

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050339.D
 Acq On : 4 Aug 2018 3:00
 Operator : MD\SY
 Sample : J4310-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-2

Quant Time: Aug 04 05:36:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	646518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1077483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	937058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	394171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	460190	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	7.59	113	403106	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
50) Toluene-d8	10.09	98	1476634	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
62) 4-Bromofluorobenzene	12.40	95	429609	40.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.68%	

Target Compounds

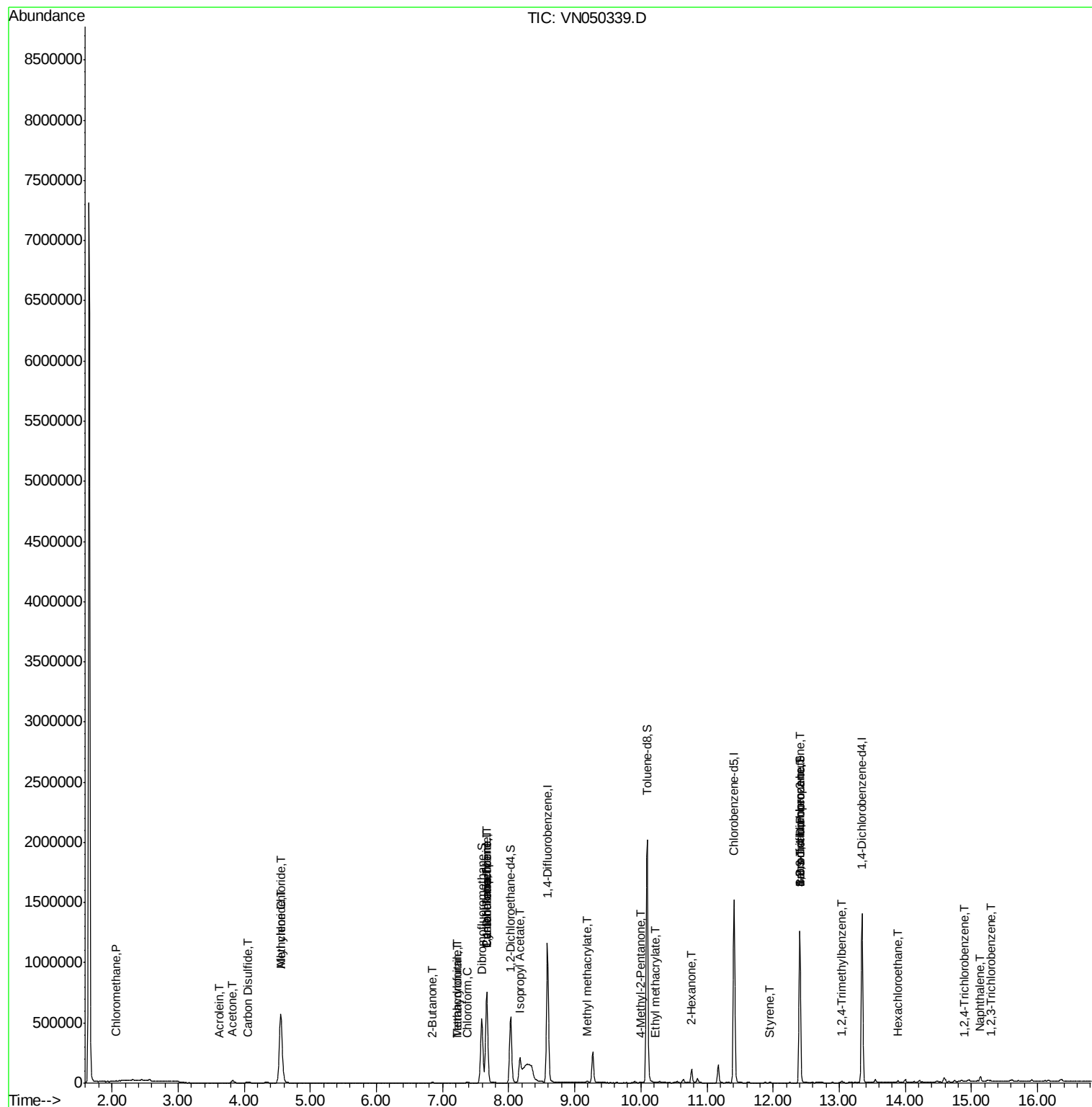
						Qvalue
3) Chloromethane	2.06	50	3147	0.31	ug/l	98
5) Bromomethane	2.56	94	4352	Below	Cal	85
13) Acrolein	3.62	56	1023	1.92	ug/l	94
14) Allyl chloride	4.54	41	15268	1.32	ug/l #	24
16) Acetone	3.82	43	34422	12.07	ug/l	99
17) Carbon Disulfide	4.05	76	16071	0.70	ug/l #	94
20) Methylene Chloride	4.55	84	459329	57.62	ug/l	98
25) 2-Butanone	6.84	43	3043	0.88	ug/l #	89
29) Tetrahydrofuran	7.21	42	510	0.23	ug/l #	86
30) Chloroform	7.38	83	7336	0.48	ug/l	90
31) Cyclohexane	7.67	56	12628	0.95	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44541	3.67	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57279	4.45	ug/l #	17
41) Methacrylonitrile	7.22	41	1115	2.99	ug/l #	22
43) Isopropyl Acetate	8.17	43	263644	15.75	ug/l	94
48) Methyl methacrylate	9.19	41	9212	1.26	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	3060	0.37	ug/l	91
56) Ethyl methacrylate	10.23	69	2236	2.21	ug/l #	71
59) 2-Hexanone	10.77	43	16777	7.86	ug/l #	56
70) Styrene	11.96	104	191	0.93	ug/l #	58
71) Bromoform	12.41	173	3812	0.58	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	31	Below	Cal #	25
76) 1,2,3-Trichloropropane	12.40	75	208378	28.45	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	208378	90.23	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	8868	0.37	ug/l	97
90) Hexachloroethane	13.90	117	1112	0.21	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.32	75	31	Below	Cal #	1
93) 1,2,4-Trichlorobenzene	14.90	180	219	3.11	ug/l #	1
95) Naphthalene	15.14	128	40114	6.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	68	2.21	ug/l #	1

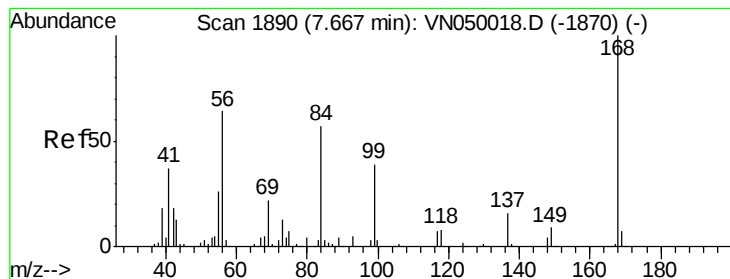
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

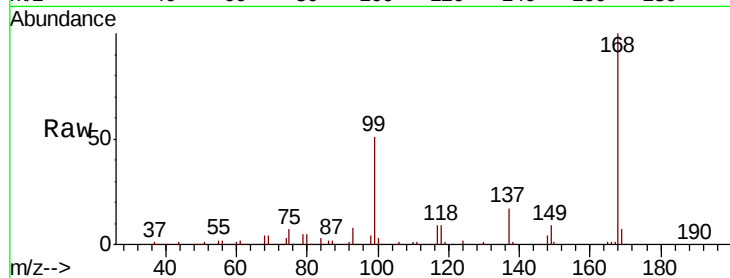
C-2

Tot Ion:168 Resp: 646518

Ion Ratio Lower Upper

168 100

99 50.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

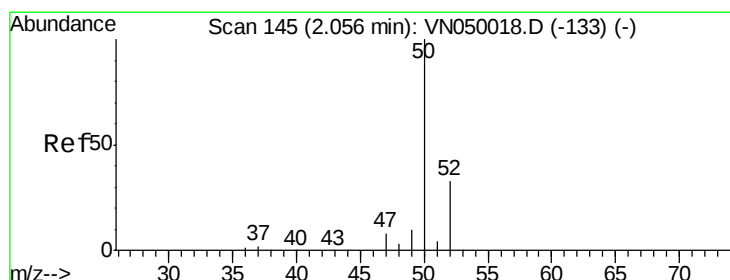
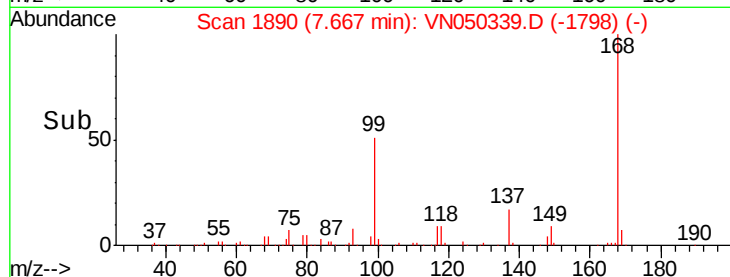
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.31 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050339.D

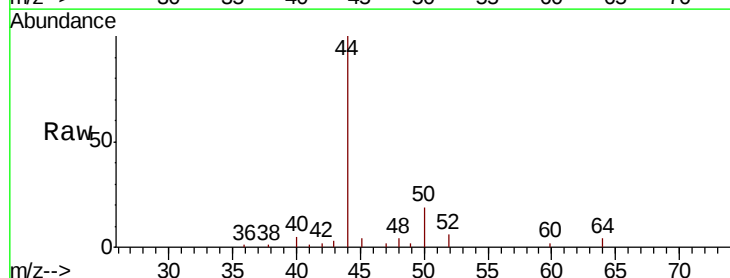
Acq: 4 Aug 2018 3:00

Tgt Ion: 50 Resp: 3147

Ion Ratio Lower Upper

50 100

52 33.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2500

2000

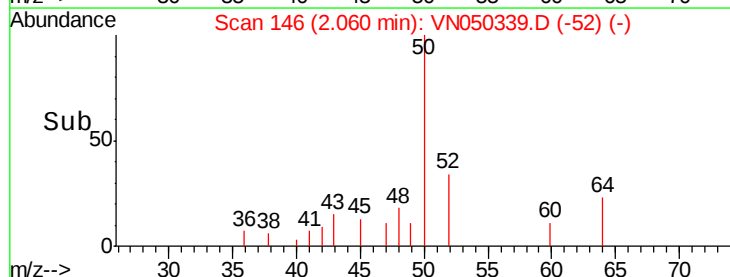
1500

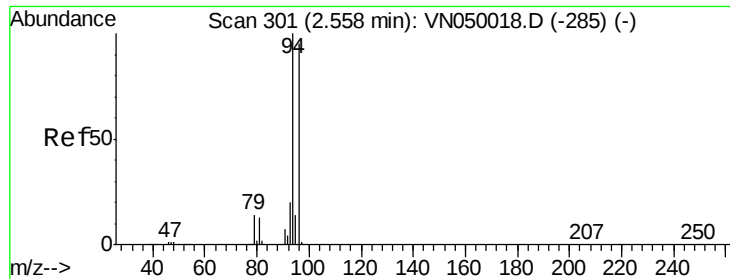
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

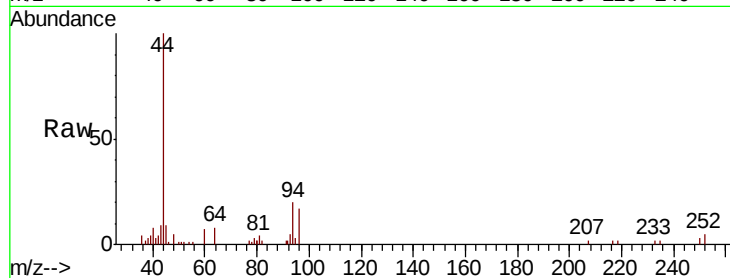
C-2

Tot Ion: 94 Resp: 4352

Ion Ratio Lower Upper

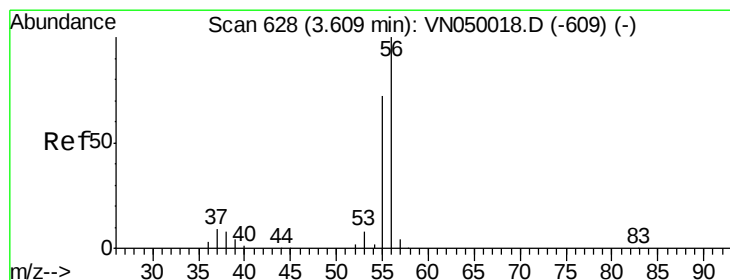
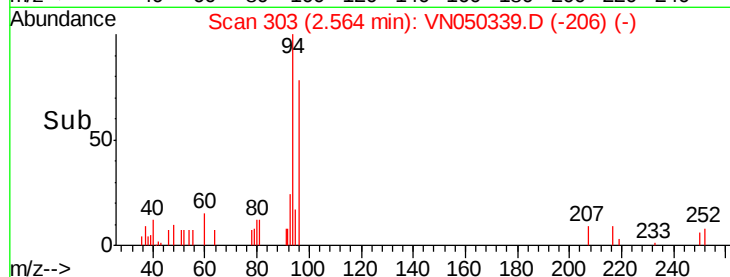
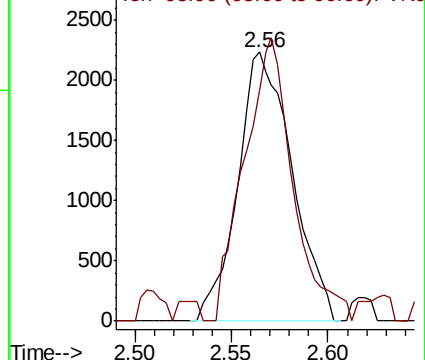
94 100

96 78.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#13

Acrolein

Concen: 1.92 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN050339.D

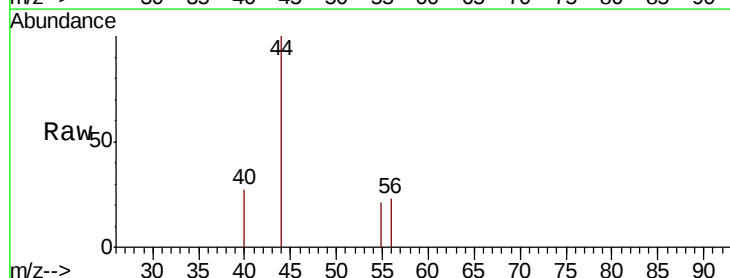
Acq: 4 Aug 2018 3:00

Tgt Ion: 56 Resp: 1023

Ion Ratio Lower Upper

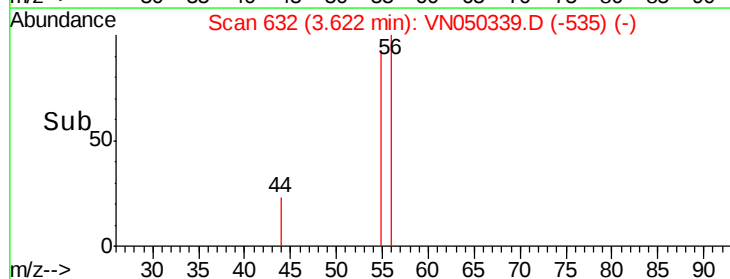
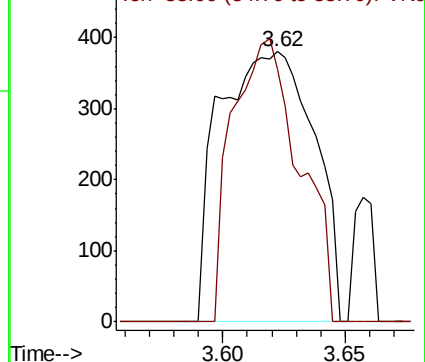
56 100

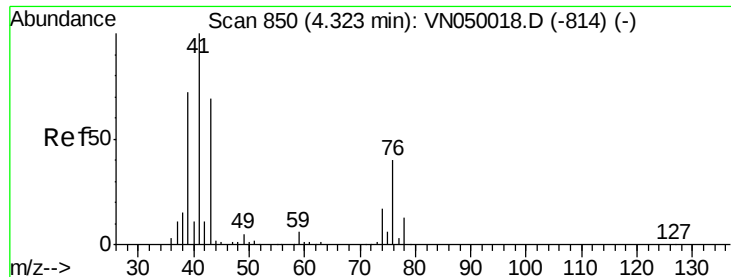
55 74.6 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#14

Allvl chloride

Concen: 1.32 ug/l

RT: 4.54 min Scan# 919

Delta R.T. 0.22 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :
MSVOA_N
ClientSampleId :
C-2

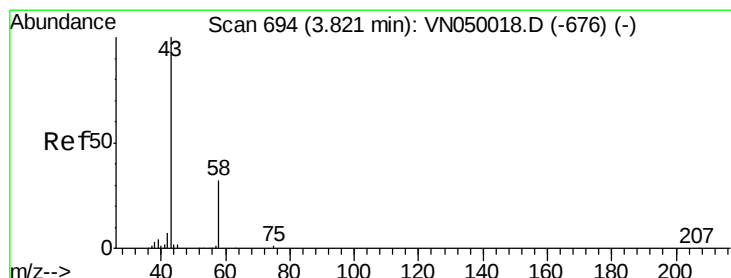
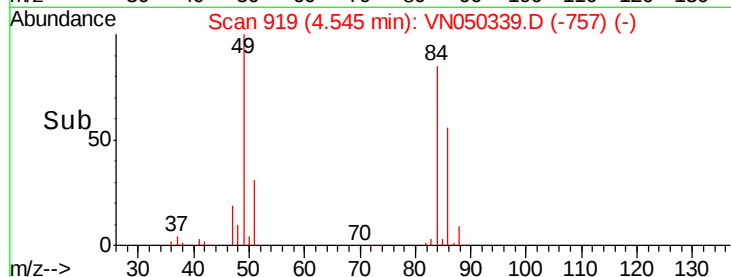
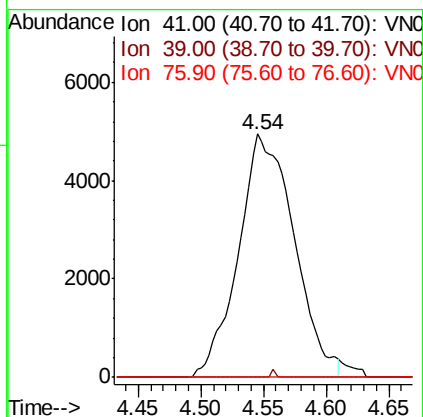
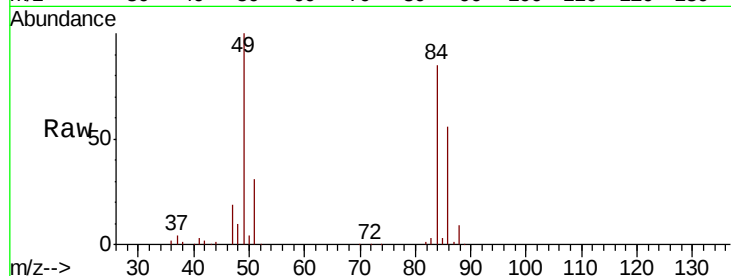
Tot Ion: 41 Resp: 15268

Ion Ratio Lower Upper

41 100

39 0.2 54.2 81.4#

76 0.0 29.0 43.6#



#16

Acetone

Concen: 12.07 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050339.D

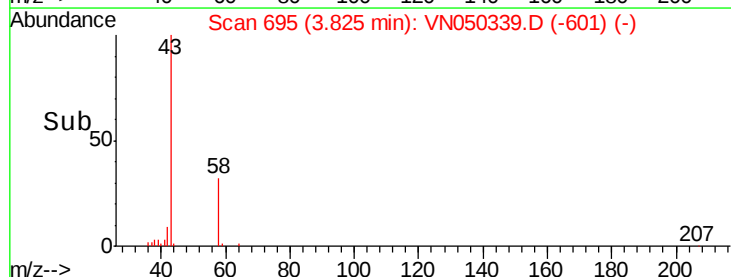
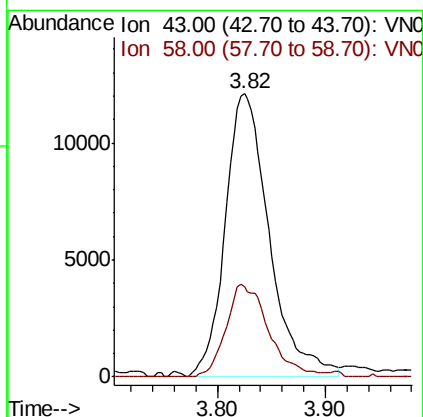
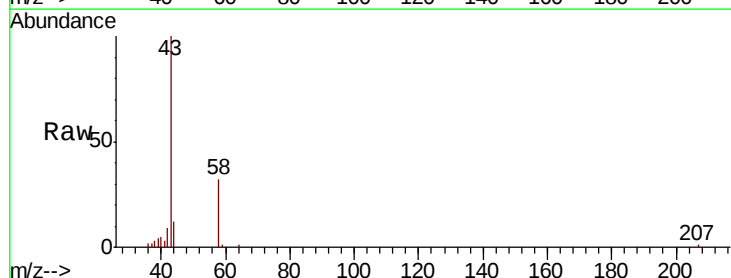
Acq: 4 Aug 2018 3:00

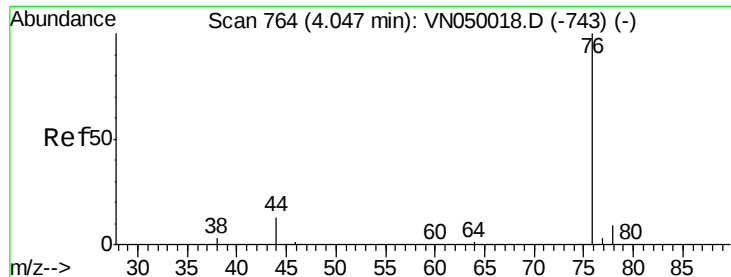
Tgt Ion: 43 Resp: 34422

Ion Ratio Lower Upper

43 100

58 31.9 25.8 38.8

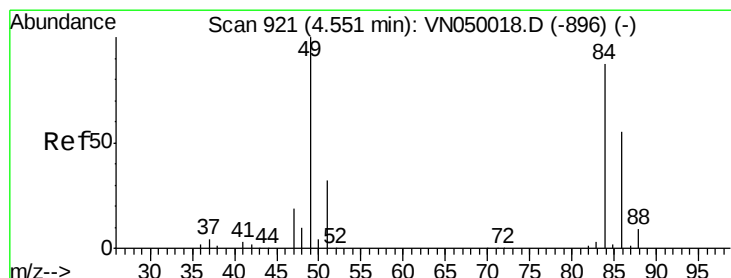
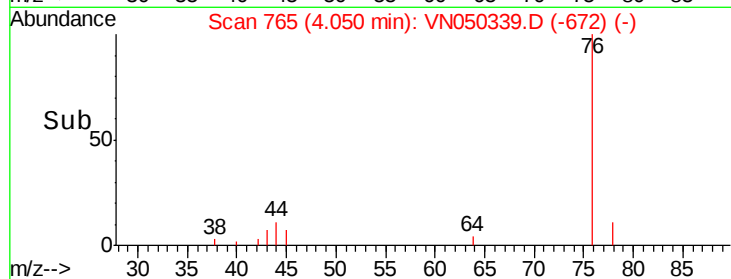
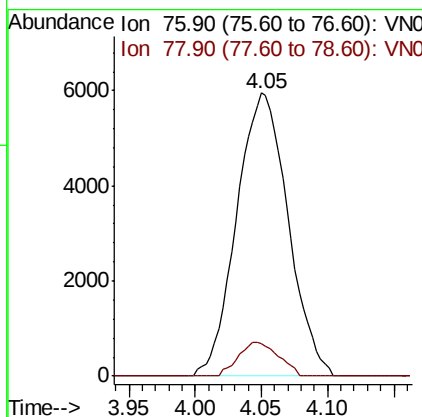
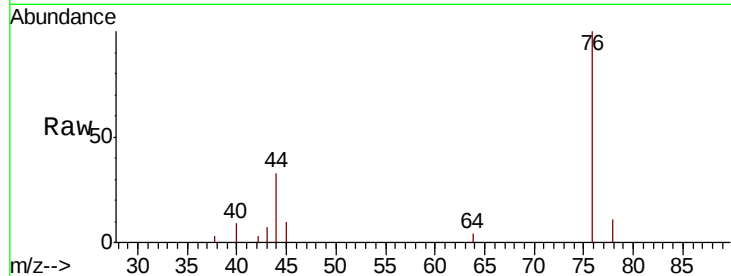




#17
Carbon Disulfide
Concen: 0.70 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050339.D
Acq: 4 Aug 2018 3:00

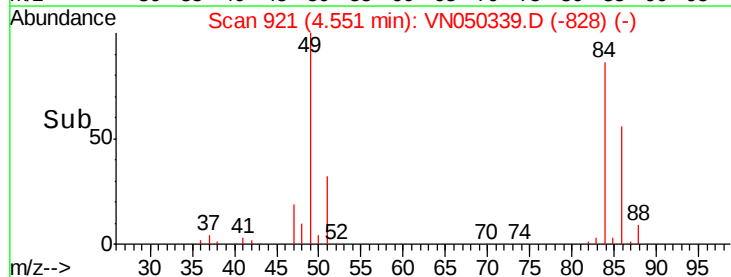
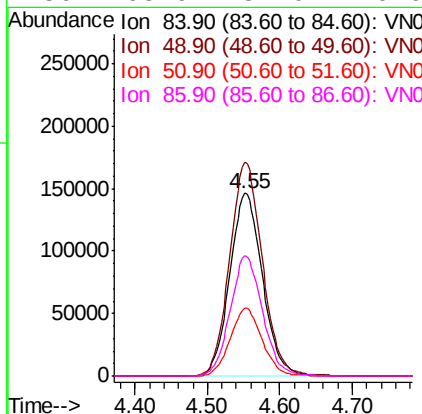
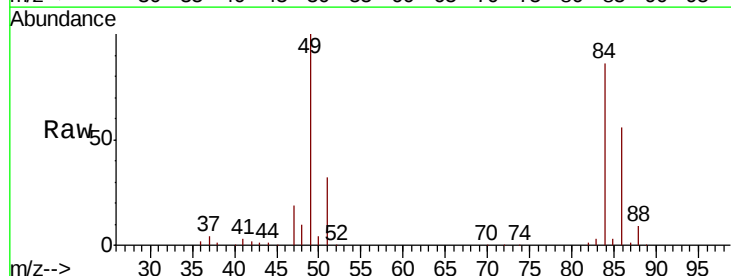
Instrument :
MSVOA_N
ClientSampleId :
C-2

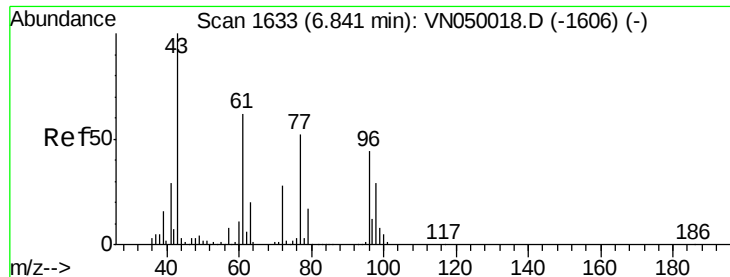
Tot Ion: 76 Resp: 16071
Ion Ratio Lower Upper
76 100
78 11.4 7.3 10.9#



#20
Methylene Chloride
Concen: 57.62 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050339.D
Acq: 4 Aug 2018 3:00

Tgt Ion: 84 Resp: 459329
Ion Ratio Lower Upper
84 100
49 116.8 94.8 142.2
51 37.0 28.3 42.5
86 65.9 51.0 76.6





#25

2-Butanone

Concen: 0.88 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

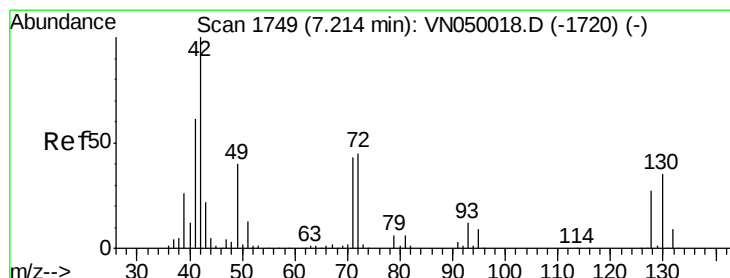
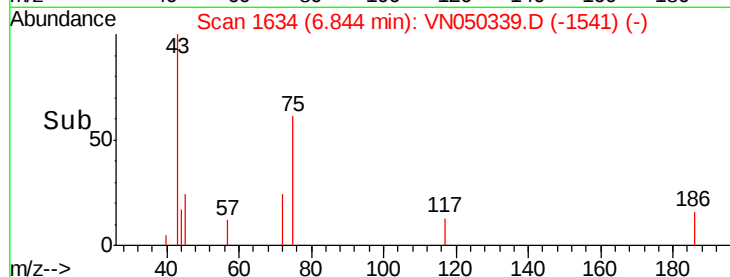
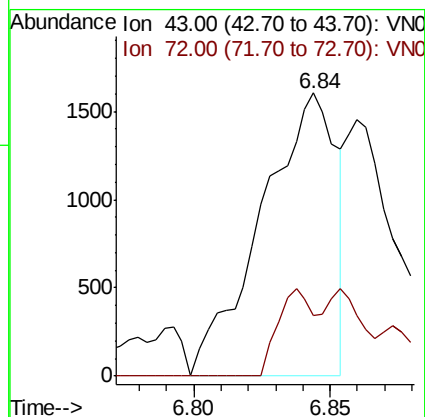
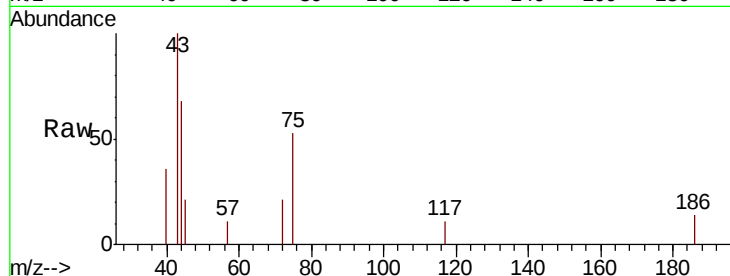
C-2

Tot Ion: 43 Resp: 3043

Ion Ratio Lower Upper

43 100

72 21.3 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.01 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

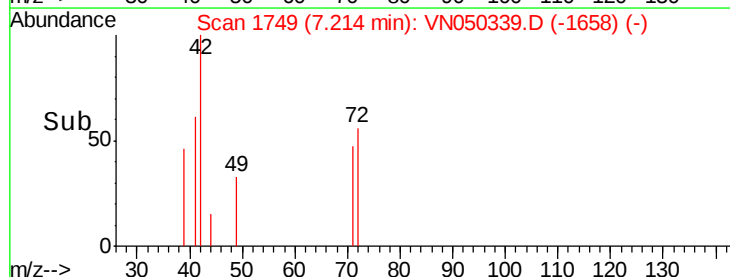
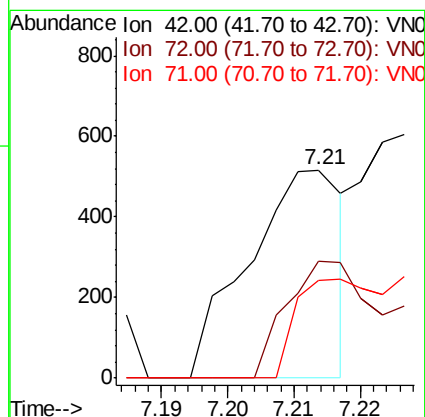
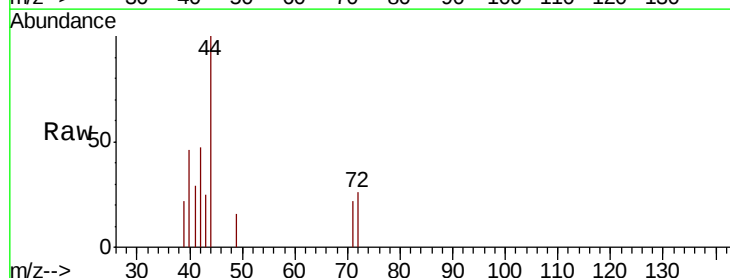
Tgt Ion: 42 Resp: 510

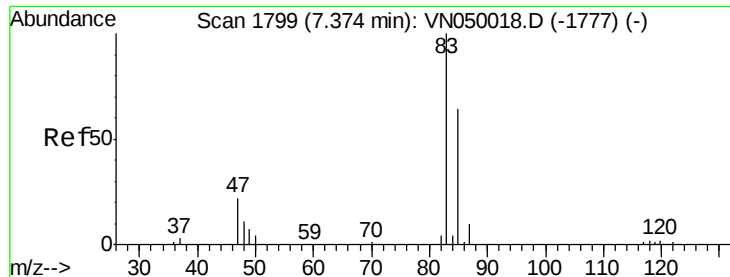
Ion Ratio Lower Upper

42 100

72 62.2 35.9 53.9#

71 42.5 33.7 50.5

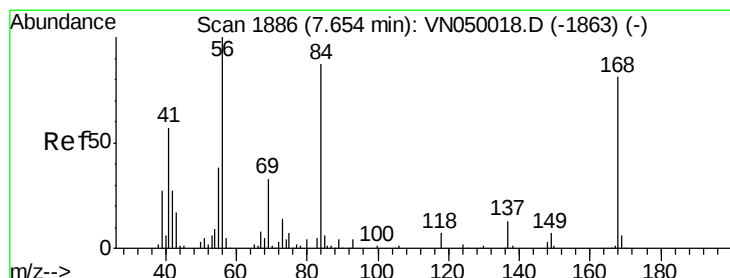
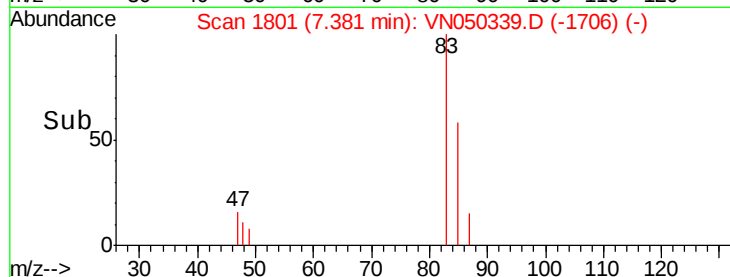
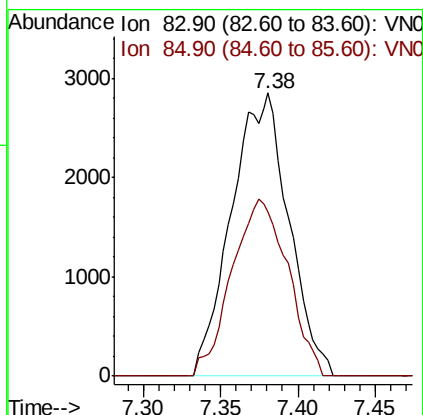
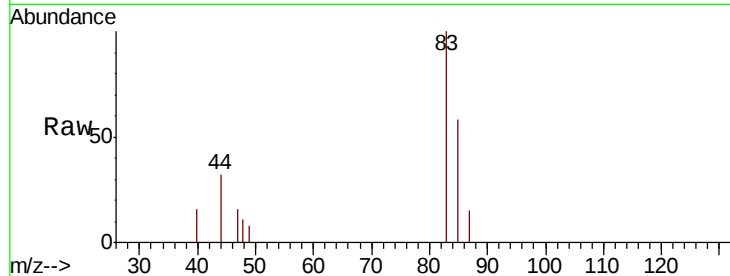




#30
Chloroform
Concen: 0.48 ug/l
RT: 7.38 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VN050339.D
Acq: 4 Aug 2018 3:00

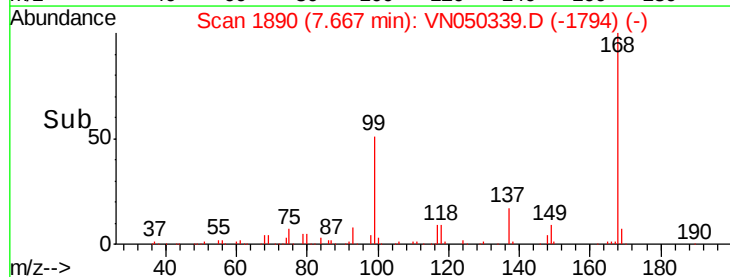
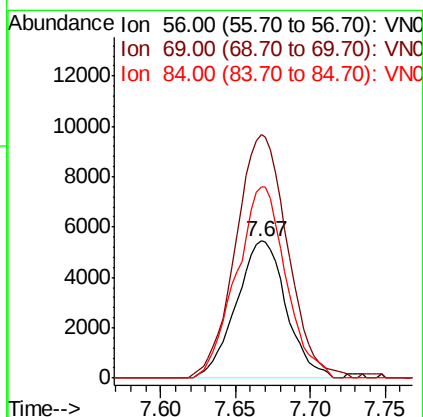
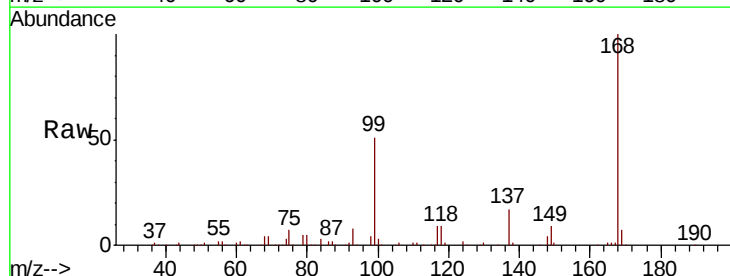
Instrument :
MSVOA_N
ClientSampleId :
C-2

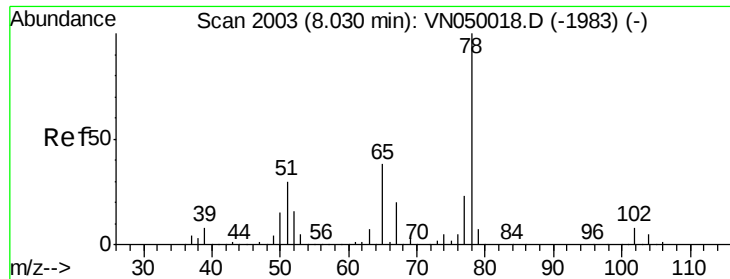
Tot Ion: 83 Resp: 7336
Ion Ratio Lower Upper
83 100
85 57.9 52.5 78.7



#31
Cyclohexane
Concen: 0.95 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050339.D
Acq: 4 Aug 2018 3:00

Tgt Ion: 56 Resp: 12628
Ion Ratio Lower Upper
56 100
69 177.6 26.2 39.4#
84 139.3 67.4 101.0#

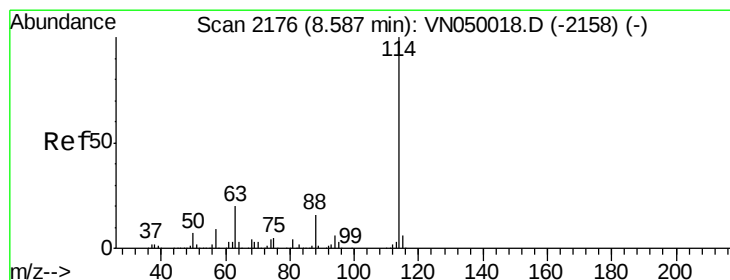
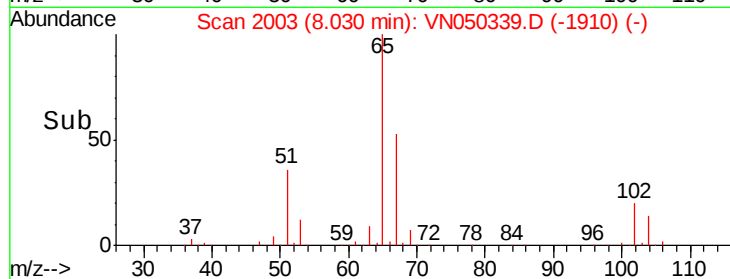
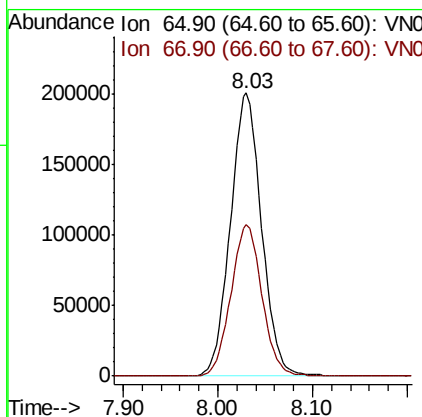
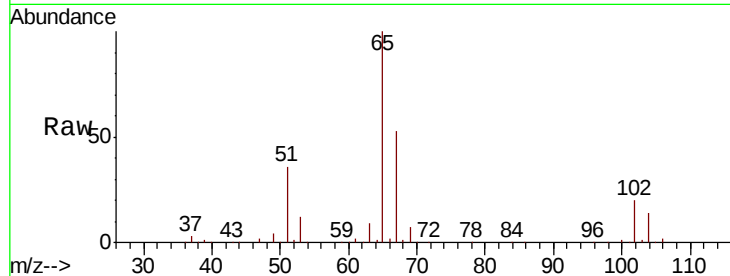




#33
 1,2-Dichloroethane-d4
 Concen: 51.02 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050339.D
 Acq: 4 Aug 2018 3:00

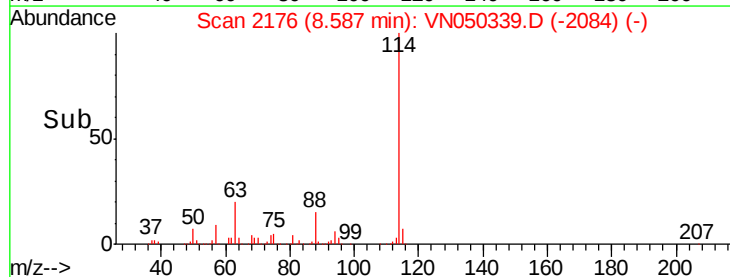
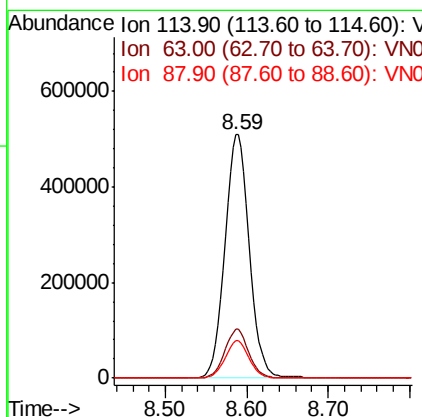
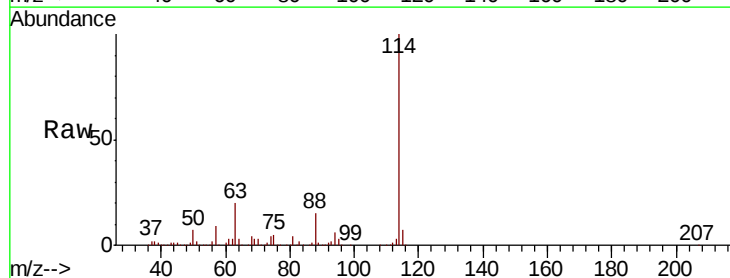
Instrument :
 MSVOA_N
 ClientSampleId :
 C-2

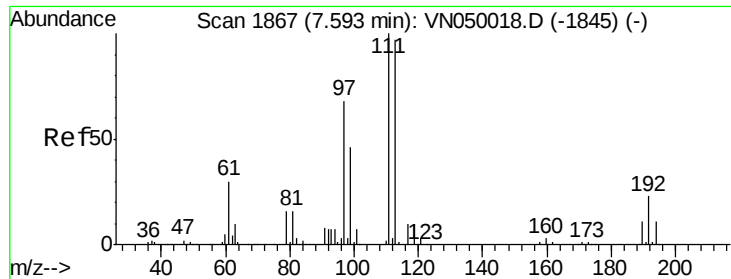
Tot Ion: 65 Resp: 460190
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050339.D
 Acq: 4 Aug 2018 3:00

Tgt Ion: 114 Resp: 1077483
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.4 0.0 31.2

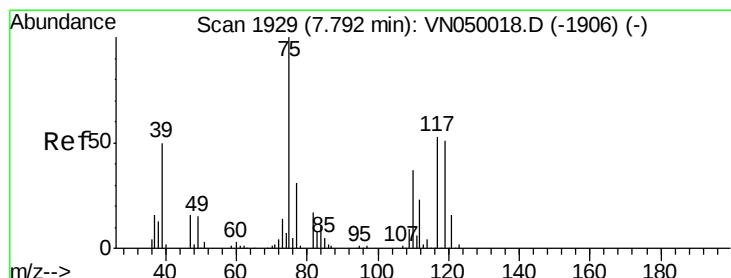
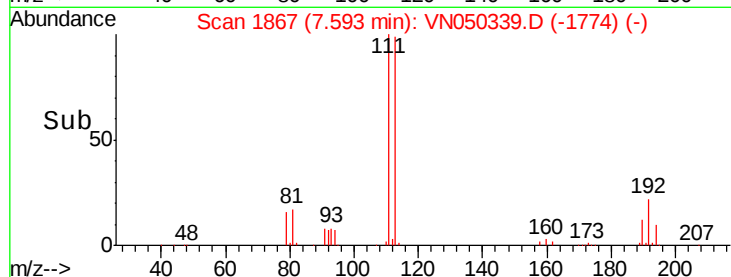
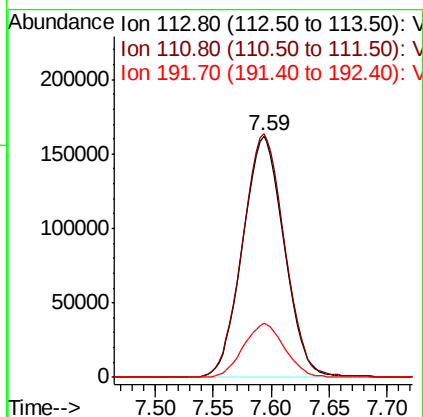
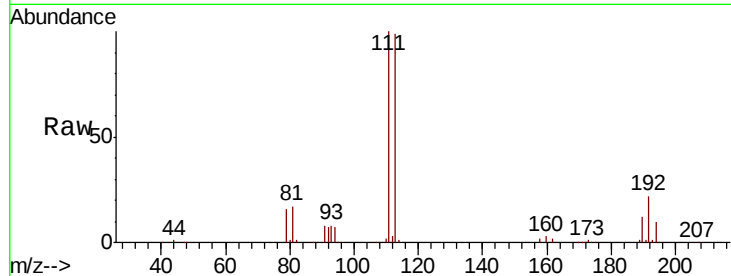




#35
 Dibromofluoromethane
 Concen: 45.82 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050339.D
 Acq: 4 Aug 2018 3:00

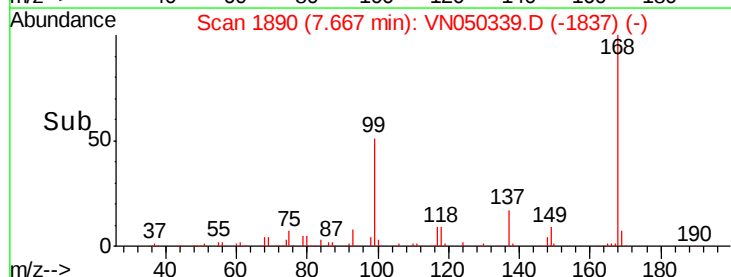
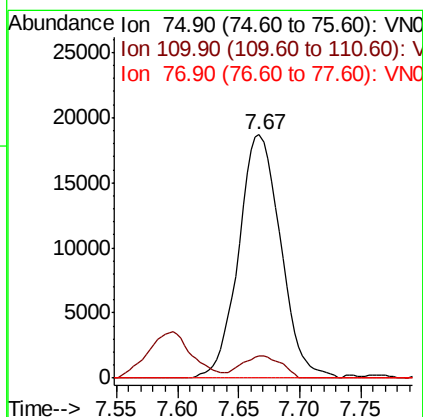
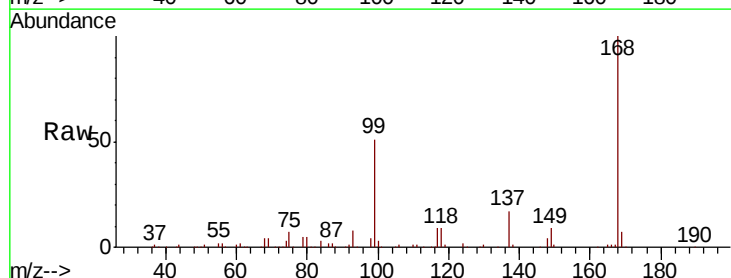
Instrument :
 MSVOA_N
 ClientSampleId :
 C-2

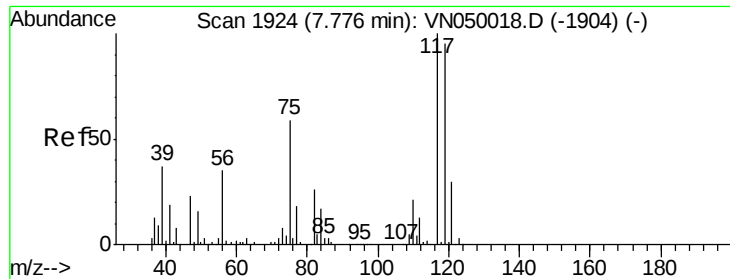
Tot Ion:113 Resp: 403106
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.7 121.1
 192 22.3 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.67 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050339.D
 Acq: 4 Aug 2018 3:00

Tgt Ion: 75 Resp: 44541
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.45 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

C-2

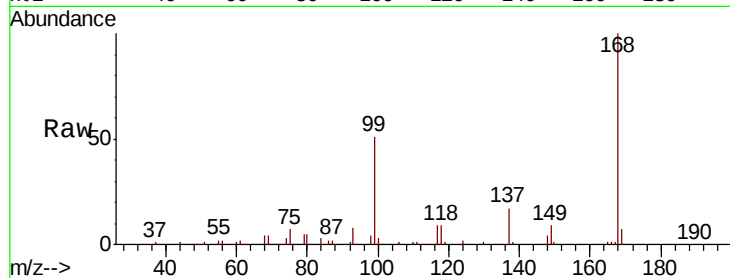
Tot Ion:117 Resp: 57279

Ion Ratio Lower Upper

117 100

119 7.0 77.4 116.0#

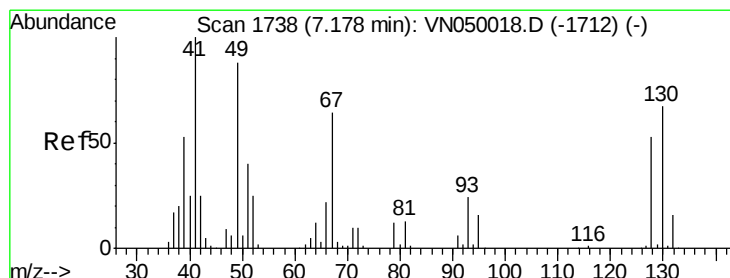
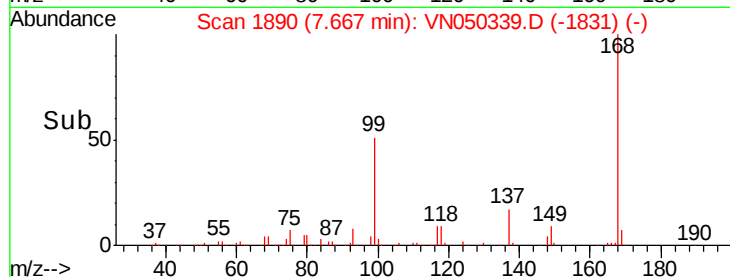
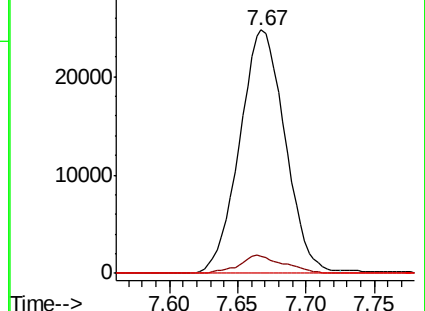
121 0.0 23.9 35.9#



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



#41

Methacrylonitrile

Concen: 2.99 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.05 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Tgt Ion: 41 Resp: 1115

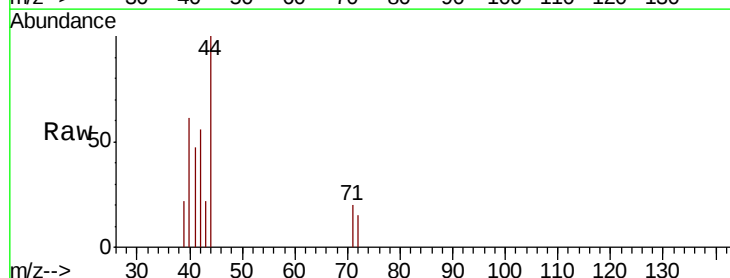
Ion Ratio Lower Upper

41 100

39 31.4 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

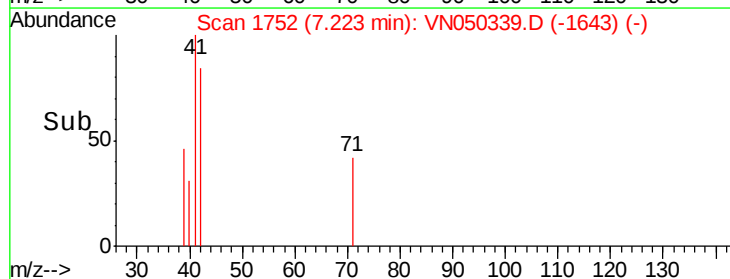
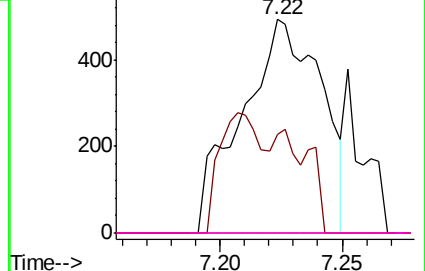


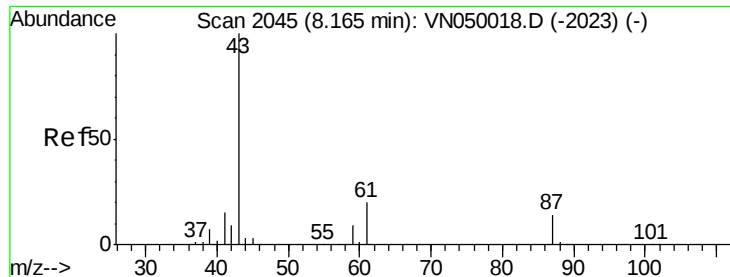
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 15.75 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

C-2

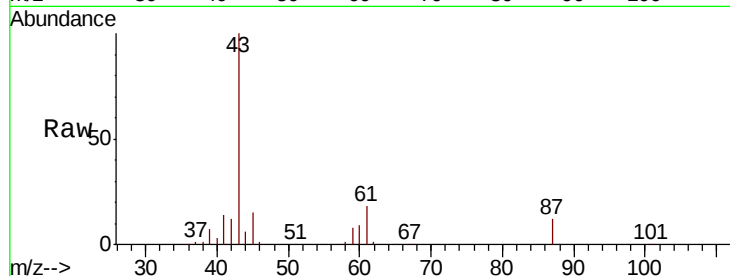
Tot Ion: 43 Resp: 263644

Ion Ratio Lower Upper

43 100

61 16.7 15.8 23.6

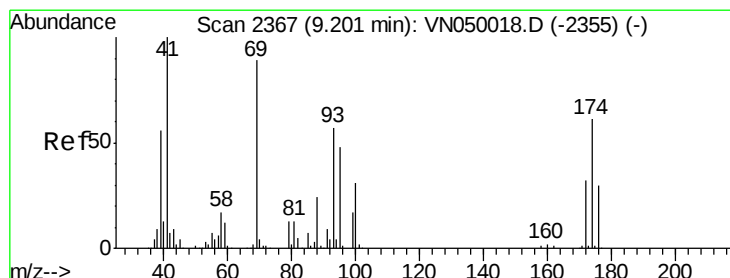
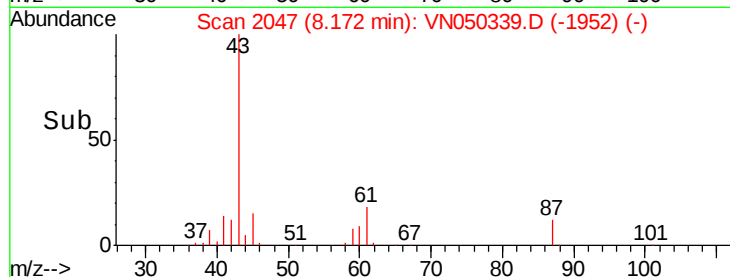
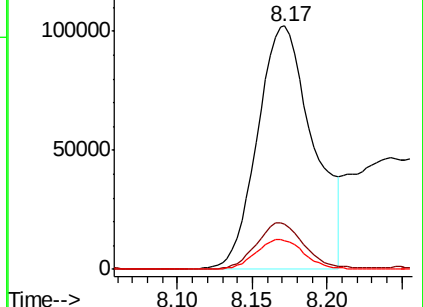
87 10.5 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.26 ug/l

RT: 9.19 min Scan# 2363

Delta R.T. -0.02 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

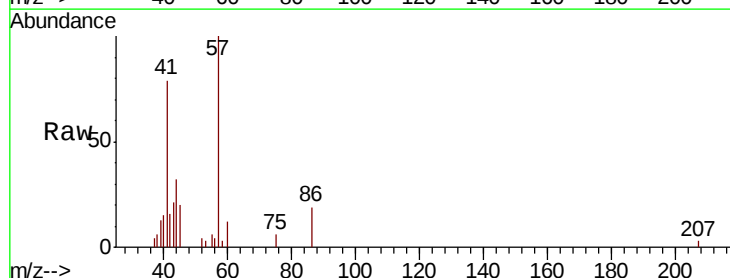
Tgt Ion: 41 Resp: 9212

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

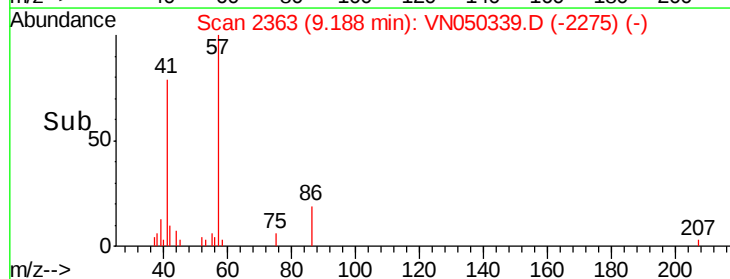
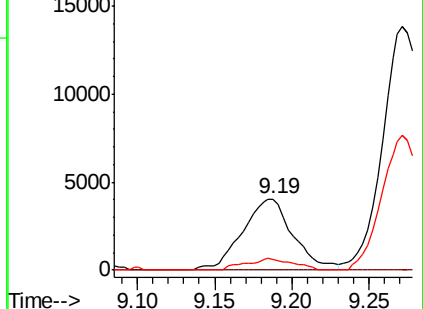
39 15.2 43.9 65.9#

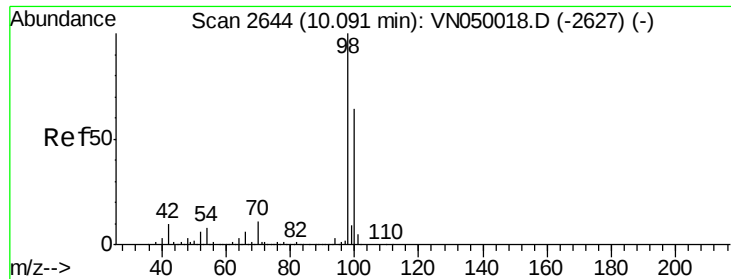


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

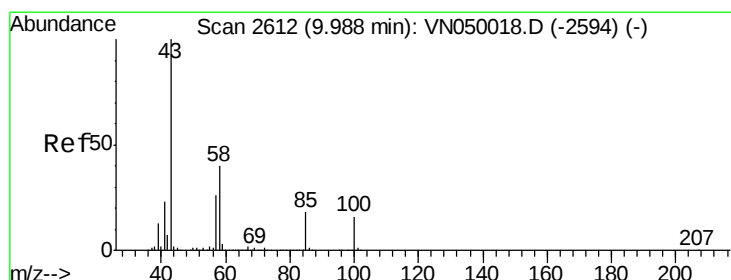
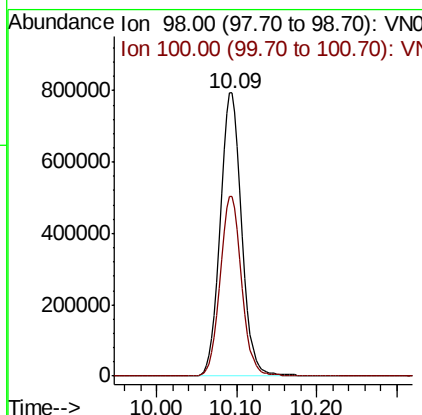
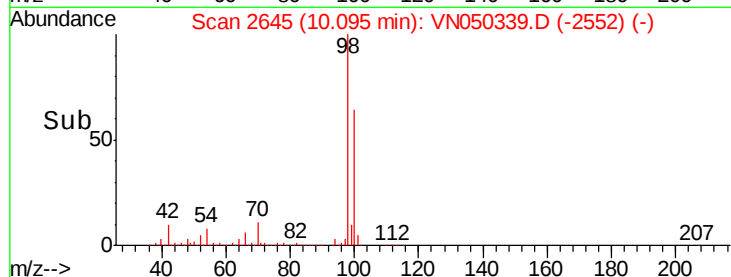
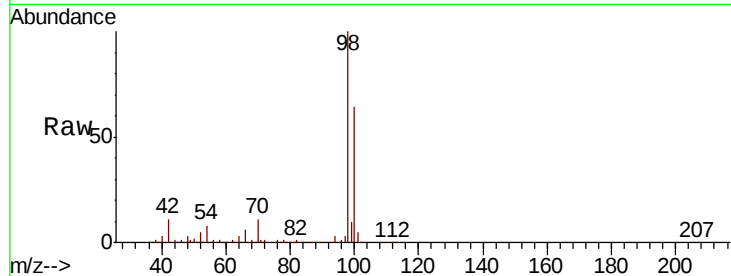




#50
Toluene-d8
Concen: 45.66 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050339.D
Acq: 4 Aug 2018 3:00

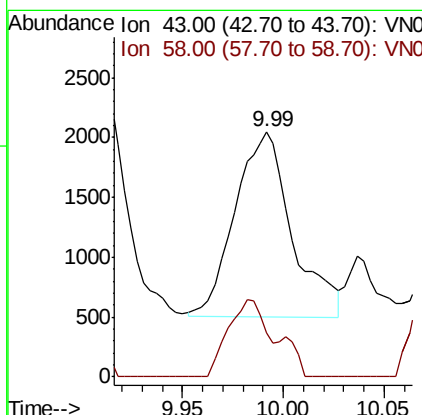
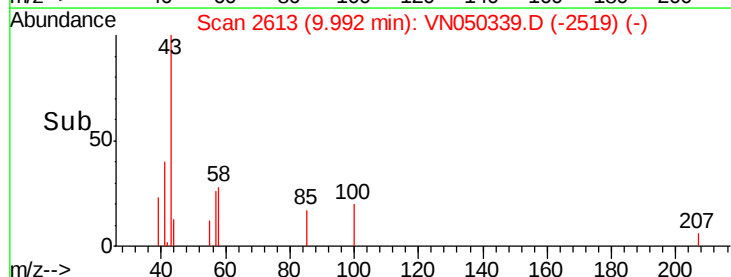
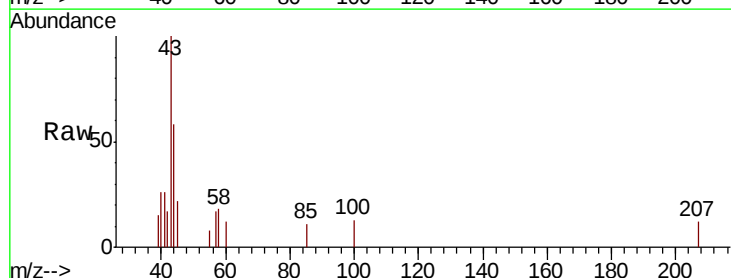
Instrument :
MSVOA_N
ClientSampled :
C-2

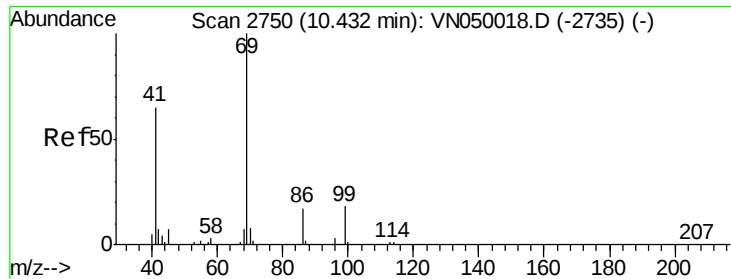
Tot Ion: 98 Resp: 1476634
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.37 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.00 min
Lab File: VN050339.D
Acq: 4 Aug 2018 3:00

Tgt Ion: 43 Resp: 3060
Ion Ratio Lower Upper
43 100
58 34.4 31.9 47.9





#56

Ethyl methacrylate

Concen: 2.21 ug/l

RT: 10.23 min Scan# 2688

Delta R.T. -0.20 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

C-2

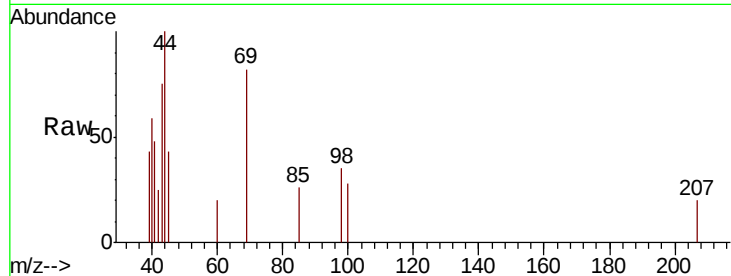
Tot Ion: 69 Resp: 2236

Ion Ratio Lower Upper

69 100

41 38.3 51.0 76.4#

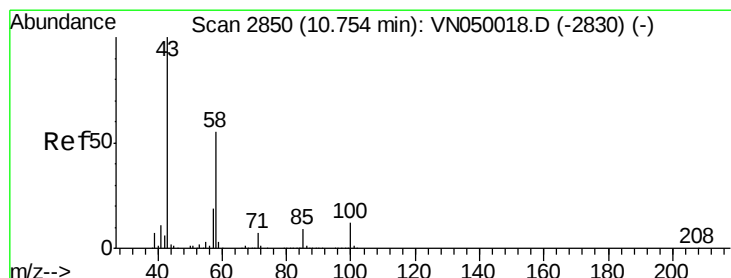
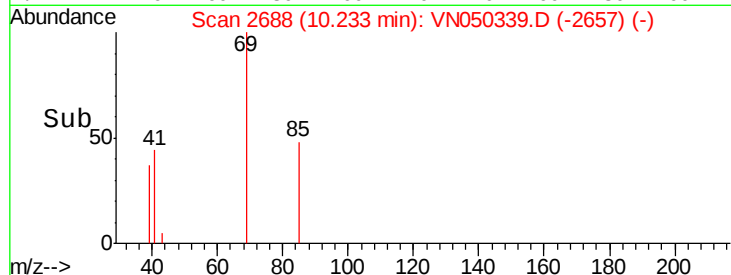
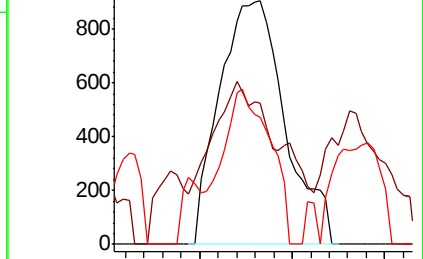
39 45.4 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 7.86 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050339.D

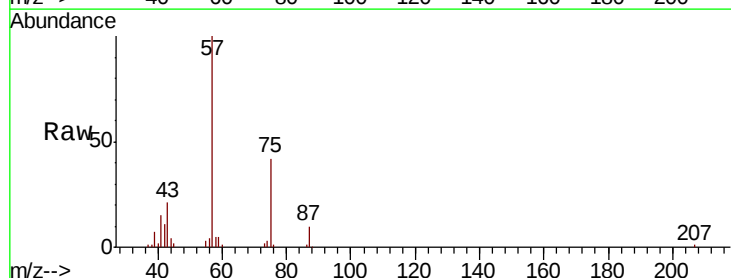
Acq: 4 Aug 2018 3:00

Tgt Ion: 43 Resp: 16777

Ion Ratio Lower Upper

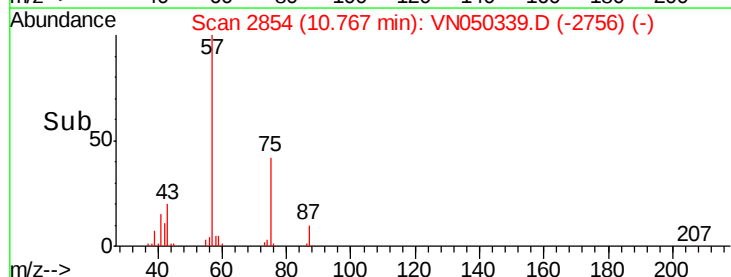
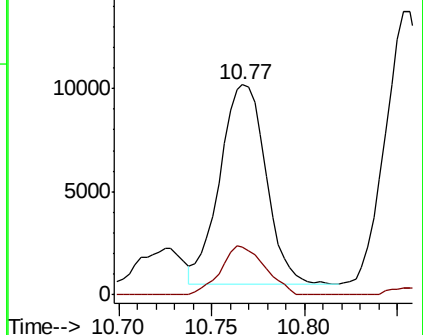
43 100

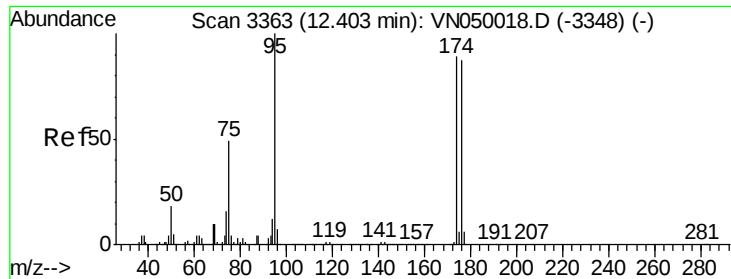
58 23.5 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 40.34 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

C-2

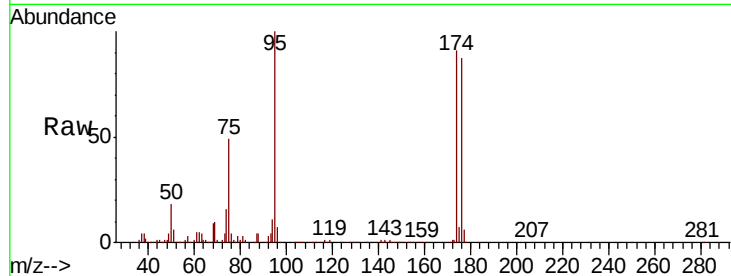
Tot Ion: 95 Resp: 429609

Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.2

176 87.5 0.0 173.4

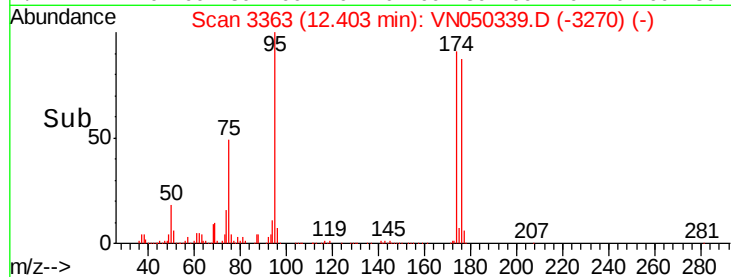


Abundance Ion 94.90 (94.60 to 95.60): VN050018.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050018.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050018.D (-3348) (-)

Time--> 12.30 12.40 12.50

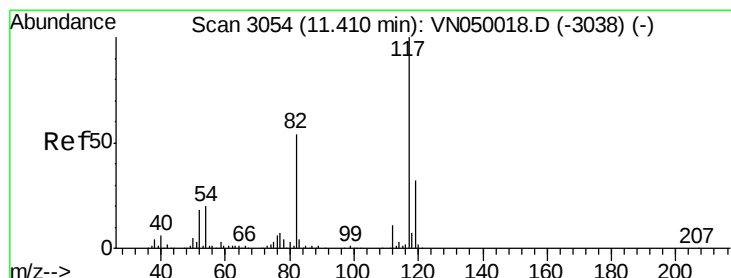


Abundance Ion 94.90 (94.60 to 95.60): VN050339.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN050339.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN050339.D (-3270) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

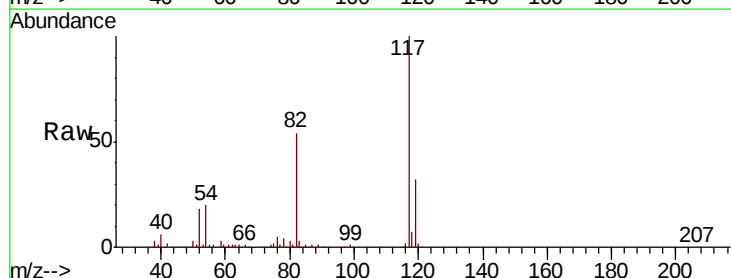
Tgt Ion: 117 Resp: 937058

Ion Ratio Lower Upper

117 100

82 53.9 43.7 65.5

119 32.1 26.1 39.1

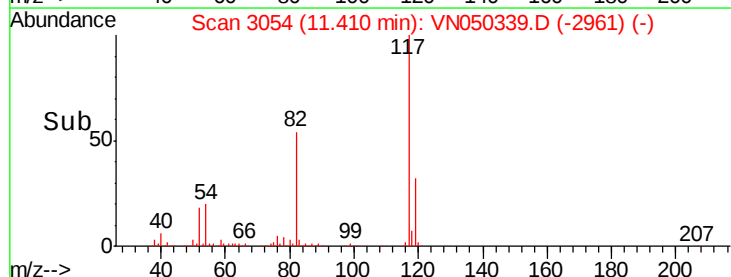


Abundance Ion 116.90 (116.60 to 117.60): VN050018.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050018.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050018.D (-3038) (-)

Time--> 11.30 11.40 11.50

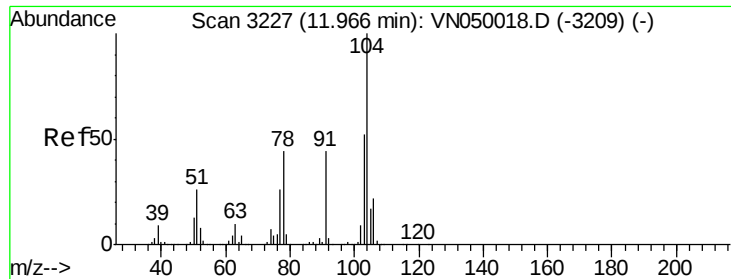


Abundance Ion 116.90 (116.60 to 117.60): VN050339.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN050339.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN050339.D (-2961) (-)

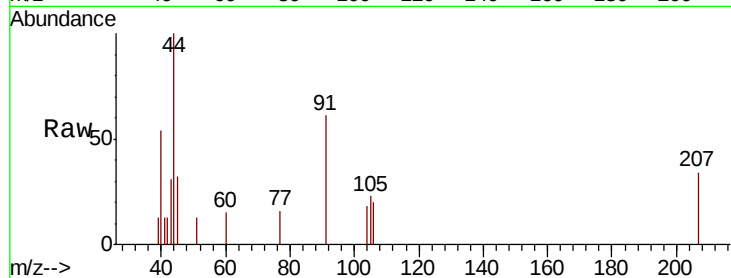
Time--> 11.30 11.40 11.50



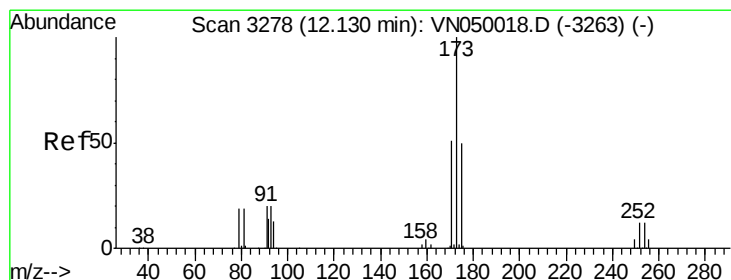
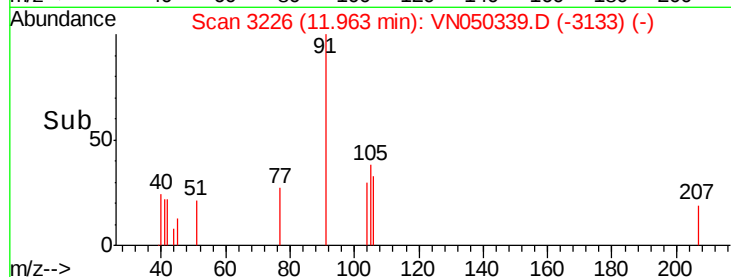
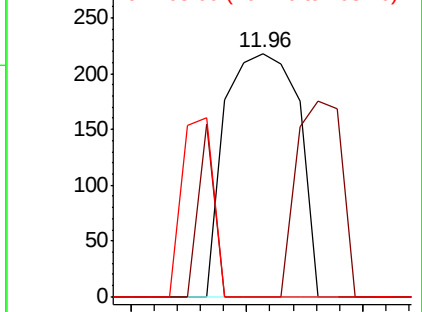
#70
Stvrene
Concen: 0.93 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050339.D
Acq: 4 Aug 2018 3:00

Instrument :
MSVOA_N
ClientSampleId :
C-2

Tot Ion:104 Resp: 191
Ion Ratio Lower Upper
104 100
78 49.7 39.3 58.9
103 0.0 45.0 67.6#

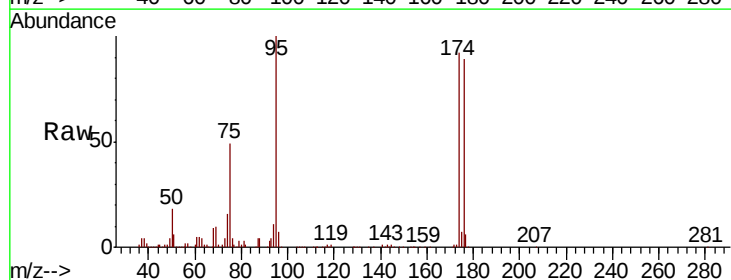


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

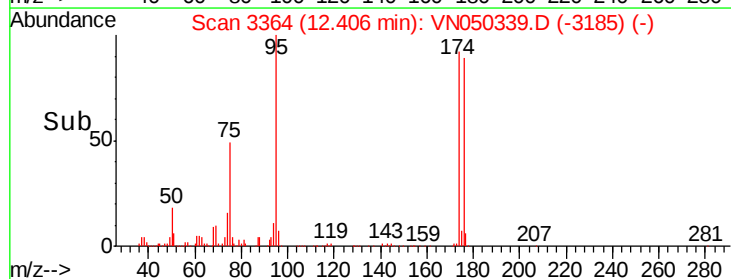
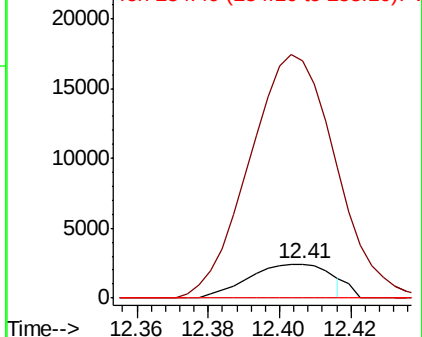


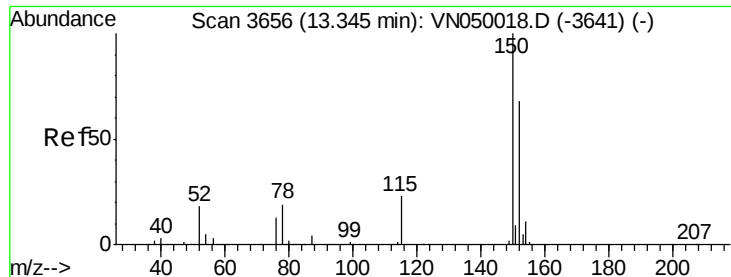
#71
Bromoform
Concen: 0.58 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050339.D
Acq: 4 Aug 2018 3:00

Tgt Ion:173 Resp: 3812
Ion Ratio Lower Upper
173 100
175 687.3 24.1 72.2#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

C-2

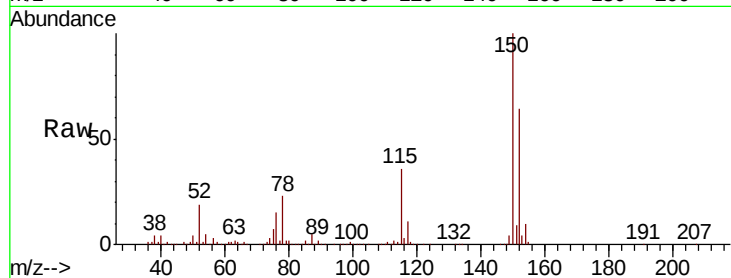
Tot Ion:152 Resp: 394171

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.3

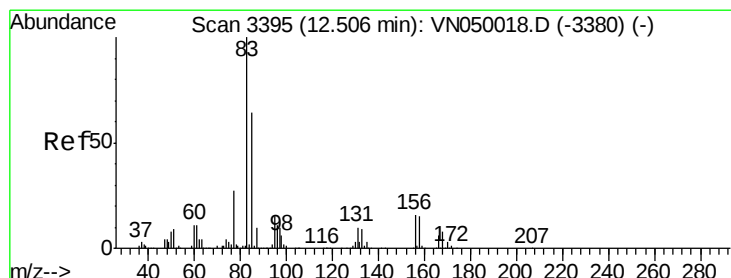
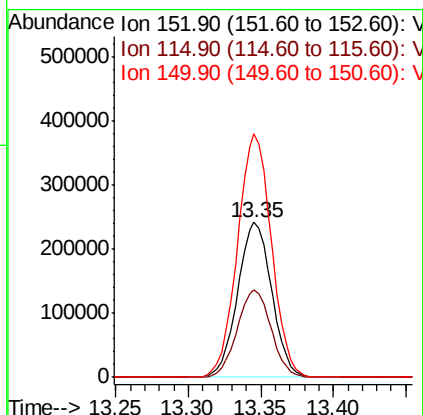
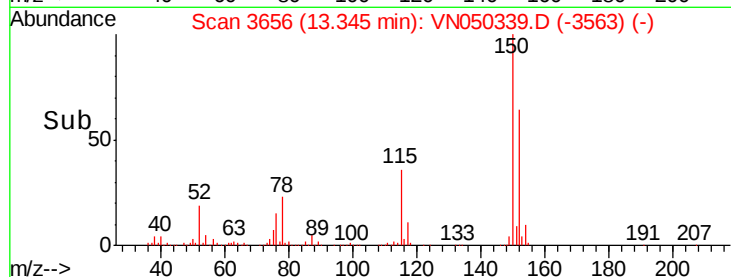
150 156.0 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3365

Delta R.T. -0.10 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

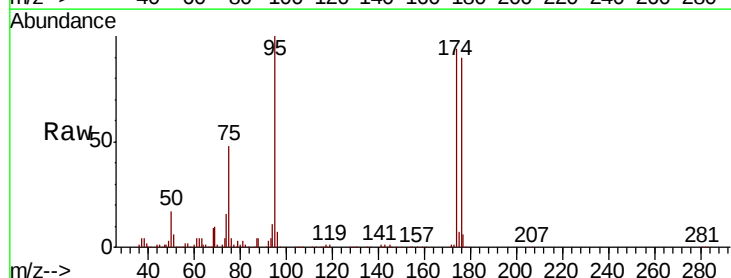
Tgt Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

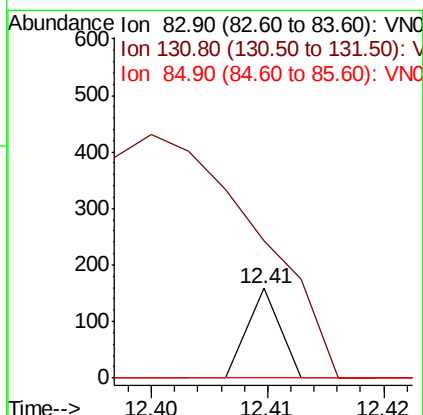
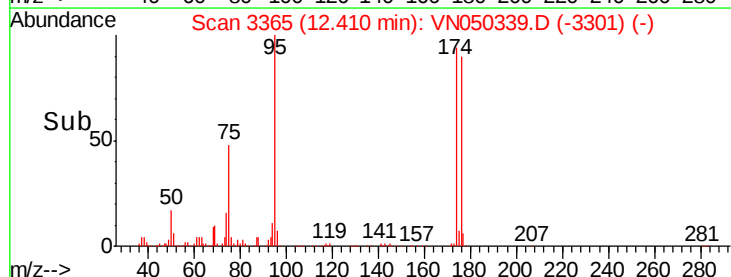
85 0.0 32.3 96.8#

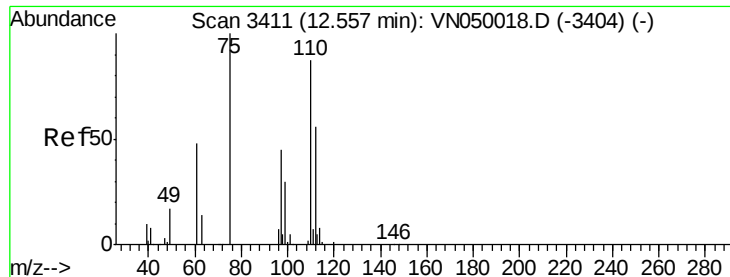


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 28.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

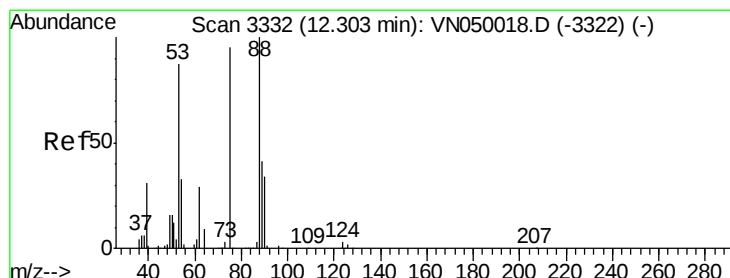
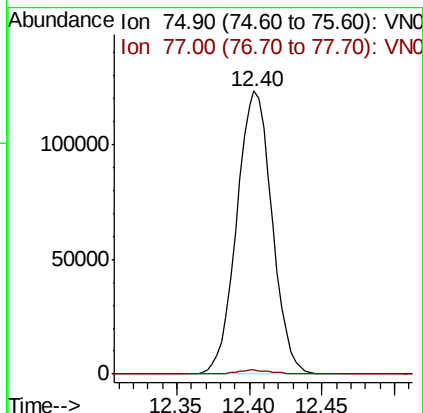
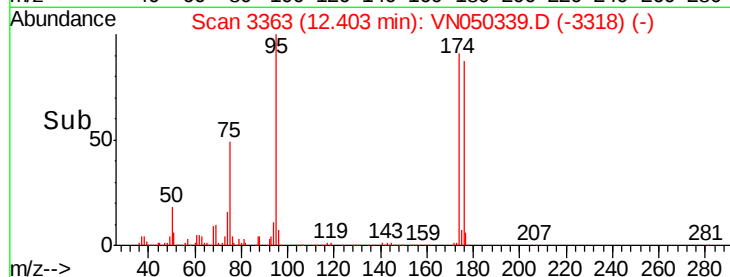
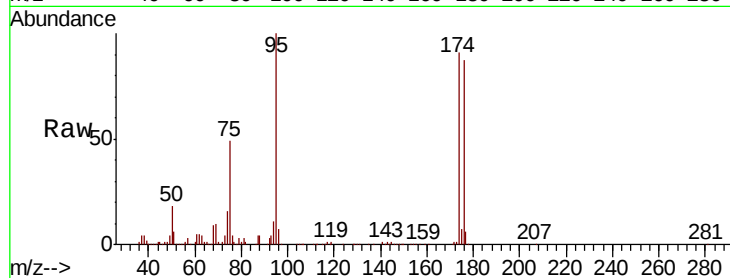
C-2

Tot Ion: 75 Resp: 208378

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

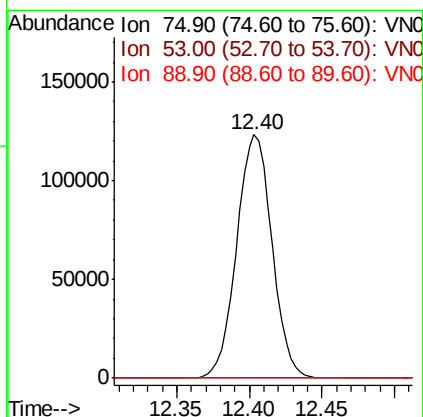
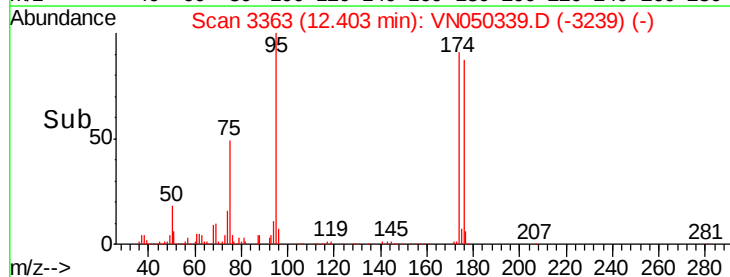
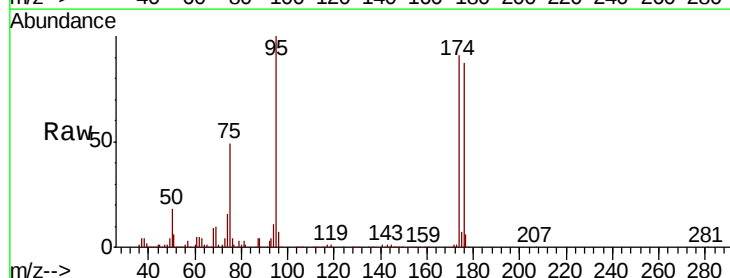
Tgt Ion: 75 Resp: 208378

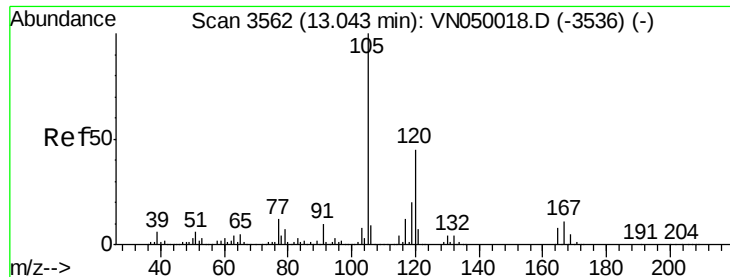
Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

89 0.0 36.0 54.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.37 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

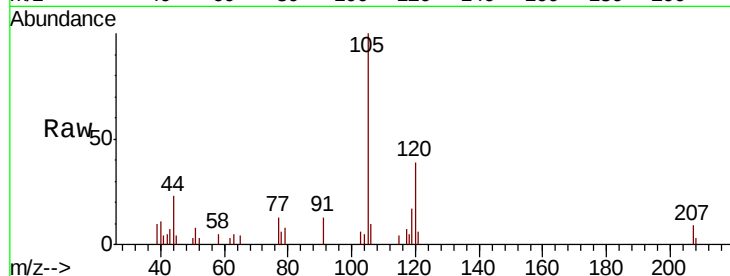
C-2

Tot Ion:105 Resp: 8868

Ion Ratio Lower Upper

105 100

120 43.5 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

6000

5000

4000

3000

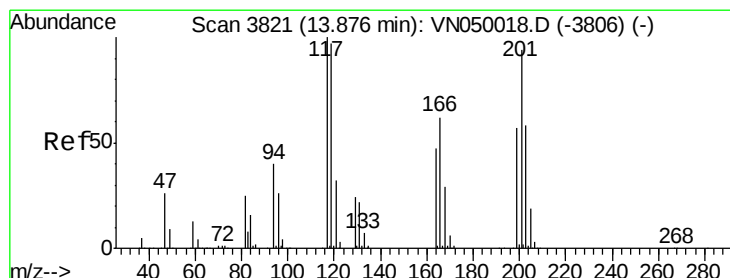
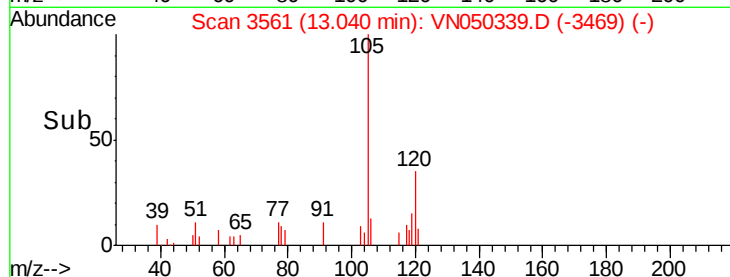
2000

1000

0

Time-->

13.00 13.05 13.10



#90

Hexachloroethane

Concen: 0.21 ug/l

RT: 13.90 min Scan# 3827

Delta R.T. 0.02 min

Lab File: VN050339.D

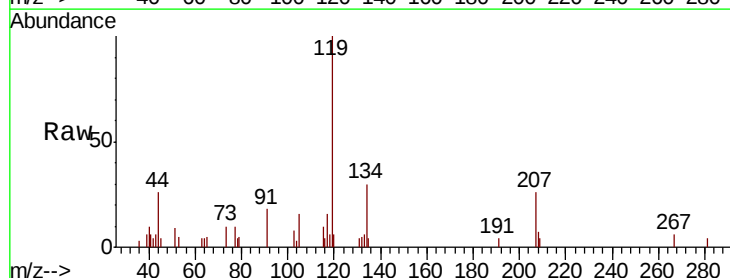
Acq: 4 Aug 2018 3:00

Tgt Ion:117 Resp: 1112

Ion Ratio Lower Upper

117 100

201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.90

800

600

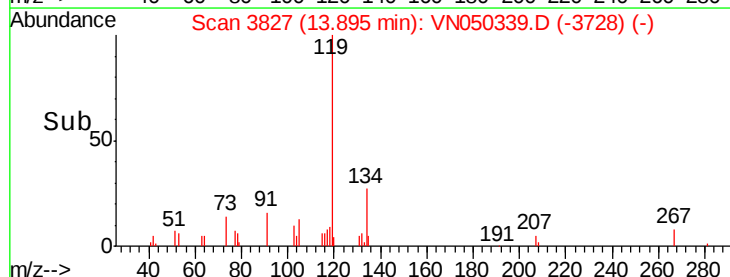
400

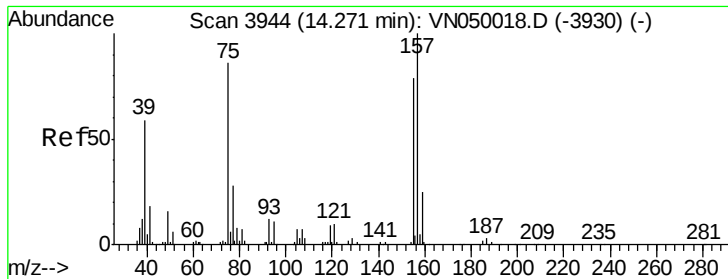
200

0

Time-->

13.85 13.90





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.32 min Scan# 3959

Delta R.T. 0.05 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampleId :

C-2

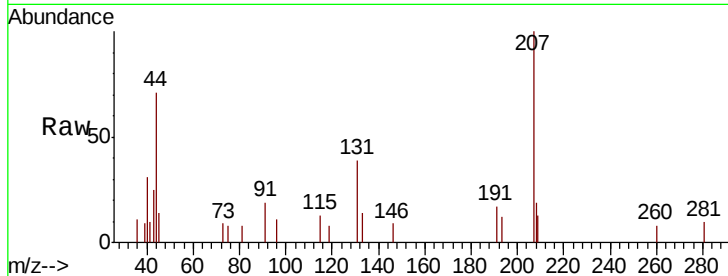
Tot Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

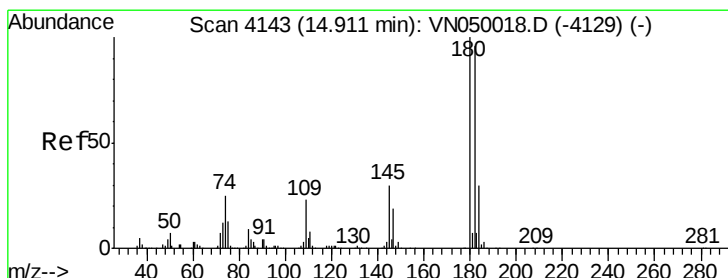
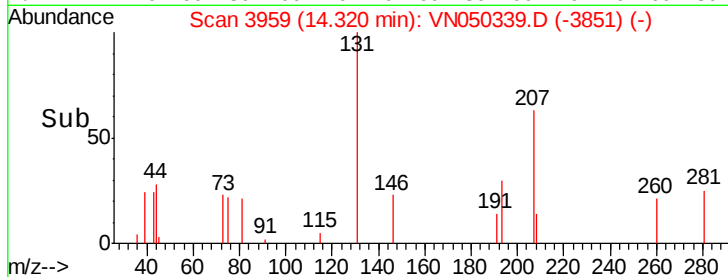
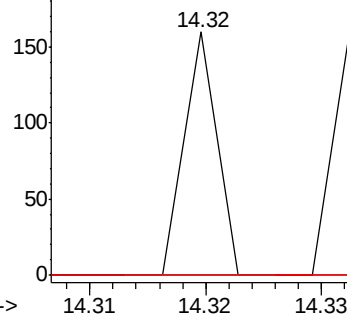
157 0.0 57.2 171.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.11 ug/l

RT: 14.90 min Scan# 4140

Delta R.T. -0.01 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

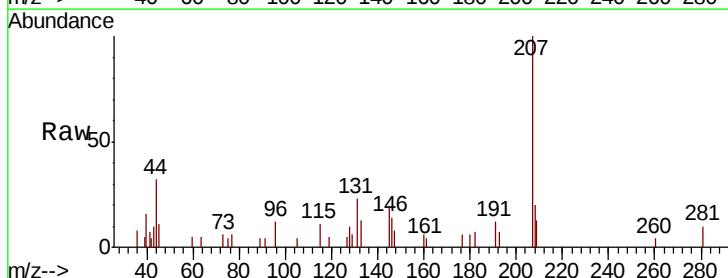
Tgt Ion: 180 Resp: 219

Ion Ratio Lower Upper

180 100

182 72.1 46.7 140.1

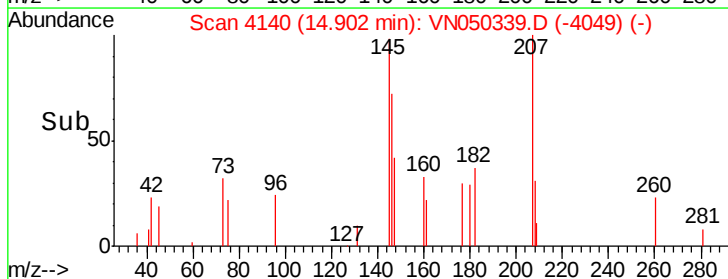
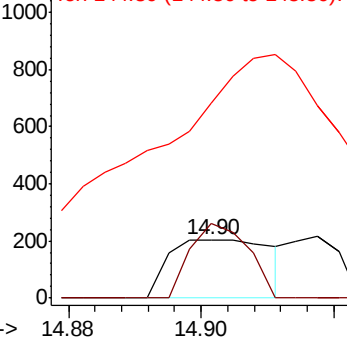
145 868.9 13.8 41.4#

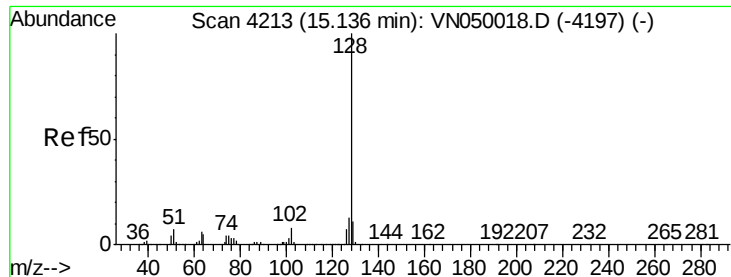


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 6.45 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

Instrument :

MSVOA_N

ClientSampled :

C-2

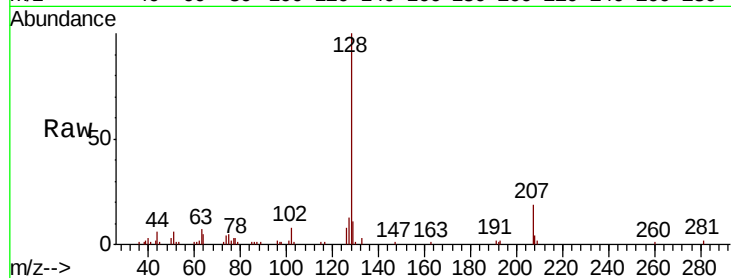
Tot Ion:128 Resp: 40114

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

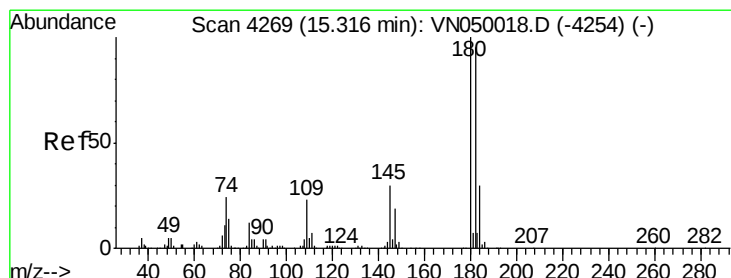
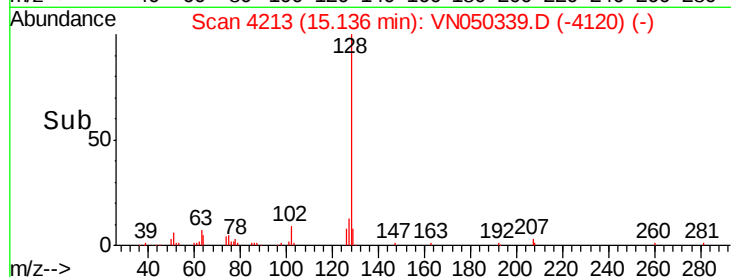
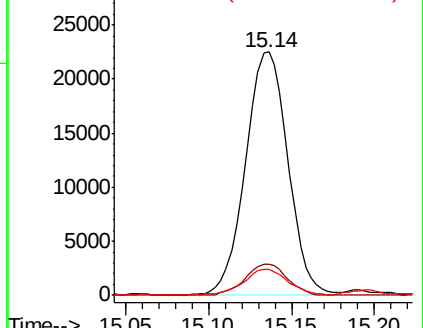
129 11.4 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 2.21 ug/l

RT: 15.31 min Scan# 4266

Delta R.T. -0.01 min

Lab File: VN050339.D

Acq: 4 Aug 2018 3:00

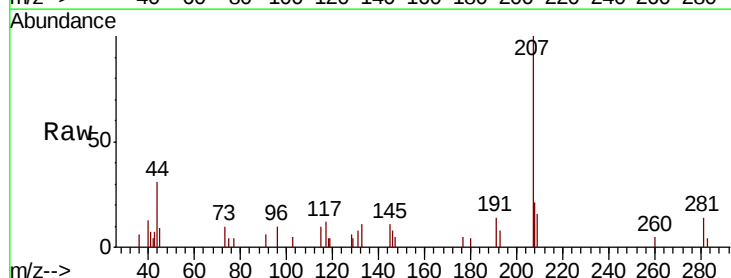
Tgt Ion:180 Resp: 68

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

145 1233.8 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

