

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053301.D
 Acq On : 7 Jan 2019 13:41
 Operator : MD\SY
 Sample : K1053-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2-DRUM

Quant Time: Jan 08 02:59:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1015389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1573166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1482721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	682590	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	506083	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
35) Dibromofluoromethane	7.59	113	445220	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	10.09	98	1952489	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	702239	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	

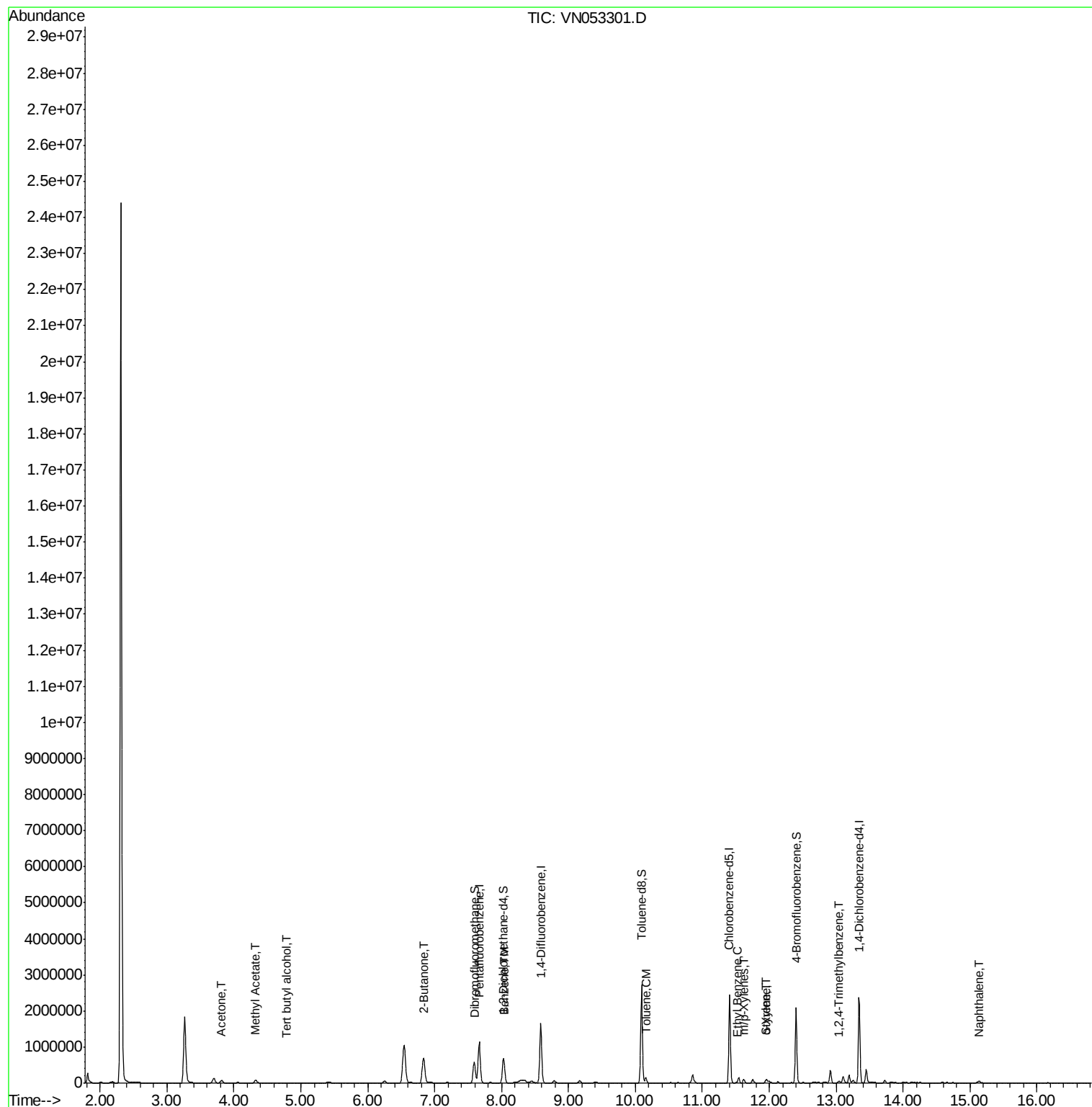
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	15013	23.628	ug/l #	94
16) Acetone	3.82	43	126802	48.069	ug/l	98
18) Methyl Acetate	4.32	43	164960	17.254	ug/l	99
25) 2-Butanone	6.83	43	1263355	291.504	ug/l	99
40) Benzene	8.04	78	125987	2.808	ug/l	100
52) Toluene	10.16	92	64491	2.343	ug/l	100
67) Ethyl Benzene	11.51	91	18382	0.336	ug/l	99
68) m/p-Xylenes	11.62	106	31827	1.546	ug/l	100
69) o-Xylene	11.95	106	13382	0.664	ug/l	92
70) Styrene	11.96	104	34242	1.044	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	30010	0.720	ug/l	90
95) Naphthalene	15.13	128	35856	2.988	ug/l	99

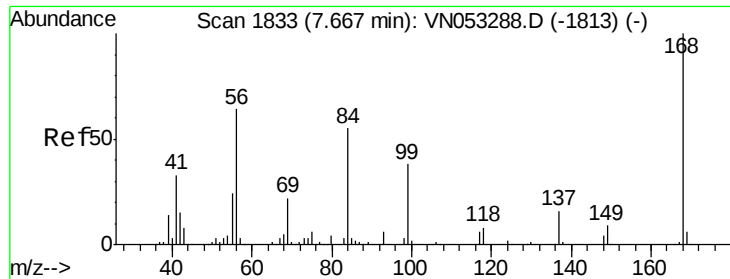
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053301.D

Acq: 7 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

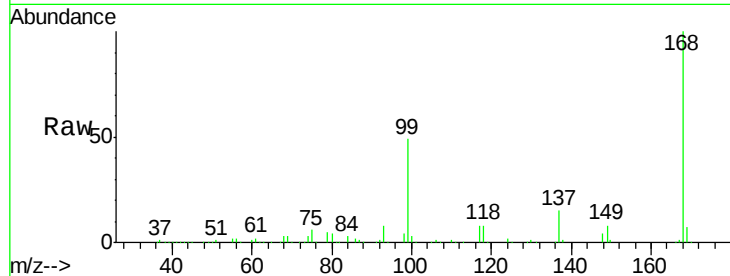
COMP-2-DRUM

Tot Ion:168 Resp: 1015389

Ion Ratio Lower Upper

168 100

99 49.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053288.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053288.D (-1813) (-)

7.67

400000

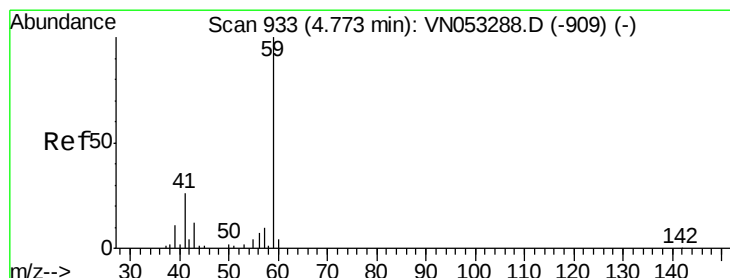
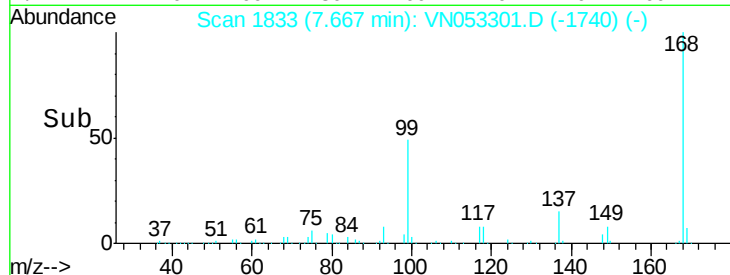
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 23.628 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN053301.D

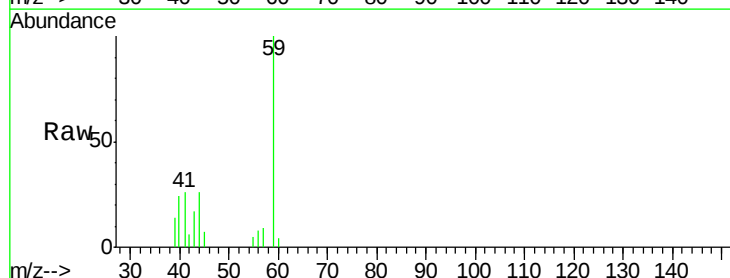
Acq: 7 Jan 2019 13:41

Tgt Ion: 59 Resp: 15013

Ion Ratio Lower Upper

59 100

57 7.7 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN053288.D (-909) (-)

Ion 57.00 (56.70 to 57.70): VN053288.D (-909) (-)

4.78

4000

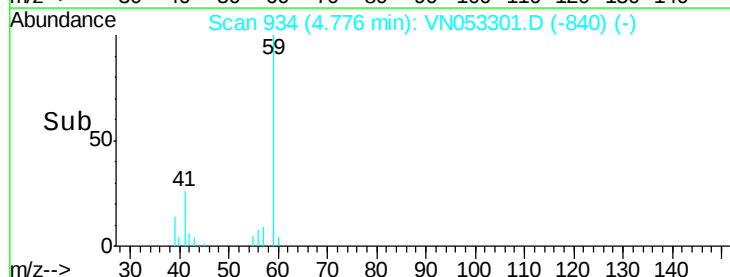
3000

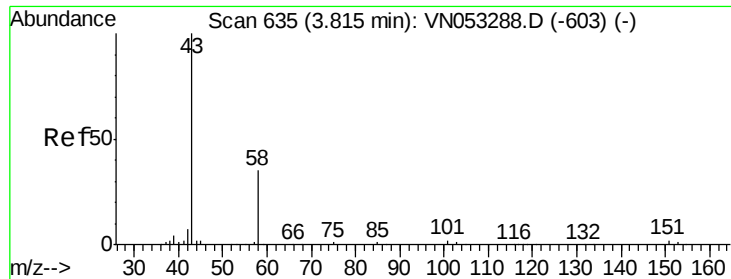
2000

1000

0

Time-->

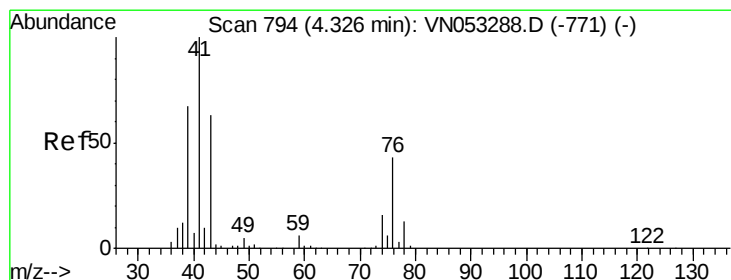
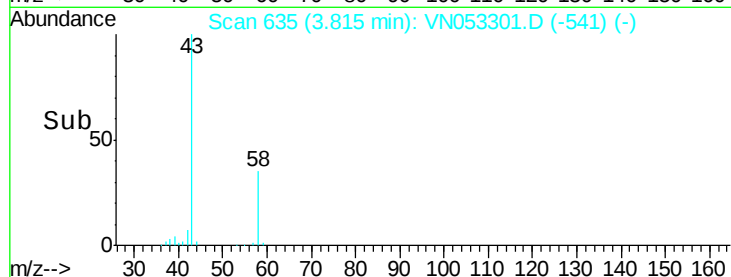
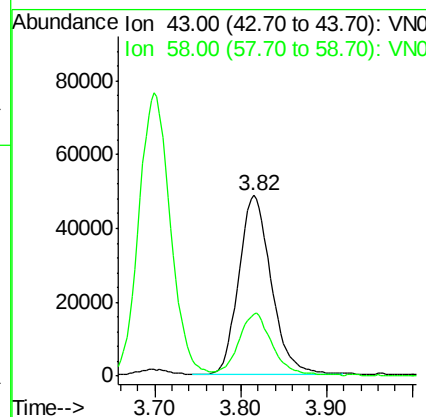
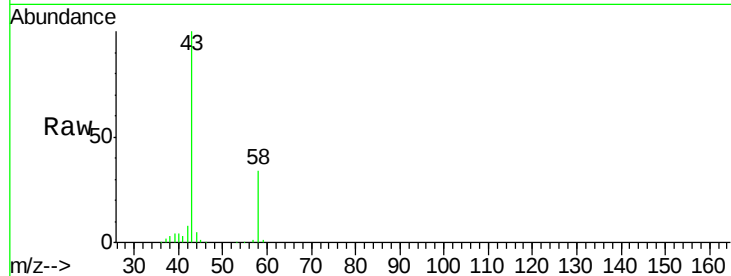




#16
Acetone
Concen: 48.069 ug/l
RT: 3.82 min Scan# 635
Delta R.T. 0.00 min
Lab File: VN053301.D
Acq: 7 Jan 2019 13:41

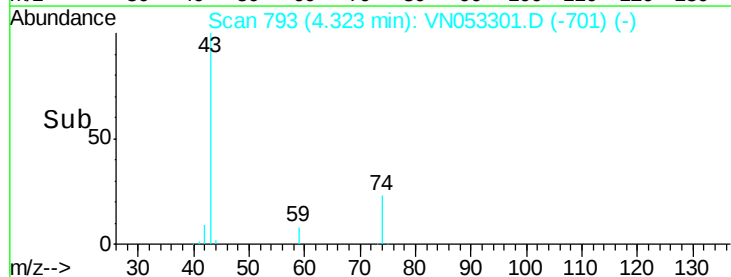
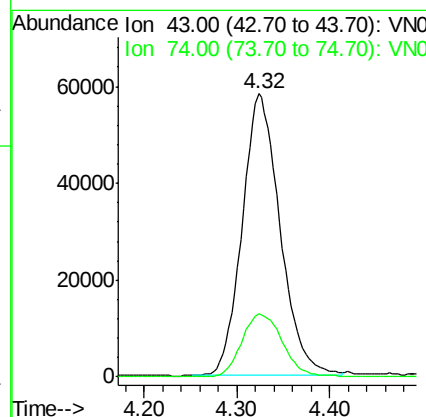
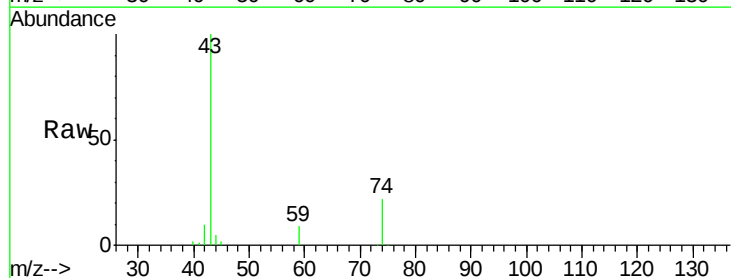
Instrument :
MSVOA_N
ClientSampleId :
COMP-2-DRUM

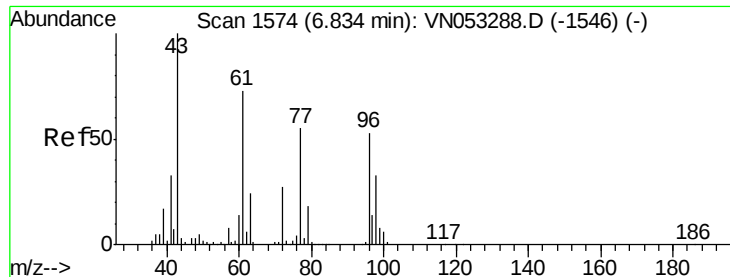
Tot Ion: 43 Resp: 126802
Ion Ratio Lower Upper
43 100
58 33.8 27.8 41.6



#18
Methyl Acetate
Concen: 17.254 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053301.D
Acq: 7 Jan 2019 13:41

Tgt Ion: 43 Resp: 164960
Ion Ratio Lower Upper
43 100
74 24.1 19.8 29.8

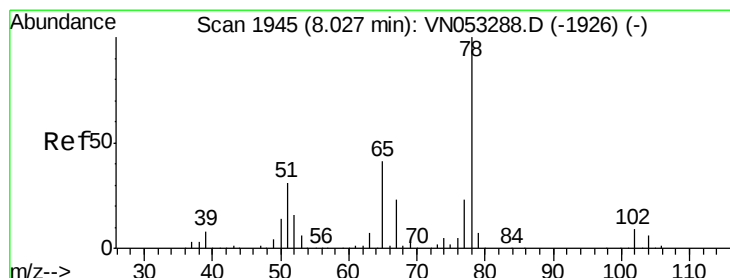
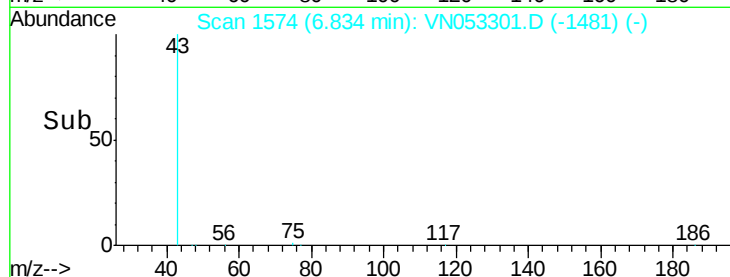
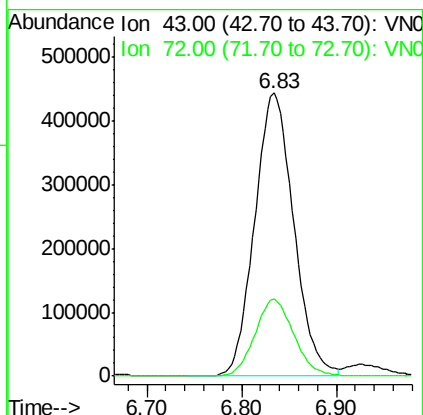
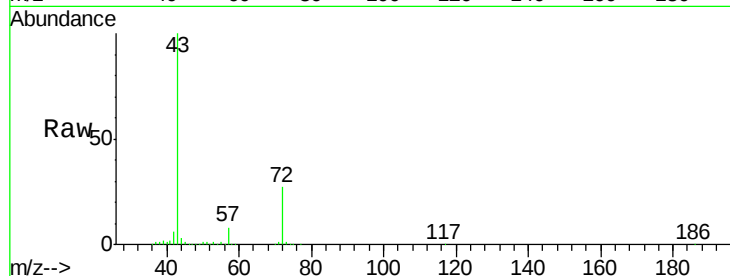




#25
2-Butanone
Concen: 291.504 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053301.D
Acq: 7 Jan 2019 13:41

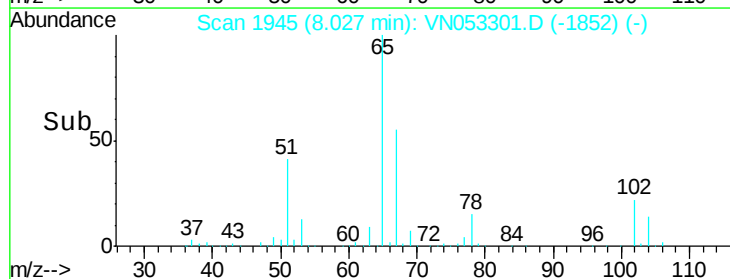
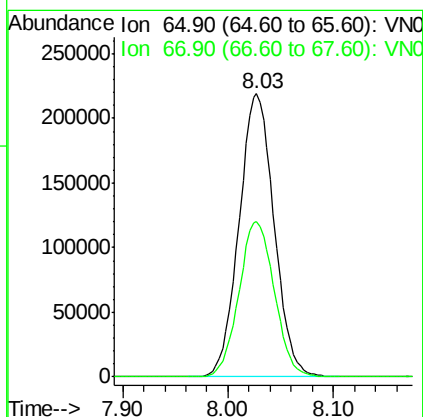
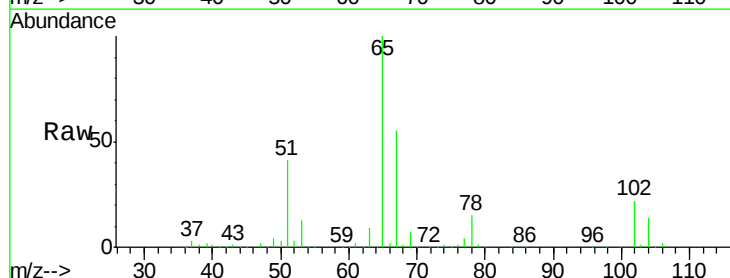
Instrument :
MSVOA_N
ClientSampleId :
COMP-2-DRUM

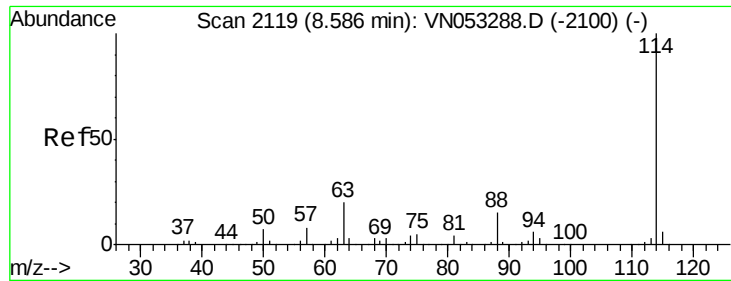
Tot Ion: 43 Resp: 1263355
Ion Ratio Lower Upper
43 100
72 27.1 22.0 33.0



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053301.D
Acq: 7 Jan 2019 13:41

Tgt Ion: 65 Resp: 506083
Ion Ratio Lower Upper
65 100
67 55.5 0.0 111.0

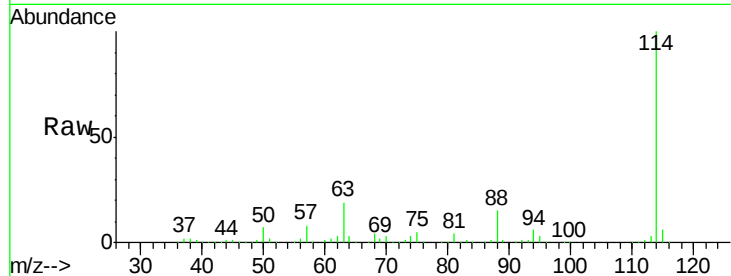




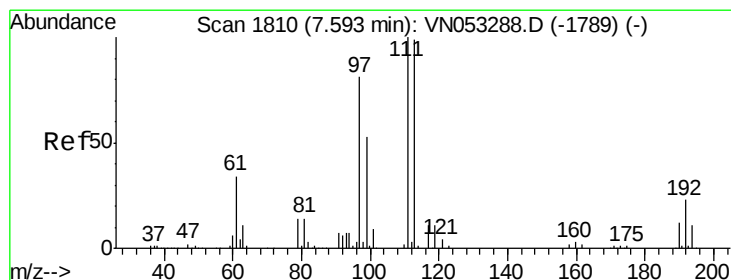
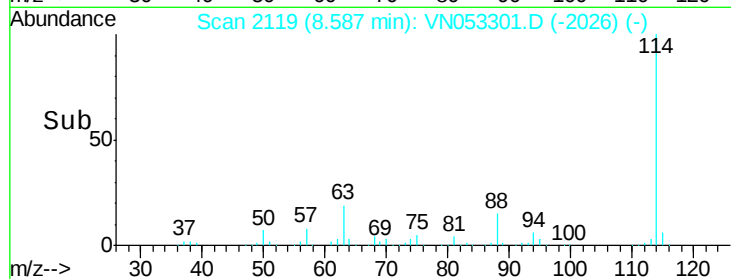
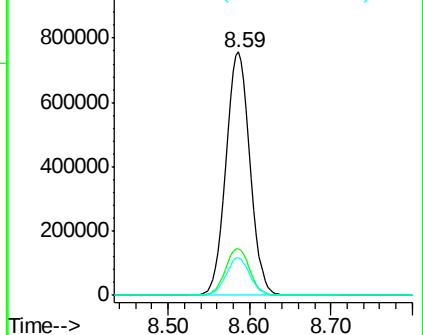
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053301.D
 Acq: 7 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2-DRUM

Tot Ion:114 Resp: 1573166
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.4 0.0 30.8

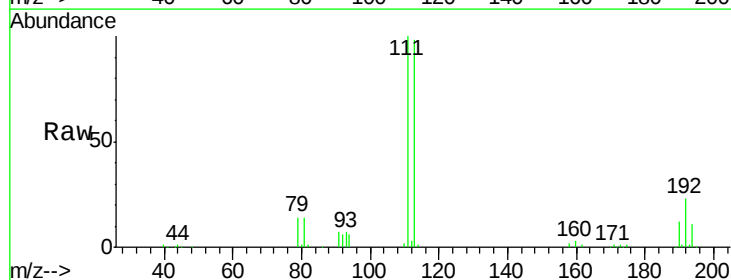


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

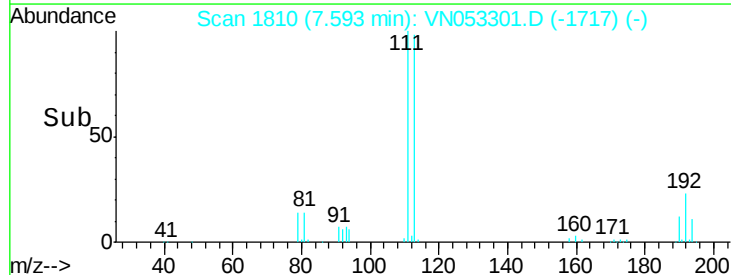
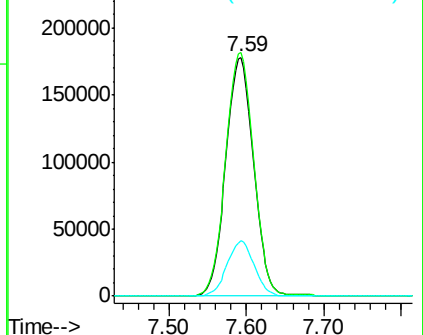


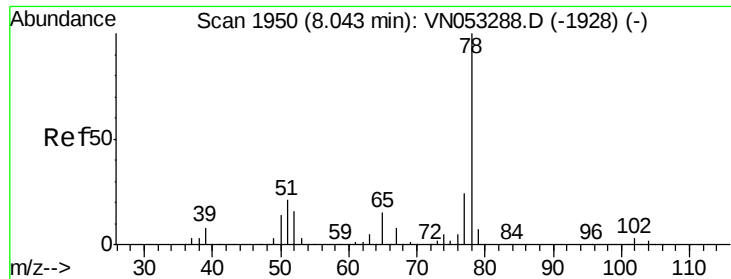
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053301.D
 Acq: 7 Jan 2019 13:41

Tgt Ion:113 Resp: 445220
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.2
 192 22.4 17.9 26.9



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: 2.808 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN053301.D

Acq: 7 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

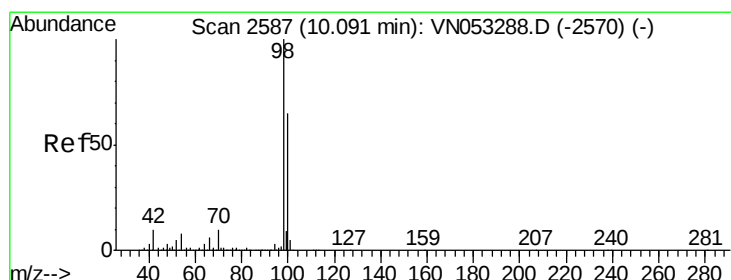
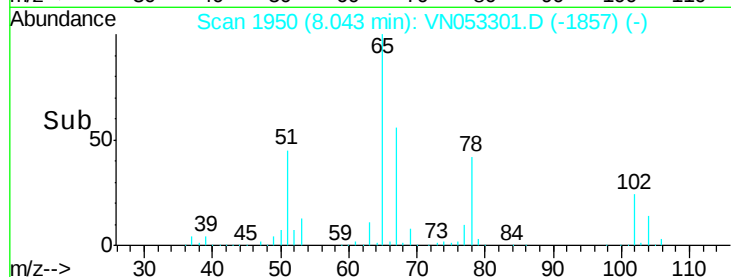
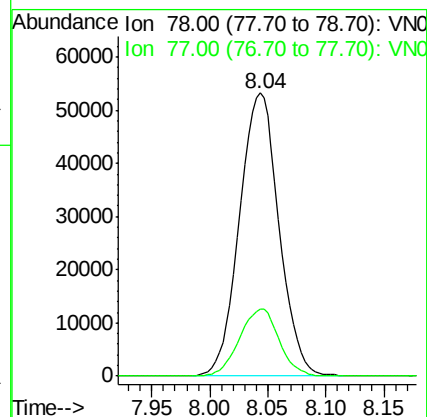
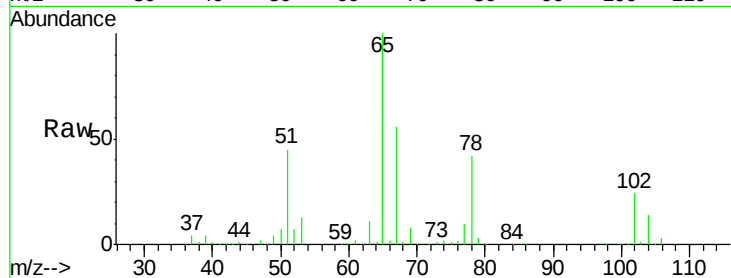
COMP-2-DRUM

Tot Ion: 78 Resp: 125987

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.4



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053301.D

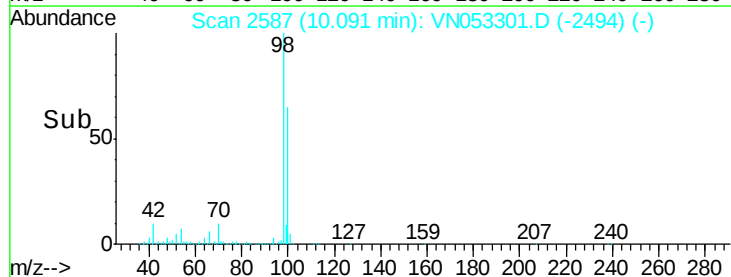
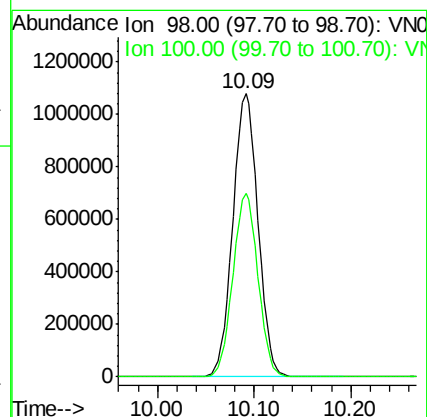
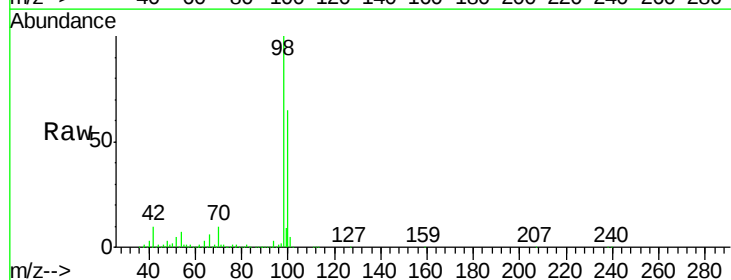
Acq: 7 Jan 2019 13:41

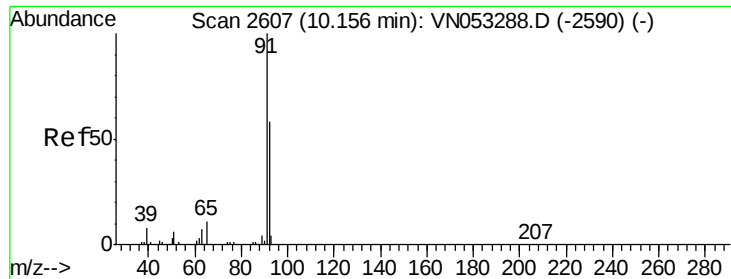
Tgt Ion: 98 Resp: 1952489

Ion Ratio Lower Upper

98 100

100 64.5 51.5 77.3





#52

Toluene

Concen: 2.343 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053301.D

Acq: 7 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

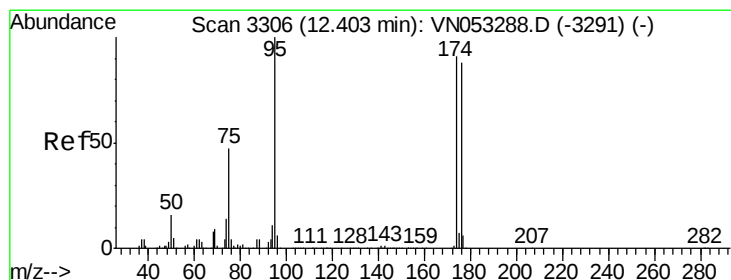
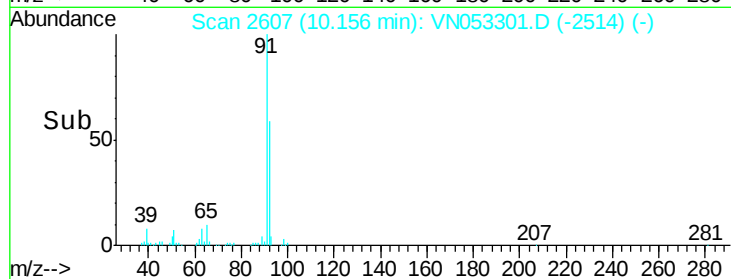
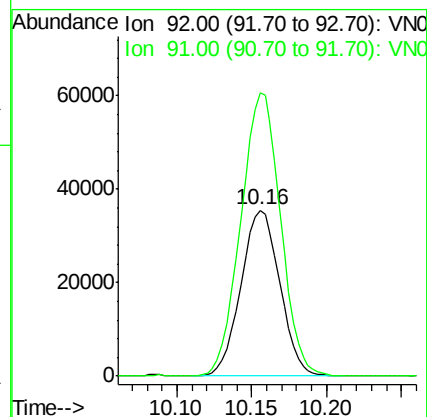
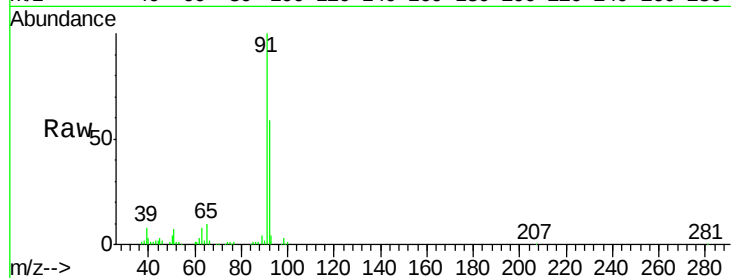
COMP-2-DRUM

Tot Ion: 92 Resp: 64491

Ion Ratio Lower Upper

92 100

91 173.8 138.6 208.0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053301.D

Acq: 7 Jan 2019 13:41

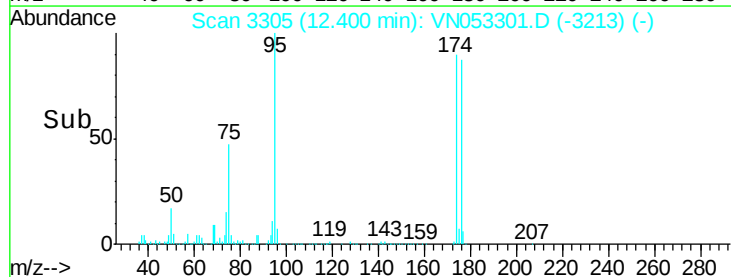
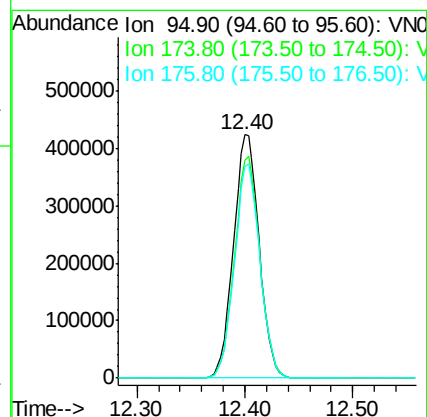
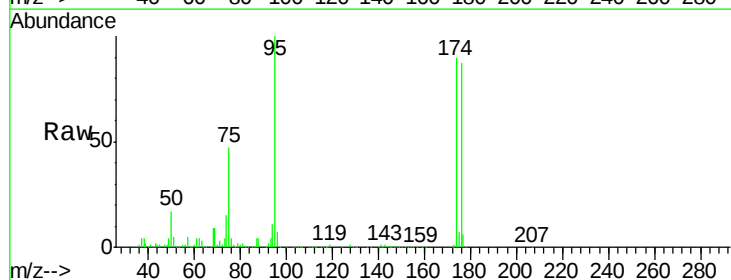
Tgt Ion: 95 Resp: 702239

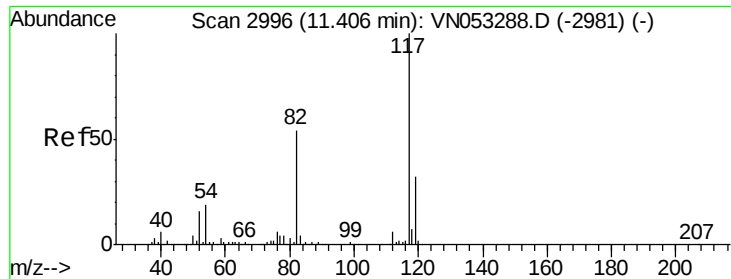
Ion Ratio Lower Upper

95 100

174 90.2 0.0 180.4

176 87.2 0.0 175.6

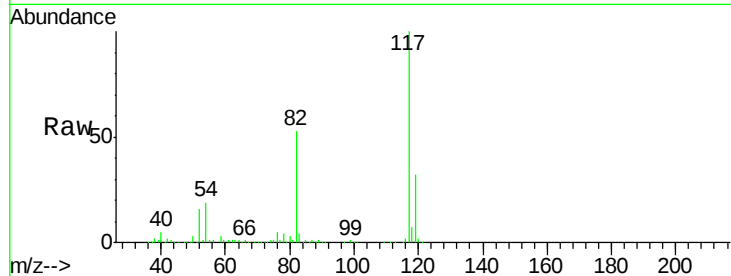




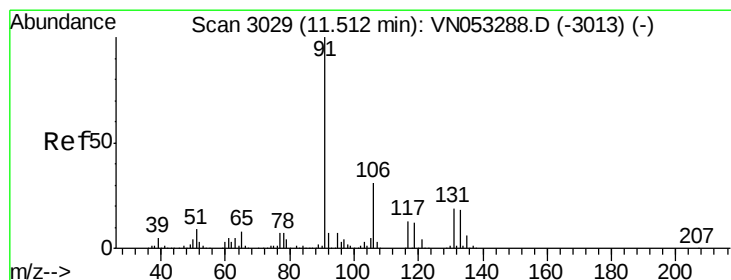
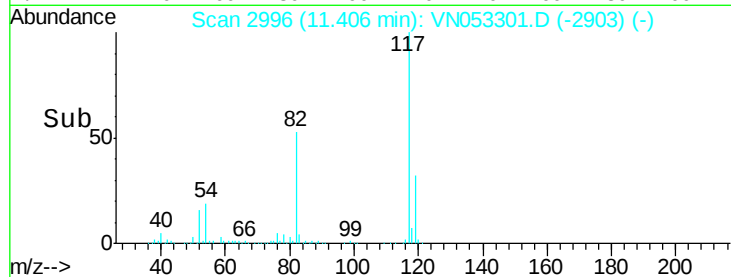
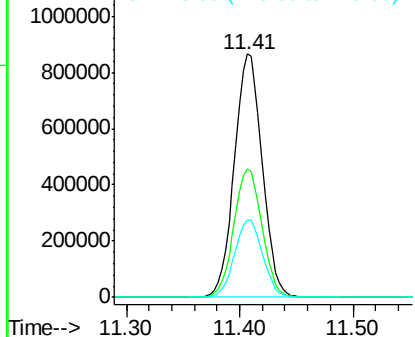
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053301.D
Acq: 7 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
COMP-2-DRUM

Tot Ion:117 Resp: 1482721
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 31.8 25.6 38.4

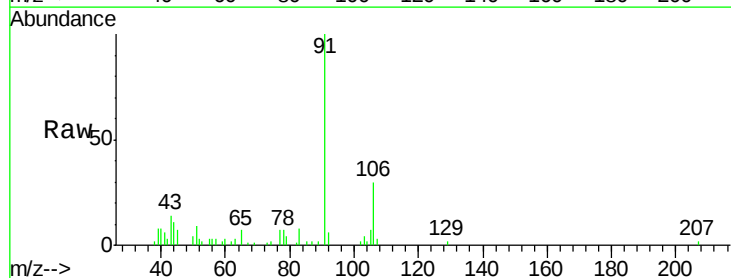


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

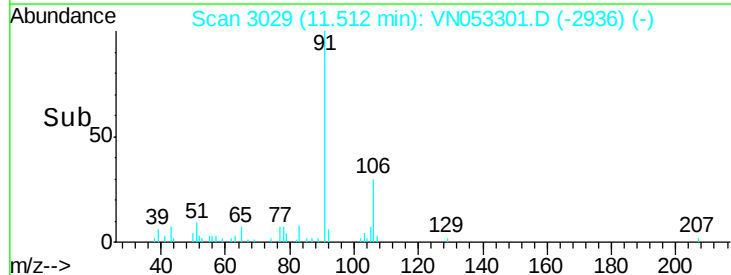
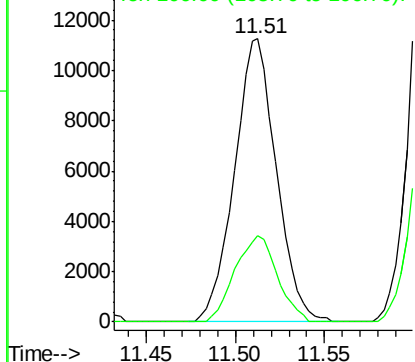


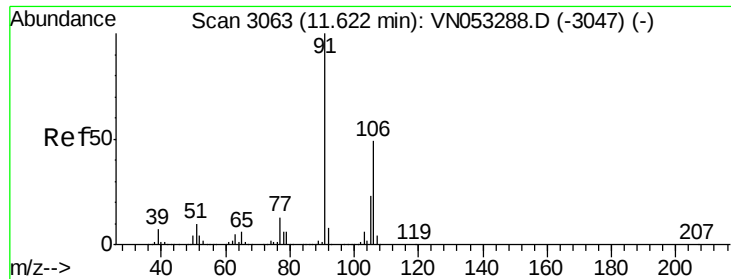
#67
Ethyl Benzene
Concen: 0.336 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053301.D
Acq: 7 Jan 2019 13:41

Tgt Ion: 91 Resp: 18382
Ion Ratio Lower Upper
91 100
106 30.4 25.0 37.4



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

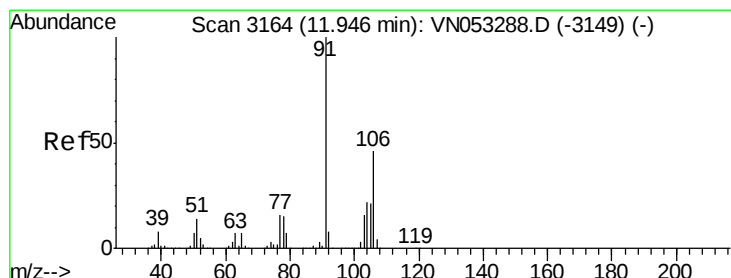
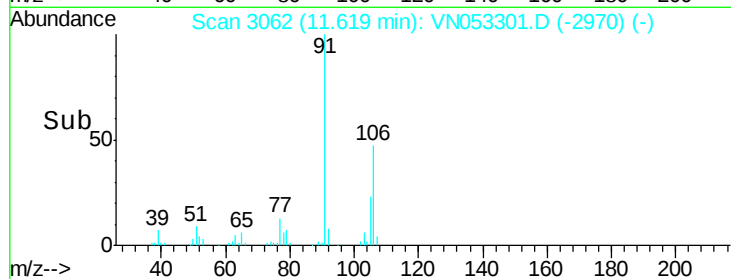
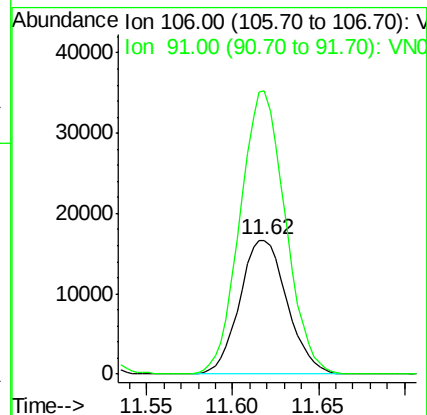
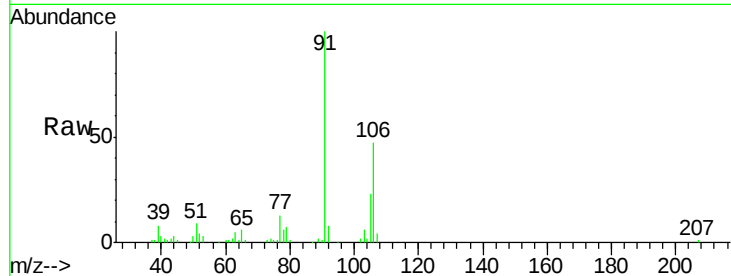




#68
m/p-Xvlenes
Concen: 1.546 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053301.D
Acq: 7 Jan 2019 13:41

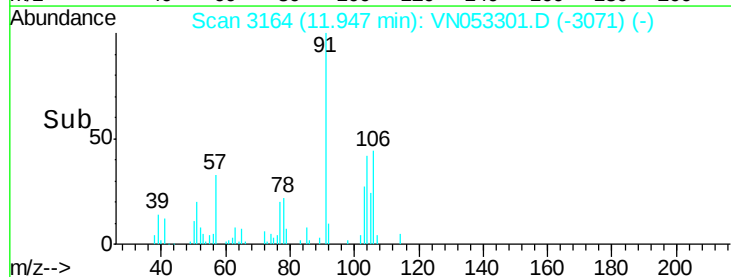
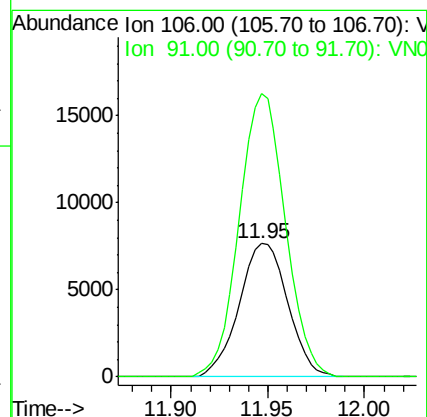
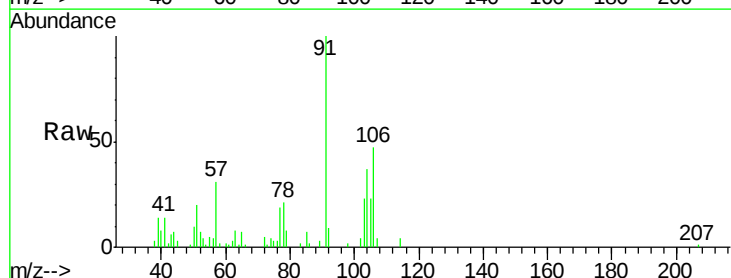
Instrument :
MSVOA_N
ClientSampleId :
COMP-2-DRUM

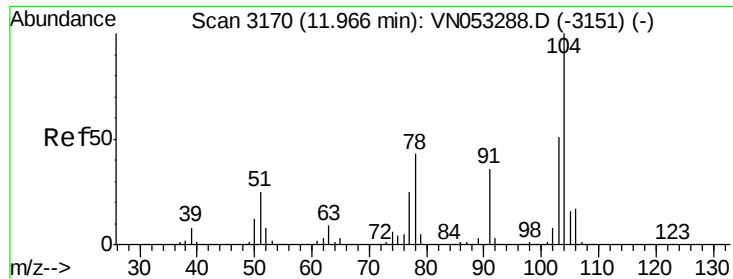
Tot Ion:106 Resp: 31827
Ion Ratio Lower Upper
106 100
91 202.4 161.4 242.2



#69
o-Xylene
Concen: 0.664 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053301.D
Acq: 7 Jan 2019 13:41

Tgt Ion:106 Resp: 13382
Ion Ratio Lower Upper
106 100
91 201.1 106.8 320.4

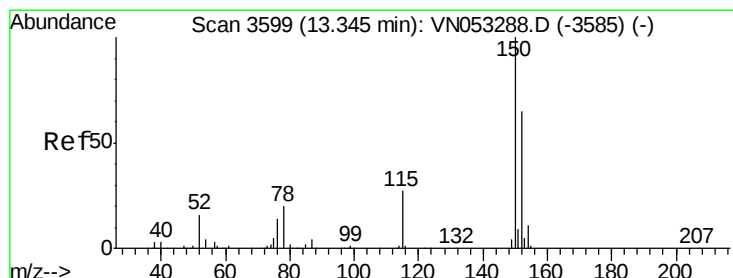
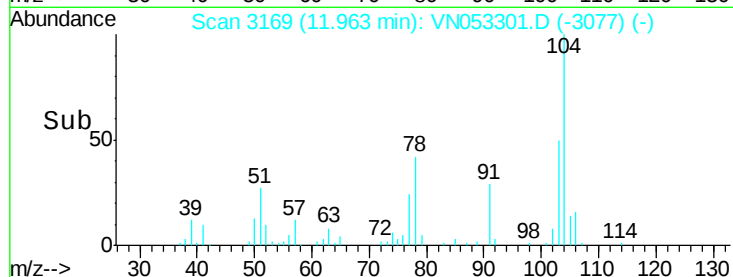
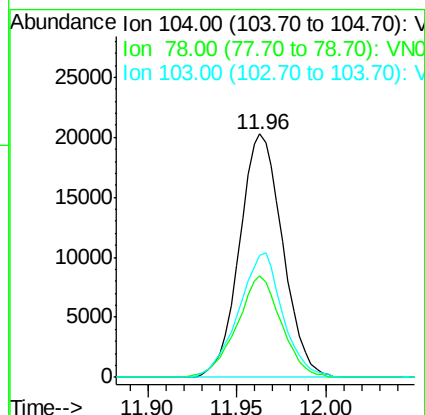
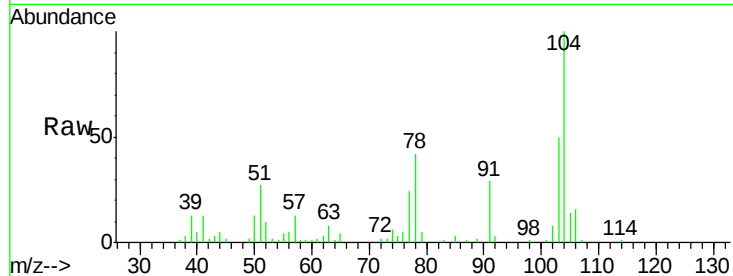




#70
Stvrene
Concen: 1.044 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053301.D
Acq: 7 Jan 2019 13:41

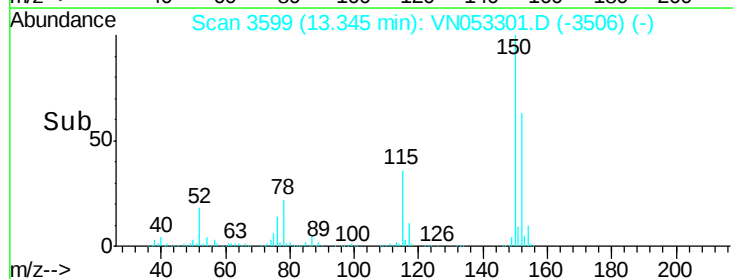
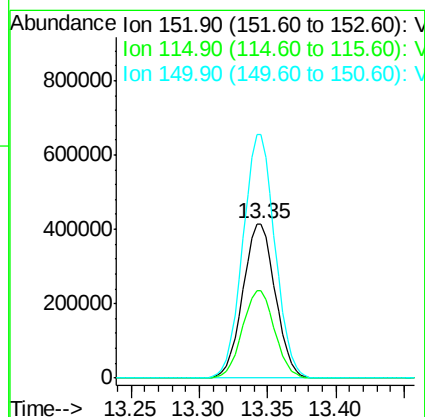
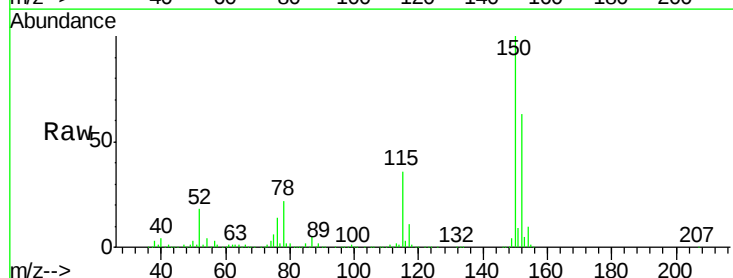
Instrument :
MSVOA_N
ClientSampleId :
COMP-2-DRUM

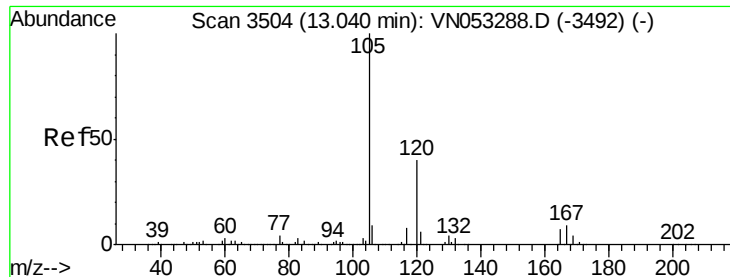
Tot Ion:104 Resp: 34242
Ion Ratio Lower Upper
104 100
78 43.0 38.5 57.7
103 52.5 44.5 66.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053301.D
Acq: 7 Jan 2019 13:41

Tgt Ion:152 Resp: 682590
Ion Ratio Lower Upper
152 100
115 56.7 28.0 84.0
150 156.6 0.0 346.6





#84

1,2,4-Trimethylbenzene

Concen: 0.720 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053301.D

Acq: 7 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

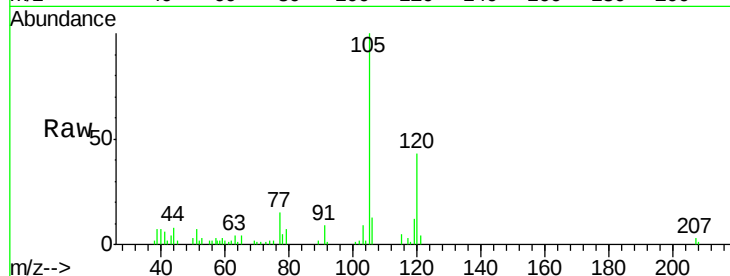
COMP-2-DRUM

Tot Ion:105 Resp: 30010

Ion Ratio Lower Upper

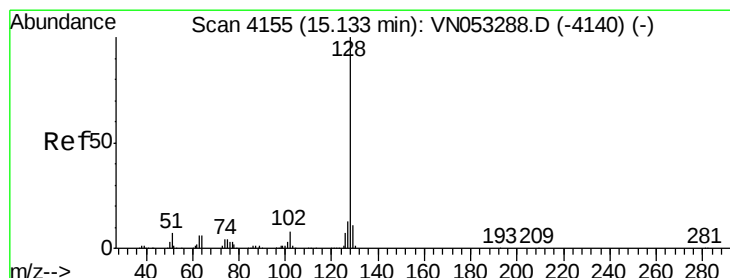
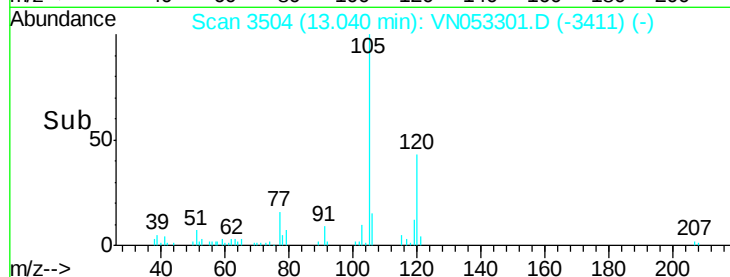
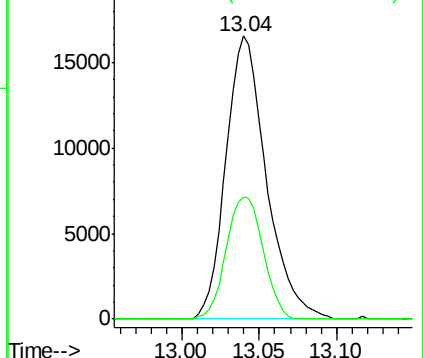
105 100

120 39.3 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 2.988 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053301.D

Acq: 7 Jan 2019 13:41

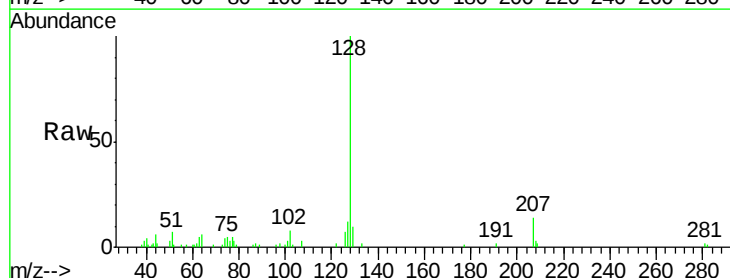
Tgt Ion:128 Resp: 35856

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 11.2 8.7 13.1



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

