

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049891.D
 Acq On : 19 Jul 2018 00:07
 Operator : MD\SY
 Sample : PB111206ZHE#18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 06:07:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	576517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	951560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	809305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	293066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409964	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	7.59	113	361833	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	
50) Toluene-d8	10.09	98	1273361	43.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.50%	
62) 4-Bromofluorobenzene	12.40	95	348551	34.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.54%	

Target Compounds

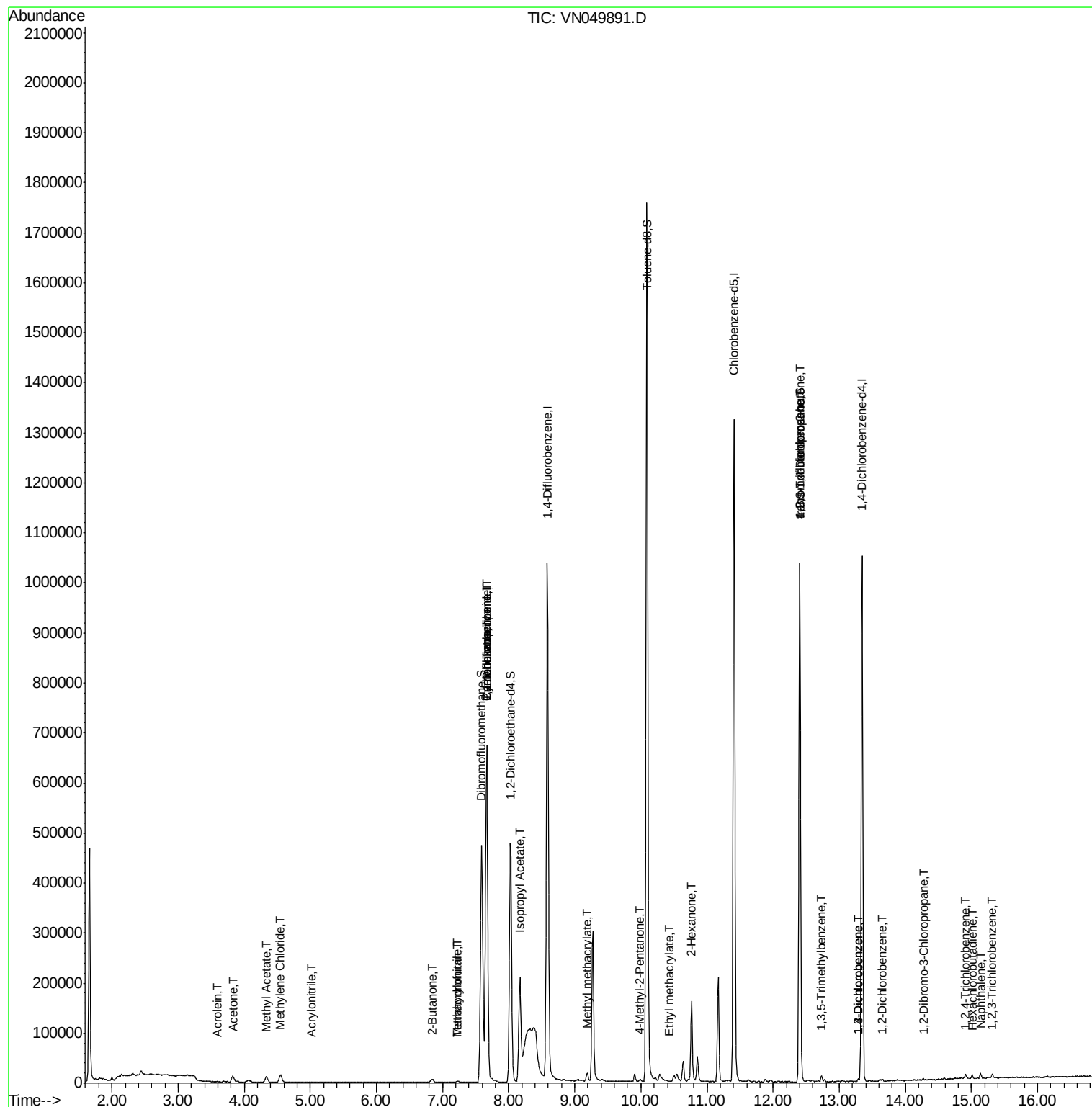
						Qvalue
2) Dichlorodifluoromethane	1.86	85	401	Below Cal	#	44
5) Bromomethane	2.57	94	1506	Below Cal		97
13) Acrolein	3.60	56	330	0.91	ug/l #	61
15) Acrylonitrile	5.02	53	892	0.36	ug/l #	41
16) Acetone	3.83	43	20674	10.08	ug/l	99
18) Methyl Acetate	4.34	43	22286	2.68	ug/l	96
20) Methylene Chloride	4.55	84	11295	1.45	ug/l #	93
25) 2-Butanone	6.84	43	2509	0.86	ug/l #	89
29) Tetrahydrofuran	7.23	42	2045	1.11	ug/l #	47
31) Cyclohexane	7.66	56	11277	1.07	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	40298	3.81	ug/l #	49
38) Carbon Tetrachloride	7.67	117	52908	4.67	ug/l #	16
41) Methacrylonitrile	7.23	41	1369	0.38	ug/l #	24
43) Isopropyl Acetate	8.17	43	257238	20.27	ug/l	99
48) Methyl methacrylate	9.18	41	9461	1.49	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	3420	0.48	ug/l #	86
56) Ethyl methacrylate	10.42	69	141	2.17	ug/l #	1
59) 2-Hexanone	10.76	43	23939	5.02	ug/l #	62
76) 1,2,3-Trichloropropane	12.40	75	170232	30.97	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5338	0.30	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	170232	96.83	ug/l #	13
87) 1,3-Dichlorobenzene	13.29	146	2182	0.20	ug/l	98
88) 1,4-Dichlorobenzene	13.29	146	2182	0.20	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	2219	0.21	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.27	75	573	0.56	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	3244	4.00	ug/l	78
94) Hexachlorobutadiene	15.01	225	1285	0.37	ug/l	68
95) Naphthalene	15.14	128	8257	5.03	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	3187	0.63	ug/l	97

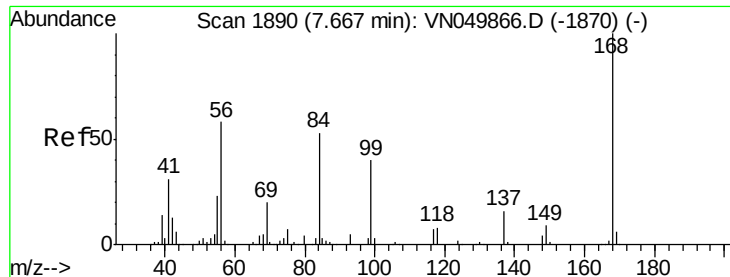
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Jul 19 06:07:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 13:09:48 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: VN049891.D

Acq: 19 Jul 2018 00:07

Instrument :

MSVOA_N

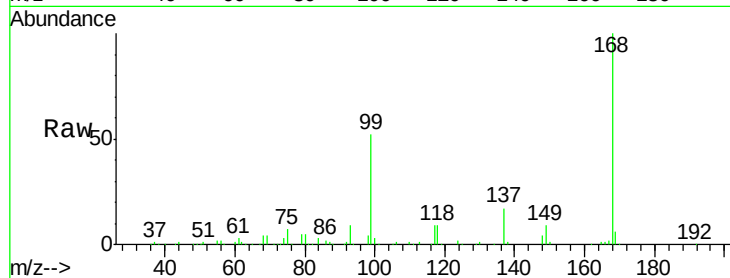
ClientSampled :

Tot Ion:168 Resp: 576517

Ion Ratio Lower Upper

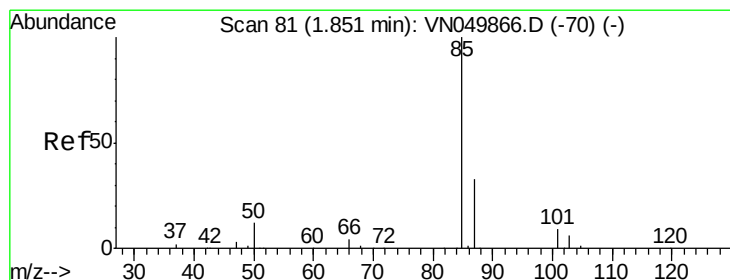
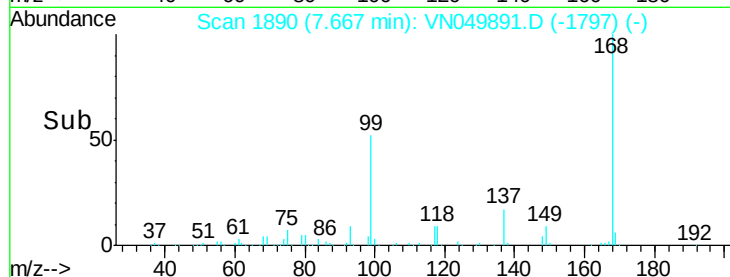
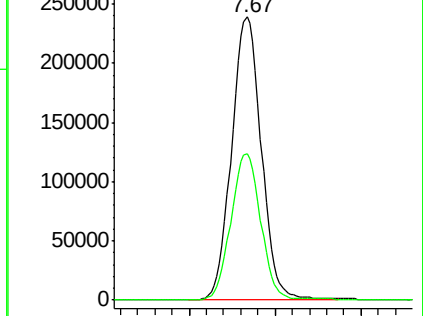
168 100

99 51.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.86 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN049891.D

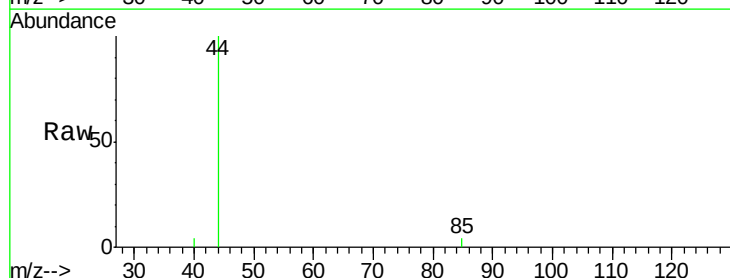
Acq: 19 Jul 2018 00:07

Tgt Ion: 85 Resp: 401

Ion Ratio Lower Upper

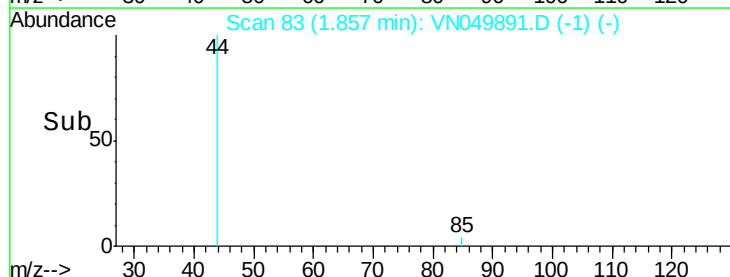
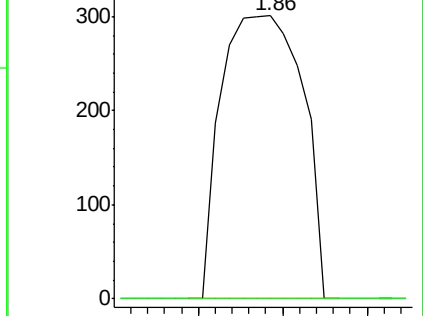
85 100

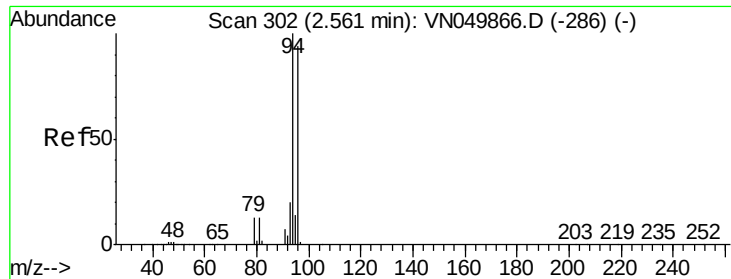
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

Instrument :

MSVOA_N

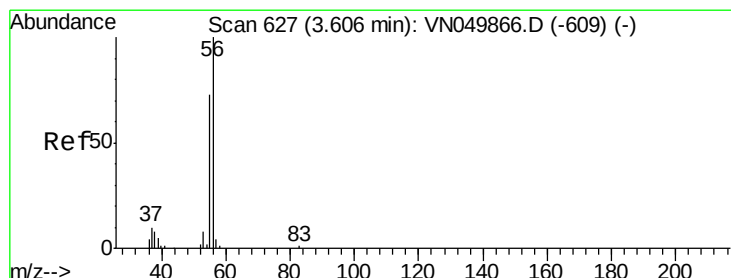
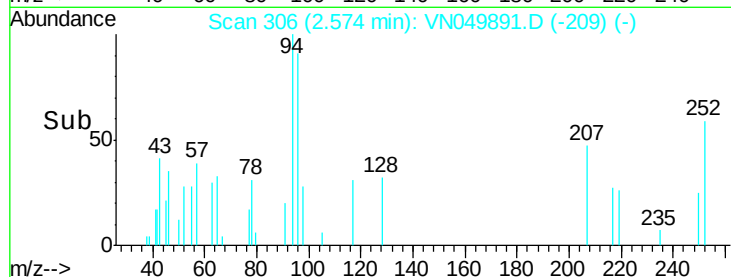
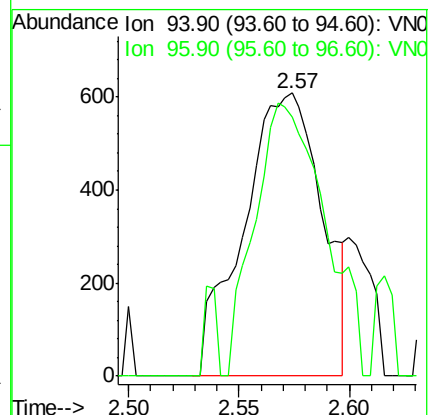
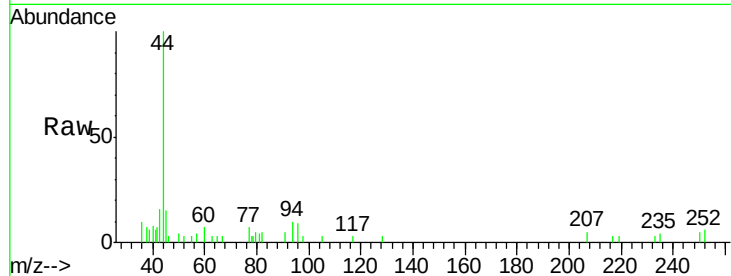
ClientSampled :

Tot Ion: 94 Resp: 1506

Ion Ratio Lower Upper

94 100

96 91.4 75.7 113.5



#13

Acrolein

Concen: 0.91 ug/l

RT: 3.60 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN049891.D

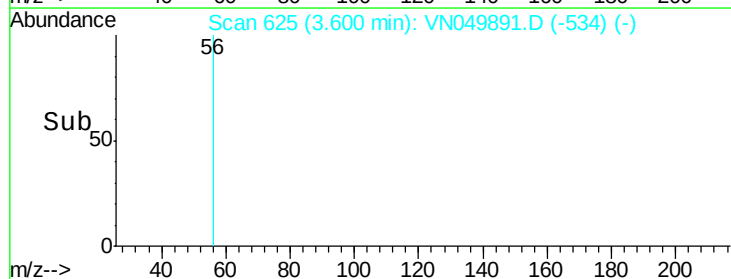
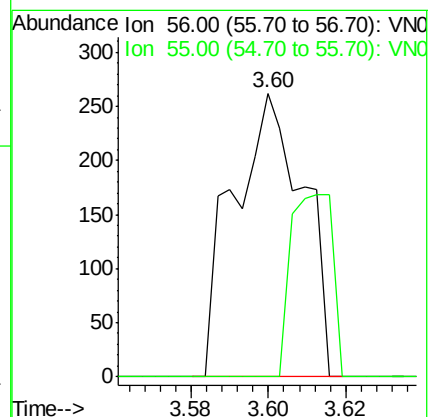
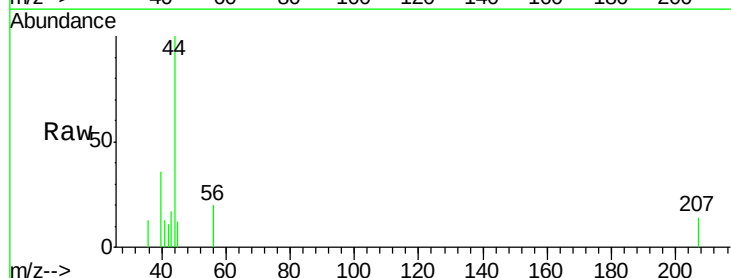
Acq: 19 Jul 2018 00:07

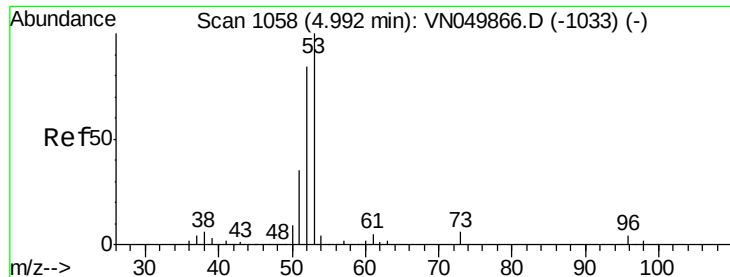
Tgt Ion: 56 Resp: 330

Ion Ratio Lower Upper

56 100

55 38.2 55.8 83.8#





#15

Acrylonitrile

Concen: 0.36 ug/l

RT: 5.02 min Scan# 1066

Delta R.T. 0.03 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

Instrument :

MSVOA_N

ClientSampled :

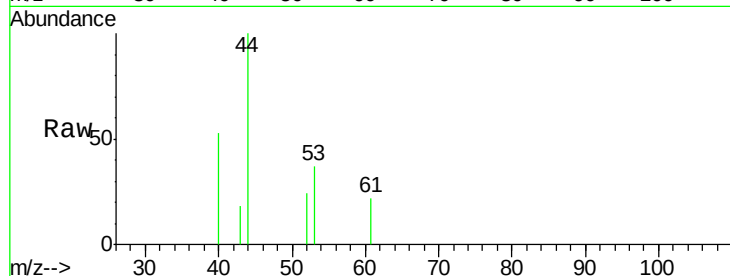
Tot Ion: 53 Resp: 892

Ion Ratio Lower Upper

53 100

52 29.1 64.8 97.2#

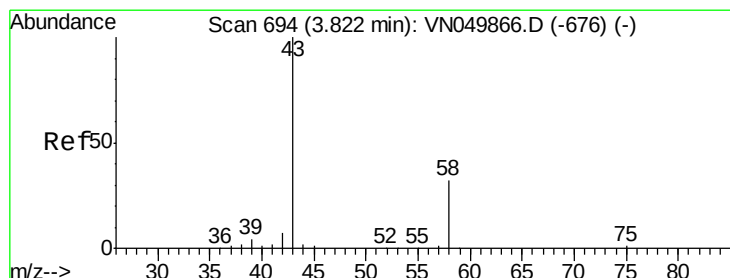
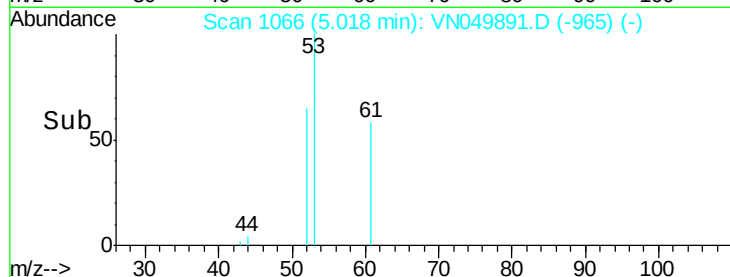
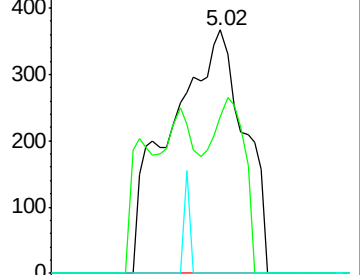
51 0.0 28.9 43.3#



Abundance Ion 53.00 (52.70 to 53.70): VN049866.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN049866.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN049866.D (-1033) (-)



#16

Acetone

Concen: 10.08 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049891.D

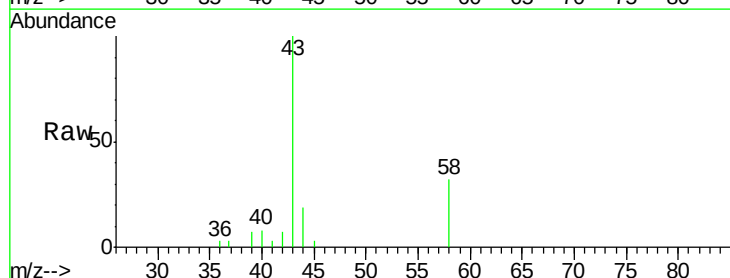
Acq: 19 Jul 2018 00:07

Tgt Ion: 43 Resp: 20674

Ion Ratio Lower Upper

43 100

58 32.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-676) (-)

Ion 57.00 (56.70 to 57.70): VN049866.D (-676) (-)

Ion 56.00 (55.70 to 56.70): VN049866.D (-676) (-)

Ion 55.00 (54.70 to 55.70): VN049866.D (-676) (-)

Ion 54.00 (53.70 to 54.70): VN049866.D (-676) (-)

Ion 53.00 (52.70 to 53.70): VN049866.D (-676) (-)

Ion 52.00 (51.70 to 52.70): VN049866.D (-676) (-)

Ion 51.00 (50.70 to 51.70): VN049866.D (-676) (-)

Ion 50.00 (49.70 to 50.70): VN049866.D (-676) (-)

Ion 49.00 (48.70 to 49.70): VN049866.D (-676) (-)

Ion 48.00 (47.70 to 48.70): VN049866.D (-676) (-)

Ion 47.00 (46.70 to 47.70): VN049866.D (-676) (-)

Ion 46.00 (45.70 to 46.70): VN049866.D (-676) (-)

Ion 45.00 (44.70 to 45.70): VN049866.D (-676) (-)

Ion 44.00 (43.70 to 44.70): VN049866.D (-676) (-)

Ion 43.00 (42.70 to 43.70): VN049866.D (-676) (-)

Ion 42.00 (41.70 to 42.70): VN049866.D (-676) (-)

Ion 41.00 (40.70 to 41.70): VN049866.D (-676) (-)

Ion 40.00 (39.70 to 40.70): VN049866.D (-676) (-)

Ion 39.00 (38.70 to 39.70): VN049866.D (-676) (-)

Ion 38.00 (37.70 to 38.70): VN049866.D (-676) (-)

Ion 37.00 (36.70 to 37.70): VN049866.D (-676) (-)

Ion 36.00 (35.70 to 36.70): VN049866.D (-676) (-)

Ion 35.00 (34.70 to 35.70): VN049866.D (-676) (-)

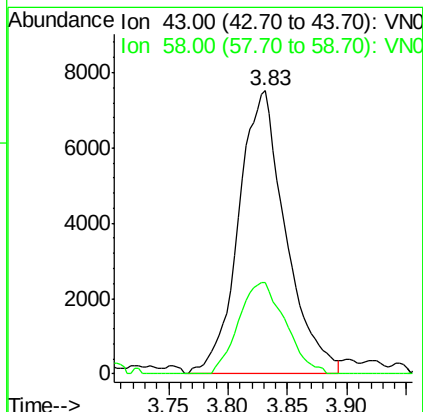
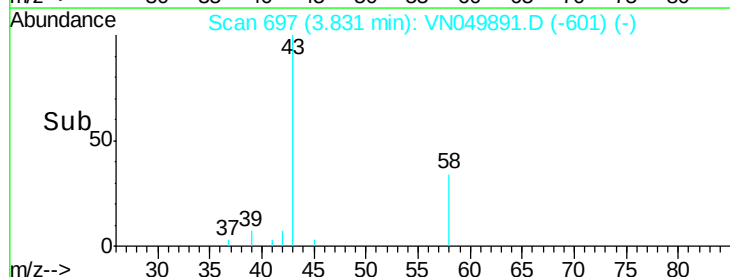
Ion 34.00 (33.70 to 34.70): VN049866.D (-676) (-)

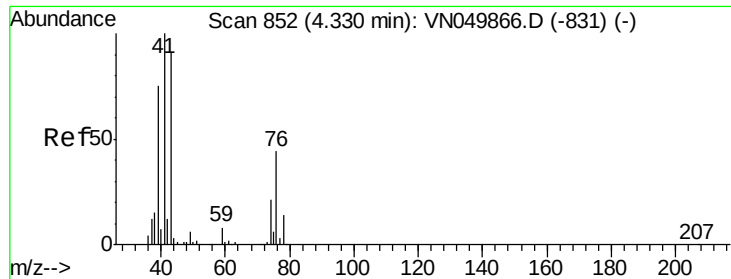
Ion 33.00 (32.70 to 33.70): VN049866.D (-676) (-)

Ion 32.00 (31.70 to 32.70): VN049866.D (-676) (-)

Ion 31.00 (30.70 to 31.70): VN049866.D (-676) (-)

Ion 30.00 (29.70 to 30.70): VN049866.D (-676) (-)

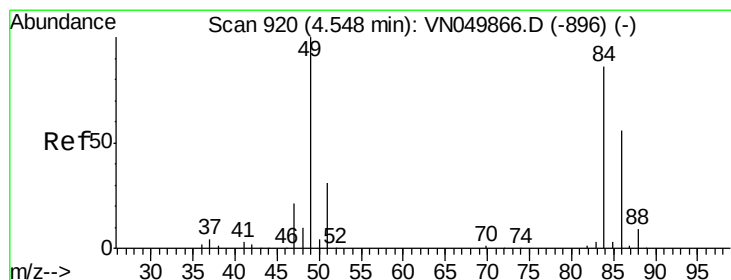
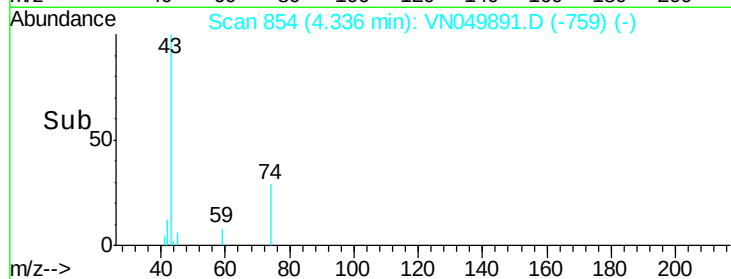
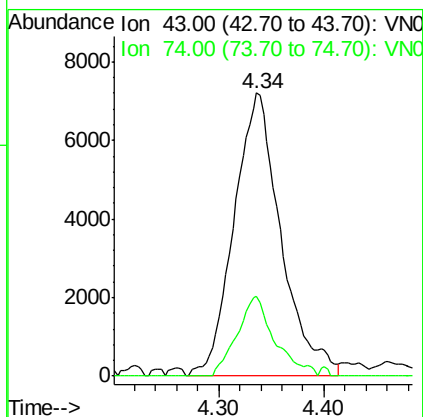
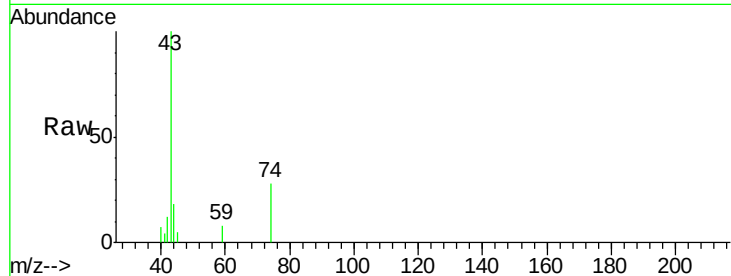




#18
Methvl Acetate
Concen: 2.68 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

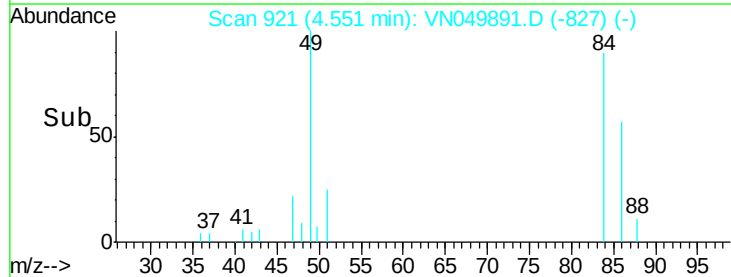
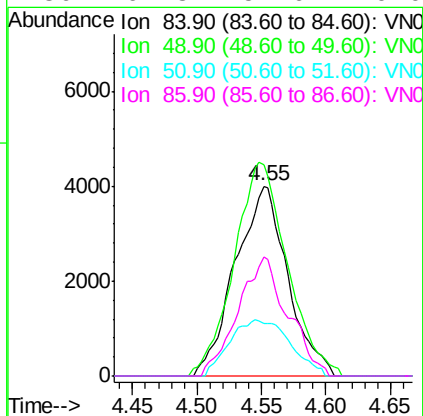
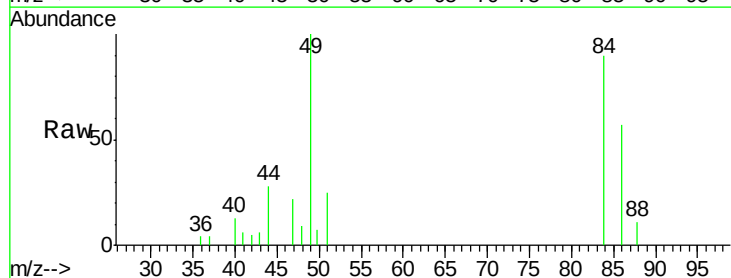
Instrument :
MSVOA_N
ClientSampleId :

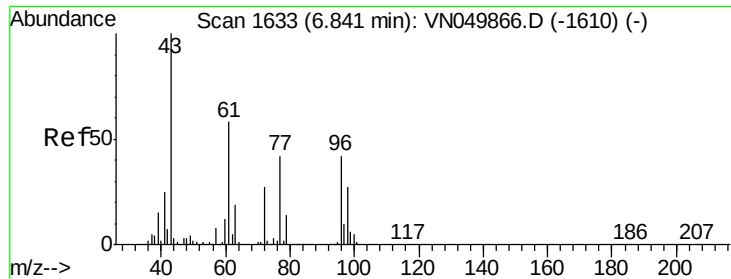
Tot Ion: 43 Resp: 22286
Ion Ratio Lower Upper
43 100
74 22.6 19.8 29.8



#20
Methylene Chloride
Concen: 1.45 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

Tgt Ion: 84 Resp: 11295
Ion Ratio Lower Upper
84 100
49 110.8 95.4 143.2
51 27.9 28.4 42.6#
86 62.8 52.6 79.0





#25

2-Butanone

Concen: 0.86 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

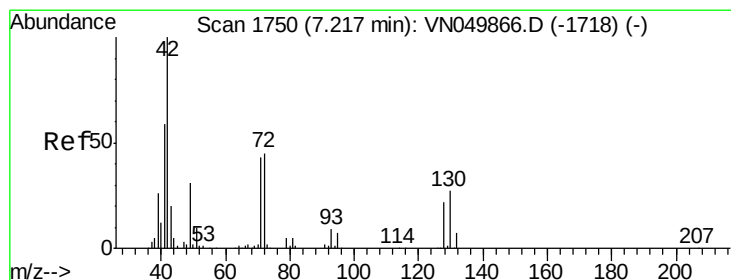
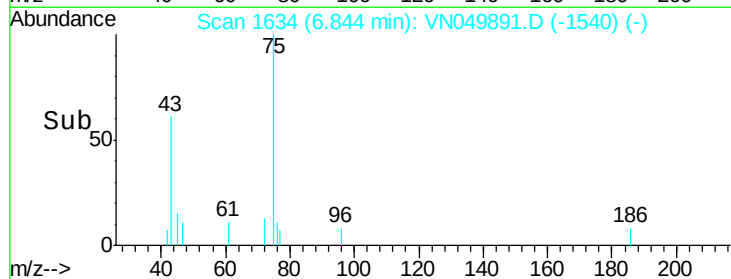
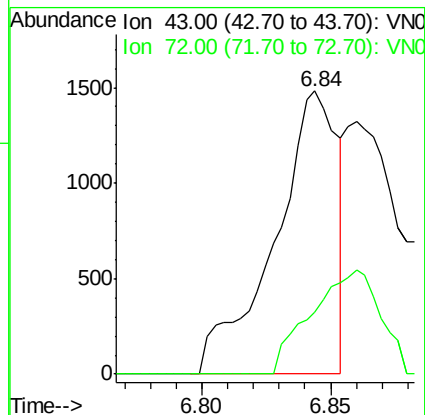
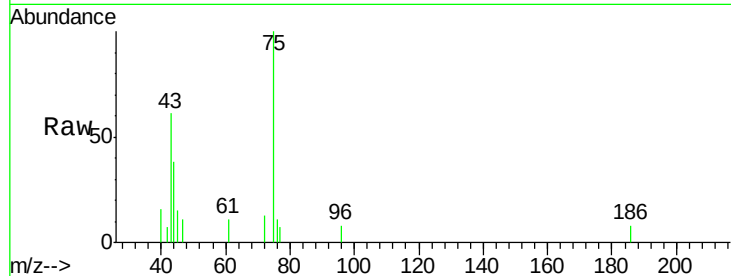
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2509

Ion Ratio Lower Upper

43 100

72 22.0 22.1 33.1#



#29

Tetrahydrofuran

Concen: 1.11 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

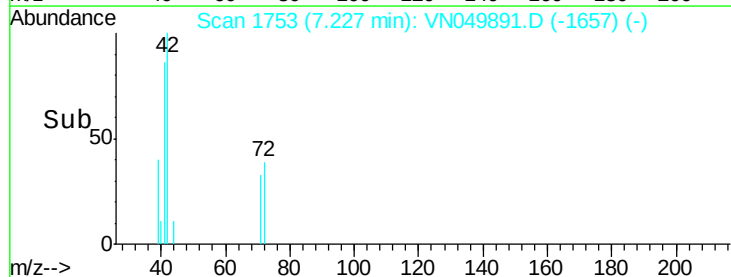
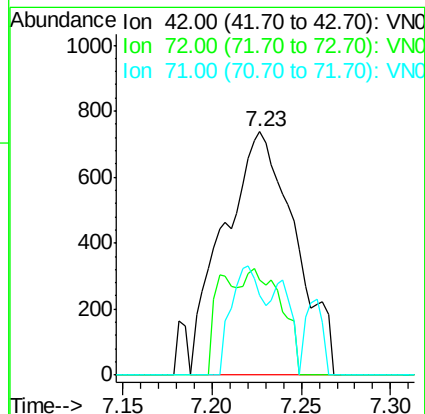
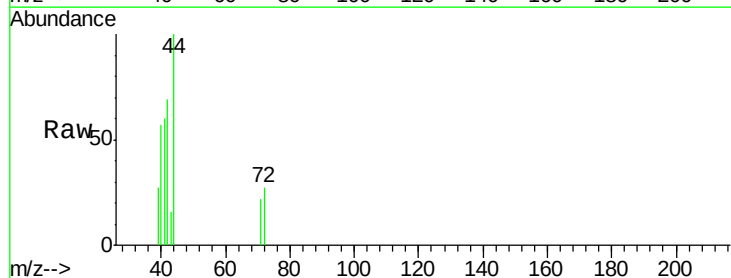
Tgt Ion: 42 Resp: 2045

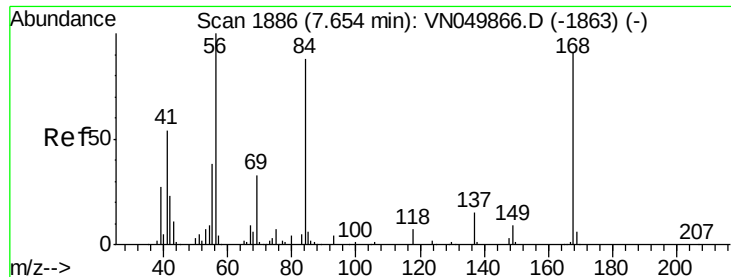
Ion Ratio Lower Upper

42 100

72 0.0 35.6 53.4#

71 19.2 34.0 51.0#

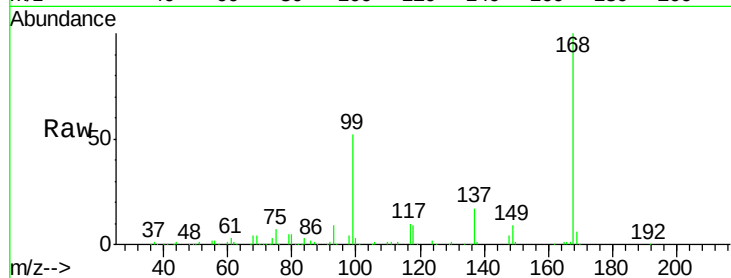




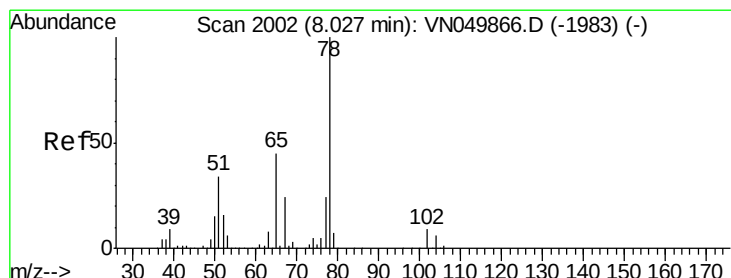
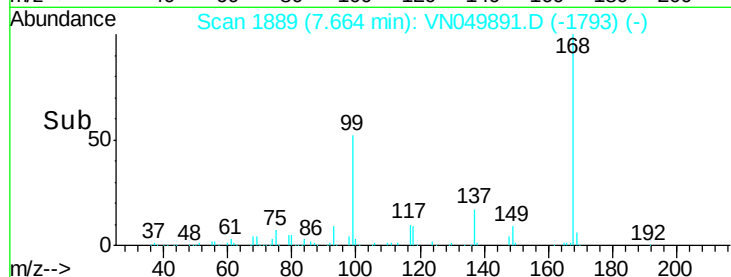
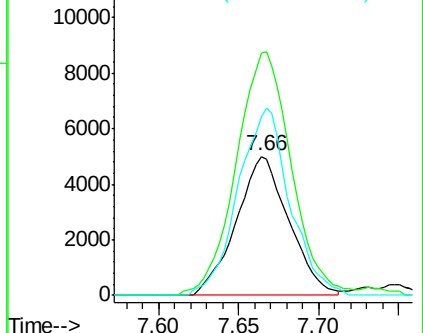
#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 11277
Ion Ratio Lower Upper
56 100
69 170.1 26.6 40.0#
84 128.3 69.0 103.6#

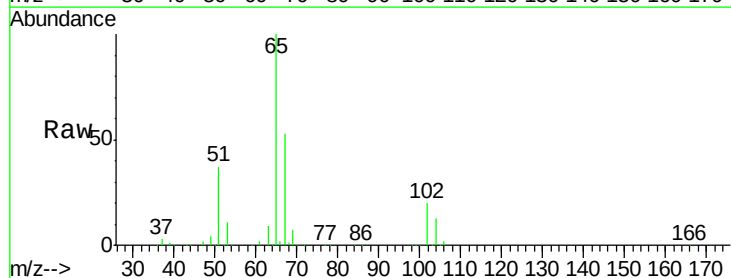


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

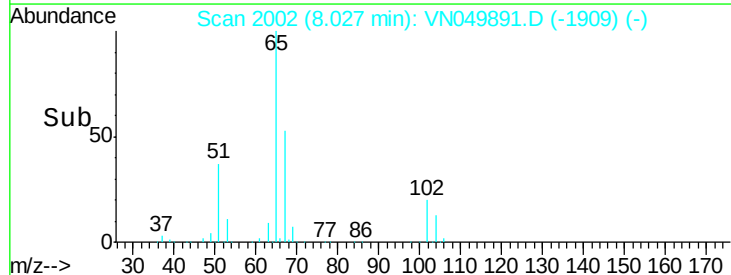
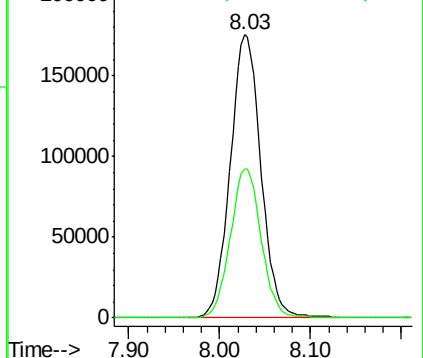


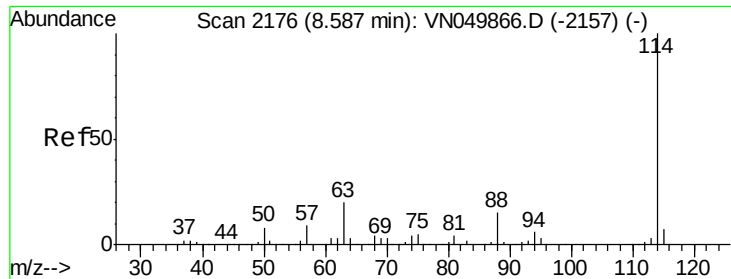
#33
1,2-Dichloroethane-d4
Concen: 51.74 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

Tgt Ion: 65 Resp: 409964
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

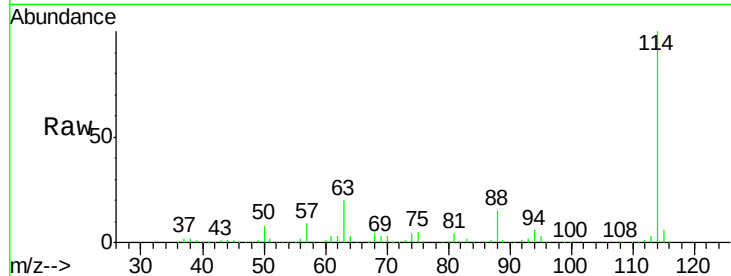




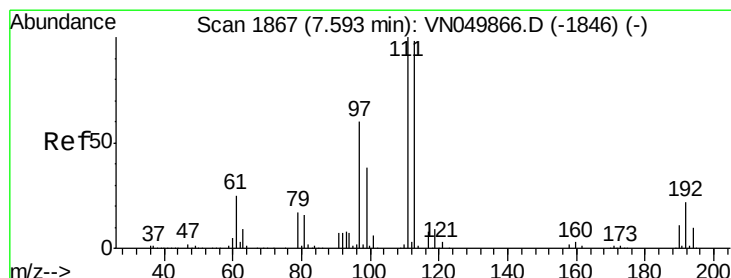
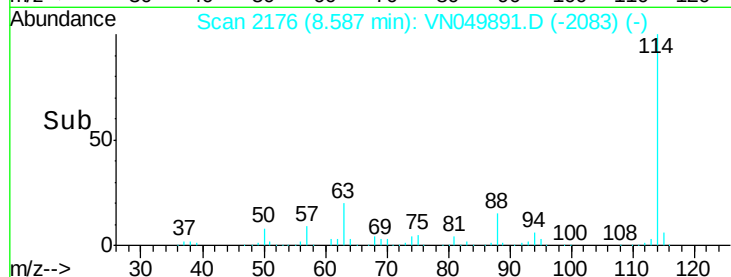
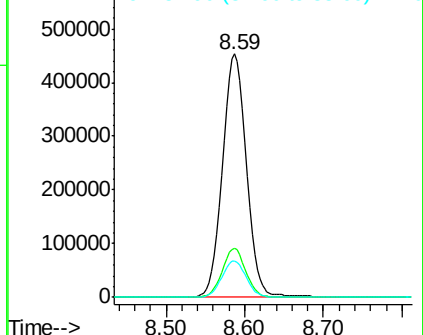
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 951560
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.8
88 15.0 0.0 30.6

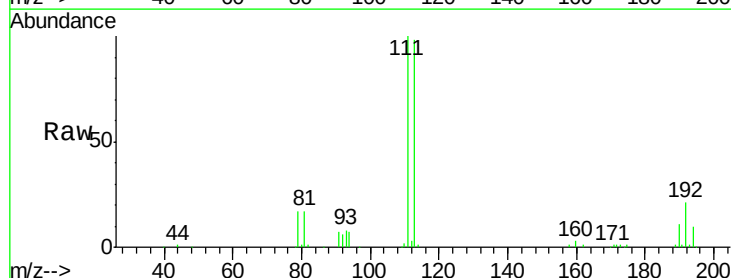


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

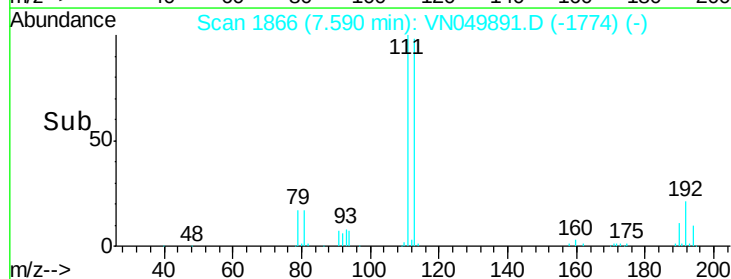
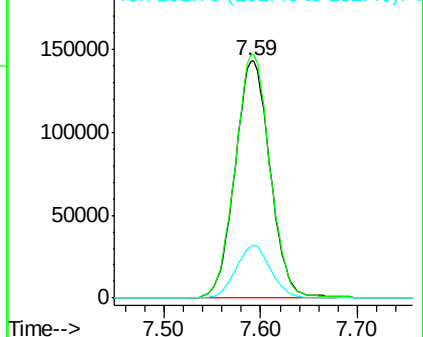


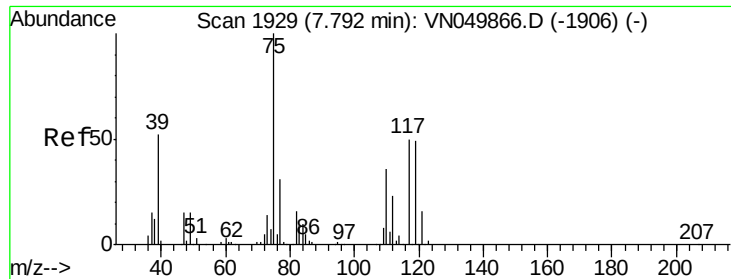
#35
Dibromofluoromethane
Concen: 45.29 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

Tgt Ion:113 Resp: 361833
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 21.9 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

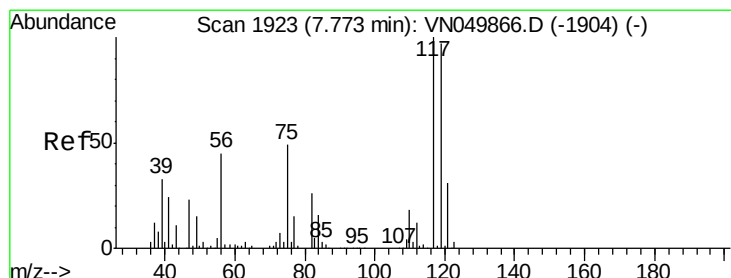
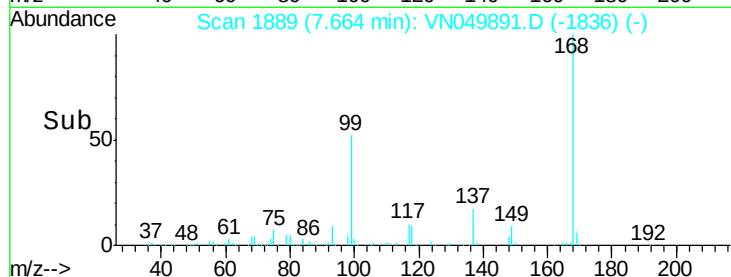
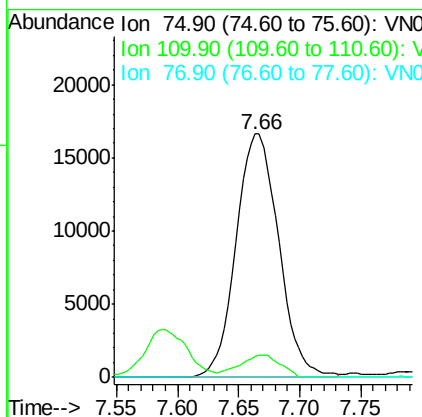
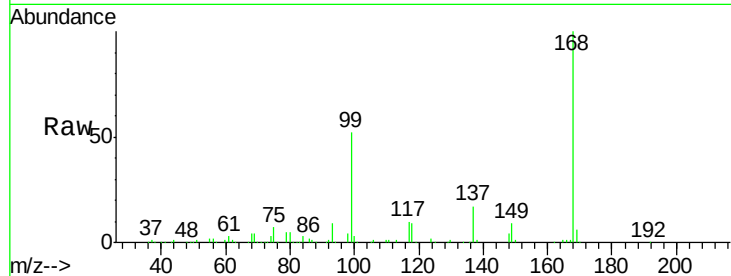




#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049891.D
 Acq: 19 Jul 2018 00:07

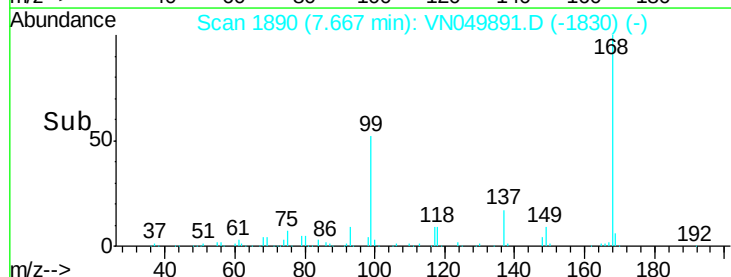
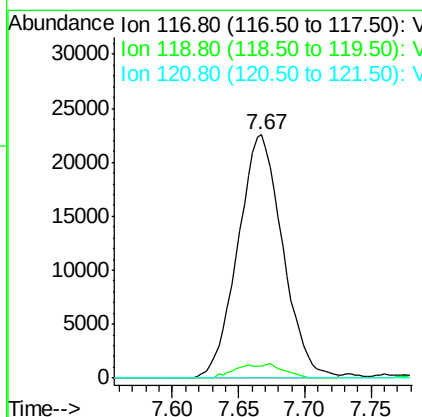
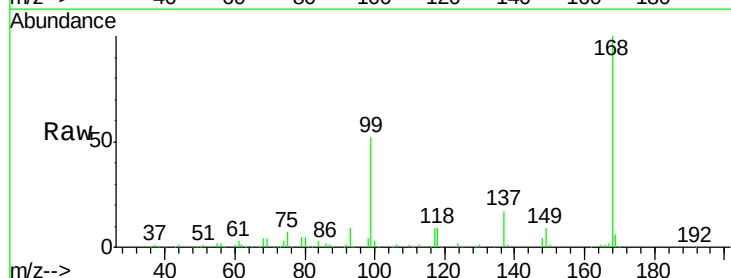
Instrument :
 MSVOA_N
 ClientSampled :

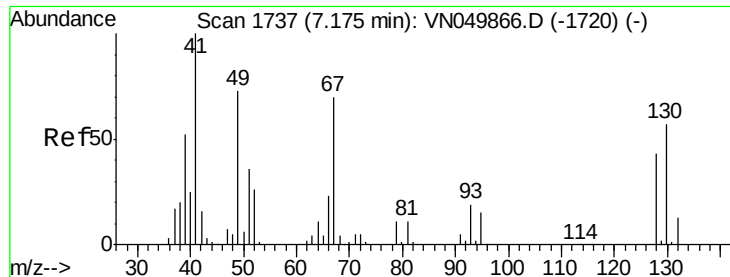
Tot Ion	75	Resp	40298
Ion Ratio	Lower	Upper	
75	100		
110	8.7	18.1	54.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.67 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049891.D
 Acq: 19 Jul 2018 00:07

Tgt Ion	117	Resp	52908
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.1	77.2	115.8#
121	0.0	25.0	37.6#

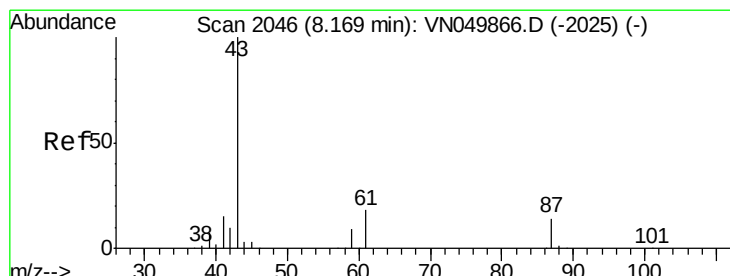
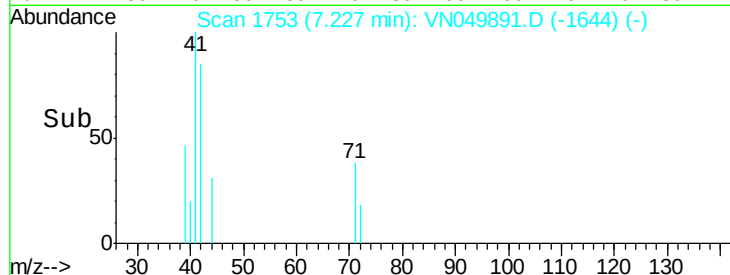
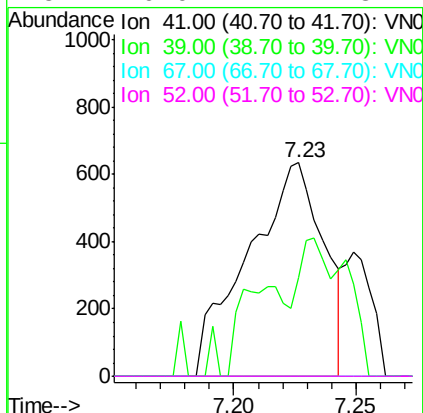
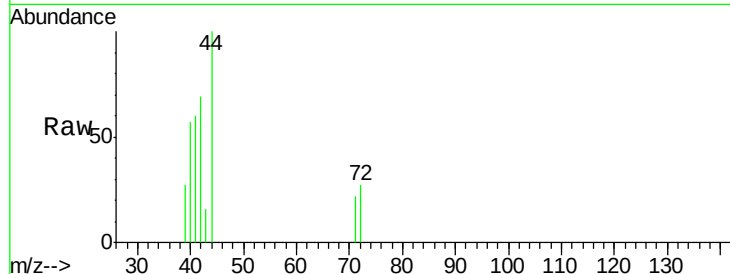




#41
Methacrylonitrile
Concen: 0.38 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.05 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

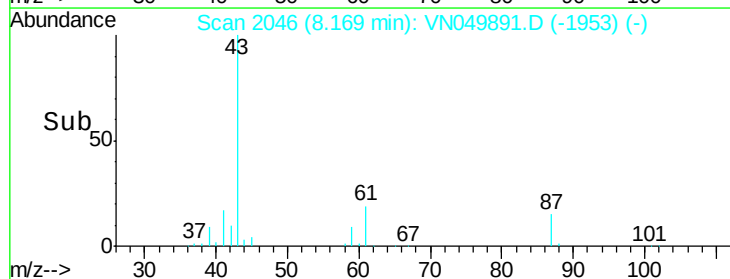
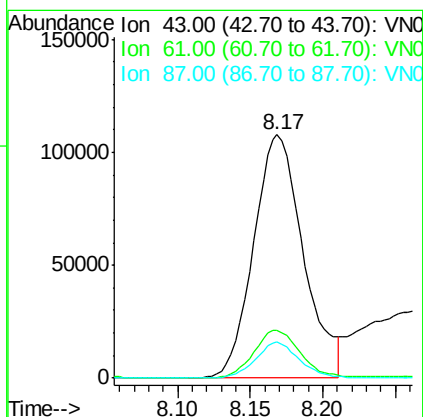
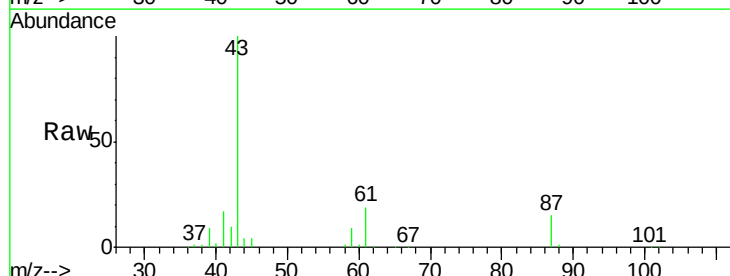
Instrument :
MSVOA_N
ClientSampled :

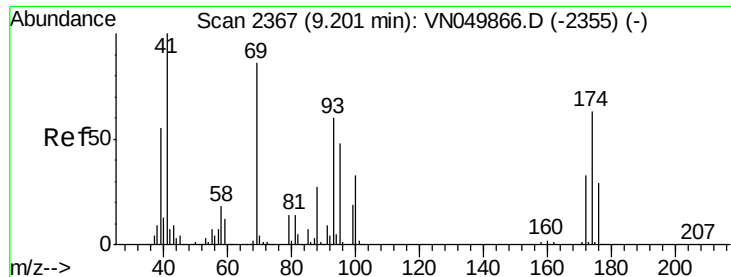
Tot Ion: 41 Resp: 1369
Ion Ratio Lower Upper
41 100
39 10.3 45.4 68.2#
67 0.0 65.4 98.0#
52 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 20.27 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

Tgt Ion: 43 Resp: 257238
Ion Ratio Lower Upper
43 100
61 18.4 14.9 22.3
87 13.1 10.0 15.0

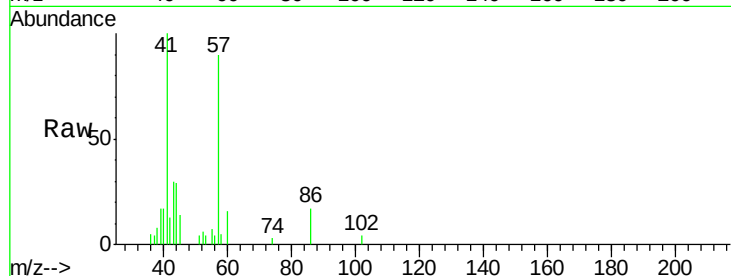




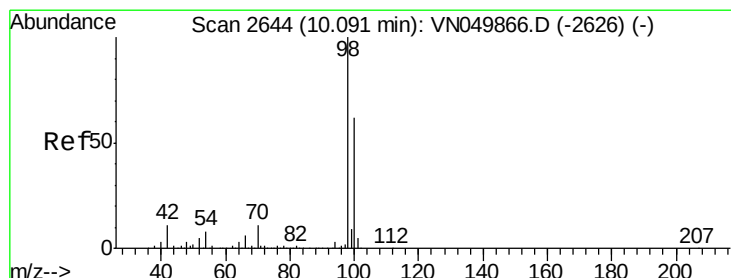
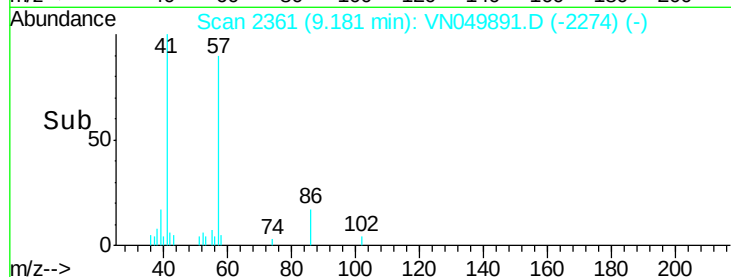
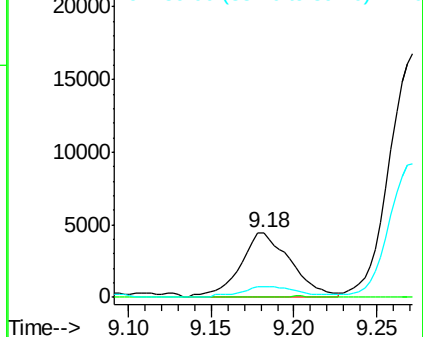
#48
Methvl methacrylate
Concen: 1.49 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 9461
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 17.8 44.7 67.1#

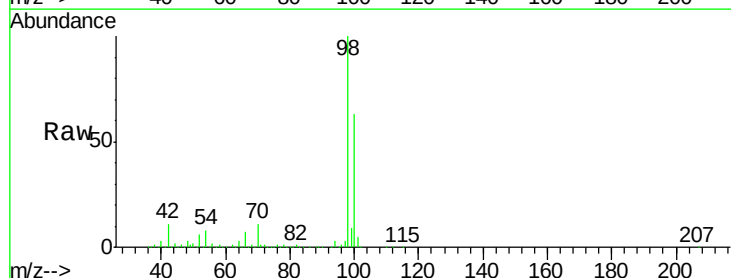


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

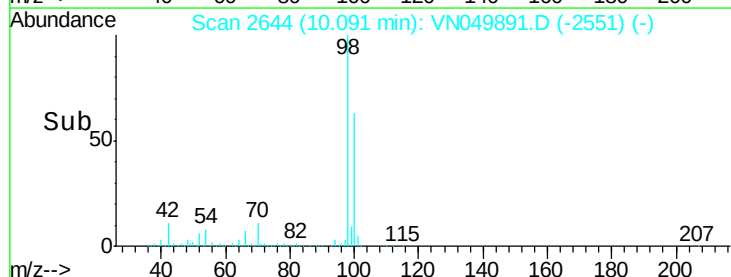
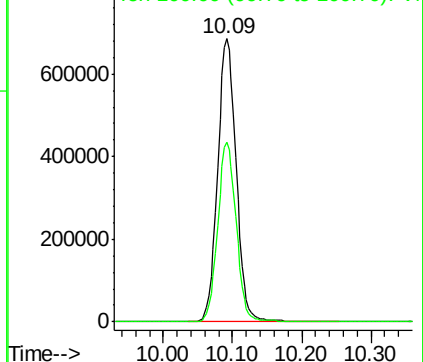


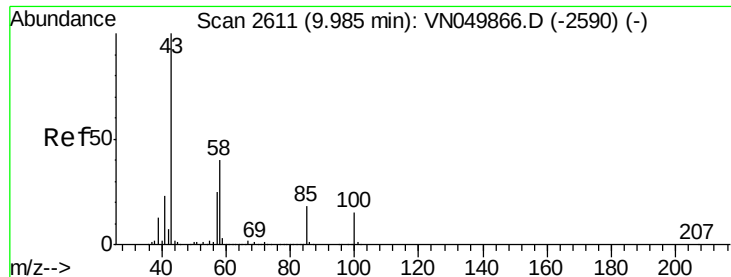
#50
Toluene-d8
Concen: 43.75 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

Tgt Ion: 98 Resp: 1273361
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

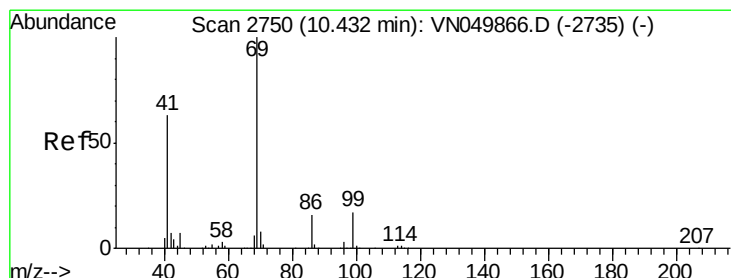
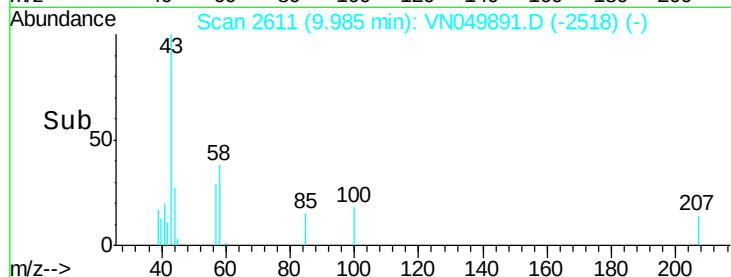
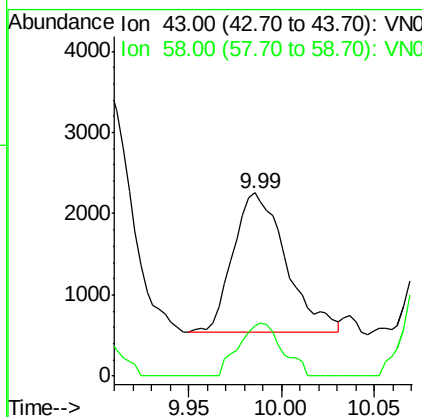
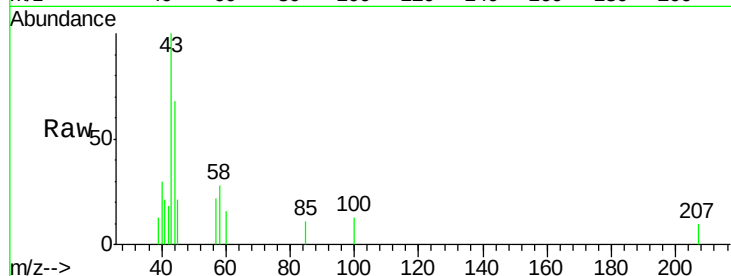




#51
 4-Methyl-2-Pentanone
 Concen: 0.48 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN049891.D
 Acq: 19 Jul 2018 00:07

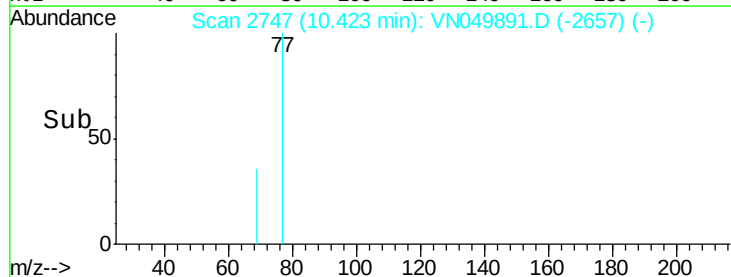
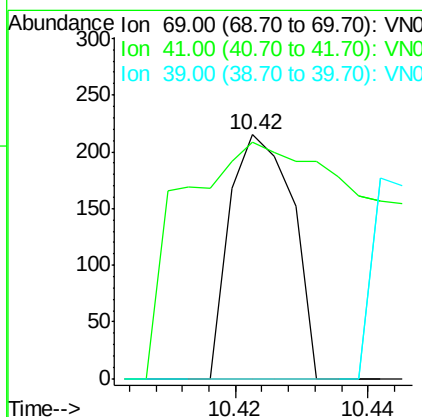
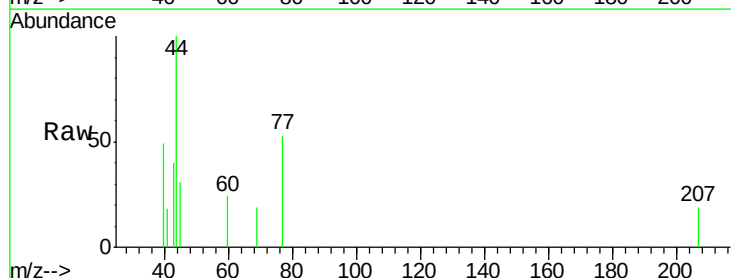
Instrument :
 MSVOA_N
 ClientSampleId :

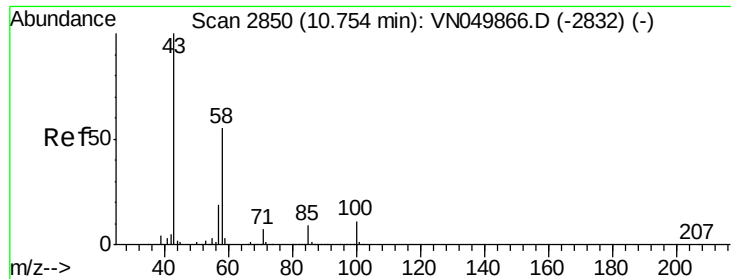
Tot Ion: 43 Resp: 3420
 Ion Ratio Lower Upper
 43 100
 58 31.2 31.8 47.8#



#56
 Ethyl methacrylate
 Concen: 2.17 ug/l
 RT: 10.42 min Scan# 2747
 Delta R.T. -0.01 min
 Lab File: VN049891.D
 Acq: 19 Jul 2018 00:07

Tgt Ion: 69 Resp: 141
 Ion Ratio Lower Upper
 69 100
 41 292.2 51.6 77.4#
 39 0.0 25.8 38.8#

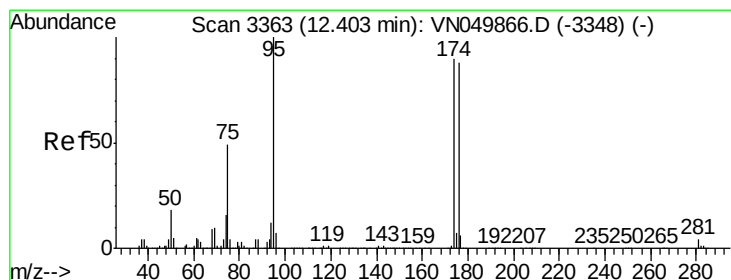
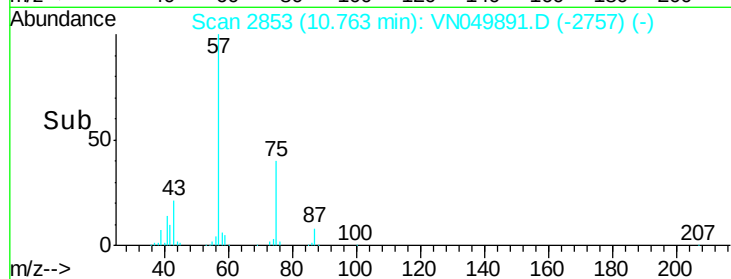
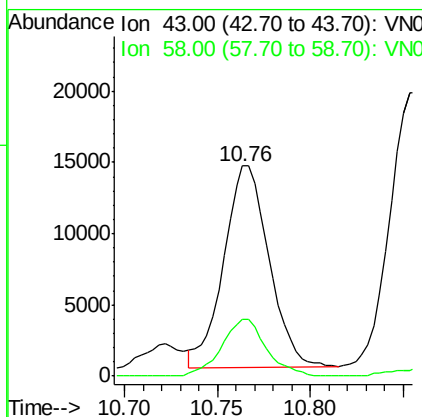
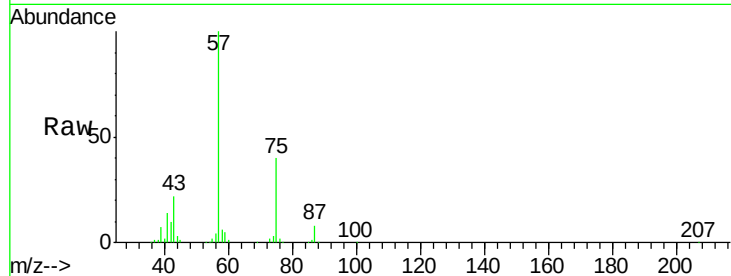




#59
2-Hexanone
Concen: 5.02 ug/l
RT: 10.76 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

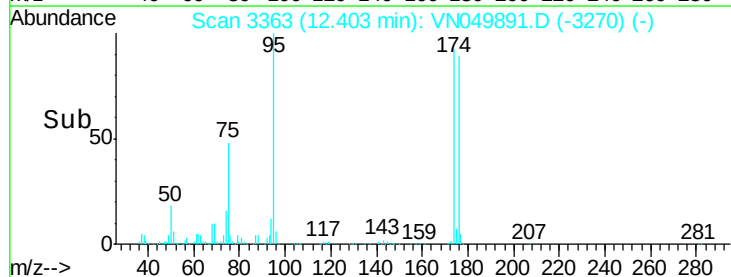
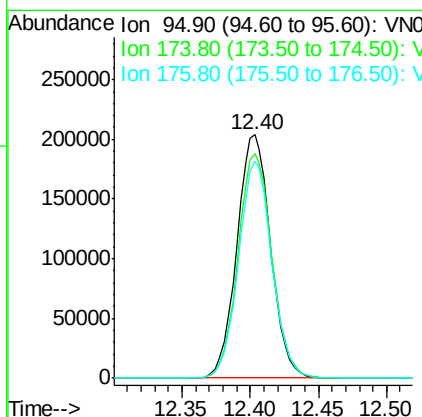
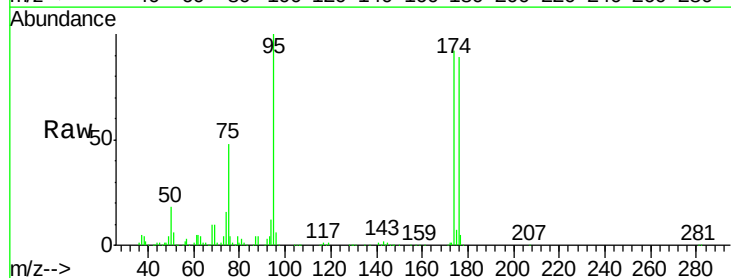
Instrument :
MSVOA_N
ClientSampleId :

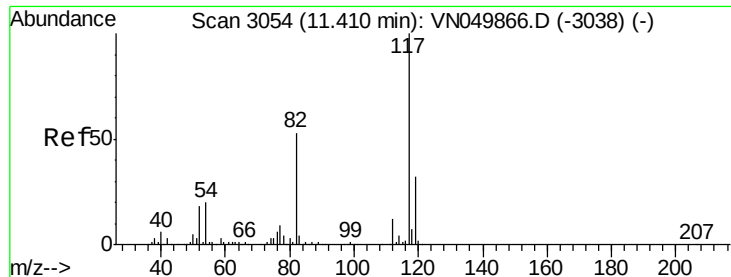
Tot Ion: 43 Resp: 23939
Ion Ratio Lower Upper
43 100
58 27.8 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 34.77 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

Tgt Ion: 95 Resp: 348551
Ion Ratio Lower Upper
95 100
174 93.3 0.0 179.6
176 88.5 0.0 174.0

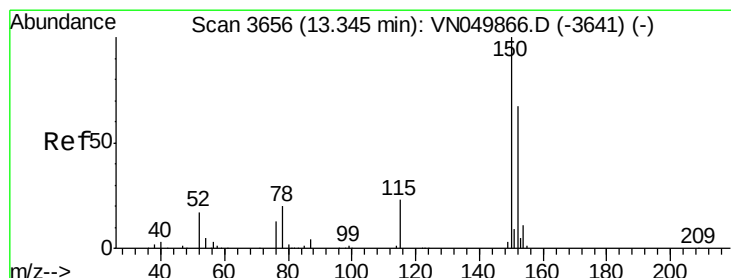
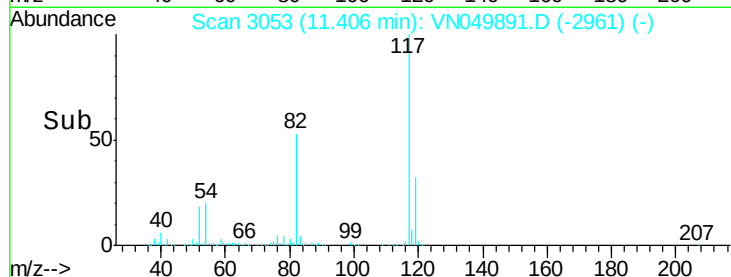
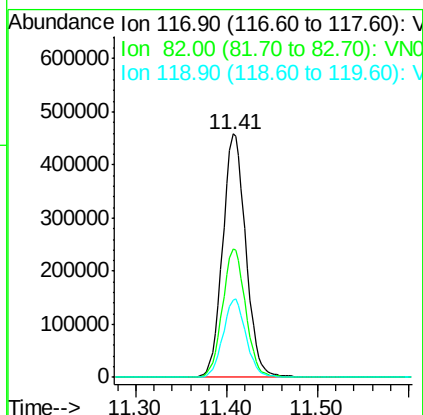
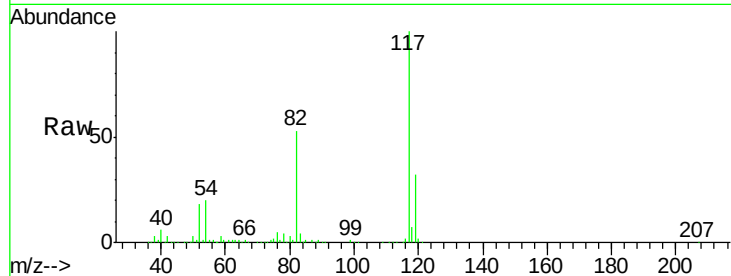




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

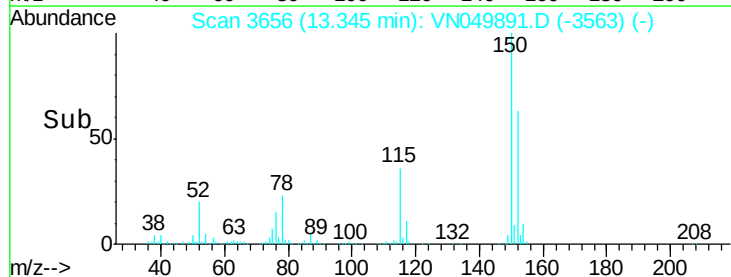
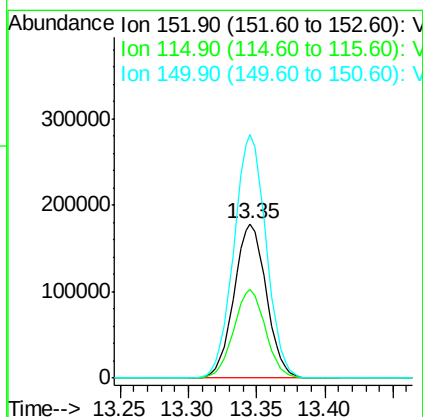
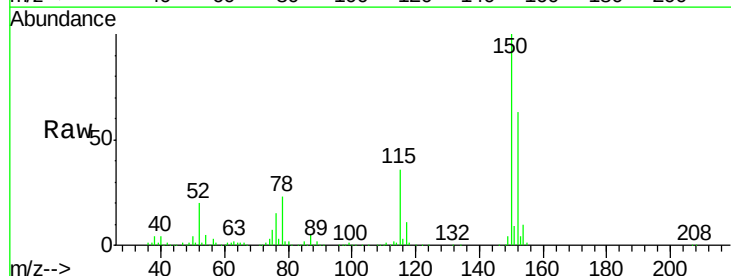
Instrument :
MSVOA_N
ClientSampled :

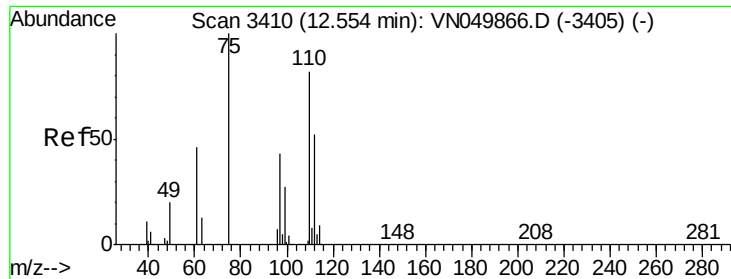
Tot Ion:117 Resp: 809305
Ion Ratio Lower Upper
117 100
82 52.9 41.9 62.9
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049891.D
Acq: 19 Jul 2018 00:07

Tgt Ion:152 Resp: 293066
Ion Ratio Lower Upper
152 100
115 56.3 28.1 84.2
150 157.8 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 30.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

Instrument :

MSVOA_N

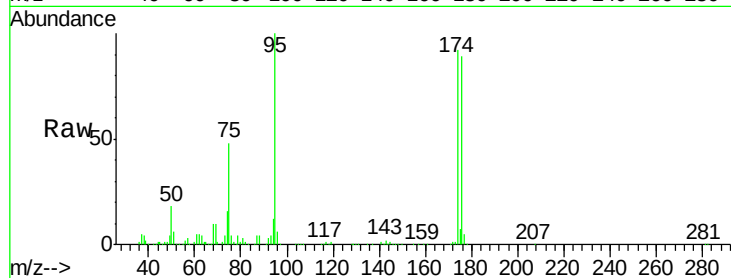
ClientSampled :

Tot Ion: 75 Resp: 170232

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049866.D (-3405) (-)

12.40

100000

80000

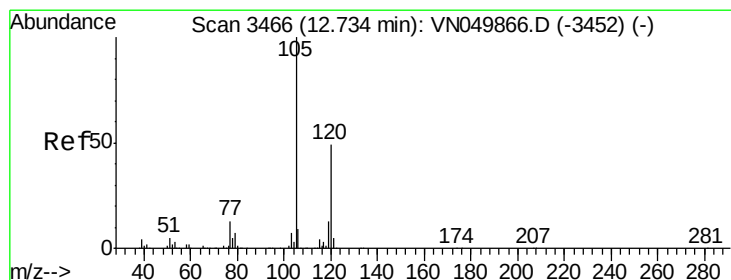
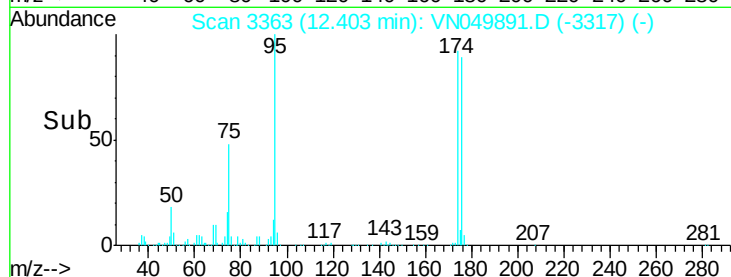
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.30 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049891.D

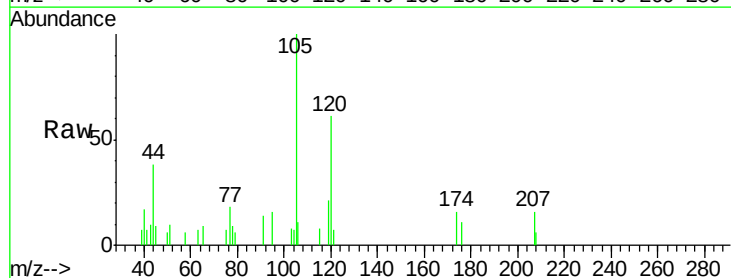
Acq: 19 Jul 2018 00:07

Tgt Ion: 105 Resp: 5338

Ion Ratio Lower Upper

105 100

120 52.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)

12.73

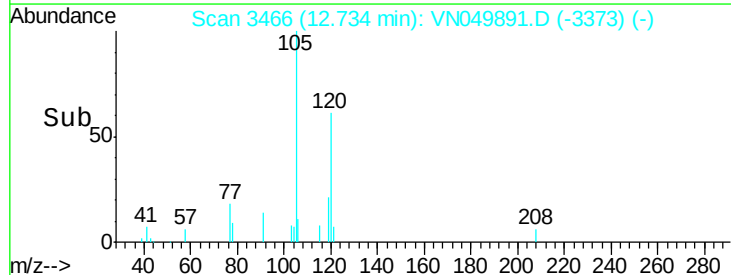
3000

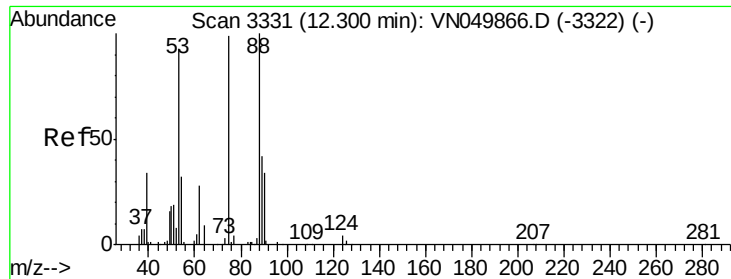
2000

1000

0

Time-->

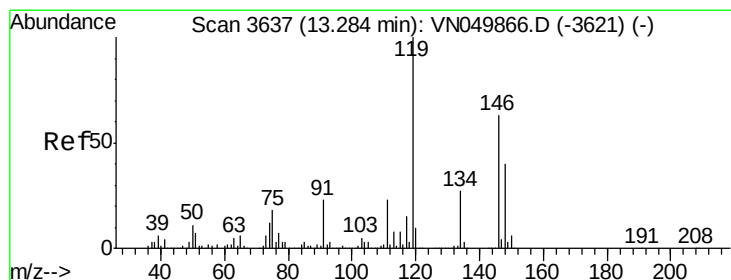
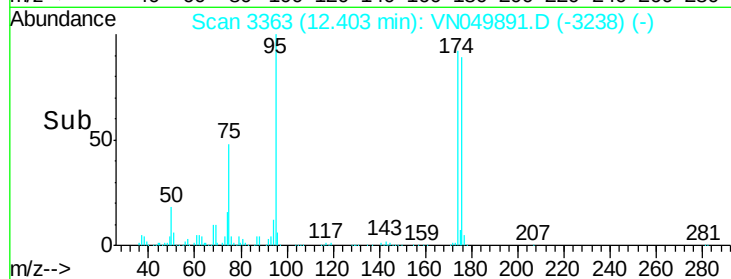
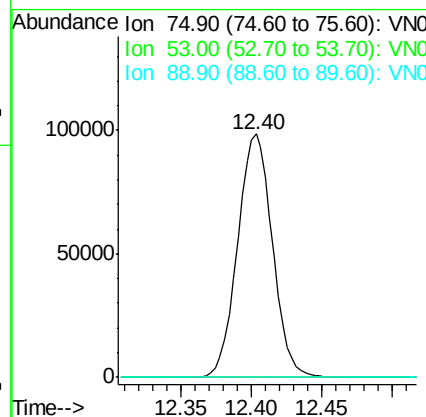
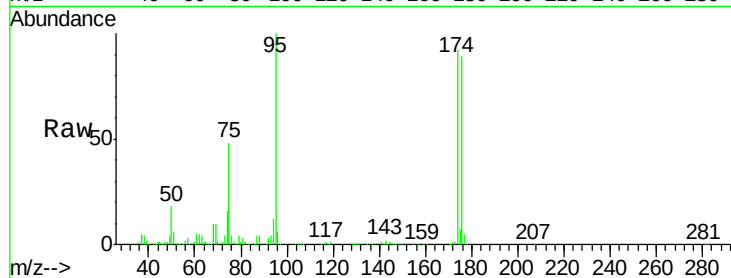




#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.83 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049891.D
 Acq: 19 Jul 2018 00:07

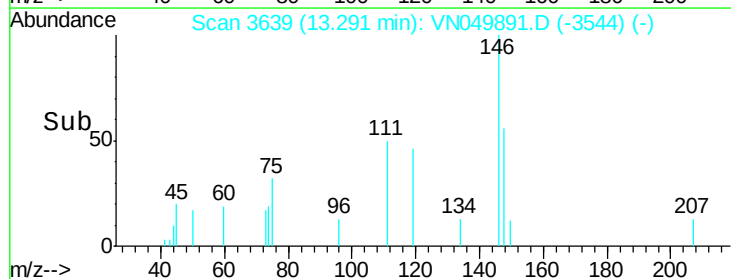
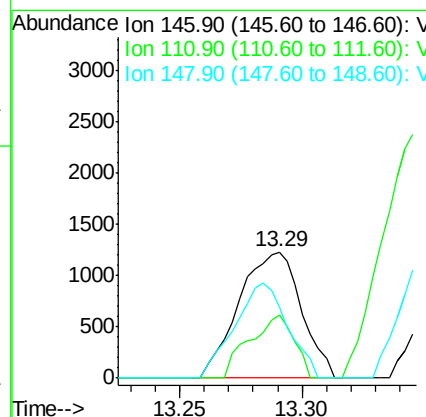
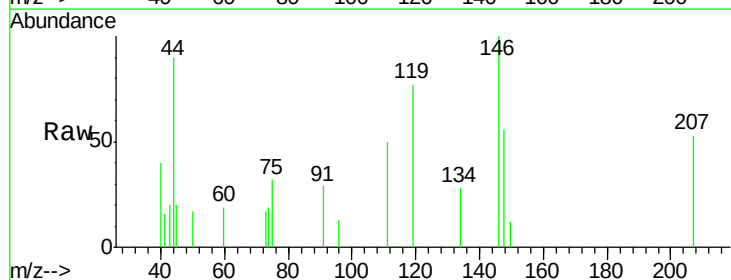
Instrument :
 MSVOA_N
 ClientSampled :

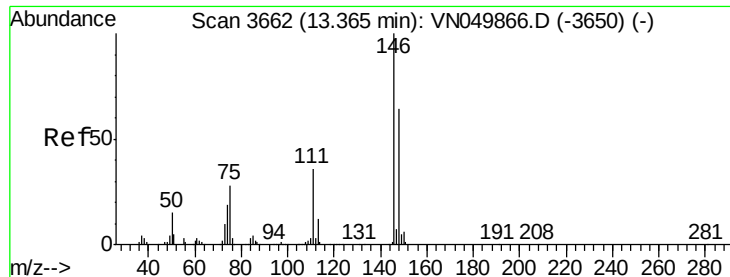
Tot Ion: 75 Resp: 170232
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 0.0 35.9 53.9#



#87
 1,3-Dichlorobenzene
 Concen: 0.20 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.01 min
 Lab File: VN049891.D
 Acq: 19 Jul 2018 00:07

Tgt Ion: 146 Resp: 2182
 Ion Ratio Lower Upper
 146 100
 111 35.7 19.0 57.0
 148 64.1 32.5 97.5





#88

1,4-Dichlorobenzene

Concen: 0.20 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.07 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

Instrument :

MSVOA_N

ClientSampleId :

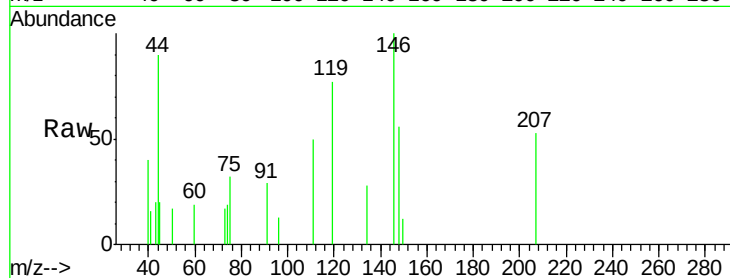
Tot Ion:146 Resp: 2182

Ion Ratio Lower Upper

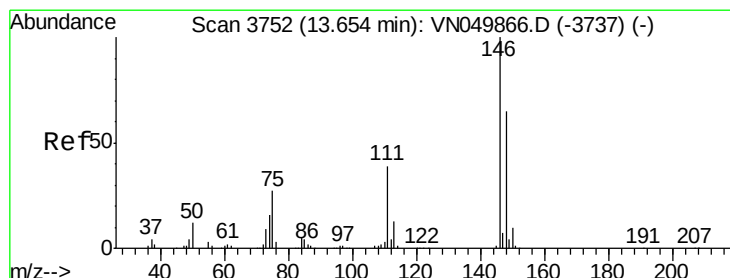
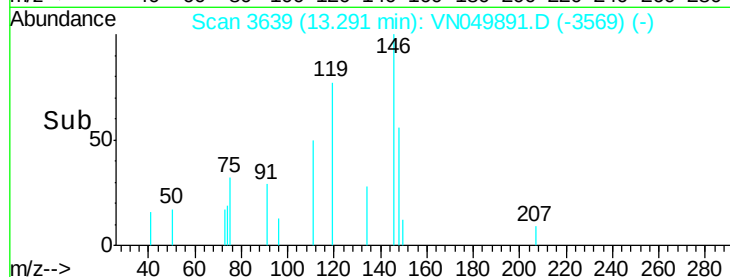
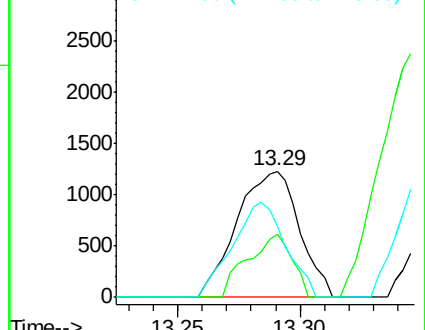
146 100

111 35.7 18.9 56.5

148 64.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.21 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

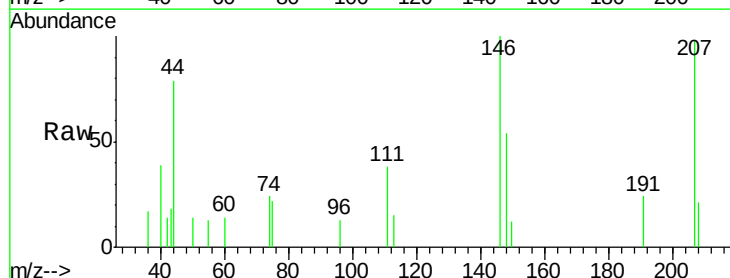
Tgt Ion:146 Resp: 2219

Ion Ratio Lower Upper

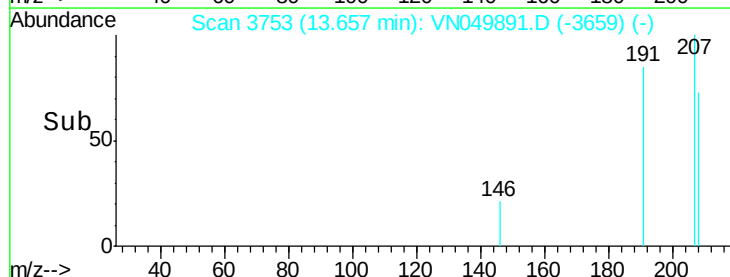
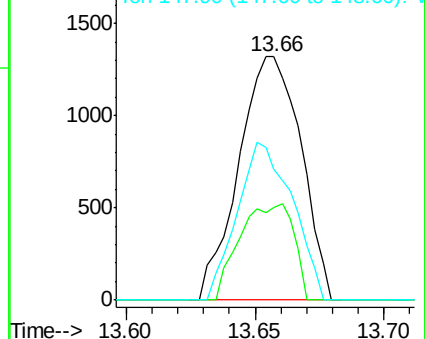
146 100

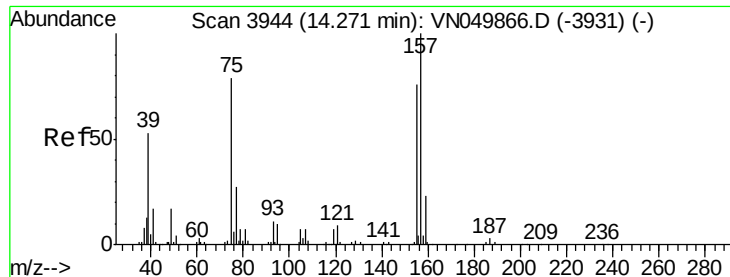
111 34.3 19.7 59.1

148 57.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.56 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

Instrument :

MSVOA_N

ClientSampleId :

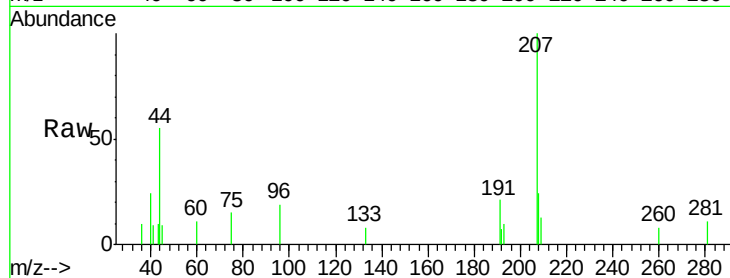
Tot Ion: 75 Resp: 573

Ion Ratio Lower Upper

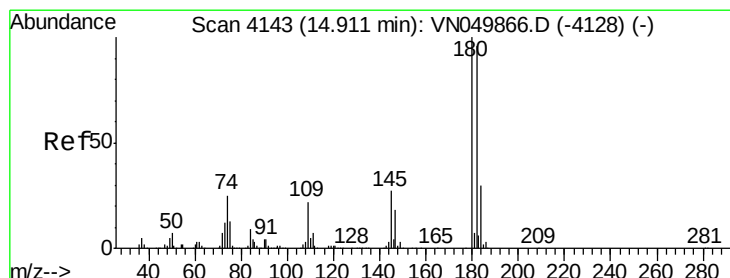
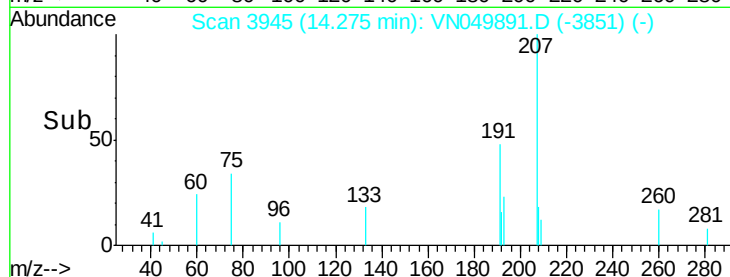
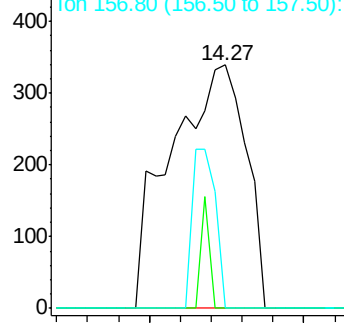
75 100

155 5.2 45.7 137.1#

157 20.4 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049891.D (-3851) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.00 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

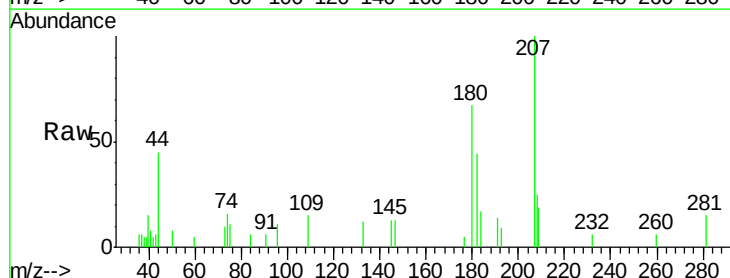
Tgt Ion: 180 Resp: 3244

Ion Ratio Lower Upper

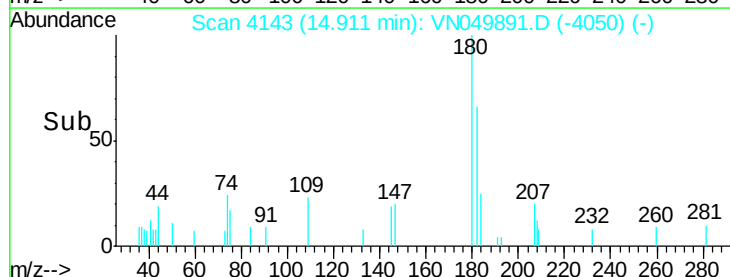
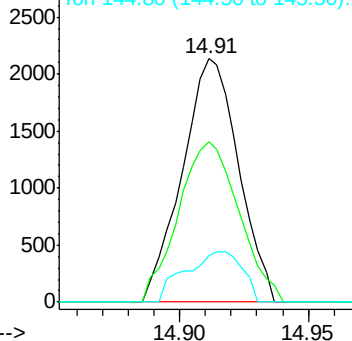
180 100

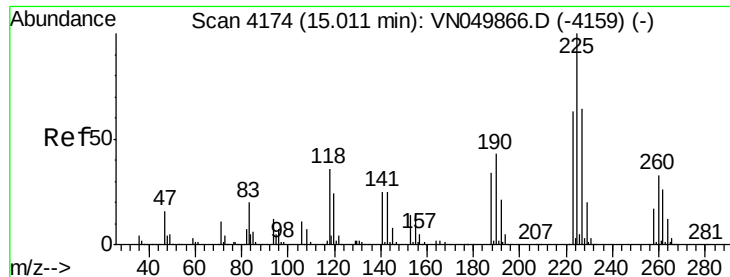
182 70.9 47.3 141.9

145 21.0 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): VN049891.D (-4050) (-)





#94

Hexachlorobutadiene

Concen: 0.37 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. 0.00 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

Instrument :

MSVOA_N

ClientSampled :

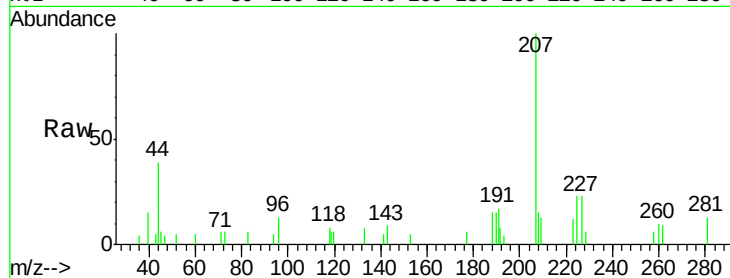
Tot Ion:225 Resp: 1285

Ion Ratio Lower Upper

225 100

223 37.4 30.9 92.7

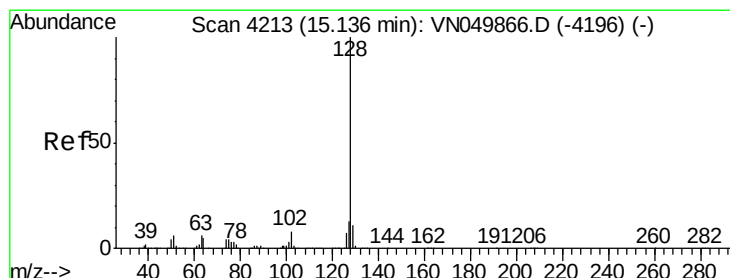
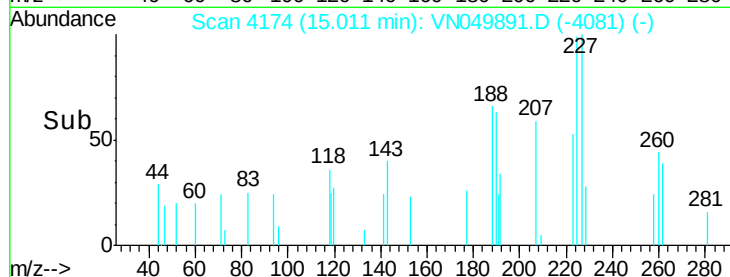
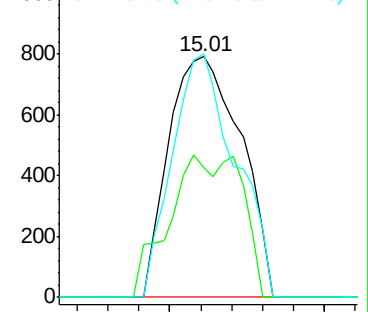
227 88.6 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.03 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

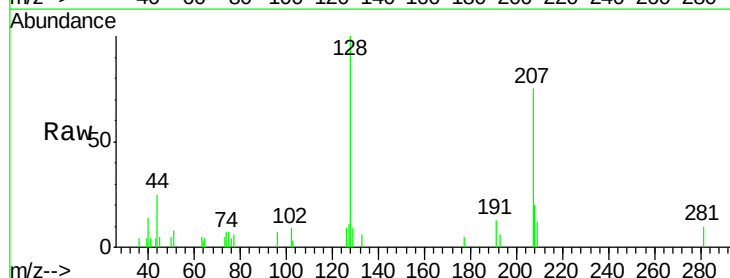
Tgt Ion:128 Resp: 8257

Ion Ratio Lower Upper

128 100

127 14.1 10.4 15.6

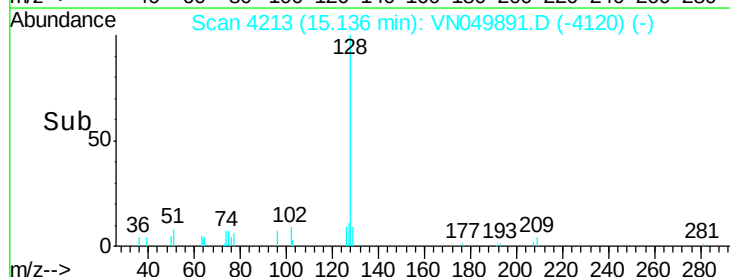
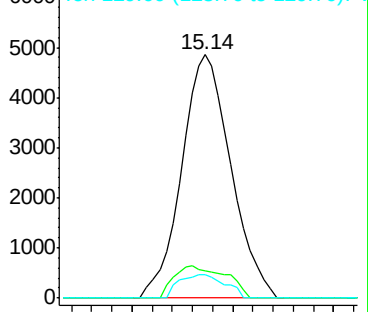
129 9.1 8.6 13.0

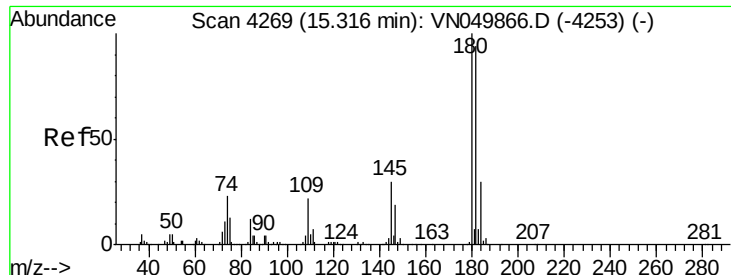


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.63 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049891.D

Acq: 19 Jul 2018 00:07

Instrument :

MSVOA_N

ClientSampleId :

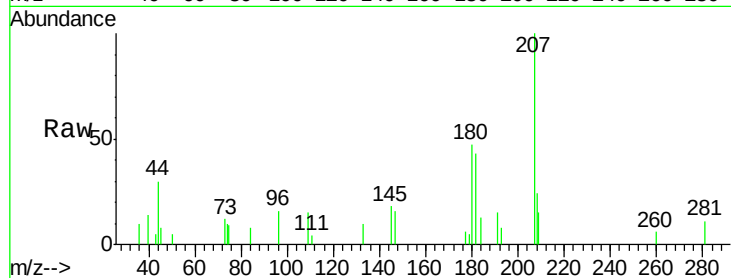
Tot Ion:180 Resp: 3187

Ion Ratio Lower Upper

180 100

182 93.6 47.4 142.2

145 34.3 15.2 45.6



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

