

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053595.D
 Acq On : 4 Feb 2019 14:36
 Operator : JC/SP
 Sample : K1299-05
 Misc : 5.01µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 0038-AMND-COMP-1

Quant Time: Feb 05 01:26:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	748616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1177627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1090074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	500434	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	368202	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
35) Dibromofluoromethane	7.59	113	353187	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	10.09	98	1437686	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.40	95	494864	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	

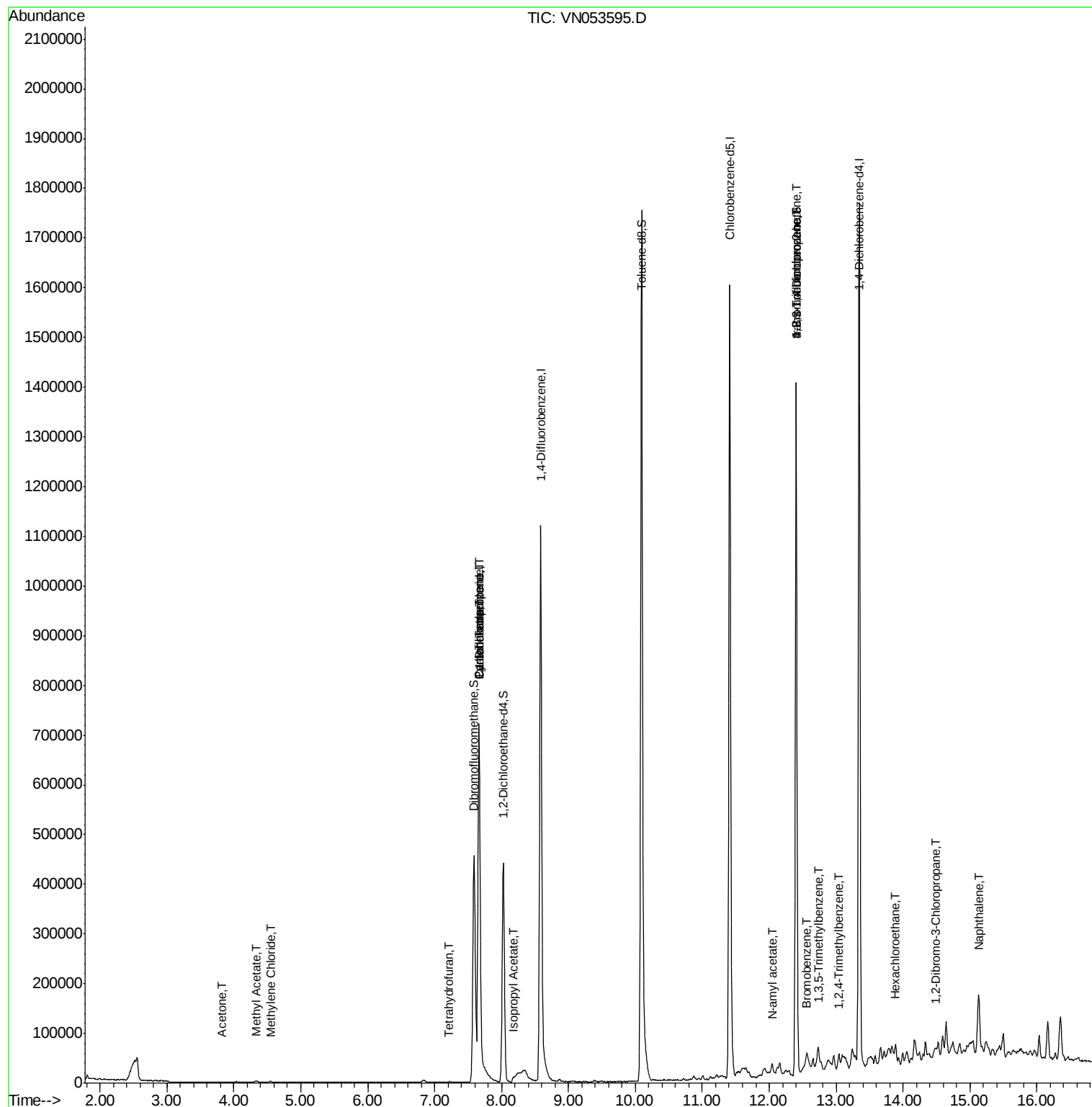
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	1562	0.811	ug/l	91
18) Methyl Acetate	4.33	43	6756	1.184	ug/l #	66
20) Methylene Chloride	4.55	84	1633	0.202	ug/l #	81
29) Tetrahydrofuran	7.22	42	1643	0.931	ug/l #	59
31) Cyclohexane	7.67	56	10199	0.636	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	43227	4.072	ug/l #	48
38) Carbon Tetrachloride	7.66	117	60148	5.624	ug/l #	17
43) Isopropyl Acetate	8.18	43	6813	0.595	ug/l #	51
74) N-amyl acetate	12.05	43	4057	0.480	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	230209	35.815	ug/l #	100
77) Bromobenzene	12.56	156	36835	3.885	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	8529	0.292	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	230209	100.708	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	15447	0.520	ug/l	99
90) Hexachloroethane	13.89	117	1507	0.298	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.49	75	688	0.573	ug/l #	4
95) Naphthalene	15.13	128	99730	6.115	ug/l	100

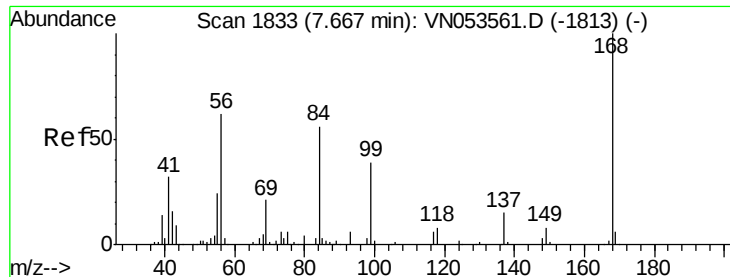
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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0038-AMND-COMP-1

Quant Time: Feb 05 01:26:45 2019
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

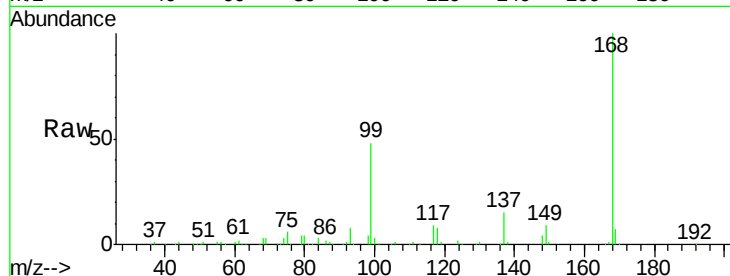
0038-AMND-COMP-1

Tot Ion:168 Resp: 748616

Ion Ratio Lower Upper

168 100

99 48.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053595.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053595.D (-1740) (-)

7.66

250000

200000

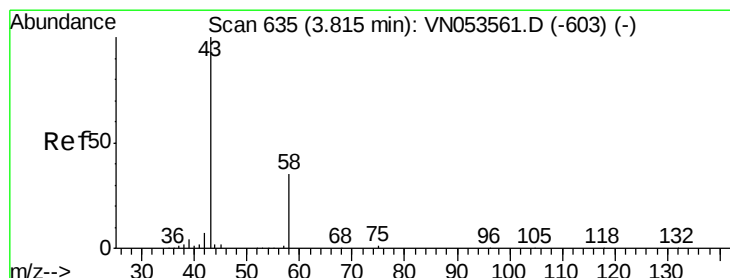
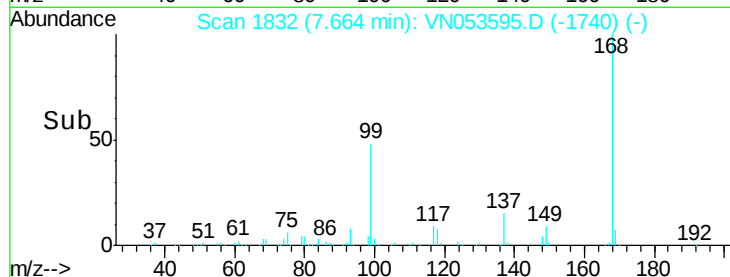
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.811 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN053595.D

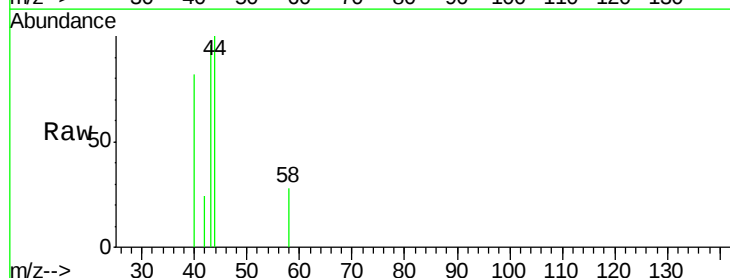
Acq: 4 Feb 2019 14:36

Tgt Ion: 43 Resp: 1562

Ion Ratio Lower Upper

43 100

58 28.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053595.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053595.D (-542) (-)

3.83

800

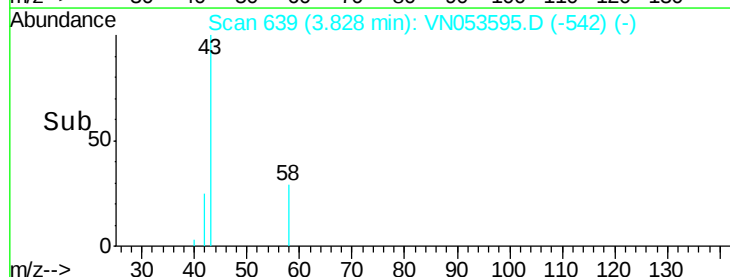
600

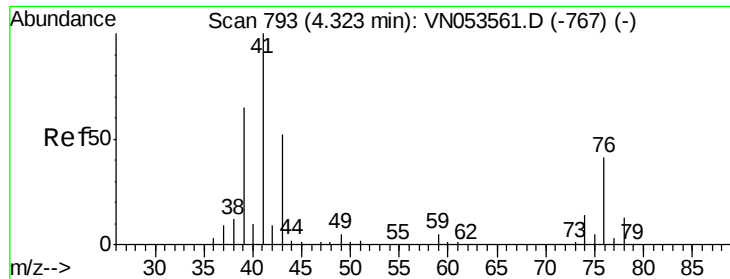
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200

0

Time-->

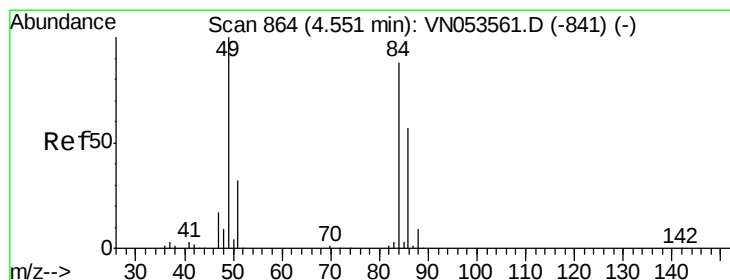
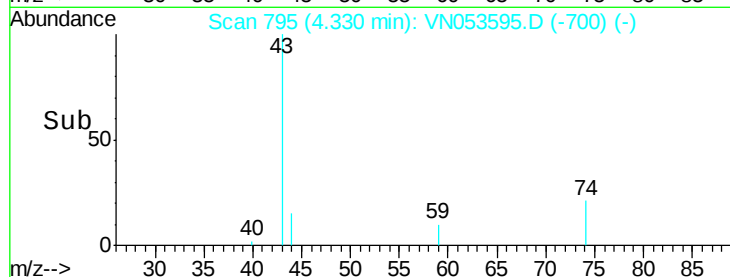
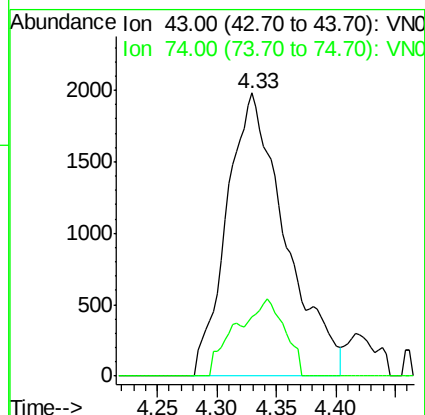
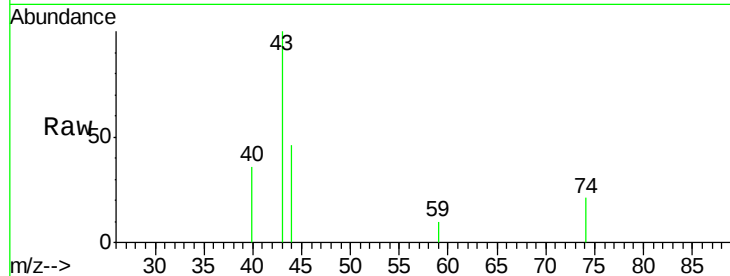




#18
Methyl Acetate
Concen: 1.184 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053595.D
Acq: 4 Feb 2019 14:36

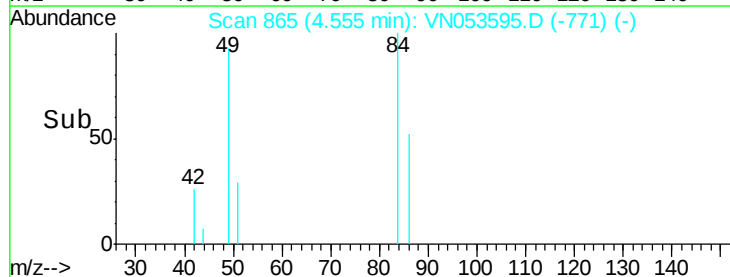
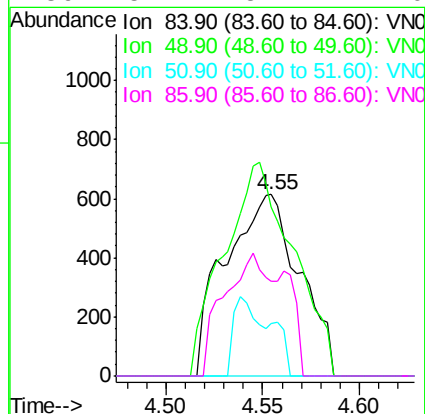
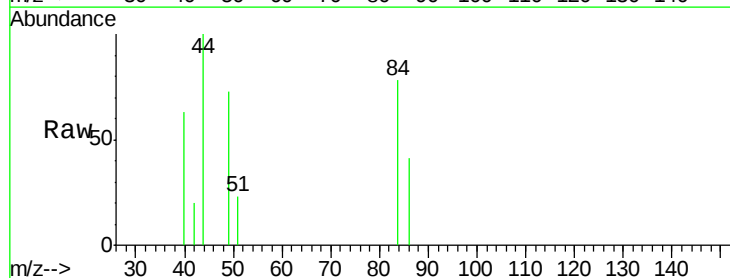
Instrument :
MSVOA_N
ClientSampleId :
0038-AMND-COMP-1

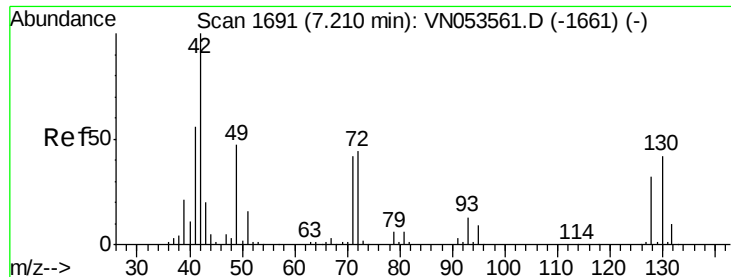
Tot Ion: 43 Resp: 6756
Ion Ratio Lower Upper
43 100
74 7.2 19.4 29.2#



#20
Methylene Chloride
Concen: 0.202 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053595.D
Acq: 4 Feb 2019 14:36

Tgt Ion: 84 Resp: 1633
Ion Ratio Lower Upper
84 100
49 92.7 94.3 141.5#
51 28.8 29.4 44.2#
86 52.4 51.4 77.0





#29

Tetrahydrofuran

Concen: 0.931 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

0038-AMND-COMP-1

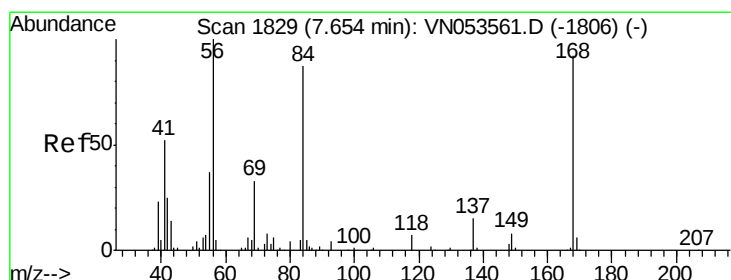
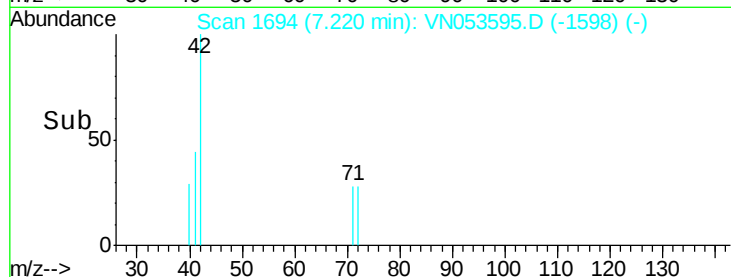
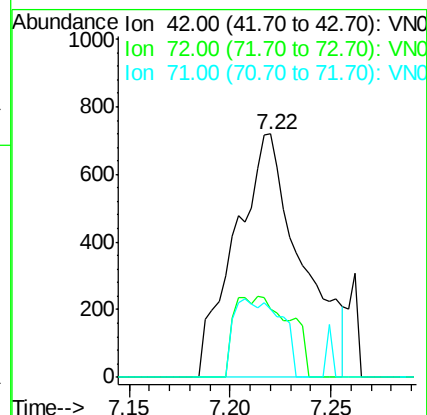
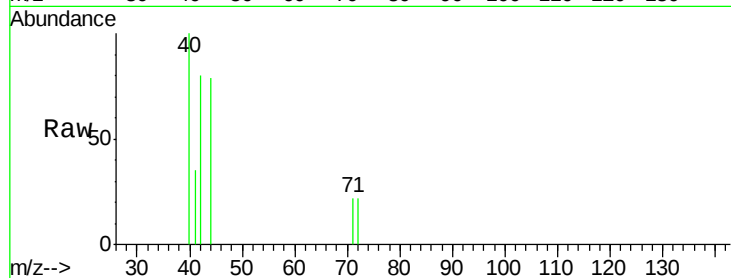
Tot Ion: 42 Resp: 1643

Ion Ratio Lower Upper

42 100

72 10.2 35.2 52.8#

71 23.3 33.0 49.4#



#31

Cyclohexane

Concen: 0.636 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

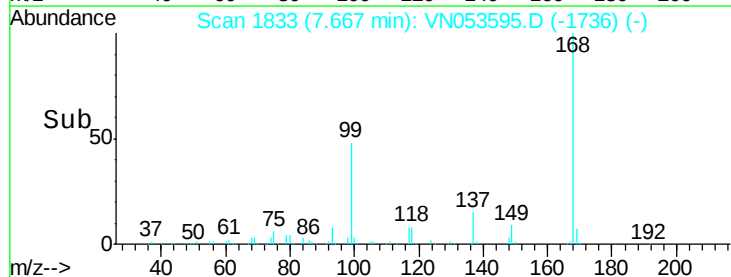
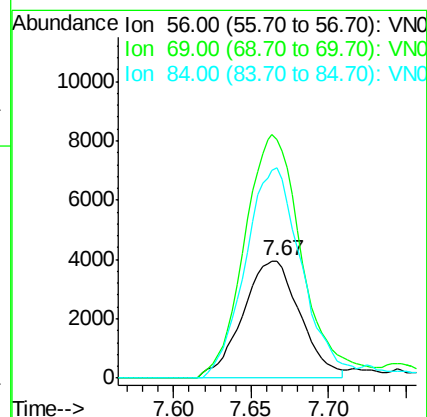
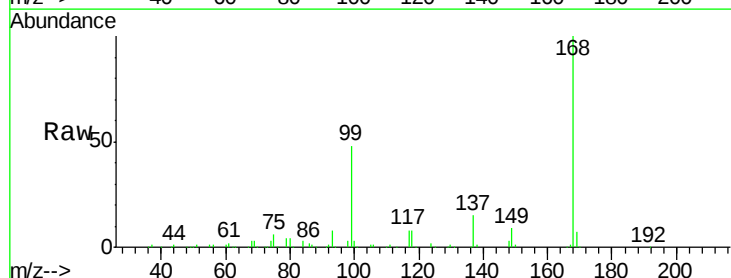
Tgt Ion: 56 Resp: 10199

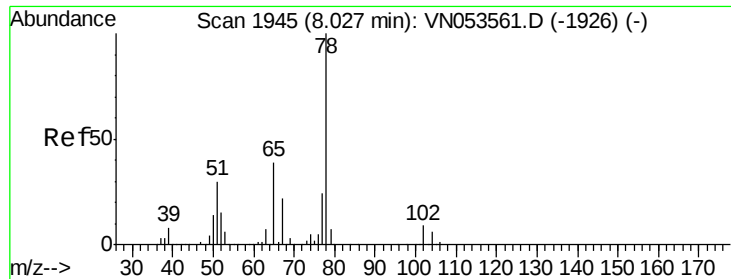
Ion Ratio Lower Upper

56 100

69 203.5 26.4 39.6#

84 178.8 67.9 101.9#

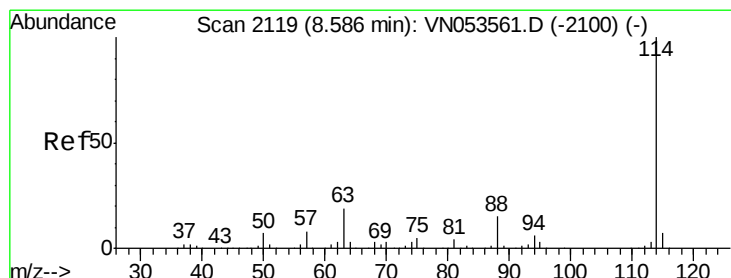
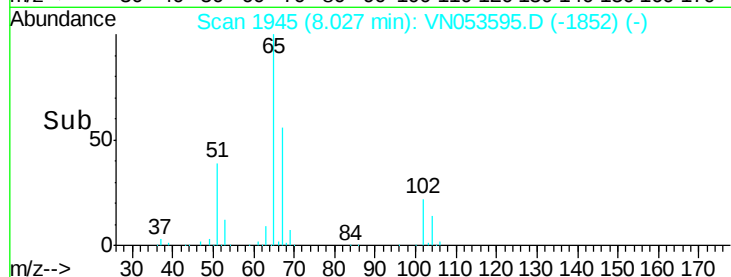
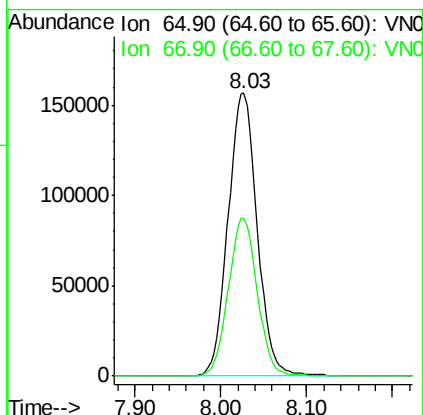
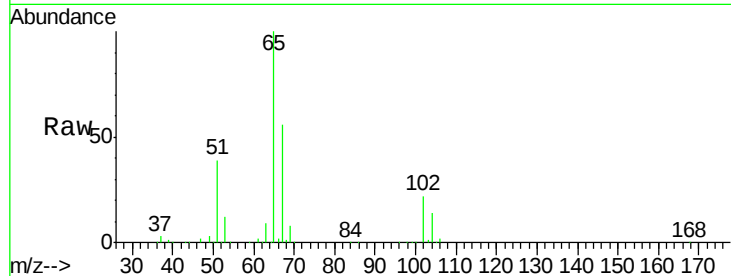




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053595.D
 Acq: 4 Feb 2019 14:36

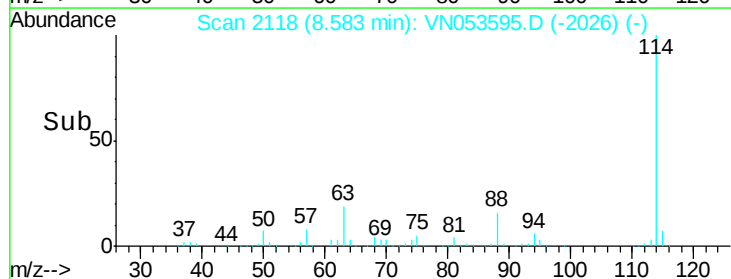
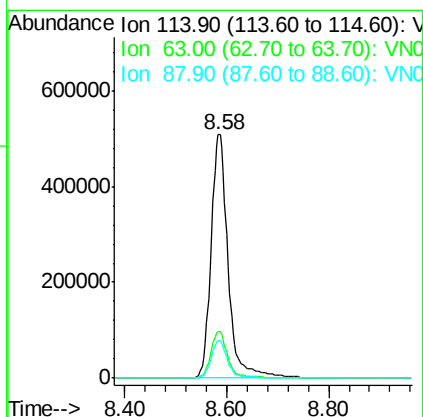
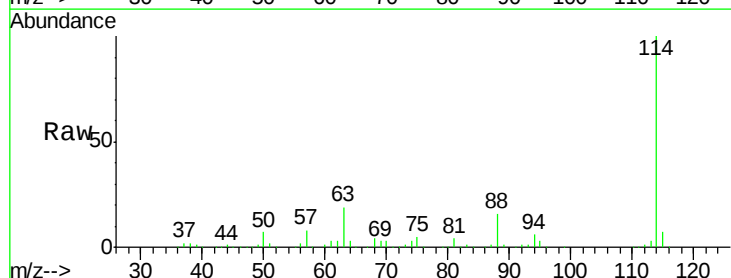
Instrument :
 MSVOA_N
 ClientSampleId :
 0038-AMND-COMP-1

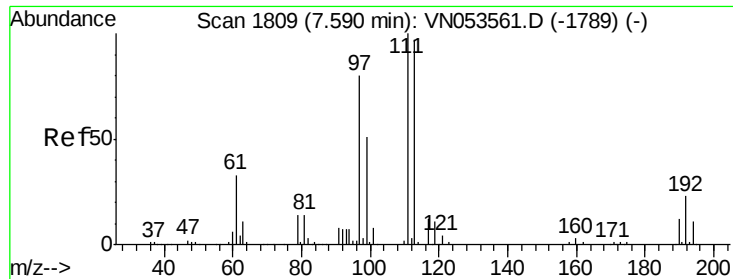
Tot Ion: 65 Resp: 368202
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053595.D
 Acq: 4 Feb 2019 14:36

Tgt Ion: 114 Resp: 1177627
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.6 0.0 30.4

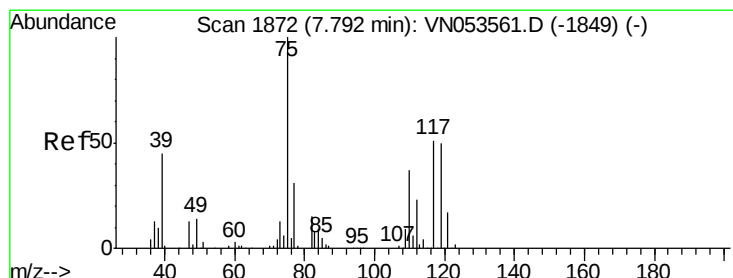
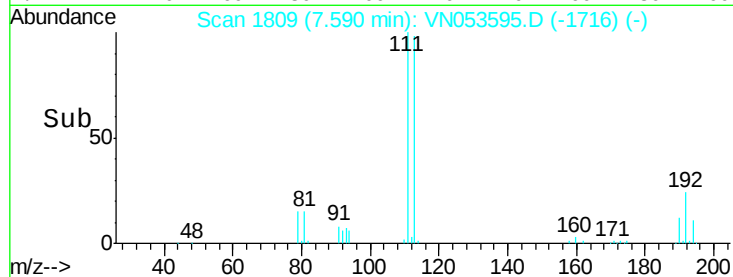
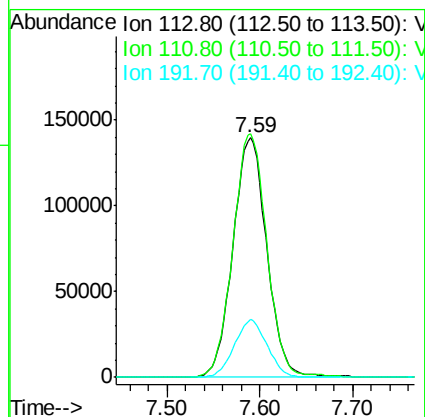
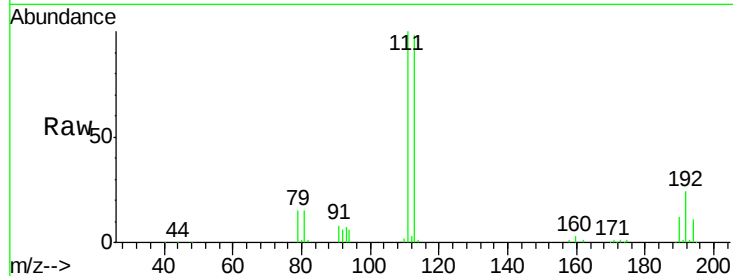




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053595.D
 Acq: 4 Feb 2019 14:36

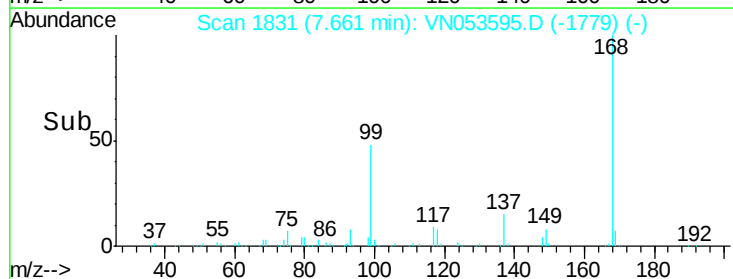
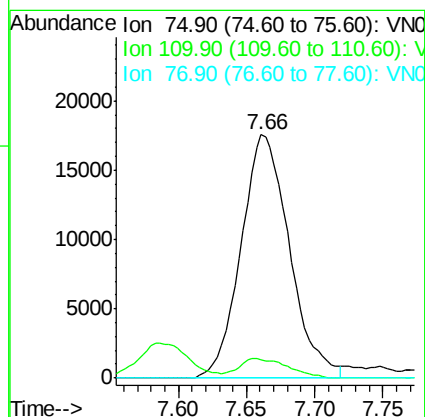
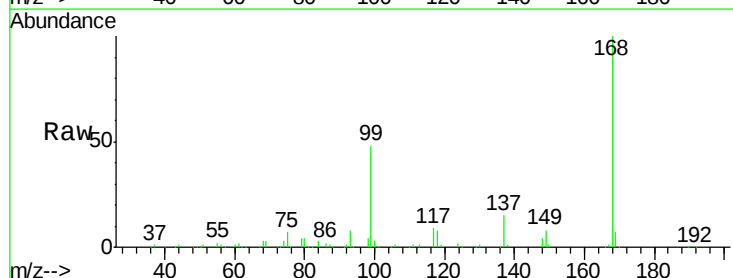
Instrument :
 MSVOA_N
 ClientSampleId :
 0038-AMND-COMP-1

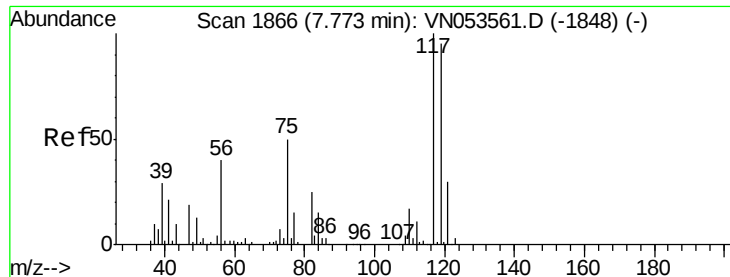
Tot Ion:113 Resp: 353187
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.1 121.7
 192 23.3 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.072 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN053595.D
 Acq: 4 Feb 2019 14:36

Tgt Ion: 75 Resp: 43227
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.624 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

0038-AMND-COMP-1

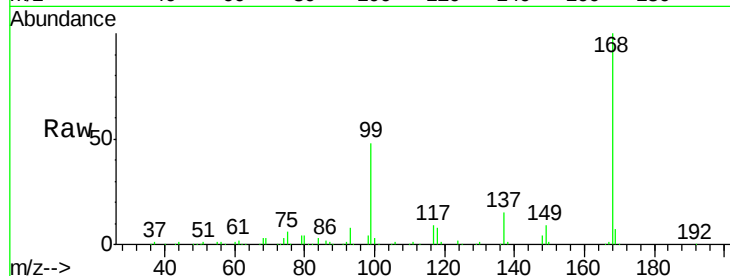
Tot Ion:117 Resp: 60148

Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

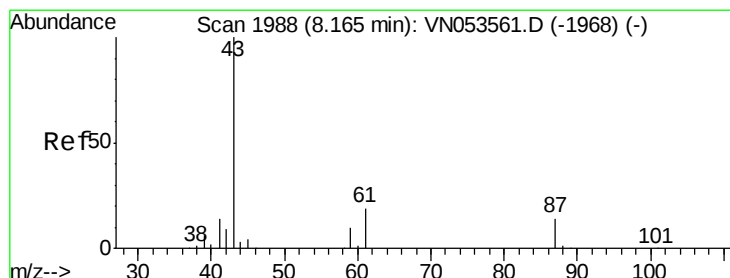
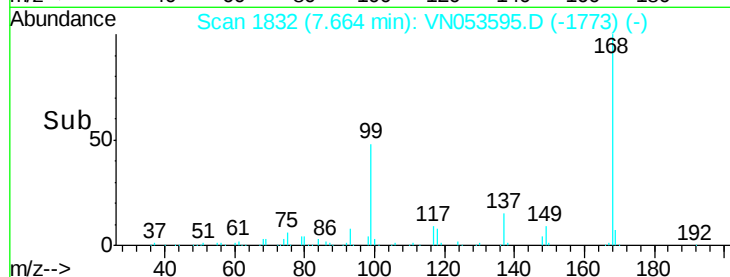
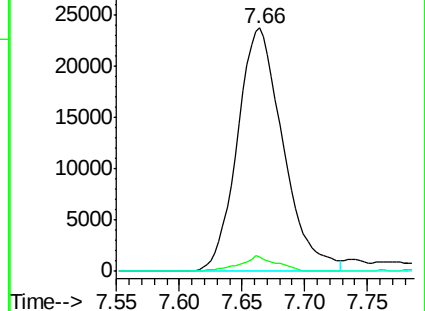
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.595 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.01 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

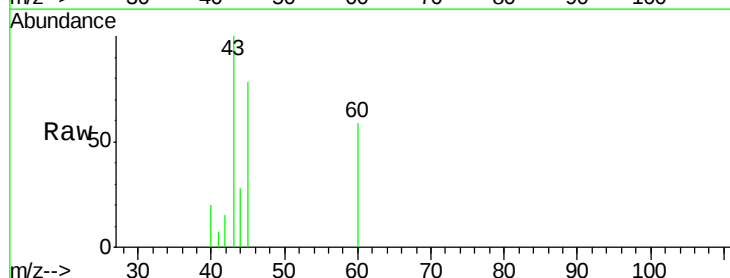
Tgt Ion: 43 Resp: 6813

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

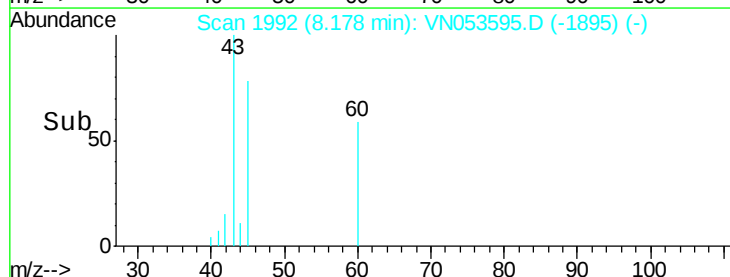
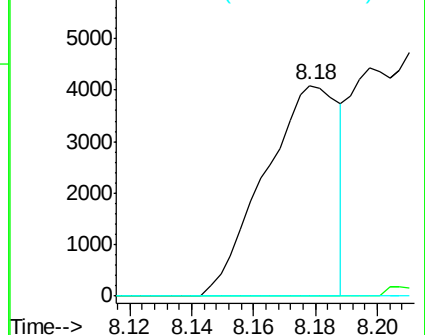
87 0.0 11.0 16.6#

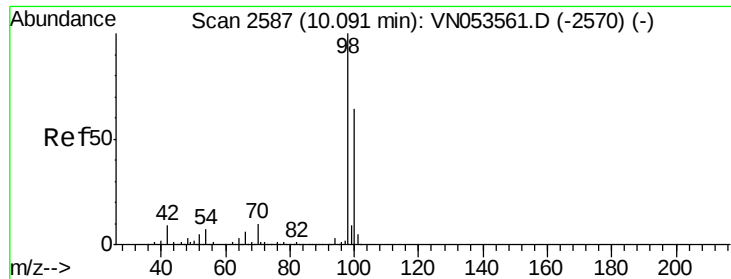


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

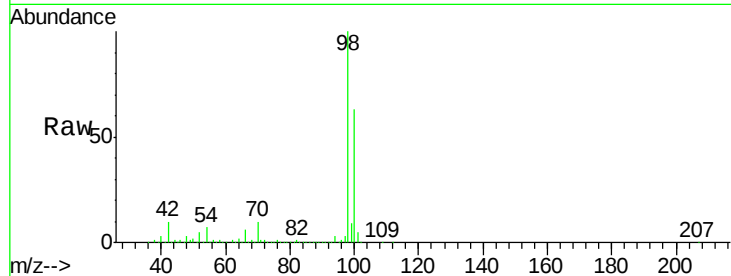
0038-AMND-COMP-1

Tot Ion: 98 Resp: 1437686

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)

10.09

800000

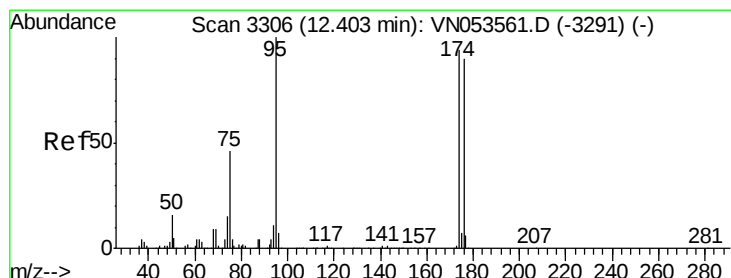
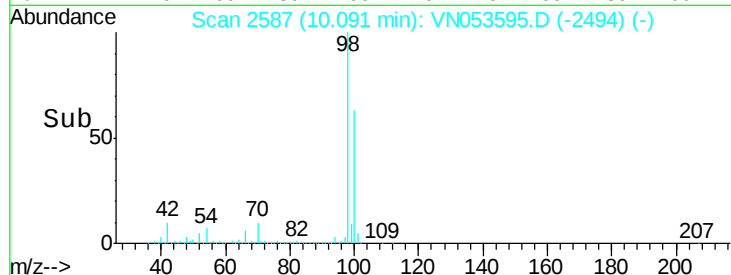
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

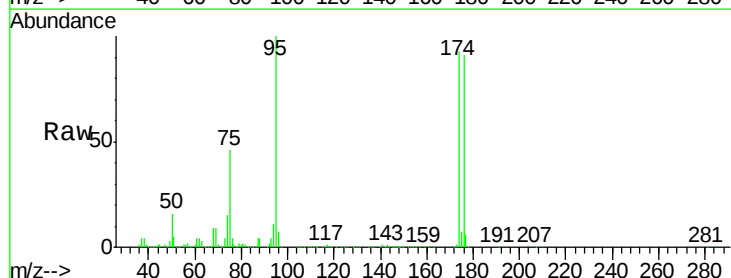
Tgt Ion: 95 Resp: 494864

Ion Ratio Lower Upper

95 100

174 92.6 0.0 183.2

176 90.4 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)

12.40

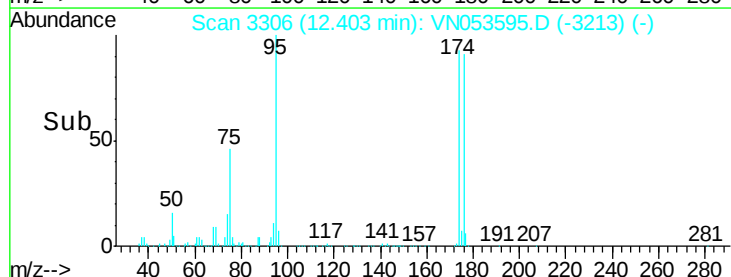
300000

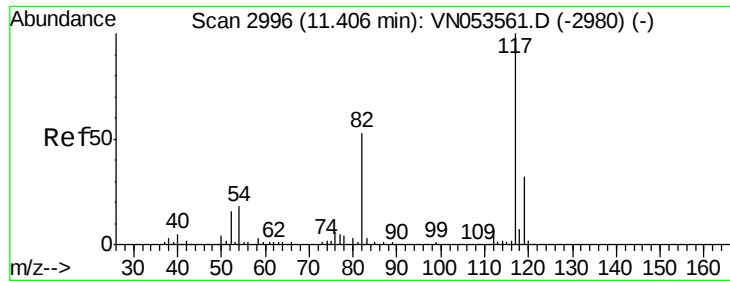
200000

100000

0

Time-->

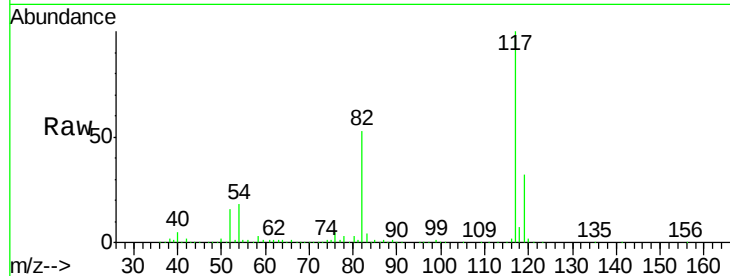




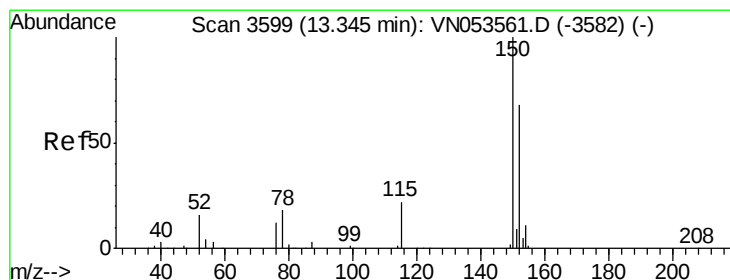
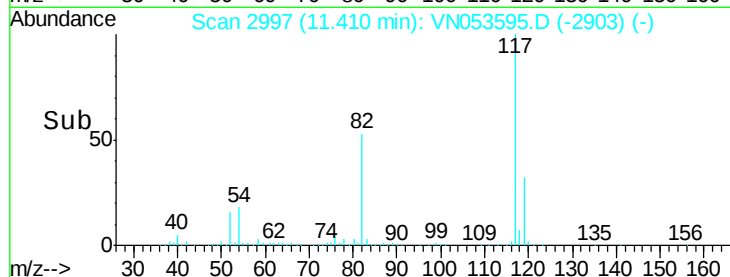
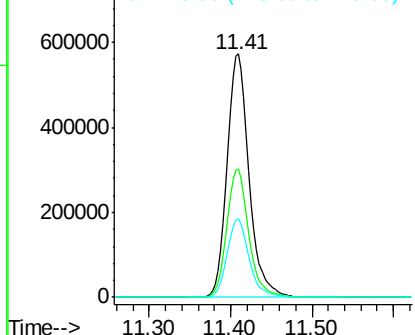
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053595.D
Acq: 4 Feb 2019 14:36

Instrument :
MSVOA_N
ClientSampleId :
0038-AMND-COMP-1

Tot Ion:117 Resp: 1090074
Ion Ratio Lower Upper
117 100
82 52.6 42.9 64.3
119 32.2 26.0 39.0

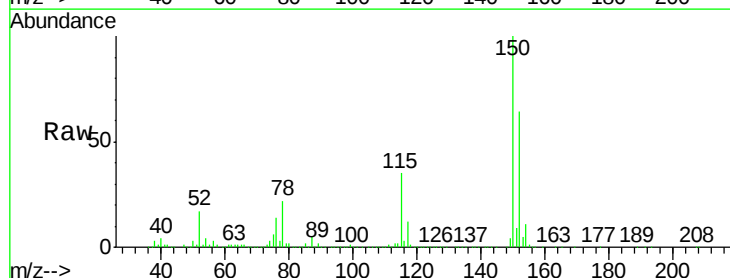


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

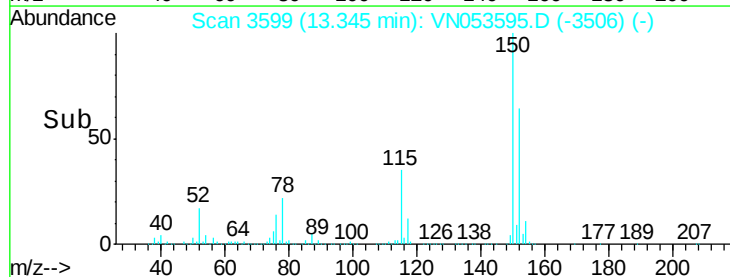
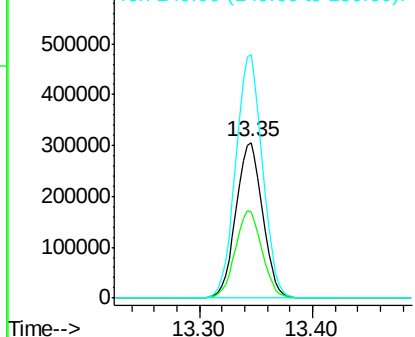


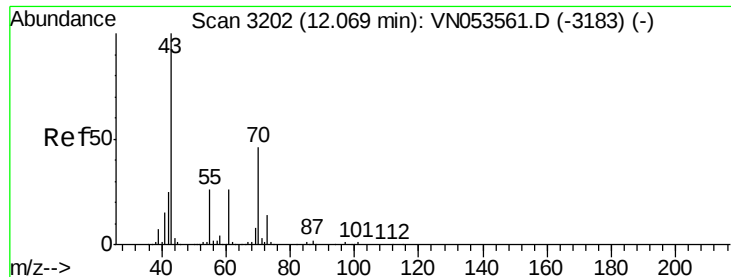
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053595.D
Acq: 4 Feb 2019 14:36

Tgt Ion:152 Resp: 500434
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.4
150 157.7 0.0 349.0



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





#74

N-amyl acetate

Concen: 0.480 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

0038-AMND-COMP-1

Tot Ion: 43 Resp: 4057

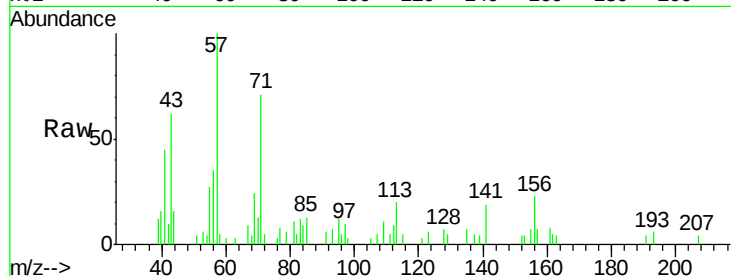
Ion Ratio Lower Upper

43 100

70 16.6 35.4 53.2#

55 9.5 20.9 31.3#

61 0.0 20.5 30.7#

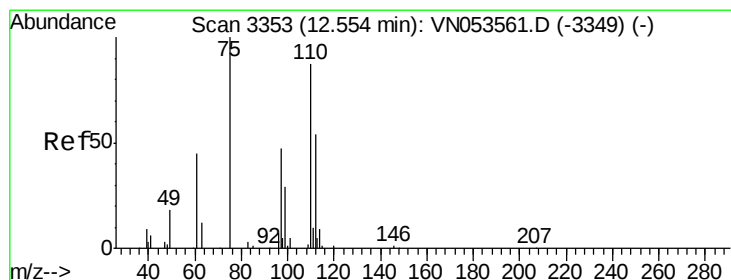
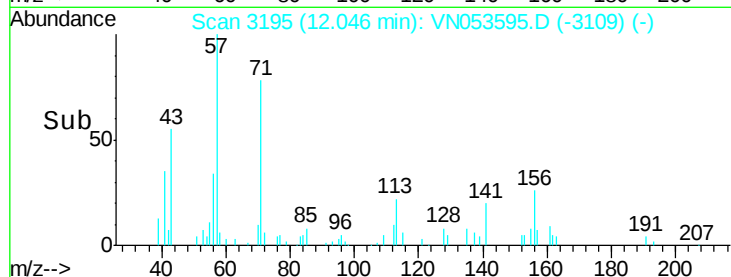
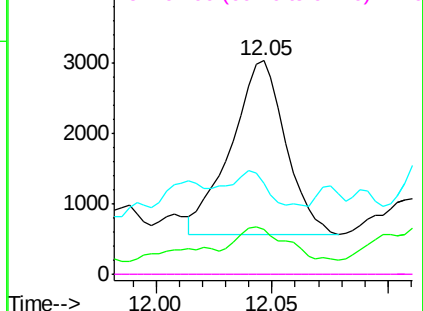


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 35.815 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053595.D

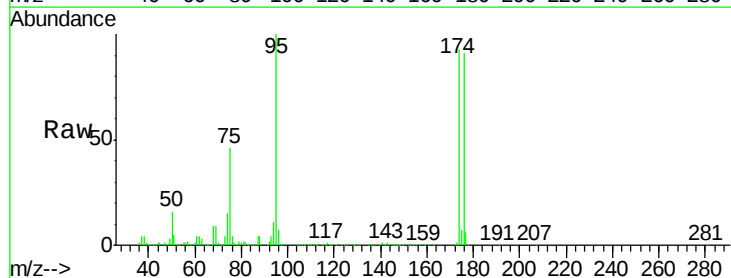
Acq: 4 Feb 2019 14:36

Tgt Ion: 75 Resp: 230209

Ion Ratio Lower Upper

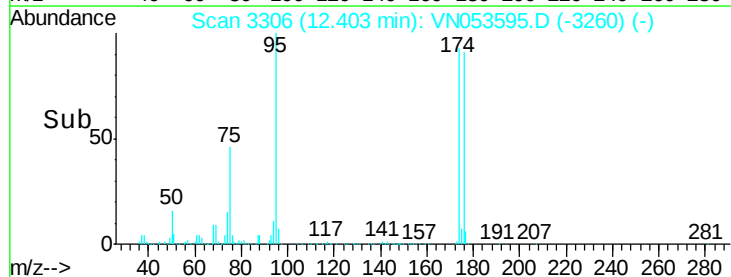
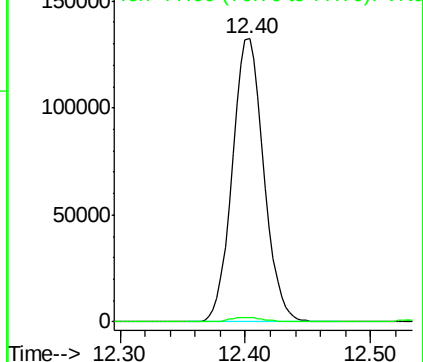
75 100

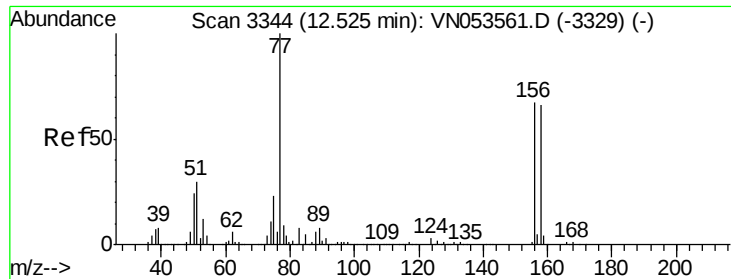
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 3.885 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.04 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

0038-AMND-COMP-1

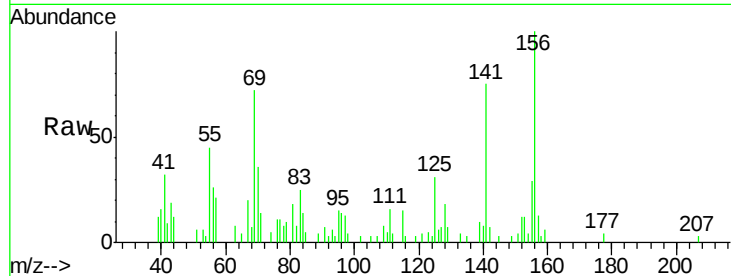
Tot Ion:156 Resp: 36835

Ion Ratio Lower Upper

156 100

77 0.5 87.9 263.8#

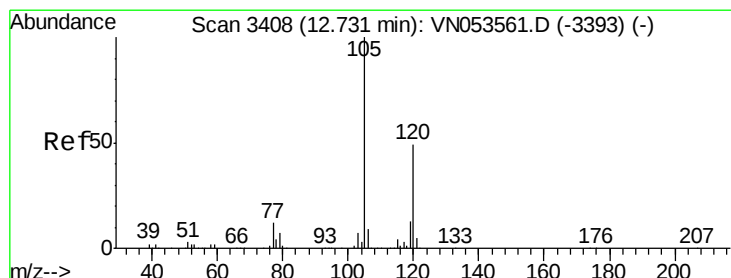
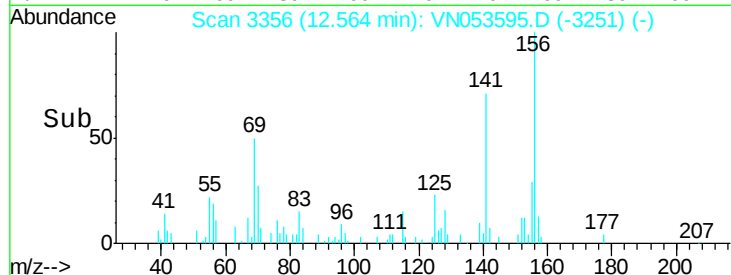
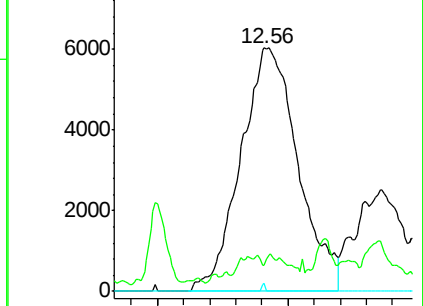
158 0.2 48.8 146.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#80

1,3,5-Trimethylbenzene

Concen: 0.292 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053595.D

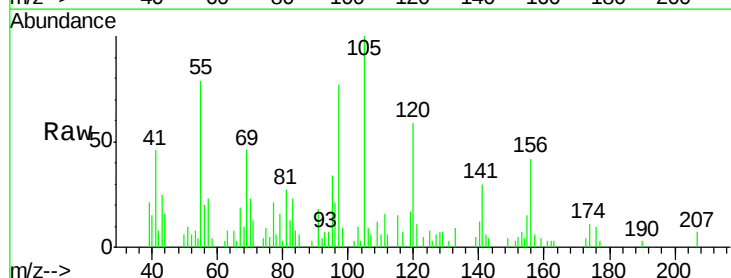
Acq: 4 Feb 2019 14:36

Tgt Ion:105 Resp: 8529

Ion Ratio Lower Upper

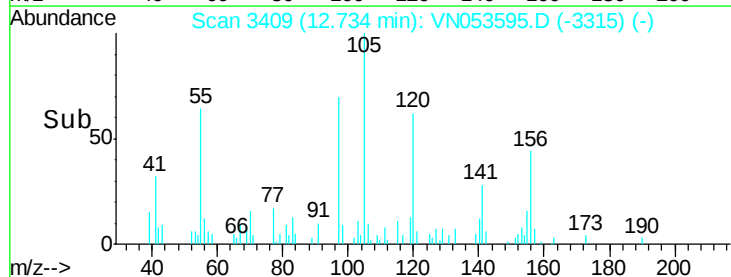
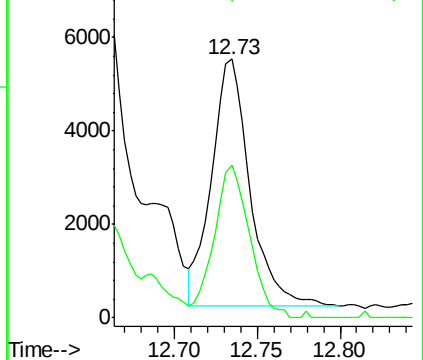
105 100

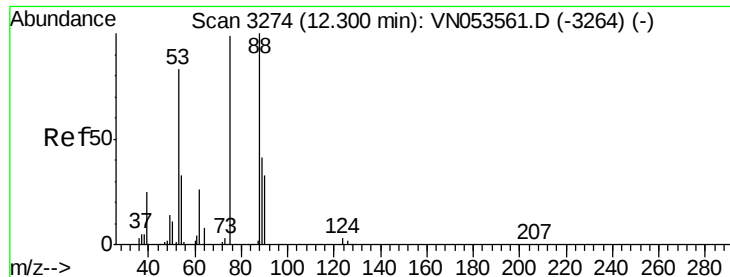
120 57.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 100.708 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

0038-AMND-COMP-1

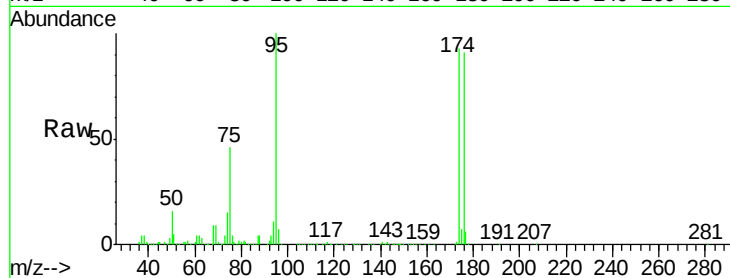
Tot Ion: 75 Resp: 230209

Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.6#

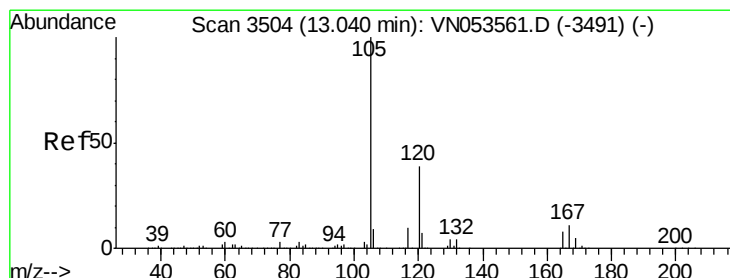
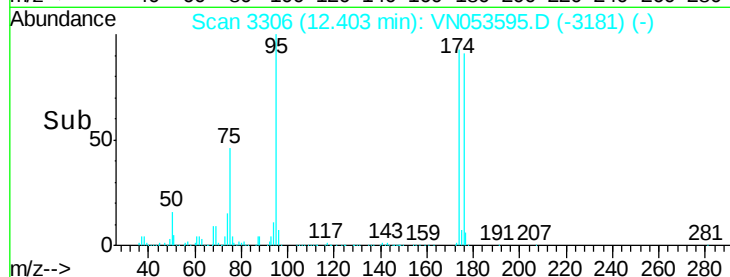
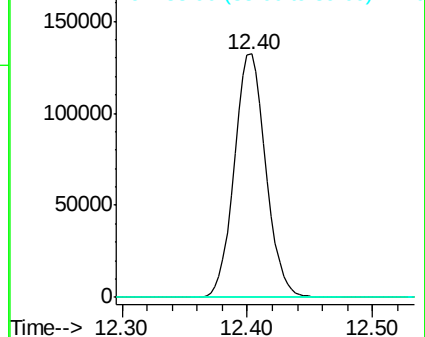
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.520 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053595.D

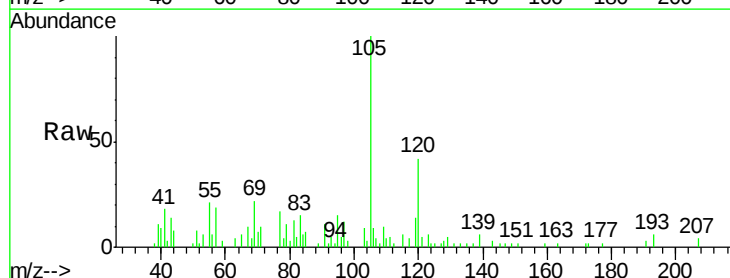
Acq: 4 Feb 2019 14:36

Tgt Ion: 105 Resp: 15447

Ion Ratio Lower Upper

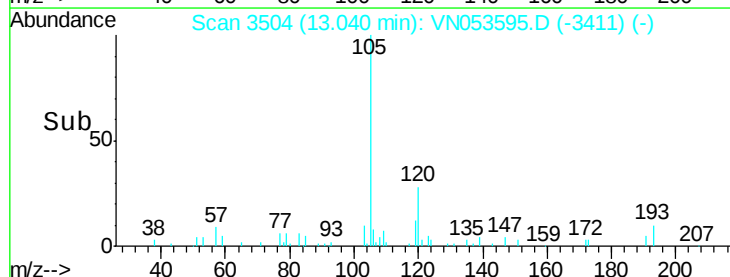
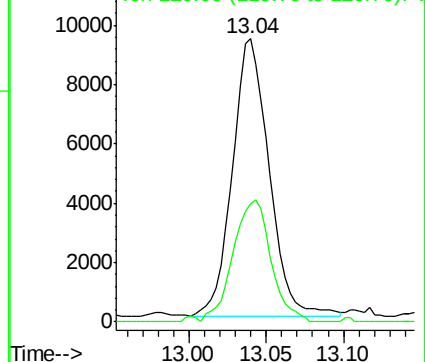
105 100

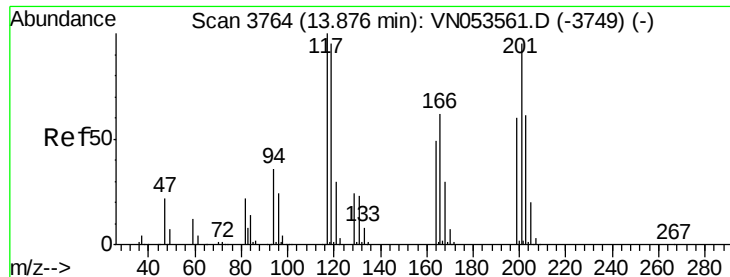
120 45.1 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.298 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

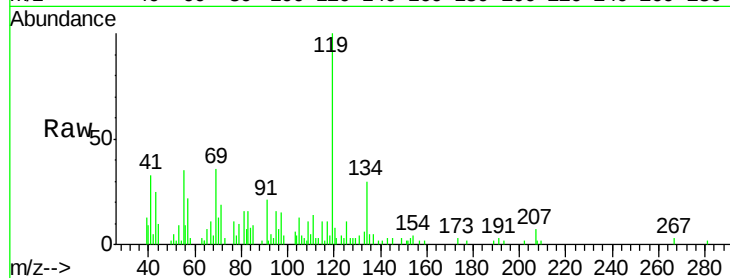
0038-AMND-COMP-1

Tot Ion:117 Resp: 1507

Ion Ratio Lower Upper

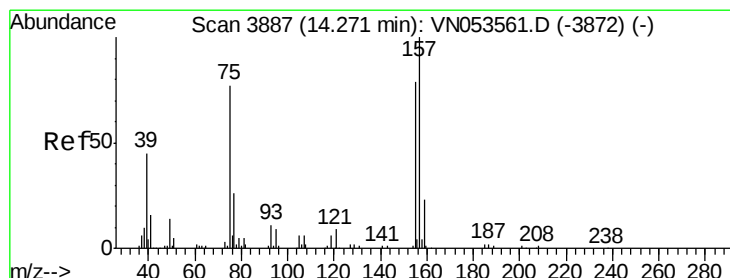
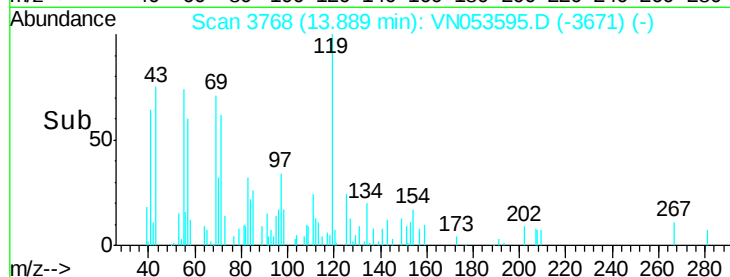
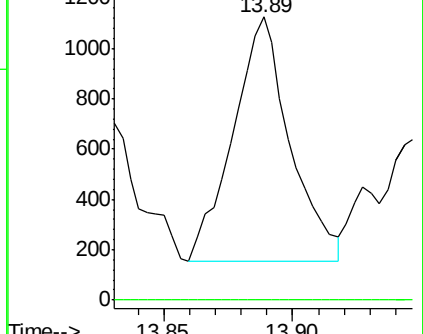
117 100

201 0.0 46.8 140.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.573 ug/l

RT: 14.49 min Scan# 3956

Delta R.T. 0.22 min

Lab File: VN053595.D

Acq: 4 Feb 2019 14:36

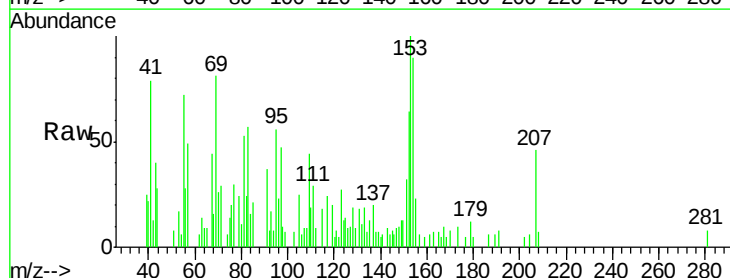
Tgt Ion: 75 Resp: 688

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

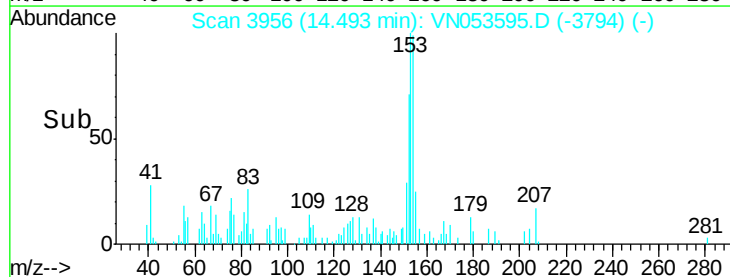
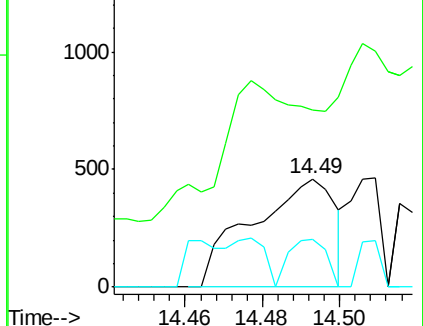
157 19.9 63.7 191.3#

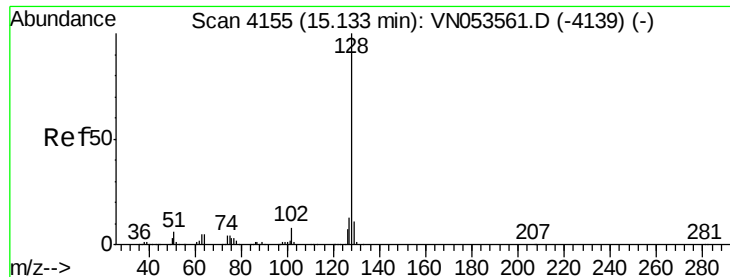


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 6.115 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053595.D

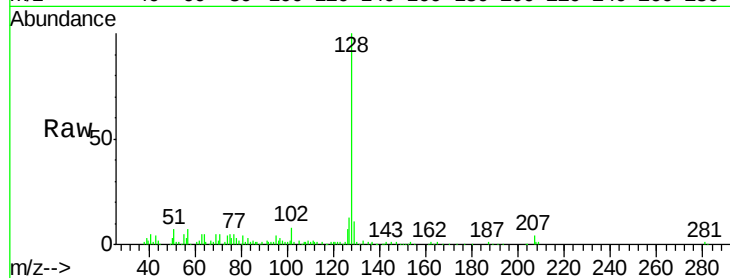
Acq: 4 Feb 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

0038-AMND-COMP-1



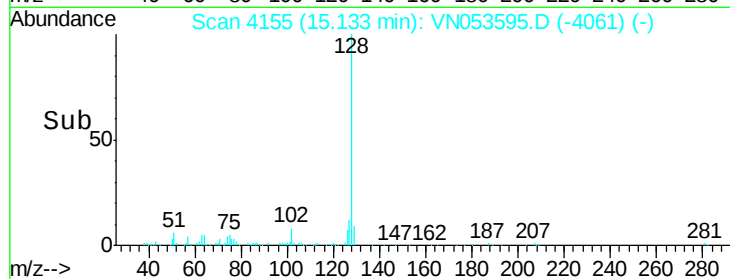
Tot Ion:128 Resp: 99730

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.8 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

