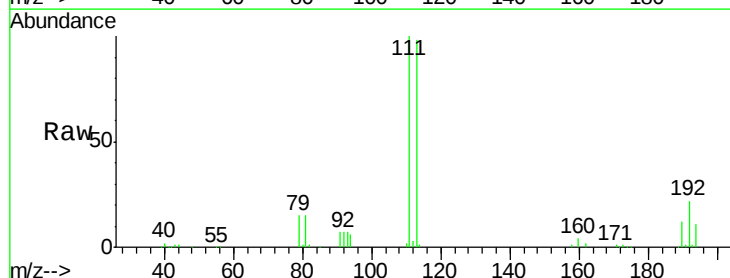
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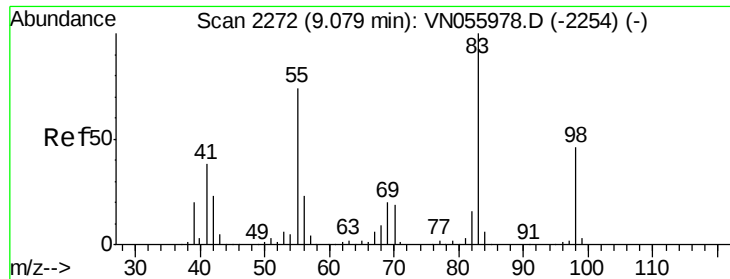
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#35
 Dibromofluoromethane
 Concen: 48.796 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056280.D
 Acq: 13 Jun 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	176226		
111	104.1		81.9	122.9
192	22.6		19.5	29.3





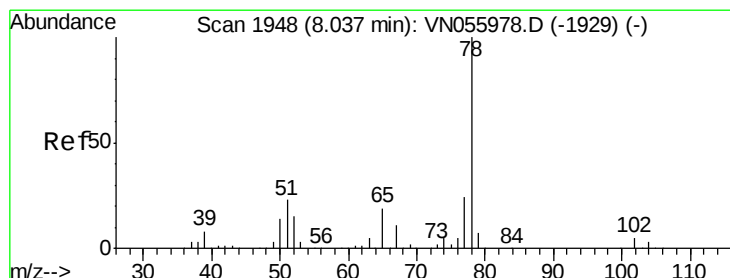
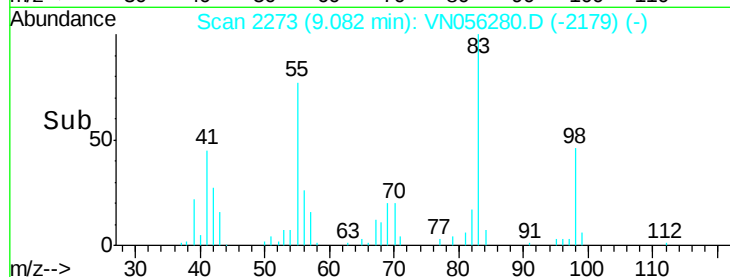
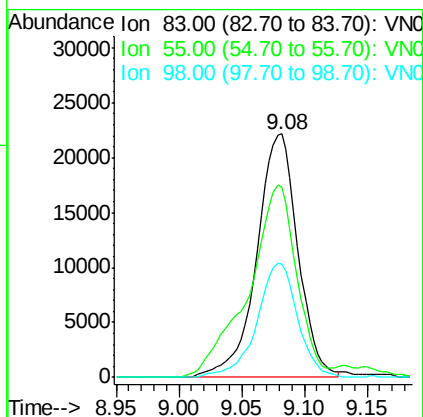
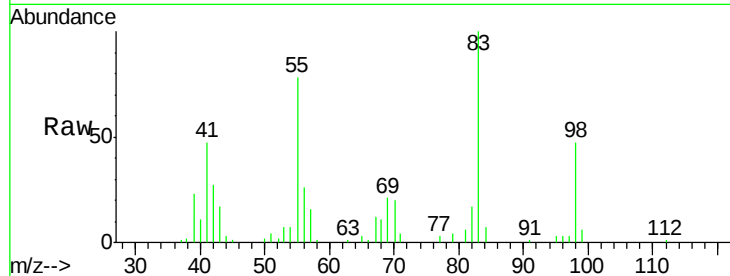
#39
Methvlcvclohexane
Concen: 8.005 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056280.D
Acq: 13 Jun 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-1_061219

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	59.3	88.9
98	46.7	36.6	54.8

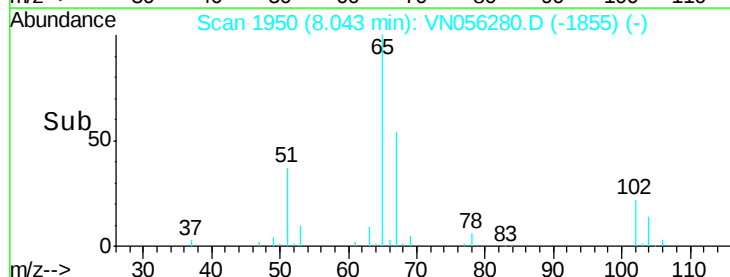
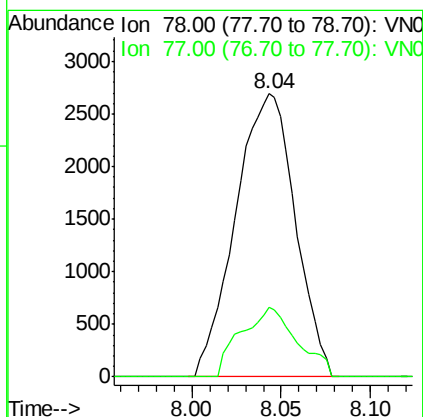
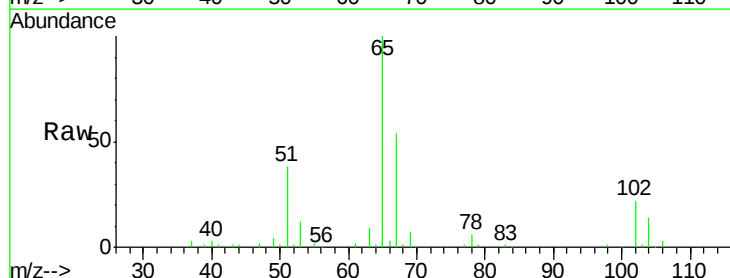
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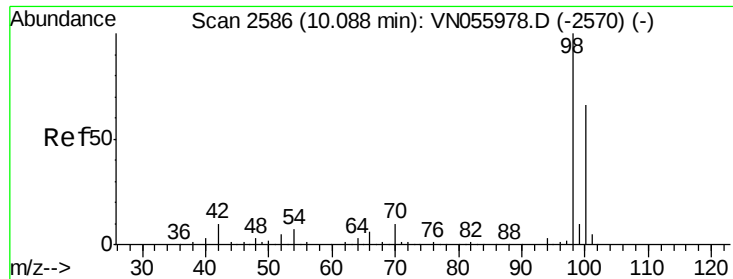
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#40
Benzene
Concen: 0.408 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.01 min
Lab File: VN056280.D
Acq: 13 Jun 2019 14:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2





#50

Toluene-d8

Concen: 52.639 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056280.D

Acq: 13 Jun 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1_061219

Tot Ion: 98 Resp: 731516

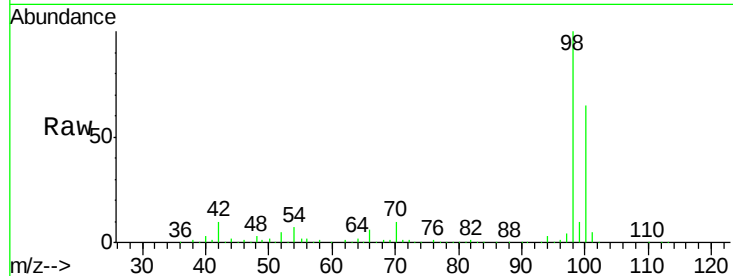
Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

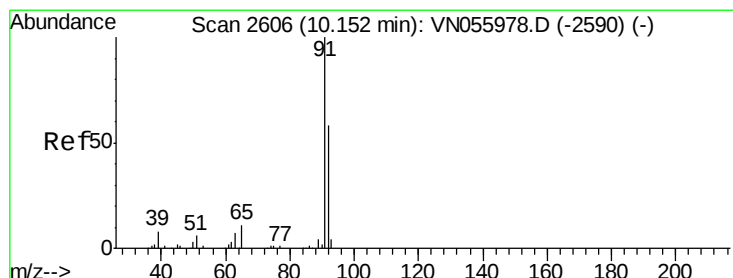
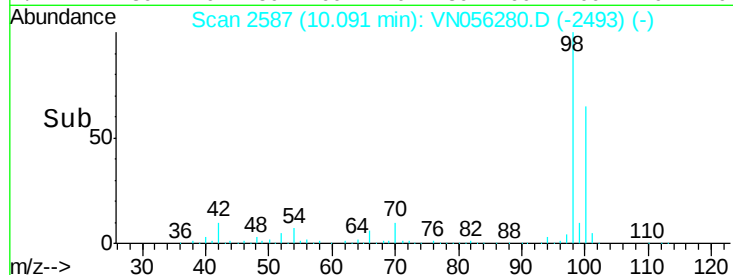
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 32.133 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056280.D

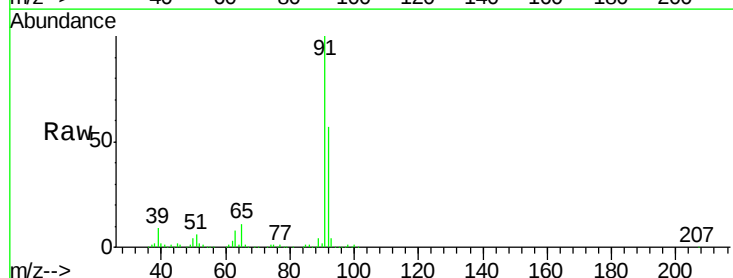
Acq: 13 Jun 2019 14:43

Tgt Ion: 92 Resp: 307380

Ion Ratio Lower Upper

92 100

91 173.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

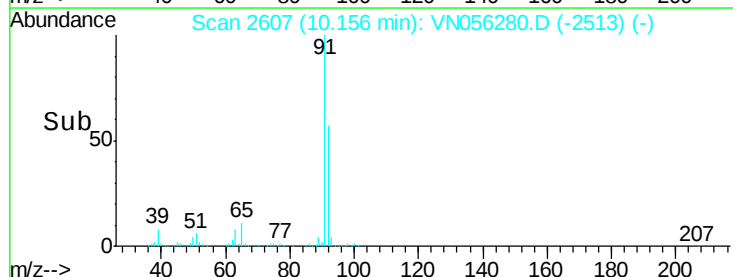
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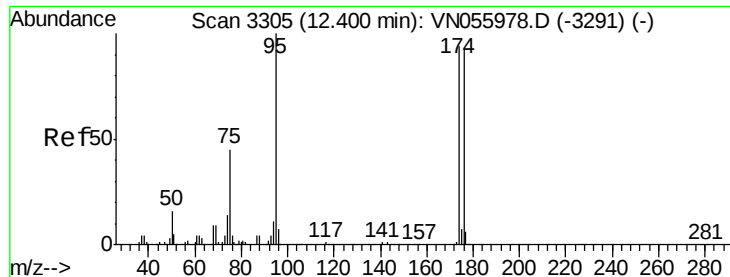
200000

100000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 59.890 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056280.D

Acq: 13 Jun 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1_061219

Tot Ion: 95 Resp: 283038

Ion Ratio Lower Upper

95 100

174 91.8 0.0 191.0

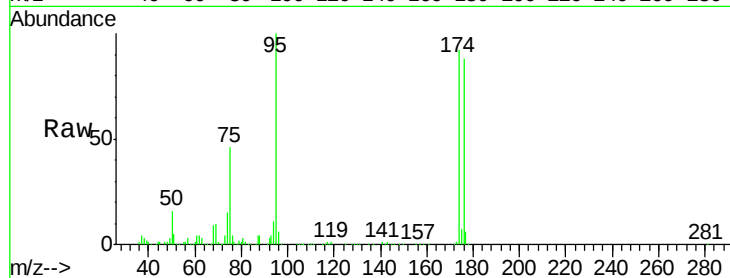
176 88.2 0.0 185.2

Manual Integrations

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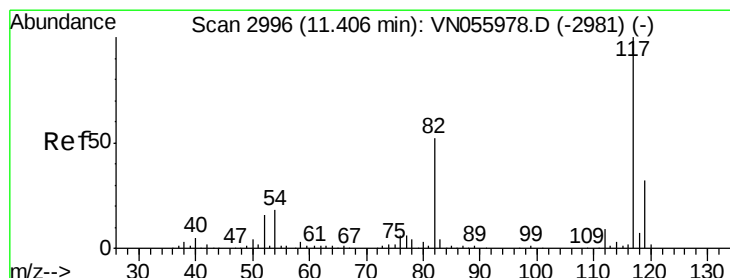
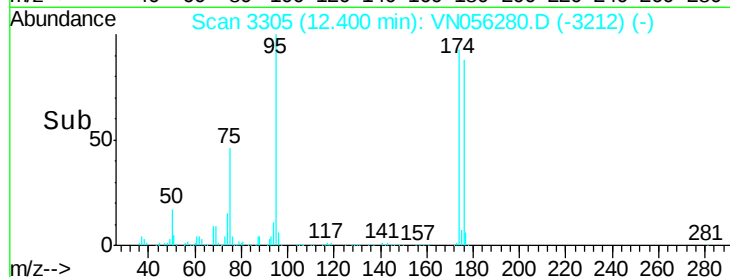
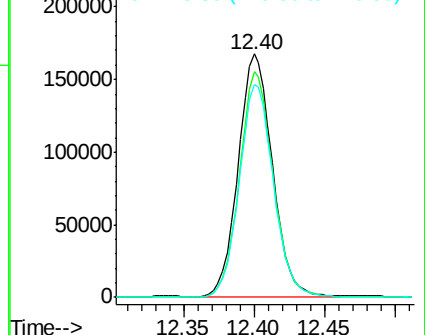
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Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056280.D

Acq: 13 Jun 2019 14:43

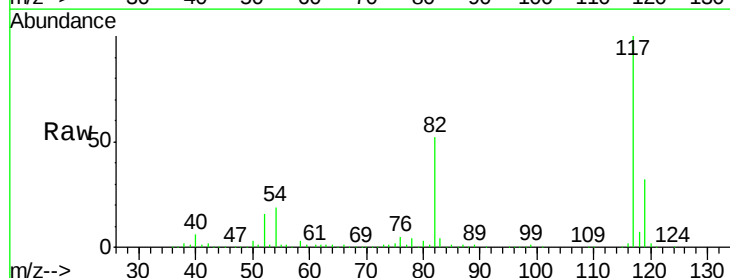
Tgt Ion: 117 Resp: 595402

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

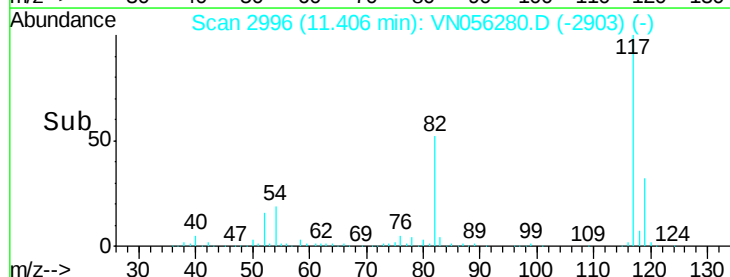
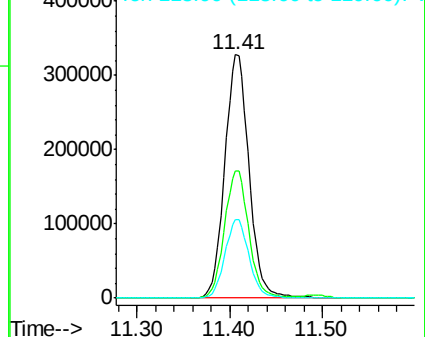
119 32.3 25.4 38.0

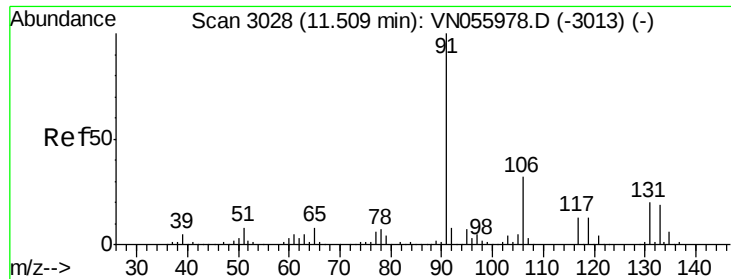


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#67

Ethyl Benzene

Concen: 307.455 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056280.D

Acq: 13 Jun 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1 061219

Tot Ion: 91 Resp: 6335021

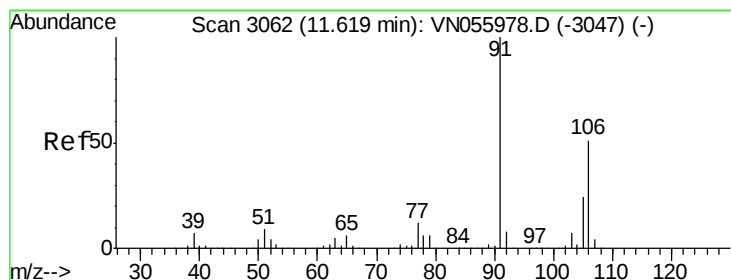
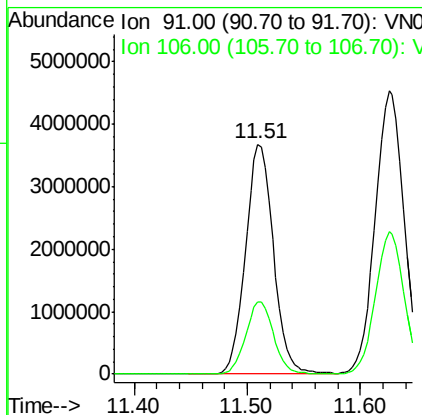
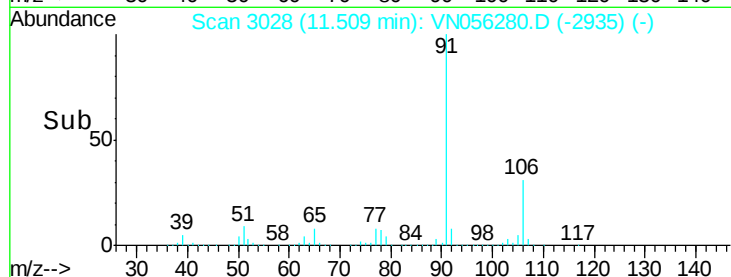
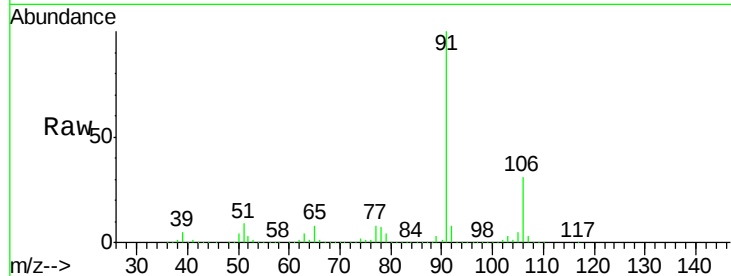
Ion Ratio Lower Upper

91 100

106 31.3 25.1 37.7

Manual Integrations
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#68

m/p-Xylenes

Concen: 513.784 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.01 min

Lab File: VN056280.D

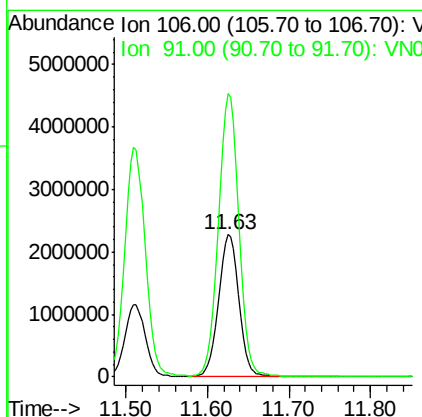
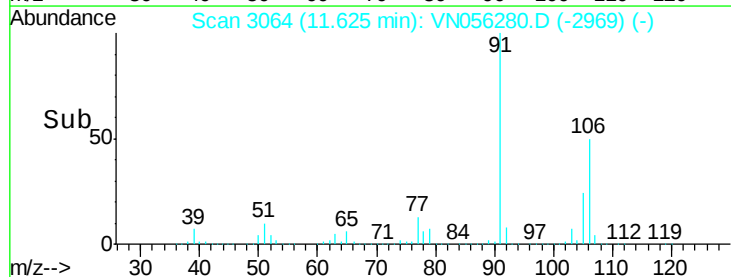
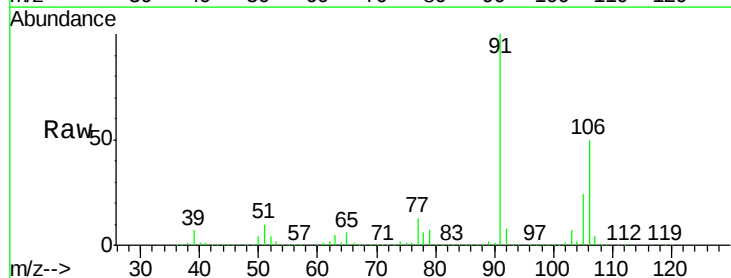
Acq: 13 Jun 2019 14:43

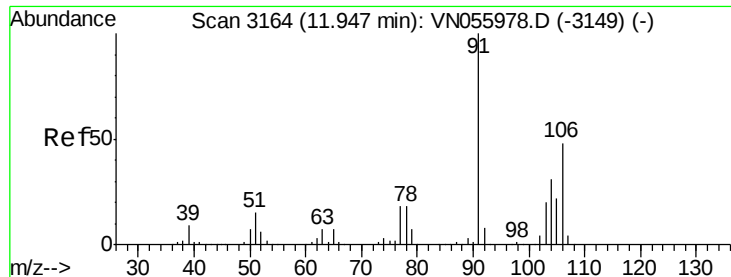
Tgt Ion: 106 Resp: 4044109

Ion Ratio Lower Upper

106 100

91 199.8 159.3 238.9





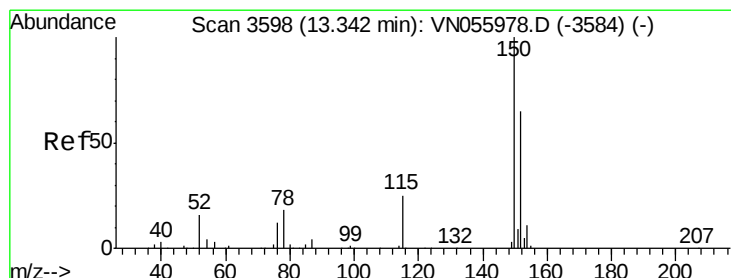
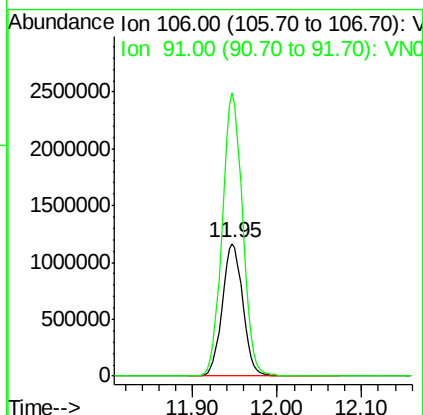
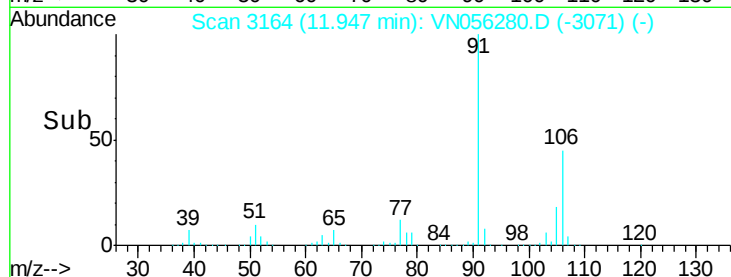
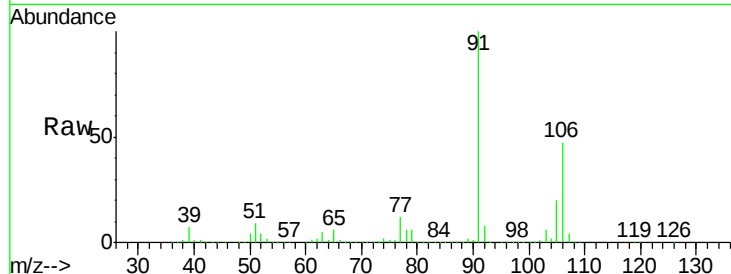
#69
o-Xylene
Concen: 253.788 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056280.D
Acq: 13 Jun 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-1_061219

Tot Ion:106 Resp: 1964985
Ion Ratio Lower Upper
106 100
91 212.0 104.7 314.1

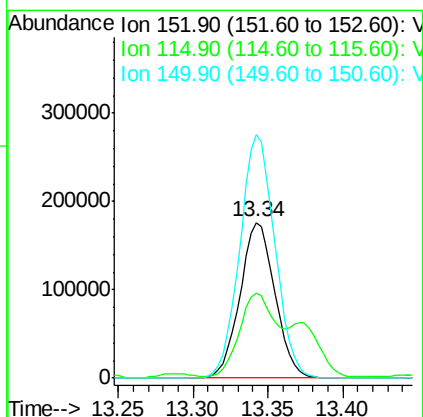
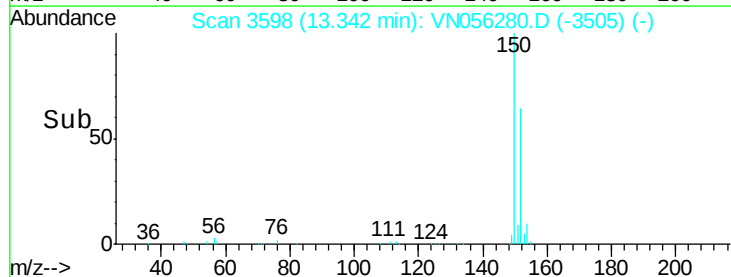
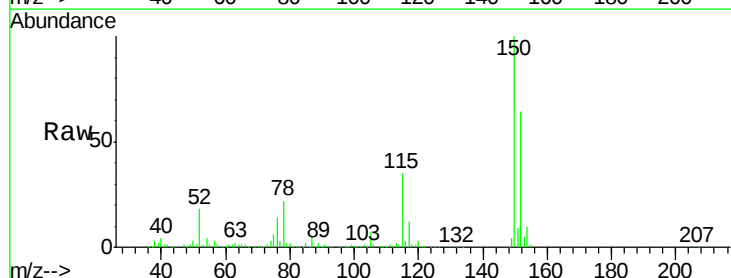
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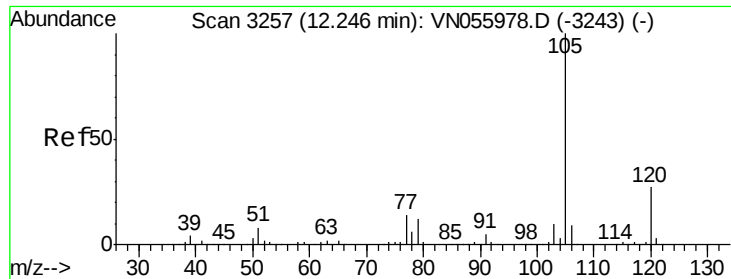
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056280.D
Acq: 13 Jun 2019 14:43

Tgt Ion:152 Resp: 286677
Ion Ratio Lower Upper
152 100
115 56.4 27.0 81.0
150 156.9 0.0 343.2





#73

Isopropylbenzene

Concen: 33.437 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056280.D

Acq: 13 Jun 2019 14:43

Instrument :

MSVOA_N

ClientSampleId :

PR-MW-1 061219

Tot Ion: 105 Resp: 699647

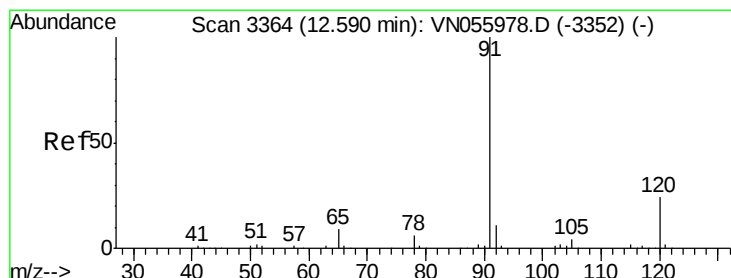
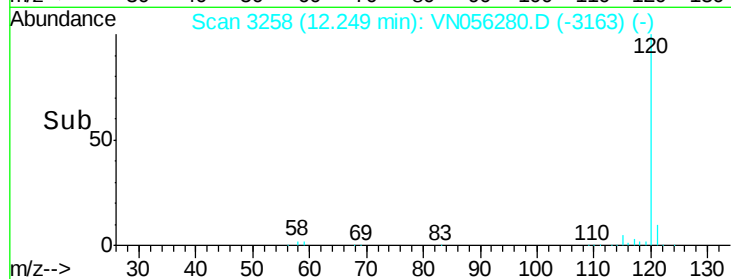
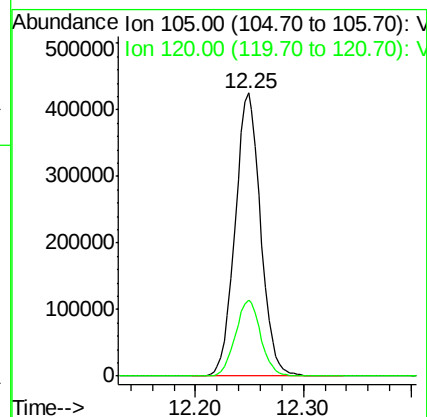
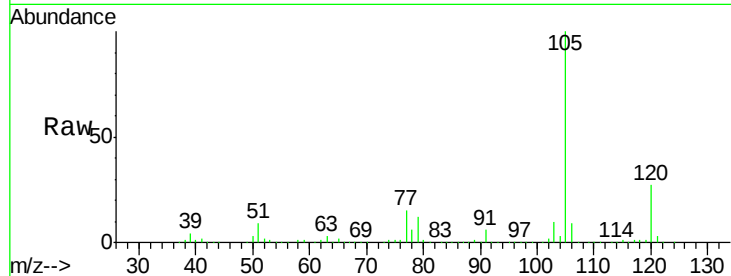
Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7

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#78

n-propylbenzene

Concen: 39.166 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056280.D

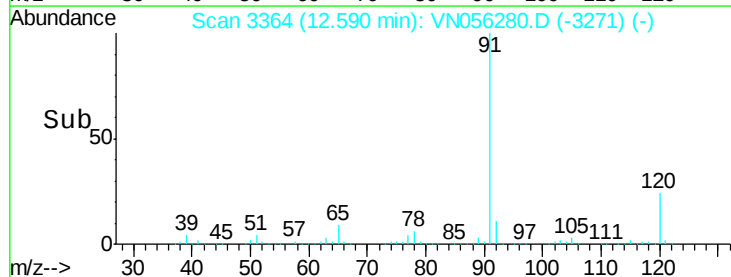
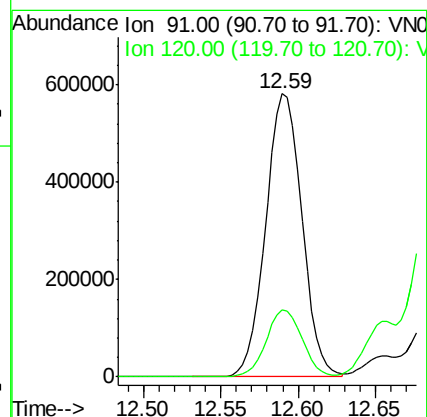
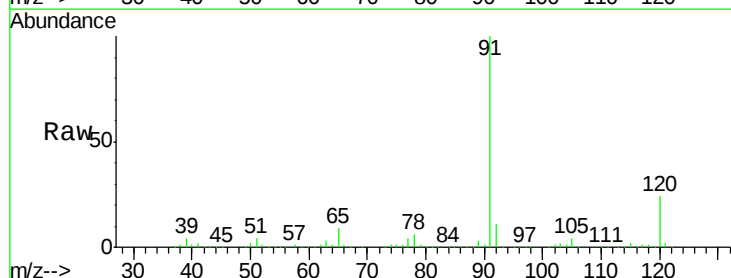
Acq: 13 Jun 2019 14:43

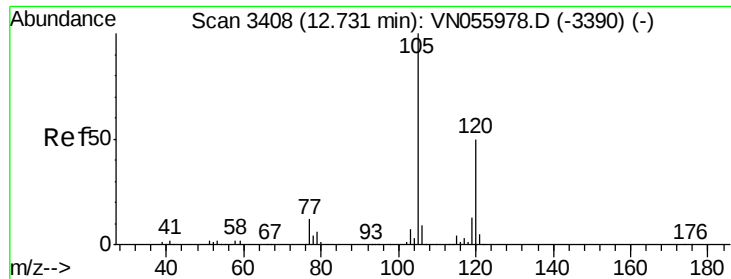
Tgt Ion: 91 Resp: 949876

Ion Ratio Lower Upper

91 100

120 23.6 12.0 36.0





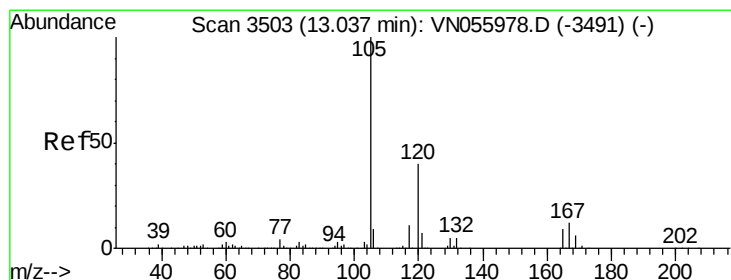
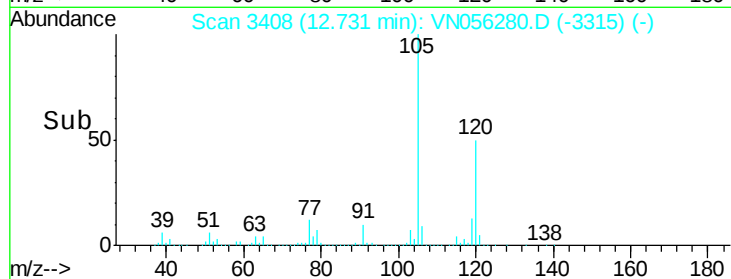
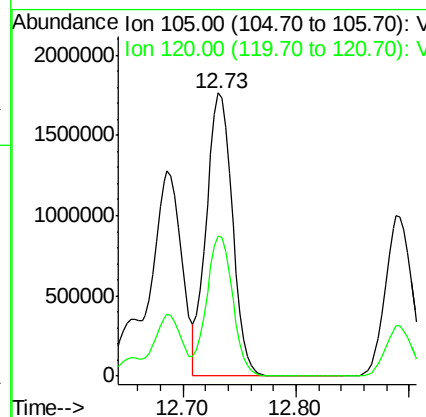
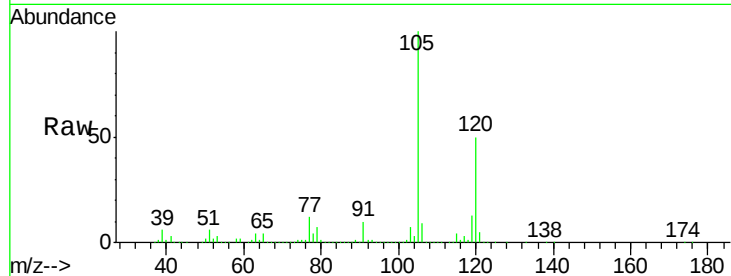
#80
 1,3,5-Trimethylbenzene
 Concen: 145.499 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056280.D
 Acq: 13 Jun 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 PR-MW-1_061219

Tot Ion:105 Resp: 2804492
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.7 74.1

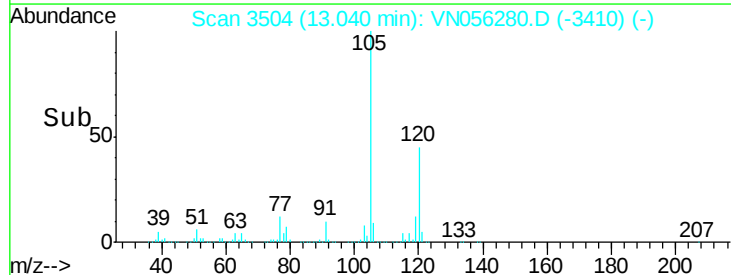
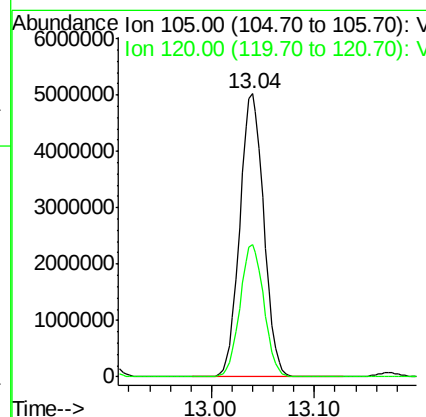
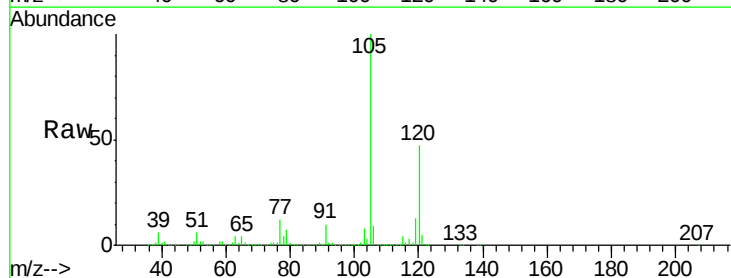
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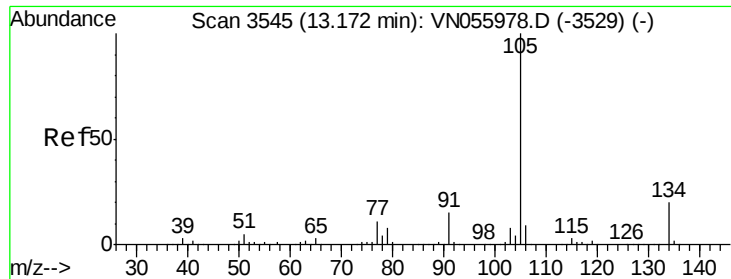
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#84
 1,2,4-Trimethylbenzene
 Concen: 445.117 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056280.D
 Acq: 13 Jun 2019 14:43

Tgt Ion:105 Resp: 8136081
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.0 69.0





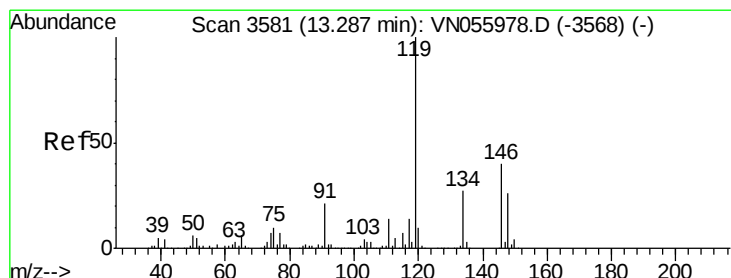
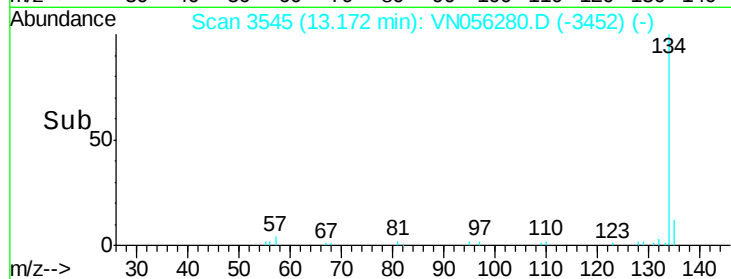
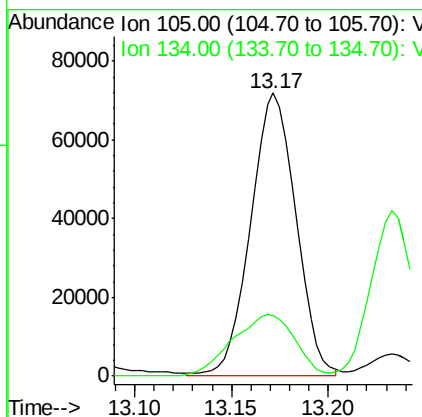
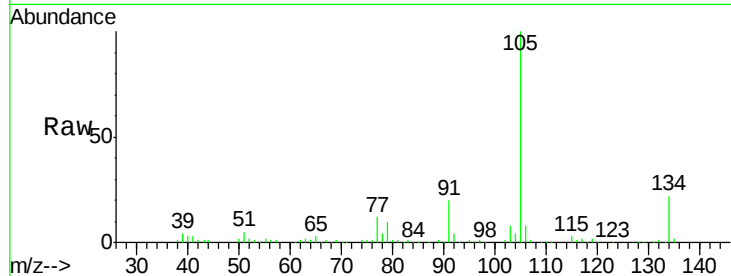
#85
 sec-Butylbenzene
 Concen: 5.459 ug/l m
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056280.D
 Acq: 13 Jun 2019 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 PR-MW-1_061219

Tot Ion:105 Resp: 117259
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

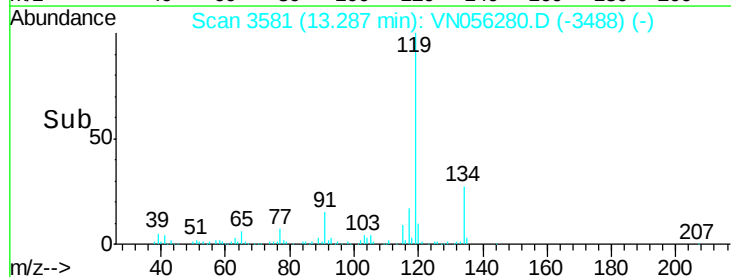
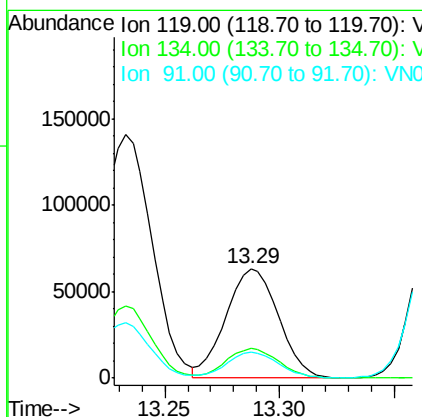
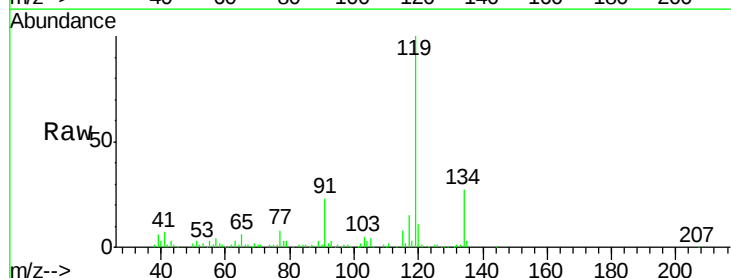
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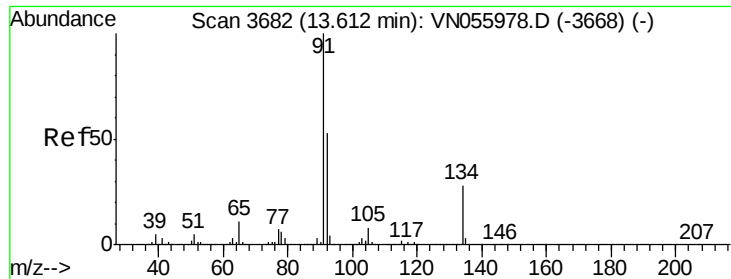
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#86
 p-Isopropyltoluene
 Concen: 5.255 ug/l m
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056280.D
 Acq: 13 Jun 2019 14:43

Tgt Ion:119 Resp: 101006
 Ion Ratio Lower Upper
 119 100
 134 63.5 13.4 40.1#
 91 46.2 10.9 32.9#





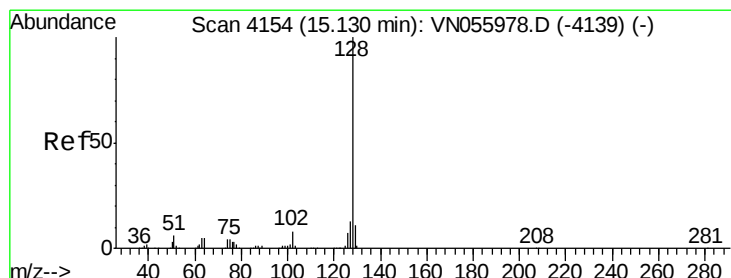
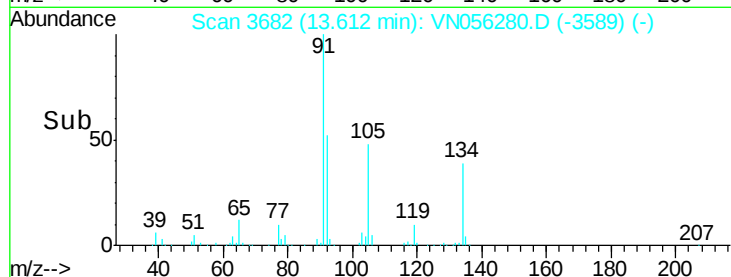
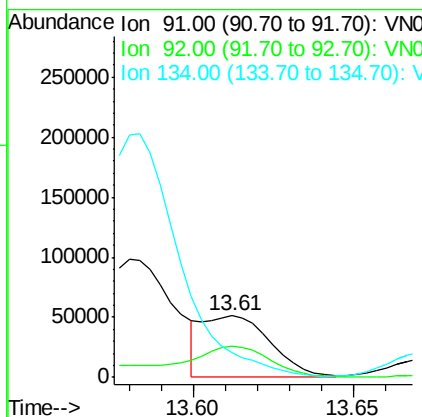
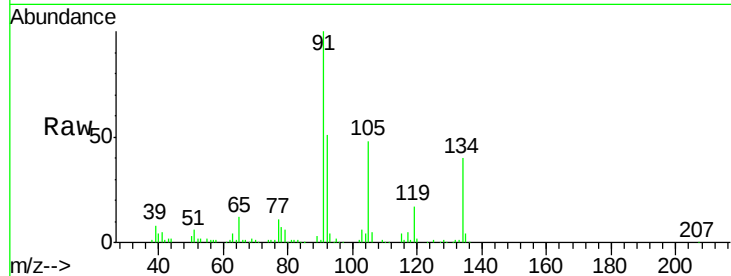
#89
n-Butylbenzene
Concen: 5.395 ug/l m
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056280.D
Acq: 13 Jun 2019 14:43

Instrument :
MSVOA_N
ClientSampleId :
PR-MW-1_061219

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.4	79.0#
134	465.9	13.9	41.7#

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#95
Naphthalene
Concen: 160.832 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056280.D
Acq: 13 Jun 2019 14:43

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.7	13.1

