

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049996.D
 Acq On : 21 Jul 2018 7:50
 Operator : MD\SY
 Sample : J4062-42
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Jul 23 01:03:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	556330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	966296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	827595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311889	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	416960	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	
35) Dibromofluoromethane	7.59	113	367353	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
50) Toluene-d8	10.09	98	1308270	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	
62) 4-Bromofluorobenzene	12.40	95	368809	36.23	ug/l	0.00
Spiked Amount			Recovery	=	72.46%	

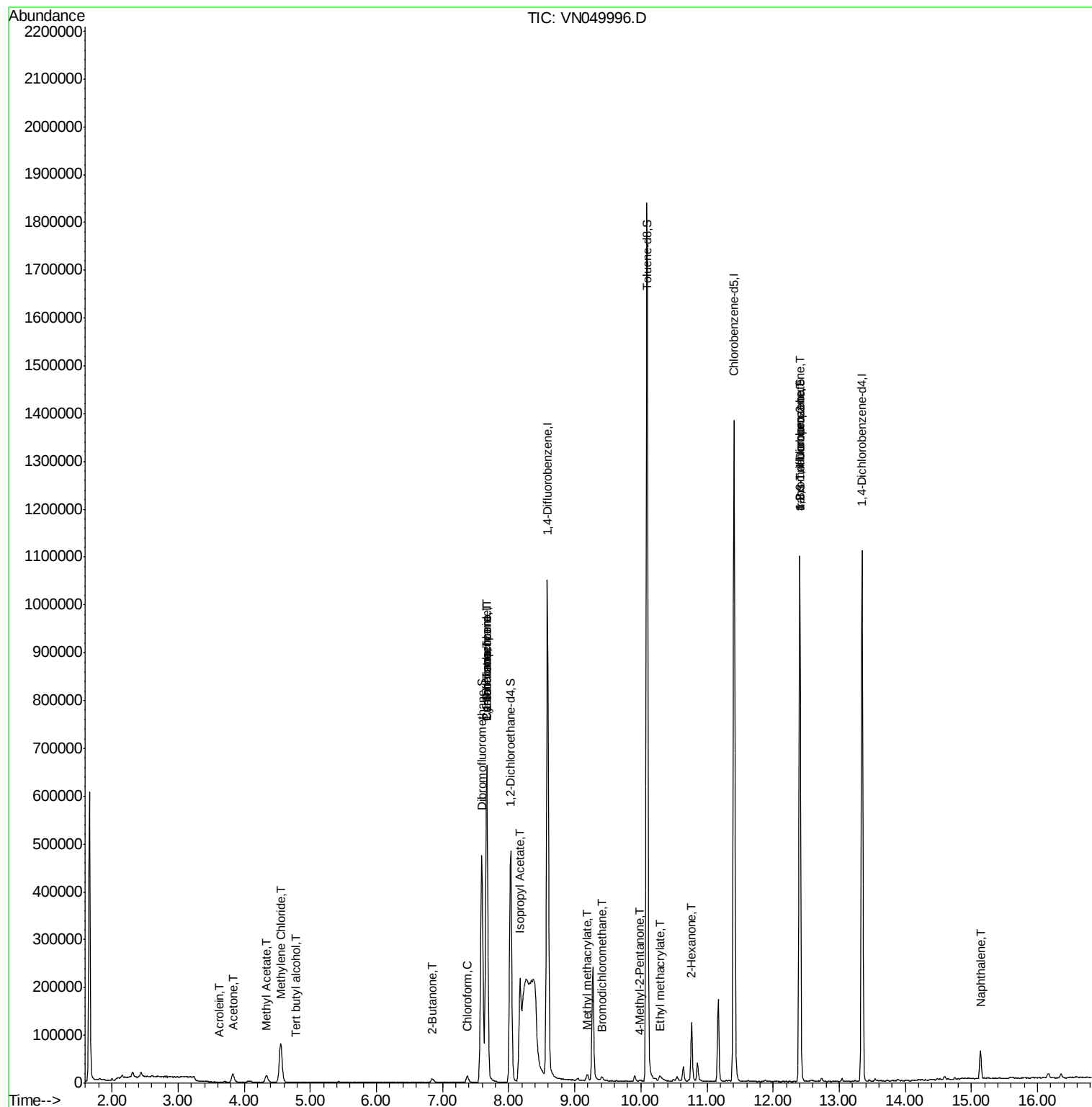
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	274	Below Cal		87
11) Tert butyl alcohol	4.79	59	378	0.69 ug/l	#	72
13) Acrolein	3.61	56	133	0.38 ug/l	#	15
16) Acetone	3.83	43	29436	14.87 ug/l		90
18) Methyl Acetate	4.34	43	27181	3.60 ug/l		99
20) Methylene Chloride	4.55	84	63030	8.37 ug/l		99
25) 2-Butanone	6.85	43	9204	3.25 ug/l		90
30) Chloroform	7.37	83	14514	1.14 ug/l		99
31) Cyclohexane	7.67	56	10667	1.05 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	41368	3.85 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	51128	4.44 ug/l	#	16
43) Isopropyl Acetate	8.17	43	251650	19.52 ug/l		95
47) Bromodichloromethane	9.41	83	4609	0.41 ug/l		97
48) Methyl methacrylate	9.18	41	8330	1.29 ug/l	#	22
51) 4-Methyl-2-Pentanone	10.00	43	2059	0.29 ug/l		91
56) Ethyl methacrylate	10.29	69	77	2.16 ug/l	#	1
59) 2-Hexanone	10.77	43	16947	3.50 ug/l	#	62
76) 1,2,3-Trichloropropane	12.40	75	180592	30.87 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	180592	96.52 ug/l	#	13
95) Naphthalene	15.13	128	51573	7.67 ug/l		98

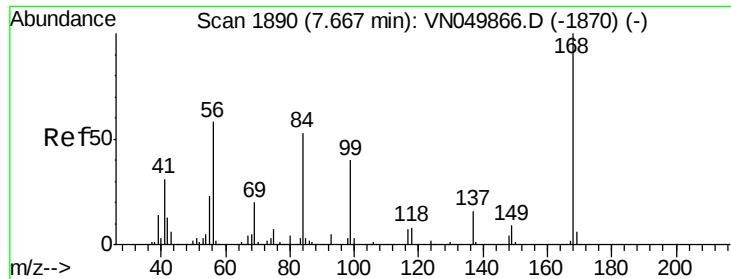
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 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: VN049996.D

Acq: 21 Jul 2018 7:50

Instrument :

MSVOA_N

ClientSampled :

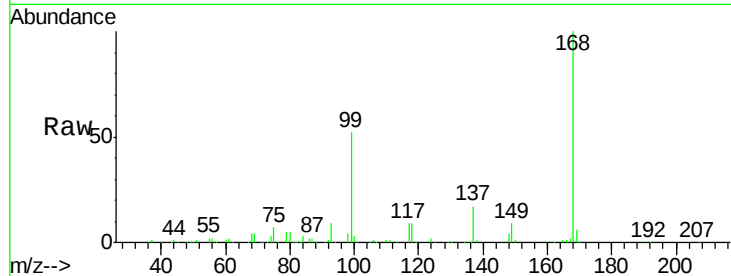
TP-10

Tot Ion:168 Resp: 556330

Ion Ratio Lower Upper

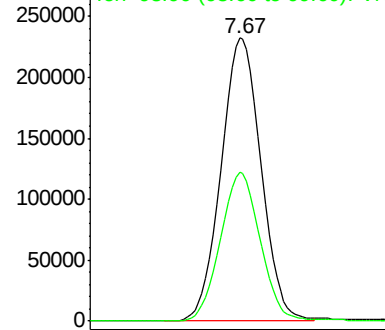
168 100

99 52.5 40.6 61.0

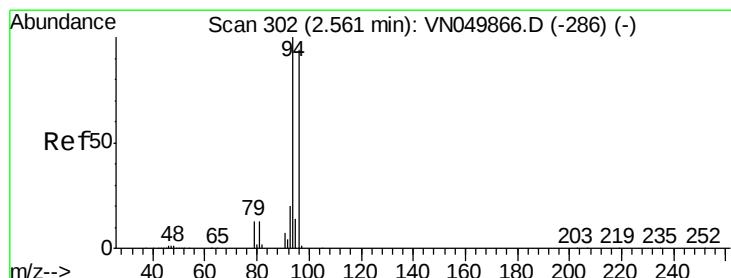
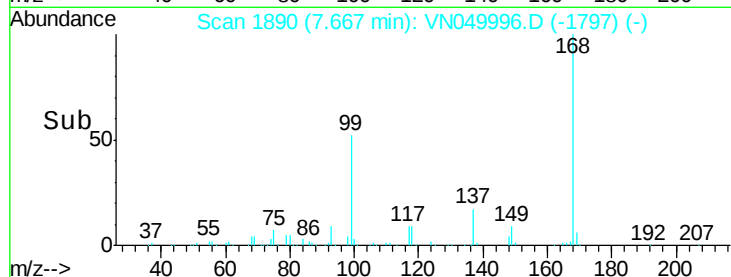


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049996.D

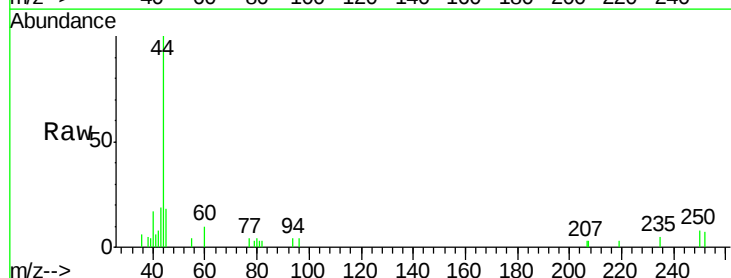
Acq: 21 Jul 2018 7:50

Tgt Ion: 94 Resp: 274

Ion Ratio Lower Upper

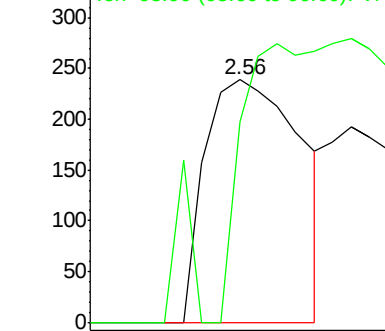
94 100

96 82.4 75.7 113.5

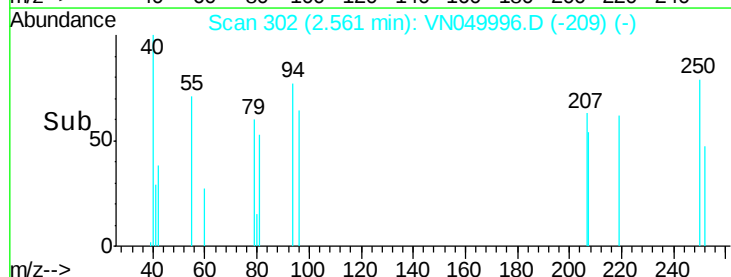


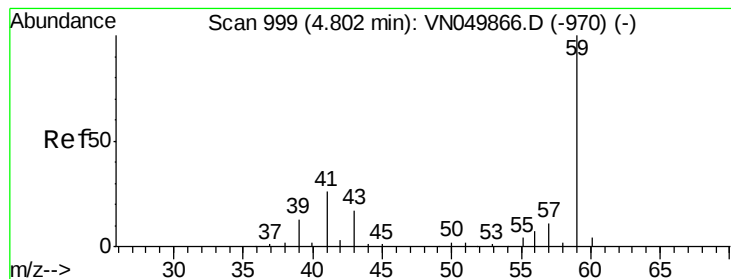
Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



Time-->



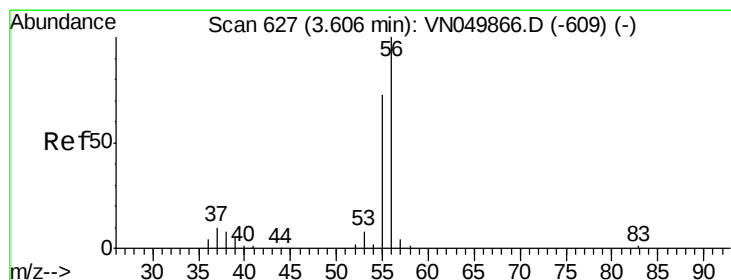
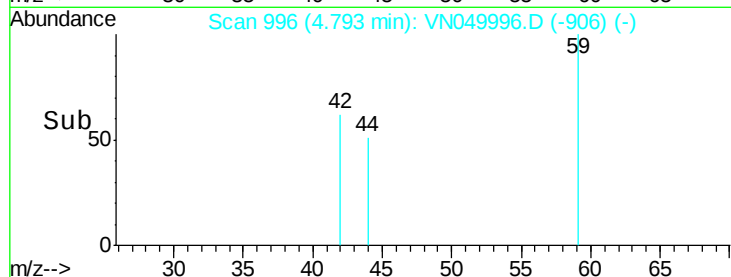
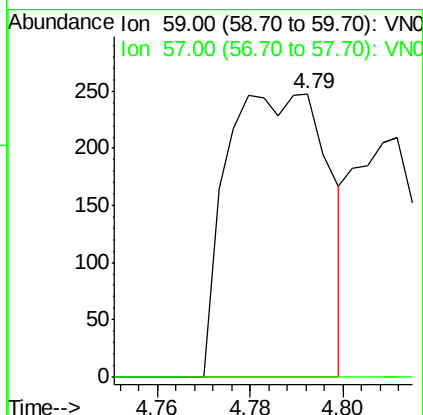
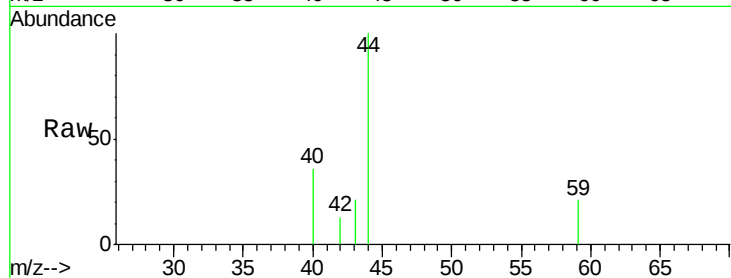


#11

Tert butyl alcohol
 Concen: 0.69 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN049996.D
 Acq: 21 Jul 2018 7:50

Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

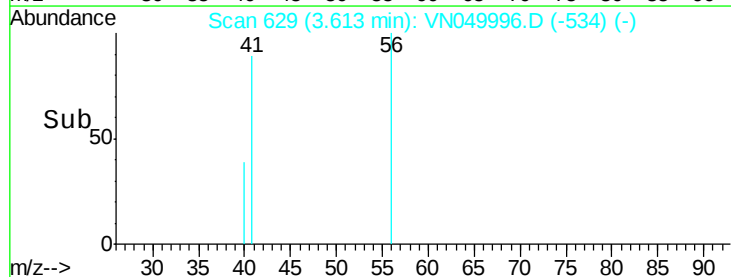
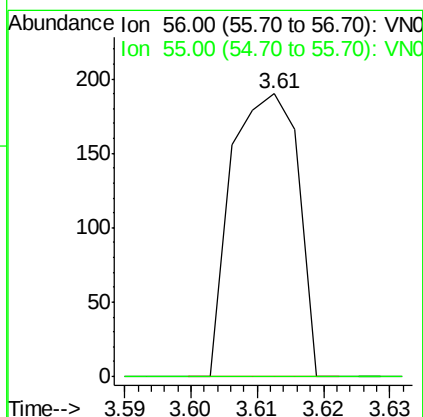
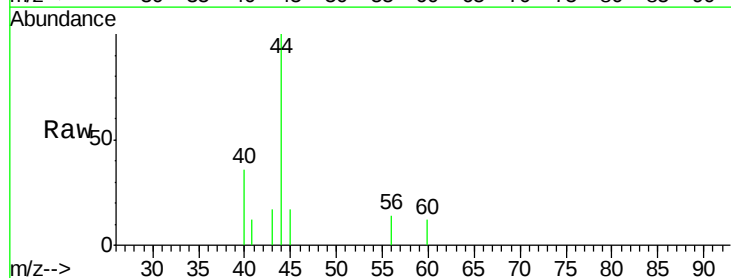
Tot Ion: 59 Resp: 378
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

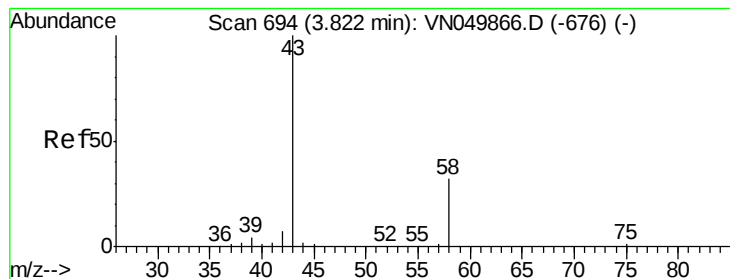


#13

Acrolein
 Concen: 0.38 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VN049996.D
 Acq: 21 Jul 2018 7:50

Tgt Ion: 56 Resp: 133
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 14.87 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049996.D

Acq: 21 Jul 2018 7:50

Instrument :

MSVOA_N

ClientSampled :

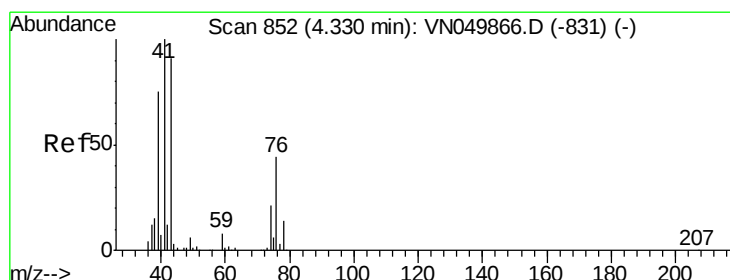
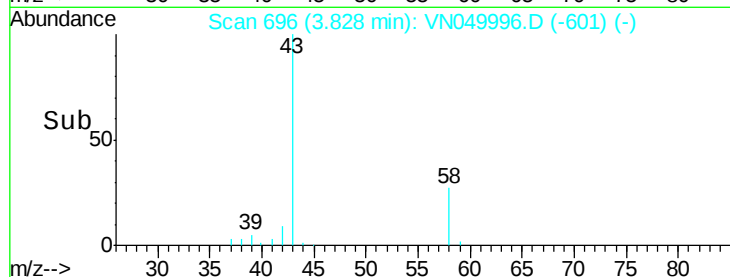
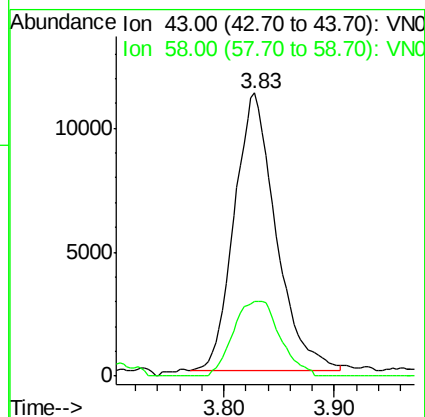
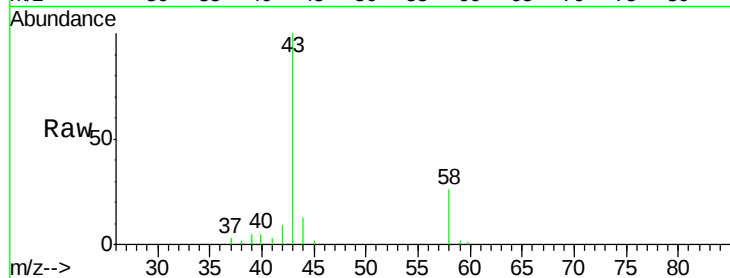
TP-10

Tot Ion: 43 Resp: 29436

Ion Ratio Lower Upper

43 100

58 26.9 25.9 38.9



#18

Methyl Acetate

Concen: 3.60 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049996.D

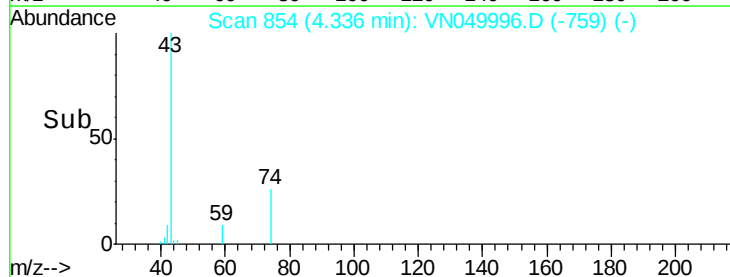
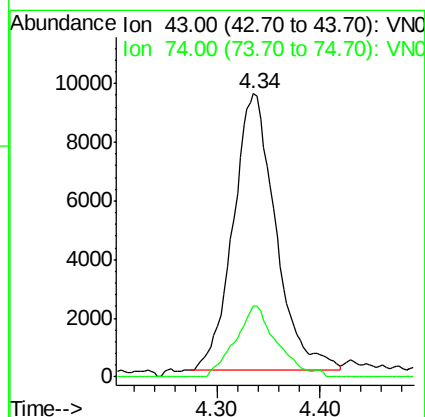
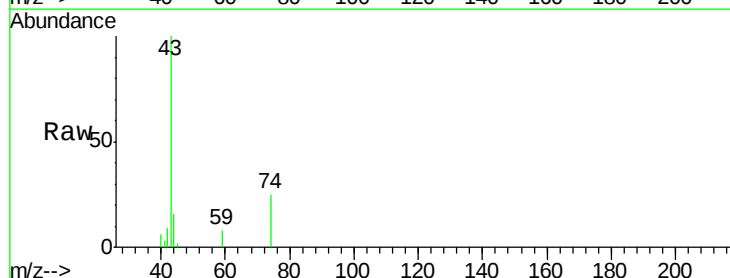
Acq: 21 Jul 2018 7:50

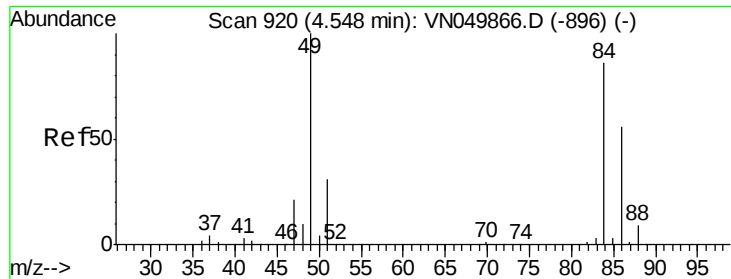
Tgt Ion: 43 Resp: 27181

Ion Ratio Lower Upper

43 100

74 24.3 19.8 29.8

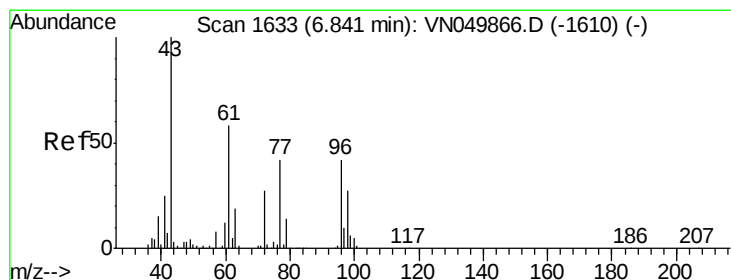
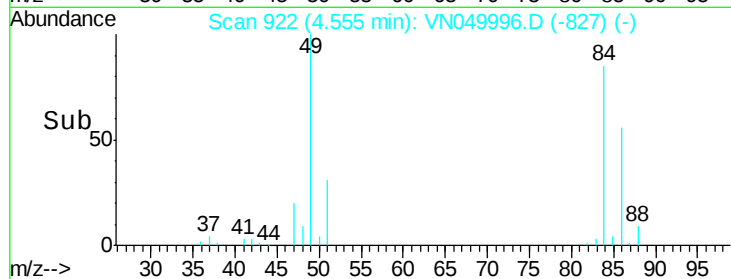
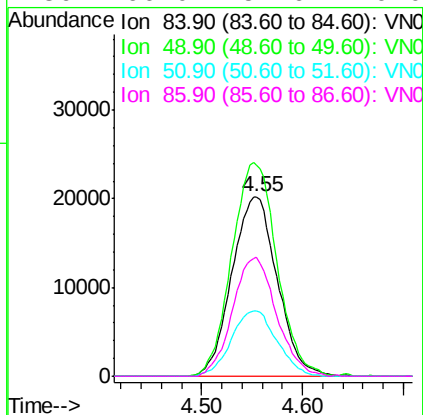
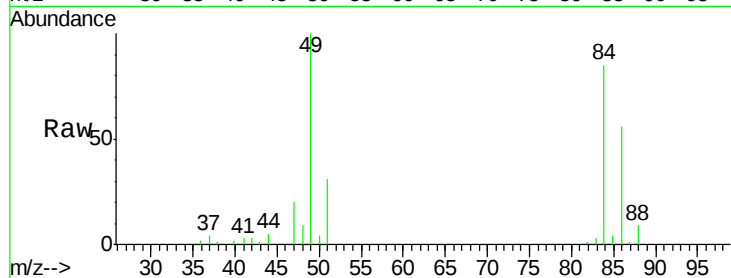




#20
Methvlene Chloride
Concen: 8.37 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN049996.D
Acq: 21 Jul 2018 7:50

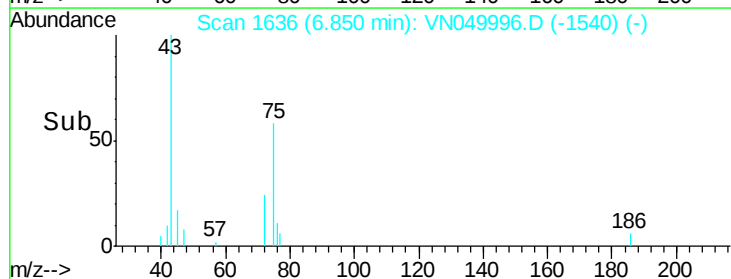
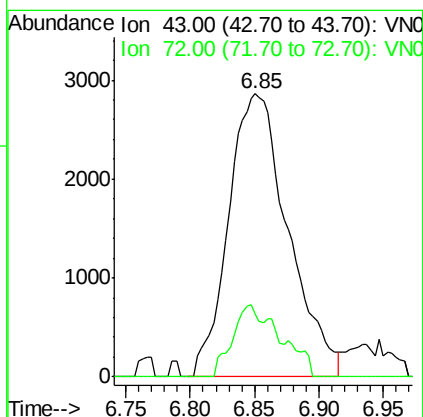
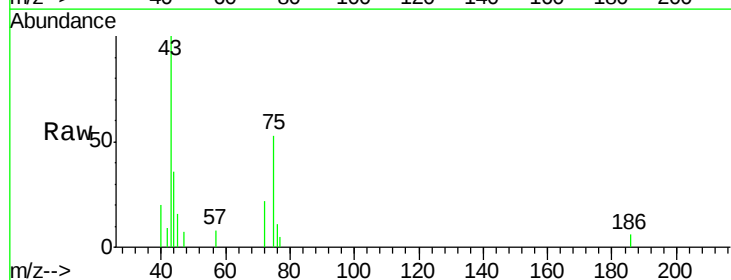
Instrument :
MSVOA_N
ClientSampled :
TP-10

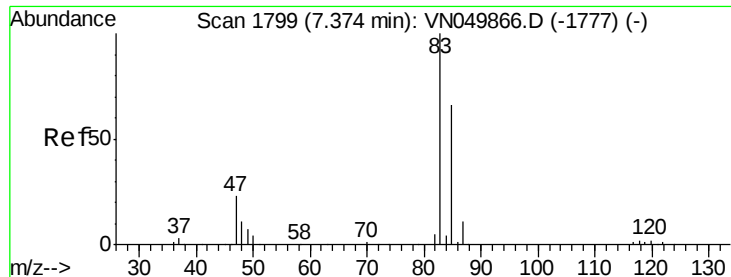
Tot Ion:	84	Resp:	63030
Ion	Ratio	Lower	Upper
84	100		
49	117.6	95.4	143.2
51	36.6	28.4	42.6
86	66.0	52.6	79.0



#25
2-Butanone
Concen: 3.25 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049996.D
Acq: 21 Jul 2018 7:50

Tgt Ion:	43	Resp:	9204
Ion	Ratio	Lower	Upper
43	100		
72	22.4	22.1	33.1

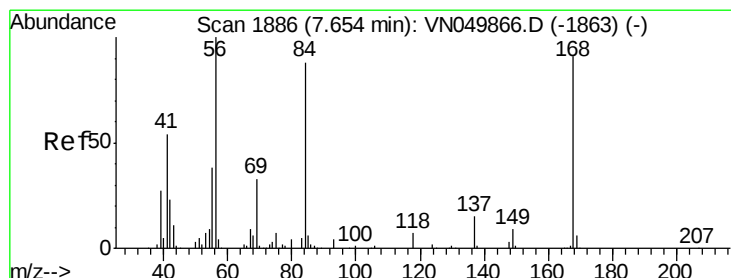
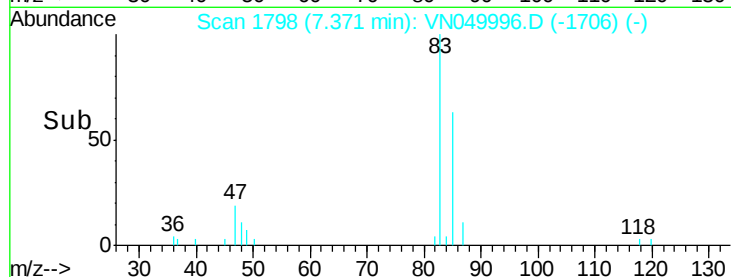
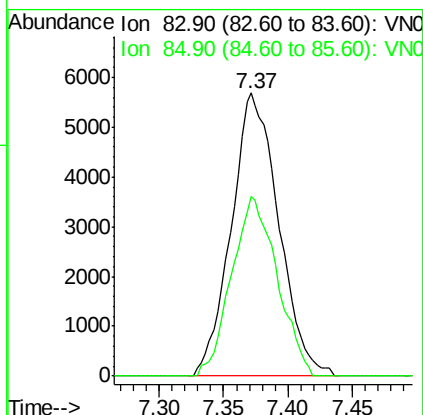
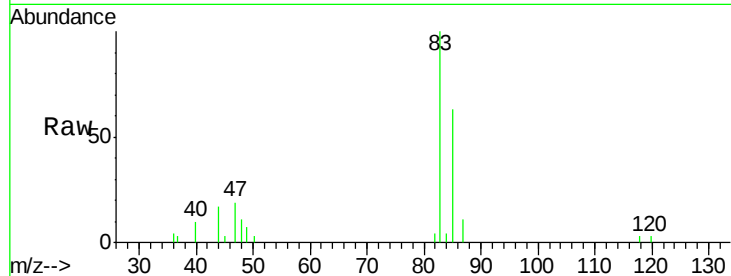




#30
Chloroform
Concen: 1.14 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049996.D
Acq: 21 Jul 2018 7:50

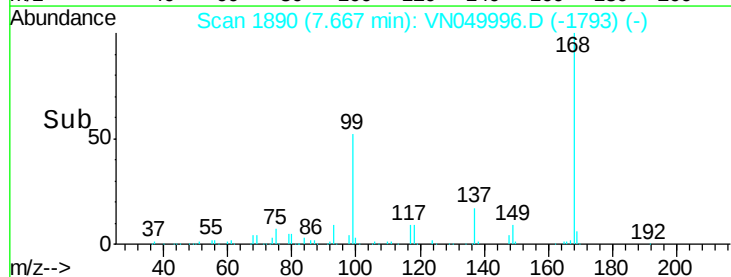
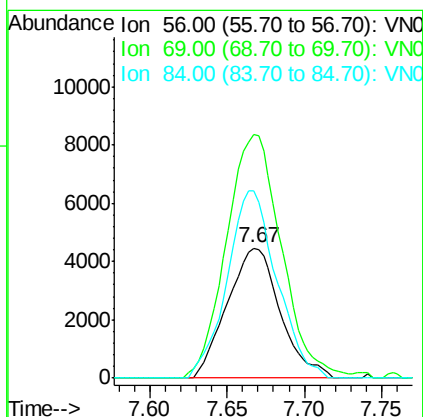
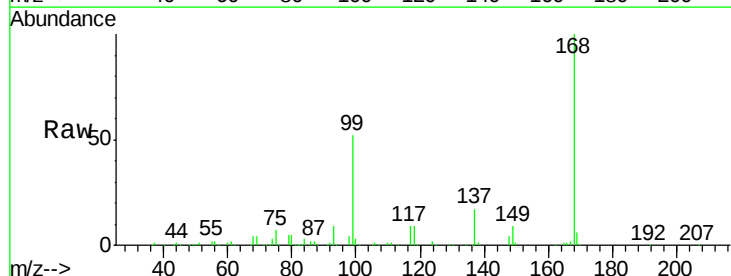
Instrument :
MSVOA_N
ClientSampled :
TP-10

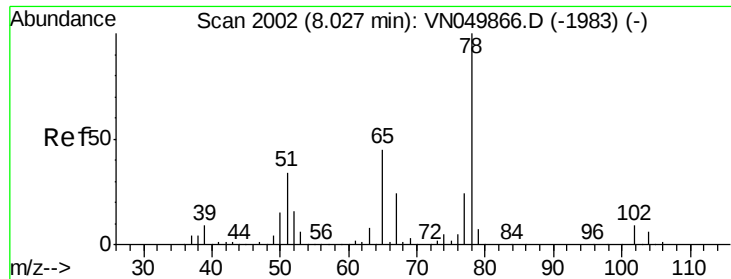
Tot Ion: 83 Resp: 14514
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049996.D
Acq: 21 Jul 2018 7:50

Tgt Ion: 56 Resp: 10667
Ion Ratio Lower Upper
56 100
69 182.1 26.6 40.0#
84 143.6 69.0 103.6#

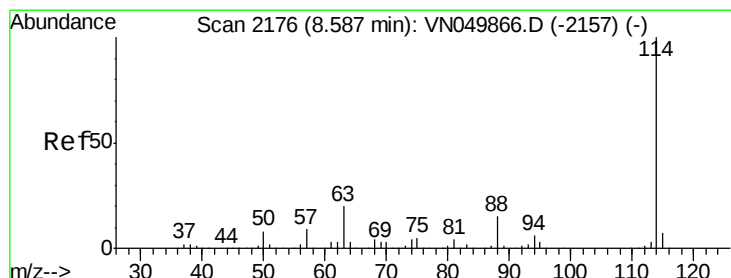
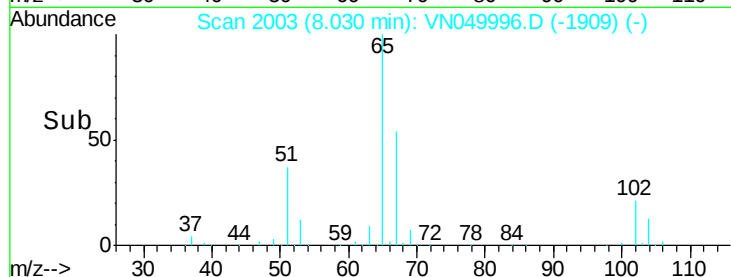
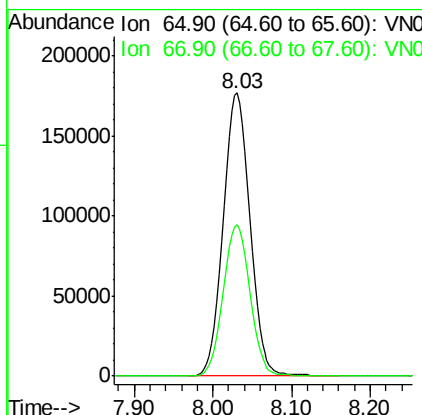
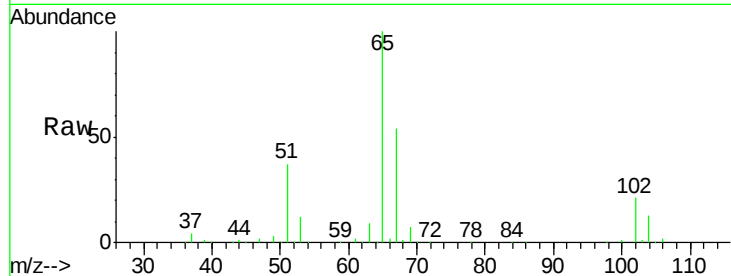




#33
 1,2-Dichloroethane-d4
 Concen: 54.53 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049996.D
 Acq: 21 Jul 2018 7:50

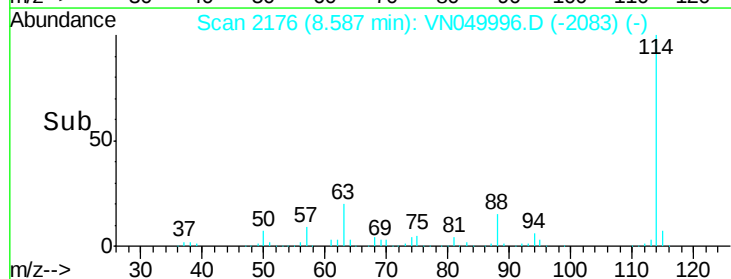
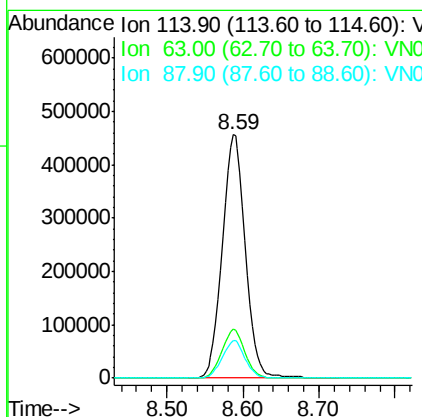
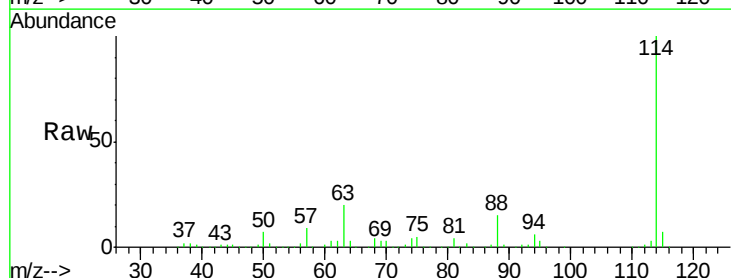
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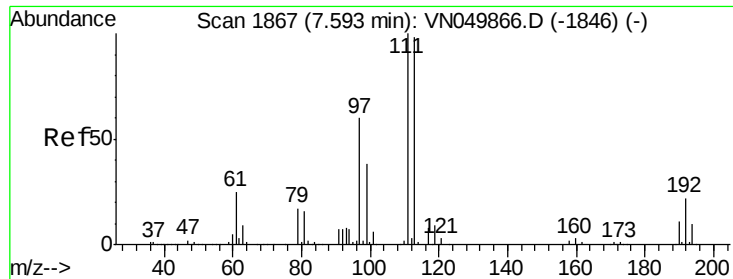
Tot Ion: 65 Resp: 416960
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049996.D
 Acq: 21 Jul 2018 7:50

Tgt Ion: 114 Resp: 966296
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.4 0.0 30.6

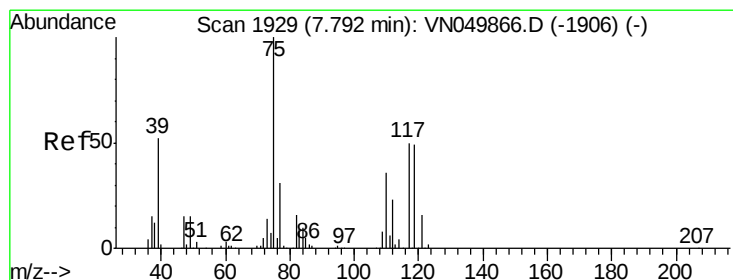
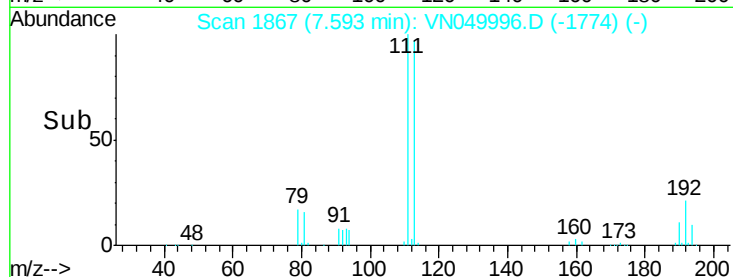
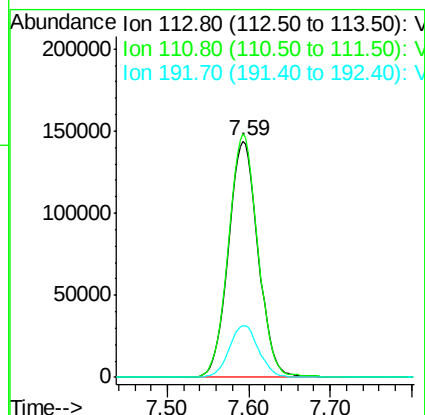
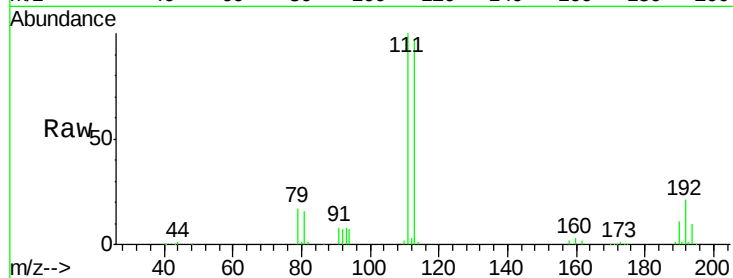




#35
 Dibromofluoromethane
 Concen: 45.28 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049996.D
 Acq: 21 Jul 2018 7:50

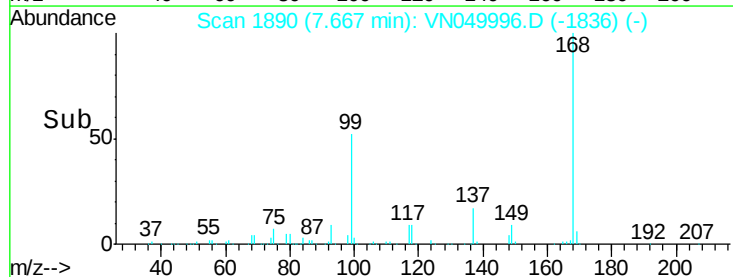
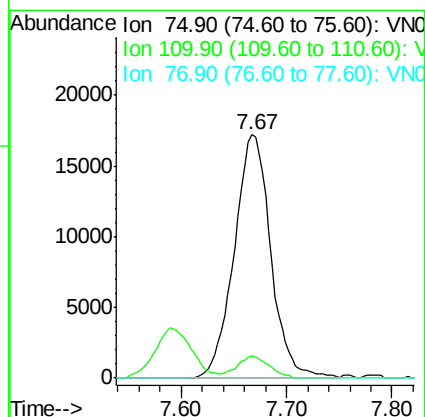
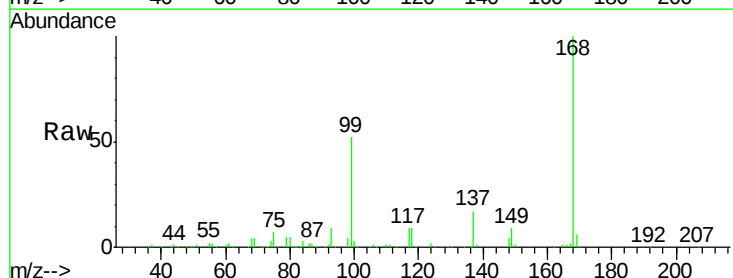
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

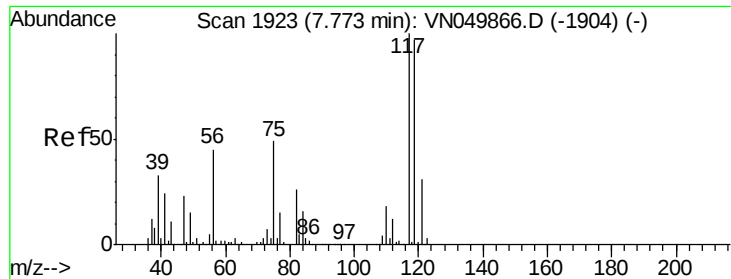
Tot Ion:113 Resp: 367353
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.8 122.8
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049996.D
 Acq: 21 Jul 2018 7:50

Tgt Ion: 75 Resp: 41368
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.1 54.4#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.44 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049996.D

Acq: 21 Jul 2018 7:50

Instrument :

MSVOA_N

ClientSampled :

TP-10

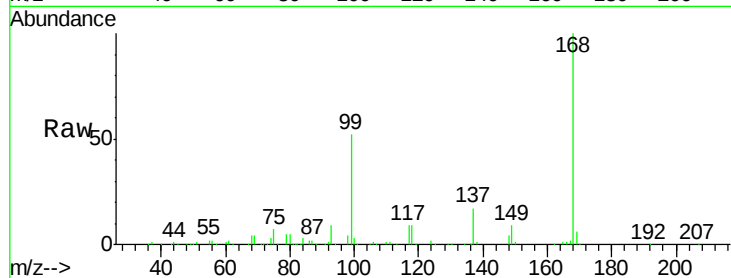
Tot Ion:117 Resp: 51128

Ion Ratio Lower Upper

117 100

119 5.4 77.2 115.8#

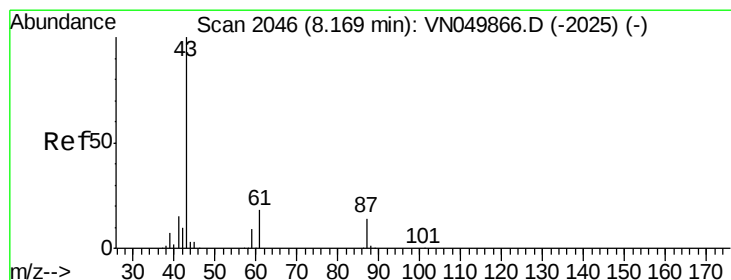
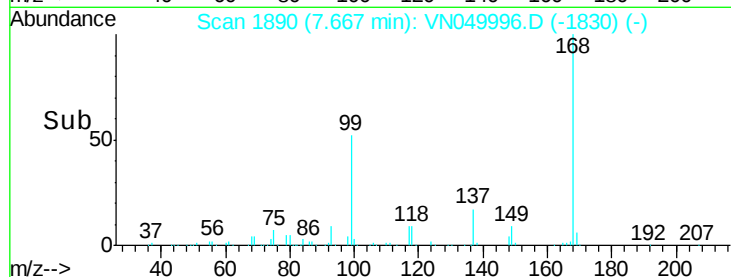
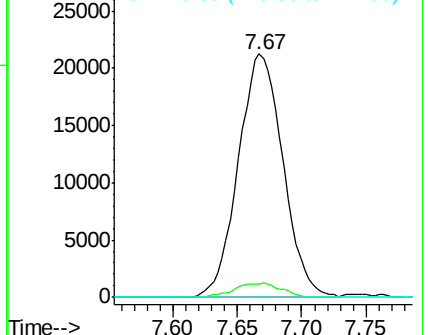
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 19.52 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049996.D

Acq: 21 Jul 2018 7:50

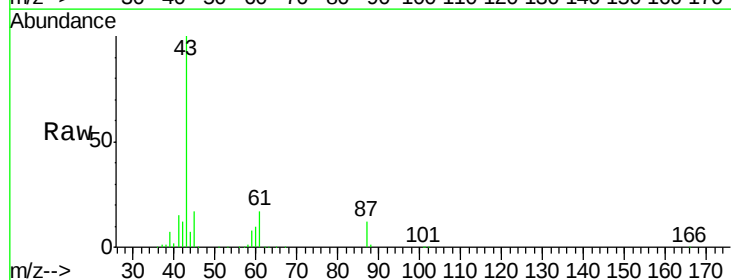
Tgt Ion: 43 Resp: 251650

Ion Ratio Lower Upper

43 100

61 16.6 14.9 22.3

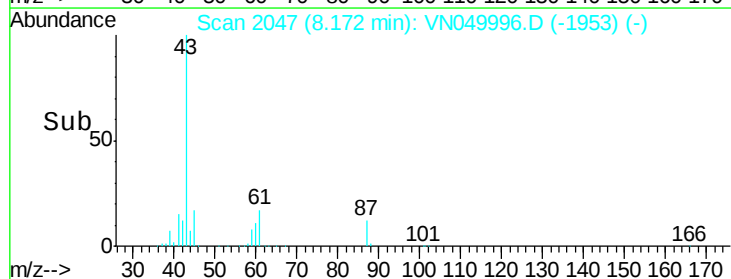
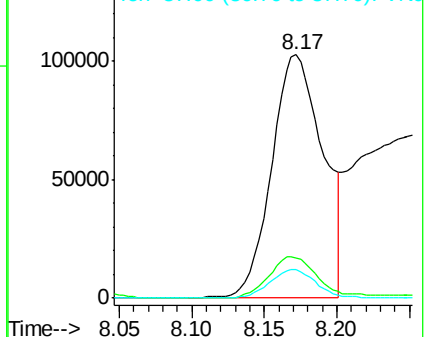
87 10.6 10.0 15.0

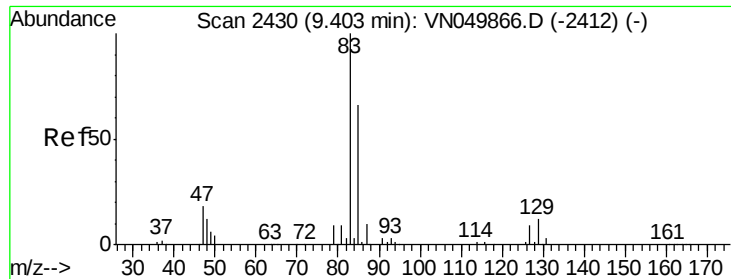


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#47

Bromodichloromethane

Concen: 0.41 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049996.D

Acq: 21 Jul 2018 7:50

Instrument :

MSVOA_N

ClientSampled :

TP-10

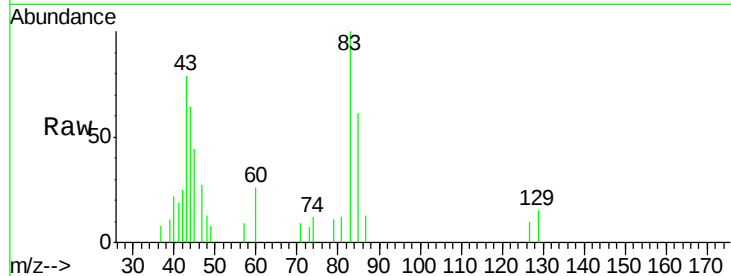
Tot Ion: 83 Resp: 4609

Ion Ratio Lower Upper

83 100

85 61.1 50.5 75.7

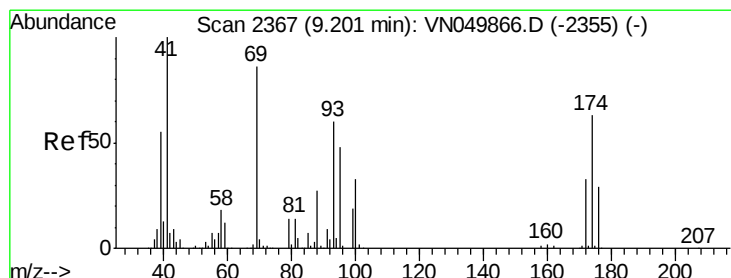
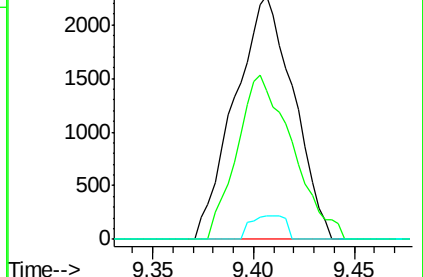
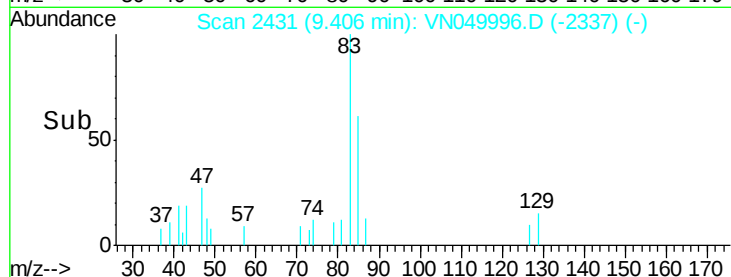
127 9.6 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049996.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049996.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049996.D (-2337) (-)



#48

Methyl methacrylate

Concen: 1.29 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN049996.D

Acq: 21 Jul 2018 7:50

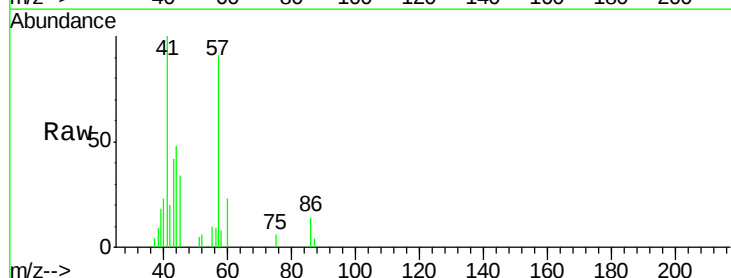
Tgt Ion: 41 Resp: 8330

Ion Ratio Lower Upper

41 100

69 0.0 71.5 107.3#

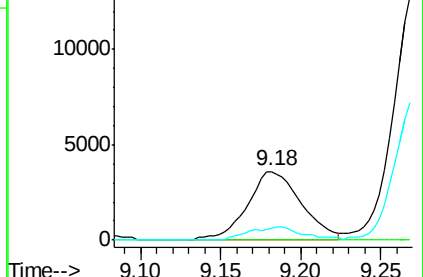
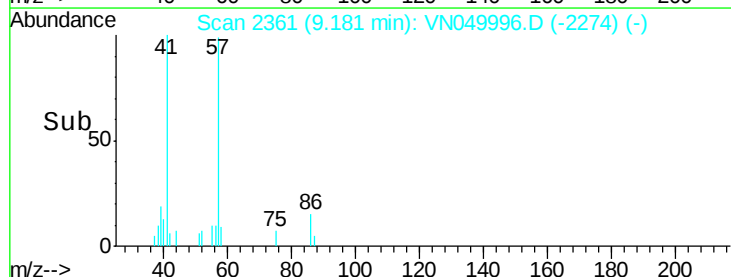
39 19.6 44.7 67.1#

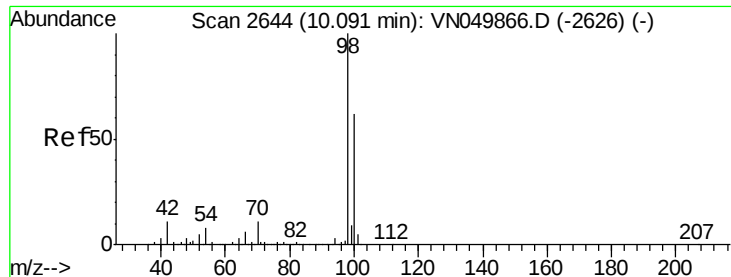


Abundance Ion 41.00 (40.70 to 41.70): VN049996.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049996.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049996.D (-2274) (-)

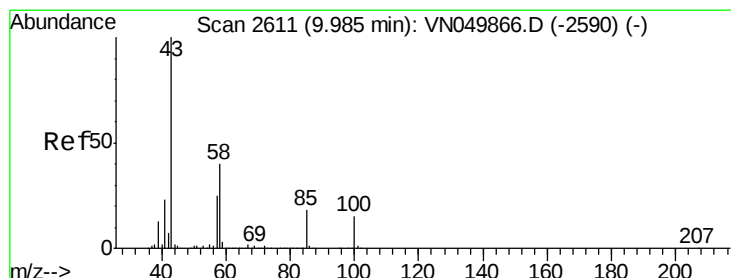
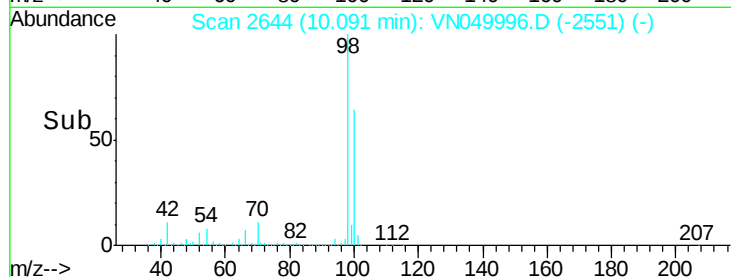
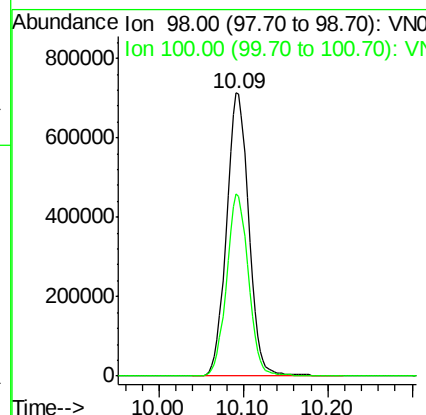
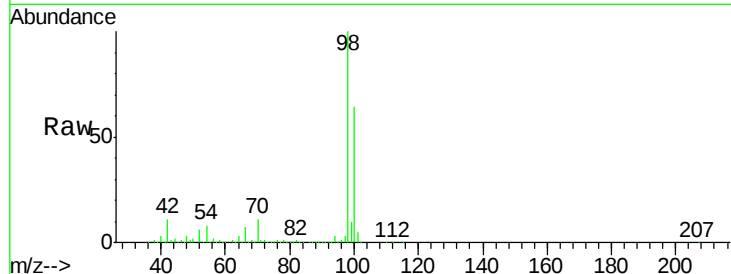




#50
Toluene-d8
Concen: 44.26 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049996.D
Acq: 21 Jul 2018 7:50

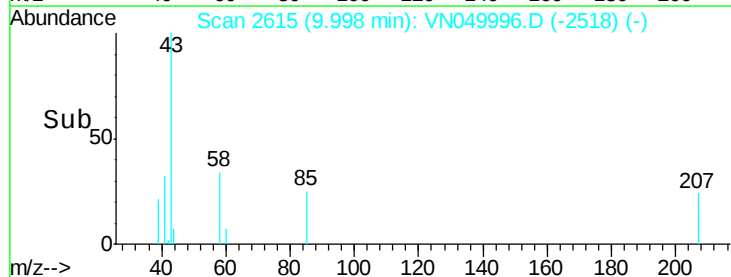
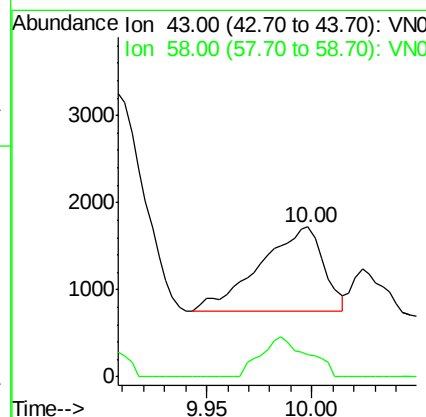
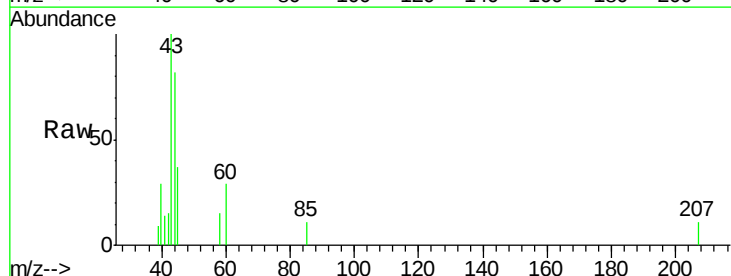
Instrument :
MSVOA_N
ClientSampled :
TP-10

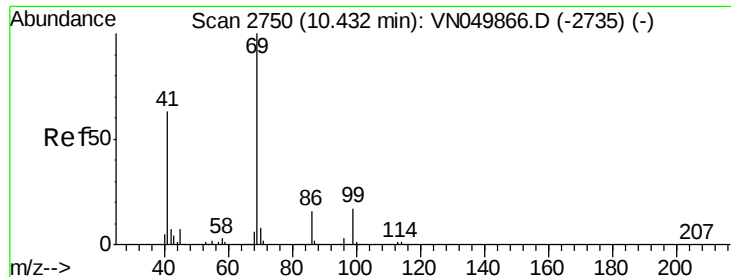
Tot Ion: 98 Resp: 1308270
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.29 ug/l
RT: 10.00 min Scan# 2615
Delta R.T. 0.01 min
Lab File: VN049996.D
Acq: 21 Jul 2018 7:50

Tgt Ion: 43 Resp: 2059
Ion Ratio Lower Upper
43 100
58 34.2 31.8 47.8





#56

Ethyl methacrylate

Concen: 2.16 ug/l

RT: 10.29 min Scan# 2705

Delta R.T. -0.14 min

Lab File: VN049996.D

Acq: 21 Jul 2018 7:50

Instrument :

MSVOA_N

ClientSampled :

TP-10

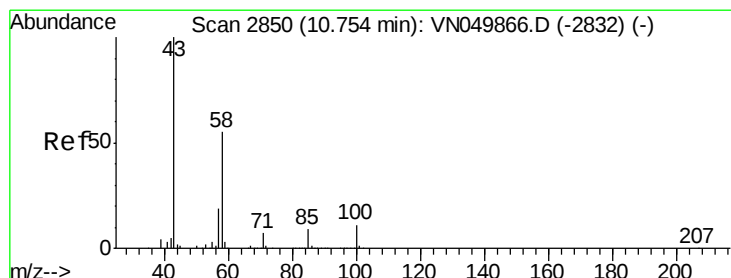
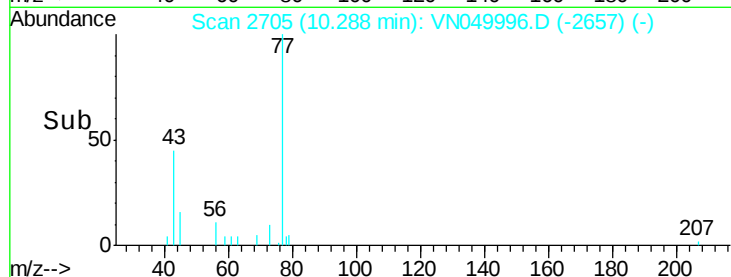
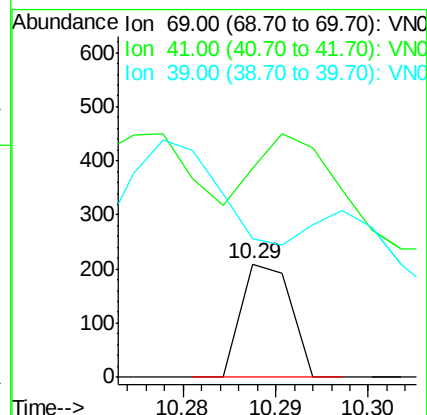
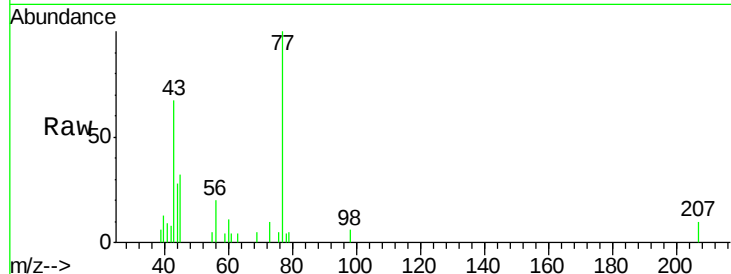
Tot Ion: 69 Resp: 77

Ion Ratio Lower Upper

69 100

41 529.9 51.6 77.4#

39 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 3.50 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049996.D

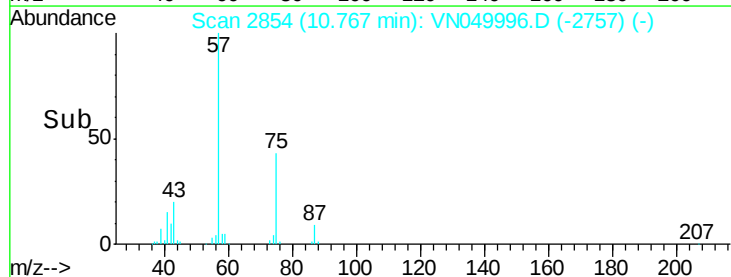
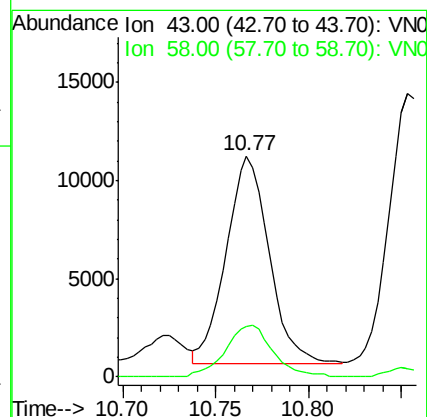
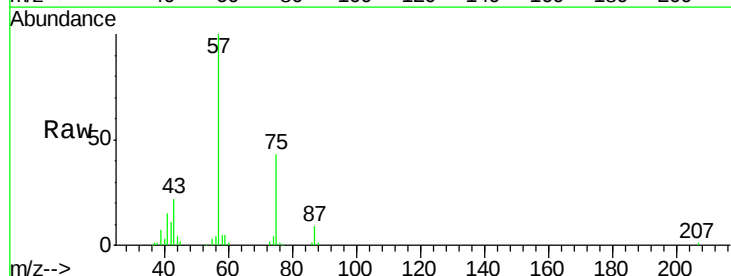
Acq: 21 Jul 2018 7:50

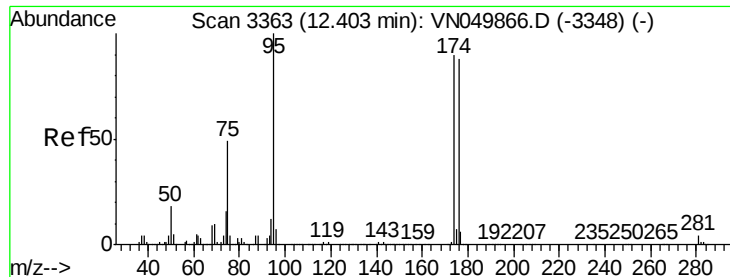
Tgt Ion: 43 Resp: 16947

Ion Ratio Lower Upper

43 100

58 27.7 27.8 83.4#

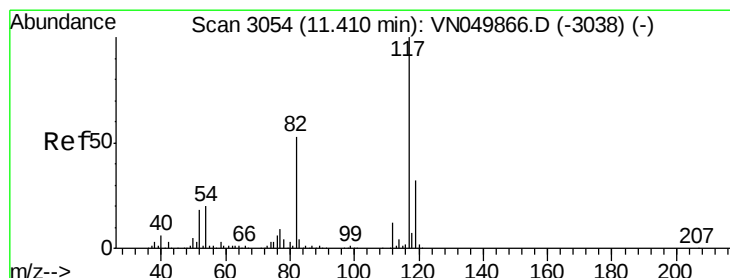
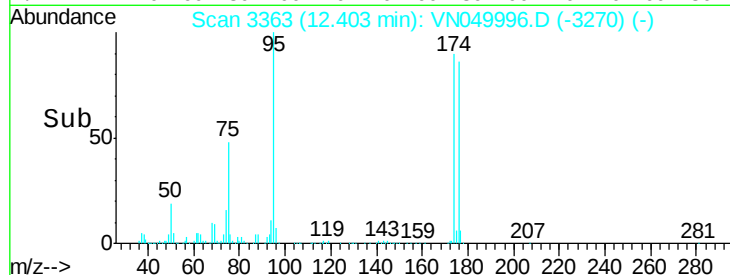
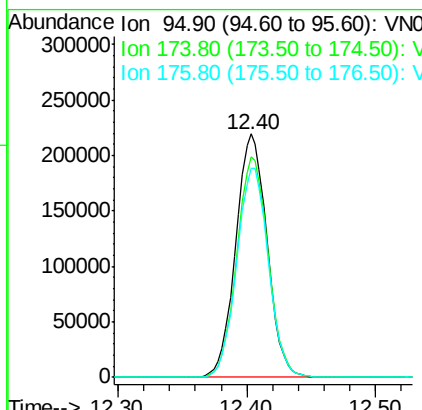
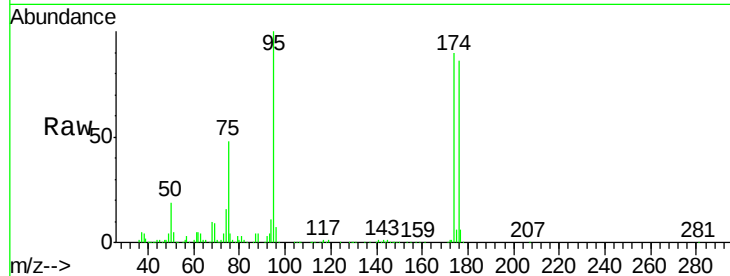




#62
4-Bromofluorobenzene
Concen: 36.23 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN049996.D
Acq: 21 Jul 2018 7:50

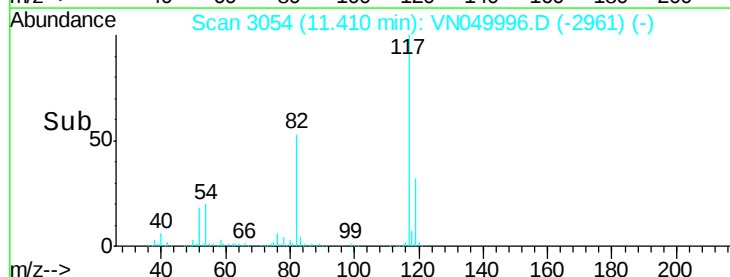
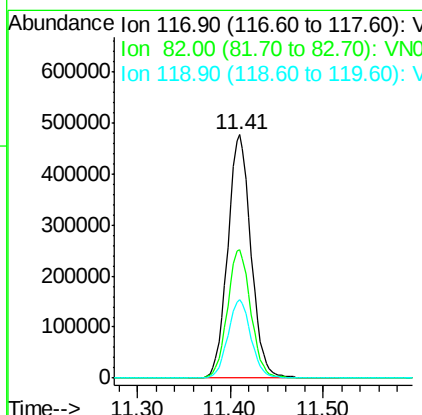
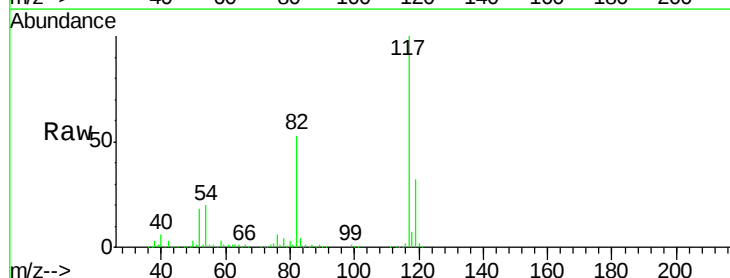
Instrument :
MSVOA_N
ClientSampleId :
TP-10

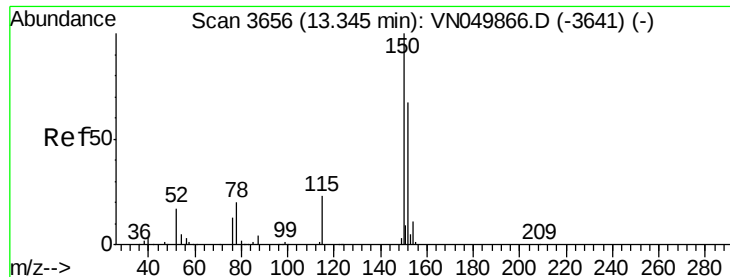
Tot Ion: 95 Resp: 368809
Ion Ratio Lower Upper
95 100
174 91.3 0.0 179.6
176 87.2 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049996.D
Acq: 21 Jul 2018 7:50

Tgt Ion: 117 Resp: 827595
Ion Ratio Lower Upper
117 100
82 52.8 41.9 62.9
119 32.4 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: VN049996.D

Acq: 21 Jul 2018 7:50

Instrument :

MSVOA_N

ClientSampleId :

TP-10

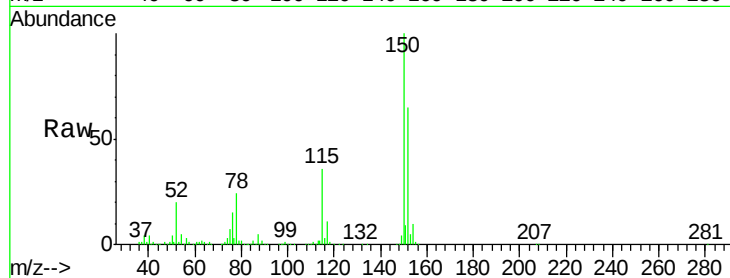
Tot Ion:152 Resp: 311889

Ion Ratio Lower Upper

152 100

115 56.9 28.1 84.2

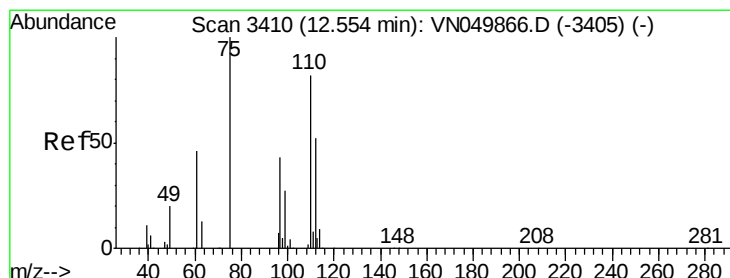
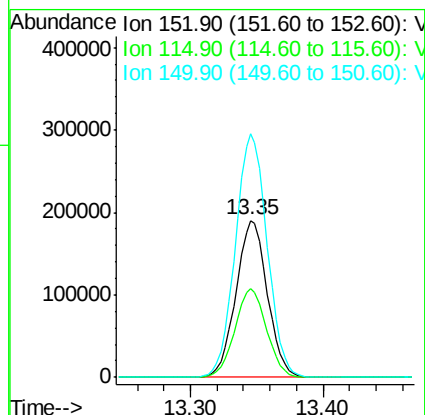
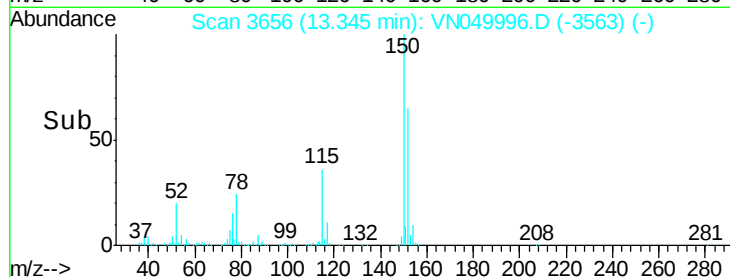
150 156.9 0.0 347.6



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



#76

1,2,3-Trichloropropane

Concen: 30.87 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049996.D

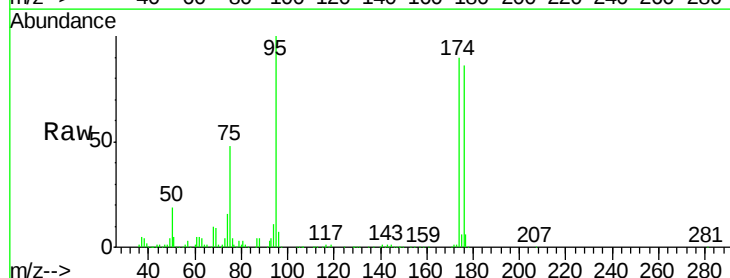
Acq: 21 Jul 2018 7:50

Tgt Ion: 75 Resp: 180592

Ion Ratio Lower Upper

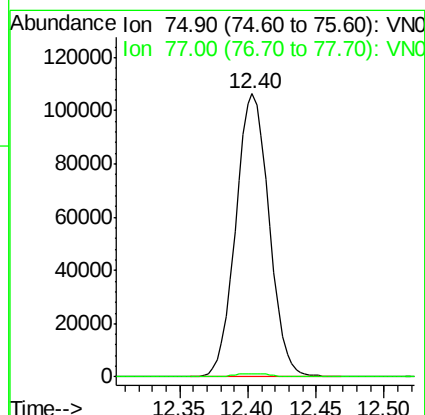
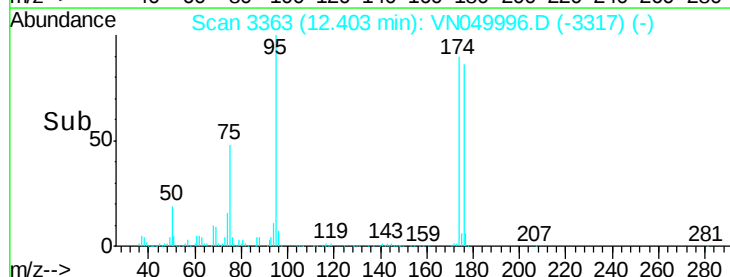
75 100

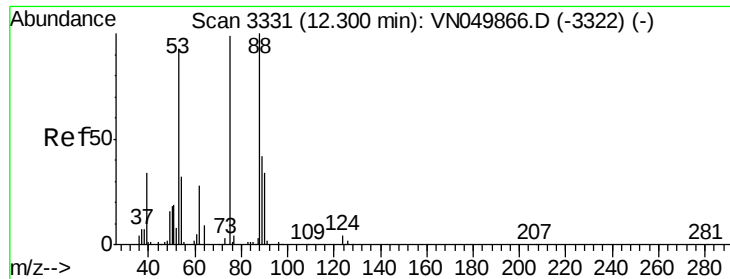
77 1.3 0.0 0.0#



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: 96.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049996.D

Acq: 21 Jul 2018 7:50

Instrument :

MSVOA_N

ClientSampled :

TP-10

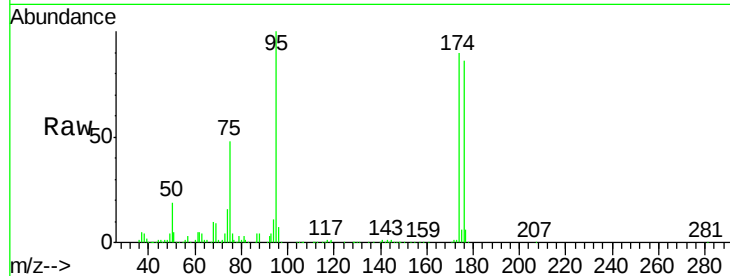
Tot Ion: 75 Resp: 180592

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

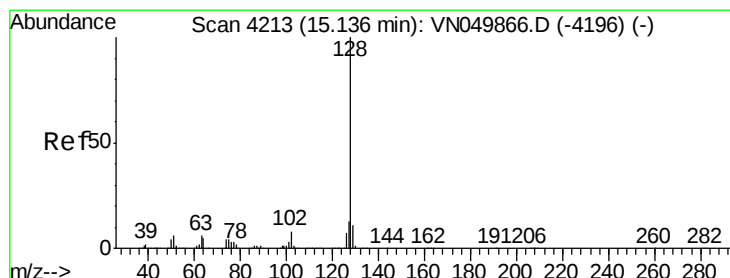
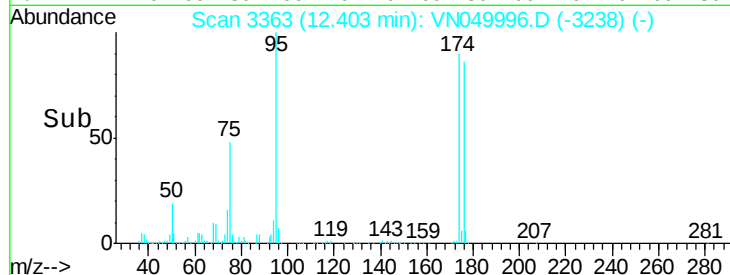
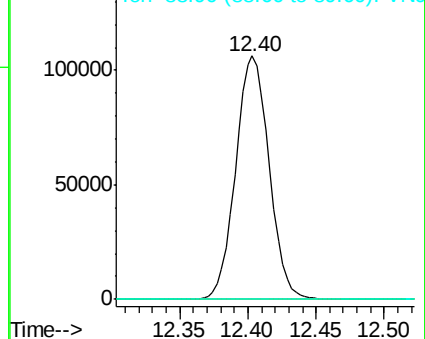
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049996.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049996.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049996.D (-3363) (-)



#95

Naphthalene

Concen: 7.67 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049996.D

Acq: 21 Jul 2018 7:50

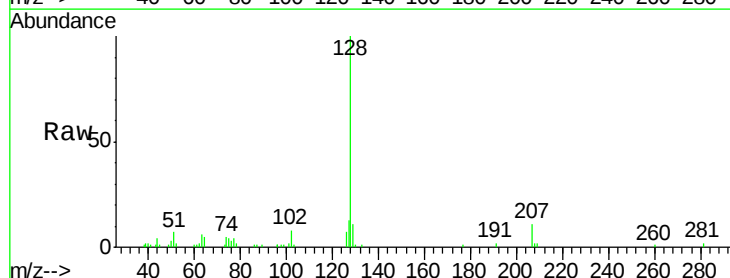
Tgt Ion: 128 Resp: 51573

Ion Ratio Lower Upper

128 100

127 14.1 10.4 15.6

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VN049996.D (-4213) (-)

Ion 127.00 (126.70 to 127.70): VN049996.D (-4213) (-)

Ion 129.00 (128.70 to 129.70): VN049996.D (-4213) (-)

