

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055295.D
 Acq On : 29 Apr 2019 15:54
 Operator : JC/SP
 Sample : K2583-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30026-30147-30148-30105

Quant Time: Apr 30 05:27:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	398103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	676767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	586625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	226488	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	260848	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	7.59	113	211982	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
50) Toluene-d8	10.09	98	812587	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	286914	57.23	ug/l	0.00
Spiked Amount			Recovery	=	114.46%	

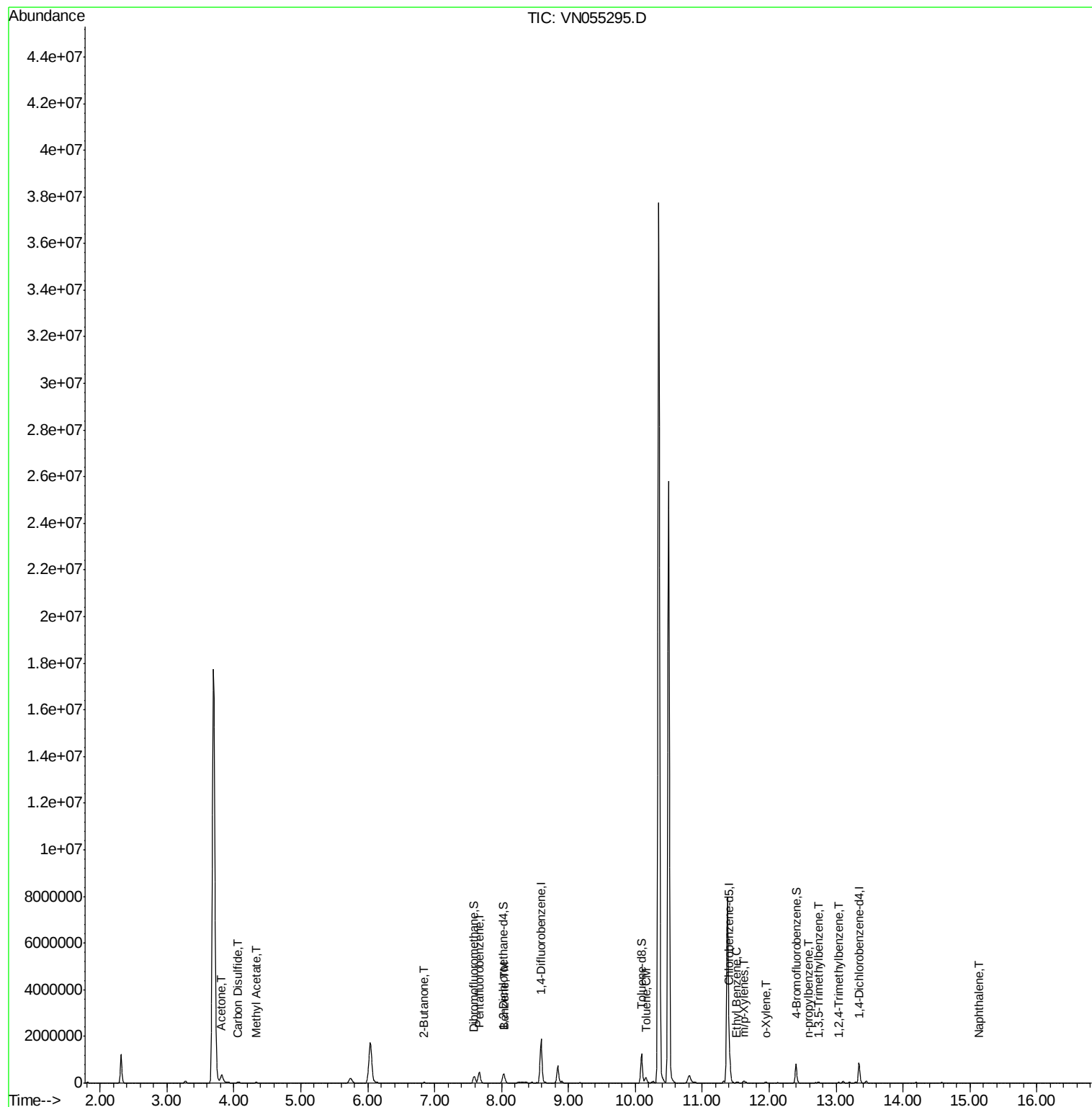
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	514174	316.849	ug/l #	83
17) Carbon Disulfide	4.05	76	6221	0.606	ug/l	98
18) Methyl Acetate	4.33	43	41689	9.711	ug/l	97
25) 2-Butanone	6.84	43	37886	18.256	ug/l	99
40) Benzene	8.04	78	124888	6.535	ug/l	98
52) Toluene	10.16	92	101156	9.226	ug/l	100
67) Ethyl Benzene	11.51	91	12908	0.623	ug/l #	86
68) m/p-Xylenes	11.62	106	23859	3.227	ug/l	99
69) o-Xylene	11.95	106	9938	1.356	ug/l	96
78) n-propylbenzene	12.59	91	5256	0.226	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	7881	0.444	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	15357	0.967	ug/l	98
95) Naphthalene	15.13	128	10183	4.838	ug/l	96

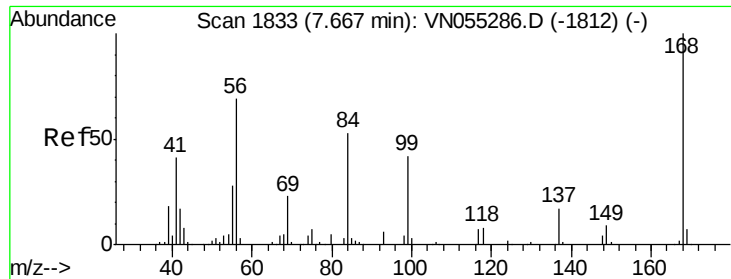
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

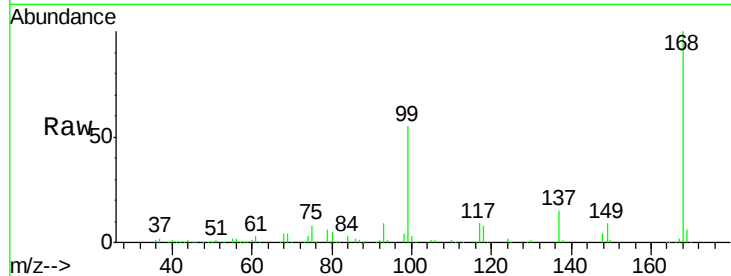
30026-30147-30148-30105

Tot Ion:168 Resp: 398103

Ion Ratio Lower Upper

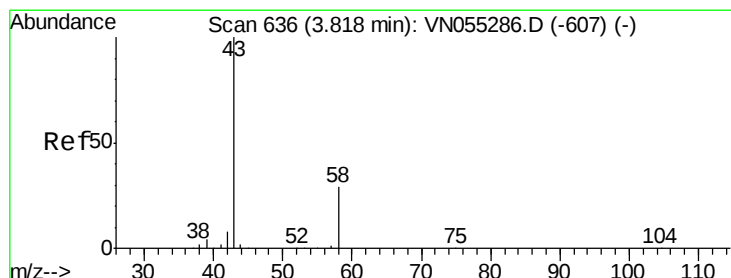
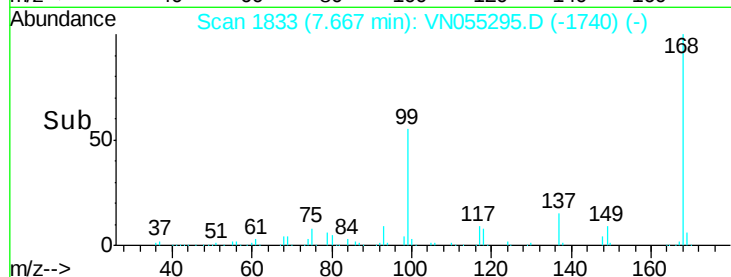
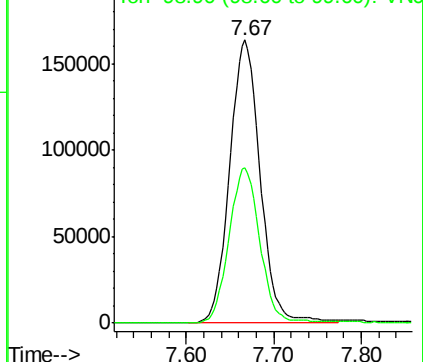
168 100

99 55.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 316.849 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055295.D

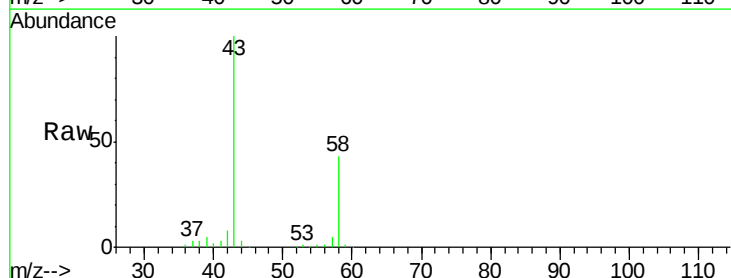
Acq: 29 Apr 2019 15:54

Tgt Ion: 43 Resp: 514174

Ion Ratio Lower Upper

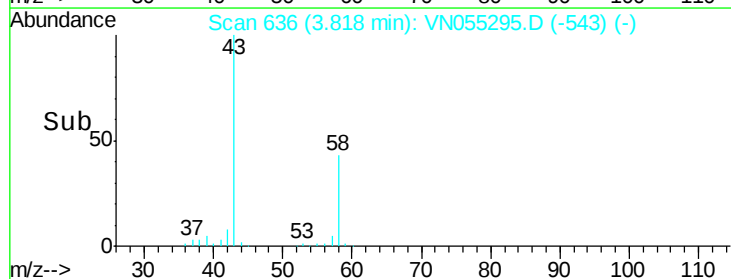
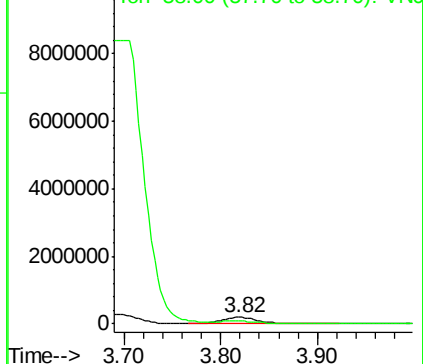
43 100

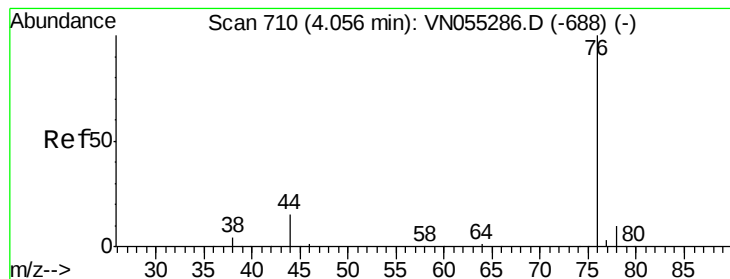
58 38.5 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: 0.606 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

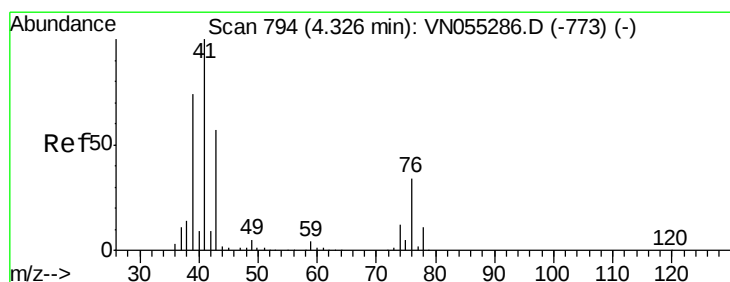
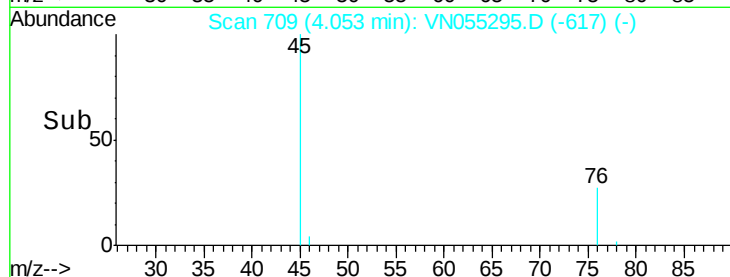
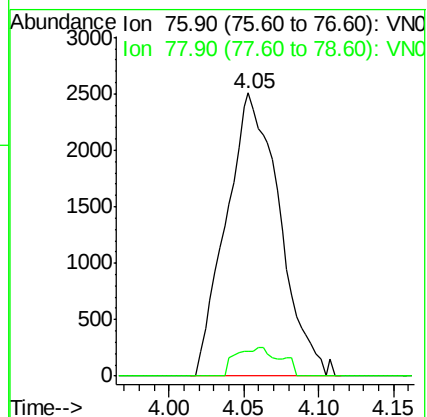
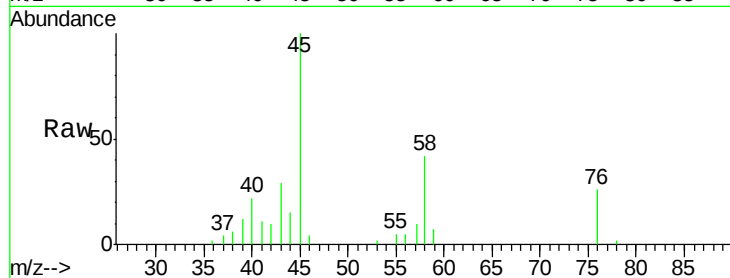
30026-30147-30148-30105

Tot Ion: 76 Resp: 6221

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4



#18

Methyl Acetate

Concen: 9.711 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055295.D

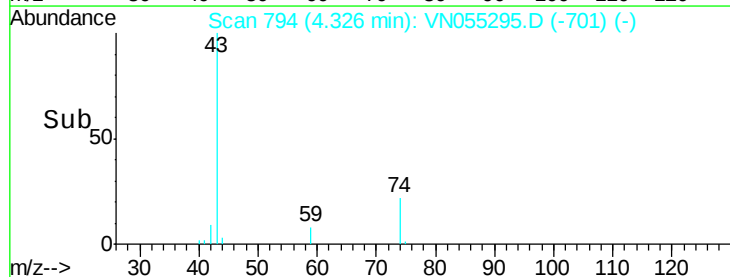
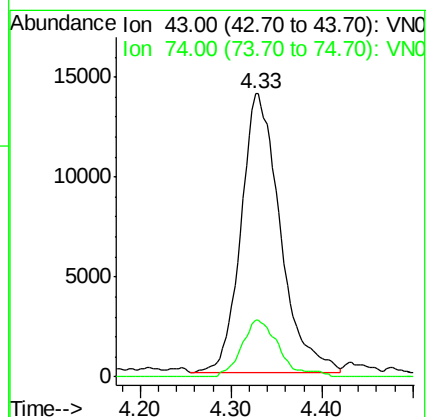
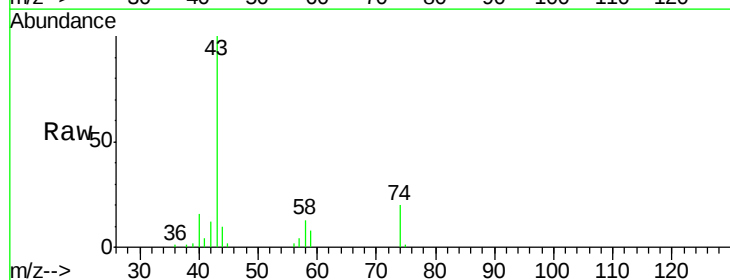
Acq: 29 Apr 2019 15:54

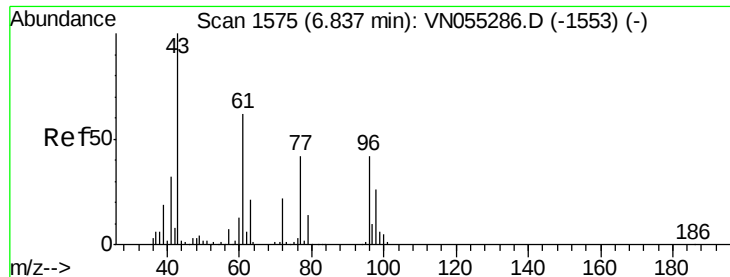
Tgt Ion: 43 Resp: 41689

Ion Ratio Lower Upper

43 100

74 18.7 15.8 23.8

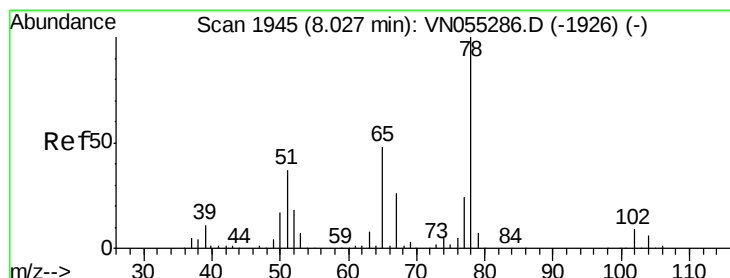
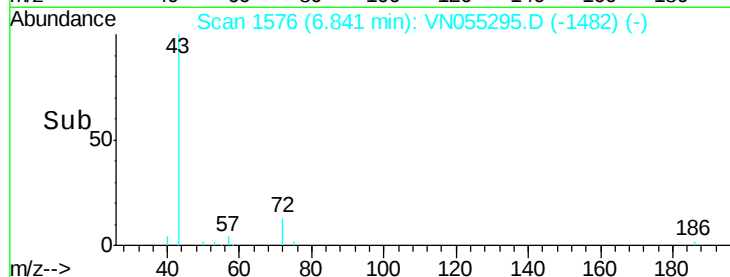
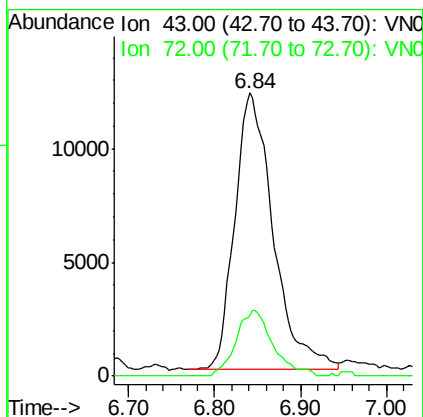
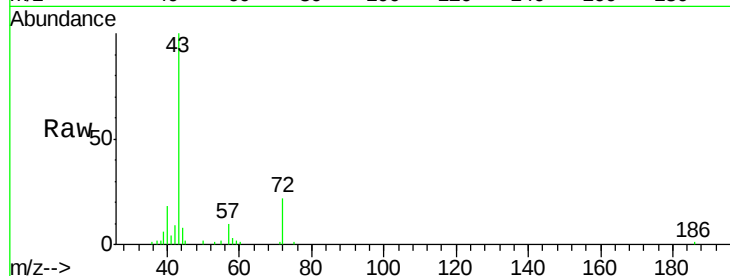




#25
2-Butanone
Concen: 18.256 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

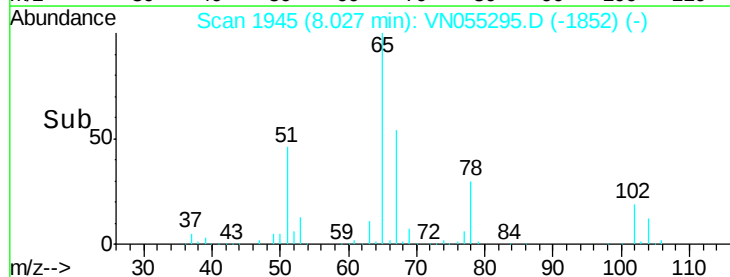
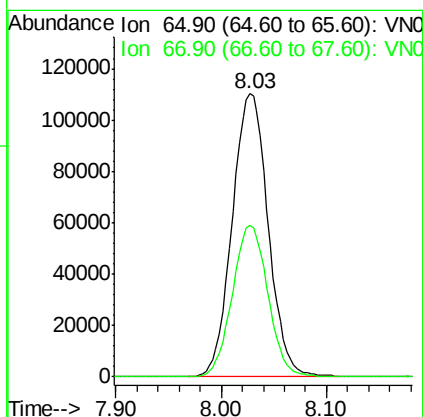
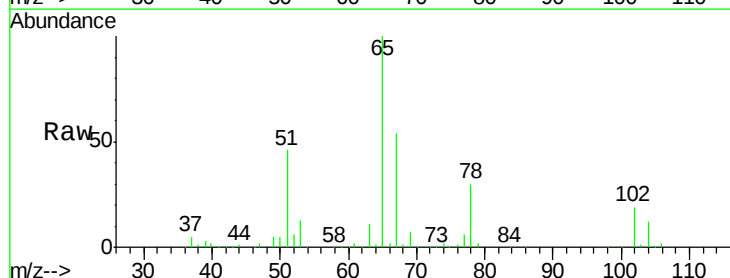
Instrument :
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30026-30147-30148-30105

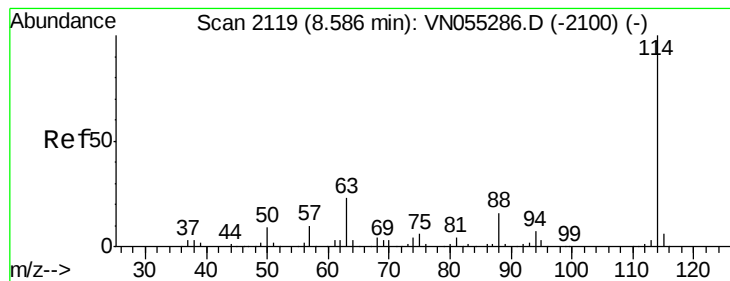
Tot Ion: 43 Resp: 37886
Ion Ratio Lower Upper
43 100
72 22.0 18.0 27.0



#33
1,2-Dichloroethane-d4
Concen: 50.085 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

Tgt Ion: 65 Resp: 260848
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

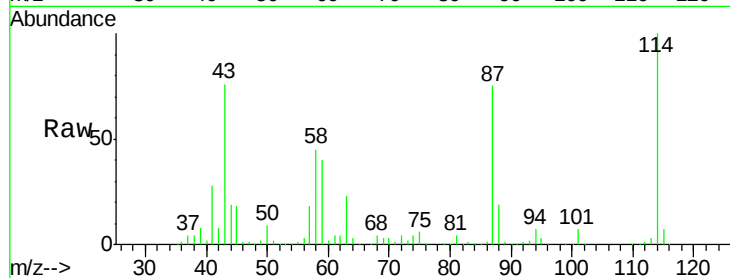
Tot Ion:114 Resp: 676767

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

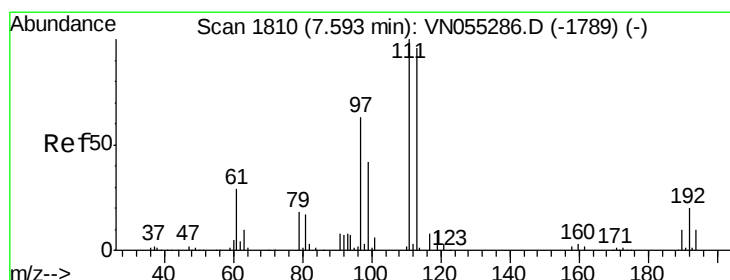
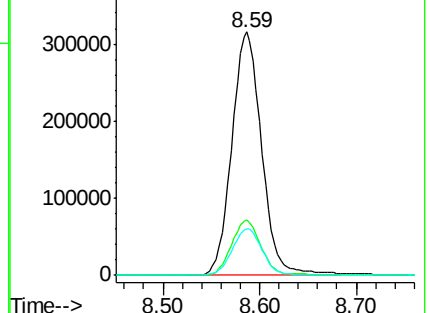
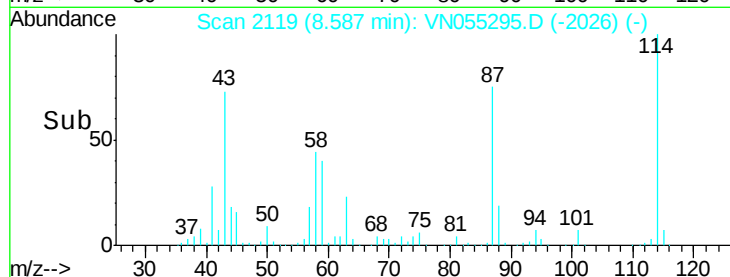
88 19.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.721 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

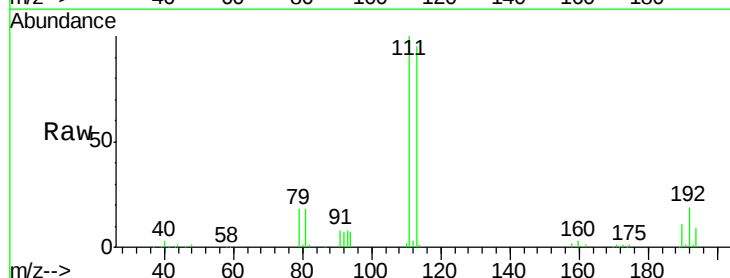
Tgt Ion:113 Resp: 211982

Ion Ratio Lower Upper

113 100

111 102.5 82.3 123.5

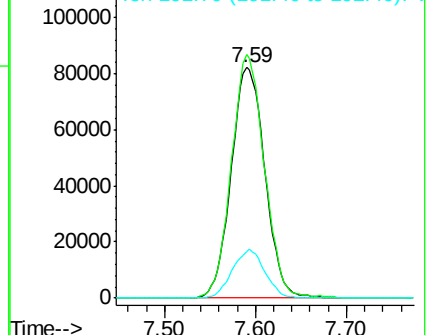
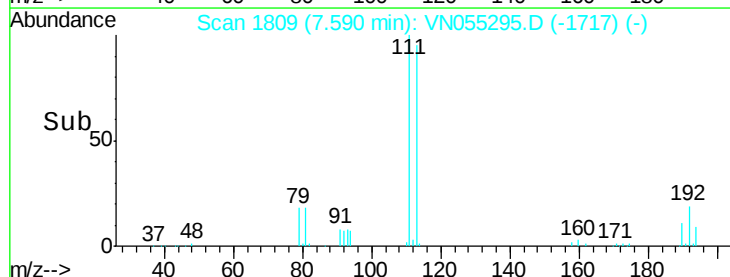
192 20.4 17.0 25.6

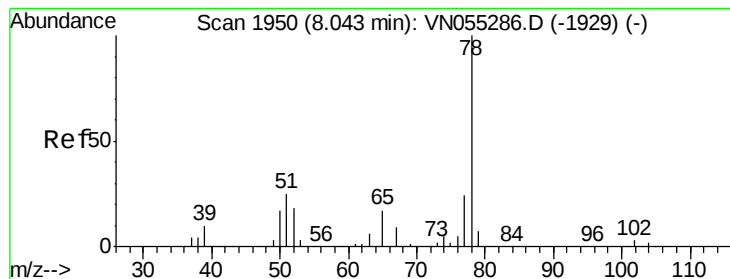


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 6.535 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

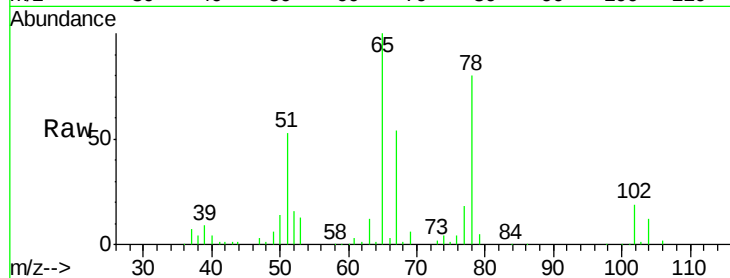
30026-30147-30148-30105

Tot Ion: 78 Resp: 124888

Ion Ratio Lower Upper

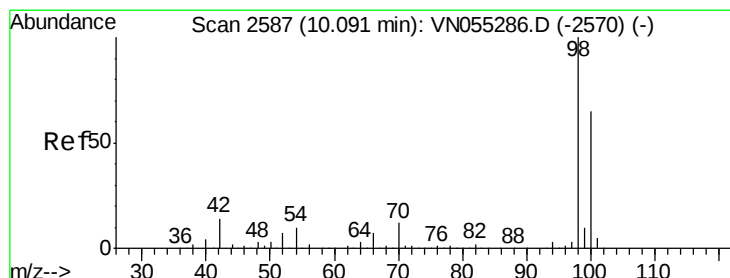
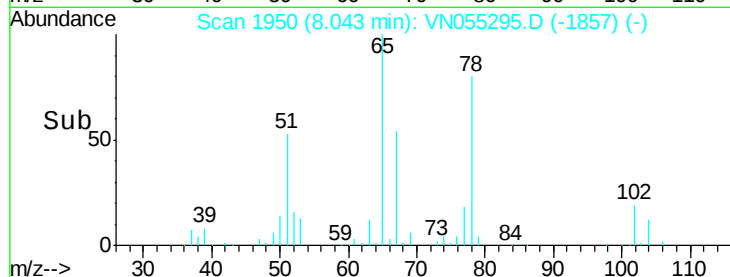
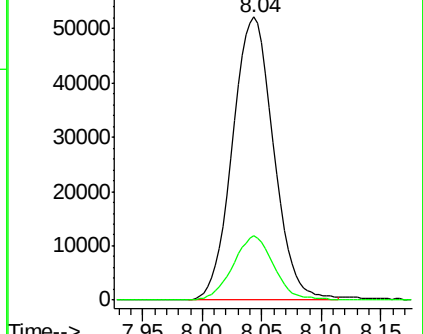
78 100

77 22.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 50.661 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055295.D

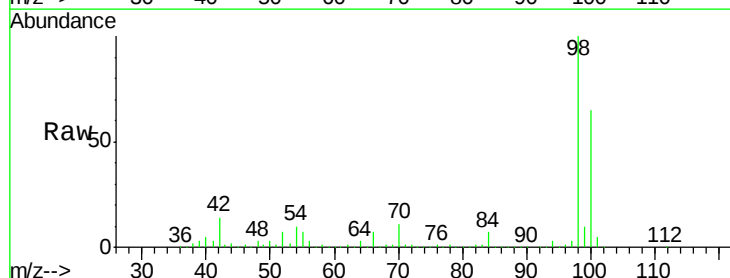
Acq: 29 Apr 2019 15:54

Tgt Ion: 98 Resp: 812587

Ion Ratio Lower Upper

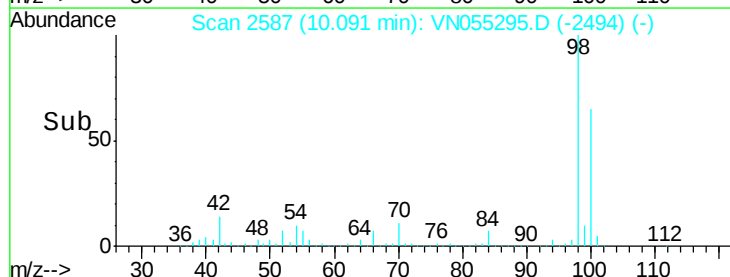
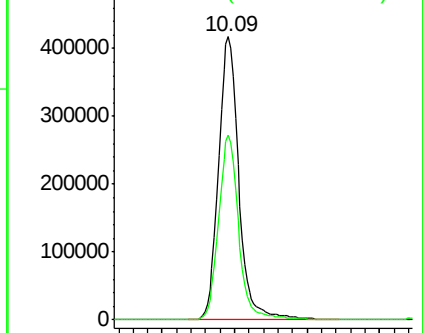
98 100

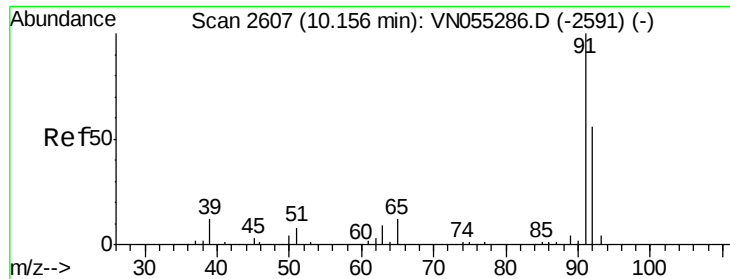
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 9.226 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

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ClientSampleId :

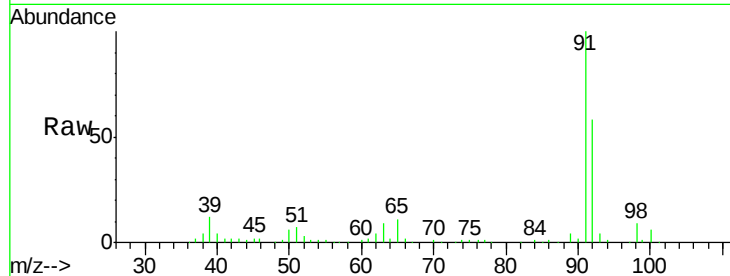
30026-30147-30148-30105

Tot Ion: 92 Resp: 101156

Ion Ratio Lower Upper

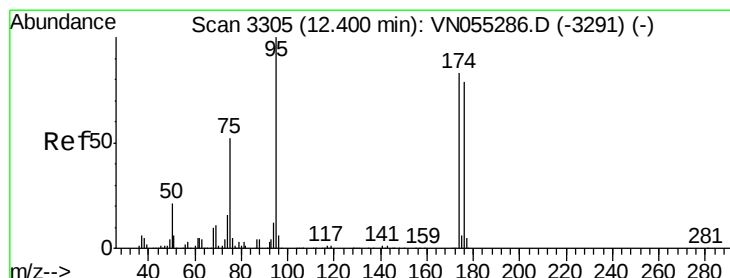
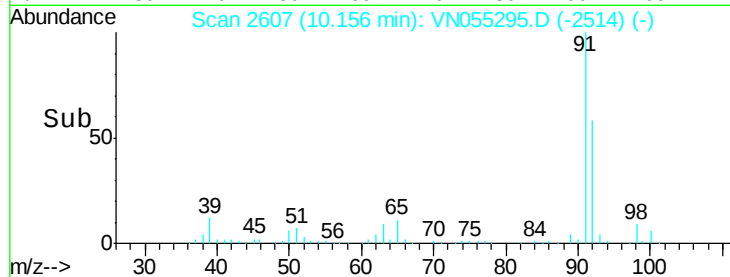
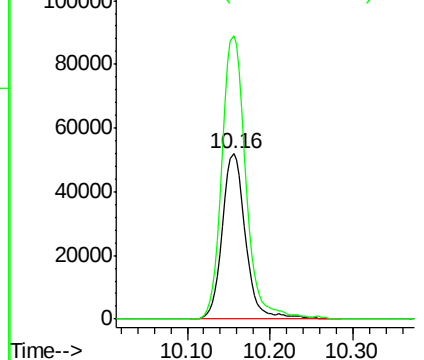
92 100

91 174.8 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 57.234 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

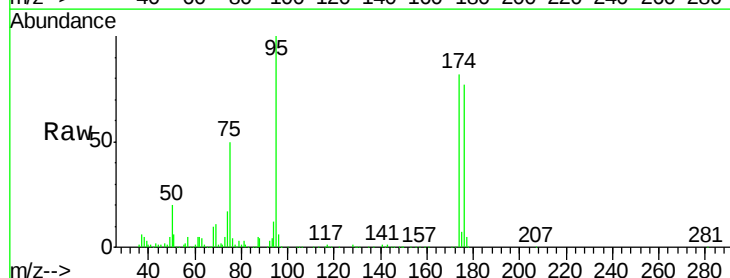
Tgt Ion: 95 Resp: 286914

Ion Ratio Lower Upper

95 100

174 82.0 0.0 166.6

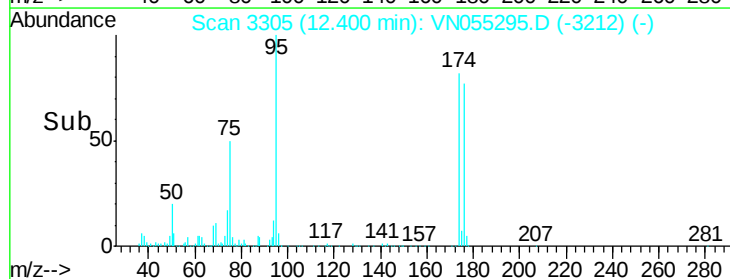
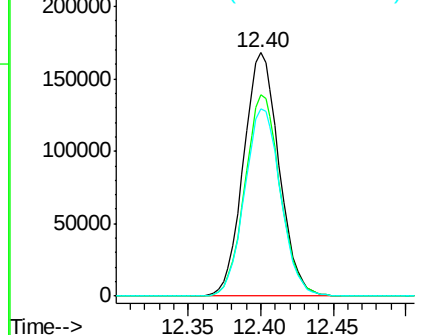
176 78.0 0.0 157.8

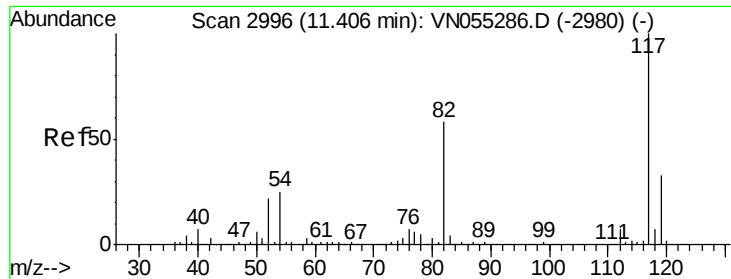


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

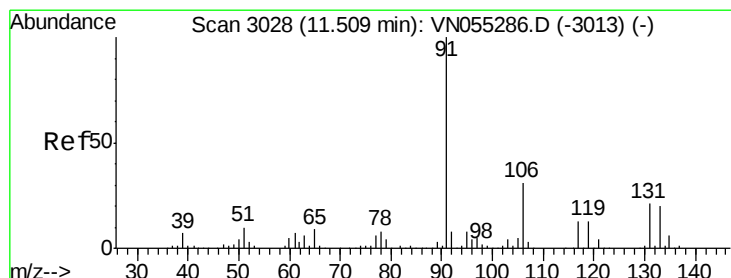
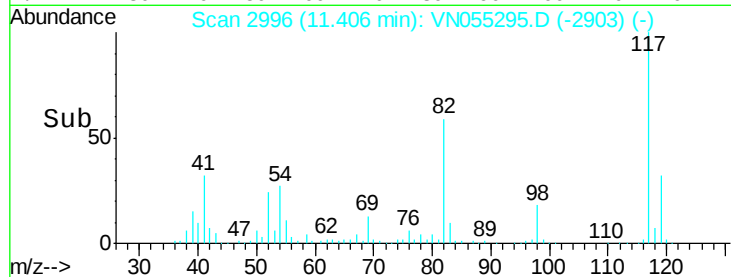
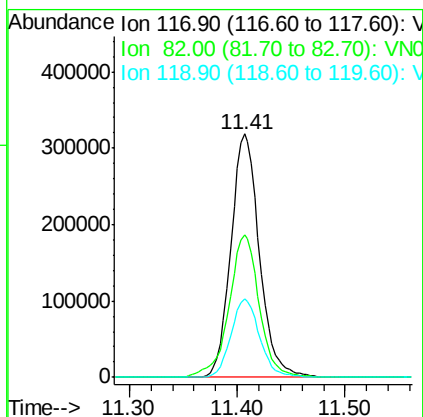
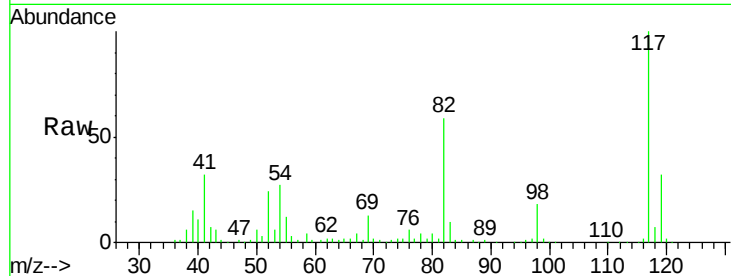




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

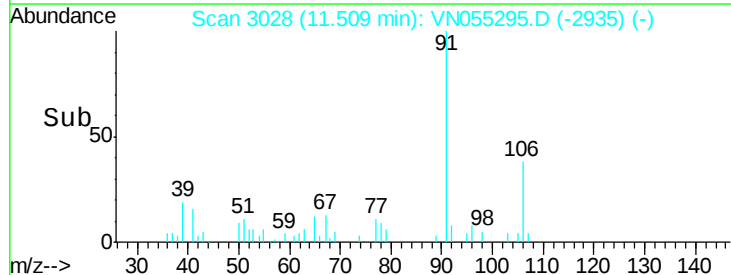
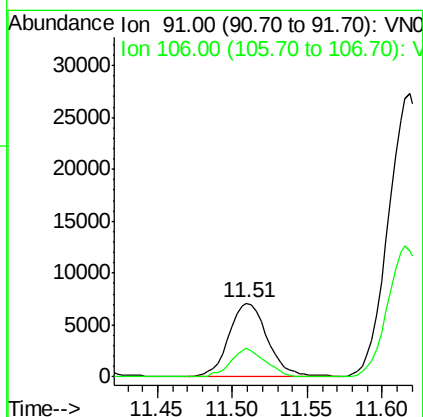
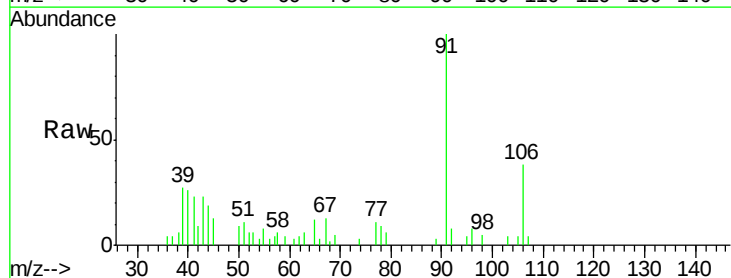
Instrument :
MSVOA_N
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30026-30147-30148-30105

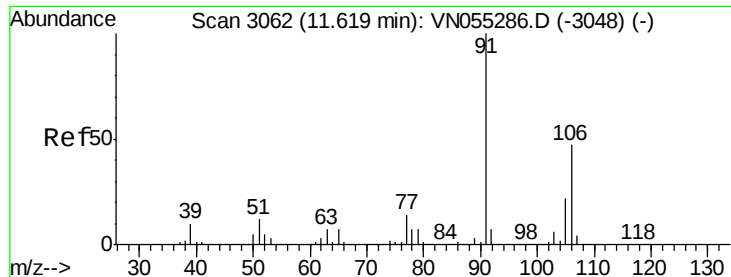
Tot Ion:117 Resp: 586625
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 32.1 26.6 40.0



#67
Ethyl Benzene
Concen: 0.623 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

Tgt Ion: 91 Resp: 12908
Ion Ratio Lower Upper
91 100
106 38.1 24.6 36.8#

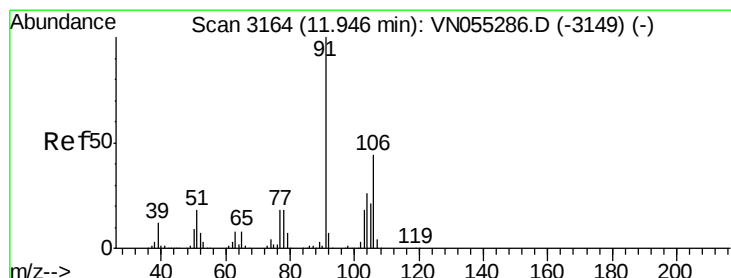
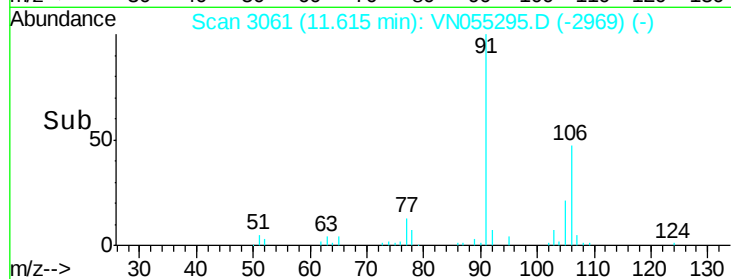
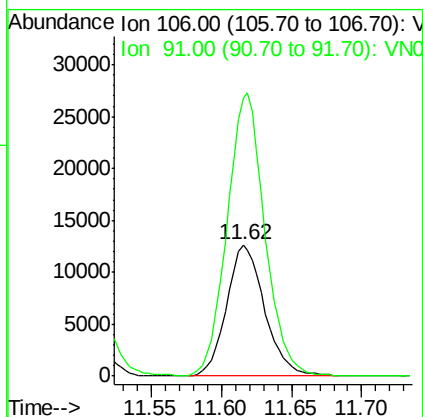
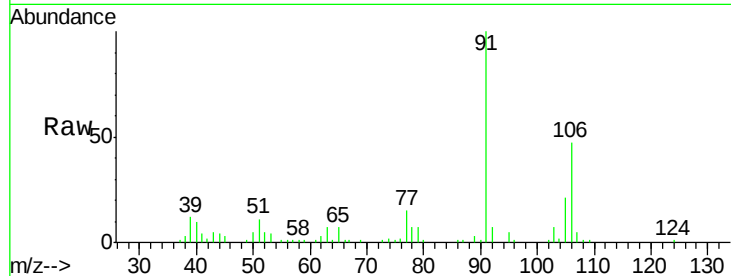




#68
m/p-Xylenes
Concen: 3.227 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

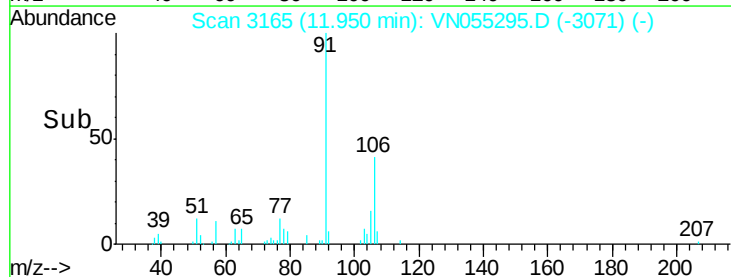
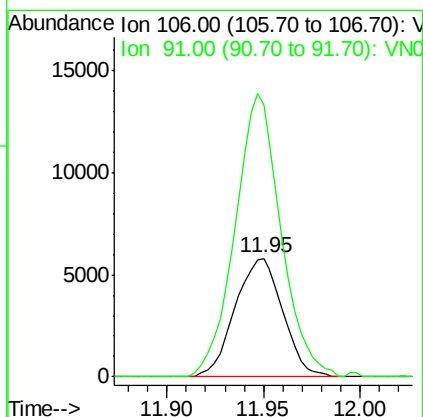
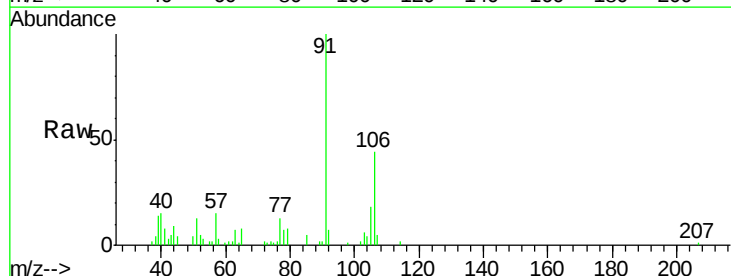
Instrument :
MSVOA_N
ClientSampleId :
30026-30147-30148-30105

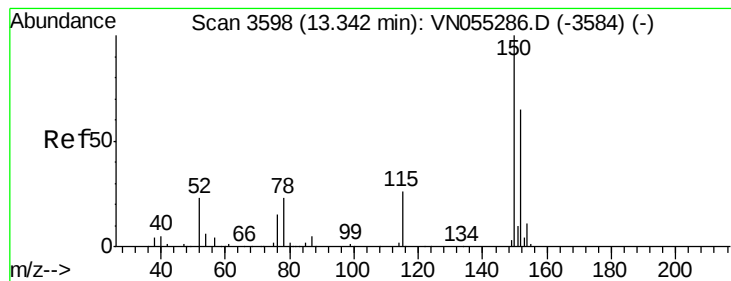
Tot Ion:106 Resp: 23859
Ion Ratio Lower Upper
106 100
91 213.0 169.5 254.3



#69
o-Xylene
Concen: 1.356 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

Tgt Ion:106 Resp: 9938
Ion Ratio Lower Upper
106 100
91 229.7 111.5 334.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

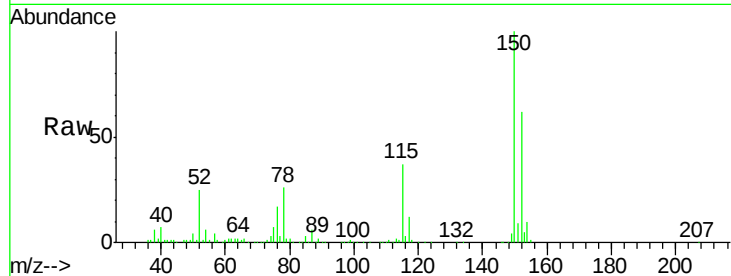
Tot Ion:152 Resp: 226488

Ion Ratio Lower Upper

152 100

115 58.9 29.0 87.0

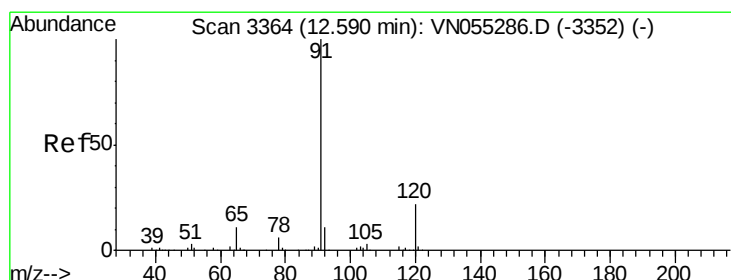
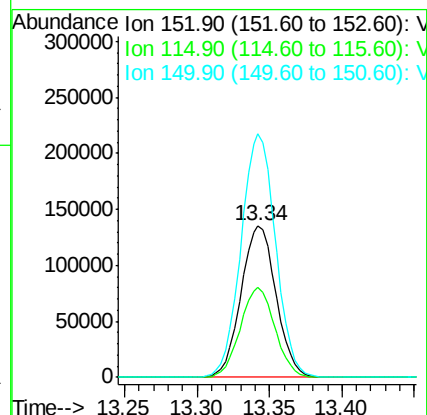
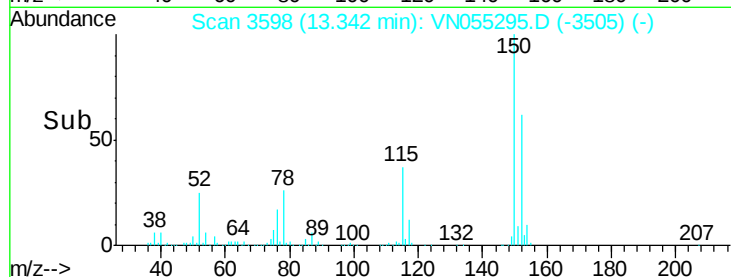
150 158.7 0.0 345.6



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



#78

n-propylbenzene

Concen: 0.226 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055295.D

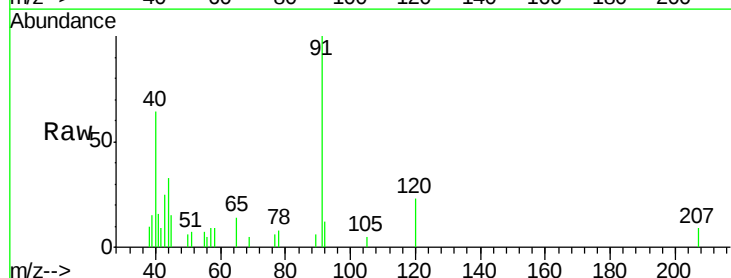
Acq: 29 Apr 2019 15:54

Tgt Ion: 91 Resp: 5256

Ion Ratio Lower Upper

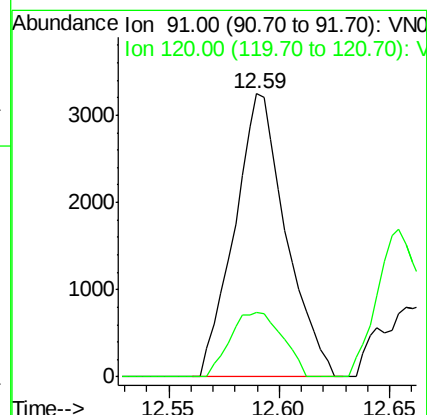
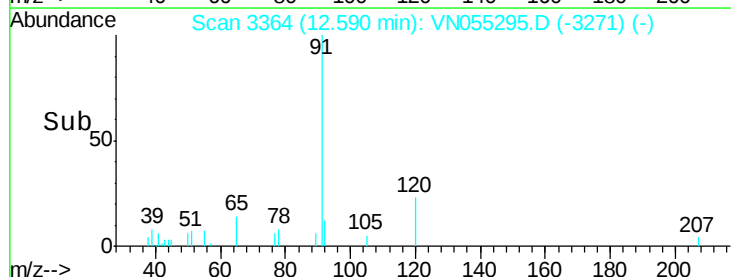
91 100

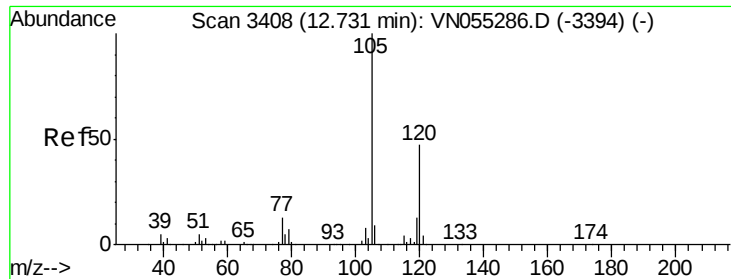
120 23.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.444 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

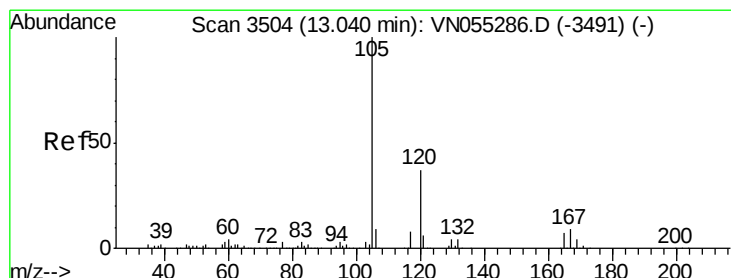
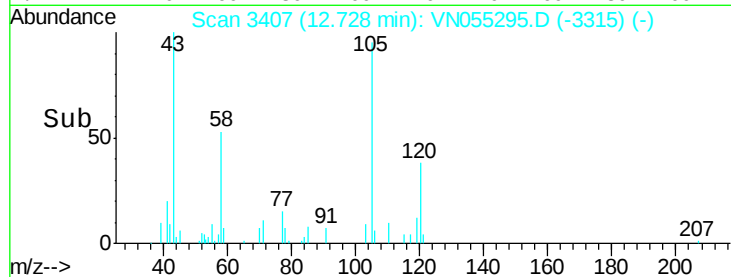
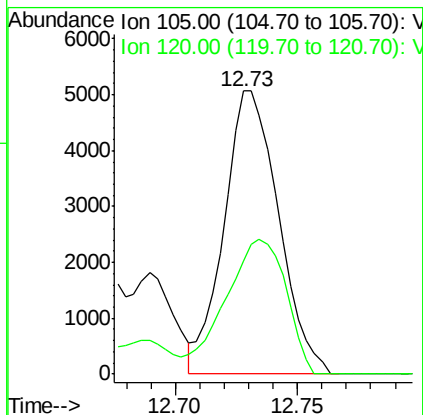
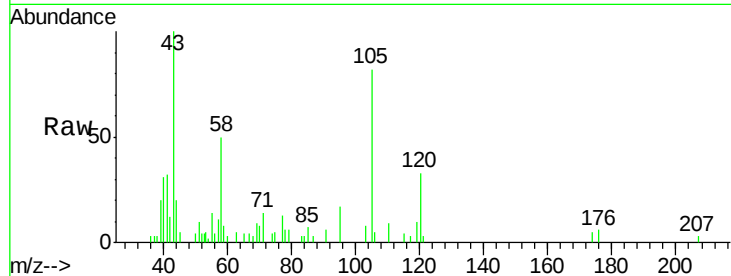
30026-30147-30148-30105

Tot Ion:105 Resp: 7881

Ion Ratio Lower Upper

105 100

120 53.0 23.4 70.0



#84

1,2,4-Trimethylbenzene

Concen: 0.967 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055295.D

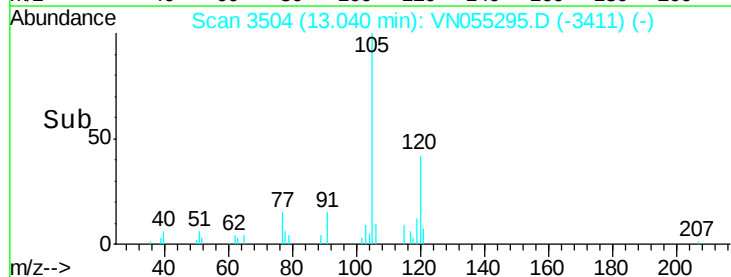
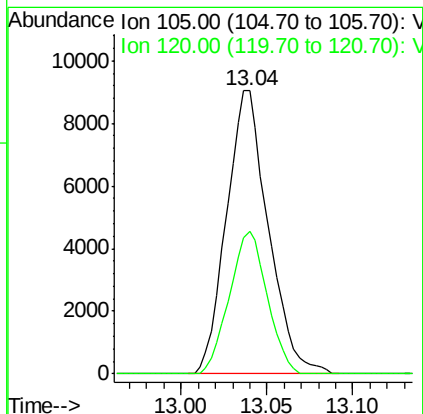
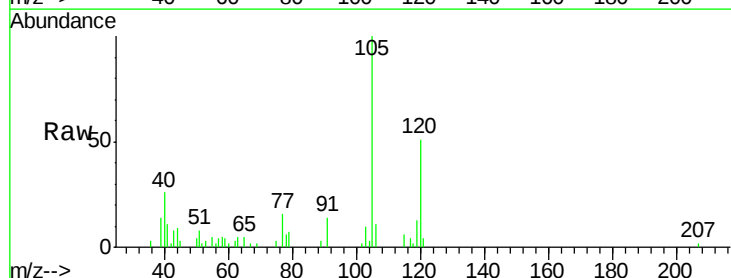
Acq: 29 Apr 2019 15:54

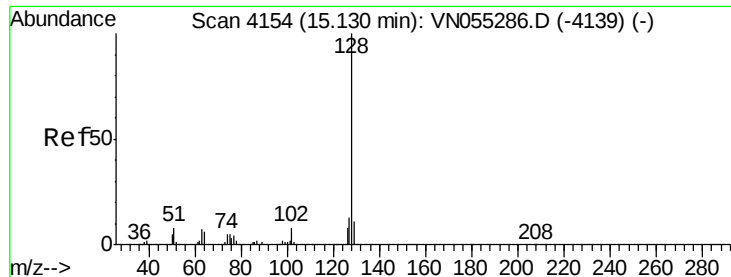
Tgt Ion:105 Resp: 15357

Ion Ratio Lower Upper

105 100

120 45.3 22.1 66.5





#95

Naphthalene

Concen: 4.838 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

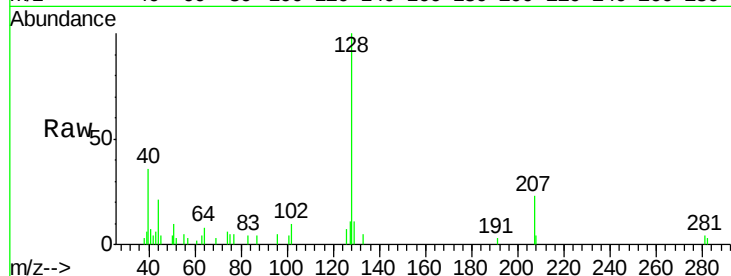
Tot Ion:128 Resp: 10183

Ion Ratio Lower Upper

128 100

127 12.0 10.7 16.1

129 12.9 8.6 13.0



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

