

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054752.D
 Acq On : 28 Mar 2019 18:36
 Operator : JC/SP
 Sample : K2093-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DL-2-COMP

Quant Time: Mar 29 07:37:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	555115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	895234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	757867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	303601	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	351074	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	7.59	113	276099	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	10.09	98	1061910	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	343001	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	

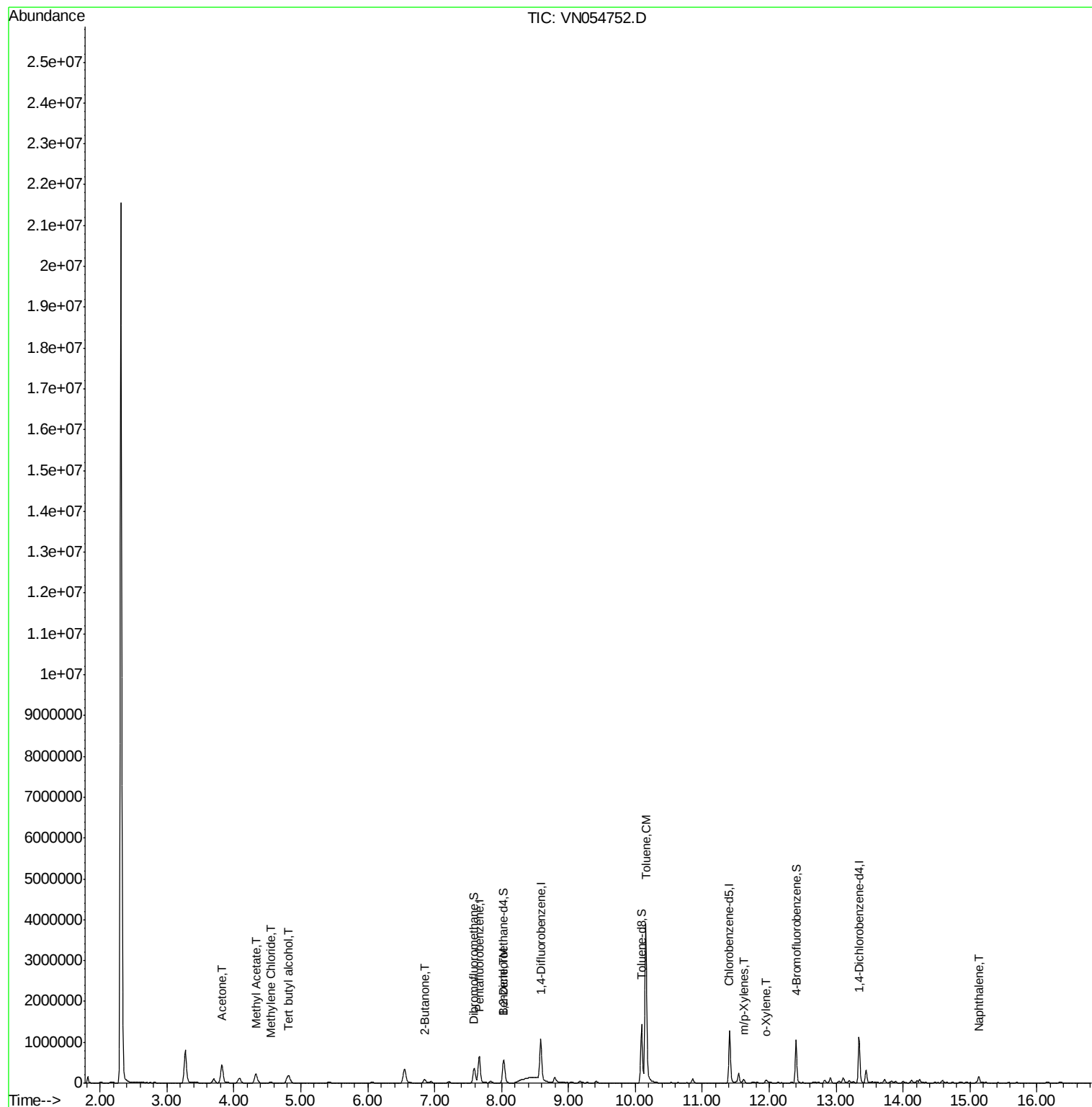
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	315302	754.259	ug/l	99
16) Acetone	3.82	43	738518	355.755	ug/l #	80
18) Methyl Acetate	4.33	43	445995	96.390	ug/l #	88
20) Methylene Chloride	4.55	84	11801	1.928	ug/l #	79
25) 2-Butanone	6.85	43	148226	55.740	ug/l #	87
40) Benzene	8.04	78	209336	8.746	ug/l	100
52) Toluene	10.16	92	1757345	119.371	ug/l	100
68) m/p-Xylenes	11.62	106	28157	2.730	ug/l	97
69) o-Xylene	11.95	106	12817	1.273	ug/l	99
95) Naphthalene	15.13	128	136135	12.571	ug/l	99

(#) = 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: VN054752.D

Acq: 28 Mar 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

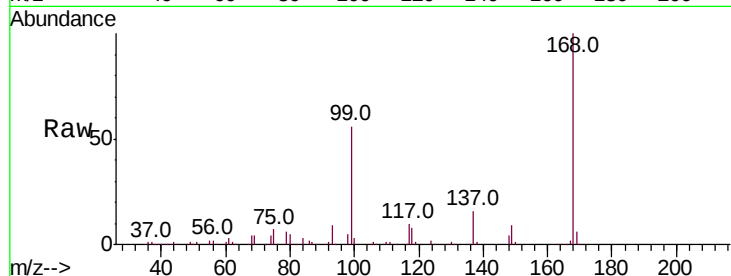
DL-2-COMP

Tot Ion:168 Resp: 555115

Ion Ratio Lower Upper

168 100

99 56.1 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

200000

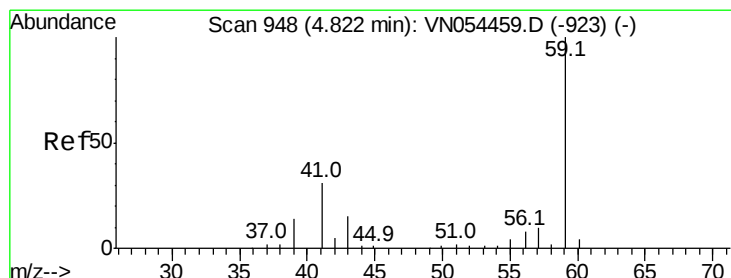
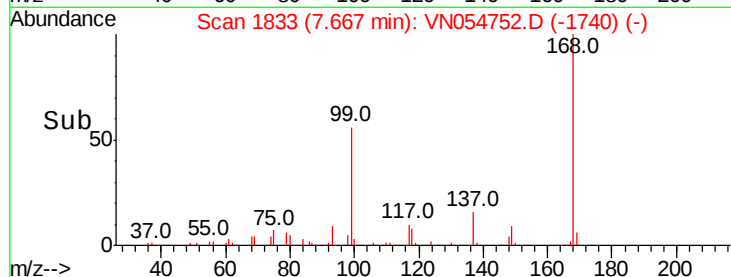
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 754.259 ug/l

RT: 4.81 min Scan# 945

Delta R.T. -0.01 min

Lab File: VN054752.D

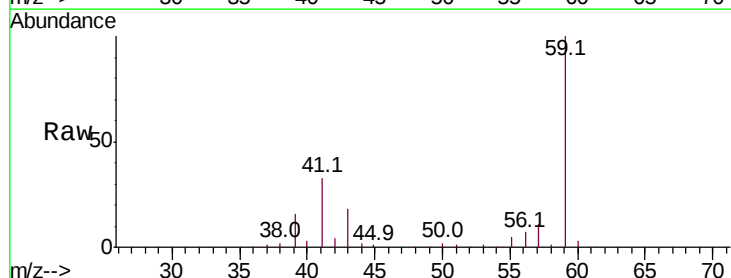
Acq: 28 Mar 2019 18:36

Tgt Ion: 59 Resp: 315302

Ion Ratio Lower Upper

59 100

57 10.9 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.81

100000

80000

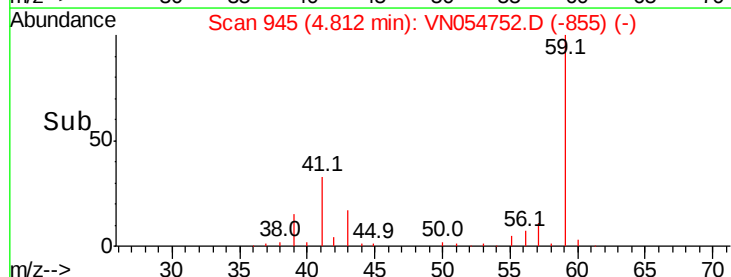
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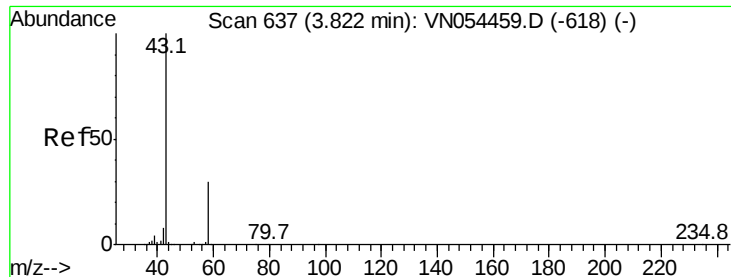
40000

20000

0

Time-->





#16

Acetone

Concen: 355.755 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054752.D

Acq: 28 Mar 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

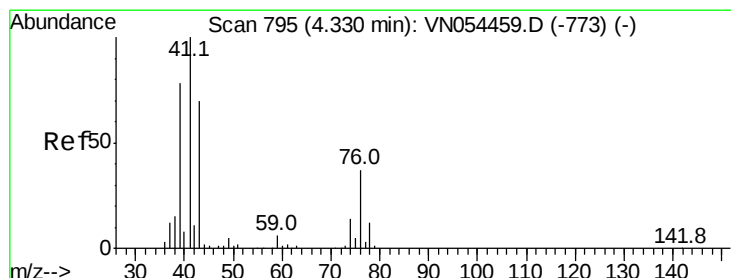
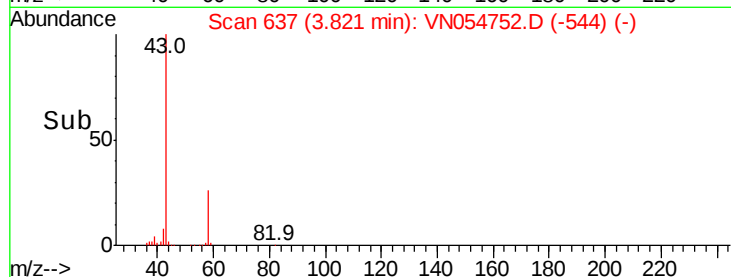
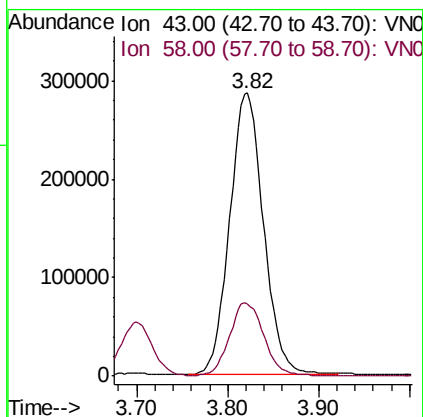
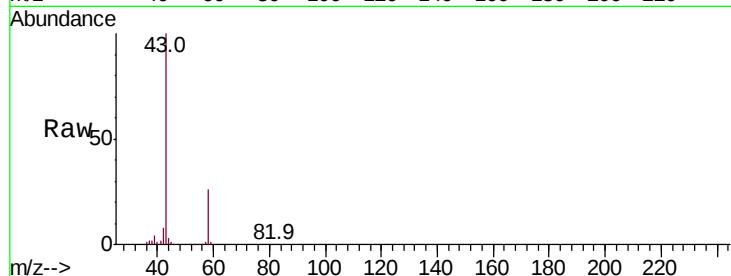
DL-2-COMP

Tot Ion: 43 Resp: 738518

Ion Ratio Lower Upper

43 100

58 25.7 29.9 44.9#



#18

Methyl Acetate

Concen: 96.390 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054752.D

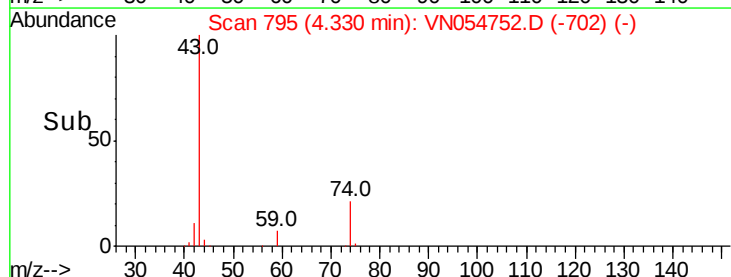
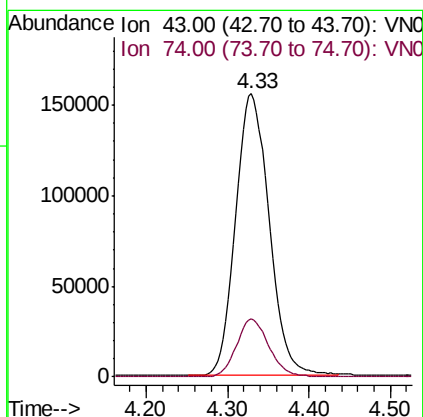
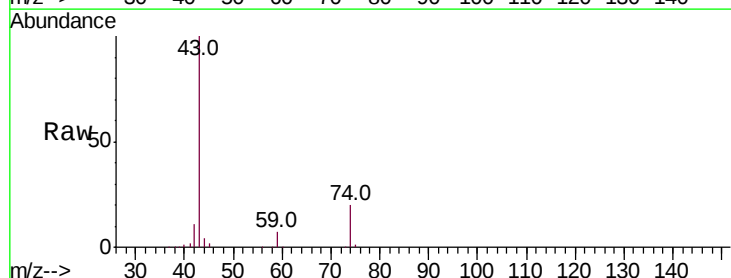
Acq: 28 Mar 2019 18:36

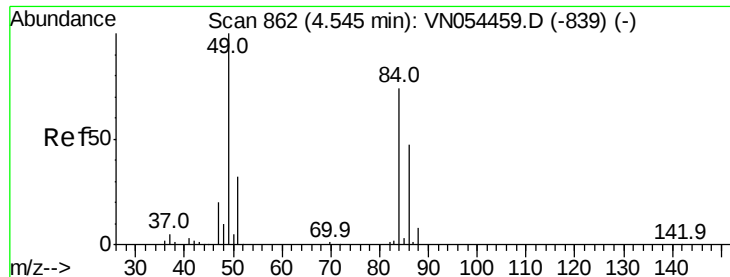
Tgt Ion: 43 Resp: 445995

Ion Ratio Lower Upper

43 100

74 19.8 20.8 31.2#

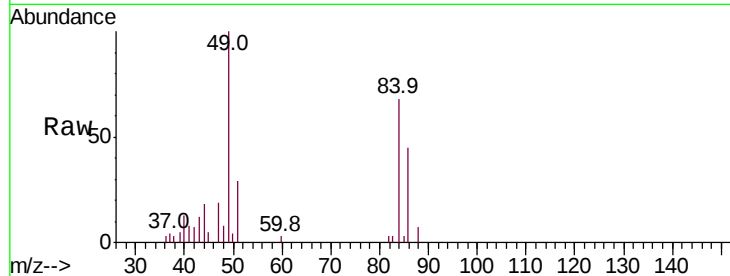




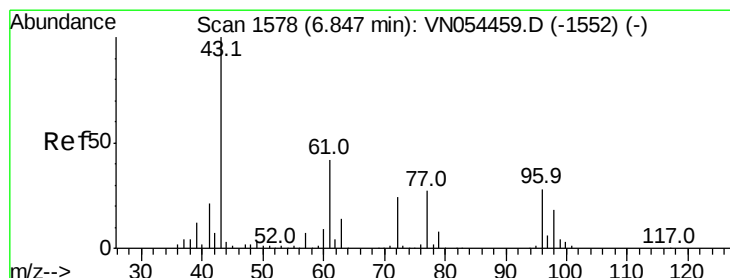
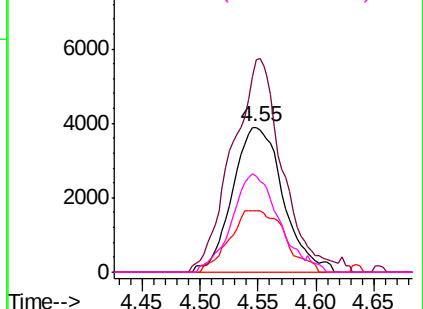
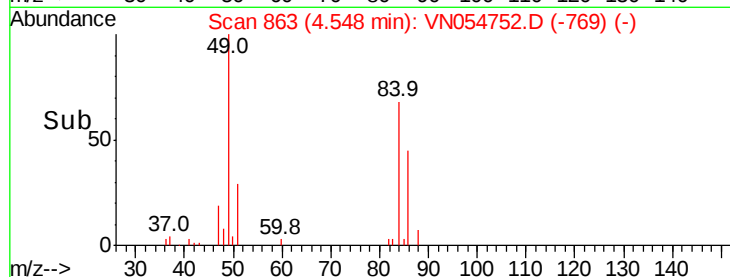
#20
Methylene Chloride
Concen: 1.928 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054752.D
Acq: 28 Mar 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :
DL-2-COMP

Tot Ion: 84 Resp: 11801
Ion Ratio Lower Upper
84 100
49 146.9 89.7 134.5#
51 42.9 28.2 42.4#
86 66.5 50.8 76.2

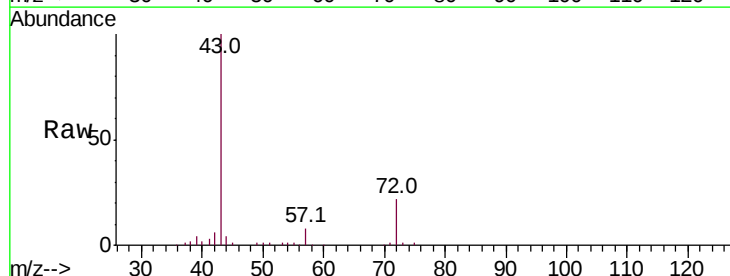


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

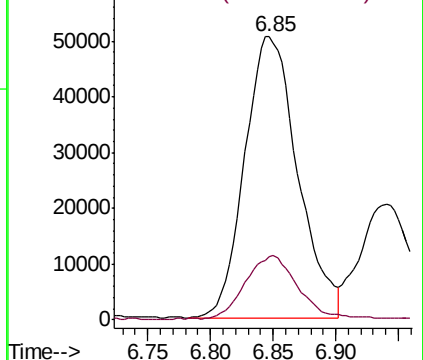
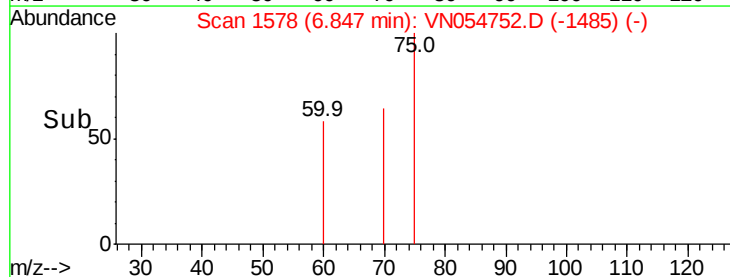


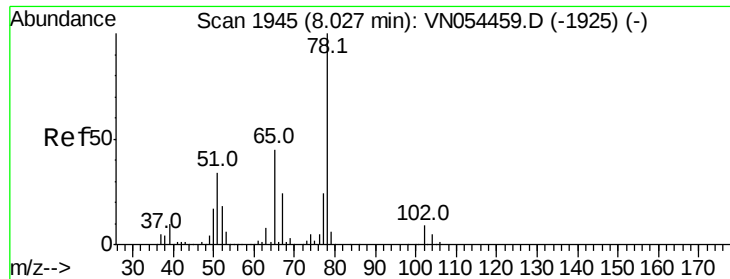
#25
2-Butanone
Concen: 55.740 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054752.D
Acq: 28 Mar 2019 18:36

Tgt Ion: 43 Resp: 148226
Ion Ratio Lower Upper
43 100
72 22.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

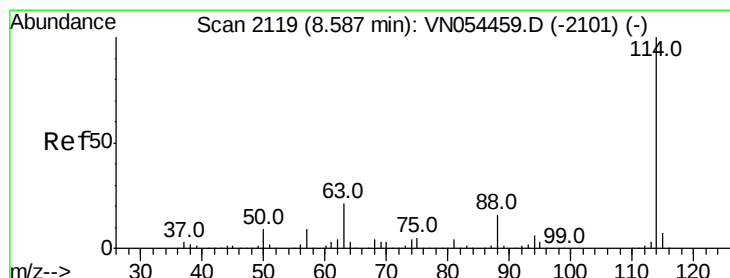
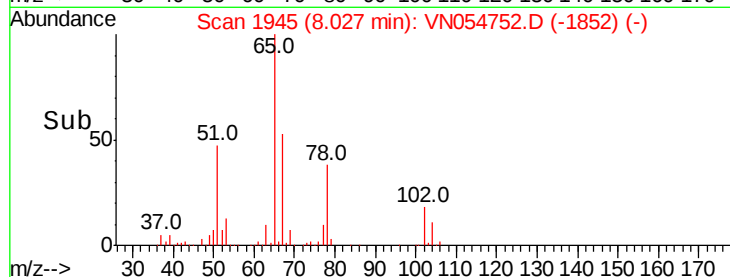
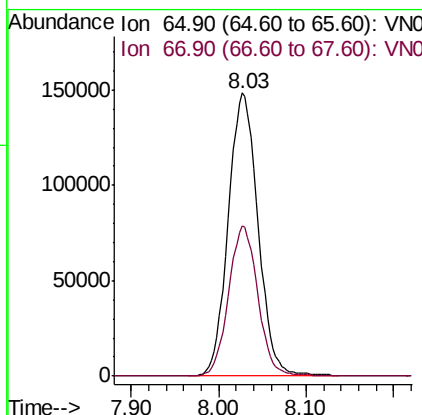
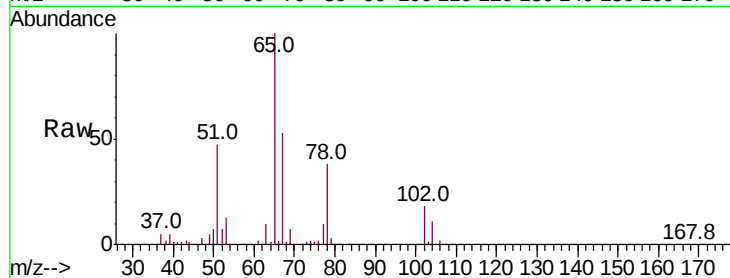




#33
 1,2-Dichloroethane-d4
 Concen: 50.845 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054752.D
 Acq: 28 Mar 2019 18:36

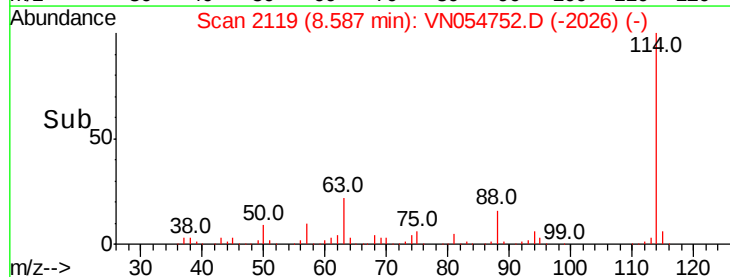
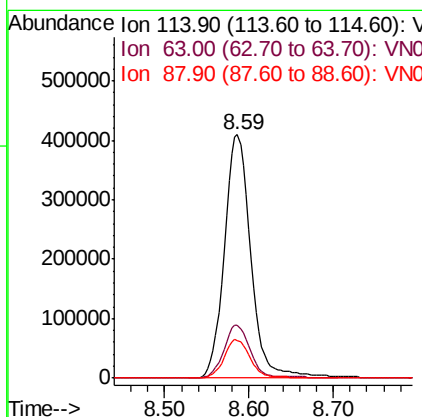
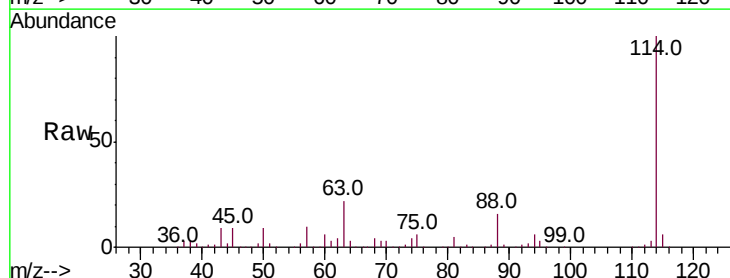
Instrument :
 MSVOA_N
 ClientSampleId :
 DL-2-COMP

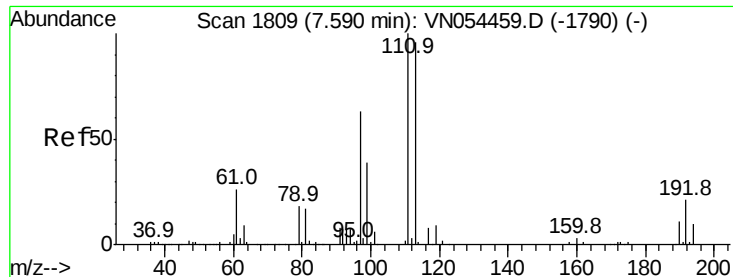
Tot Ion: 65 Resp: 351074
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054752.D
 Acq: 28 Mar 2019 18:36

Tgt Ion: 114 Resp: 895234
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 35.2
 88 15.5 0.0 30.2

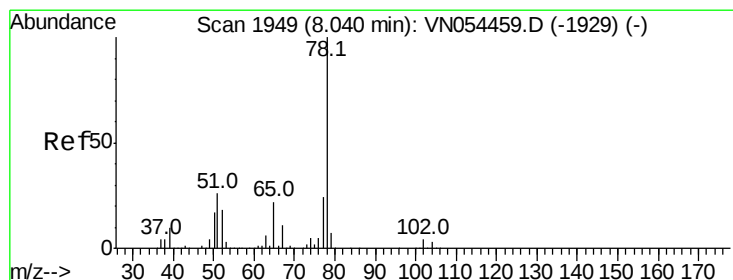
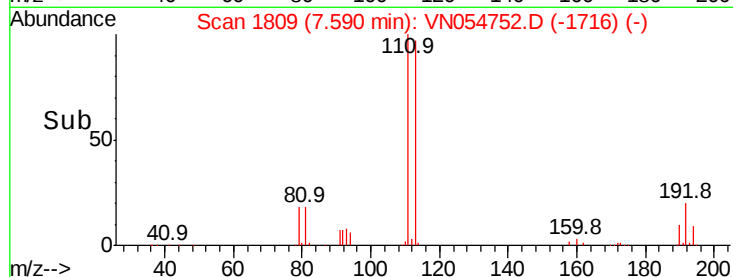
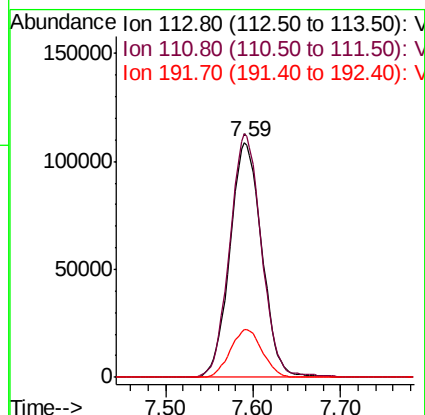
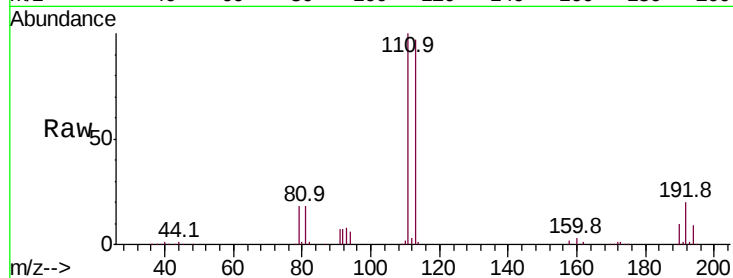




#35
 Dibromofluoromethane
 Concen: 47.871 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054752.D
 Acq: 28 Mar 2019 18:36

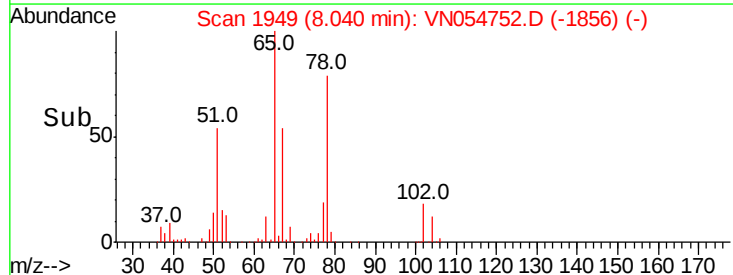
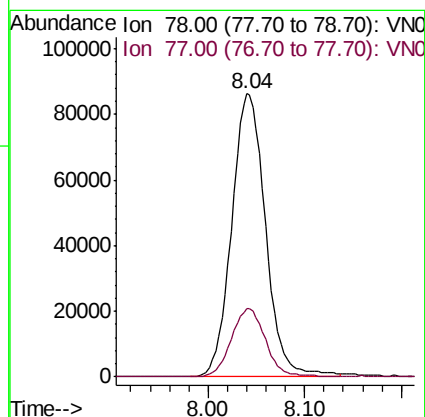
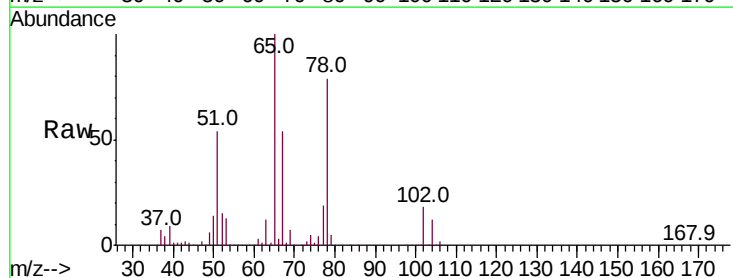
Instrument :
 MSVOA_N
 ClientSampleId :
 DL-2-COMP

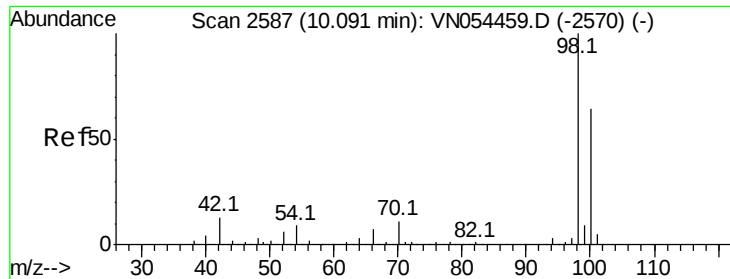
Tot Ion:113 Resp: 276099
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.4
 192 20.4 19.2 28.8



#40
 Benzene
 Concen: 8.746 ug/l
 RT: 8.04 min Scan# 1949
 Delta R.T. -0.00 min
 Lab File: VN054752.D
 Acq: 28 Mar 2019 18:36

Tgt Ion: 78 Resp: 209336
 Ion Ratio Lower Upper
 78 100
 77 24.1 19.1 28.7





#50

Toluene-d8

Concen: 48.976 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054752.D

Acq: 28 Mar 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

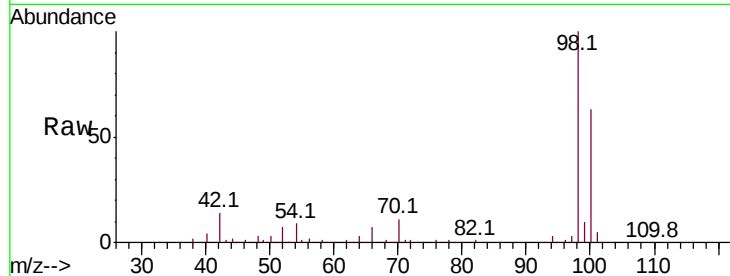
DL-2-COMP

Tot Ion: 98 Resp: 1061910

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

10.09

600000

500000

400000

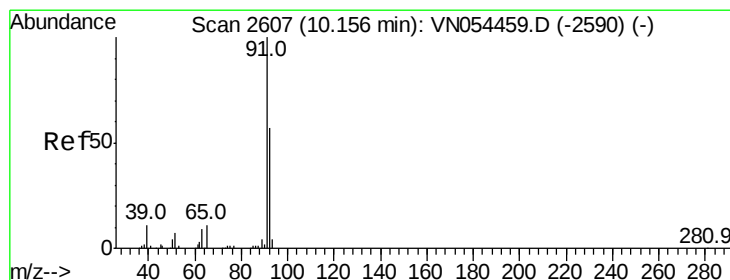
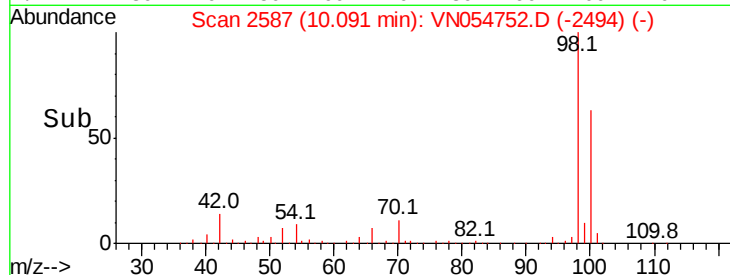
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 119.371 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054752.D

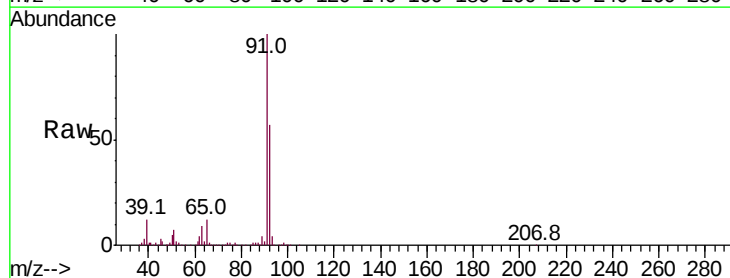
Acq: 28 Mar 2019 18:36

Tgt Ion: 92 Resp: 1757345

Ion Ratio Lower Upper

92 100

91 175.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-2590) (-)

10.16

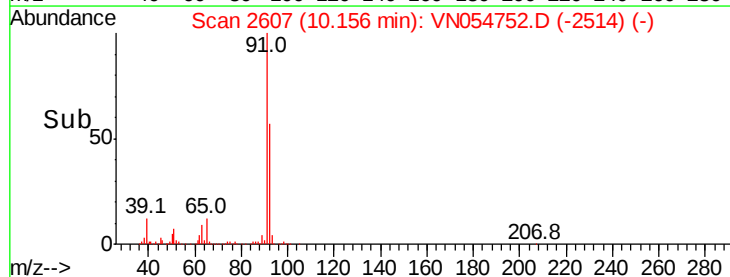
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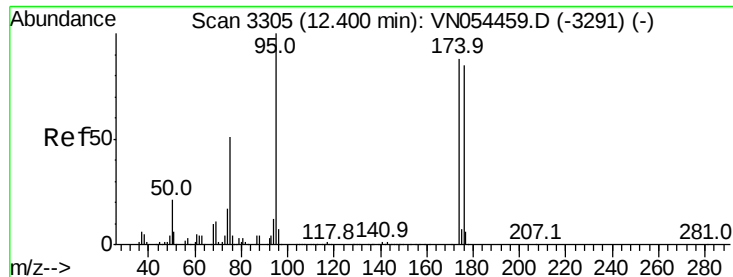
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500000

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Time-->





#62

4-Bromofluorobenzene

Concen: 46.489 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054752.D

Acq: 28 Mar 2019 18:36

Instrument :

MSVOA_N

ClientSampled :

DL-2-COMP

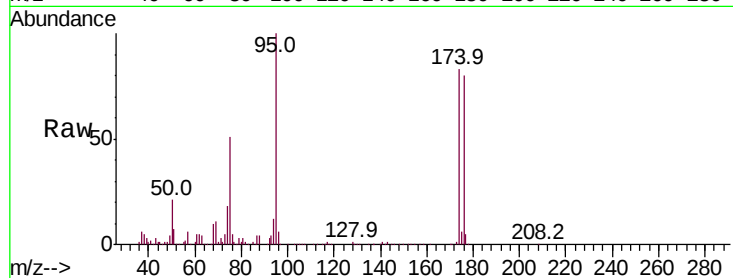
Tot Ion: 95 Resp: 343001

Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

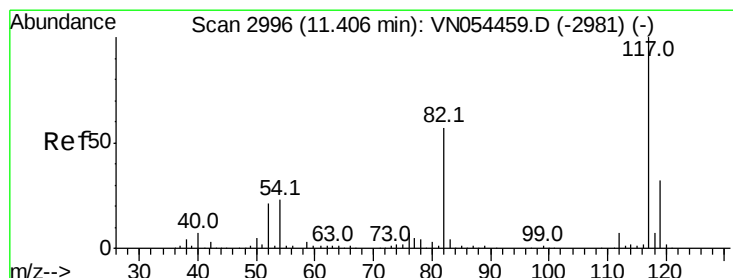
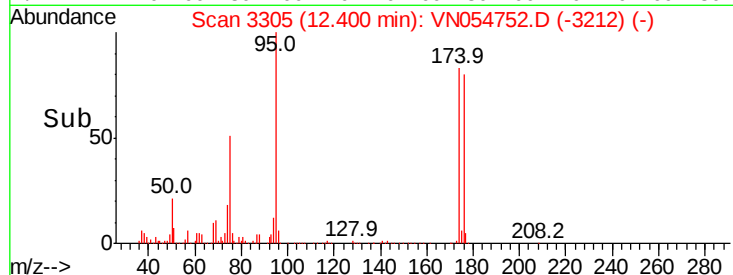
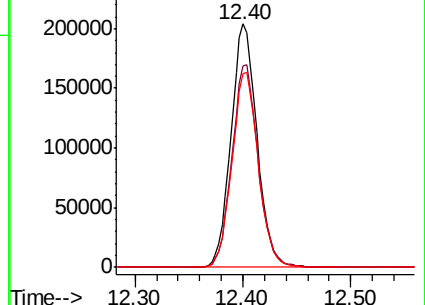
176 81.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054752.D

Acq: 28 Mar 2019 18:36

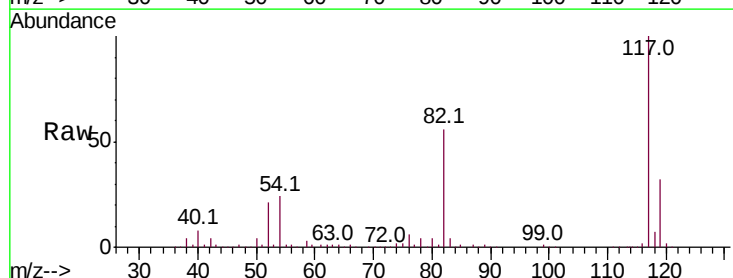
Tgt Ion: 117 Resp: 757867

Ion Ratio Lower Upper

117 100

82 56.1 40.0 60.0

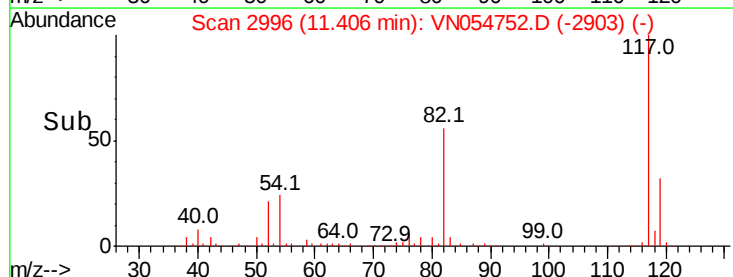
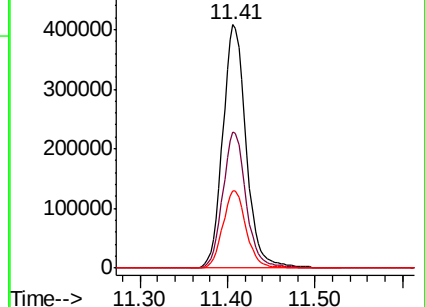
119 31.8 25.8 38.6

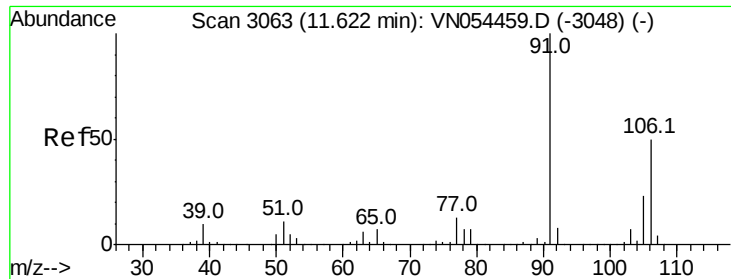


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)

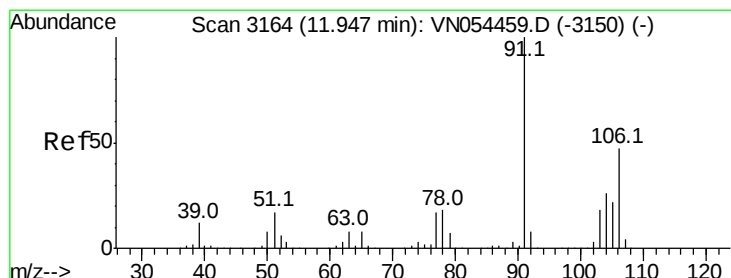
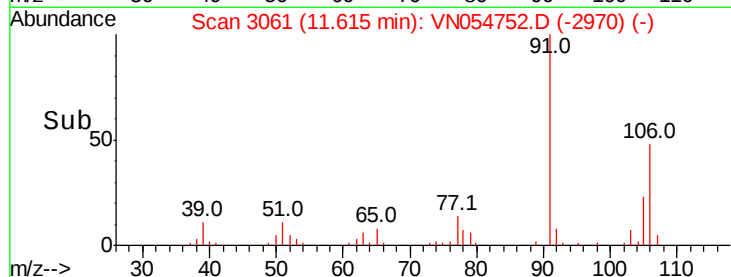
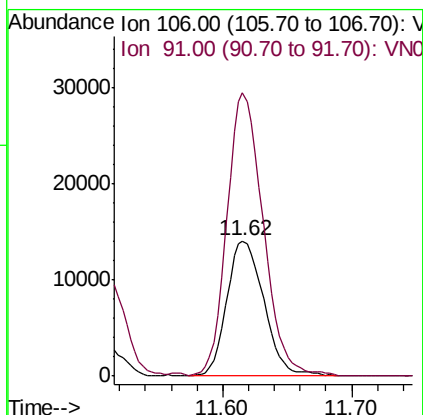
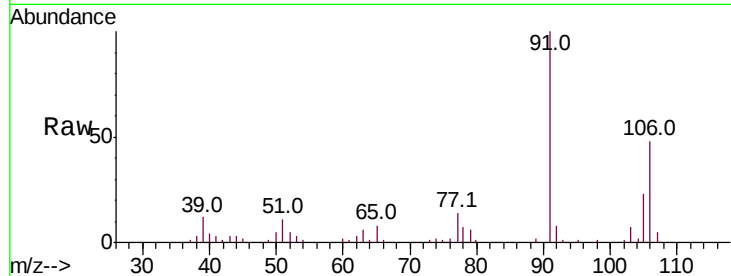




#68
m/p-Xylenes
Concen: 2.730 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054752.D
Acq: 28 Mar 2019 18:36

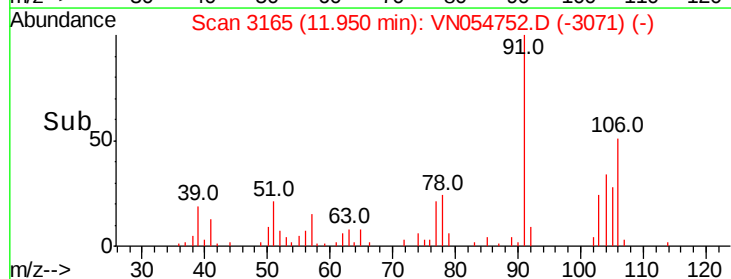
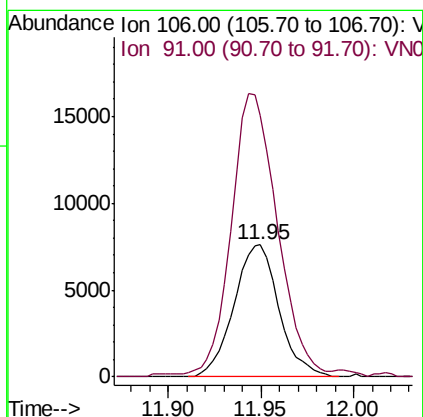
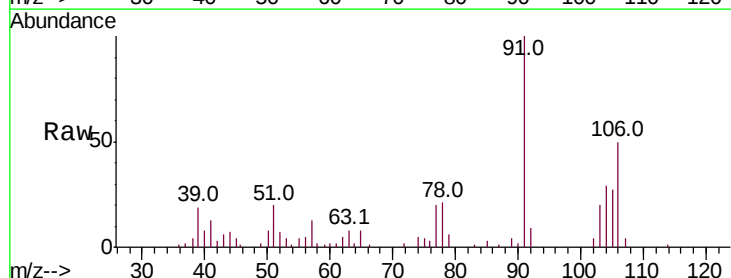
Instrument :
MSVOA_N
ClientSampled :
DL-2-COMP

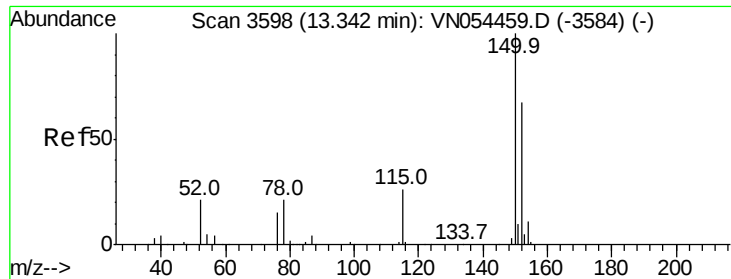
Tot Ion:106 Resp: 28157
Ion Ratio Lower Upper
106 100
91 204.6 159.4 239.2



#69
o-Xylene
Concen: 1.273 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054752.D
Acq: 28 Mar 2019 18:36

Tgt Ion:106 Resp: 12817
Ion Ratio Lower Upper
106 100
91 212.8 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054752.D

Acq: 28 Mar 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

DL-2-COMP

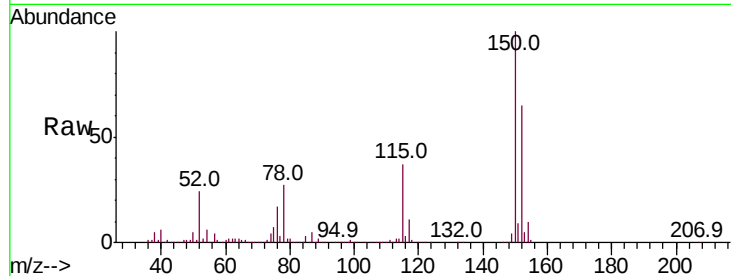
Tot Ion:152 Resp: 303601

Ion Ratio Lower Upper

152 100

115 58.4 27.2 81.6

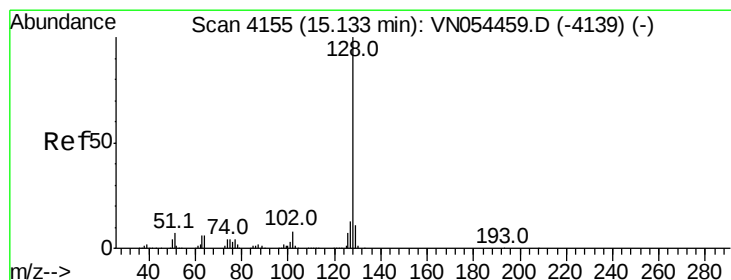
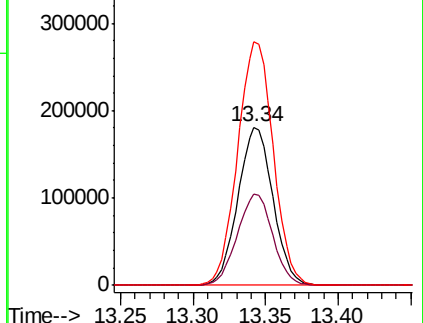
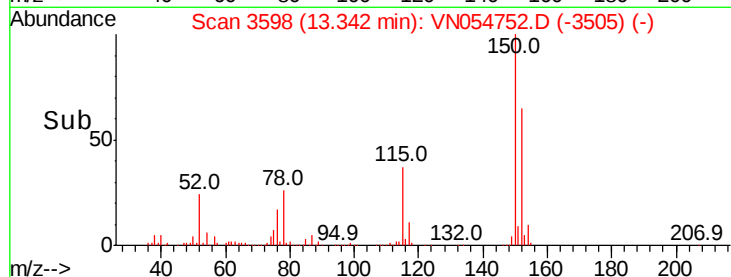
150 156.5 0.0 349.2



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



#95

Naphthalene

Concen: 12.571 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054752.D

Acq: 28 Mar 2019 18:36

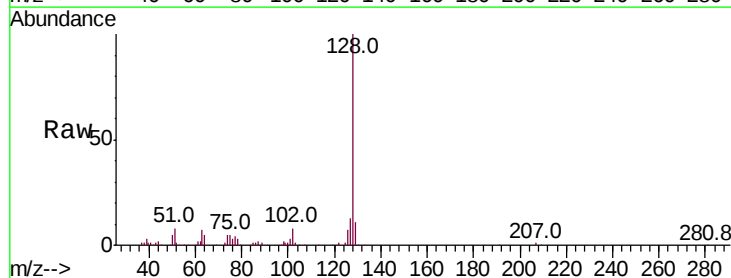
Tgt Ion:128 Resp: 136135

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 10.6 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

