

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053607.D
 Acq On : 4 Feb 2019 19:57
 Operator : JC/SP
 Sample : K1359-03DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3DL

Quant Time: Feb 05 01:30:36 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	7.67	168	841623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1335660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1169453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	487719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	424494	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	7.59	113	421027	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	10.09	98	1590311	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	514294	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

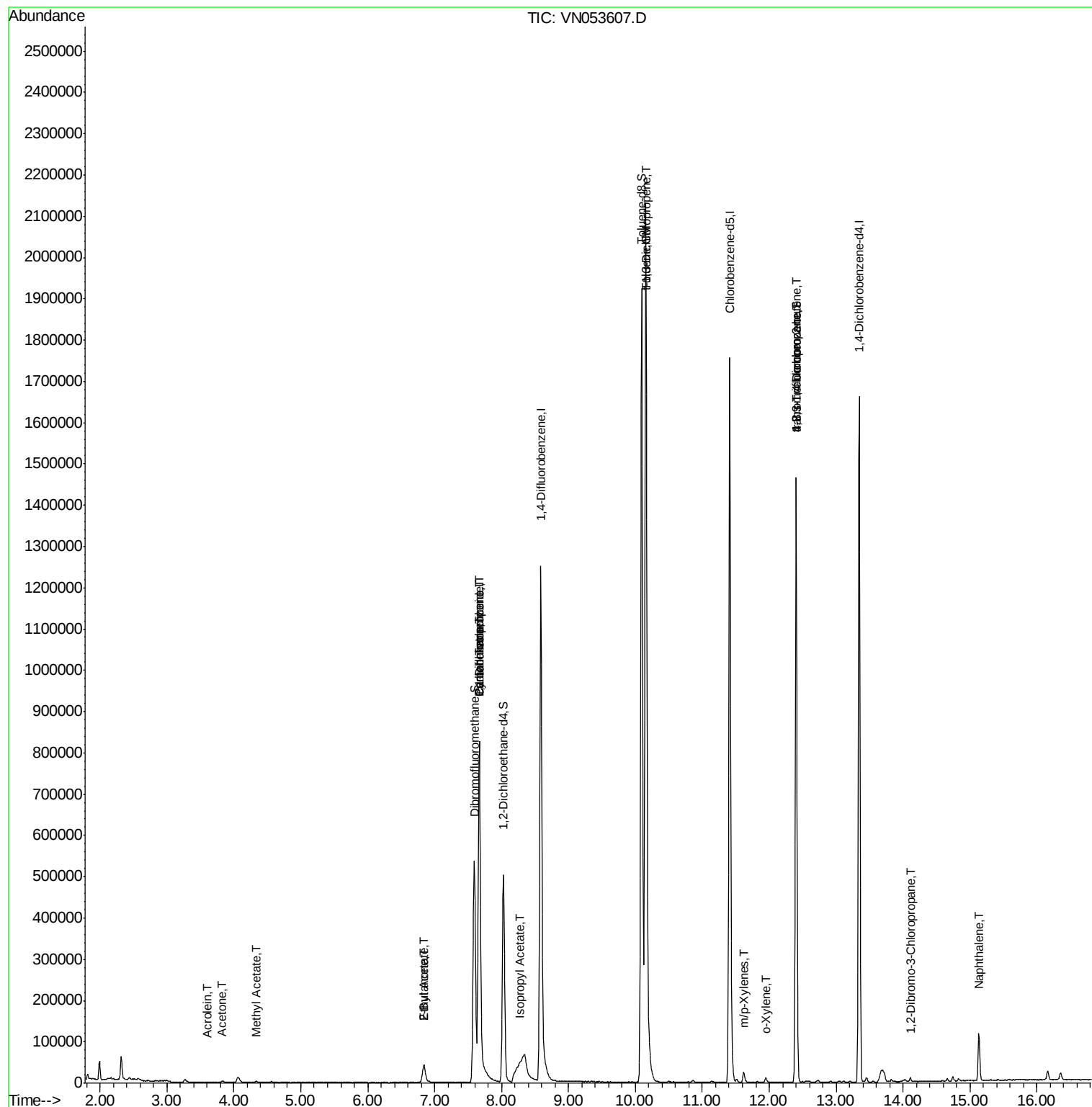
					Qvalue	
13) Acrolein	3.60	56	144	0.529	ug/l	95
16) Acetone	3.82	43	6811	3.145	ug/l	90
18) Methyl Acetate	4.33	43	5534	0.863	ug/l #	89
25) 2-Butanone	6.84	43	80718	26.133	ug/l	99
31) Cyclohexane	7.67	56	11542	0.641	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	50363	4.183	ug/l #	44
37) Ethyl Acetate	6.84	43	80718	12.004	ug/l #	68
38) Carbon Tetrachloride	7.67	117	65646	5.412	ug/l #	16
43) Isopropyl Acetate	8.26	43	61738	4.754	ug/l #	51
52) Toluene	10.16	92	1066044	48.378	ug/l	100
53) t-1,3-Dichloropropene	10.16	75	11213	0.941	ug/l #	1
68) m/p-Xylenes	11.62	106	8513	0.547	ug/l	94
69) o-Xylene	11.95	106	3244	0.216	ug/l	93
76) 1,2,3-Trichloropropane	12.40	75	240615	38.410	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	240615	108.005	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.10	75	237	0.203	ug/l #	1
95) Naphthalene	15.13	128	102280	6.344	ug/l	98

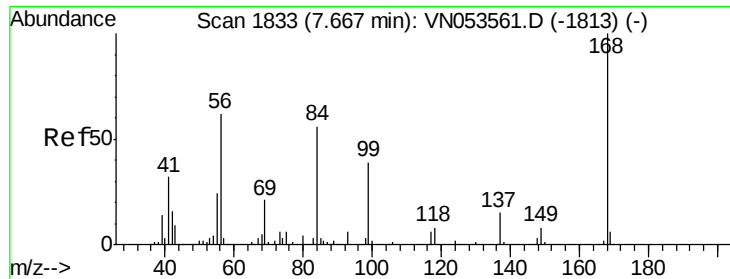
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

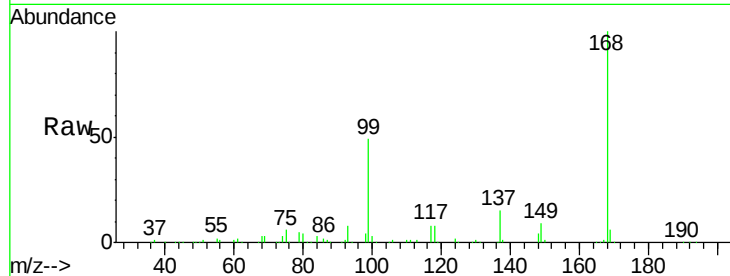
COMP-3DL

Tot Ion:168 Resp: 841623

Ion Ratio Lower Upper

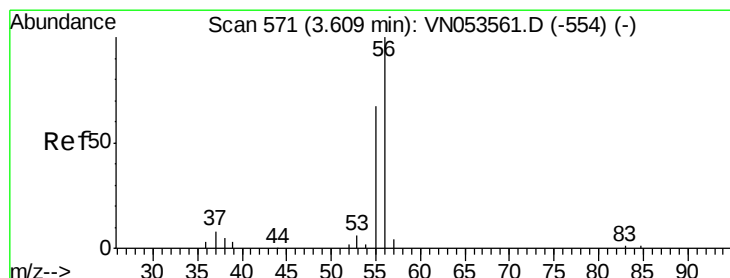
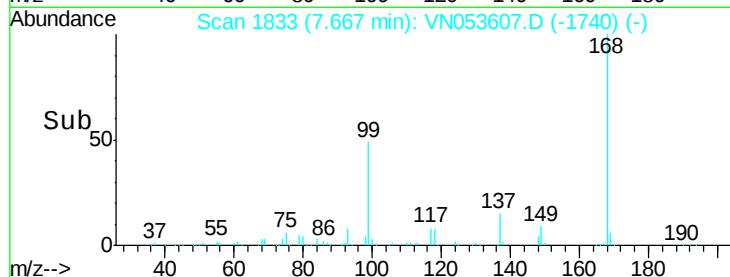
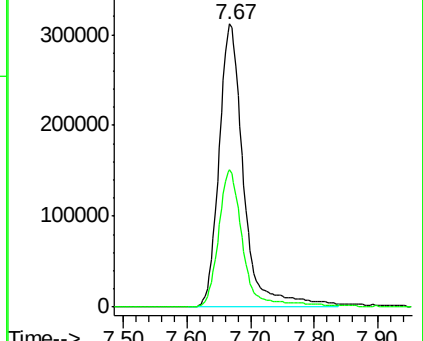
168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 0.529 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN053607.D

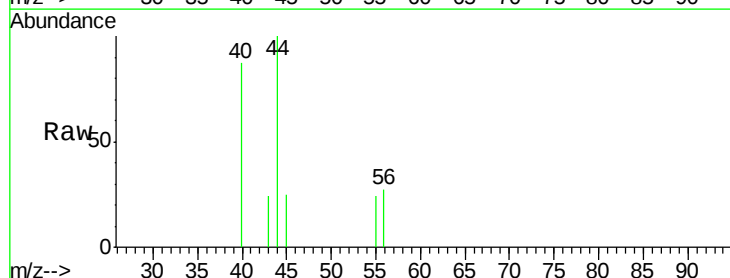
Acq: 4 Feb 2019 19:57

Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

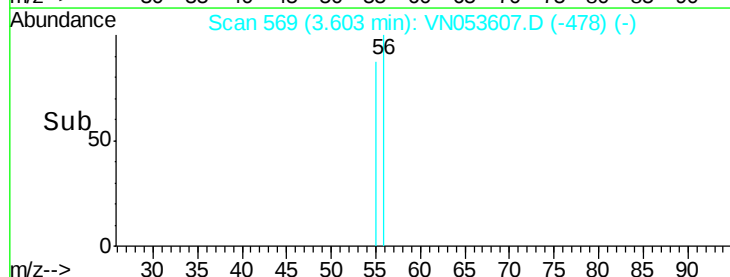
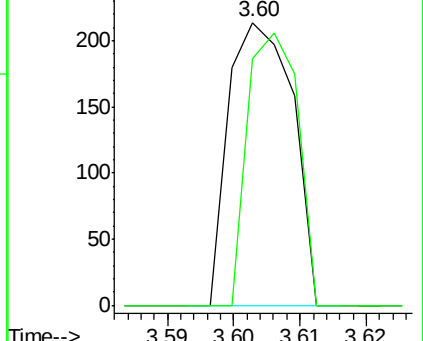
56 100

55 75.7 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: 3.145 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

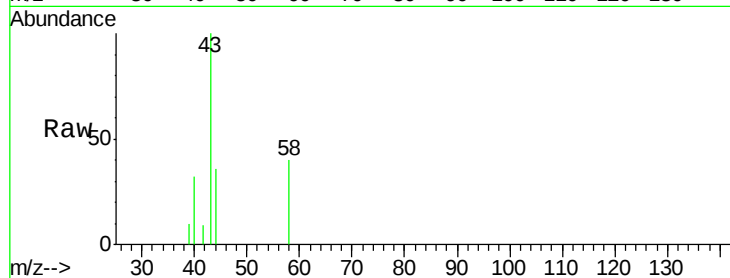
COMP-3DL

Tot Ion: 43 Resp: 6811

Ion Ratio Lower Upper

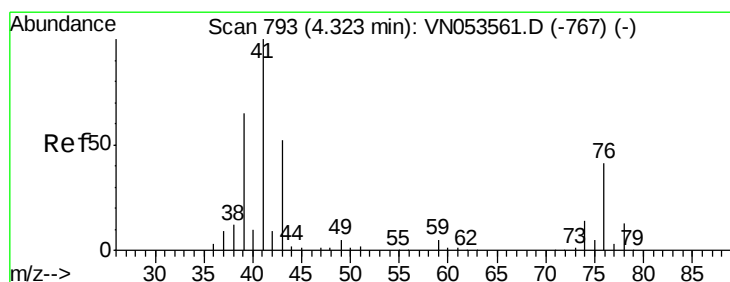
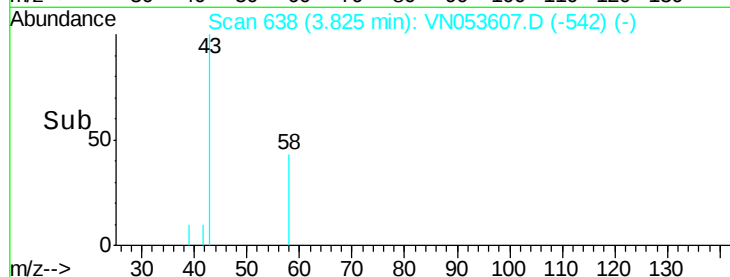
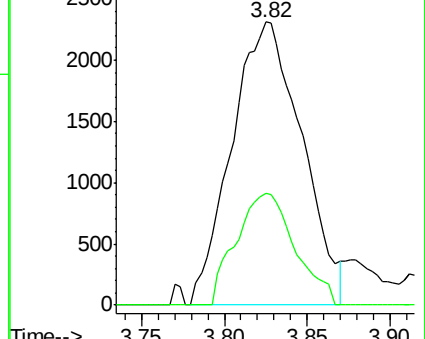
43 100

58 39.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-603) (-)



#18

Methyl Acetate

Concen: 0.863 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053607.D

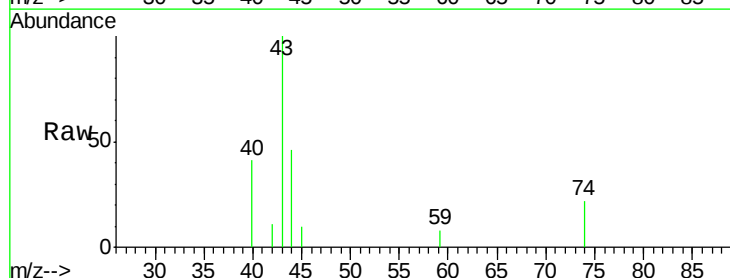
Acq: 4 Feb 2019 19:57

Tgt Ion: 43 Resp: 5534

Ion Ratio Lower Upper

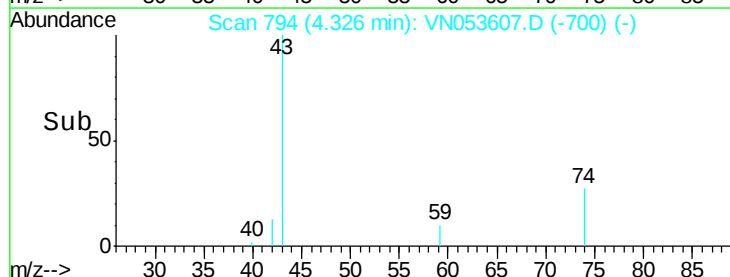
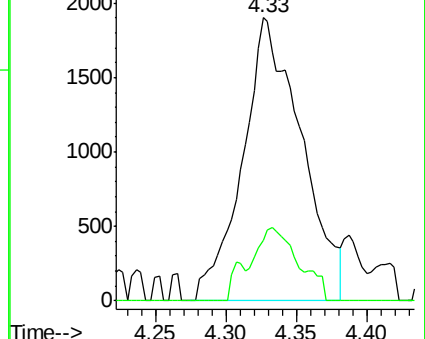
43 100

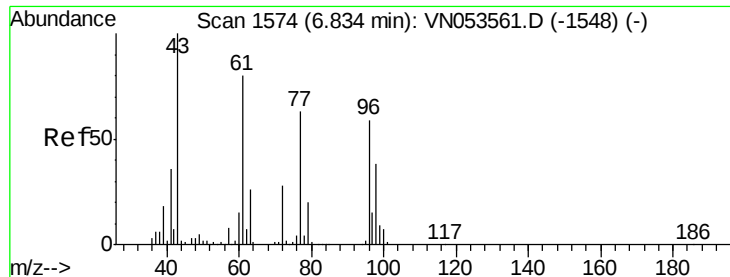
74 18.7 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-767) (-)

Ion 74.00 (73.70 to 74.70): VN053561.D (-767) (-)

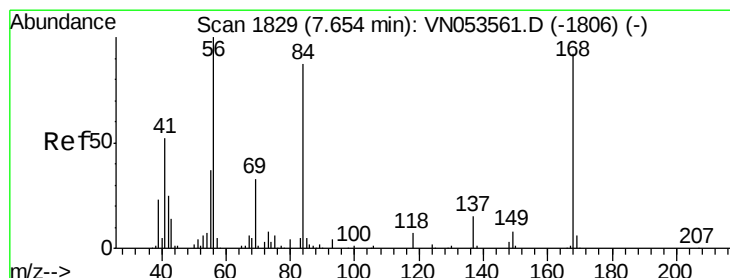
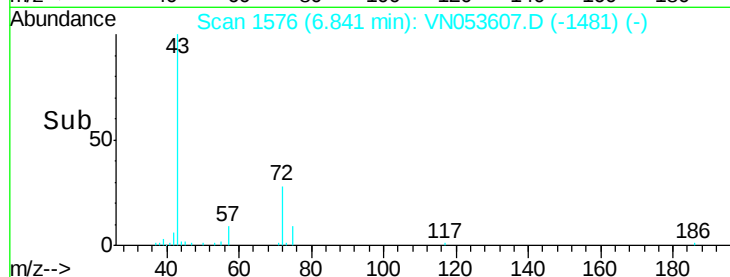
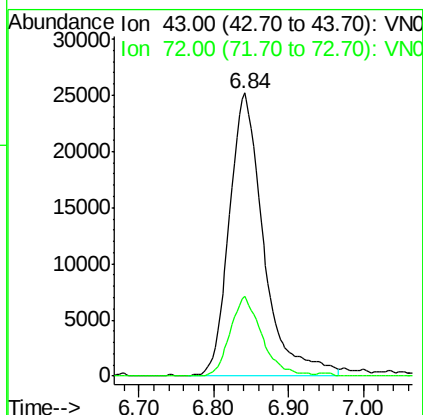
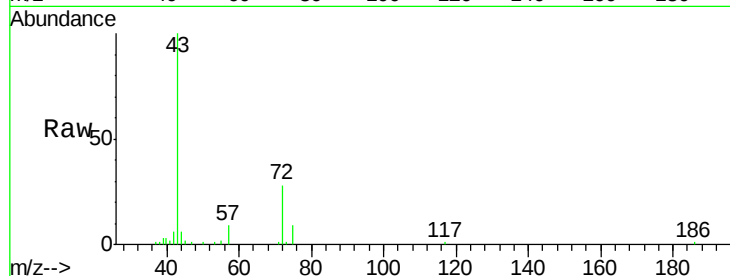




#25
2-Butanone
Concen: 26.133 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN053607.D
Acq: 4 Feb 2019 19:57

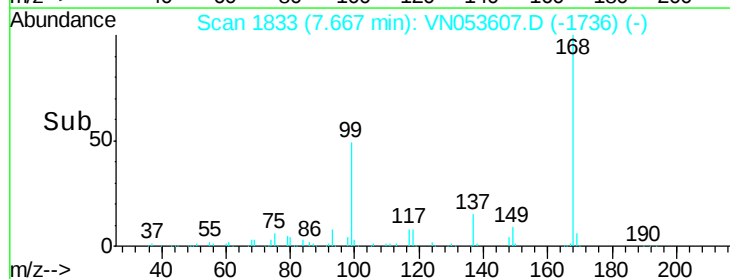
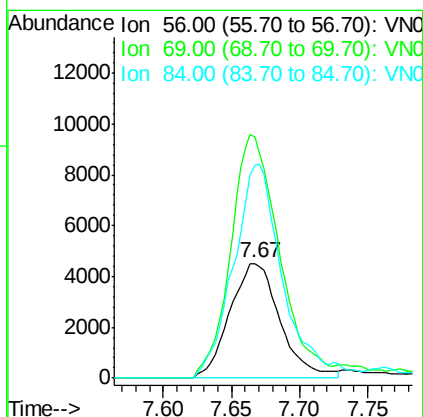
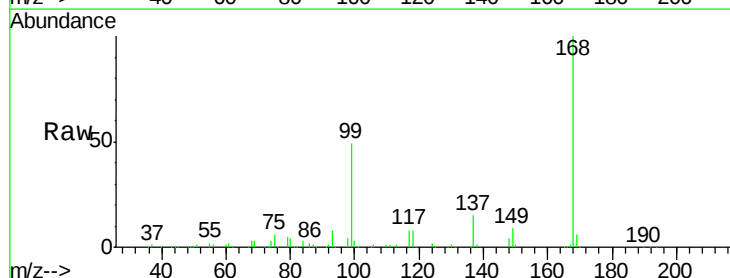
Instrument :
MSVOA_N
ClientSampled :
COMP-3DL

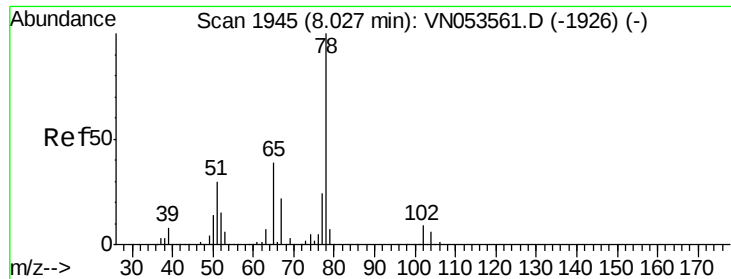
Tot Ion: 43 Resp: 80718
Ion Ratio Lower Upper
43 100
72 28.1 22.0 33.0



#31
Cyclohexane
Concen: 0.641 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053607.D
Acq: 4 Feb 2019 19:57

Tgt Ion: 56 Resp: 11542
Ion Ratio Lower Upper
56 100
69 210.7 26.4 39.6#
84 185.2 67.9 101.9#

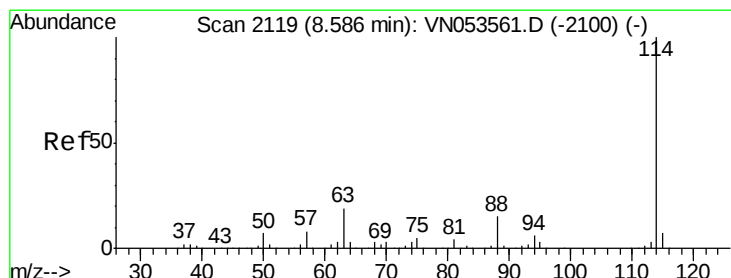
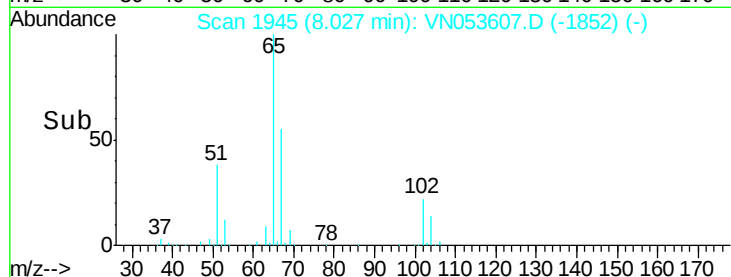
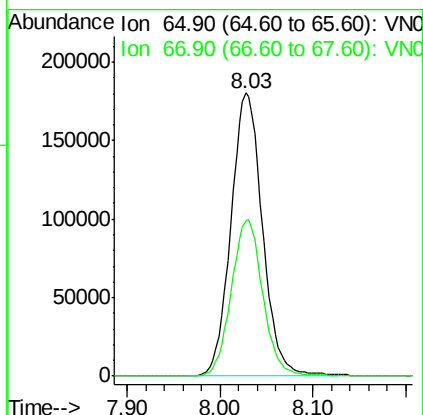
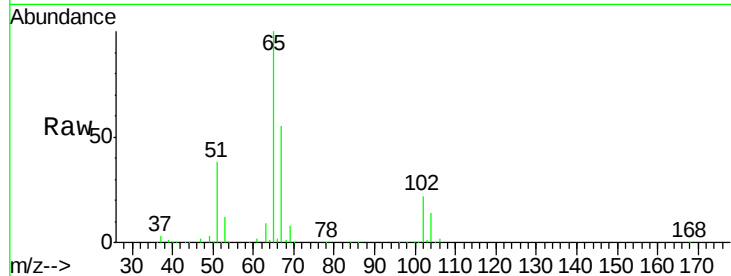




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053607.D
 Acq: 4 Feb 2019 19:57

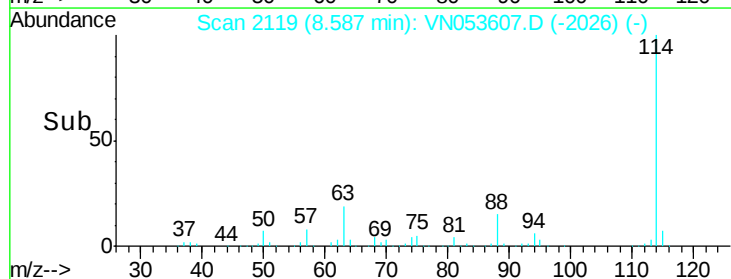
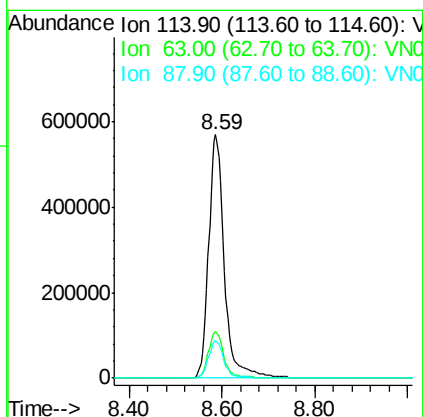
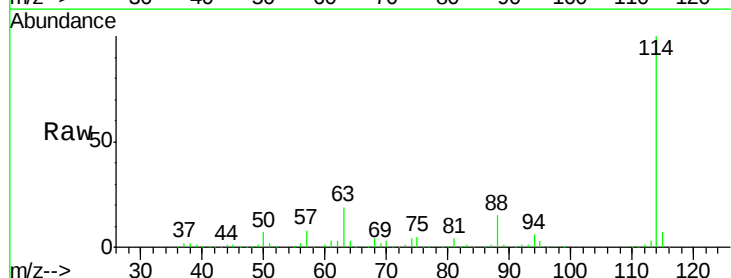
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3DL

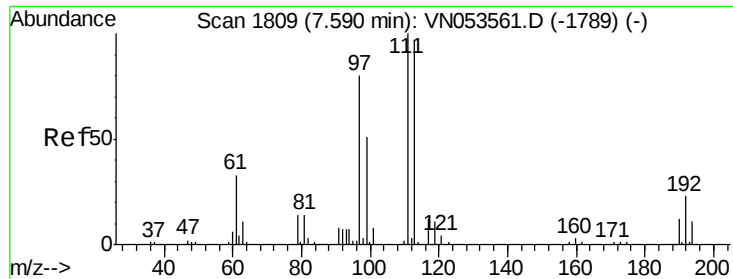
Tot Ion: 65 Resp: 424494
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053607.D
 Acq: 4 Feb 2019 19:57

Tgt Ion: 114 Resp: 1335660
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.2 0.0 30.4

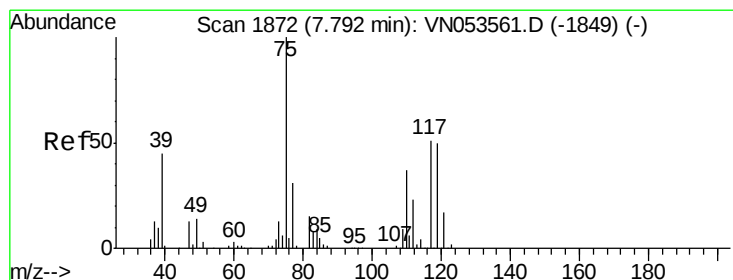
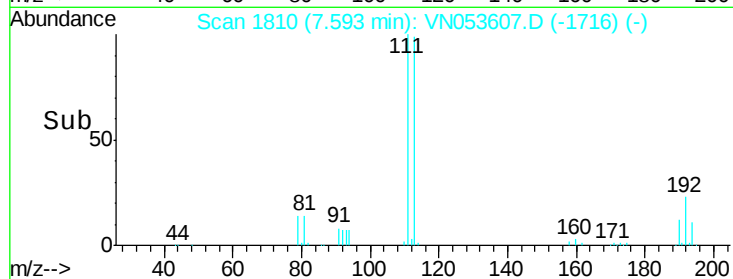
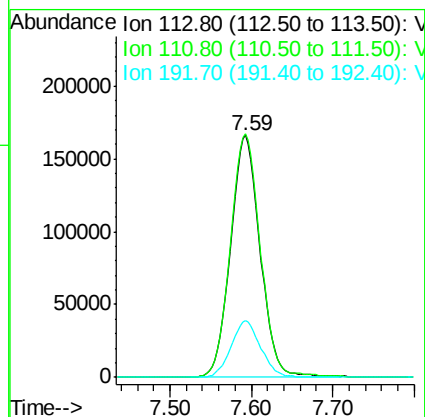
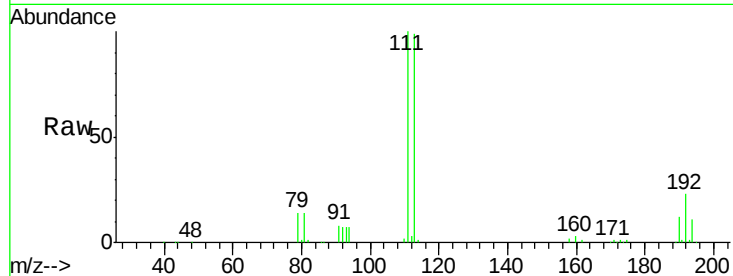




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053607.D
 Acq: 4 Feb 2019 19:57

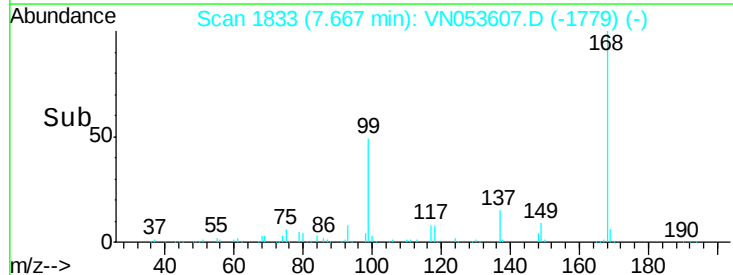
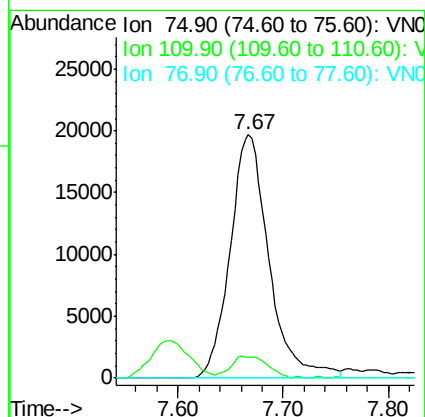
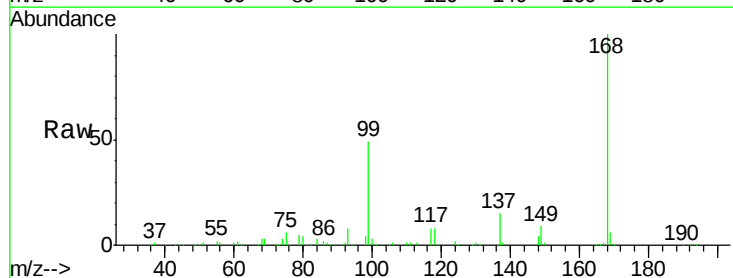
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-3DL

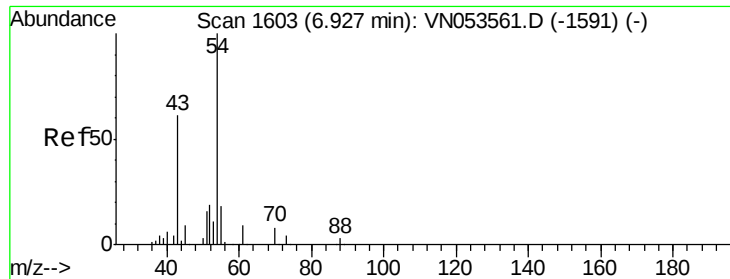
Tot Ion:113 Resp: 421027
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 23.3 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.183 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053607.D
 Acq: 4 Feb 2019 19:57

Tgt Ion: 75 Resp: 50363
 Ion Ratio Lower Upper
 75 100
 110 3.1 18.1 54.3#
 77 0.0 25.1 37.7#

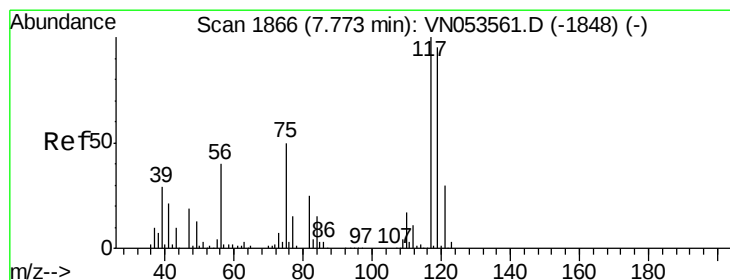
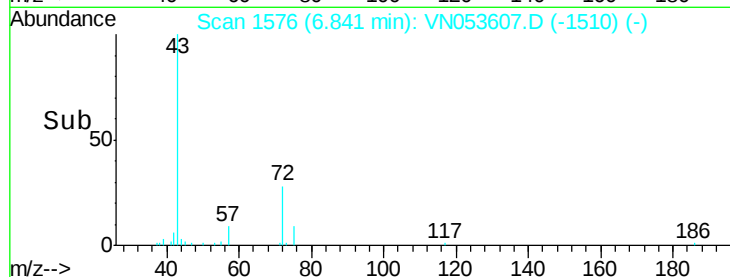
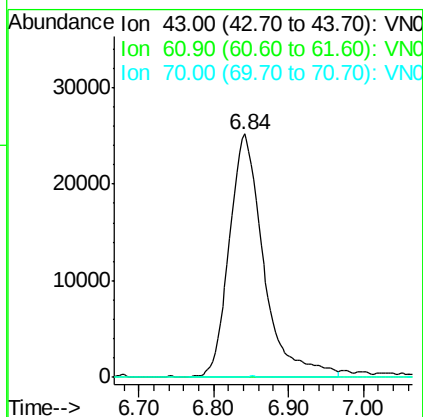
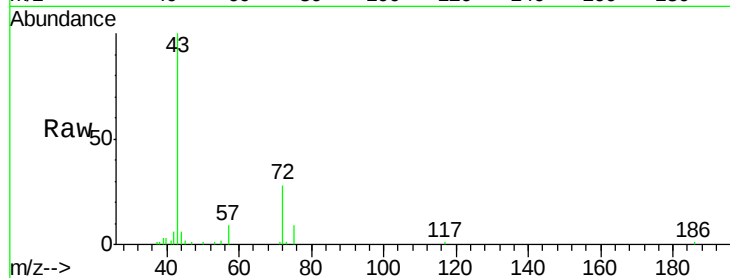




#37
Ethyl Acetate
Concen: 12.004 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.09 min
Lab File: VN053607.D
Acq: 4 Feb 2019 19:57

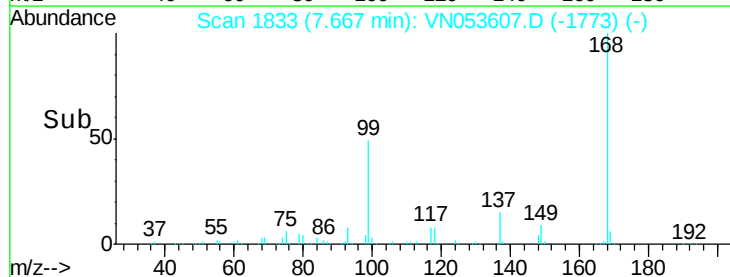
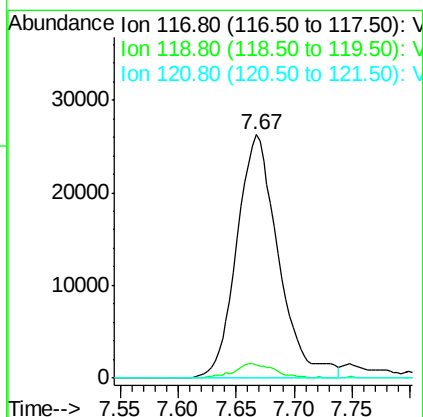
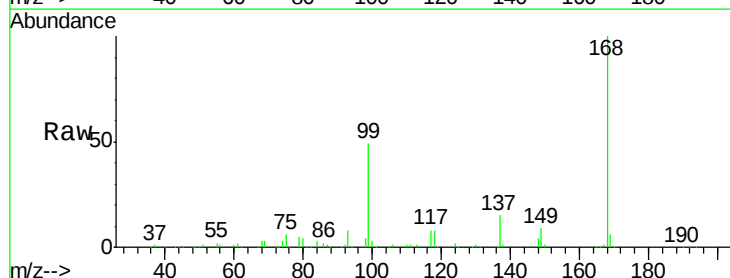
Instrument :
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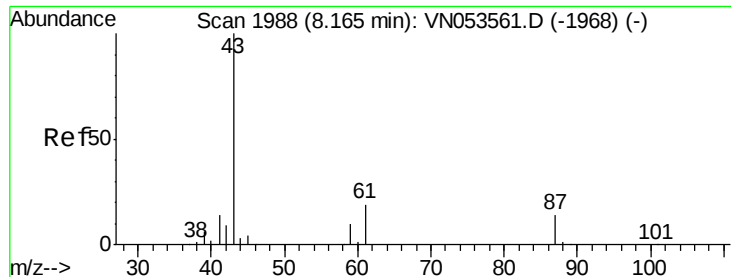
Tot Ion: 43 Resp: 80718
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.1 8.6 12.8#



#38
Carbon Tetrachloride
Concen: 5.412 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053607.D
Acq: 4 Feb 2019 19:57

Tgt Ion: 117 Resp: 65646
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 4.754 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.09 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

COMP-3DL

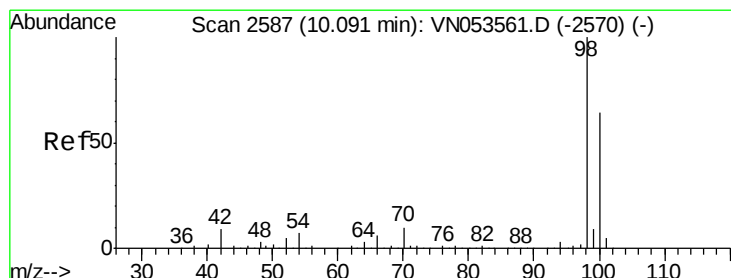
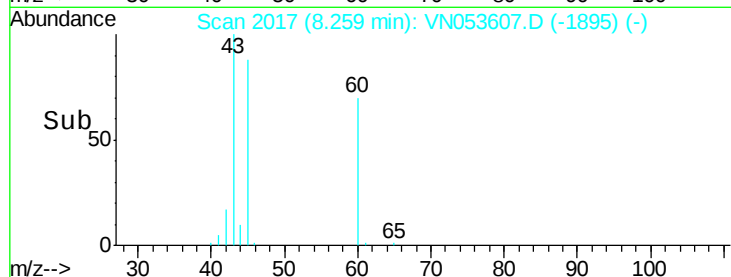
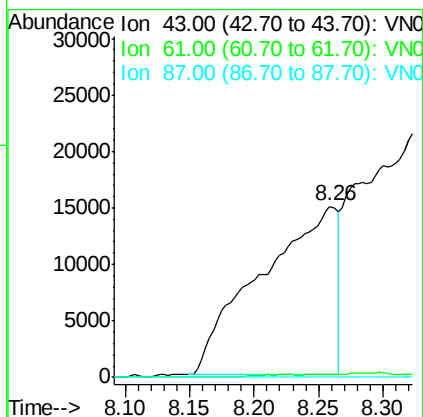
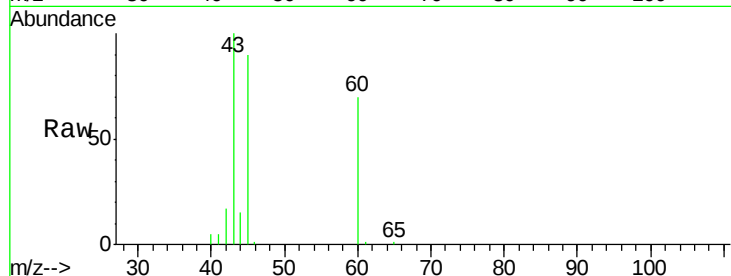
Tot Ion: 43 Resp: 61738

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053607.D

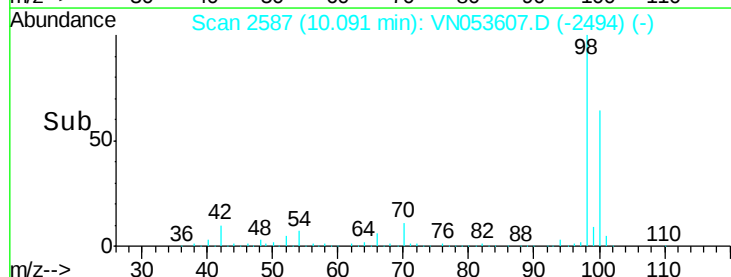
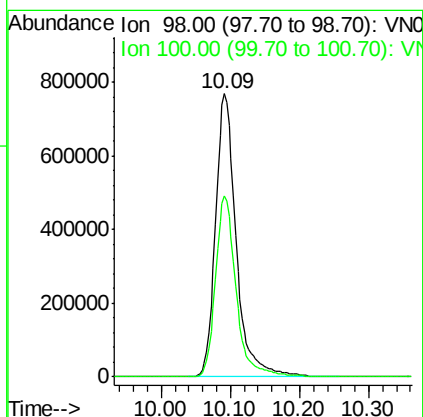
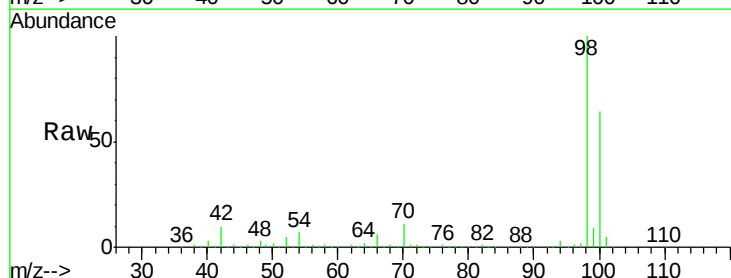
Acq: 4 Feb 2019 19:57

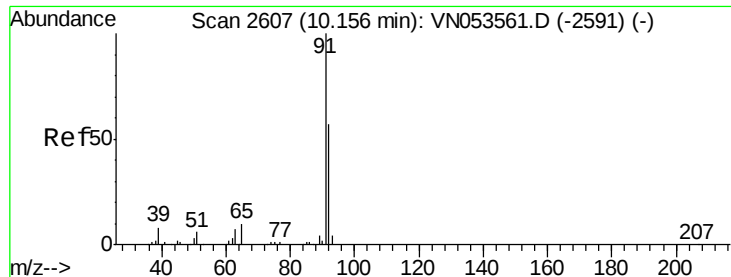
Tgt Ion: 98 Resp: 1590311

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0





#52

Toluene

Concen: 48.378 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

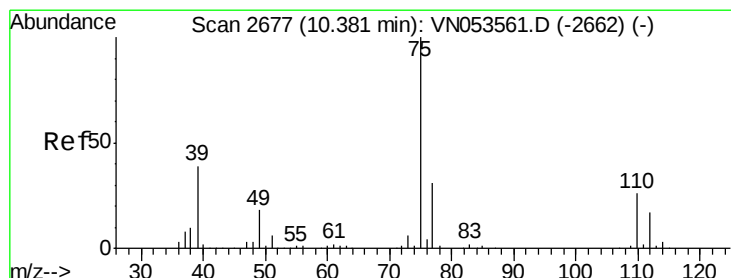
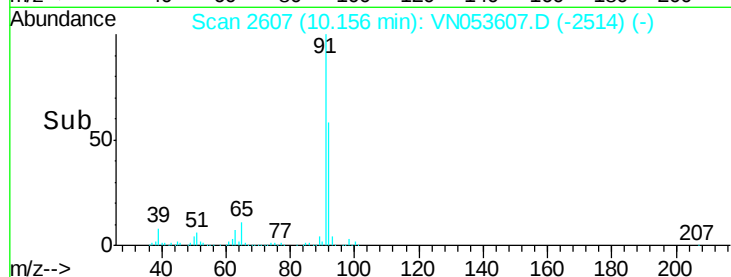
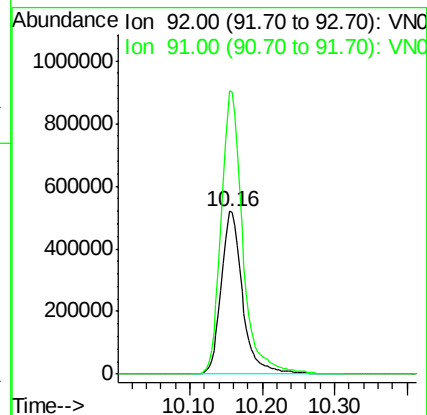
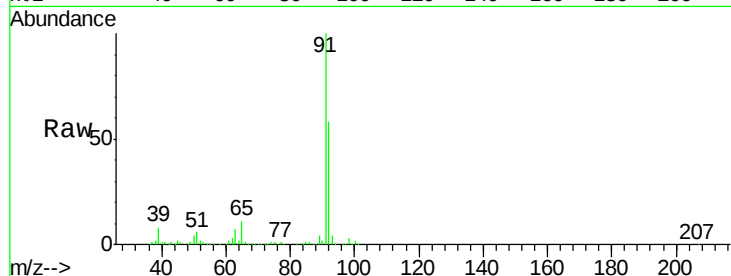
COMP-3DL

Tot Ion: 92 Resp: 1066044

Ion Ratio Lower Upper

92 100

91 174.9 139.9 209.9



#53

t-1,3-Dichloropropene

Concen: 0.941 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. -0.22 min

Lab File: VN053607.D

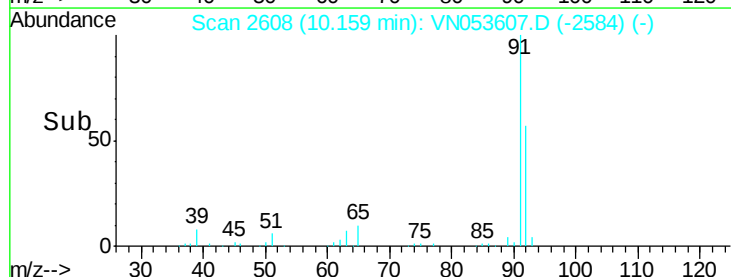
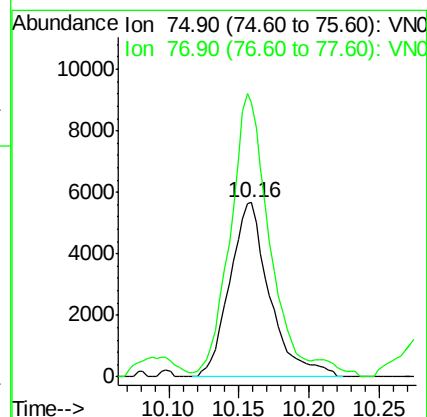
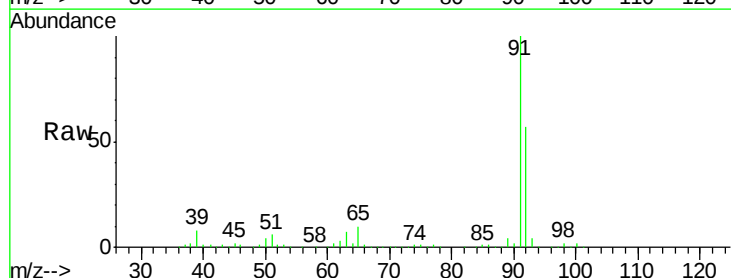
Acq: 4 Feb 2019 19:57

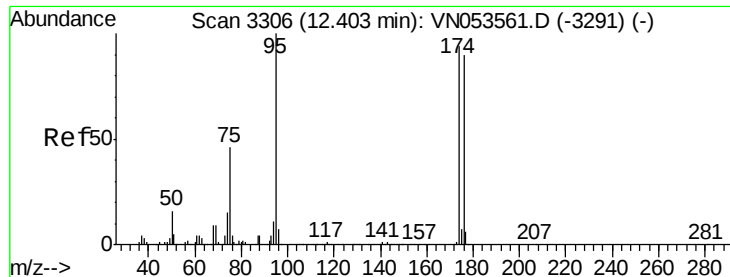
Tgt Ion: 75 Resp: 11213

Ion Ratio Lower Upper

75 100

77 155.1 25.5 38.3#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

COMP-3DL

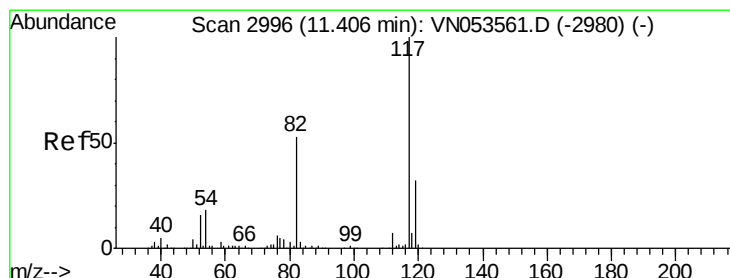
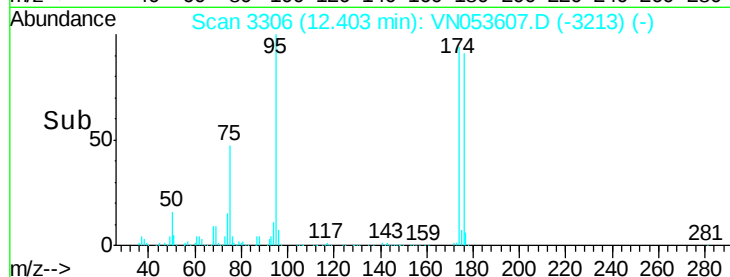
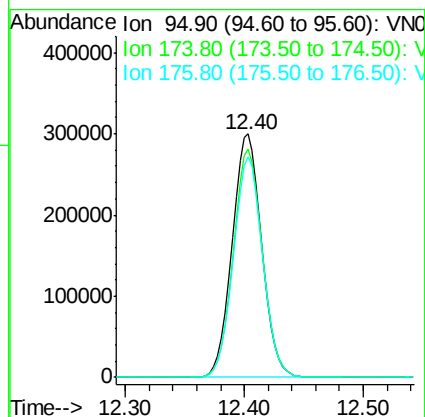
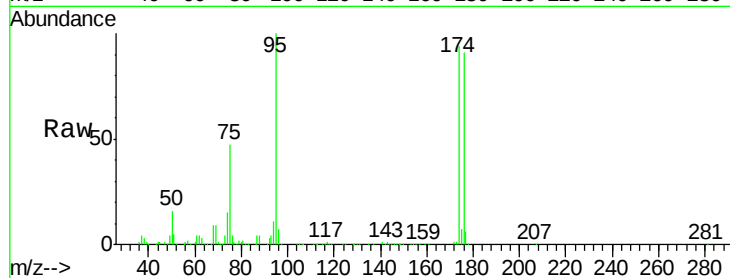
Tot Ion: 95 Resp: 514294

Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.2

176 89.7 0.0 177.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

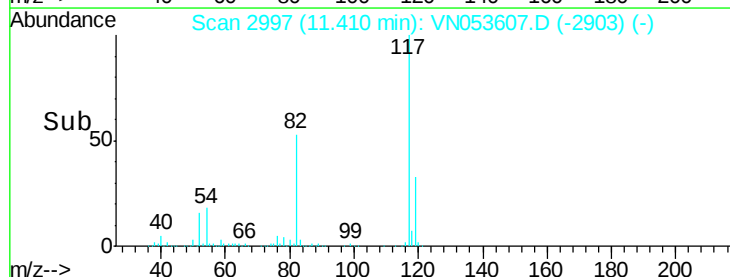
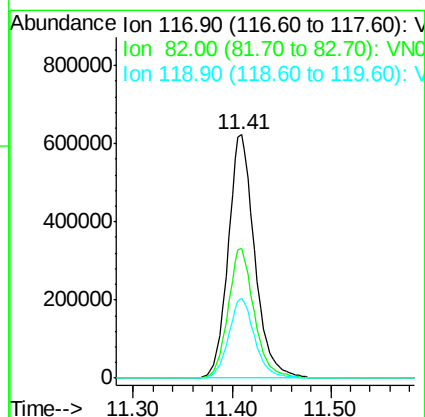
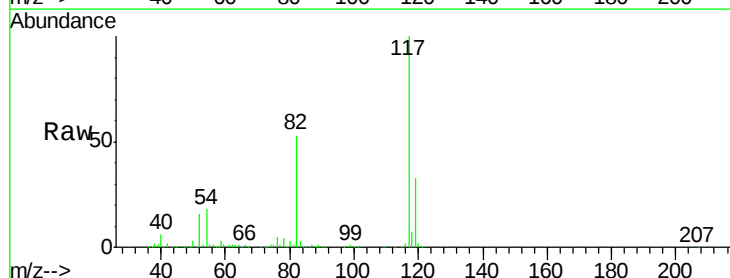
Tgt Ion: 117 Resp: 1169453

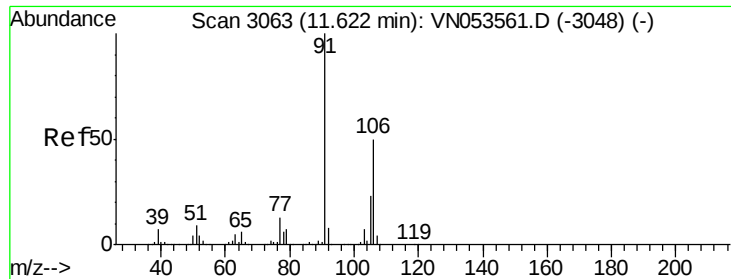
Ion Ratio Lower Upper

117 100

82 53.1 42.9 64.3

119 32.6 26.0 39.0





#68

m/p-Xylenes

Concen: 0.547 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

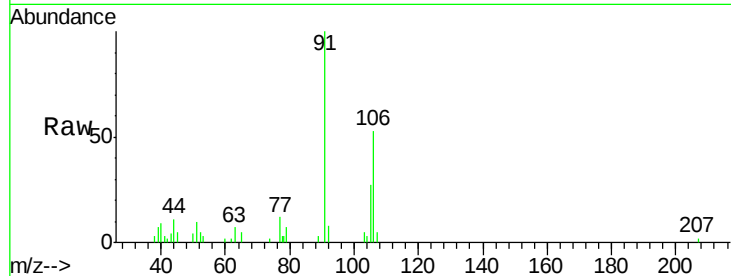
COMP-3DL

Tot Ion:106 Resp: 8513

Ion Ratio Lower Upper

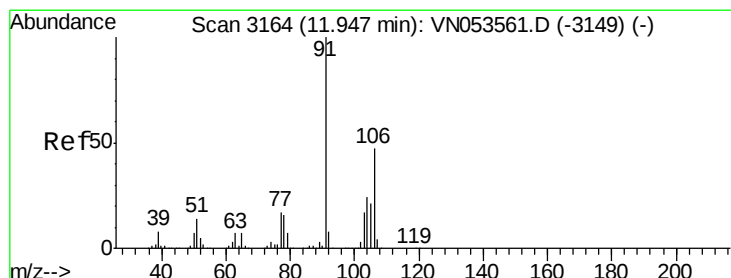
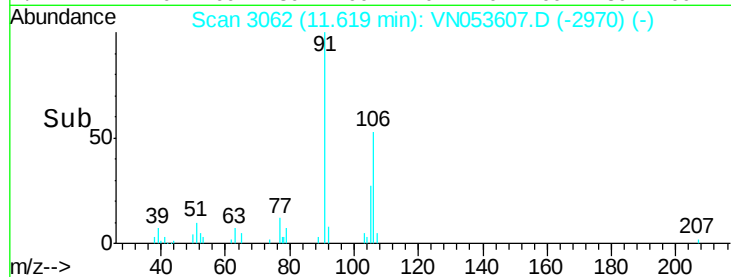
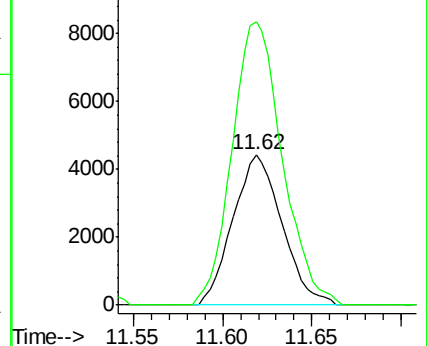
106 100

91 192.6 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.216 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053607.D

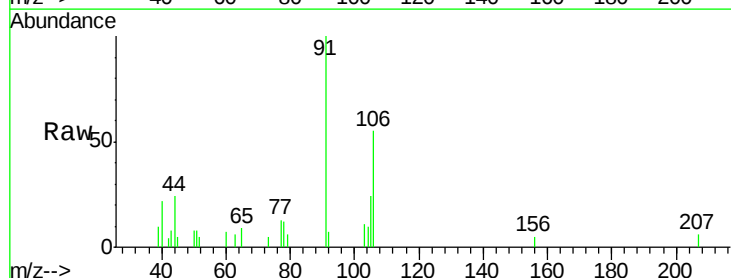
Acq: 4 Feb 2019 19:57

Tgt Ion:106 Resp: 3244

Ion Ratio Lower Upper

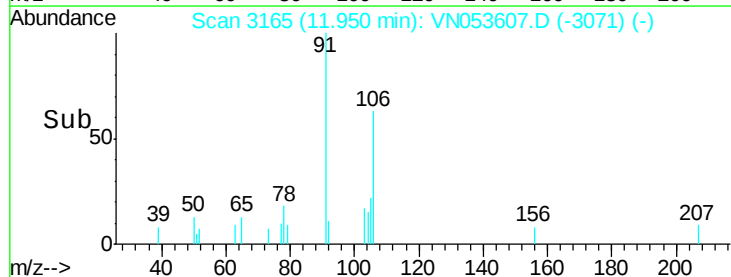
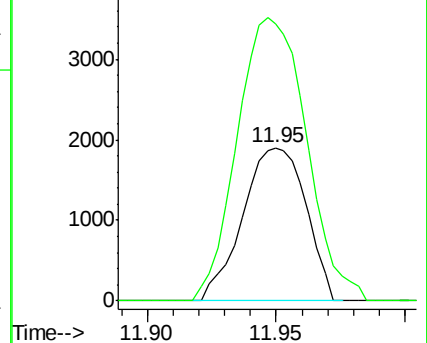
106 100

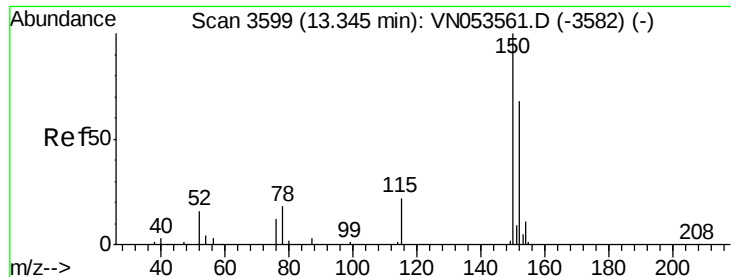
91 202.9 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

COMP-3DL

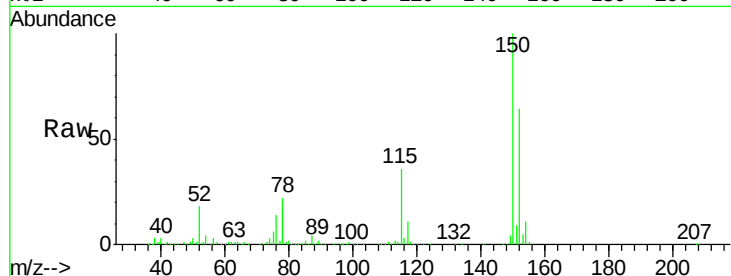
Tot Ion:152 Resp: 487719

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

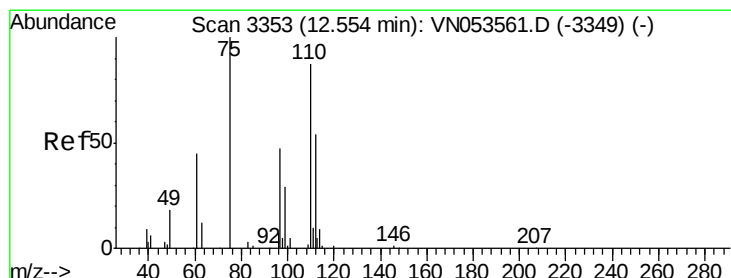
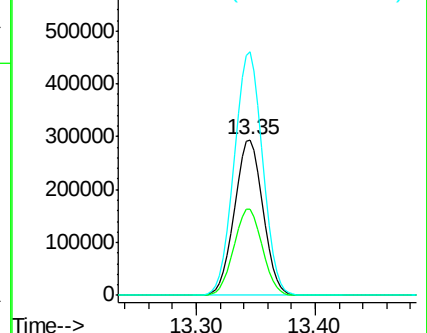
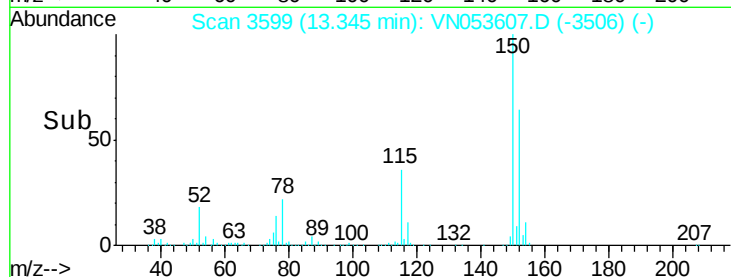
150 156.4 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 38.410 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053607.D

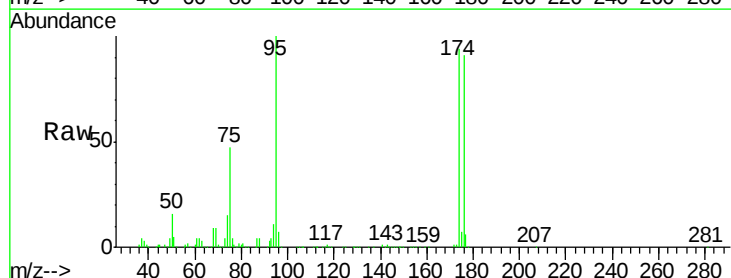
Acq: 4 Feb 2019 19:57

Tgt Ion: 75 Resp: 240615

Ion Ratio Lower Upper

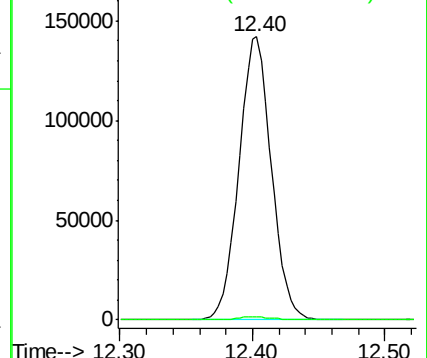
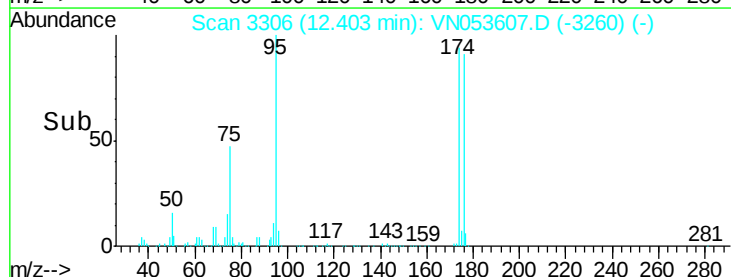
75 100

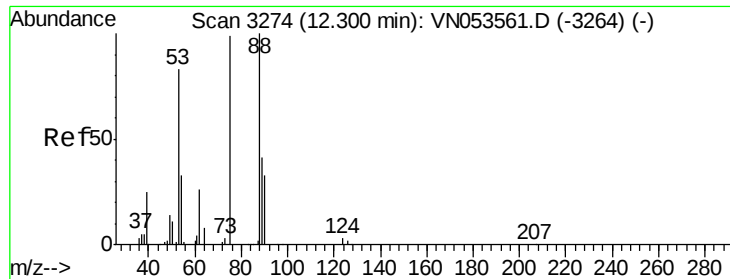
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 108.005 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

COMP-3DL

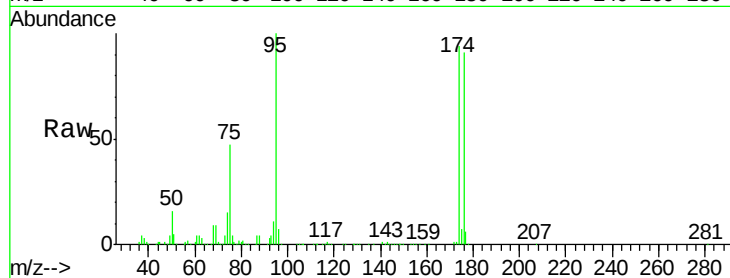
Tot Ion: 75 Resp: 240615

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

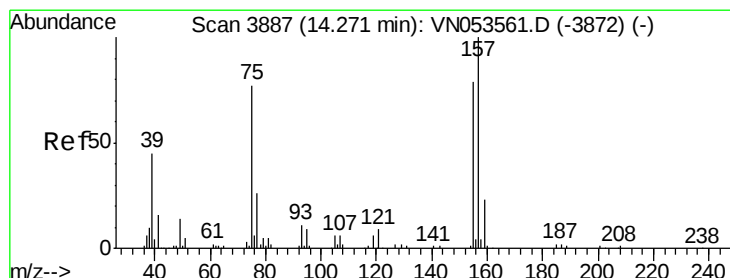
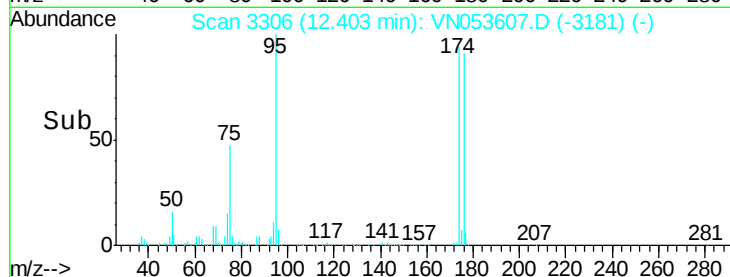
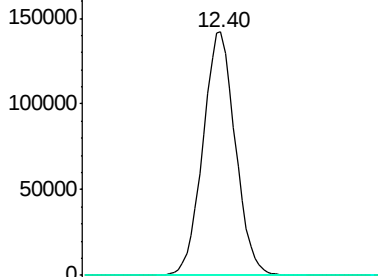
89 0.0 35.6 53.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.203 ug/l

RT: 14.10 min Scan# 3835

Delta R.T. -0.17 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

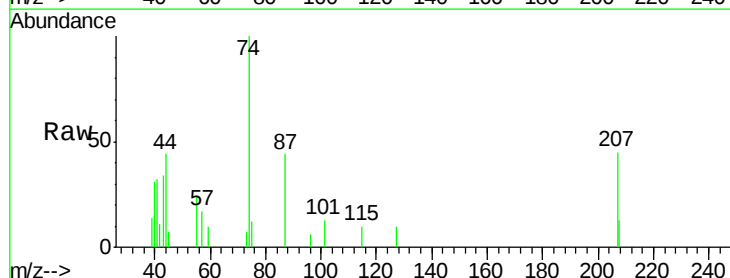
Tgt Ion: 75 Resp: 237

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

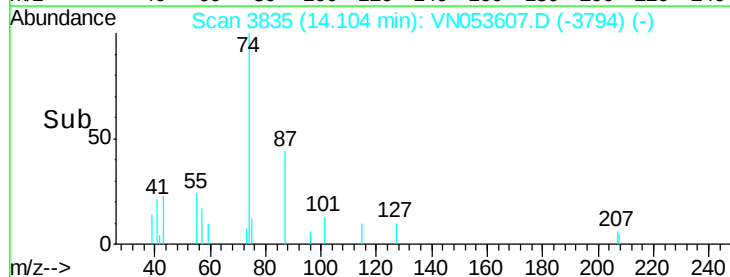
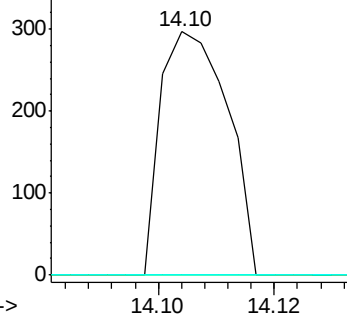
157 0.0 63.7 191.3#

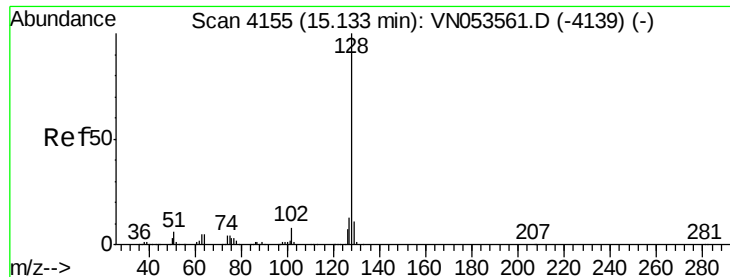


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 6.344 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053607.D

Acq: 4 Feb 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

COMP-3DL

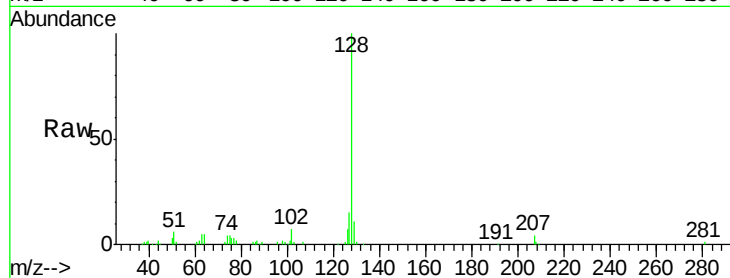
Tot Ion:128 Resp: 102280

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 10.3 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

