

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042419\
 Data File : VN055231.D
 Acq On : 24 Apr 2019 16:35
 Operator : JC/SP
 Sample : K2541-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

Quant Time: Apr 25 06:58:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	378568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	645896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	601024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	248779	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	256318	50.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.04%	
35) Dibromofluoromethane	7.59	113	207805	47.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.72%	
50) Toluene-d8	10.09	98	797936	49.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.40	95	280281	54.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.88%	

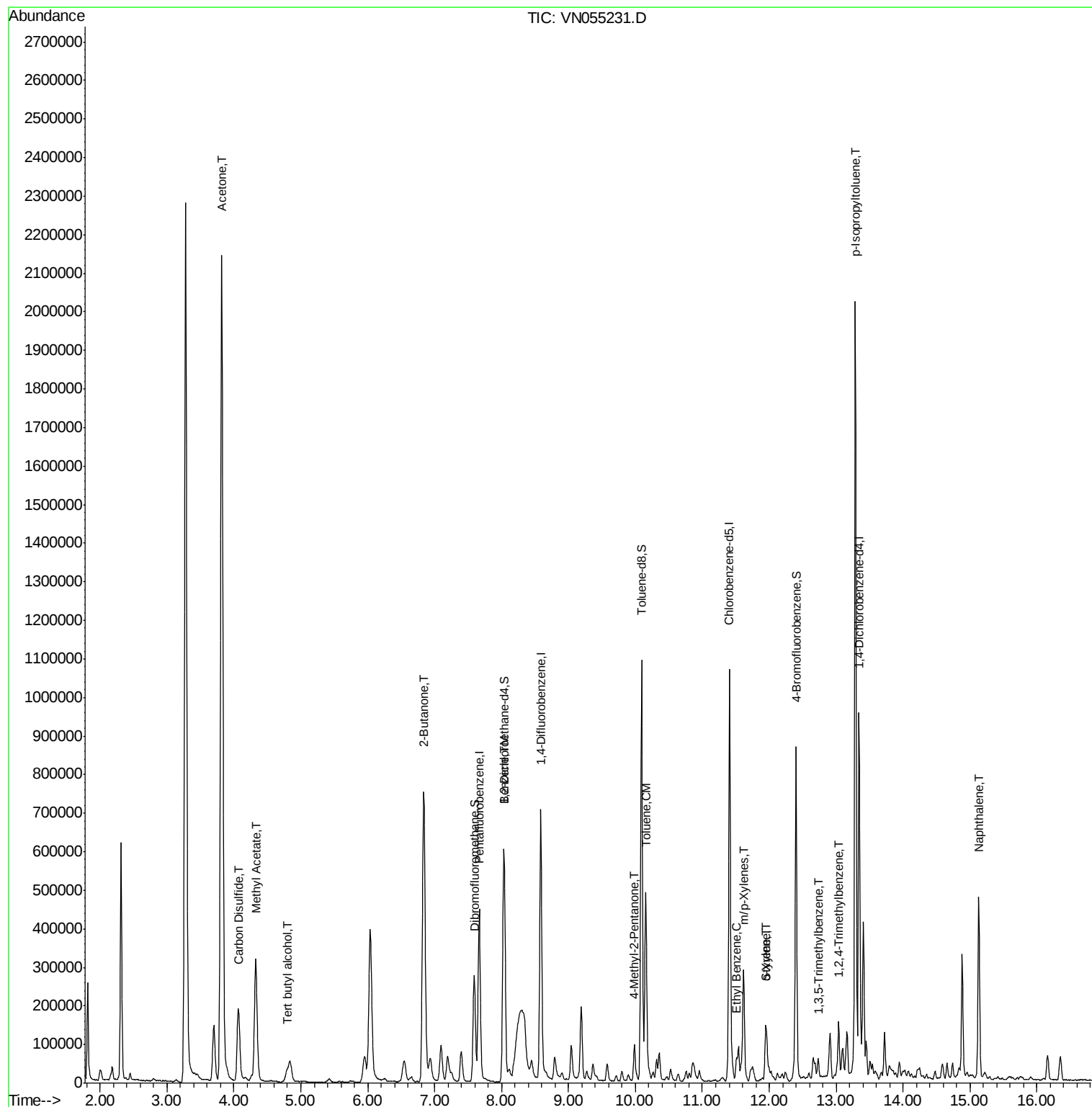
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	50026	167.229	ug/l	100
16) Acetone	3.82	43	3618663	2136.287	ug/l	99
17) Carbon Disulfide	4.06	76	5195	0.477	ug/l	99
18) Methyl Acetate	4.33	43	625501	174.657	ug/l	97
25) 2-Butanone	6.84	43	1435277	656.311	ug/l	100
40) Benzene	8.04	78	384281	20.765	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	71117	15.775	ug/l	96
52) Toluene	10.16	92	210281	19.383	ug/l	98
67) Ethyl Benzene	11.51	91	39170	1.792	ug/l	95
68) m/p-Xylenes	11.62	106	85191	10.870	ug/l	99
69) o-Xylene	11.95	106	27689	3.560	ug/l	98
70) Styrene	11.96	104	38628	3.204	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	21434	1.151	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	76902	4.376	ug/l	96
86) p-Isopropyltoluene	13.29	119	1137466	65.530	ug/l	99
95) Naphthalene	15.13	128	397019	49.667	ug/l	100

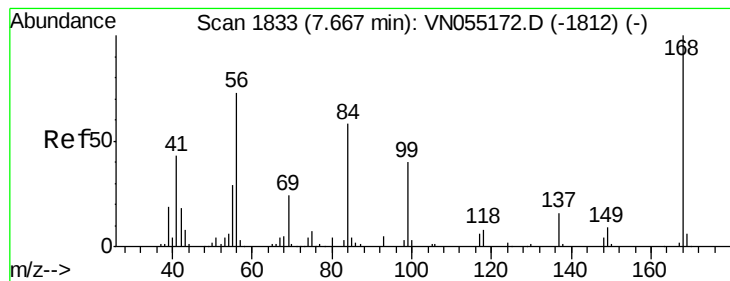
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055231.D

Acq: 24 Apr 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

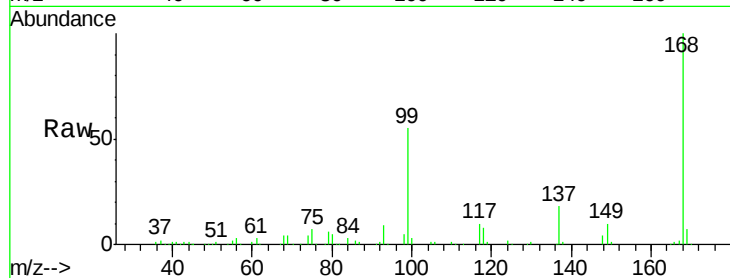
DRUM-COMP

Tot Ion:168 Resp: 378568

Ion Ratio Lower Upper

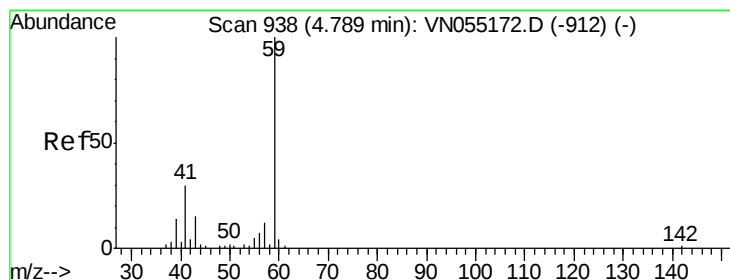
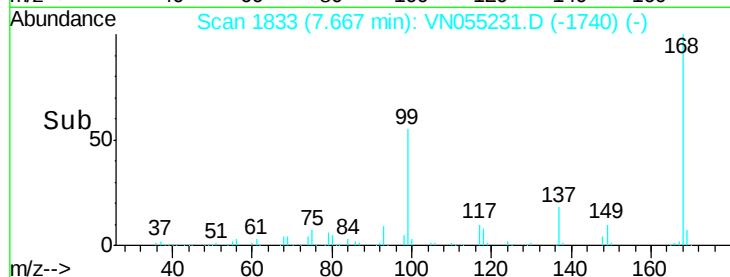
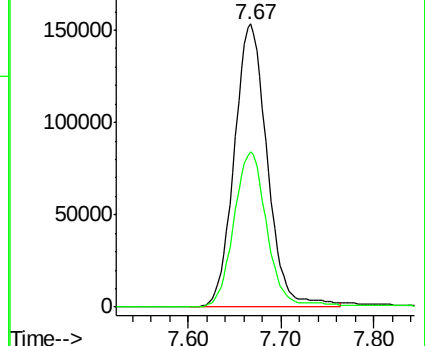
168 100

99 54.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 167.229 ug/l

RT: 4.79 min Scan# 937

Delta R.T. -0.00 min

Lab File: VN055231.D

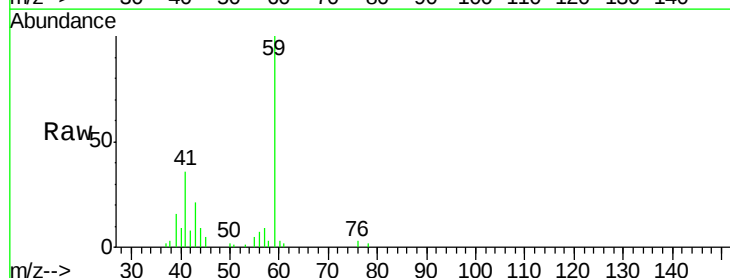
Acq: 24 Apr 2019 16:35

Tgt Ion: 59 Resp: 50026

Ion Ratio Lower Upper

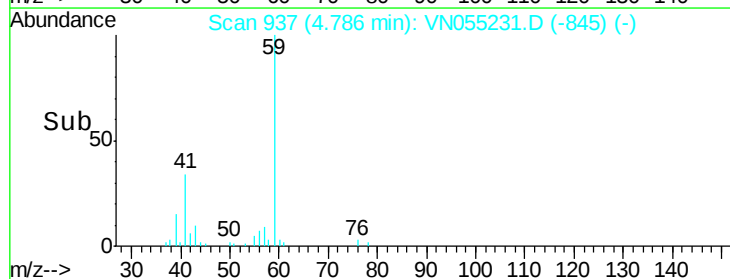
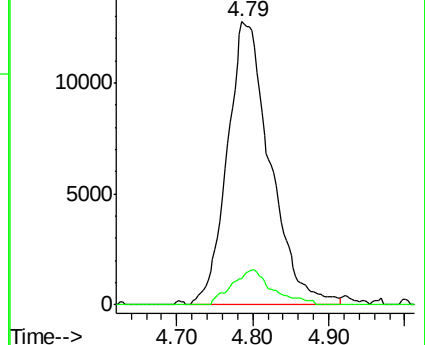
59 100

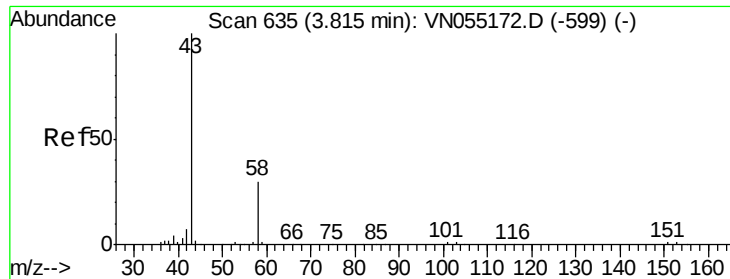
57 10.9 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

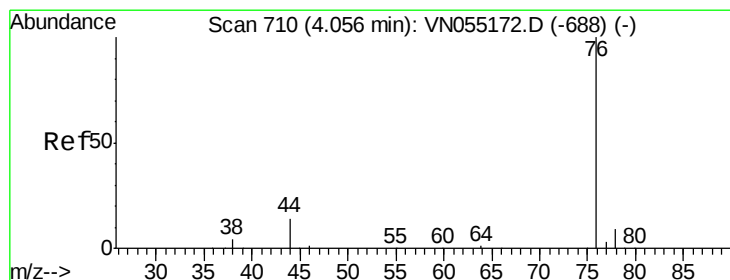
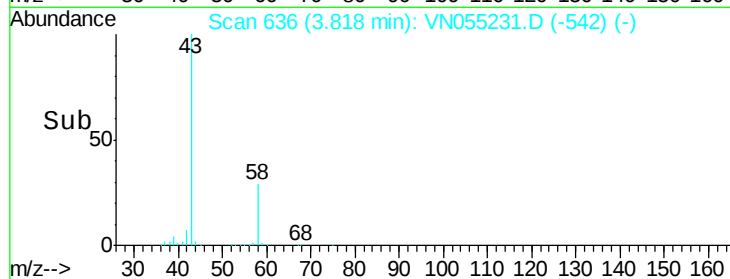
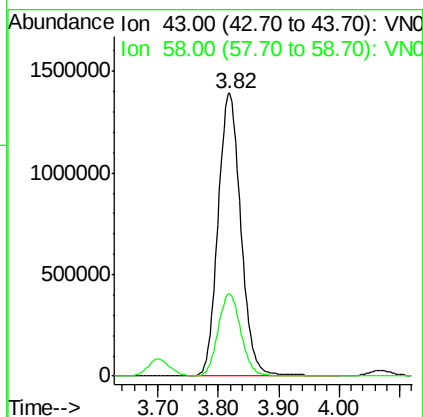
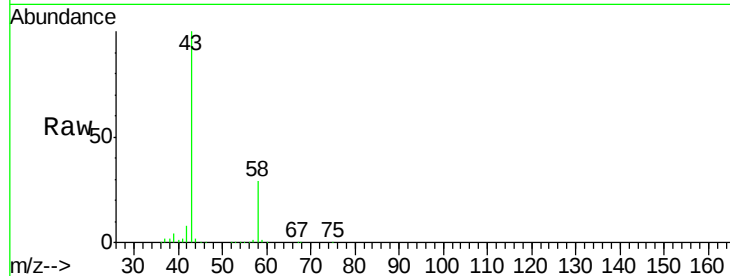




#16
Acetone
Concen: 2136.287 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN055231.D
Acq: 24 Apr 2019 16:35

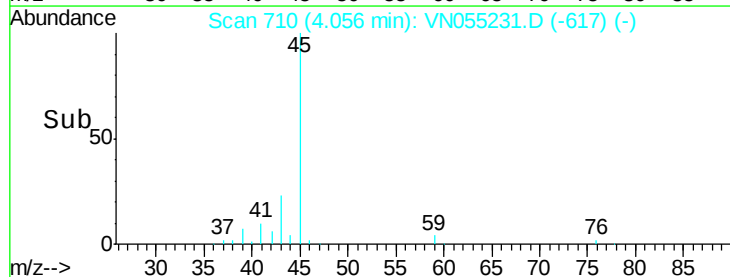
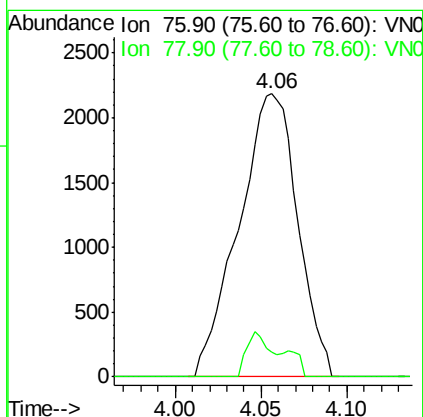
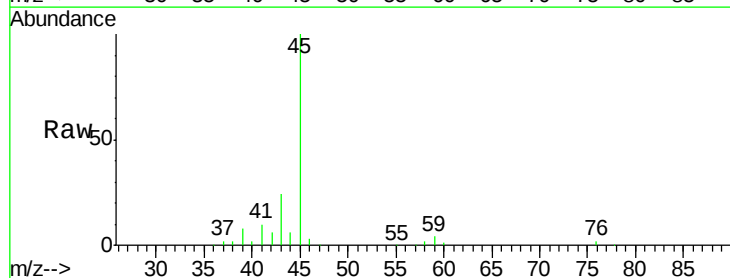
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

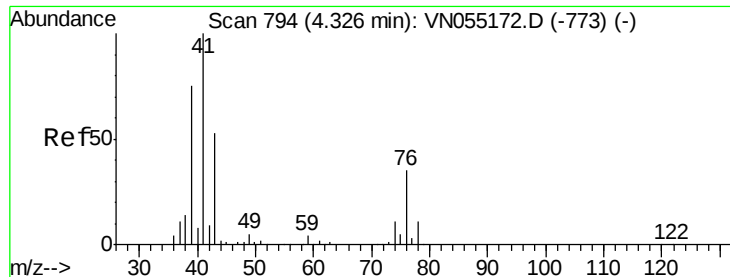
Tot Ion: 43 Resp: 3618663
Ion Ratio Lower Upper
43 100
58 29.1 23.8 35.8



#17
Carbon Disulfide
Concen: 0.477 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055231.D
Acq: 24 Apr 2019 16:35

Tgt Ion: 76 Resp: 5195
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9

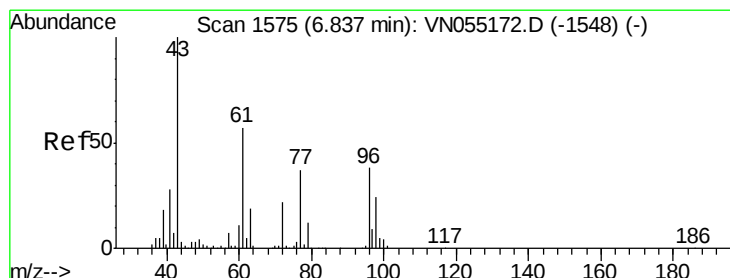
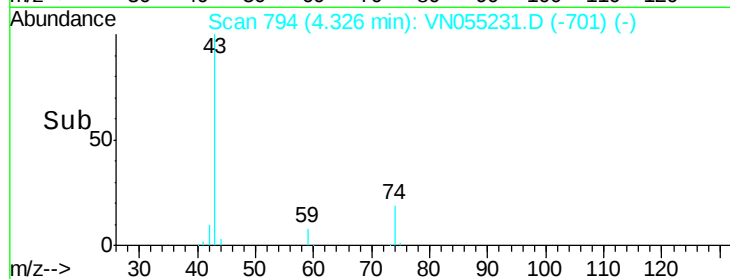
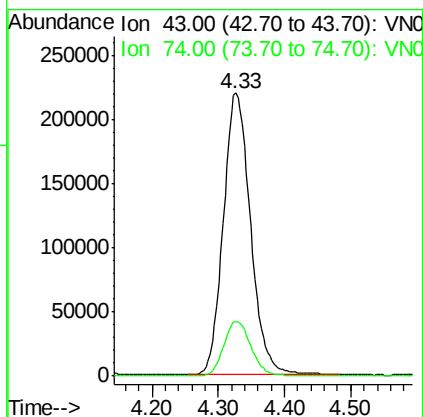
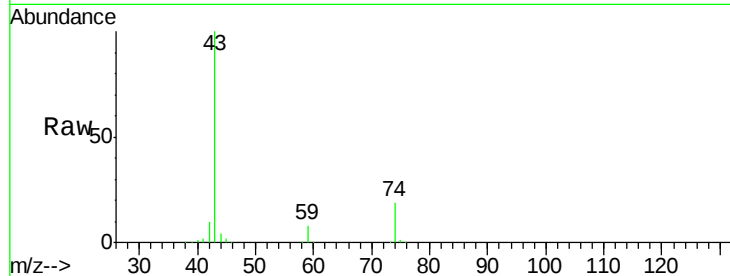




#18
Methvl Acetate
Concen: 174.657 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055231.D
Acq: 24 Apr 2019 16:35

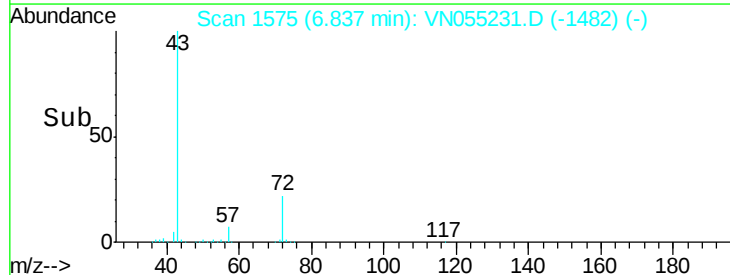
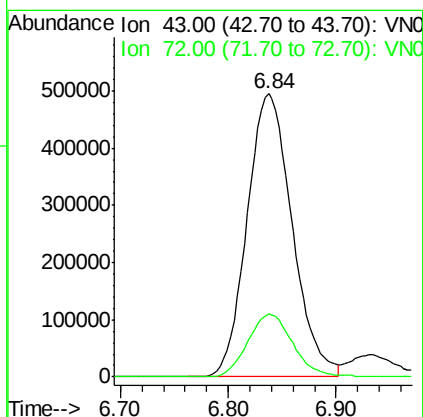
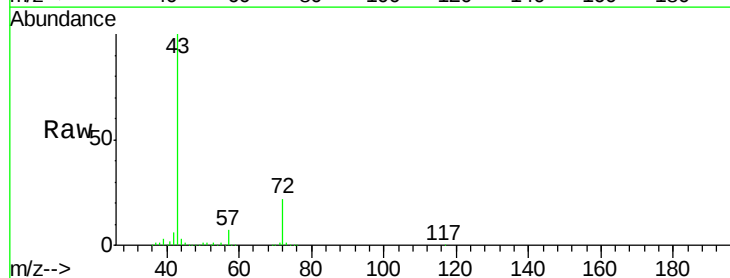
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

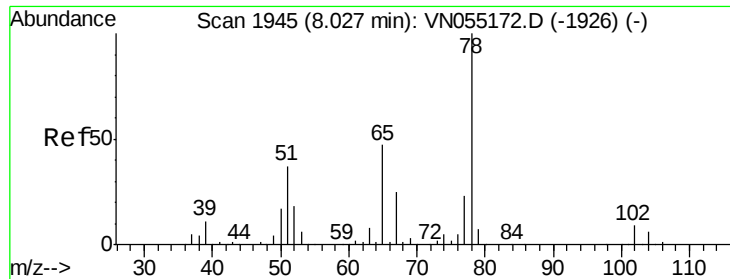
Tot Ion: 43 Resp: 625501
Ion Ratio Lower Upper
43 100
74 19.5 16.7 25.1



#25
2-Butanone
Concen: 656.311 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN055231.D
Acq: 24 Apr 2019 16:35

Tgt Ion: 43 Resp: 1435277
Ion Ratio Lower Upper
43 100
72 22.1 17.8 26.8

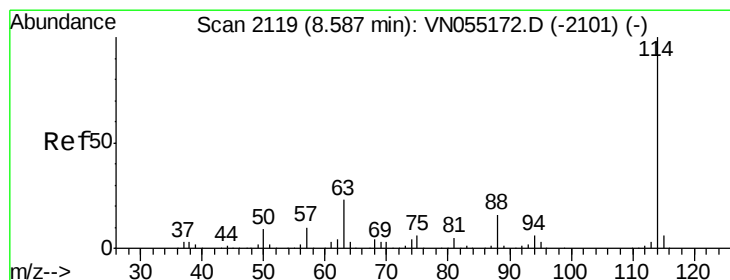
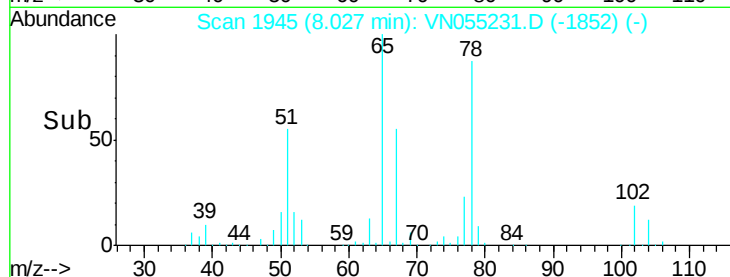
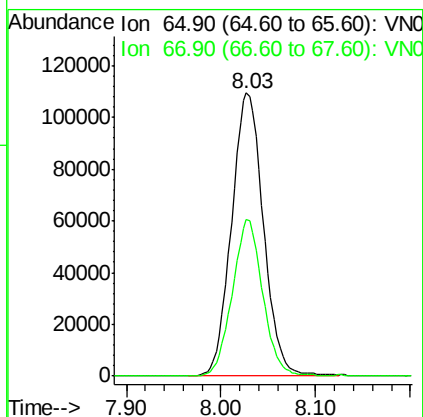
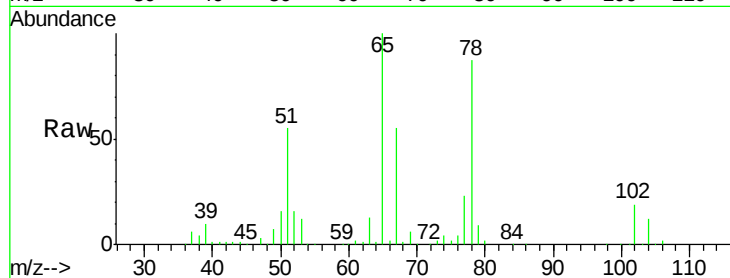




#33
 1,2-Dichloroethane-d4
 Concen: 50.023 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055231.D
 Acq: 24 Apr 2019 16:35

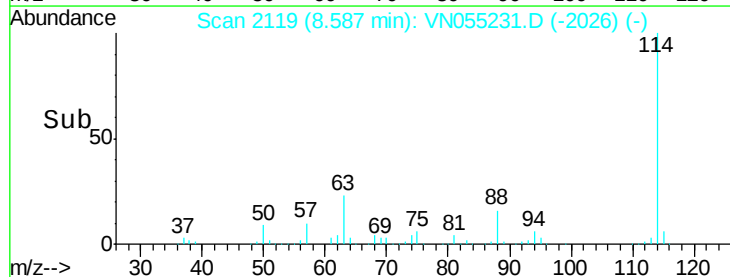
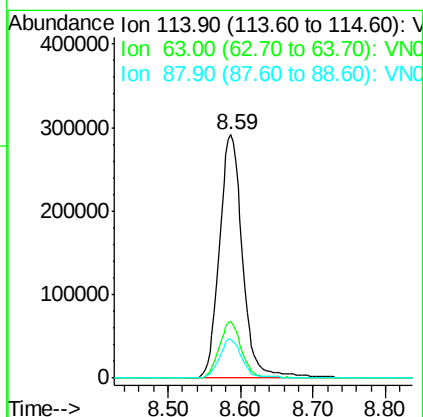
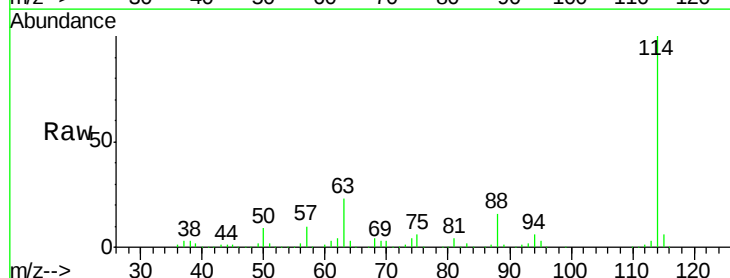
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

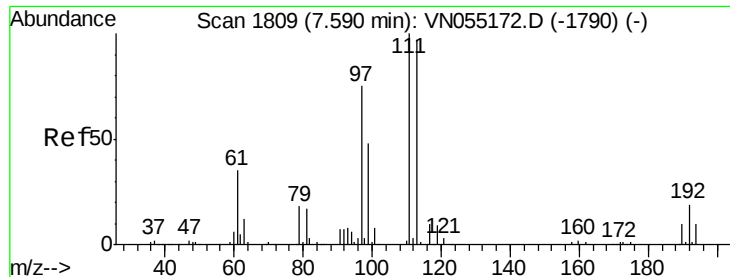
Tot Ion: 65 Resp: 256318
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055231.D
 Acq: 24 Apr 2019 16:35

Tgt Ion: 114 Resp: 645896
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.2
 88 15.9 0.0 32.8

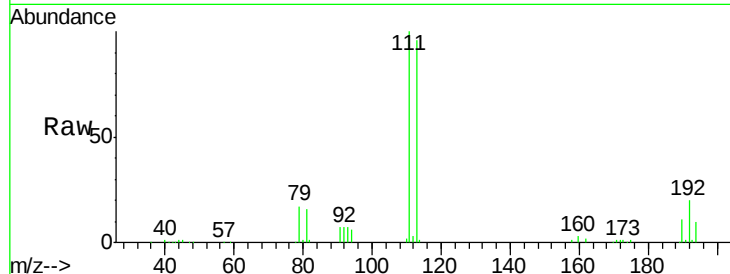




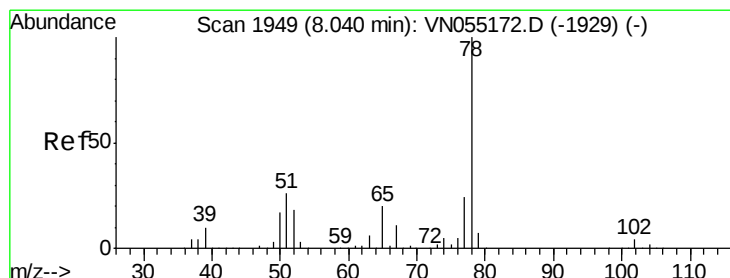
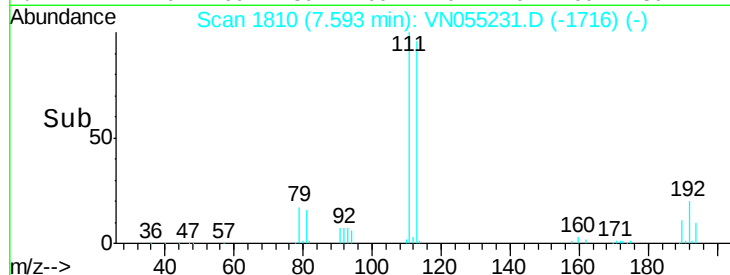
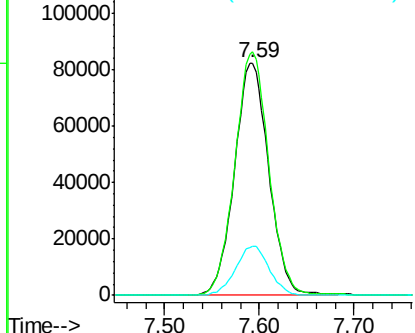
#35
 Dibromofluoromethane
 Concen: 47.359 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055231.D
 Acq: 24 Apr 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

Tot Ion:113 Resp: 207805
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.0 121.4
 192 20.8 16.2 24.4

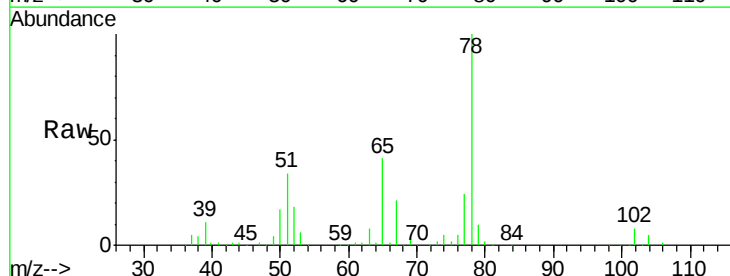


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

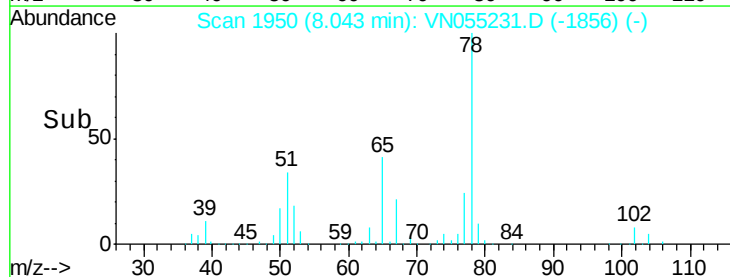
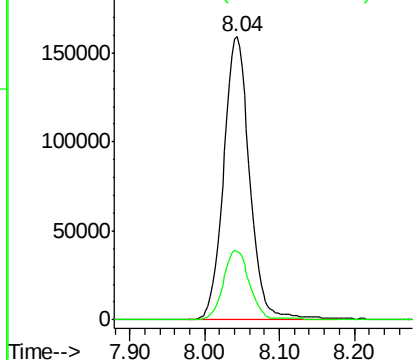


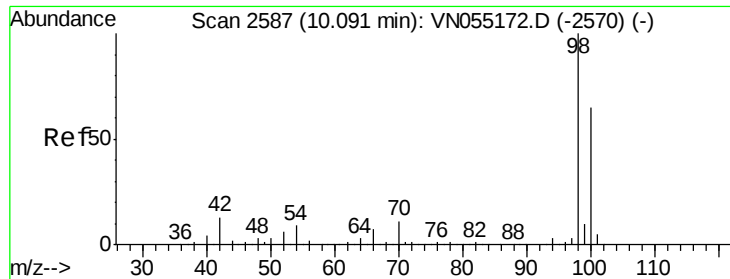
#40
 Benzene
 Concen: 20.765 ug/l
 RT: 8.04 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: VN055231.D
 Acq: 24 Apr 2019 16:35

Tgt Ion: 78 Resp: 384281
 Ion Ratio Lower Upper
 78 100
 77 24.3 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): V
 Ion 77.00 (76.70 to 77.70): V





#50

Toluene-d8

Concen: 49.080 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055231.D

Acq: 24 Apr 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

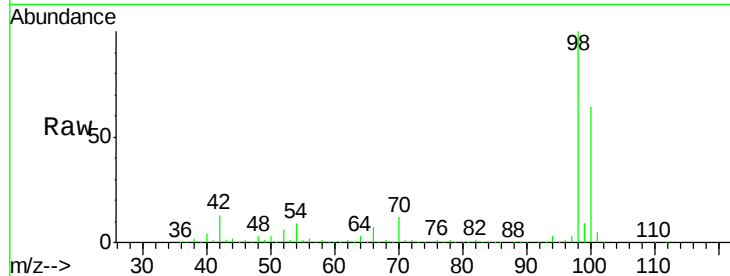
DRUM-COMP

Tot Ion: 98 Resp: 797936

Ion Ratio Lower Upper

98 100

100 63.6 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN055172.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055172.D (-2570) (-)

10.09

400000

300000

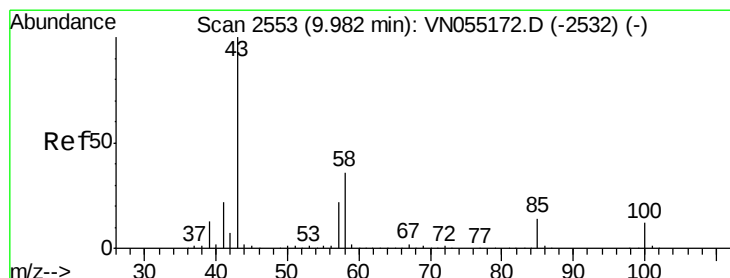
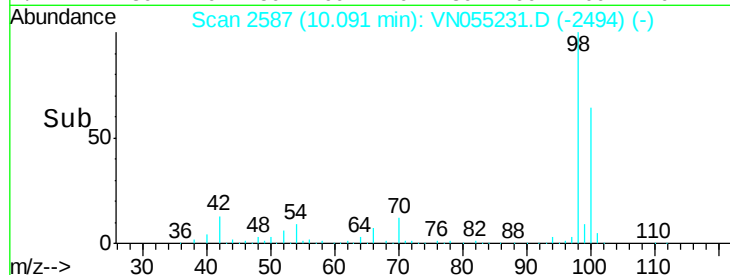
200000

100000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 15.775 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055231.D

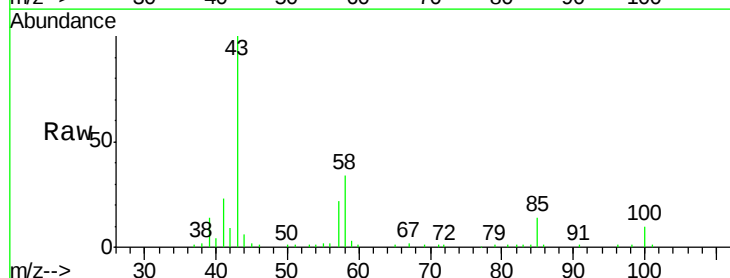
Acq: 24 Apr 2019 16:35

Tgt Ion: 43 Resp: 71117

Ion Ratio Lower Upper

43 100

58 33.1 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2532) (-)

9.99

40000

30000

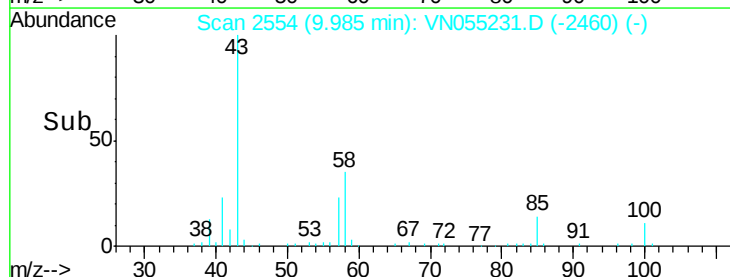
20000

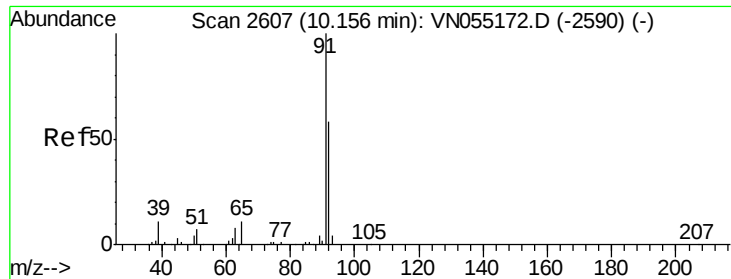
10000

0

9.90 10.00

Time-->





#52

Toluene

Concen: 19.383 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055231.D

Acq: 24 Apr 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

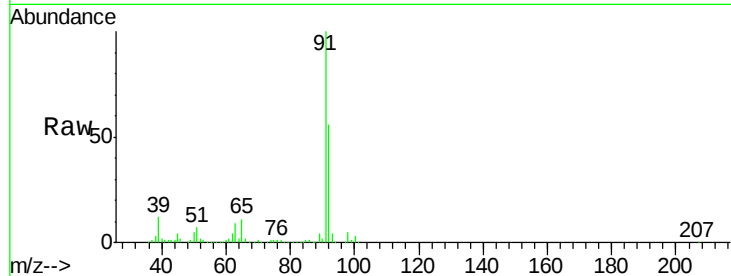
DRUM-COMP

Tot Ion: 92 Resp: 210281

Ion Ratio Lower Upper

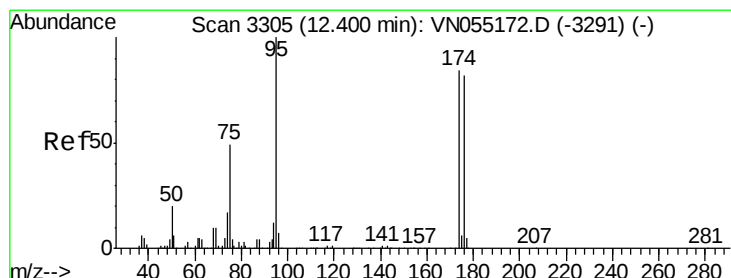
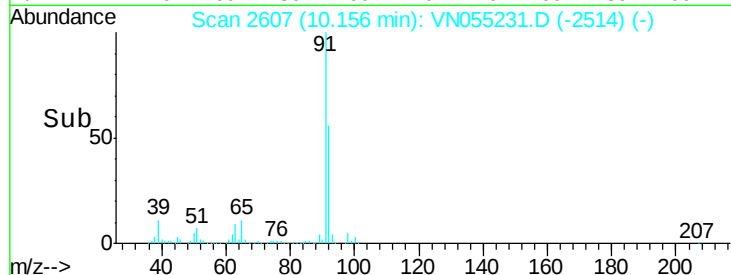
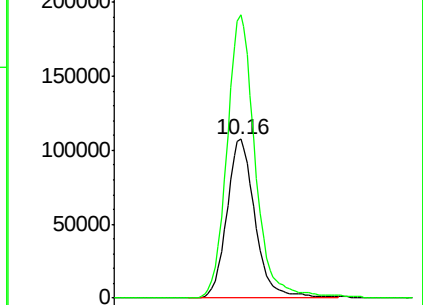
92 100

91 176.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 54.440 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055231.D

Acq: 24 Apr 2019 16:35

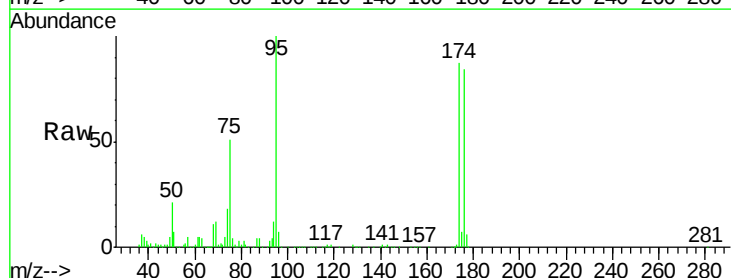
Tgt Ion: 95 Resp: 280281

Ion Ratio Lower Upper

95 100

174 84.7 0.0 168.4

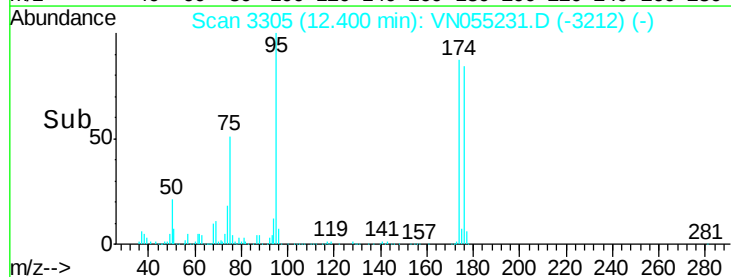
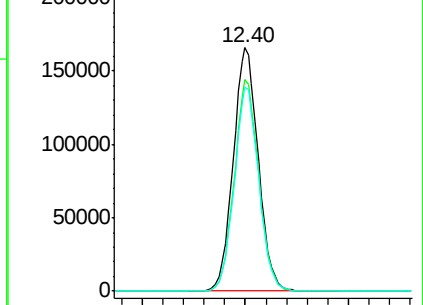
176 82.0 0.0 164.0

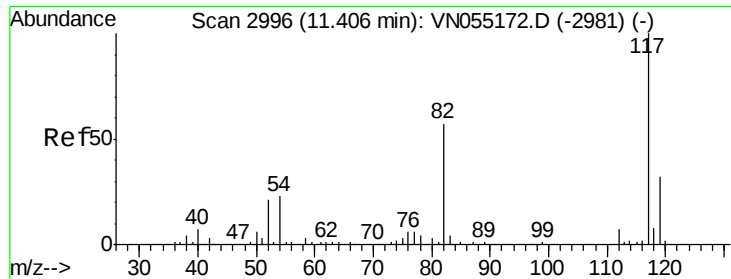


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

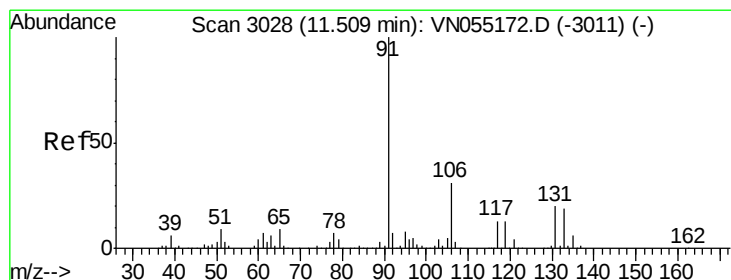
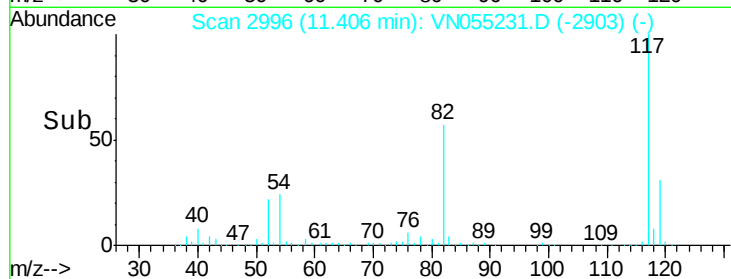
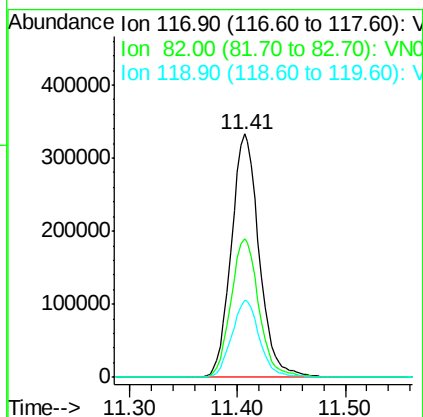
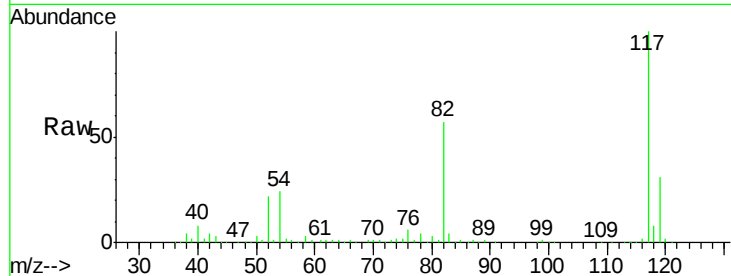




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055231.D
Acq: 24 Apr 2019 16:35

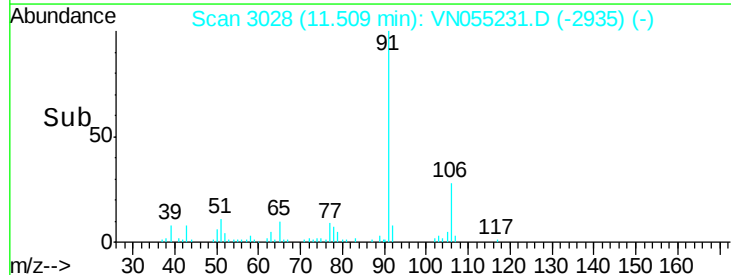
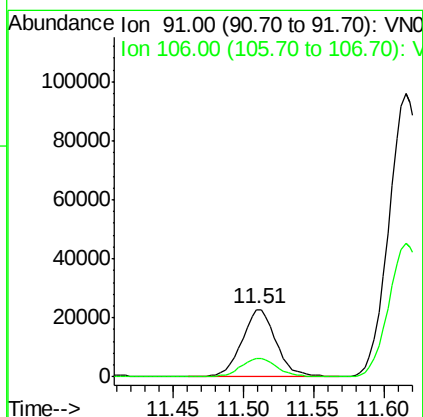
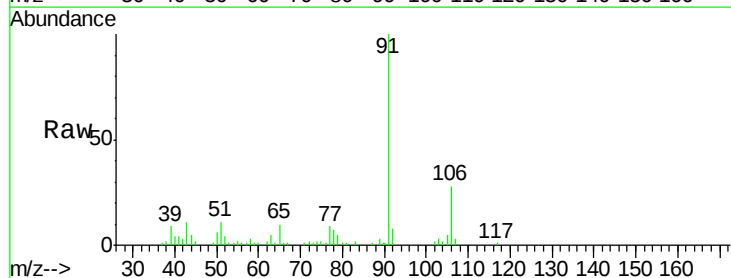
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

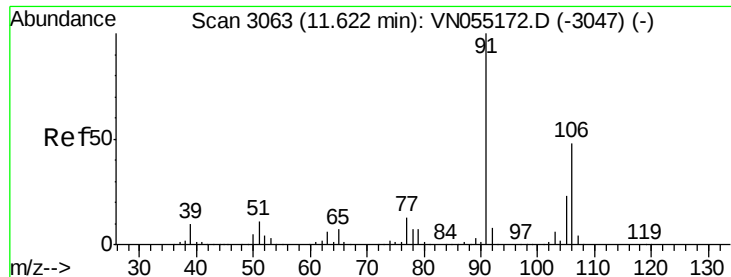
Tot Ion:117 Resp: 601024
Ion Ratio Lower Upper
117 100
82 57.0 45.7 68.5
119 31.5 25.4 38.2



#67
Ethyl Benzene
Concen: 1.792 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055231.D
Acq: 24 Apr 2019 16:35

Tgt Ion: 91 Resp: 39170
Ion Ratio Lower Upper
91 100
106 27.7 24.5 36.7

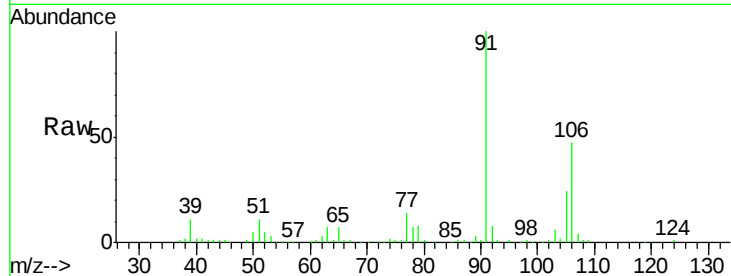




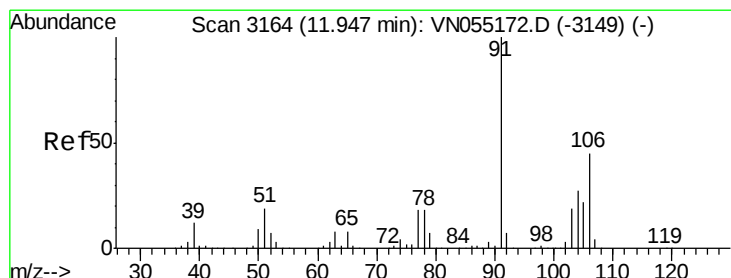
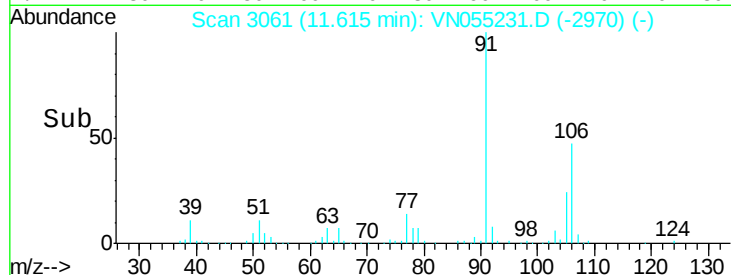
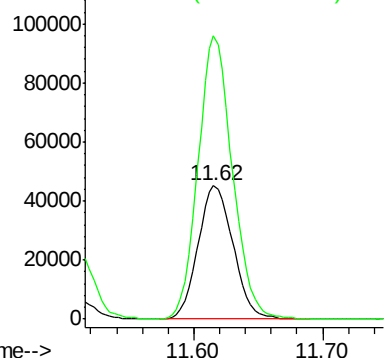
#68
m/p-Xylenes
Concen: 10.870 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN055231.D
Acq: 24 Apr 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

Tot Ion:106 Resp: 85191
Ion Ratio Lower Upper
106 100
91 206.8 167.1 250.7

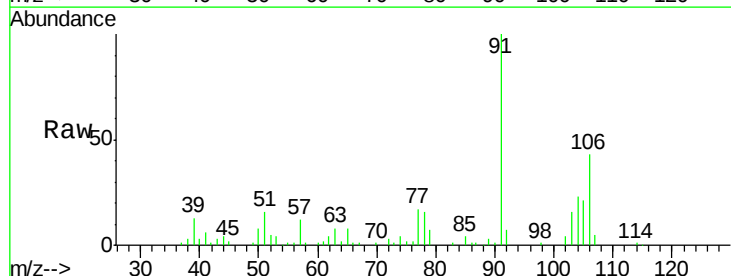


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

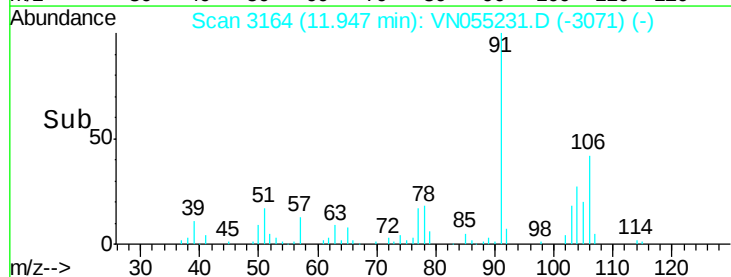
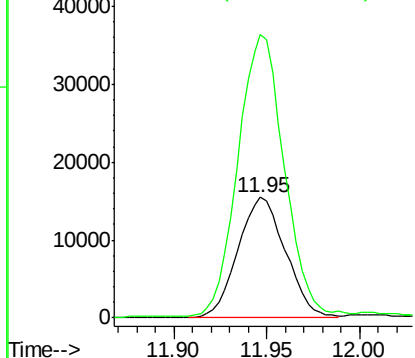


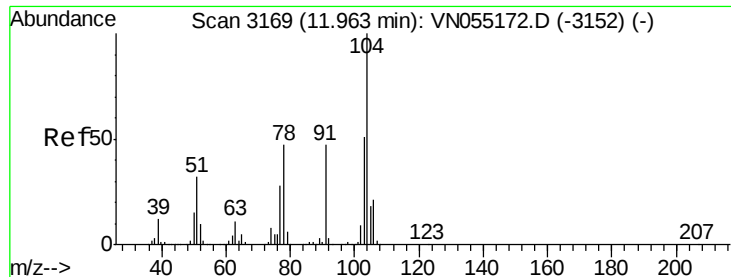
#69
o-Xylene
Concen: 3.560 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055231.D
Acq: 24 Apr 2019 16:35

Tgt Ion:106 Resp: 27689
Ion Ratio Lower Upper
106 100
91 224.4 110.6 331.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

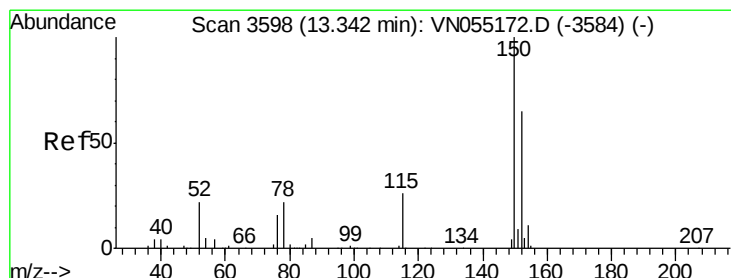
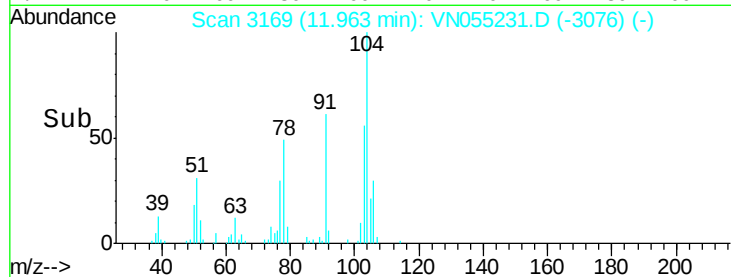
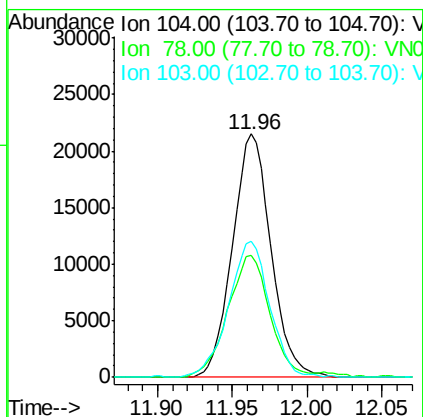
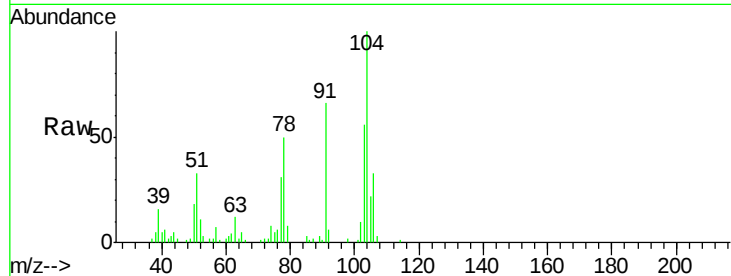




#70
Stvrene
Concen: 3.204 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055231.D
Acq: 24 Apr 2019 16:35

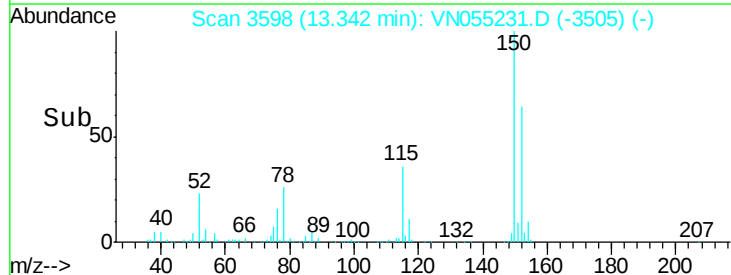
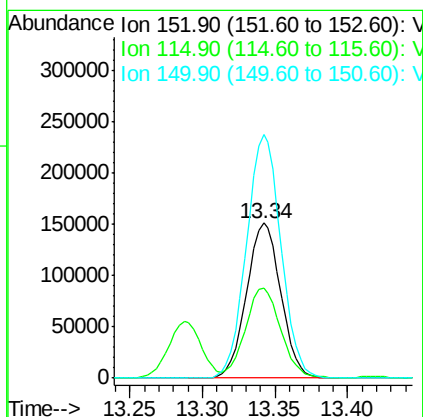
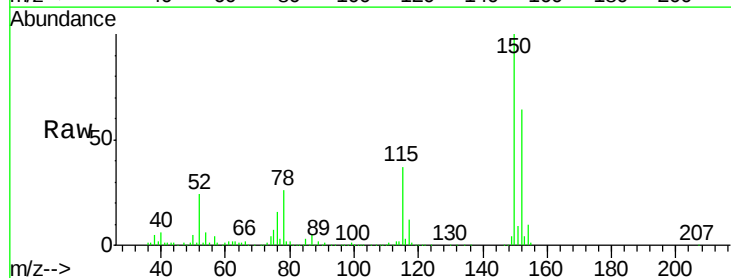
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

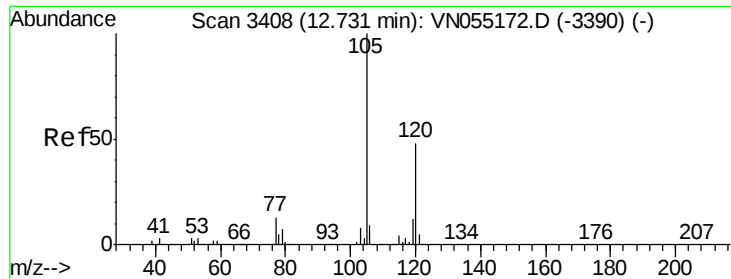
Tot Ion:104 Resp: 38628
Ion Ratio Lower Upper
104 100
78 54.9 41.3 61.9
103 59.5 44.2 66.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055231.D
Acq: 24 Apr 2019 16:35

Tgt Ion:152 Resp: 248779
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.7
150 158.1 0.0 346.6





#80

1,3,5-Trimethylbenzene

Concen: 1.151 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055231.D

Acq: 24 Apr 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

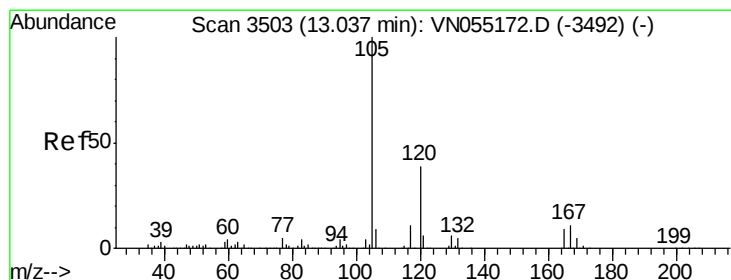
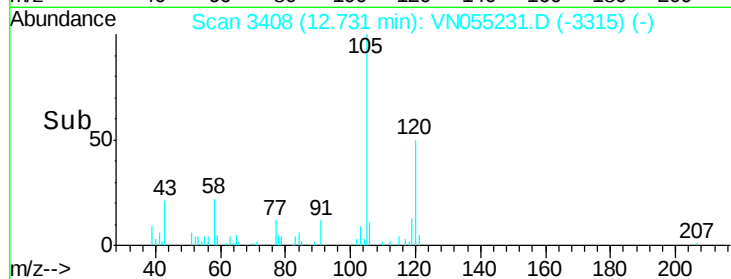
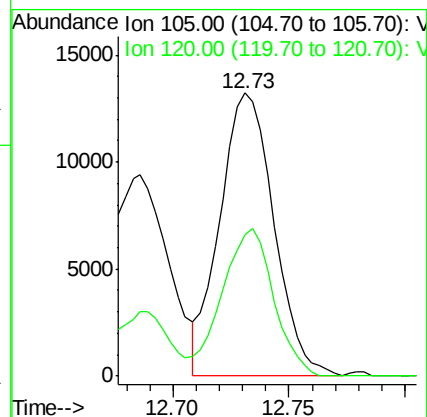
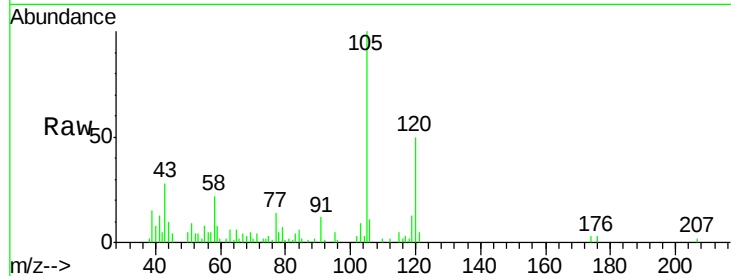
DRUM-COMP

Tot Ion:105 Resp: 21434

Ion Ratio Lower Upper

105 100

120 49.9 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 4.376 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055231.D

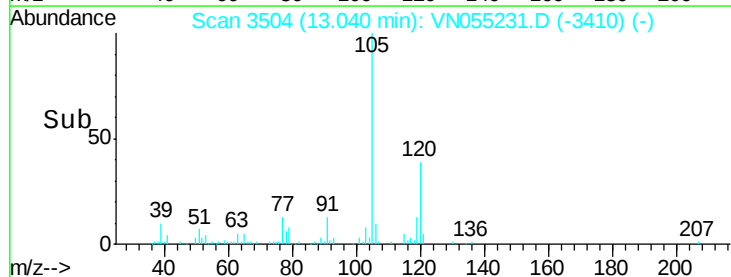
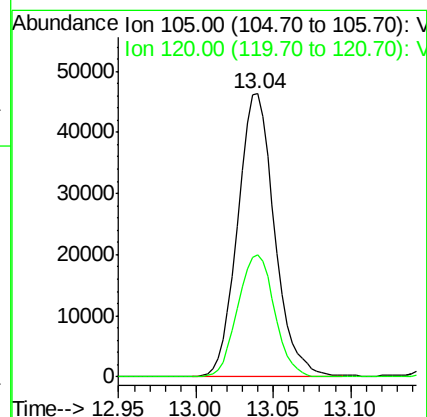
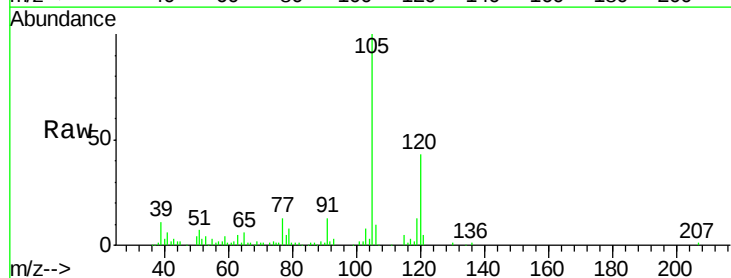
Acq: 24 Apr 2019 16:35

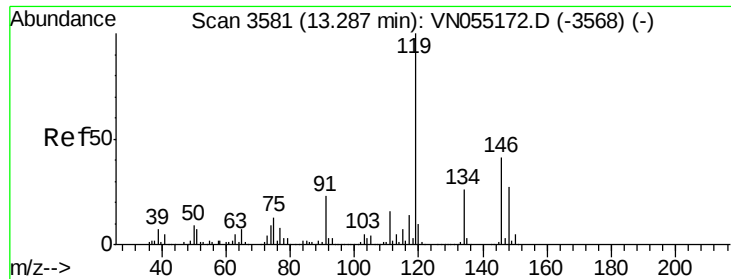
Tgt Ion:105 Resp: 76902

Ion Ratio Lower Upper

105 100

120 43.0 22.7 68.1





#86

p-Isopropyltoluene

Concen: 65.530 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055231.D

Acq: 24 Apr 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP

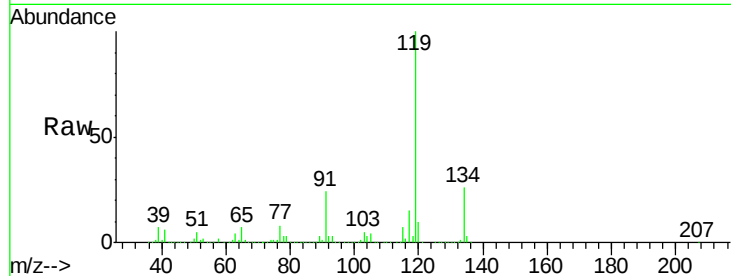
Tot Ion:119 Resp: 1137466

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

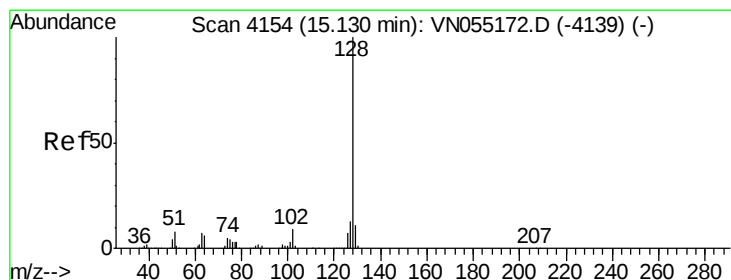
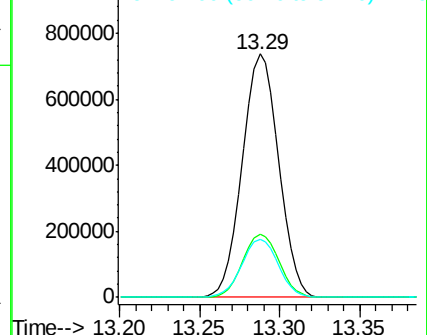
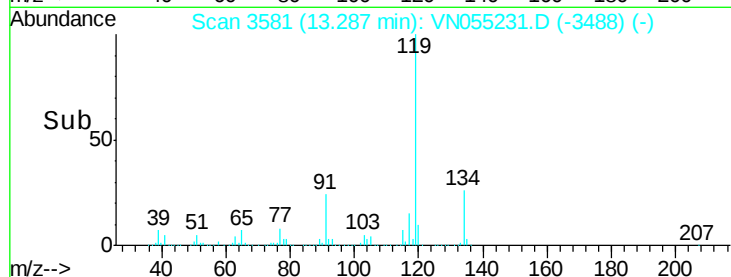
91 24.2 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#95

Naphthalene

Concen: 49.667 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055231.D

Acq: 24 Apr 2019 16:35

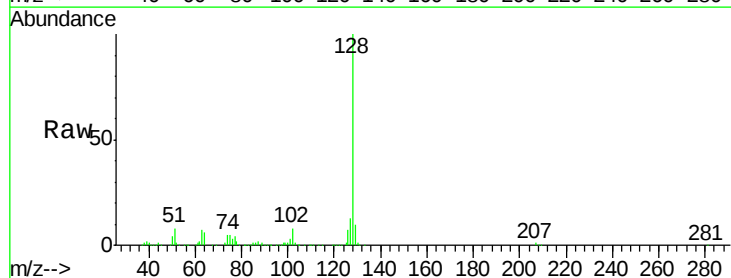
Tgt Ion:128 Resp: 397019

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.6 8.8 13.2



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

