

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059289.D
 Acq On : 18 Nov 2019 17:12
 Operator : JC/SP
 Sample : K5900-08 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30698

Quant Time: Nov 19 08:37:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	496626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	782845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	692566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	302788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	285663	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	7.57	113	229102	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.08	98	956912	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.40	95	332688	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

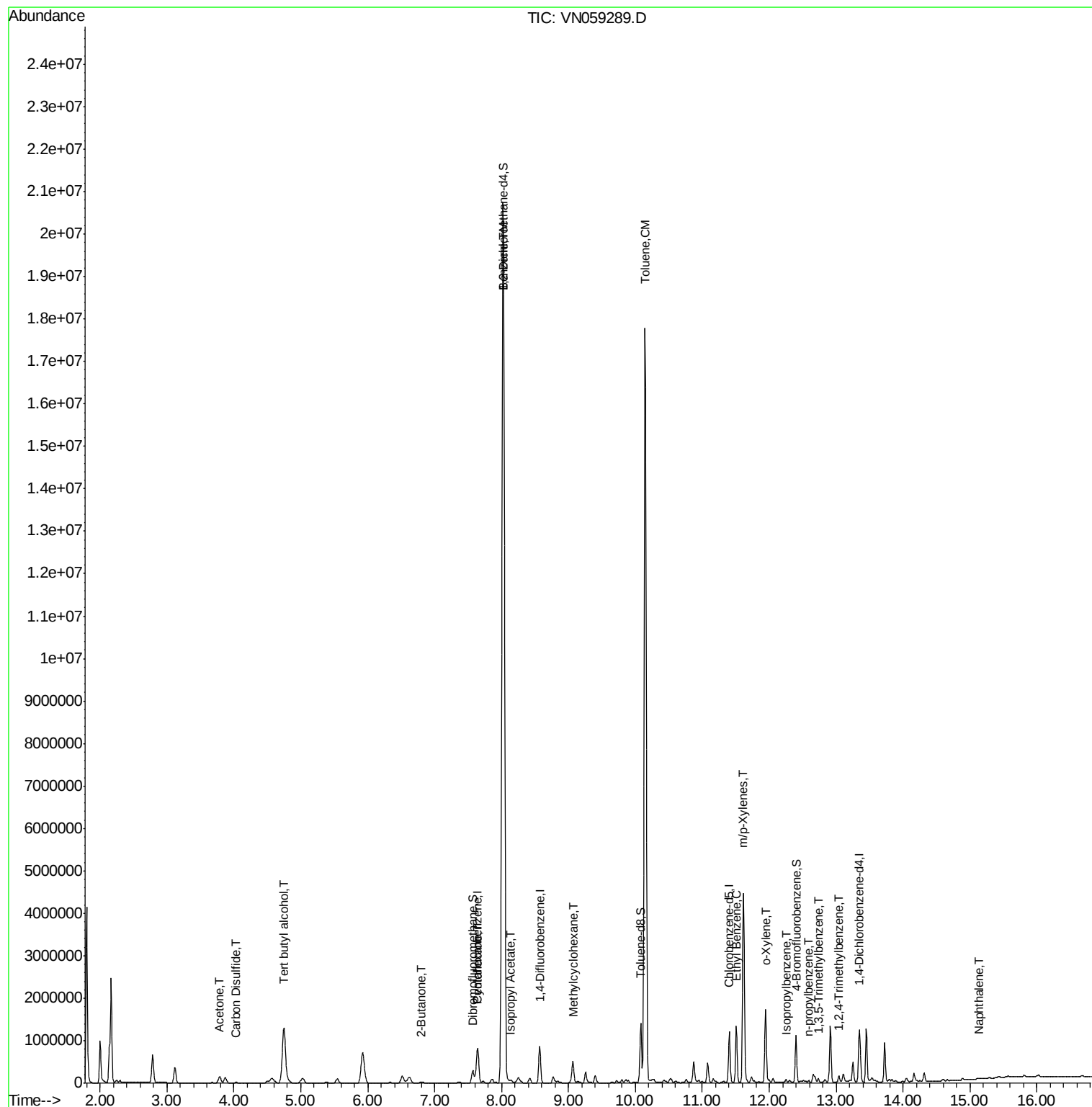
						Qvalue
11) Tert butyl alcohol	4.75	59	2693819	2315.381	ug/l	99
16) Acetone	3.79	43	188652	59.425	ug/l	94
17) Carbon Disulfide	4.03	76	22280	1.549	ug/l #	92
25) 2-Butanone	6.81	43	35614	8.512	ug/l	97
31) Cyclohexane	7.63	56	188114	19.793	ug/l	94
39) Methylcyclohexane	9.07	83	223473	26.315	ug/l	99
40) Benzene	8.02	78	13813156	626.872	ug/l #	12
43) Isopropyl Acetate	8.14	43	28237	2.176	ug/l #	61
52) Toluene	10.15	92	8066086	610.737	ug/l #	59
67) Ethyl Benzene	11.51	91	1011210	42.216	ug/l	99
68) m/p-Xylenes	11.61	106	1504511	167.677	ug/l	96
69) o-Xylene	11.95	106	482460	55.639	ug/l	99
73) Isopropylbenzene	12.25	105	47241	2.145	ug/l	100
78) n-propylbenzene	12.59	91	43334	1.718	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	50337	2.697	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	98714	5.467	ug/l	97
95) Naphthalene	15.13	128	11149	3.712	ug/l #	90

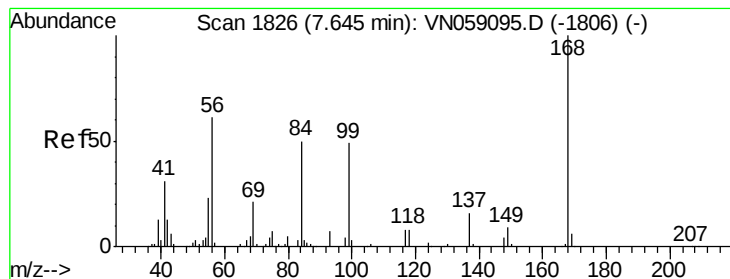
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampled :

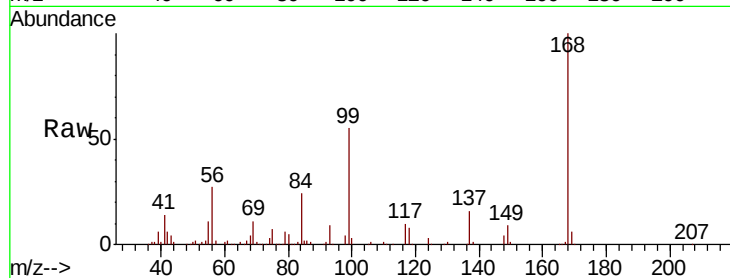
30698

Tot Ion:168 Resp: 496626

Ion Ratio Lower Upper

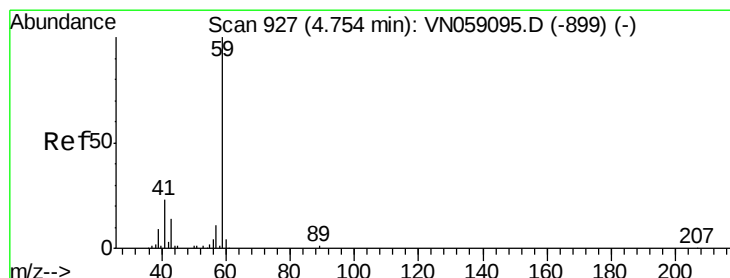
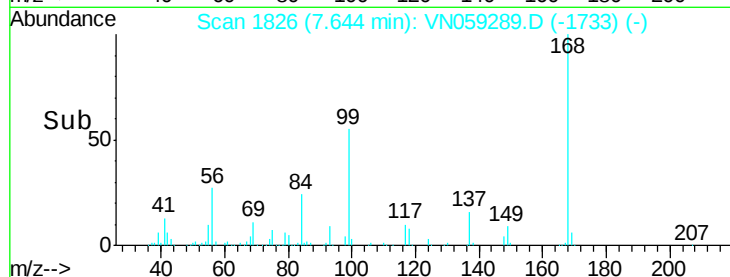
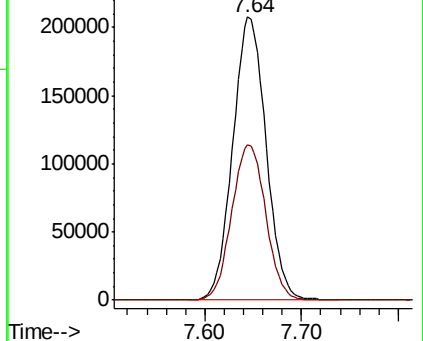
168 100

99 54.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 2315.381 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN059289.D

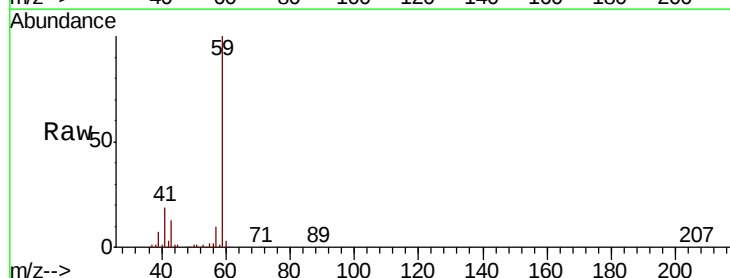
Acq: 18 Nov 2019 17:12

Tgt Ion: 59 Resp: 2693819

Ion Ratio Lower Upper

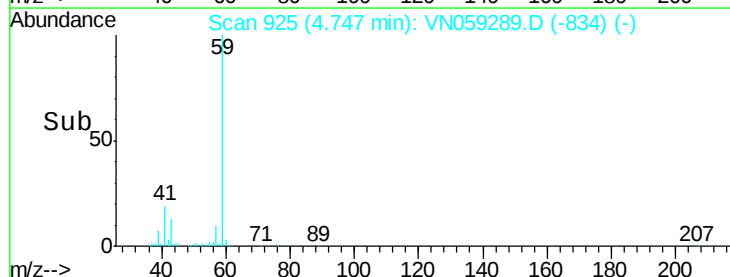
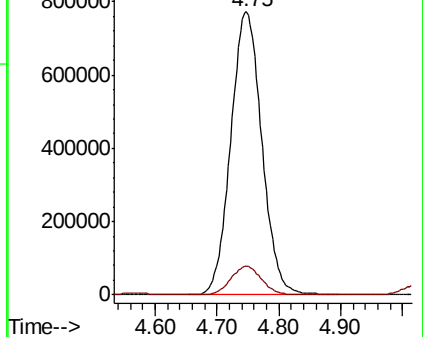
59 100

57 10.1 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 59.425 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

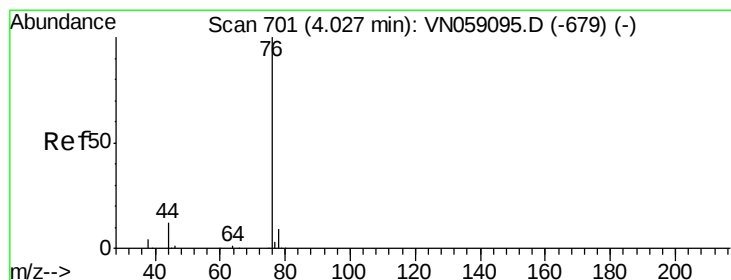
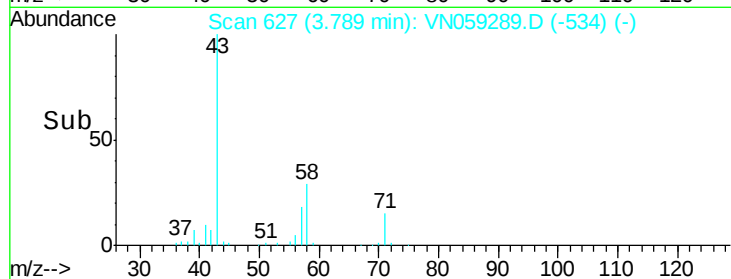
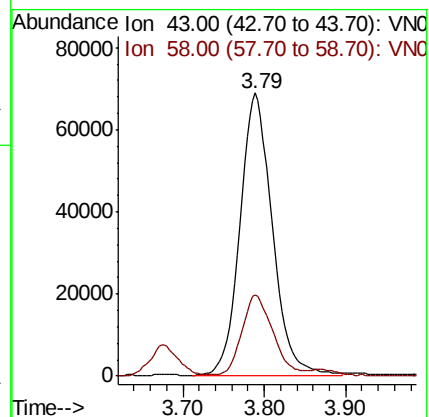
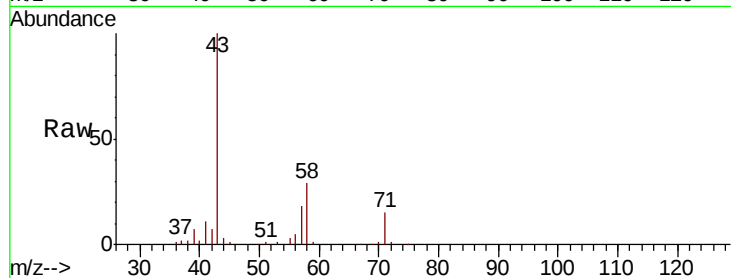
30698

Tot Ion: 43 Resp: 188652

Ion Ratio Lower Upper

43 100

58 27.7 24.9 37.3



#17

Carbon Disulfide

Concen: 1.549 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN059289.D

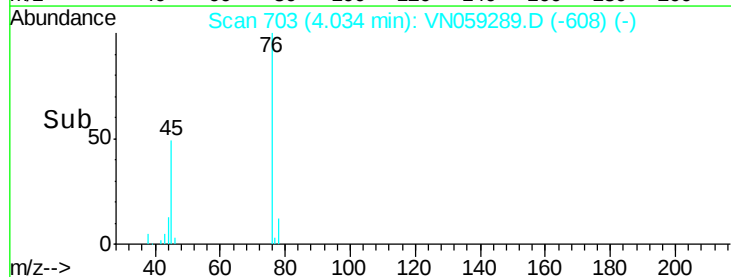
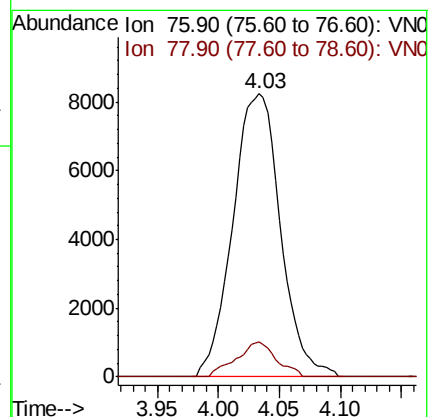
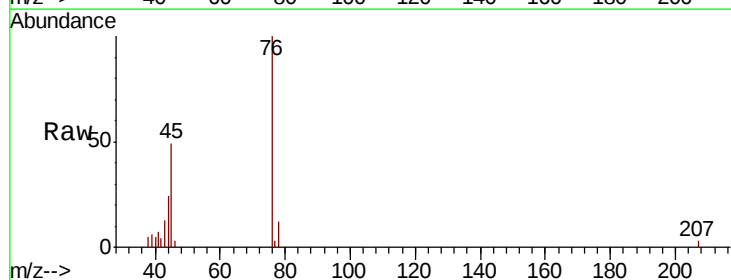
Acq: 18 Nov 2019 17:12

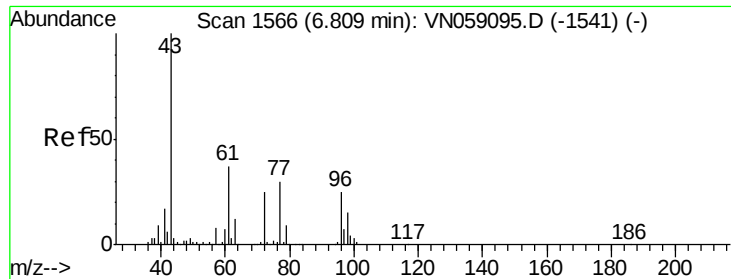
Tgt Ion: 76 Resp: 22280

Ion Ratio Lower Upper

76 100

78 12.2 7.4 11.0#

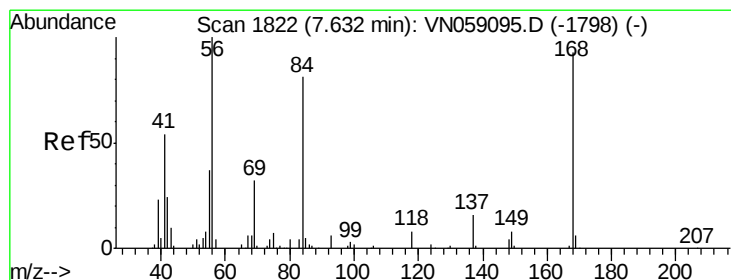
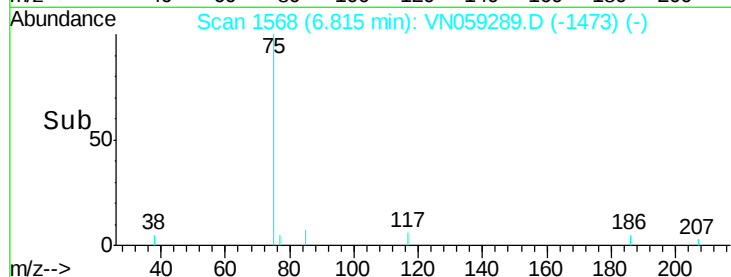
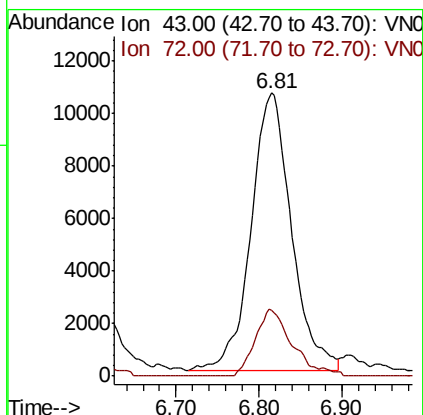
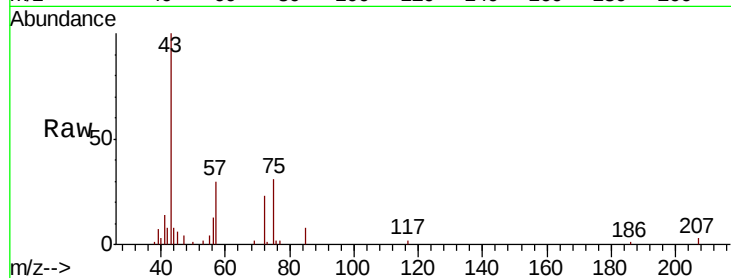




#25
2-Butanone
Concen: 8.512 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN059289.D
Acq: 18 Nov 2019 17:12

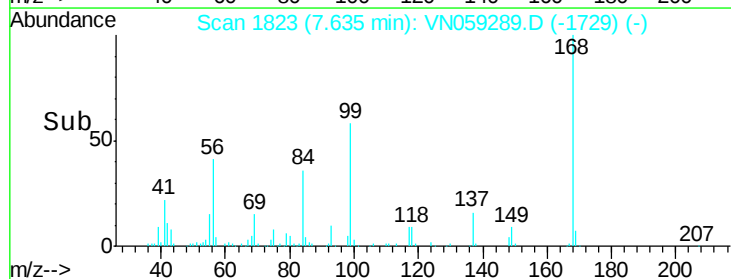
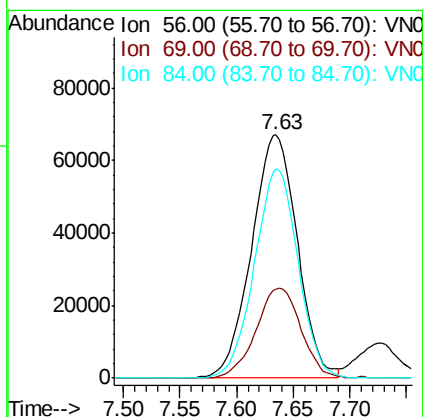
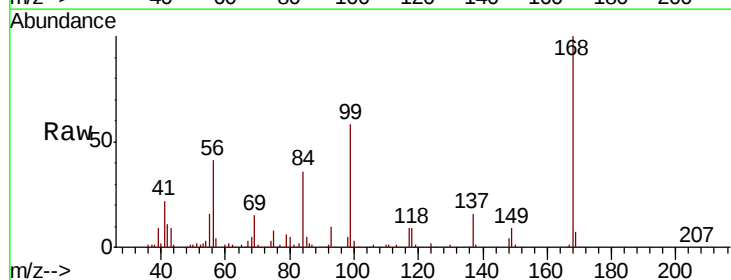
Instrument :
MSVOA_N
ClientSampleId :
30698

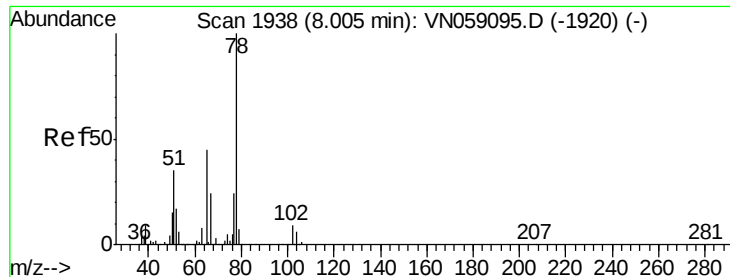
Tot Ion: 43 Resp: 35614
Ion Ratio Lower Upper
43 100
72 23.7 20.3 30.5



#31
Cyclohexane
Concen: 19.793 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059289.D
Acq: 18 Nov 2019 17:12

Tgt Ion: 56 Resp: 188114
Ion Ratio Lower Upper
56 100
69 36.6 25.8 38.8
84 85.9 65.0 97.4





#33

1,2-Dichloroethane-d4

Concen: 46.793 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.01 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampled :

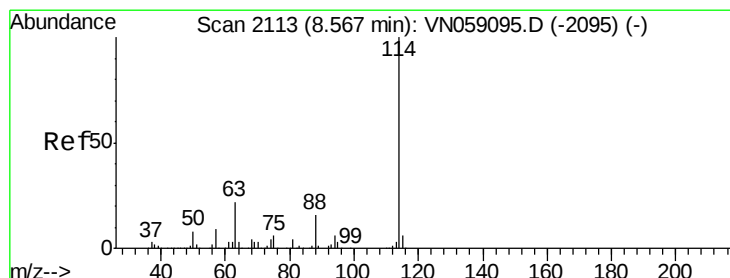
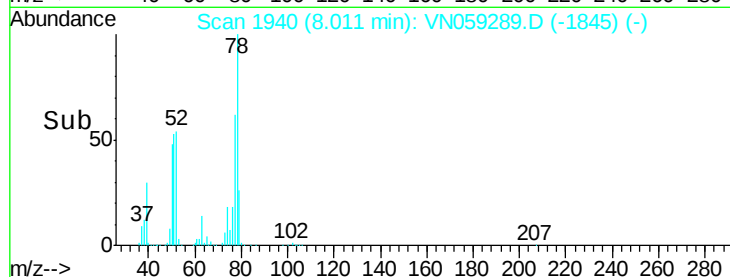
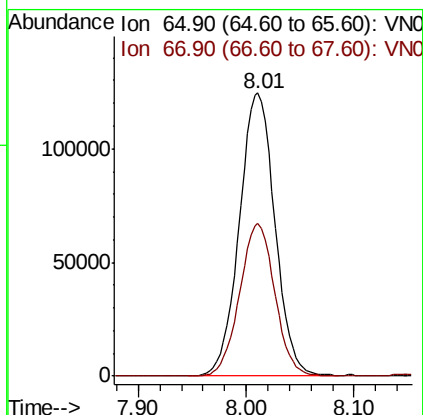
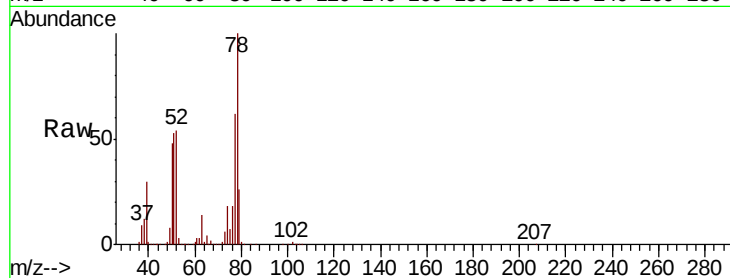
30698

Tot Ion: 65 Resp: 285663

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

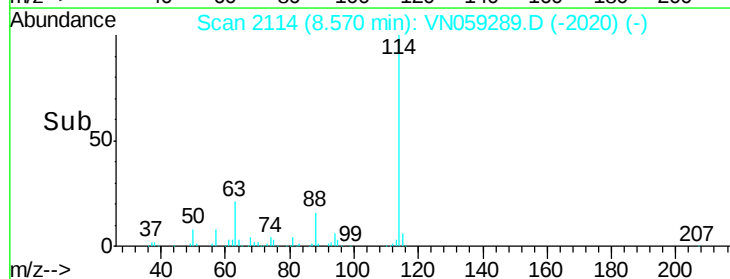
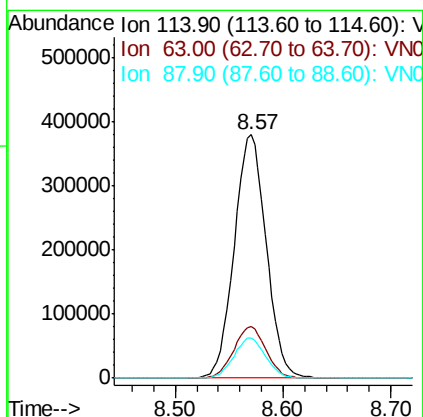
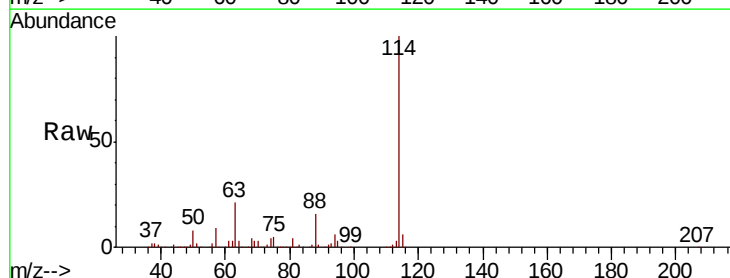
Tgt Ion: 114 Resp: 782845

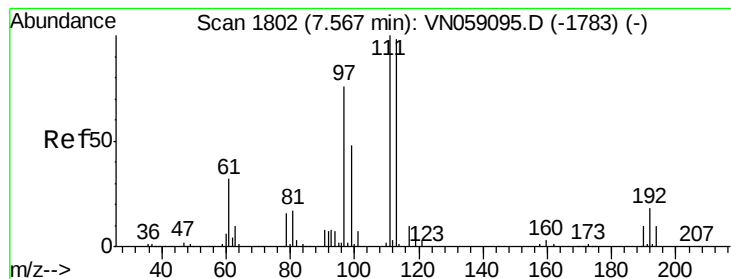
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.4

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.013 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampled :

30698

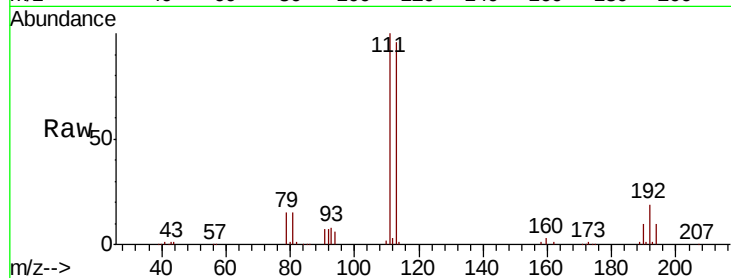
Tot Ion:113 Resp: 229102

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

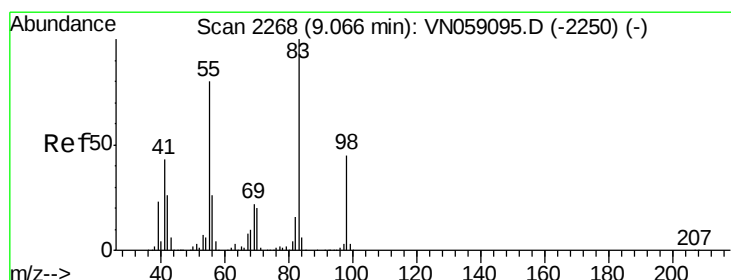
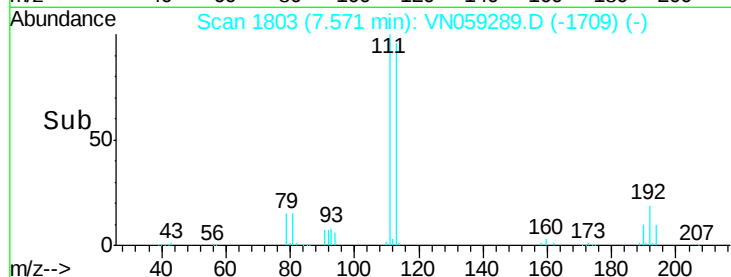
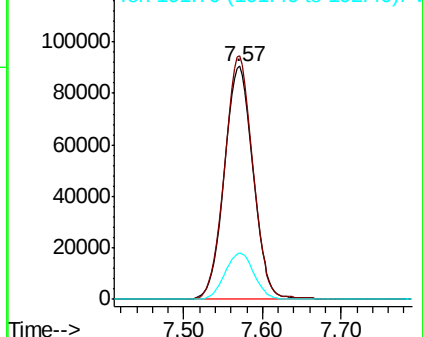
192 20.0 16.1 24.1



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

Methylcyclohexane

Concen: 26.315 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

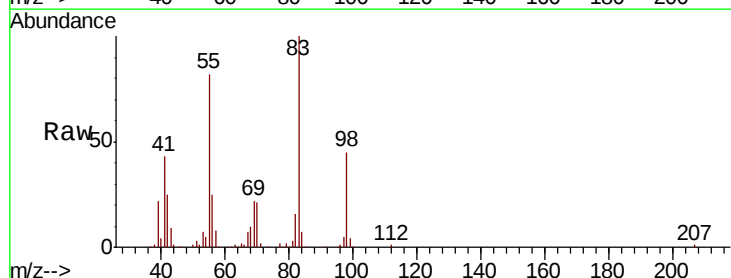
Tgt Ion: 83 Resp: 223473

Ion Ratio Lower Upper

83 100

55 81.3 63.9 95.9

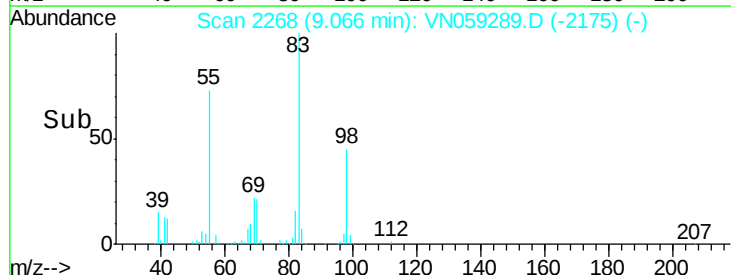
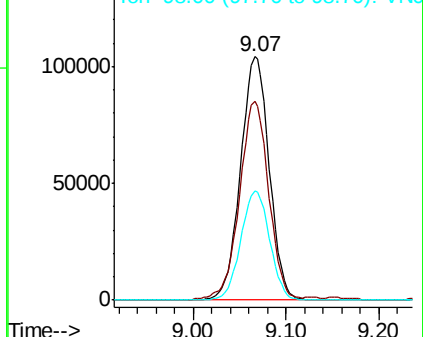
98 44.8 35.6 53.4

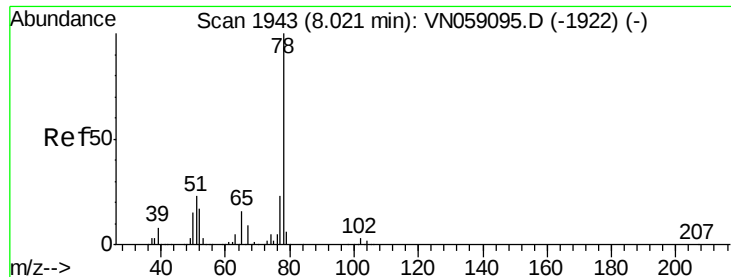


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 626.872 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

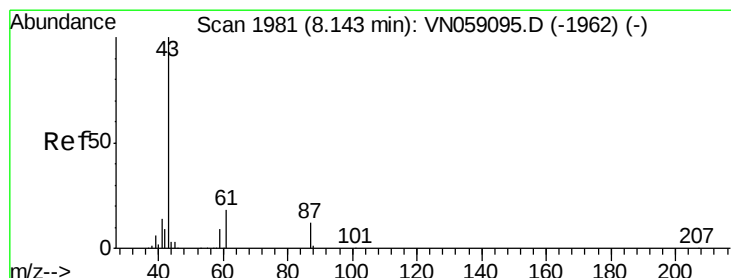
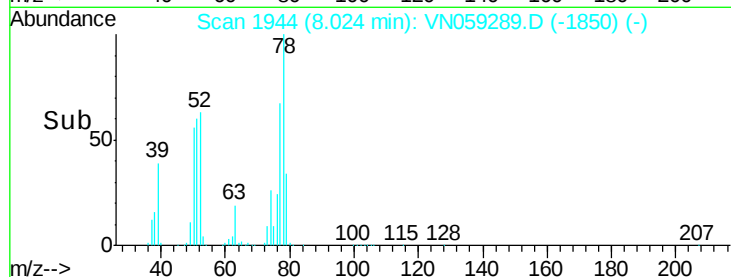
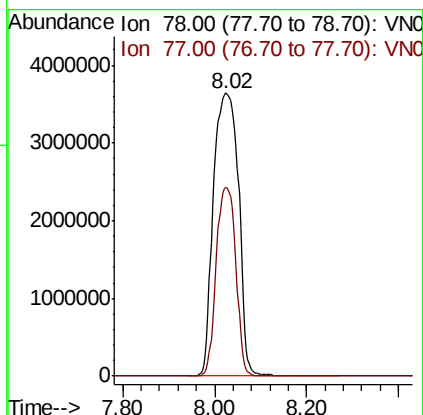
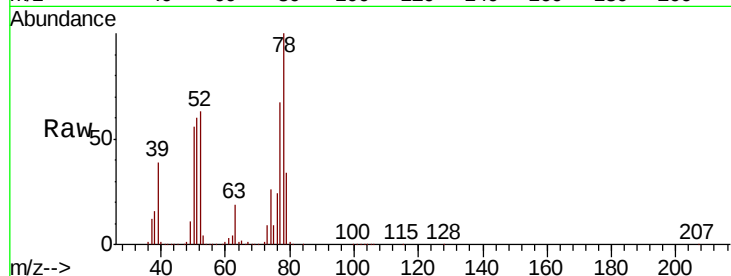
30698

Tot Ion: 78 Resp:13813156

Ion Ratio Lower Upper

78 100

77 66.8 18.8 28.2#



#43

Isopropyl Acetate

Concen: 2.176 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

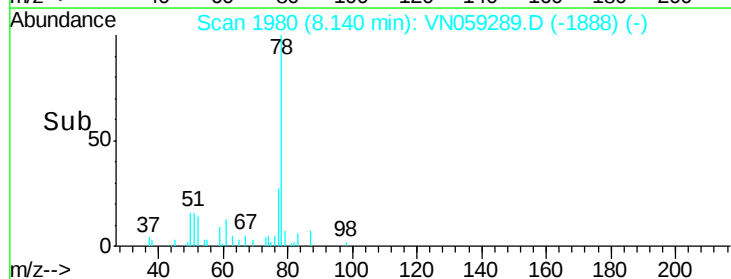
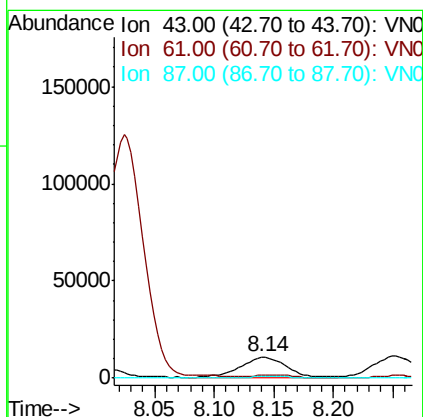
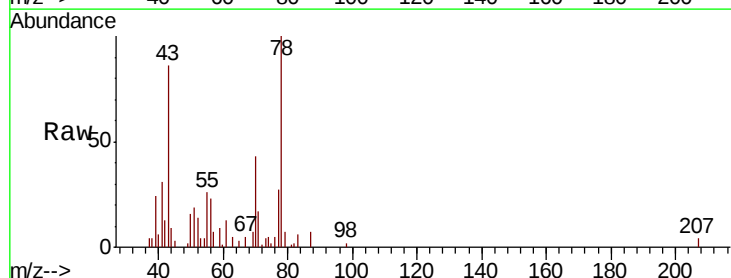
Tgt Ion: 43 Resp: 28237

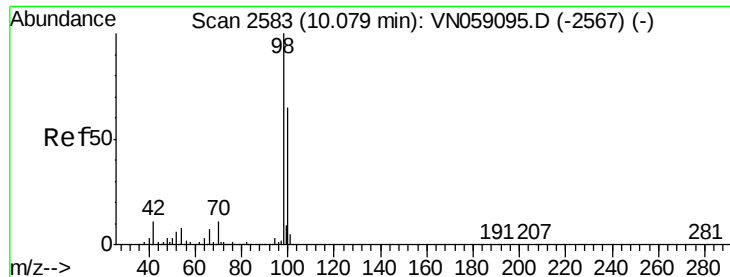
Ion Ratio Lower Upper

43 100

61 0.0 21.0 31.6#

87 7.1 9.8 14.6#





#50

Toluene-d8

Concen: 51.973 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampled :

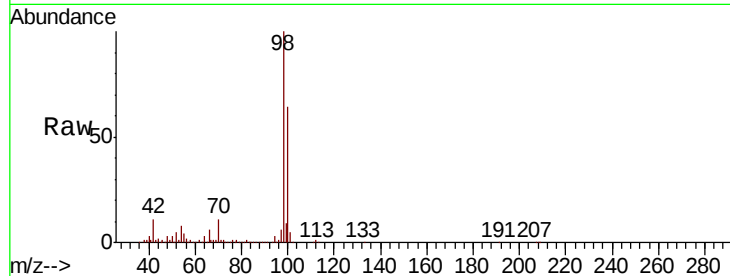
30698

Tot Ion: 98 Resp: 956912

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

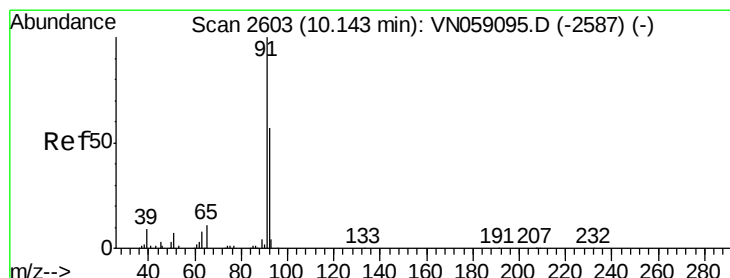
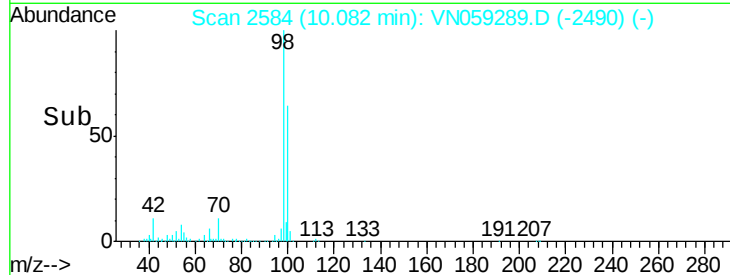
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 610.737 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059289.D

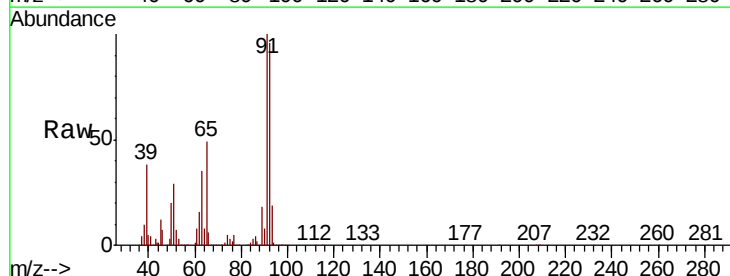
Acq: 18 Nov 2019 17:12

Tgt Ion: 92 Resp: 8066086

Ion Ratio Lower Upper

92 100

91 116.7 139.5 209.3#



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

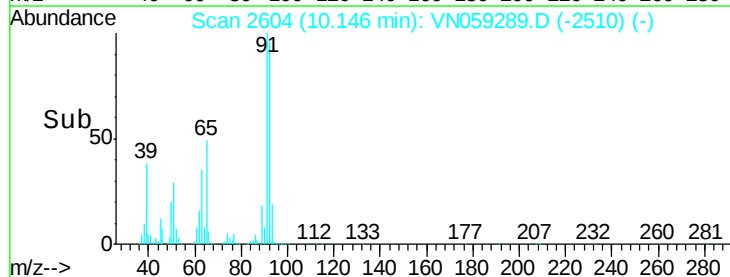
3000000

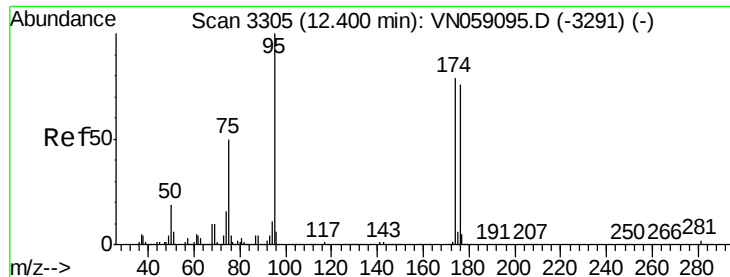
2000000

1000000

0

Time-->

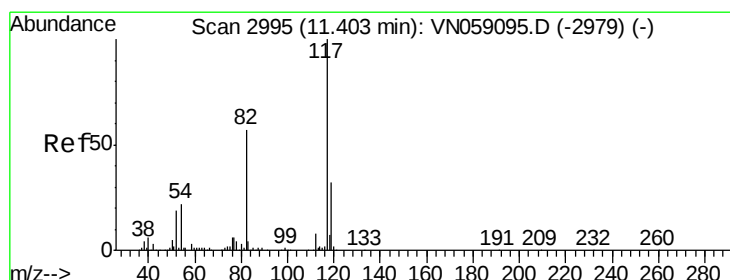
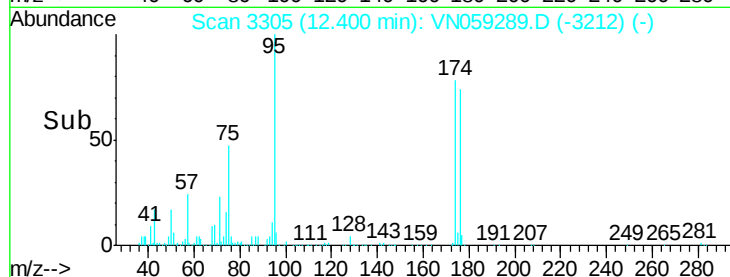
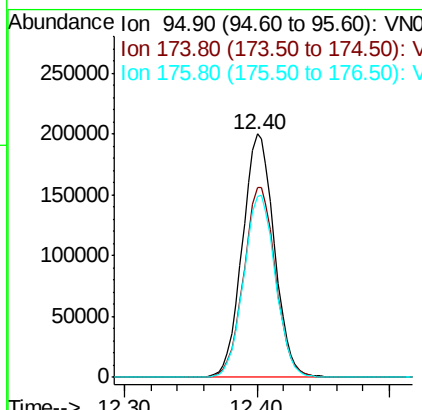
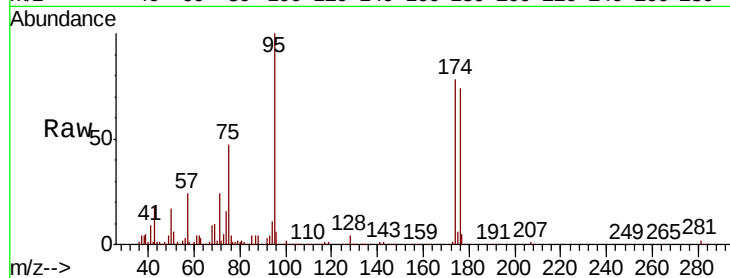




#62
4-Bromofluorobenzene
Concen: 50.114 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059289.D
Acq: 18 Nov 2019 17:12

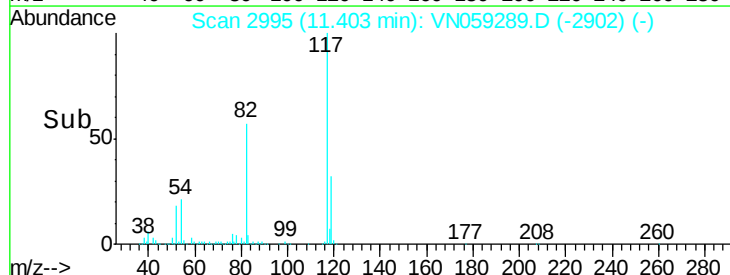
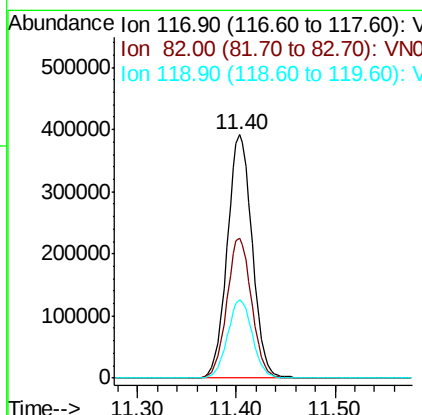
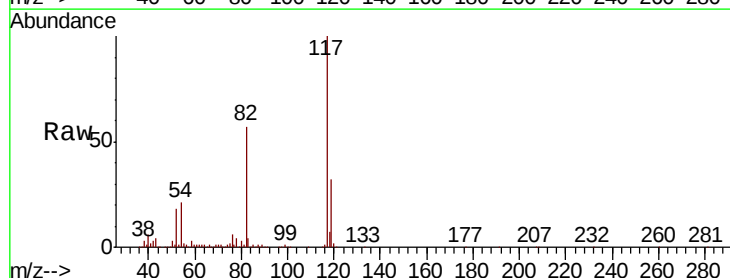
Instrument :
MSVOA_N
ClientSampled :
30698

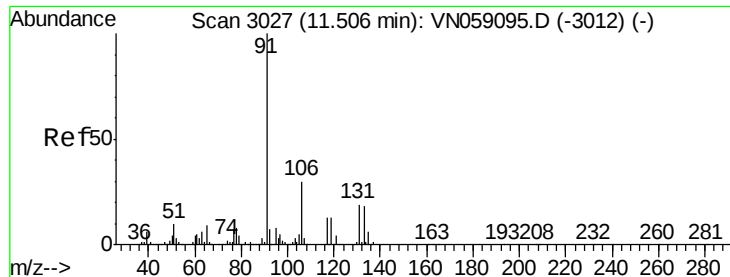
Tot Ion: 95 Resp: 332688
Ion Ratio Lower Upper
95 100
174 78.3 0.0 158.2
176 75.2 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059289.D
Acq: 18 Nov 2019 17:12

Tgt Ion: 117 Resp: 692566
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.8
119 32.2 25.8 38.6

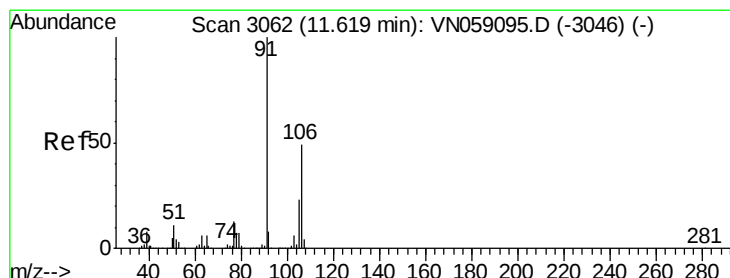
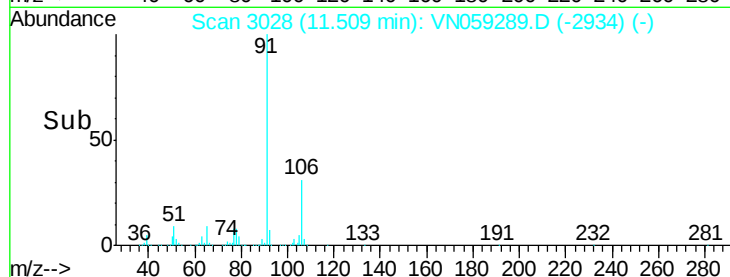
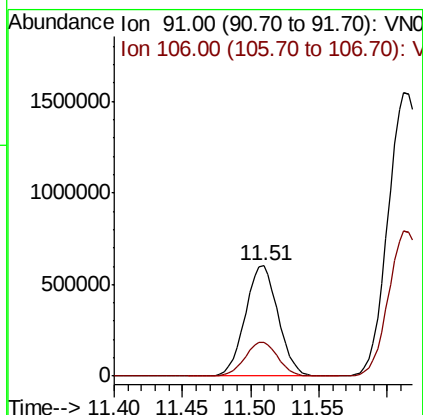
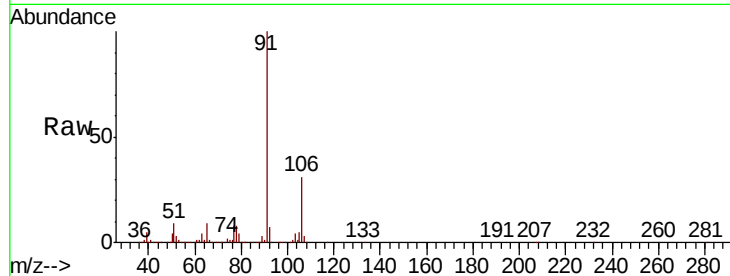




#67
Ethyl Benzene
Concen: 42.216 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059289.D
Acq: 18 Nov 2019 17:12

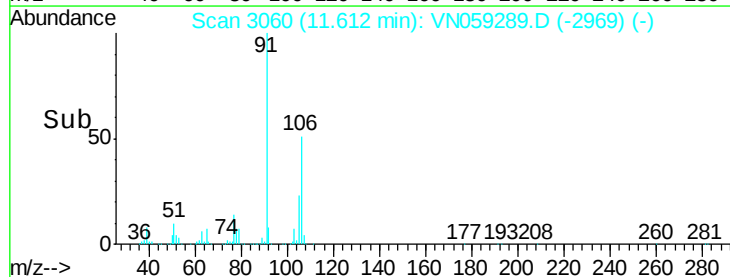
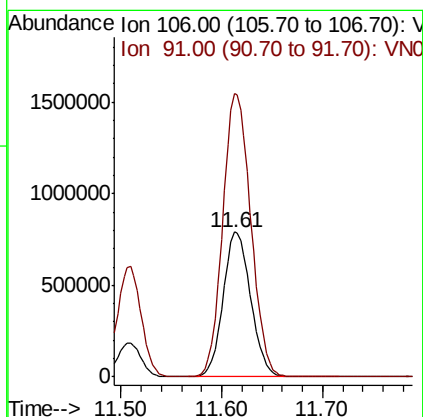
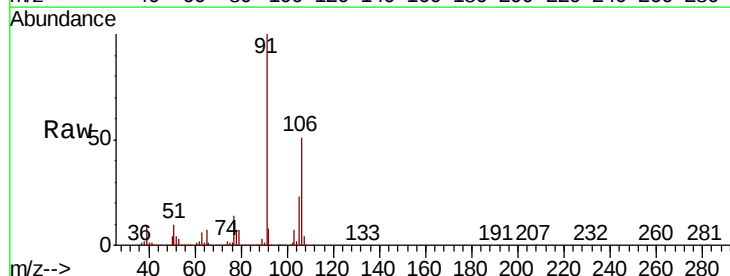
Instrument :
MSVOA_N
ClientSampled :
30698

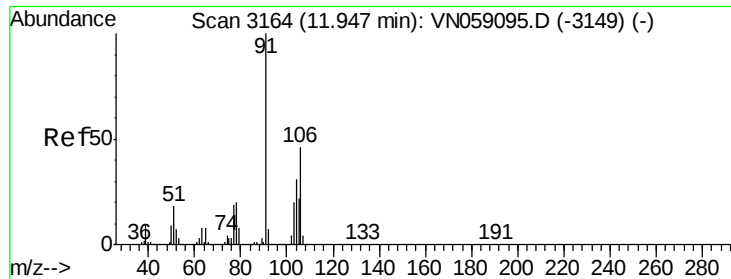
Tot Ion: 91 Resp: 1011210
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1



#68
m/p-Xylenes
Concen: 167.677 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.01 min
Lab File: VN059289.D
Acq: 18 Nov 2019 17:12

Tgt Ion: 106 Resp: 1504511
Ion Ratio Lower Upper
106 100
91 199.7 164.7 247.1

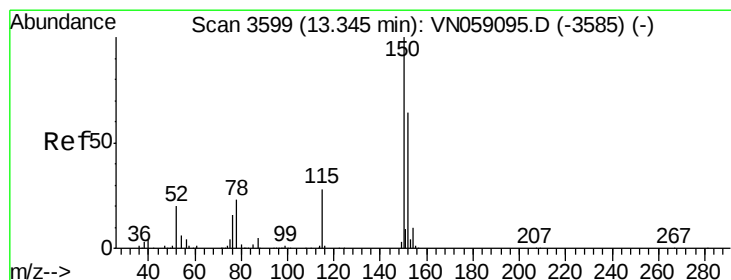
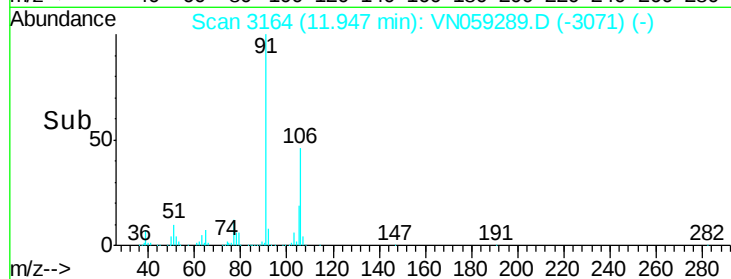
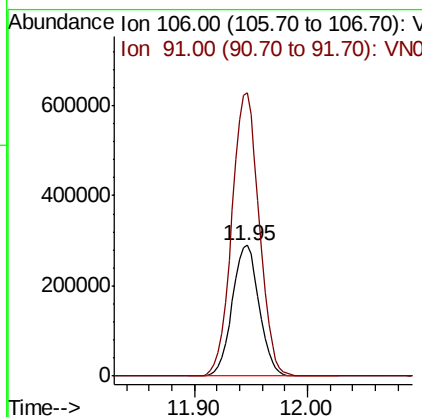
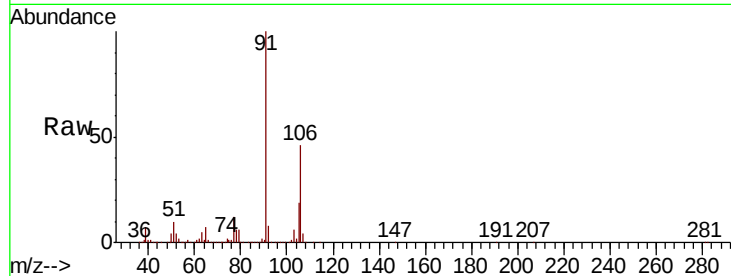




#69
o-Xylene
Concen: 55.639 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059289.D
Acq: 18 Nov 2019 17:12

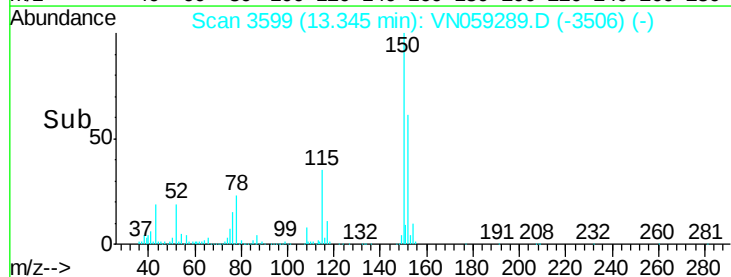
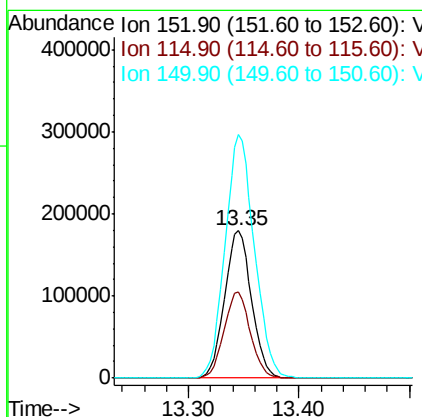
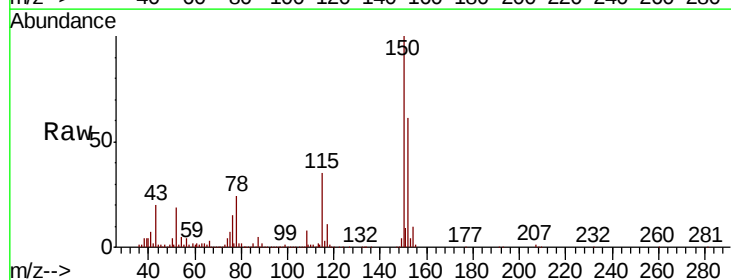
Instrument :
MSVOA_N
ClientSampleId :
30698

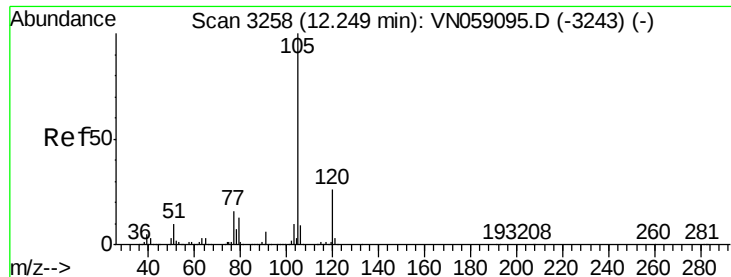
Tot Ion:106 Resp: 482460
Ion Ratio Lower Upper
106 100
91 218.9 110.1 330.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059289.D
Acq: 18 Nov 2019 17:12

Tgt Ion:152 Resp: 302788
Ion Ratio Lower Upper
152 100
115 57.1 29.4 88.2
150 180.2 0.0 345.8





#73

Isopropylbenzene

Concen: 2.145 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

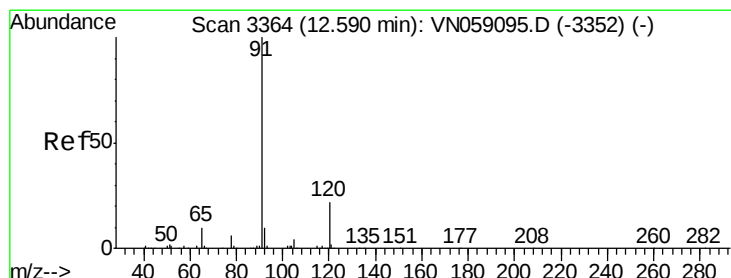
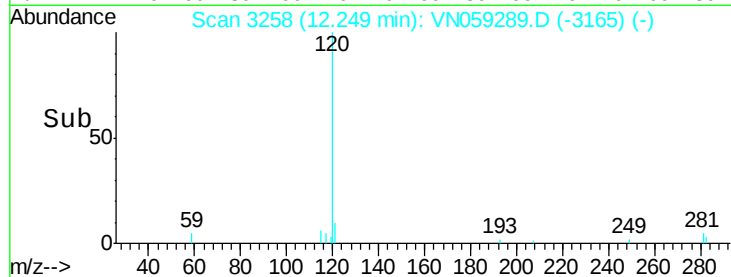
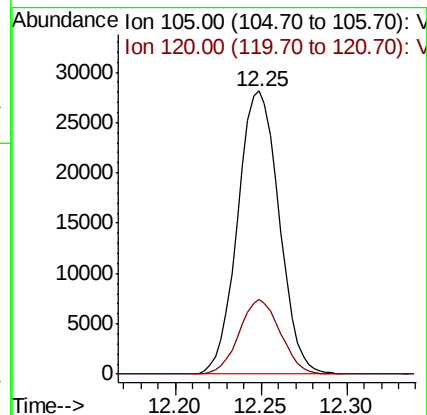
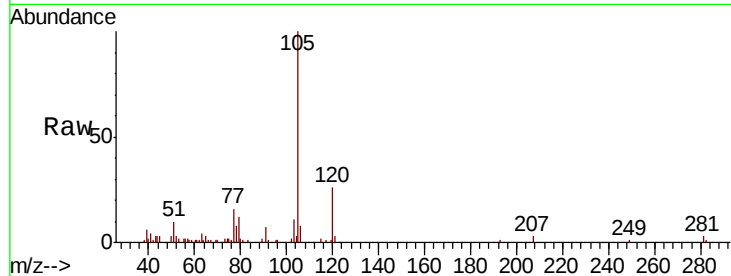
30698

Tot Ion:105 Resp: 47241

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



#78

n-propylbenzene

Concen: 1.718 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059289.D

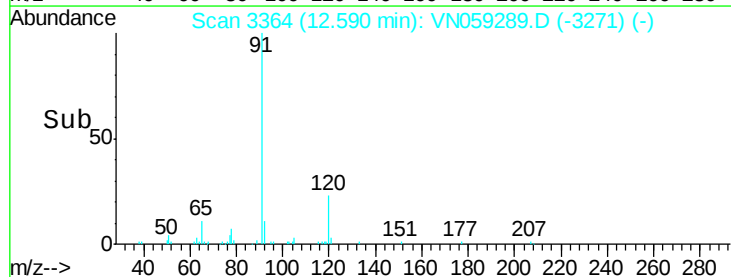
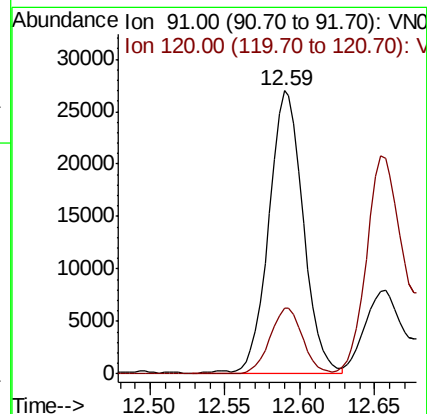
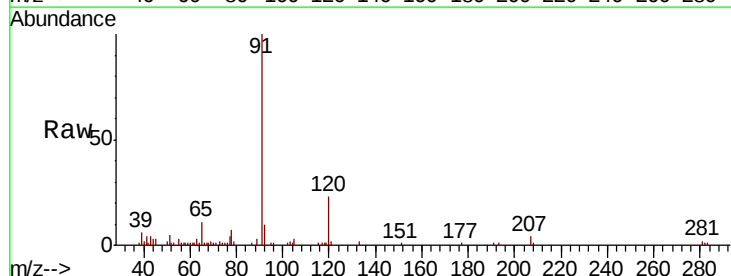
Acq: 18 Nov 2019 17:12

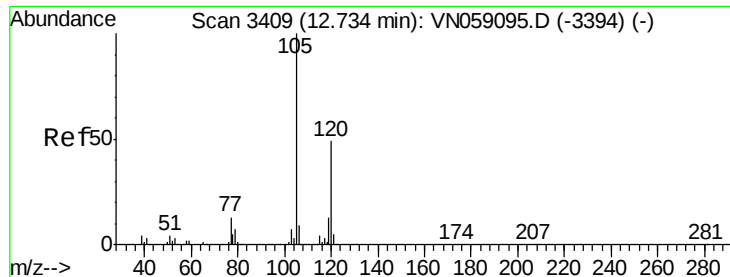
Tgt Ion: 91 Resp: 43334

Ion Ratio Lower Upper

91 100

120 22.0 11.2 33.5

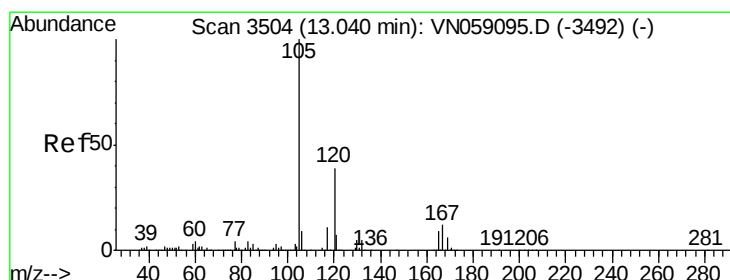
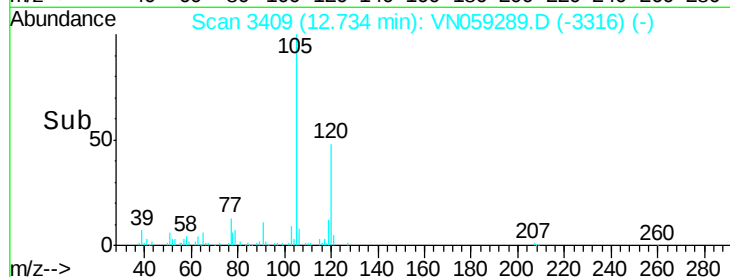
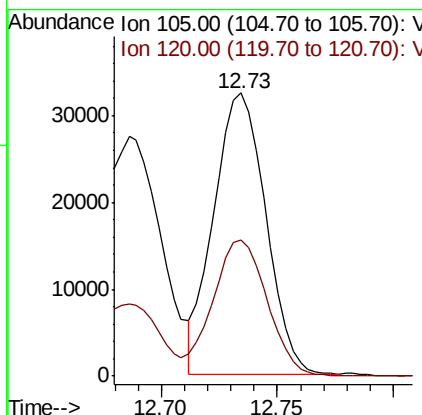
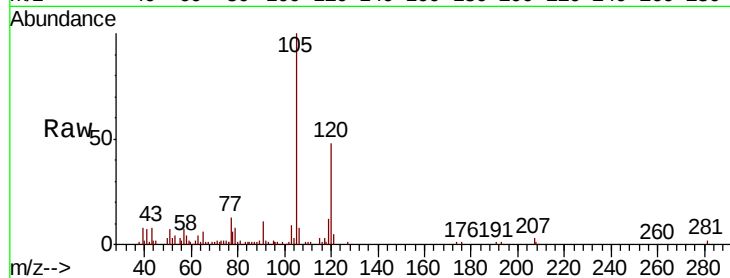




#80
 1,3,5-Trimethylbenzene
 Concen: 2.697 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059289.D
 Acq: 18 Nov 2019 17:12

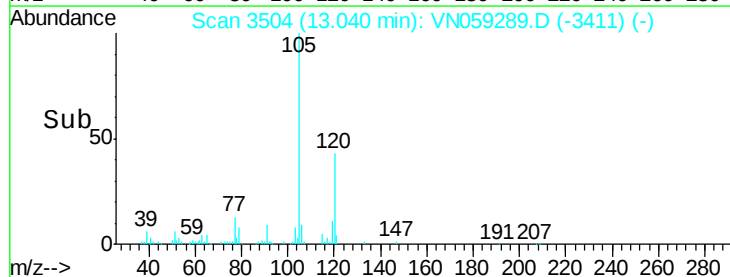
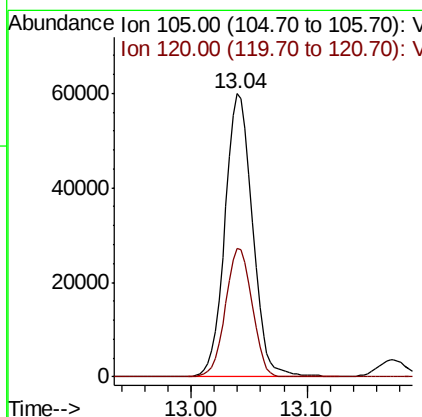
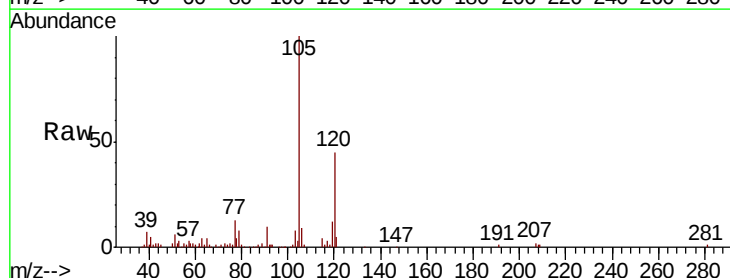
Instrument :
 MSVOA_N
 ClientSampled :
 30698

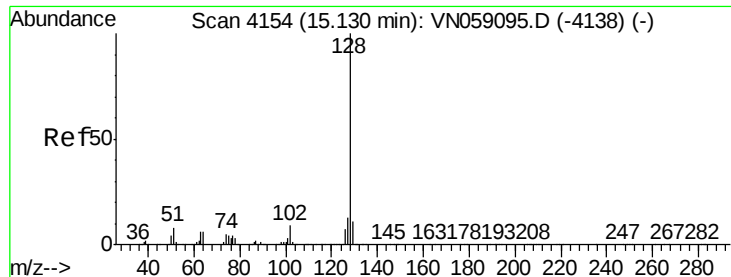
Tot Ion:105 Resp: 50337
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.0 72.0



#84
 1,2,4-Trimethylbenzene
 Concen: 5.467 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059289.D
 Acq: 18 Nov 2019 17:12

Tgt Ion:105 Resp: 98714
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.8 68.4





#95

Naphthalene

Concen: 3.712 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059289.D

Acq: 18 Nov 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

30698

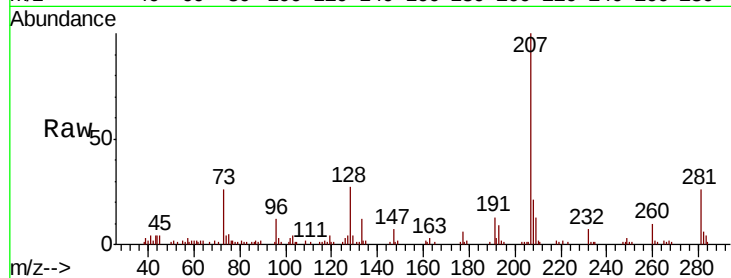
Tot Ion:128 Resp: 11149

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.2

129 17.4 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

