

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049888.D
 Acq On : 18 Jul 2018 22:49
 Operator : MD\SY
 Sample : VN0718WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 06:05:12 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	575148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	943989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	775557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297537	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	412839	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
35) Dibromofluoromethane	7.59	113	364154	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
50) Toluene-d8	10.09	98	1255688	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	
62) 4-Bromofluorobenzene	12.40	95	342658	34.46	ug/l	0.00
Spiked Amount			Recovery	=	68.92%	

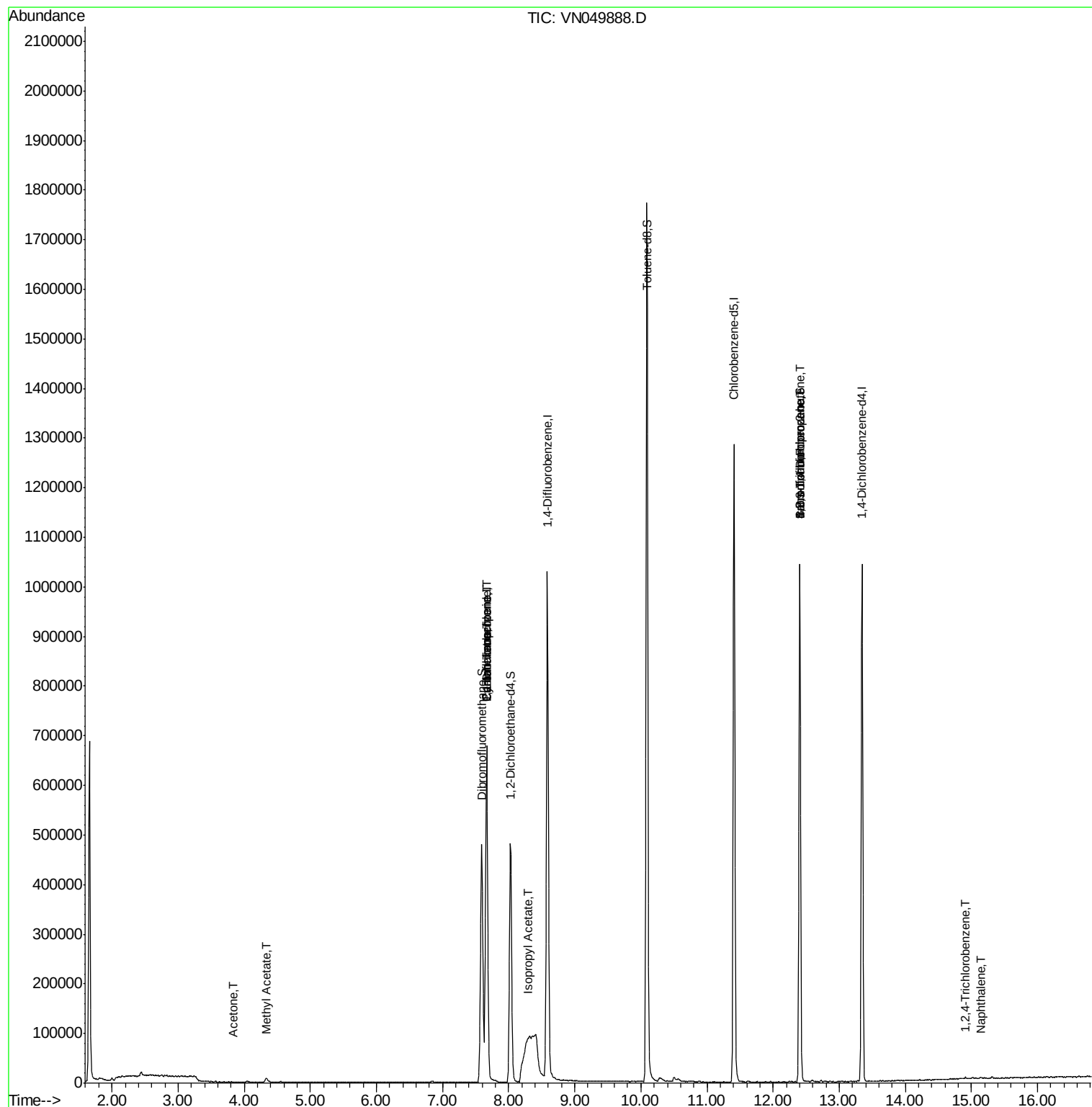
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	231	Below Cal	#	44
5) Bromomethane	2.57	94	1116	Below Cal	#	79
16) Acetone	3.84	43	616	0.30	ug/l #	42
18) Methyl Acetate	4.33	43	14161	1.40	ug/l #	81
31) Cyclohexane	7.67	56	11104	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40029	3.81	ug/l #	48
38) Carbon Tetrachloride	7.67	117	52706	4.69	ug/l #	16
43) Isopropyl Acetate	8.29	43	146895	11.67	ug/l #	62
71) Bromoform	12.40	173	3231	0.60	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	168366	30.17	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	168366	94.33	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	848	3.61	ug/l #	87
95) Naphthalene	15.14	128	2335	4.64	ug/l #	73

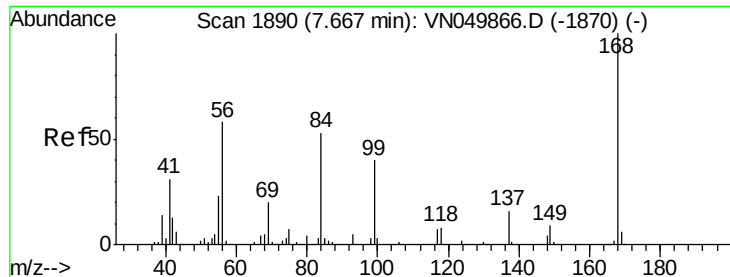
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049888.D

Acq: 18 Jul 2018 22:49

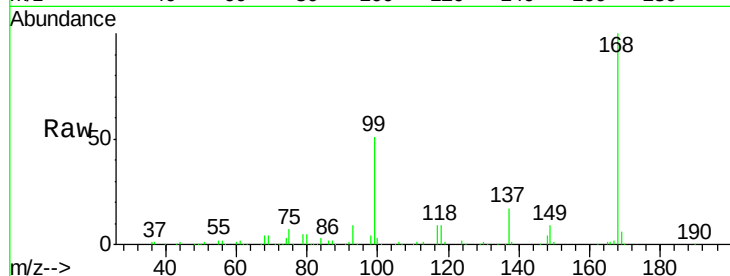
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 575148

Ion Ratio Lower Upper

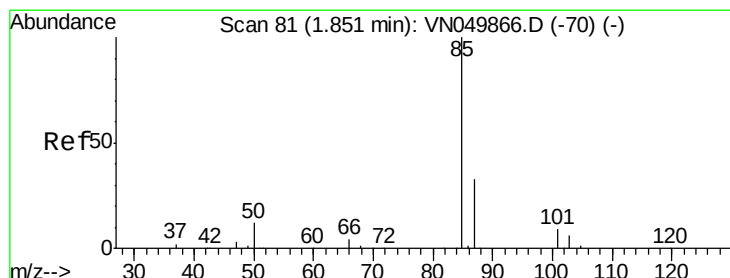
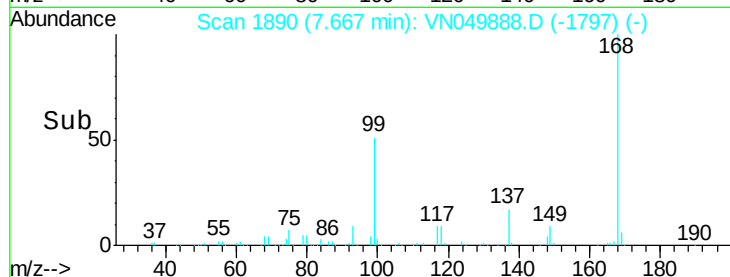
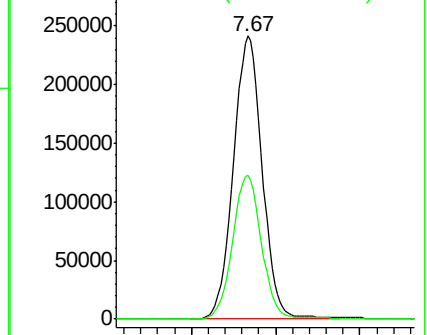
168 100

99 50.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049888.D

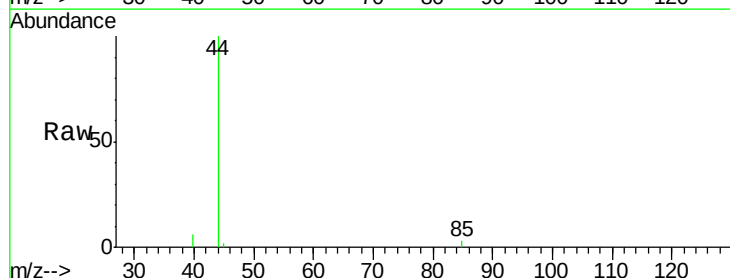
Acq: 18 Jul 2018 22:49

Tgt Ion: 85 Resp: 231

Ion Ratio Lower Upper

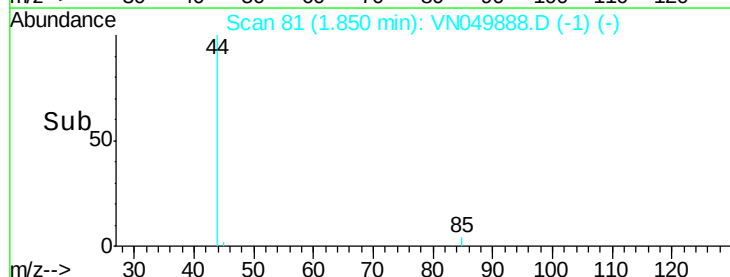
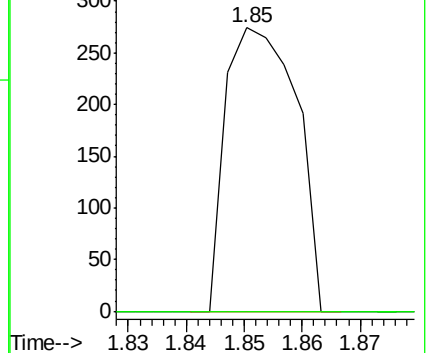
85 100

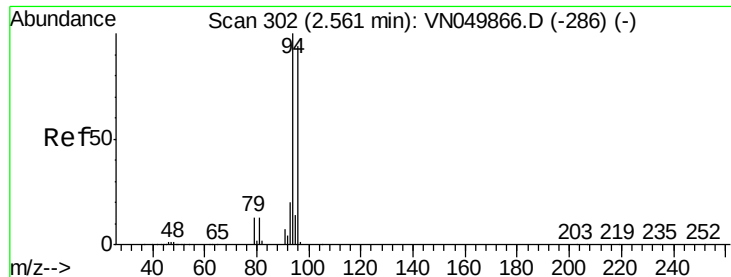
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049888.D

Acq: 18 Jul 2018 22:49

Instrument :

MSVOA_N

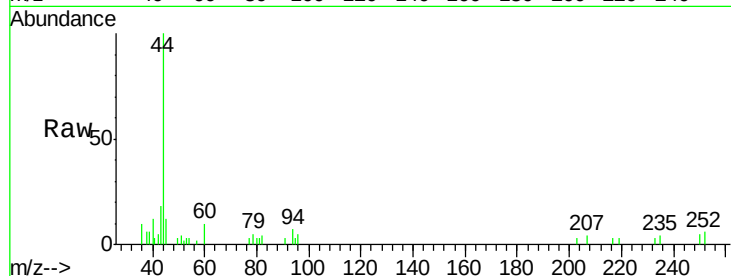
ClientSampled :

Tot Ion: 94 Resp: 1116

Ion Ratio Lower Upper

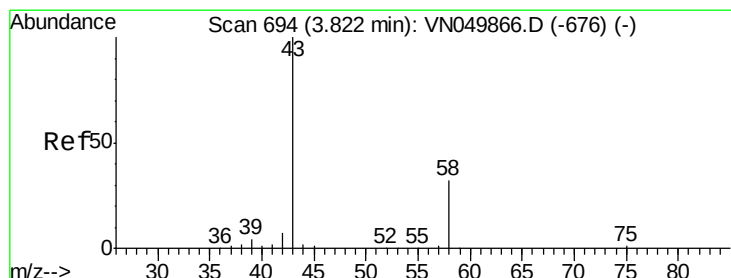
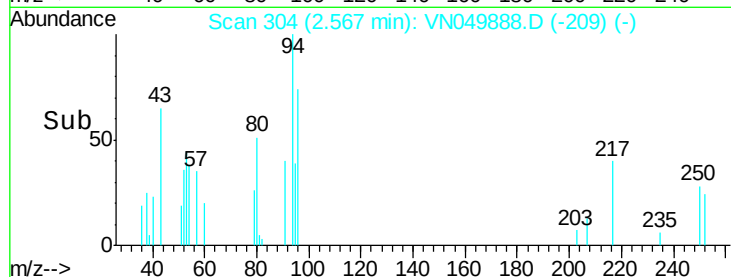
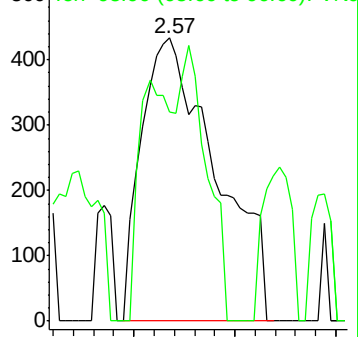
94 100

96 73.9 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 0.30 ug/l

RT: 3.84 min Scan# 699

Delta R.T. 0.02 min

Lab File: VN049888.D

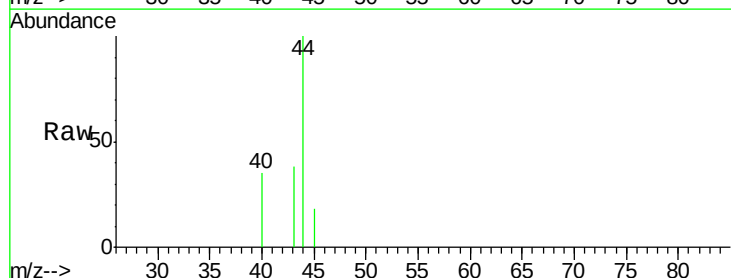
Acq: 18 Jul 2018 22:49

Tgt Ion: 43 Resp: 616

Ion Ratio Lower Upper

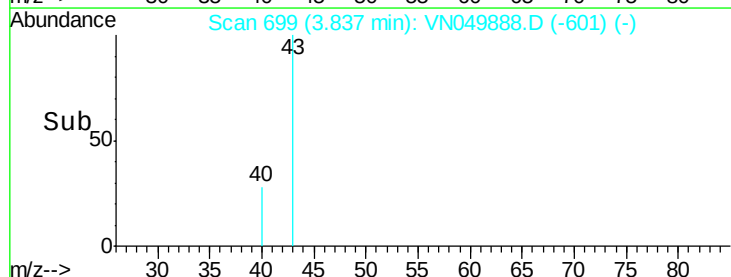
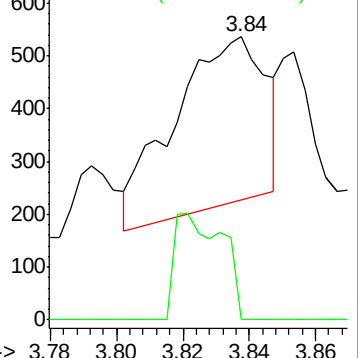
43 100

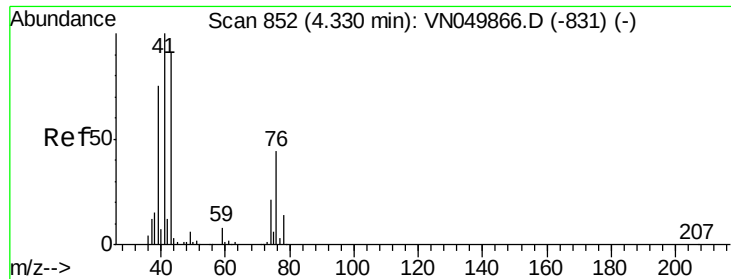
58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

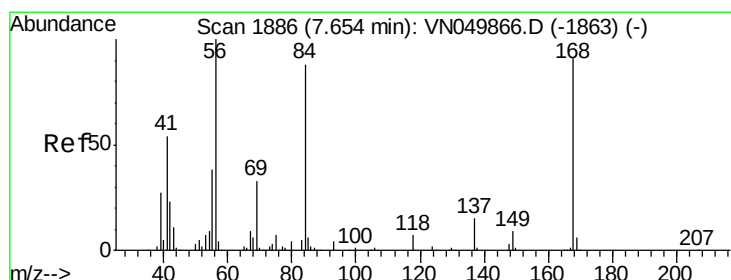
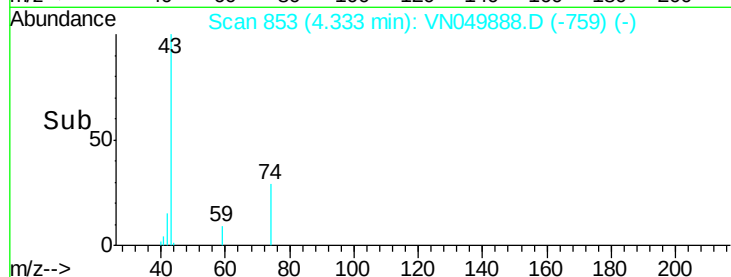
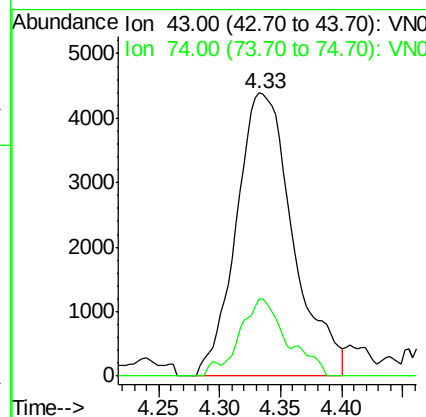
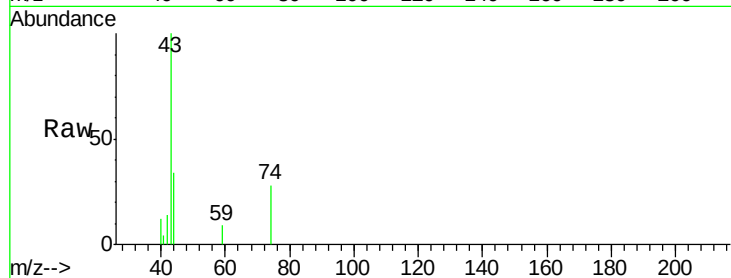




#18
Methvl Acetate
Concen: 1.40 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049888.D
Acq: 18 Jul 2018 22:49

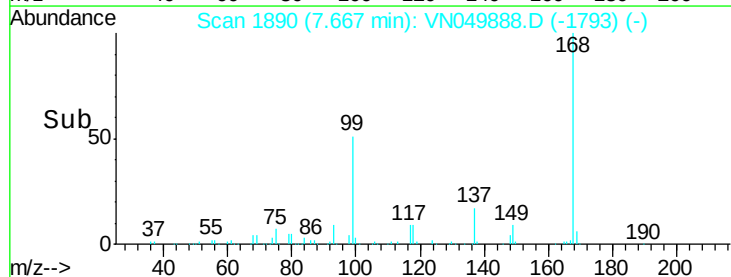
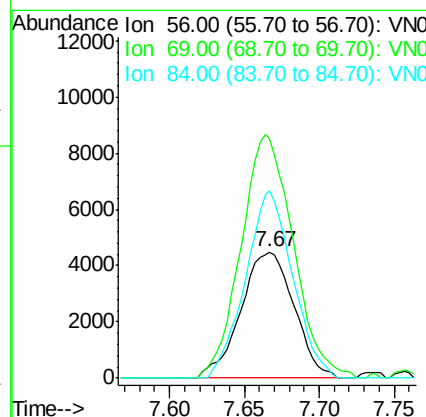
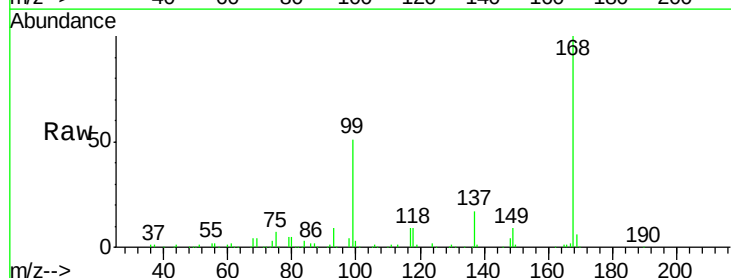
Instrument :
MSVOA_N
ClientSampleId :

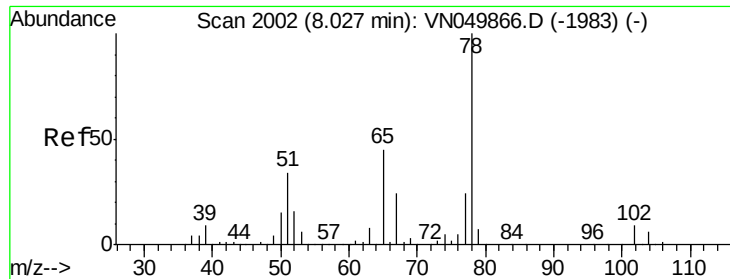
Tot Ion: 43 Resp: 14161
Ion Ratio Lower Upper
43 100
74 15.2 19.8 29.8#



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049888.D
Acq: 18 Jul 2018 22:49

Tgt Ion: 56 Resp: 11104
Ion Ratio Lower Upper
56 100
69 189.6 26.6 40.0#
84 148.5 69.0 103.6#

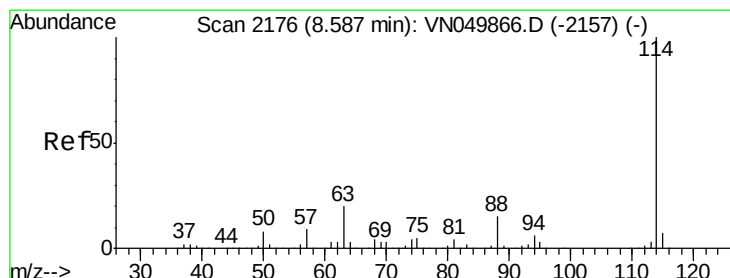
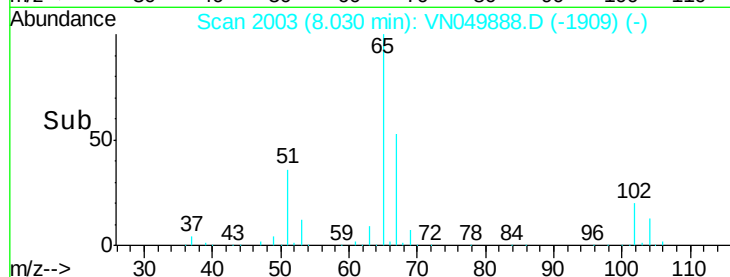
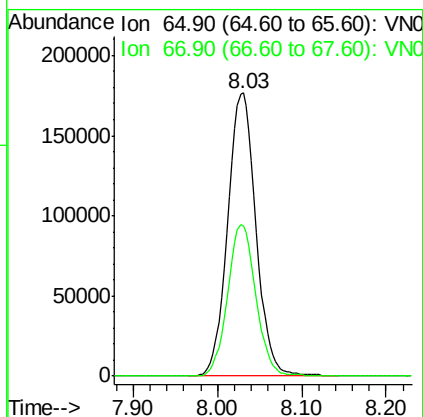
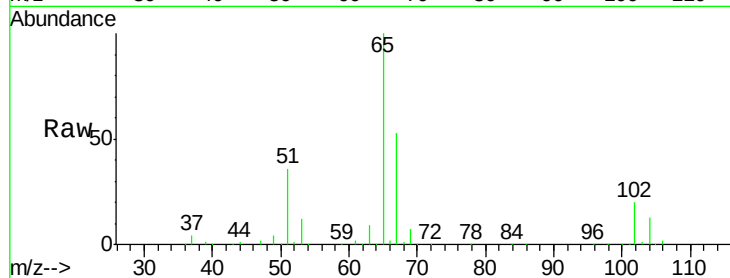




#33
 1,2-Dichloroethane-d4
 Concen: 52.22 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049888.D
 Acq: 18 Jul 2018 22:49

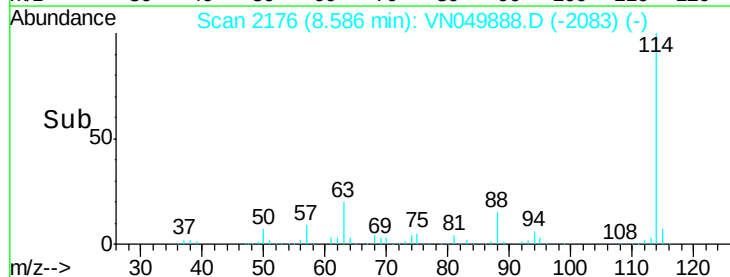
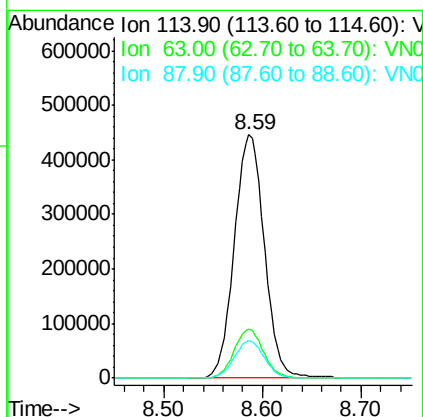
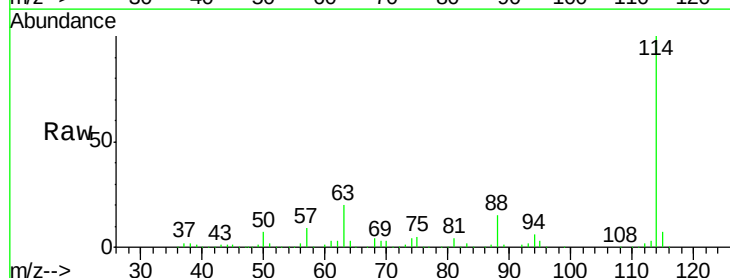
Instrument :
 MSVOA_N
 ClientSampleId :

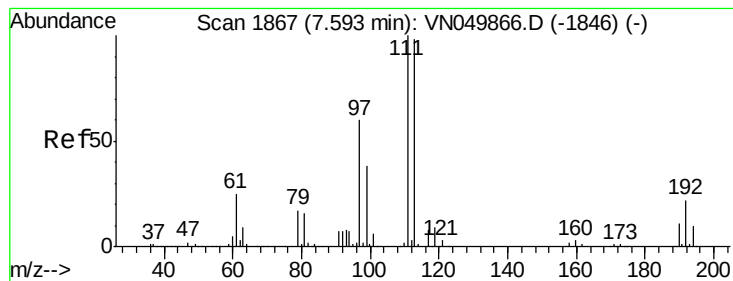
Tot Ion: 65 Resp: 412839
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049888.D
 Acq: 18 Jul 2018 22:49

Tgt Ion: 114 Resp: 943989
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 45.95 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049888.D

Acq: 18 Jul 2018 22:49

Instrument :

MSVOA_N

ClientSampleId :

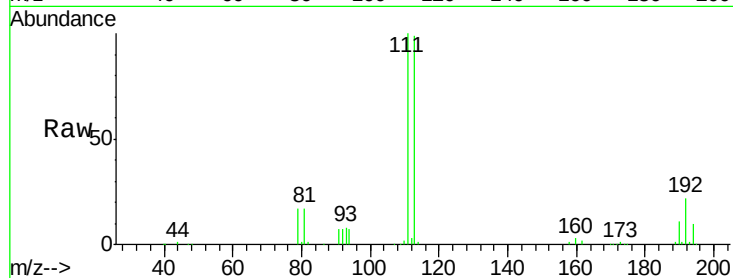
Tot Ion:113 Resp: 364154

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

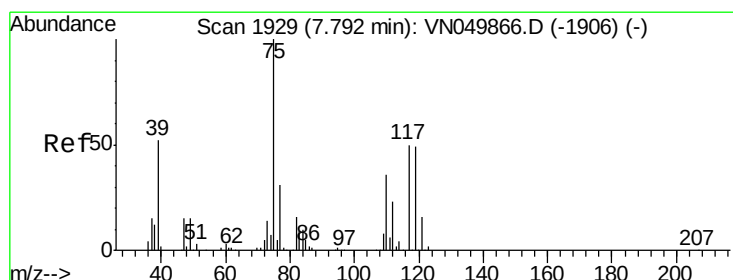
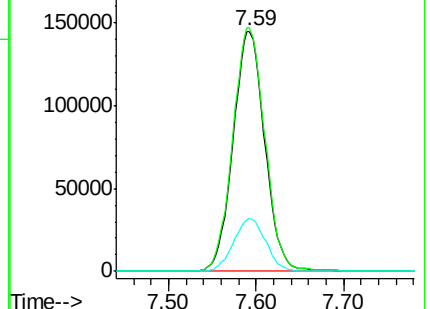
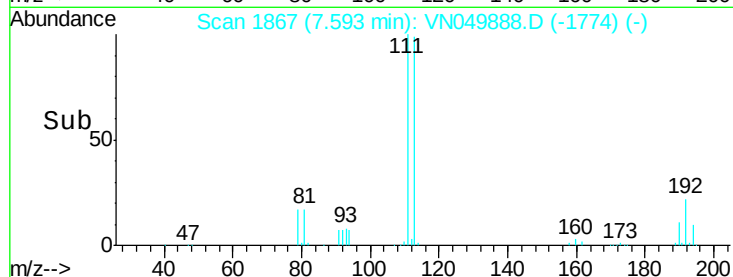
192 22.5 17.8 26.6



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: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049888.D

Acq: 18 Jul 2018 22:49

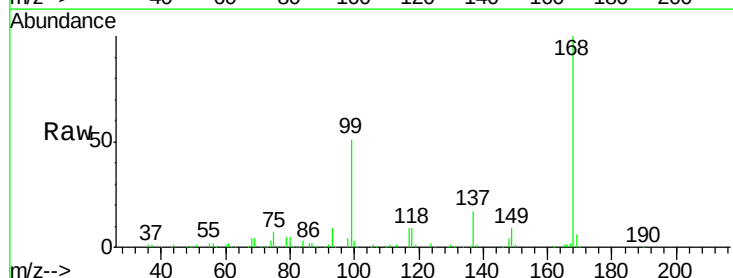
Tgt Ion: 75 Resp: 40029

Ion Ratio Lower Upper

75 100

110 7.7 18.1 54.4#

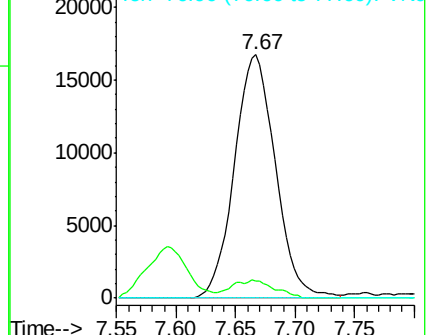
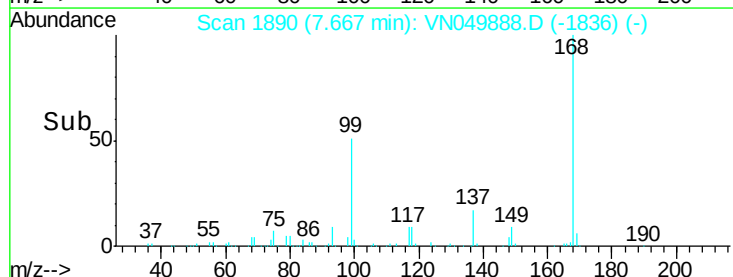
77 0.0 24.9 37.3#

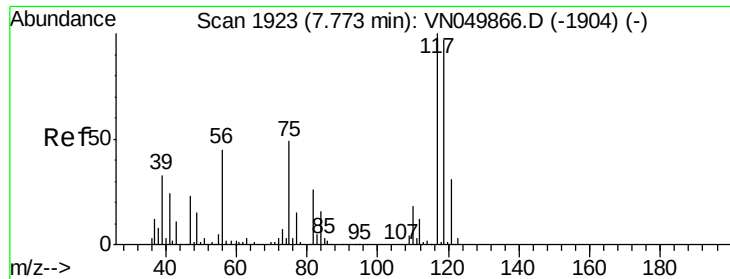


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.69 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049888.D

Acq: 18 Jul 2018 22:49

Instrument :
MSVOA_N
ClientSampled :

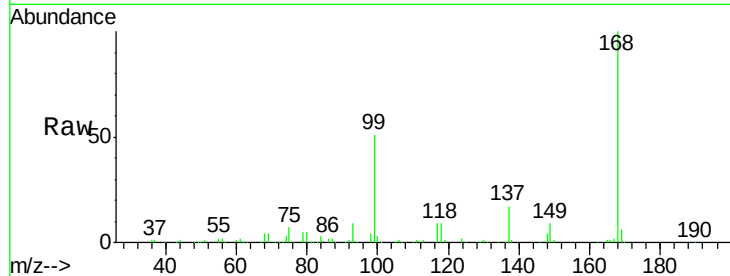
Tot Ion:117 Resp: 52706

Ion Ratio Lower Upper

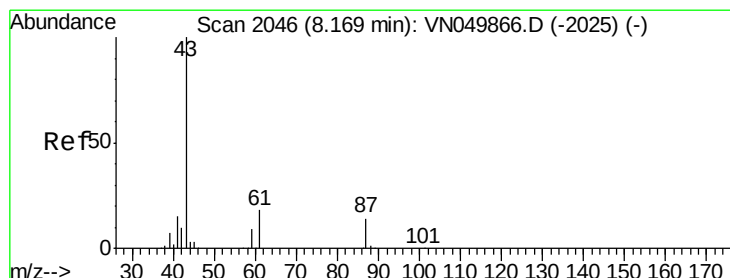
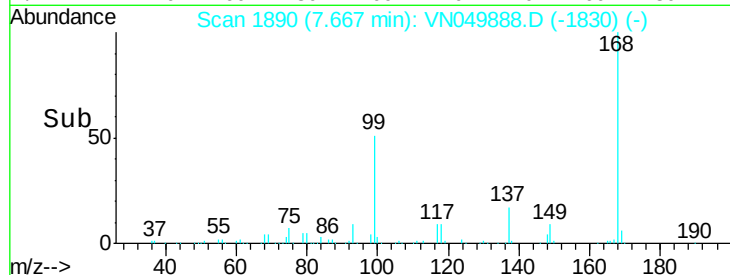
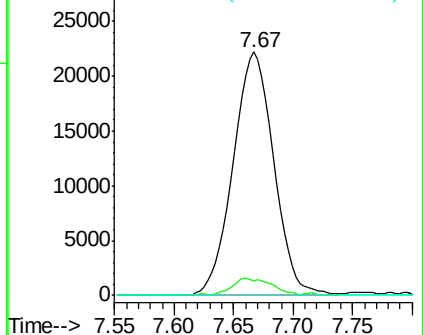
117 100

119 6.1 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: 11.67 ug/l

RT: 8.29 min Scan# 2084

Delta R.T. 0.12 min

Lab File: VN049888.D

Acq: 18 Jul 2018 22:49

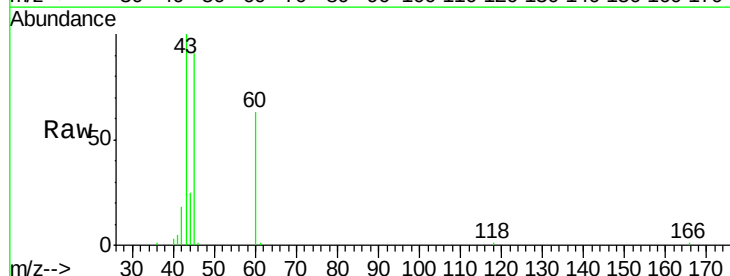
Tgt Ion: 43 Resp: 146895

Ion Ratio Lower Upper

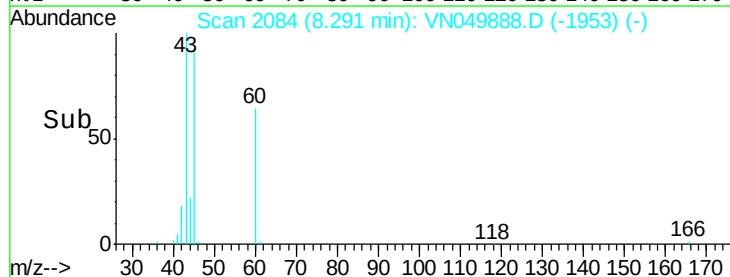
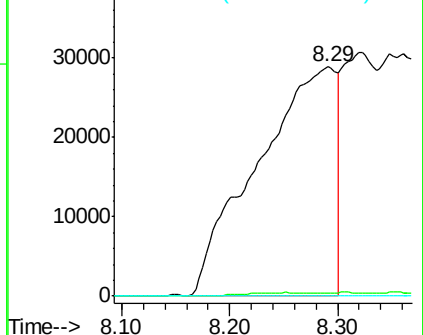
43 100

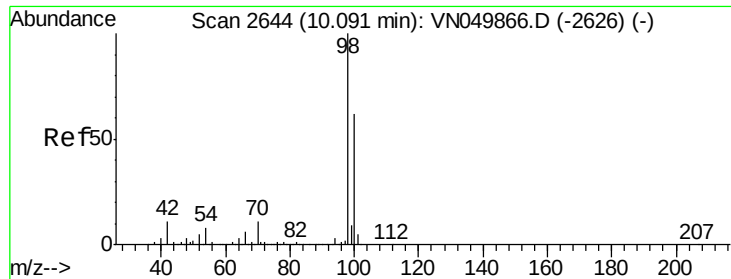
61 0.0 14.9 22.3#

87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

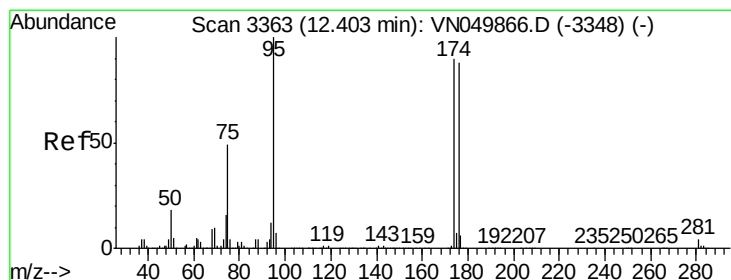
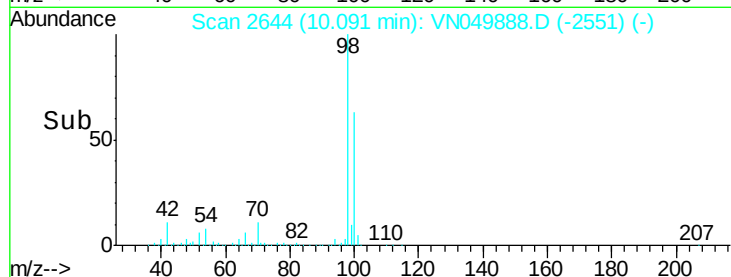
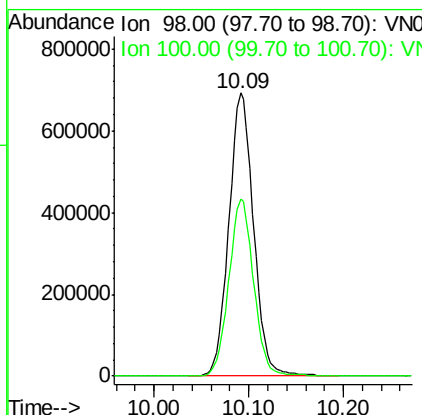
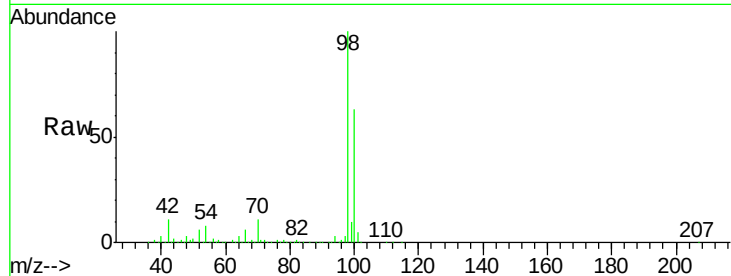




#50
Toluene-d8
Concen: 43.49 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049888.D
Acq: 18 Jul 2018 22:49

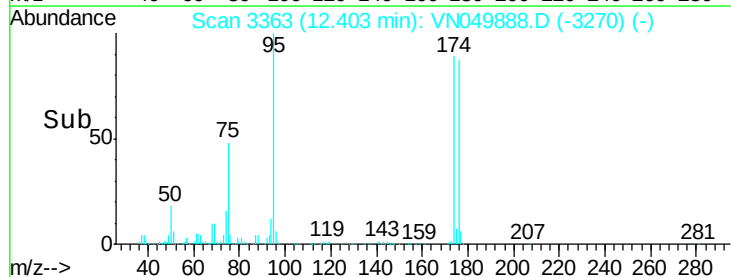
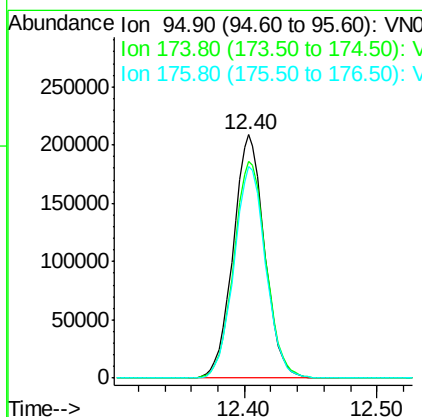
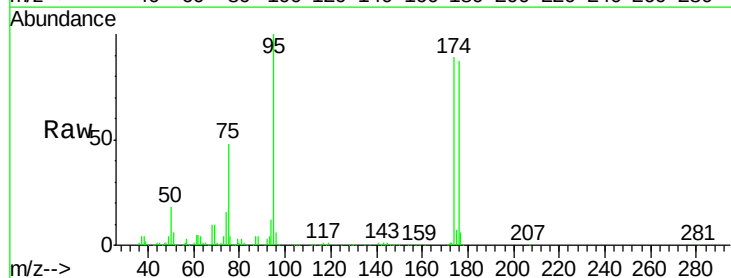
Instrument :
MSVOA_N
ClientSampleId :

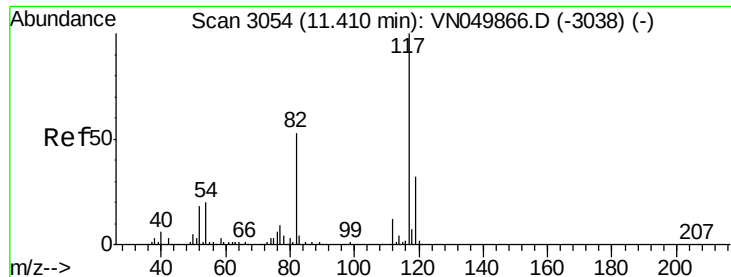
Tot Ion: 98 Resp: 1255688
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 34.46 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN049888.D
Acq: 18 Jul 2018 22:49

Tgt Ion: 95 Resp: 342658
Ion Ratio Lower Upper
95 100
174 92.0 0.0 179.6
176 88.0 0.0 174.0

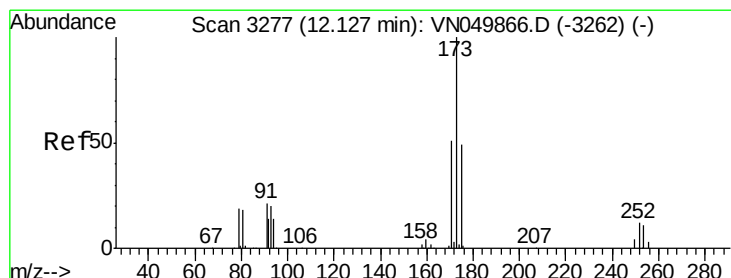
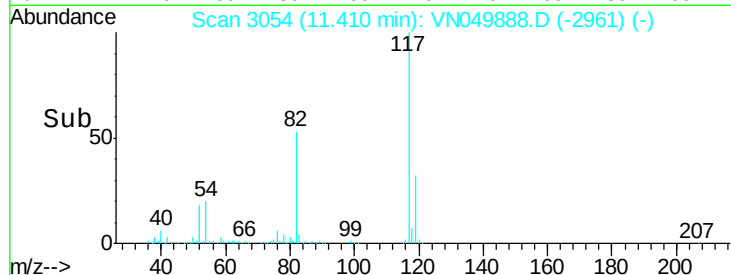
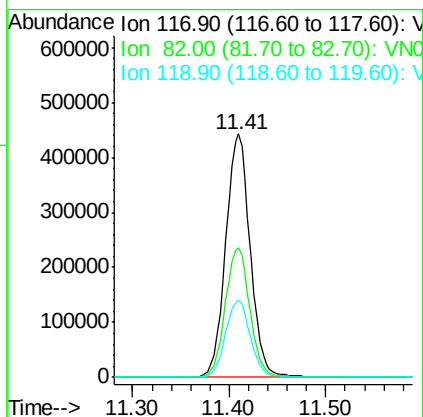
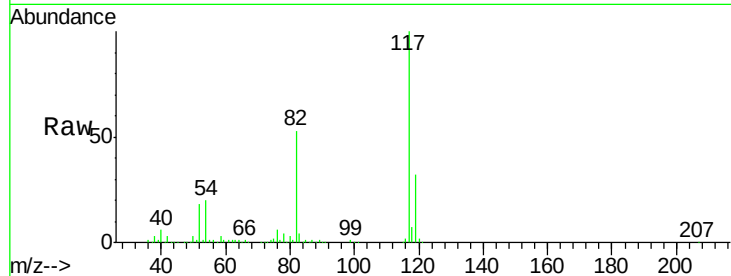




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049888.D
Acq: 18 Jul 2018 22:49

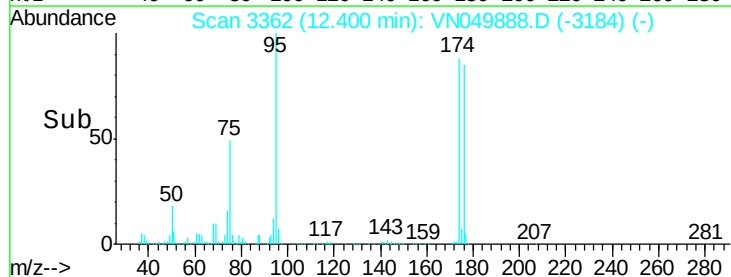
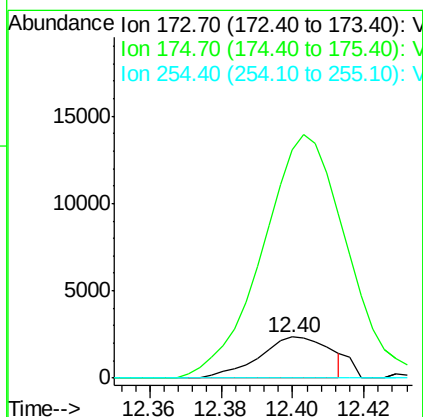
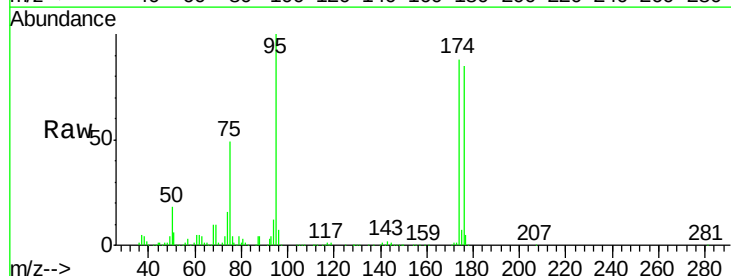
Instrument :
MSVOA_N
ClientSampleId :

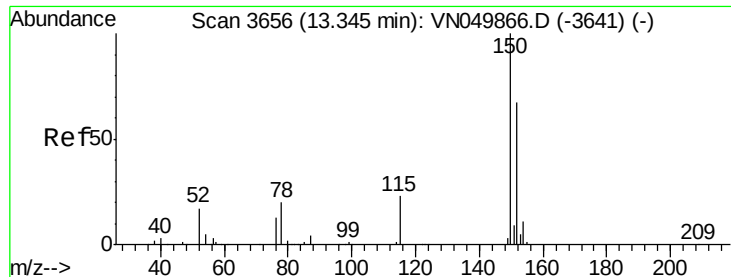
Tot Ion:117 Resp: 775557
Ion Ratio Lower Upper
117 100
82 53.1 41.9 62.9
119 31.8 25.4 38.2



#71
Bromoform
Concen: 0.60 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049888.D
Acq: 18 Jul 2018 22:49

Tgt Ion:173 Resp: 3231
Ion Ratio Lower Upper
173 100
175 590.6 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049888.D

Acq: 18 Jul 2018 22:49

Instrument :

MSVOA_N

ClientSampleId :

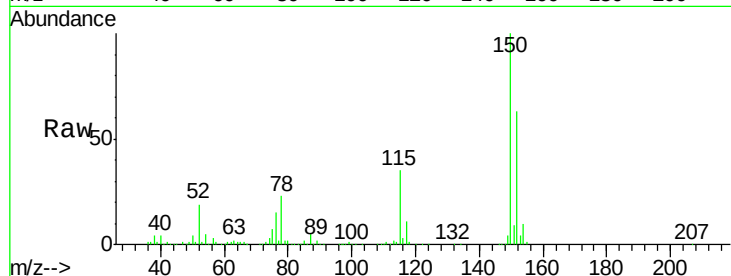
Tot Ion:152 Resp: 297537

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.2

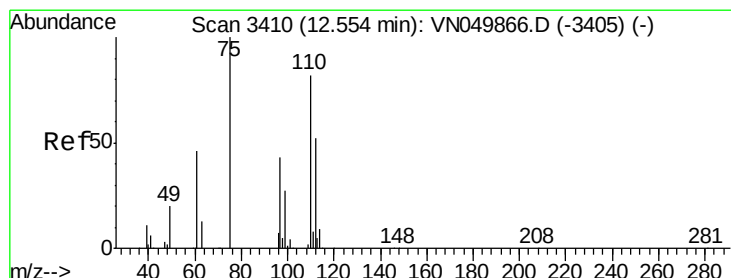
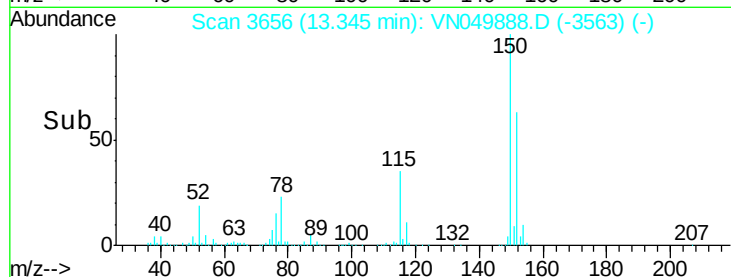
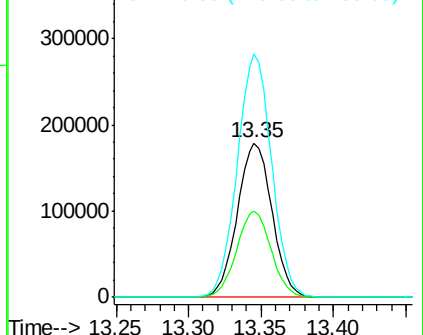
150 156.4 0.0 347.6



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: 30.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049888.D

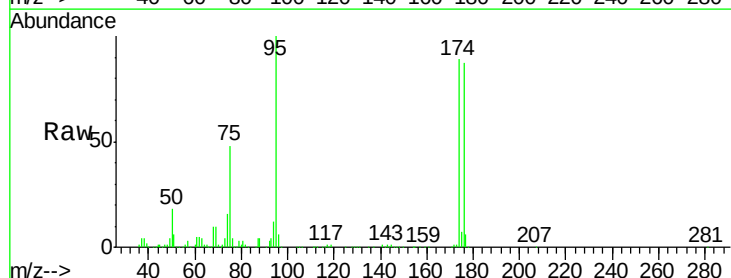
Acq: 18 Jul 2018 22:49

Tgt Ion: 75 Resp: 168366

Ion Ratio Lower Upper

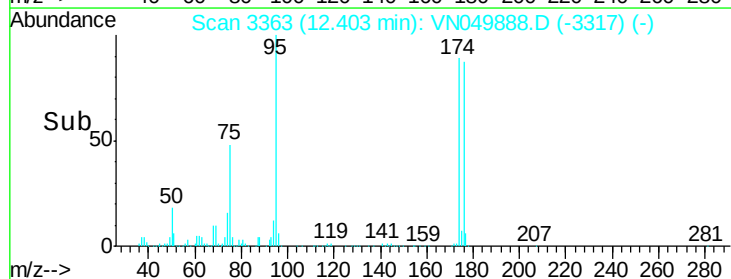
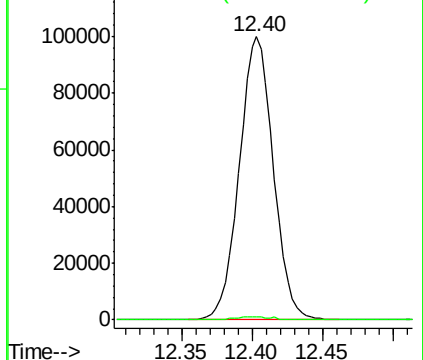
75 100

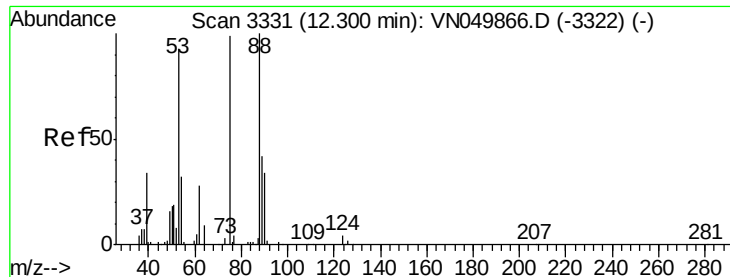
77 1.3 0.0 0.0#



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: 94.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049888.D

Acq: 18 Jul 2018 22:49

Instrument :

MSVOA_N

ClientSampled :

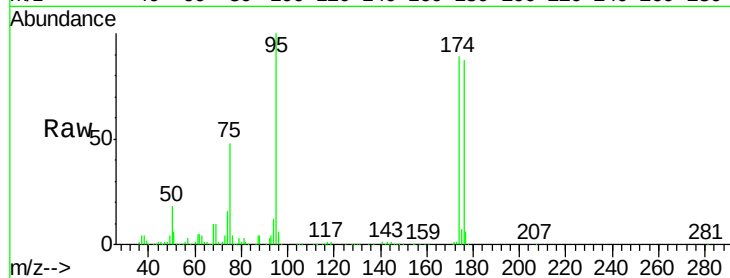
Tot Ion: 75 Resp: 168366

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

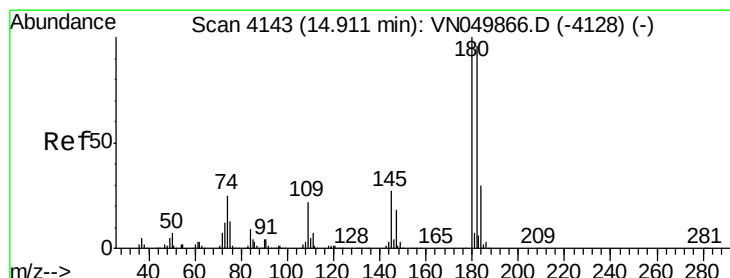
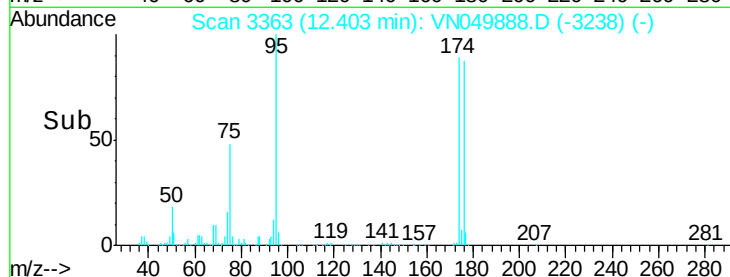
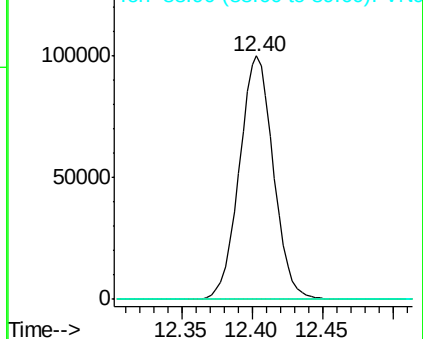
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 3.61 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049888.D

Acq: 18 Jul 2018 22:49

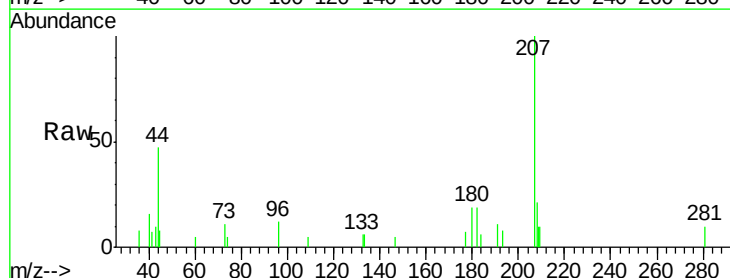
Tgt Ion:180 Resp: 848

Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.9

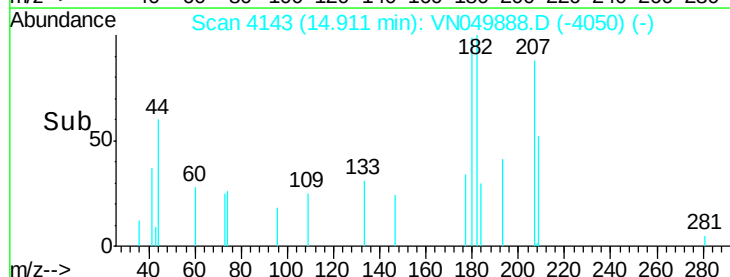
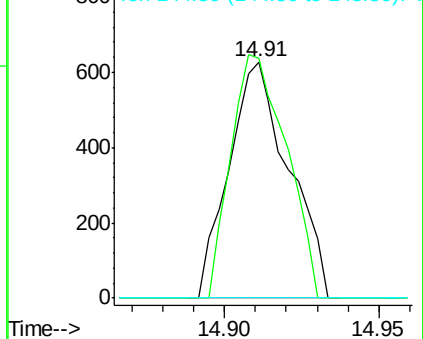
145 0.0 14.4 43.0#

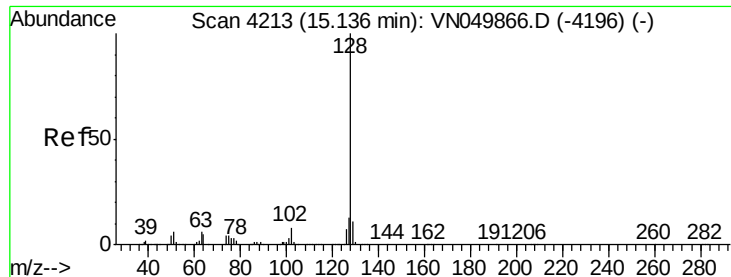


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

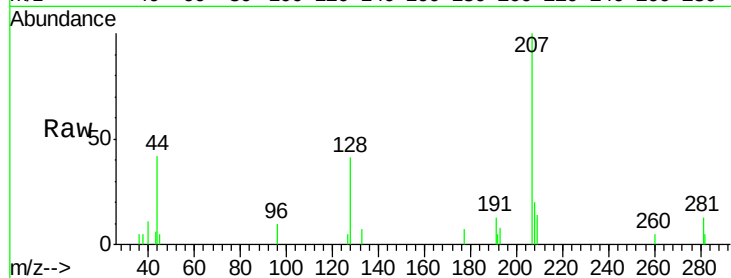




#95
Naphthalene
Concen: 4.64 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049888.D
Acq: 18 Jul 2018 22:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	2.7	10.4	15.6#
129	0.0	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

