

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059288.D
 Acq On : 18 Nov 2019 16:50
 Operator : JC/SP
 Sample : K5900-06 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30697

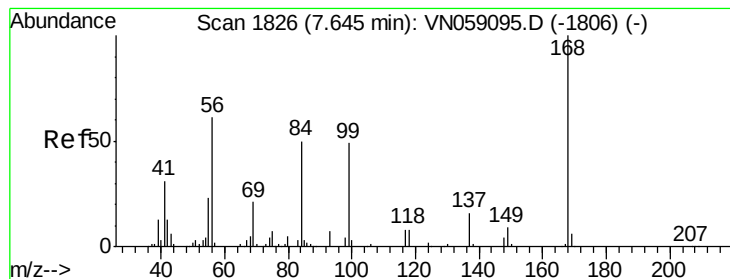
Quant Time: Nov 19 08:34:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	474883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	743119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	659241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	314799	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	274205	46.97	ug/l	0.00
Spiked Amount						
			Recovery	=	93.94%	
35) Dibromofluoromethane	7.57	113	224696	50.64	ug/l	0.00
Spiked Amount						
			Recovery	=	101.28%	
50) Toluene-d8	10.08	98	914786	52.34	ug/l	0.00
Spiked Amount						
			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.40	95	337779	53.60	ug/l	0.00
Spiked Amount						
			Recovery	=	107.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	343424	308.694	ug/l	98
16) Acetone	3.79	43	490576	161.606	ug/l	98
18) Methyl Acetate	4.30	43	71668	9.946	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	71011	4.656	ug/l	91
25) 2-Butanone	6.81	43	249508	62.365	ug/l	99
29) Tetrahydrofuran	7.20	42	18016	7.087	ug/l	98
39) Methylcyclohexane	9.07	83	8668	1.075	ug/l	95
40) Benzene	8.02	78	1523227	72.823	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	154586	22.177	ug/l	98
52) Toluene	10.15	92	833230	66.462	ug/l	98
67) Ethyl Benzene	11.51	91	305661	13.406	ug/l	99
68) m/p-Xylenes	11.62	106	626384	73.339	ug/l	100
69) o-Xylene	11.95	106	307020	37.197	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	32499	1.675	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	133988	7.137	ug/l	84
95) Naphthalene	15.13	128	95363	8.535	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059288.D

Acq: 18 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampled :

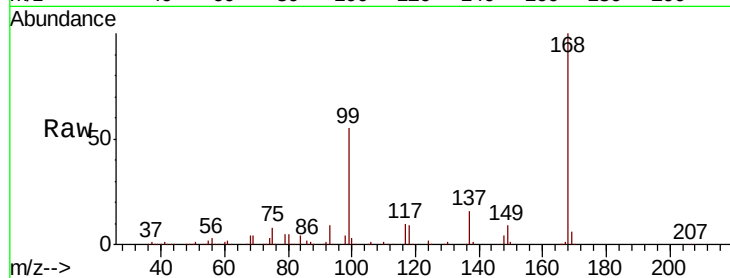
30697

Tot Ion:168 Resp: 474883

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

7.65

200000

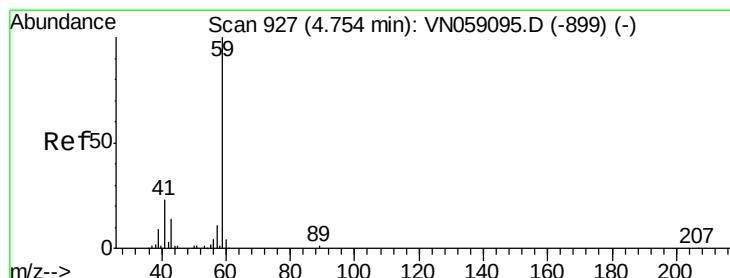
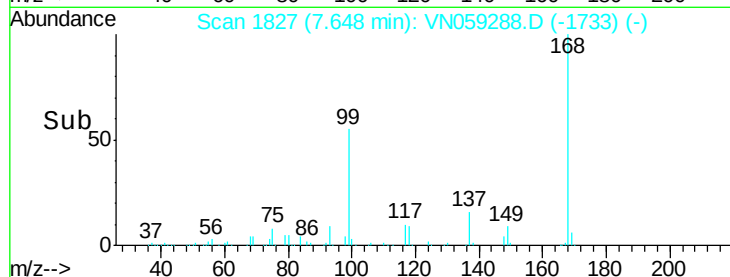
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 308.694 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN059288.D

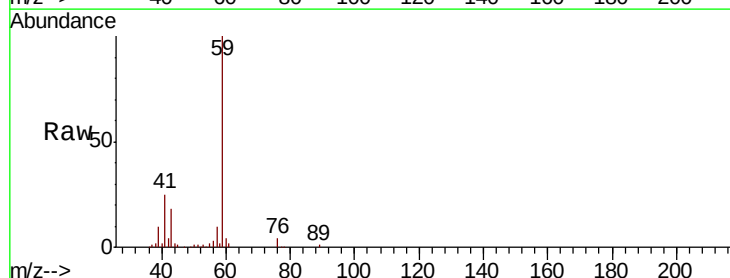
Acq: 18 Nov 2019 16:50

Tgt Ion: 59 Resp: 343424

Ion Ratio Lower Upper

59 100

57 9.5 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

100000

80000

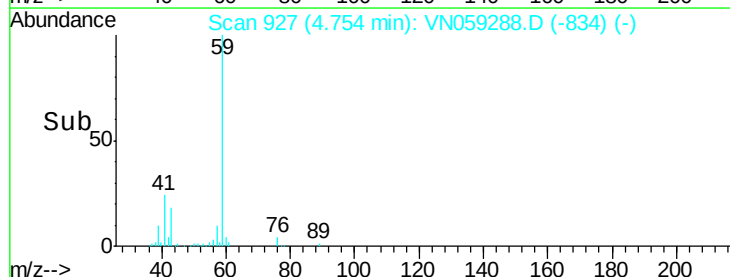
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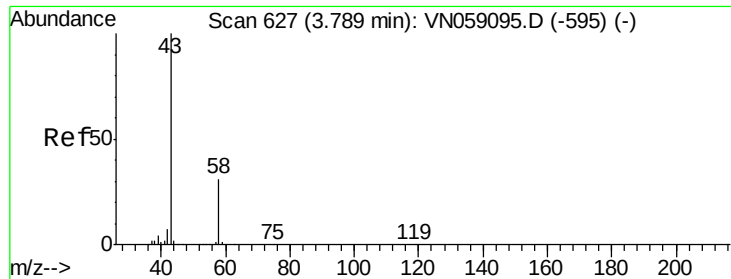
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20000

0

Time-->

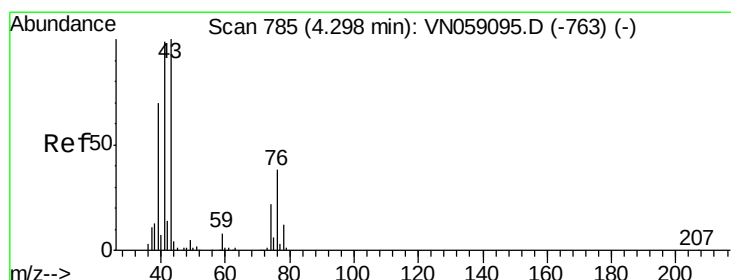
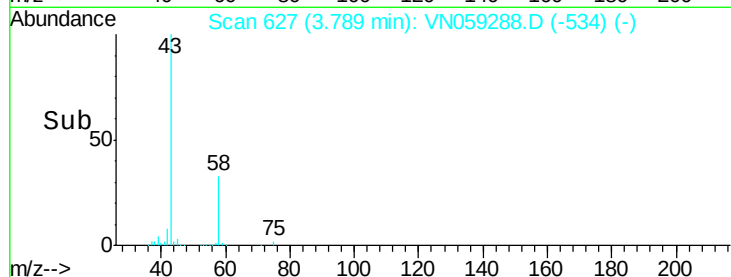
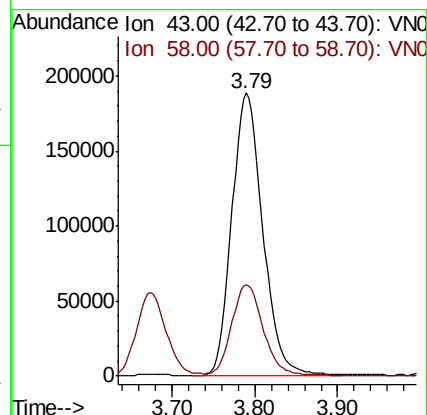
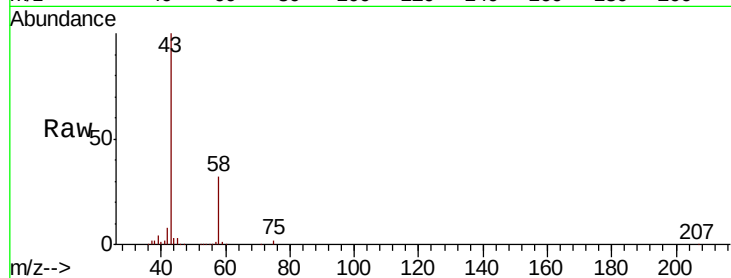




#16
Acetone
Concen: 161.606 ug/l
RT: 3.79 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

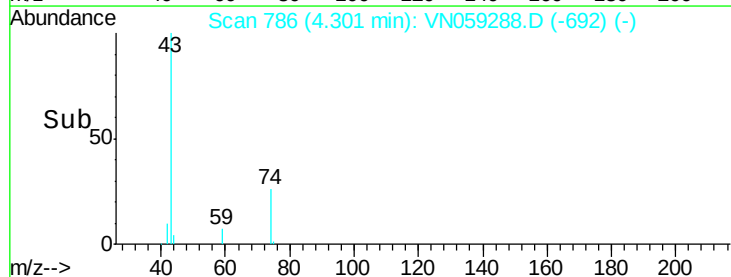
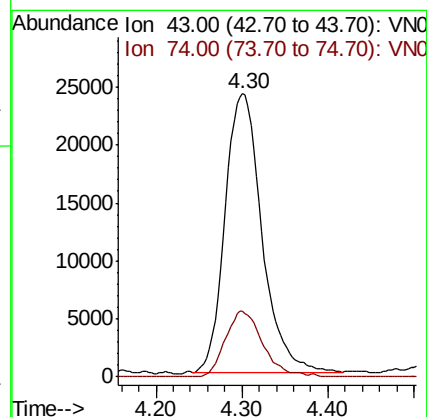
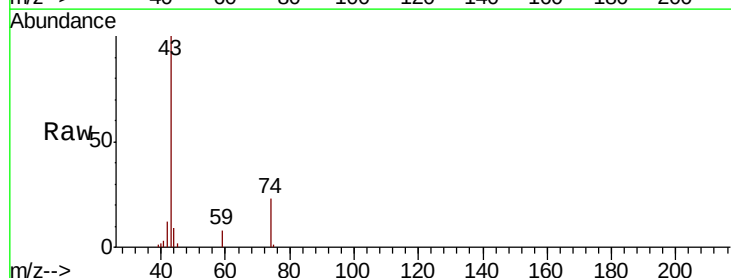
Instrument :
MSVOA_N
ClientSampled :
30697

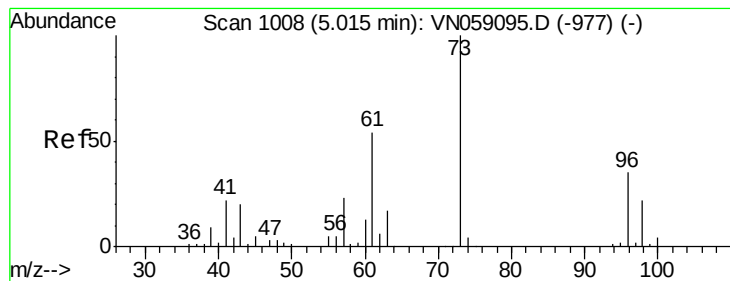
Tot Ion: 43 Resp: 490576
Ion Ratio Lower Upper
43 100
58 32.2 24.9 37.3



#18
Methyl Acetate
Concen: 9.946 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

Tgt Ion: 43 Resp: 71668
Ion Ratio Lower Upper
43 100
74 23.8 17.8 26.8



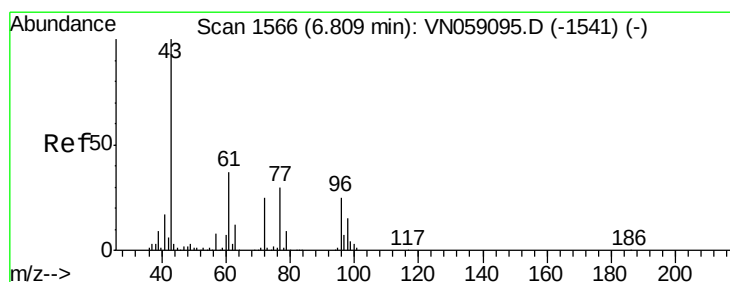
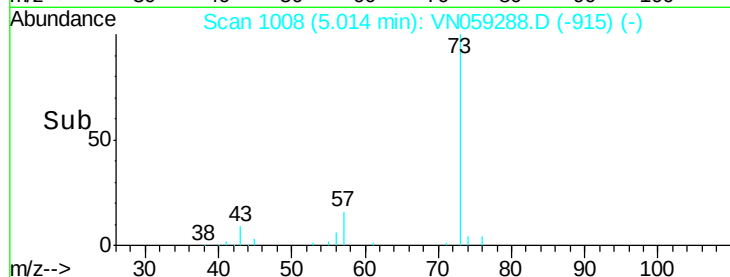
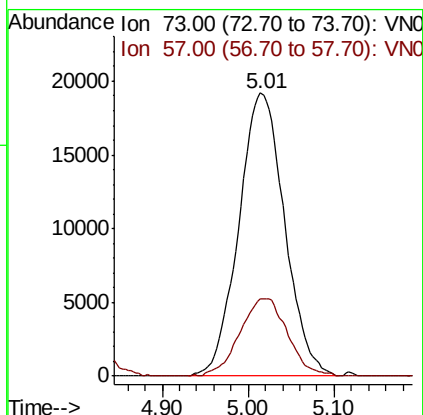
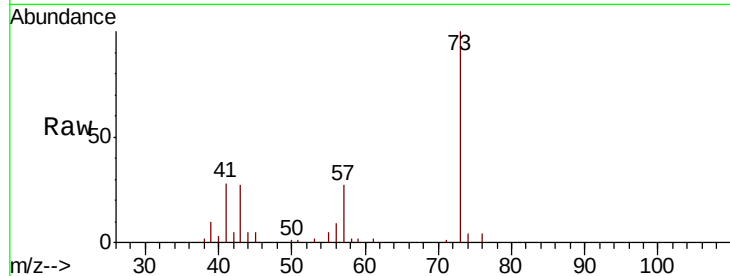


#19

Methyl tert-butyl Ether
 Concen: 4.656 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: VN059288.D
 Acq: 18 Nov 2019 16:50

Instrument :
 MSVOA_N
 ClientSampled :
 30697

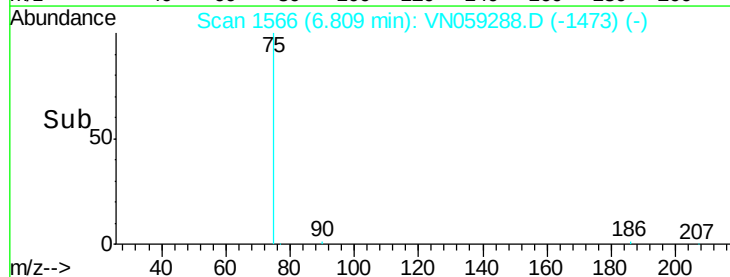
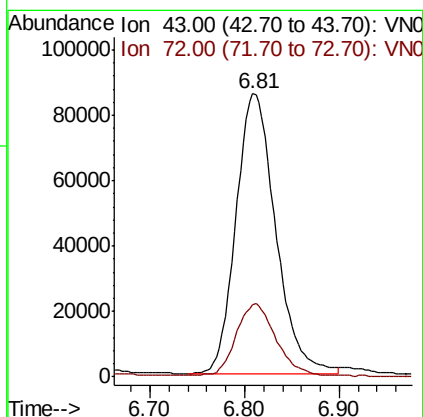
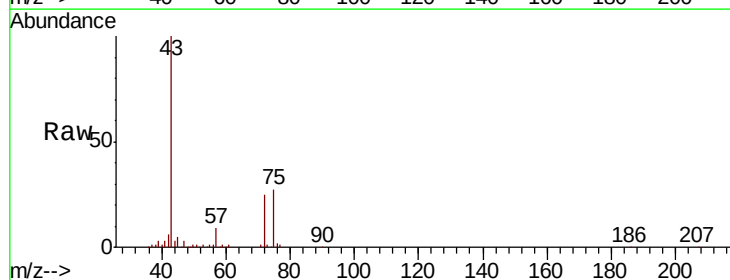
Tot Ion: 73 Resp: 71011
 Ion Ratio Lower Upper
 73 100
 57 27.3 18.4 27.6

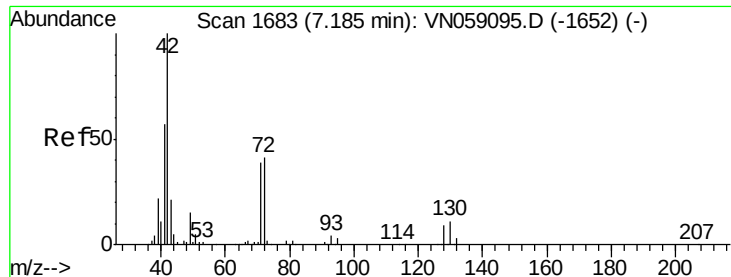


#25

2-Butanone
 Concen: 62.365 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN059288.D
 Acq: 18 Nov 2019 16:50

Tgt Ion: 43 Resp: 249508
 Ion Ratio Lower Upper
 43 100
 72 25.1 20.3 30.5

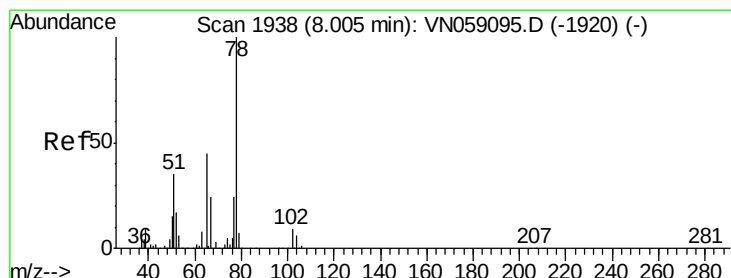
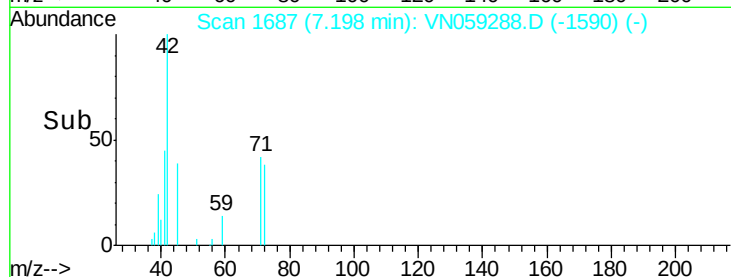
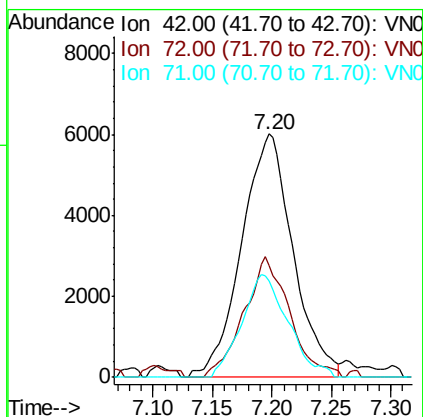
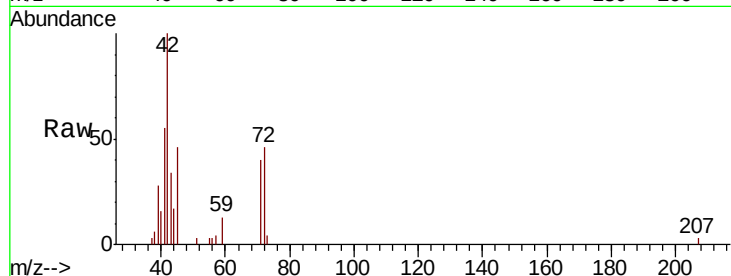




#29
Tetrahydrofuran
Concen: 7.087 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

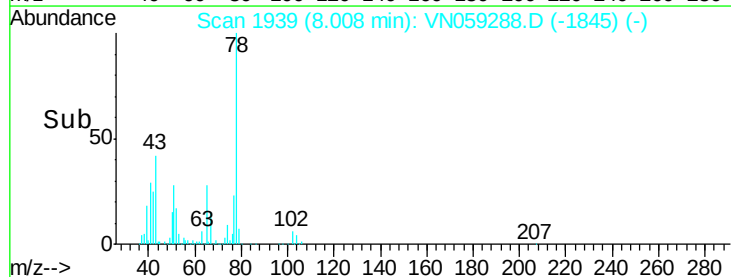
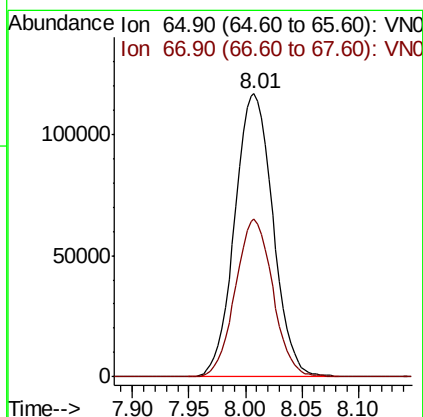
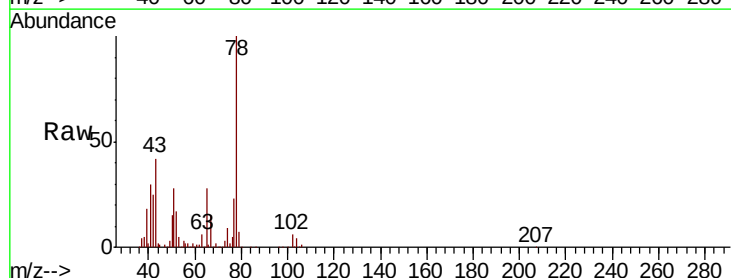
Instrument :
MSVOA_N
ClientSampled :
30697

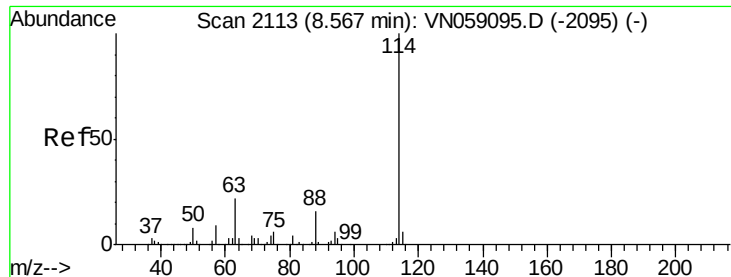
Tot Ion: 42 Resp: 18016
Ion Ratio Lower Upper
42 100
72 43.8 33.1 49.7
71 38.0 30.9 46.3



#33
1,2-Dichloroethane-d4
Concen: 46.973 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

Tgt Ion: 65 Resp: 274205
Ion Ratio Lower Upper
65 100
67 54.8 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: VN059288.D

Acq: 18 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampleId :

30697

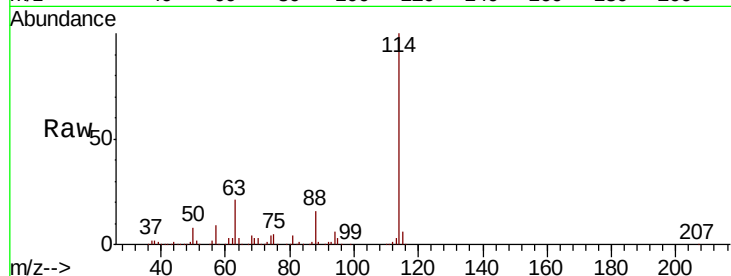
Tot Ion:114 Resp: 743119

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.4

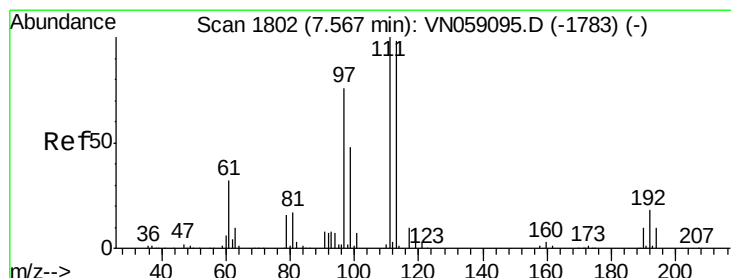
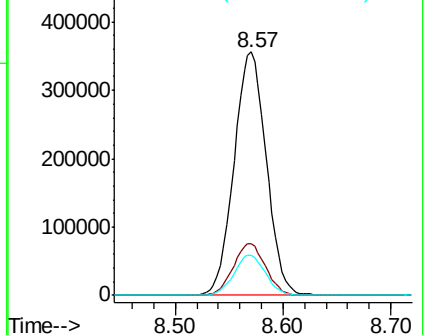
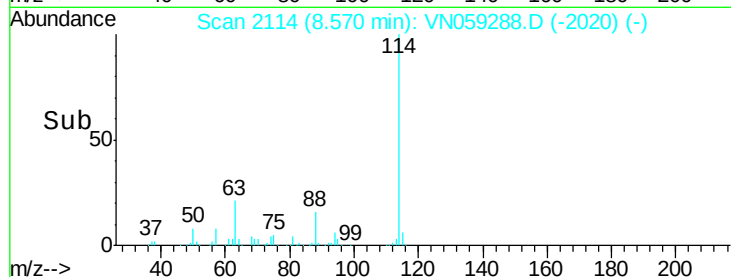
88 16.4 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.640 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059288.D

Acq: 18 Nov 2019 16:50

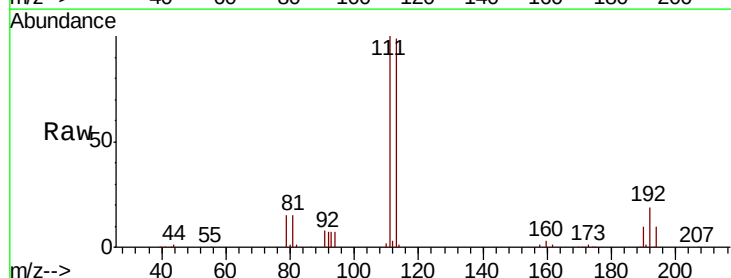
Tgt Ion:113 Resp: 224696

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

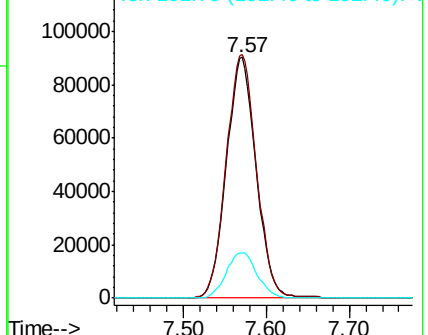
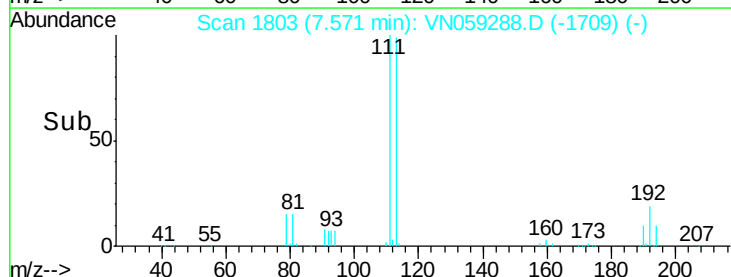
192 19.4 16.1 24.1

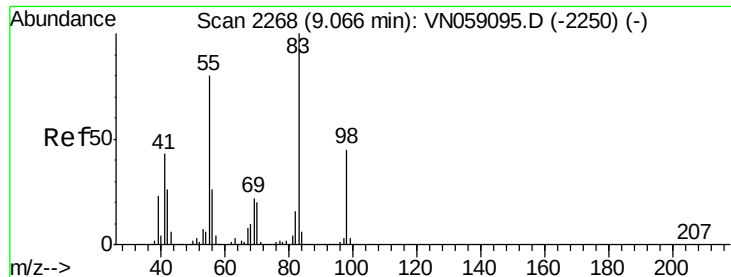


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

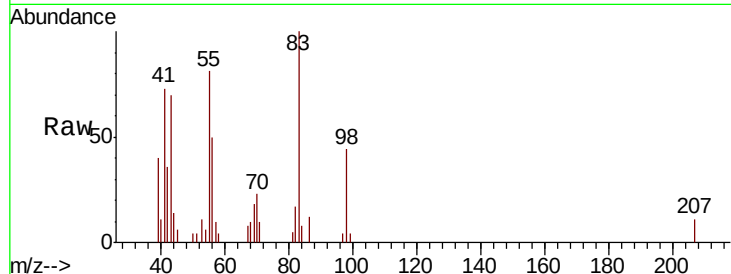




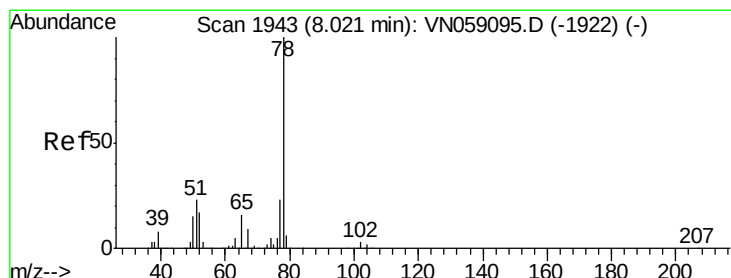
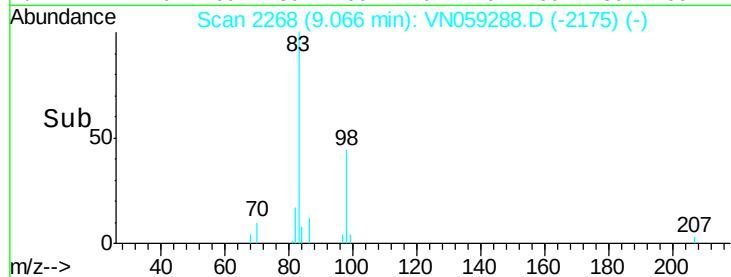
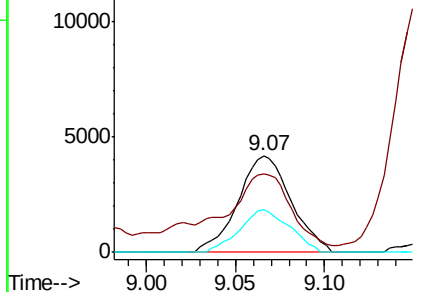
#39
Methylvlcyclohexane
Concen: 1.075 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

Instrument :
MSVOA_N
ClientSampled :
30697

Tot Ion: 83 Resp: 8668
Ion Ratio Lower Upper
83 100
55 73.6 63.9 95.9
98 44.1 35.6 53.4

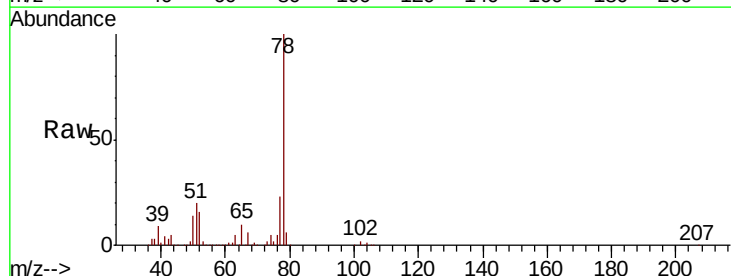


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

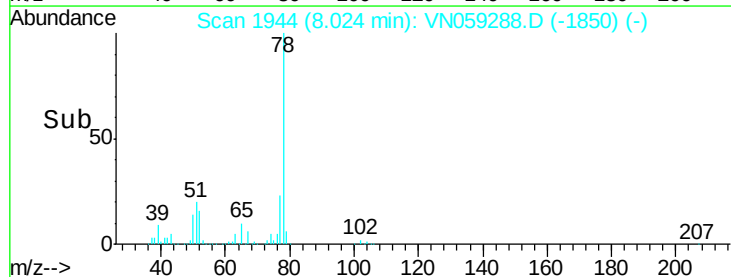
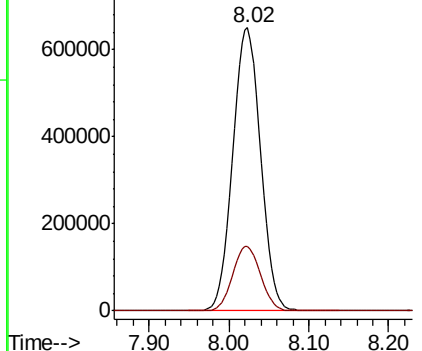


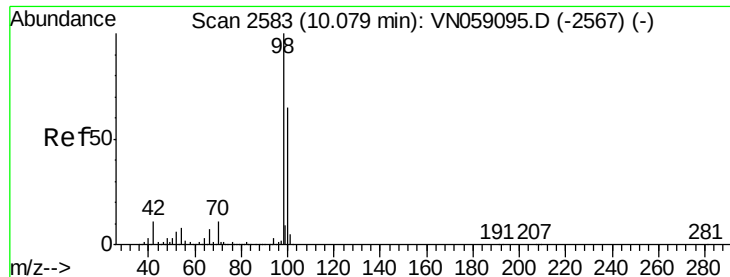
#40
Benzene
Concen: 72.823 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

Tgt Ion: 78 Resp: 1523227
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

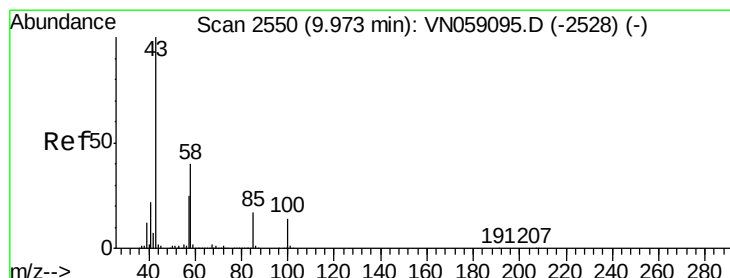
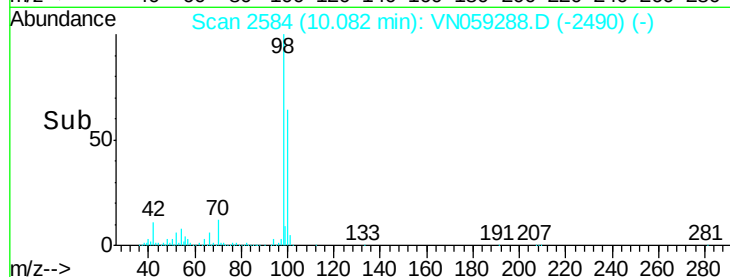
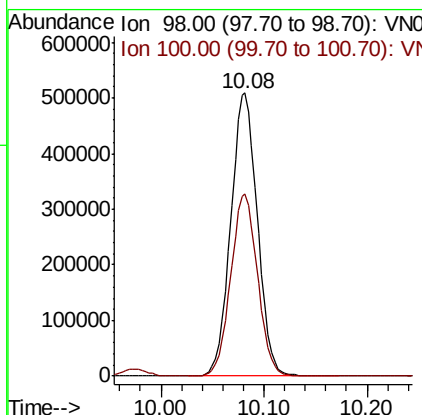
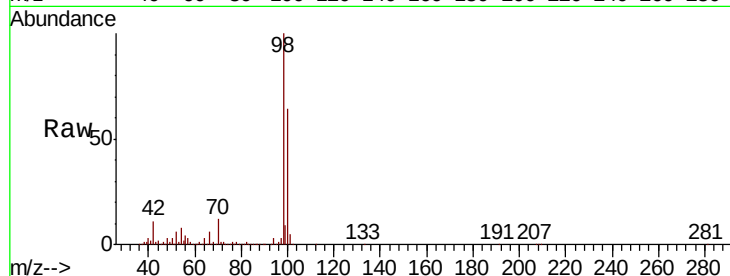




#50
Toluene-d8
Concen: 52.341 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

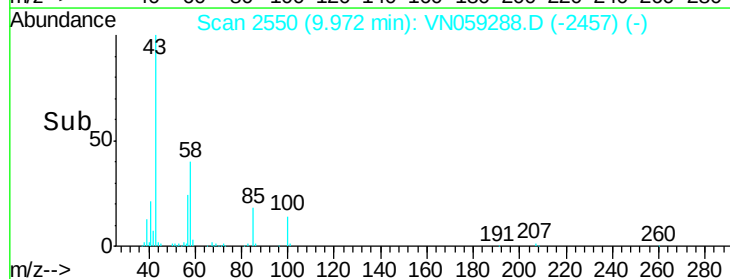
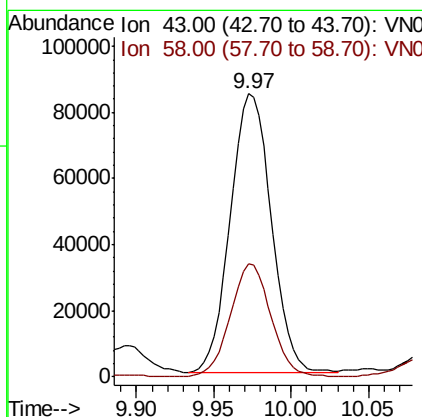
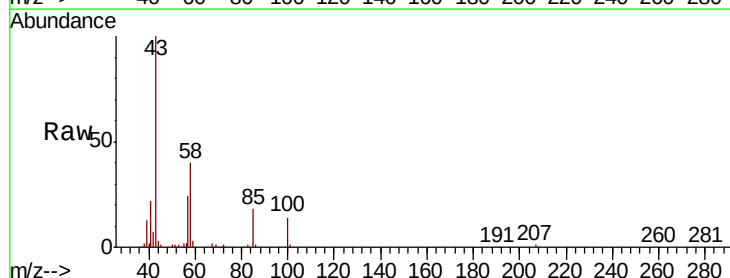
Instrument :
MSVOA_N
ClientSampleId :
30697

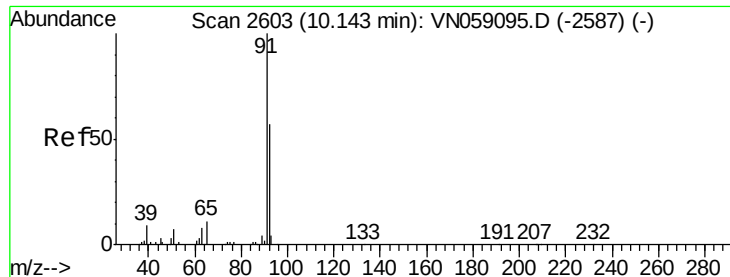
Tot Ion: 98 Resp: 914786
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 22.177 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

Tgt Ion: 43 Resp: 154586
Ion Ratio Lower Upper
43 100
58 40.4 31.5 47.3





#52

Toluene

Concen: 66.462 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059288.D

Acq: 18 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampled :

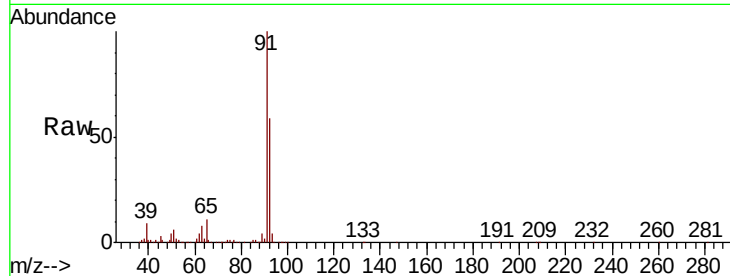
30697

Tot Ion: 92 Resp: 833230

Ion Ratio Lower Upper

92 100

91 171.6 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

800000

600000

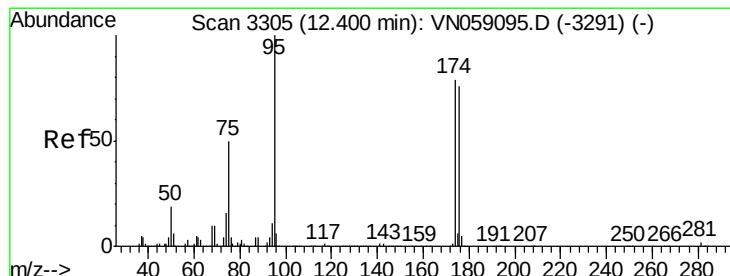
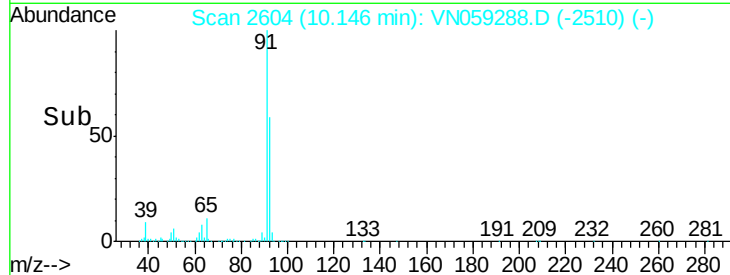
400000

200000

0

10.10 10.15 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 53.601 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059288.D

Acq: 18 Nov 2019 16:50

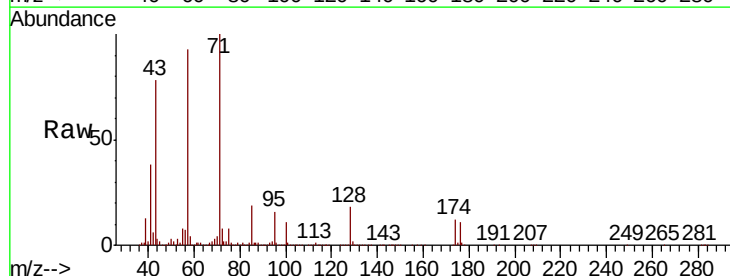
Tgt Ion: 95 Resp: 337779

Ion Ratio Lower Upper

95 100

174 76.2 0.0 158.2

176 73.9 0.0 151.8



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

250000

200000

150000

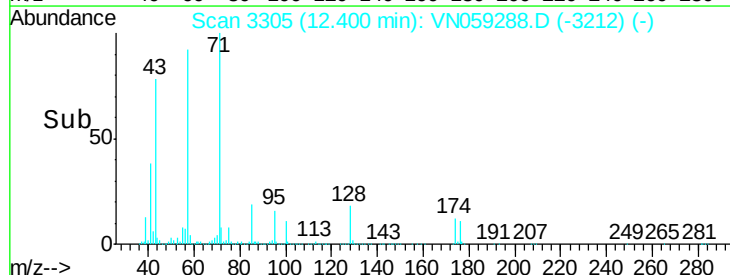
100000

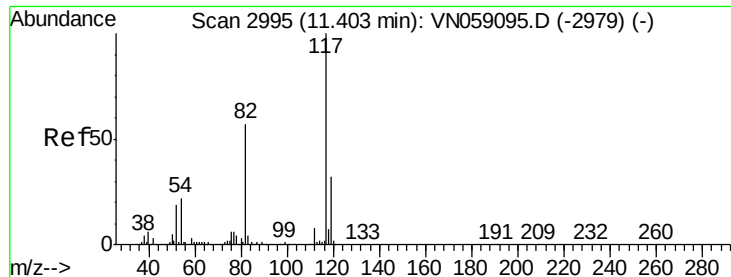
50000

0

12.30 12.35 12.40 12.45

Time-->

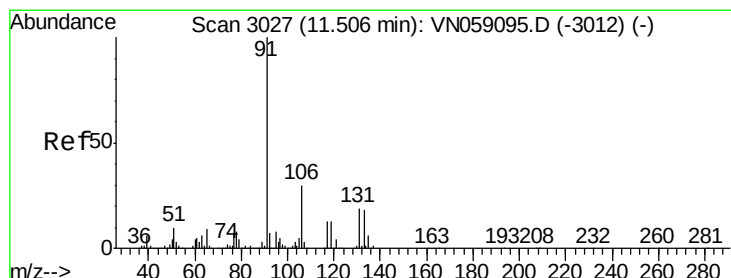
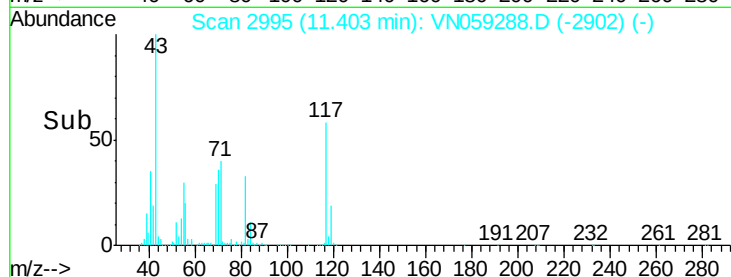
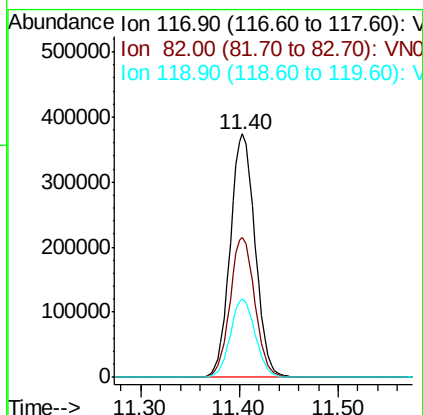
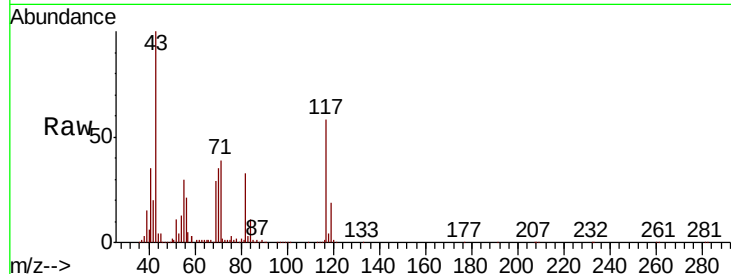




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

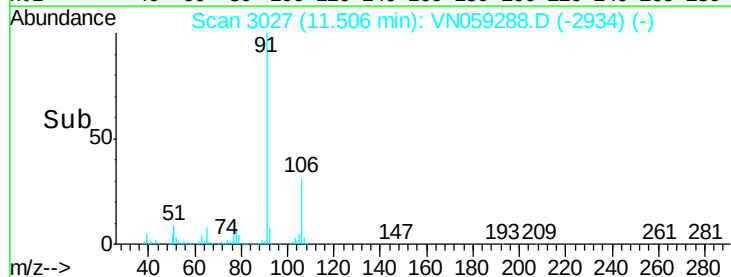
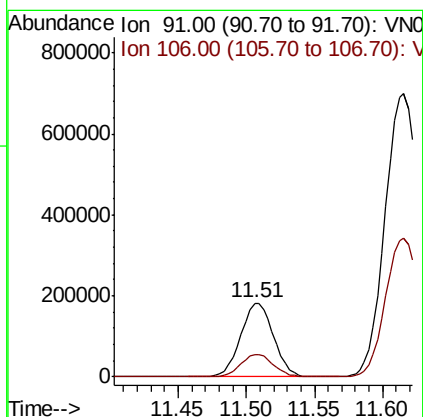
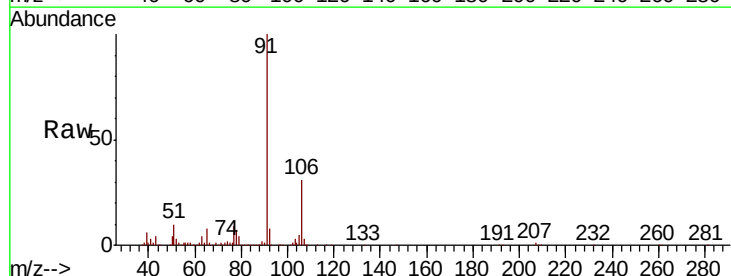
Instrument :
MSVOA_N
ClientSampleId :
30697

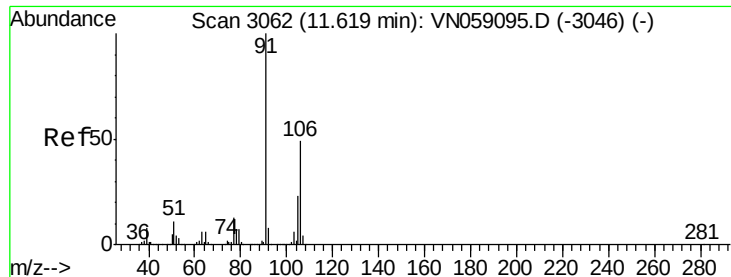
Tot Ion:117 Resp: 659241
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.8
119 32.2 25.8 38.6



#67
Ethyl Benzene
Concen: 13.406 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

Tgt Ion: 91 Resp: 305661
Ion Ratio Lower Upper
91 100
106 30.7 24.1 36.1

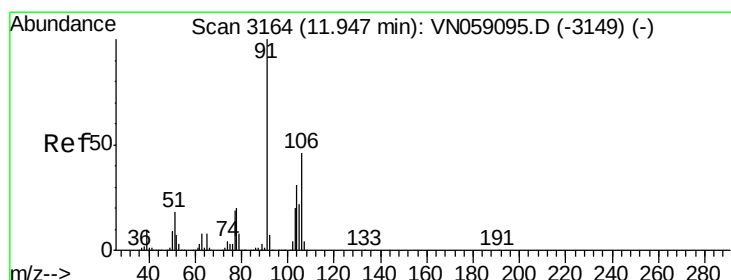
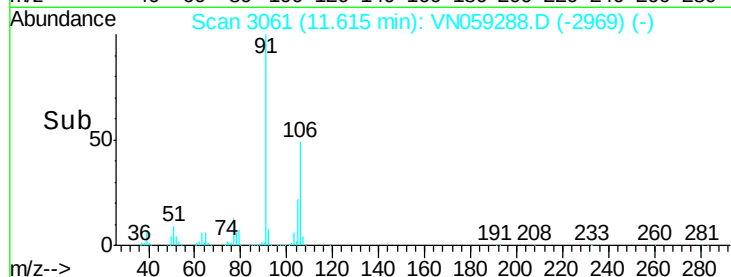
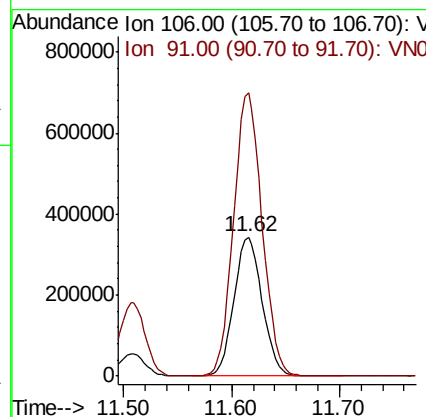
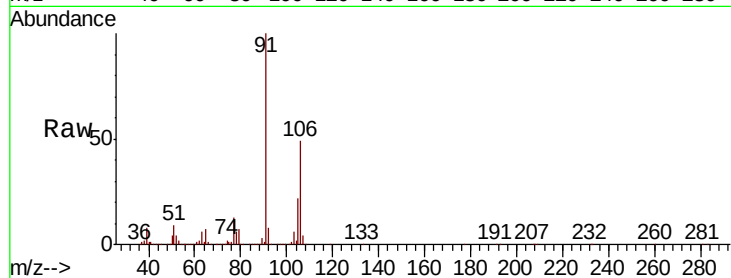




#68
m/p-Xylenes
Concen: 73.339 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

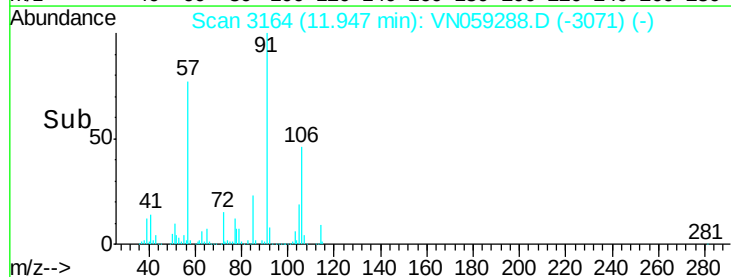
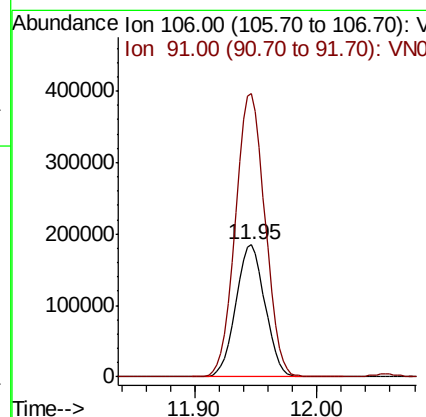
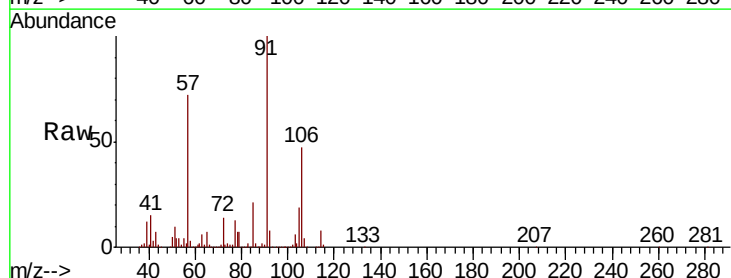
Instrument :
MSVOA_N
ClientSampled :
30697

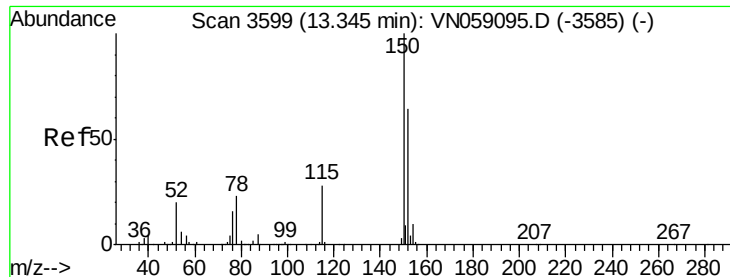
Tot Ion:106 Resp: 626384
Ion Ratio Lower Upper
106 100
91 205.5 164.7 247.1



#69
o-Xylene
Concen: 37.197 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059288.D
Acq: 18 Nov 2019 16:50

Tgt Ion:106 Resp: 307020
Ion Ratio Lower Upper
106 100
91 217.9 110.1 330.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059288.D

Acq: 18 Nov 2019 16:50

Instrument :

MSVOA_N

ClientSampled :

30697

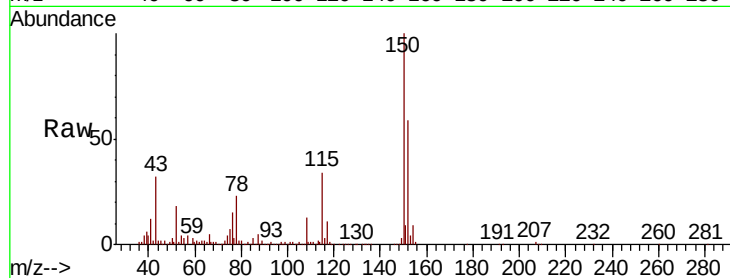
Tot Ion:152 Resp: 314799

Ion Ratio Lower Upper

152 100

115 58.3 29.4 88.2

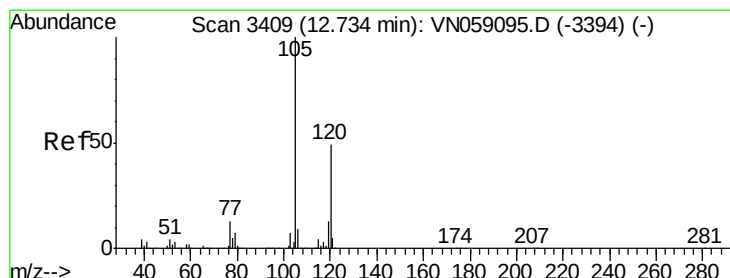
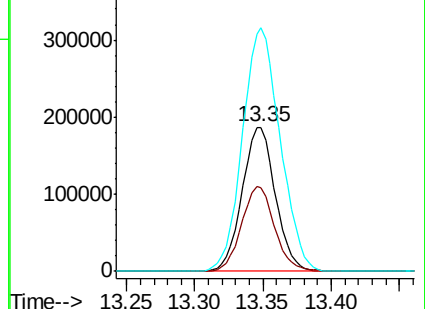
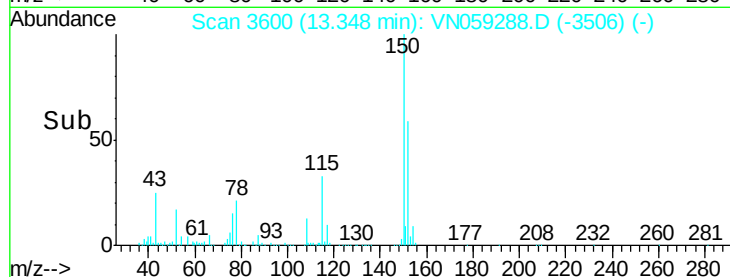
150 191.8 0.0 345.8



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



#80

1,3,5-Trimethylbenzene

Concen: 1.675 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059288.D

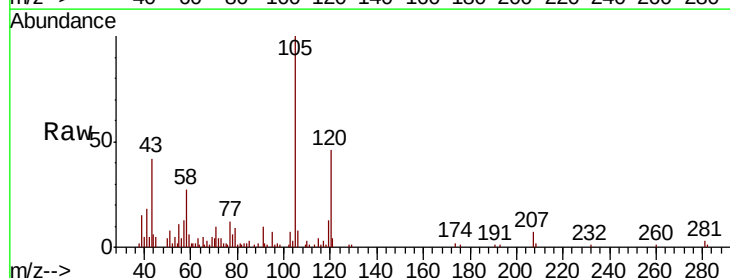
Acq: 18 Nov 2019 16:50

Tgt Ion:105 Resp: 32499

Ion Ratio Lower Upper

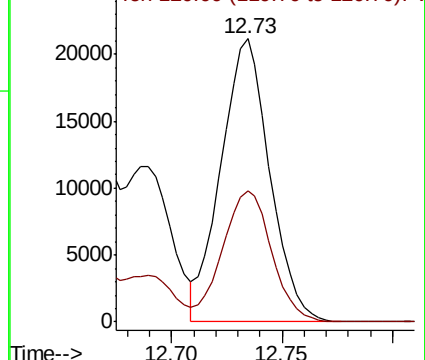
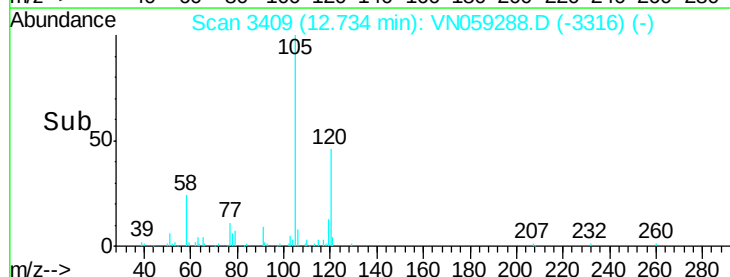
105 100

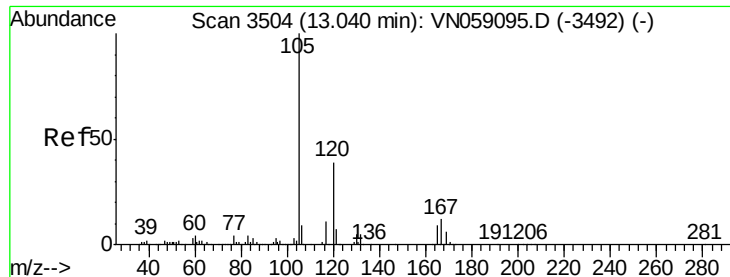
120 46.7 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 7.137 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059288.D

Acq: 18 Nov 2019 16:50

Instrument :

MSVOA_N

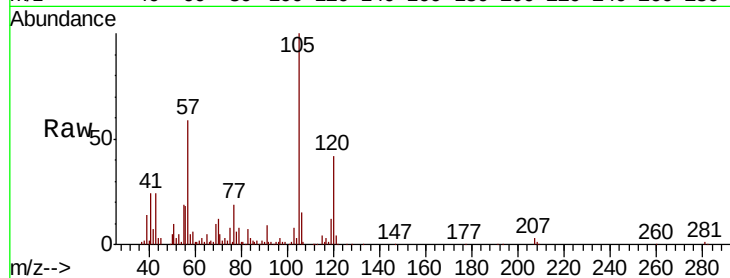
ClientSampled :
30697

Tot Ion:105 Resp: 133988

Ion Ratio Lower Upper

105 100

120 35.2 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

80000

60000

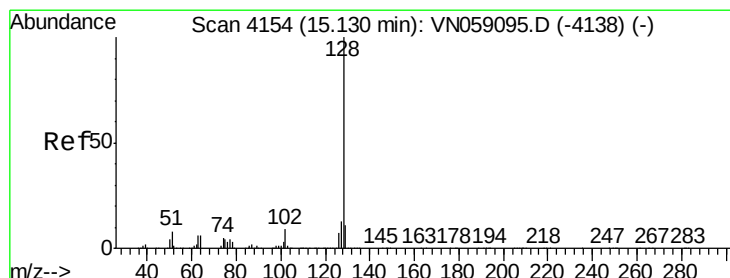
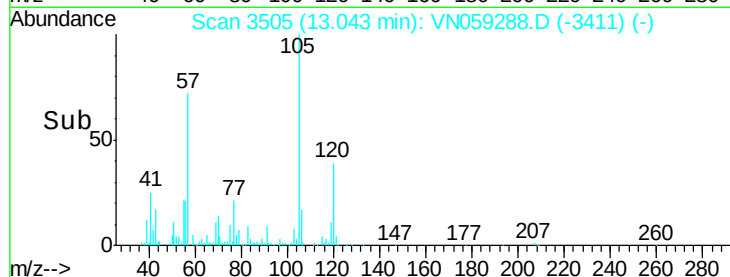
40000

20000

0

Time-->

13.00 13.10



#95

Naphthalene

Concen: 8.535 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059288.D

Acq: 18 Nov 2019 16:50

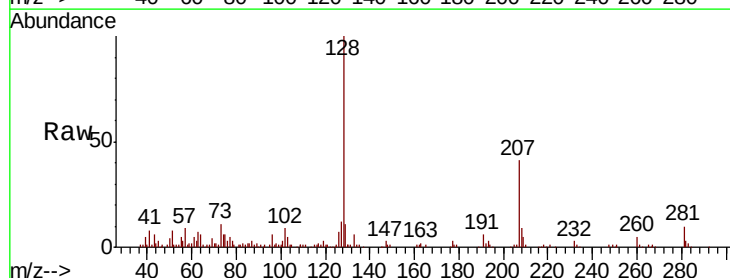
Tgt Ion:128 Resp: 95363

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.2

129 16.1 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

15.13

80000

60000

40000

20000

0

Time-->

15.05 15.10 15.15 15.20

