

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049896.D
 Acq On : 19 Jul 2018 2:17
 Operator : MD\SY
 Sample : J3357-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 06:08:13 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	553149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	926019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	754316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277771	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	401736	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
35) Dibromofluoromethane	7.59	113	359671	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
50) Toluene-d8	10.09	98	1228297	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	
62) 4-Bromofluorobenzene	12.40	95	330713	33.90	ug/l	0.00
Spiked Amount			Recovery	=	67.80%	

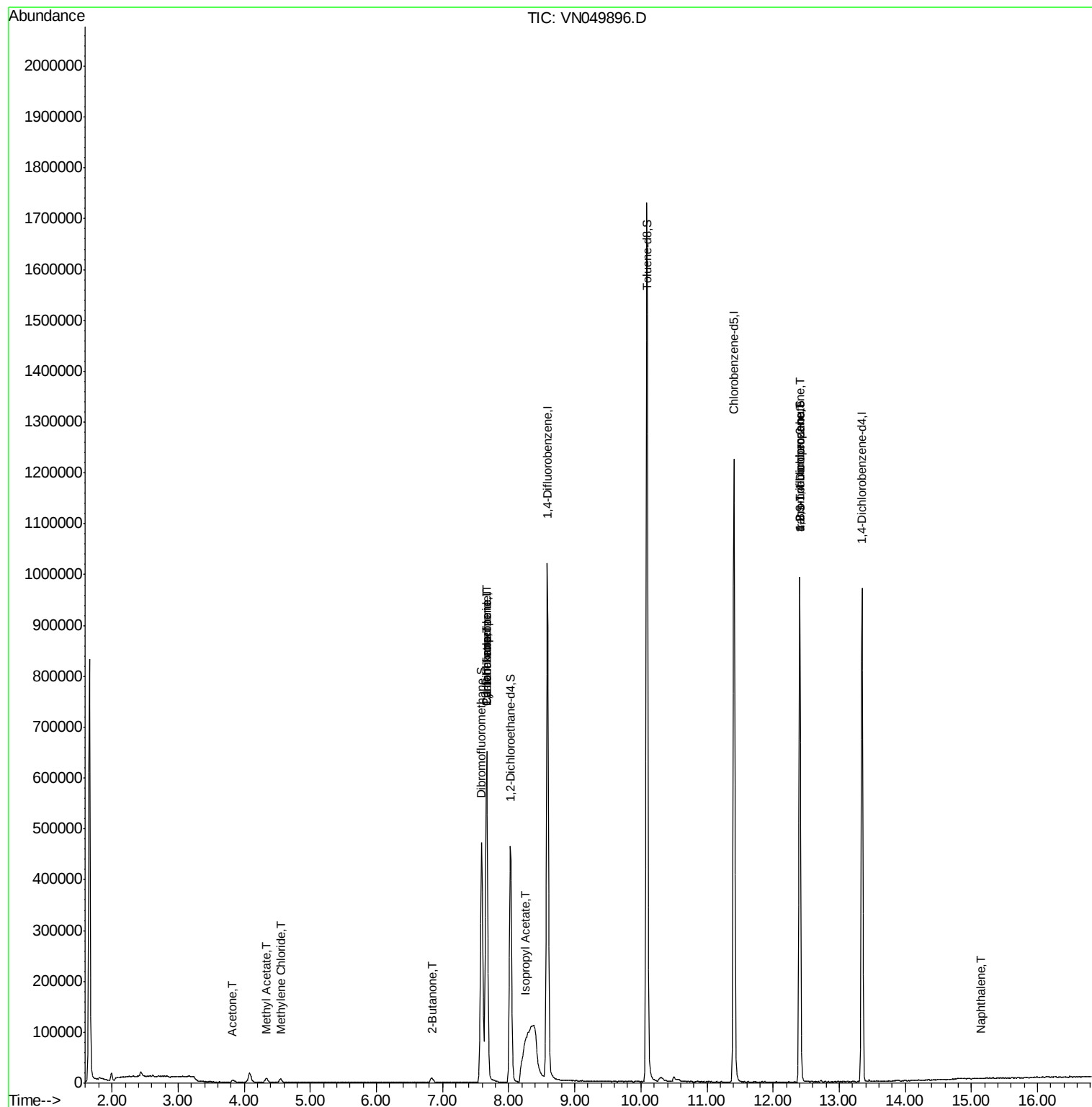
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	599	Below Cal		90
16) Acetone	3.82	43	7957	4.04	ug/l	94
18) Methyl Acetate	4.33	43	6547	0.24	ug/l	97
20) Methylene Chloride	4.55	84	5137	0.69	ug/l #	89
25) 2-Butanone	6.85	43	763	0.27	ug/l #	47
31) Cyclohexane	7.67	56	10804	1.07	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39926	3.88	ug/l #	48
38) Carbon Tetrachloride	7.66	117	50735	4.60	ug/l #	17
43) Isopropyl Acetate	8.25	43	85833	6.95	ug/l #	63
76) 1,2,3-Trichloropropane	12.40	75	161259	30.95	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	161259	96.77	ug/l #	13
95) Naphthalene	15.13	128	310	4.51	ug/l #	69

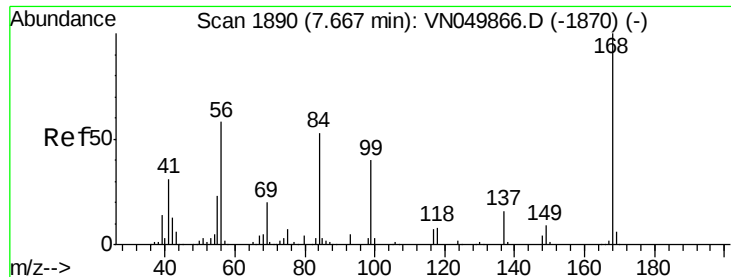
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049896.D

Acq: 19 Jul 2018 2:17

Instrument :

MSVOA_N

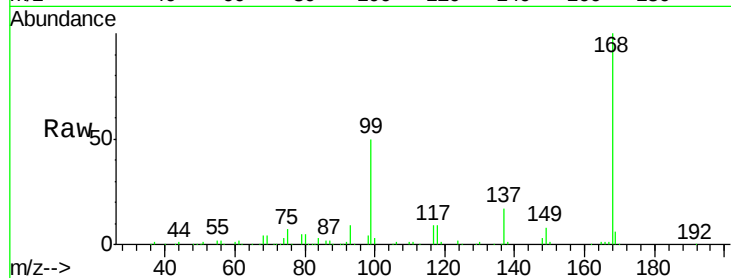
ClientSampleId :

Tot Ion:168 Resp: 553149

Ion Ratio Lower Upper

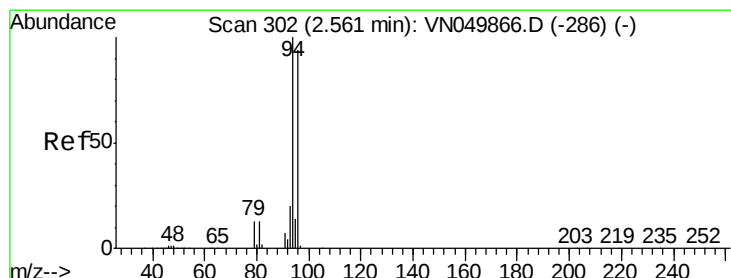
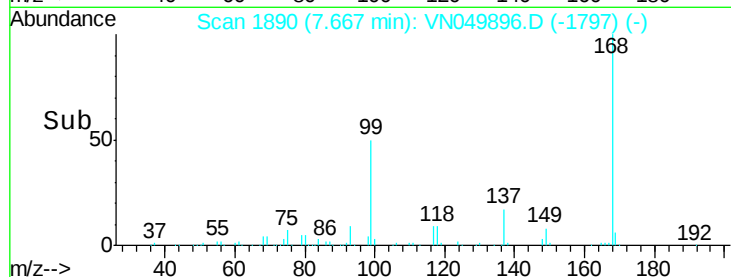
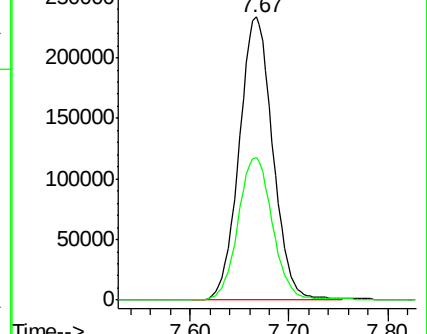
168 100

99 50.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049896.D

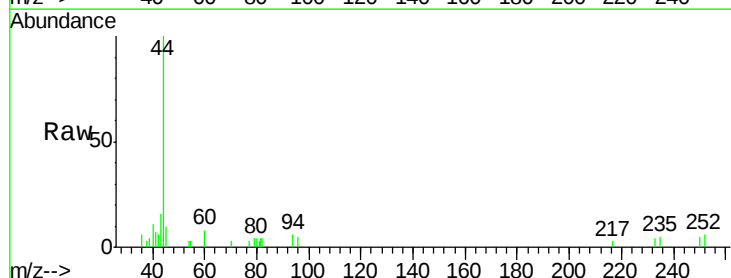
Acq: 19 Jul 2018 2:17

Tgt Ion: 94 Resp: 599

Ion Ratio Lower Upper

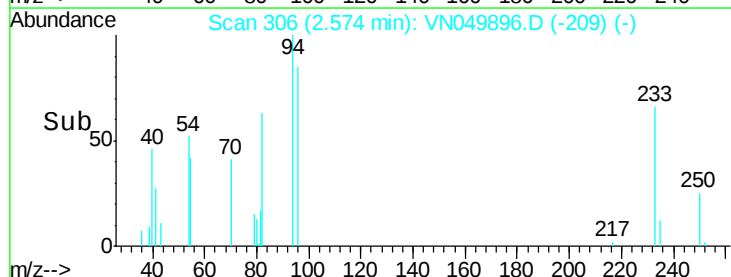
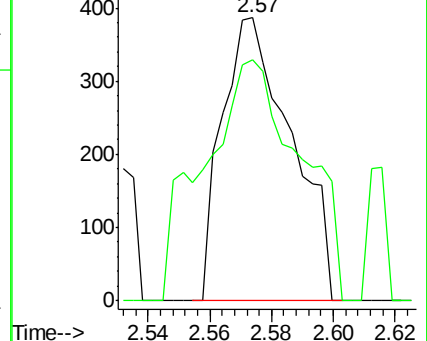
94 100

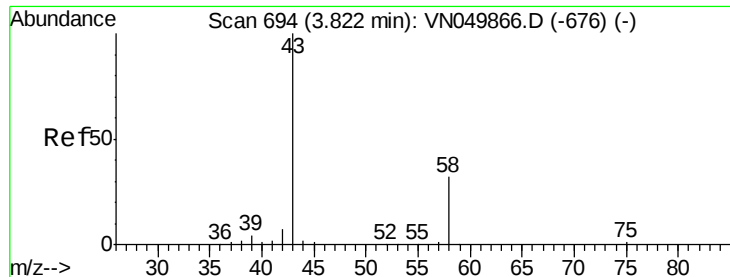
96 85.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#16

Acetone

Concen: 4.04 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049896.D

Acq: 19 Jul 2018 2:17

Instrument :

MSVOA_N

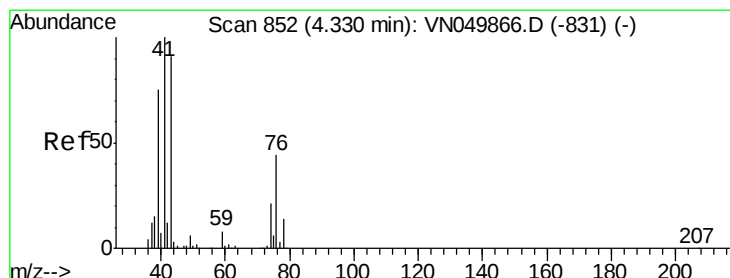
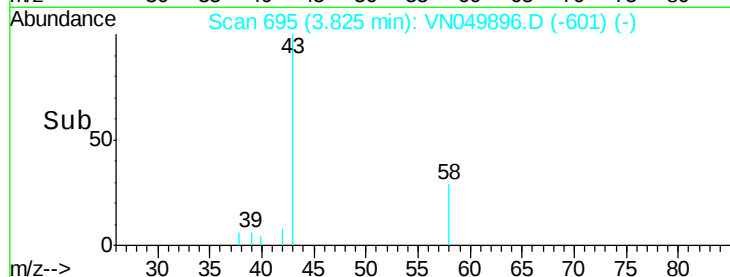
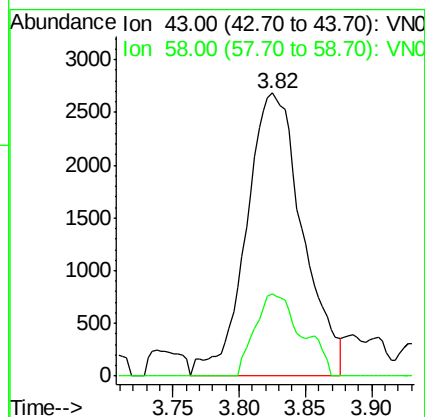
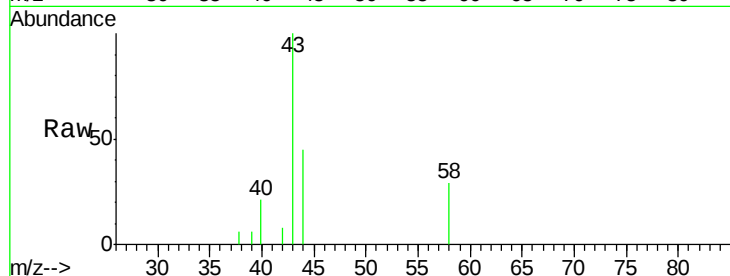
ClientSampled :

Tot Ion: 43 Resp: 7957

Ion Ratio Lower Upper

43 100

58 29.1 25.9 38.9



#18

Methyl Acetate

Concen: 0.24 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN049896.D

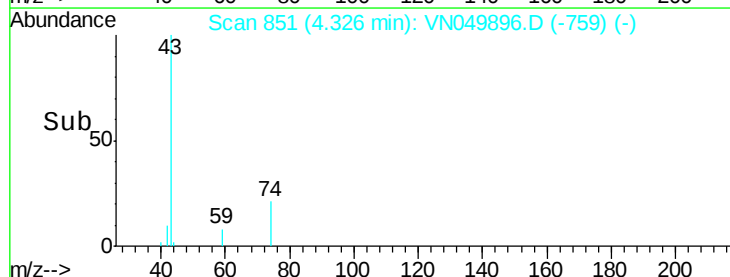
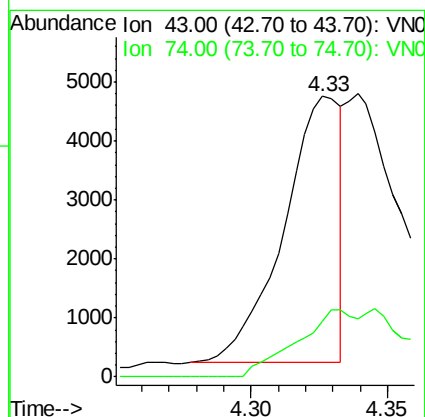
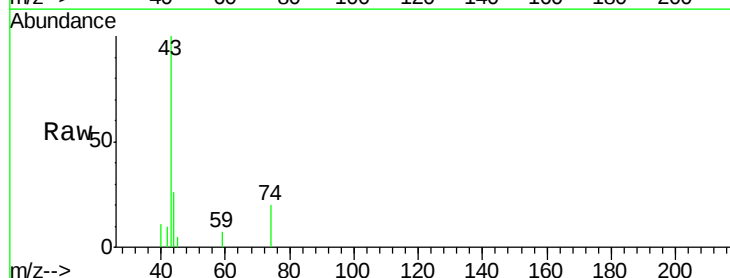
Acq: 19 Jul 2018 2:17

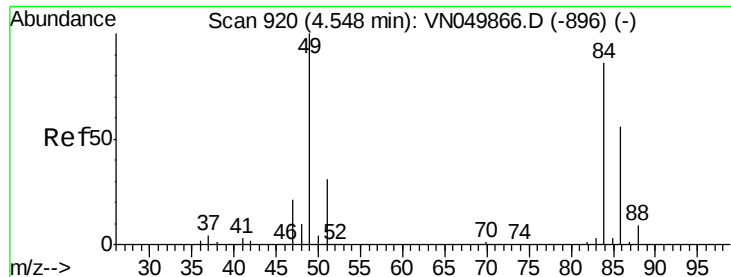
Tgt Ion: 43 Resp: 6547

Ion Ratio Lower Upper

43 100

74 26.3 19.8 29.8

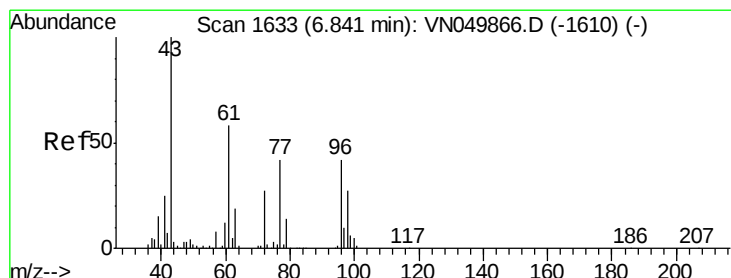
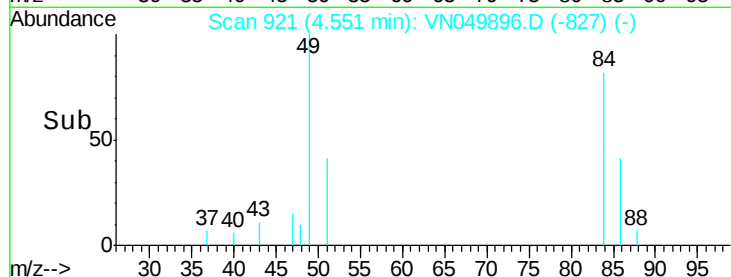
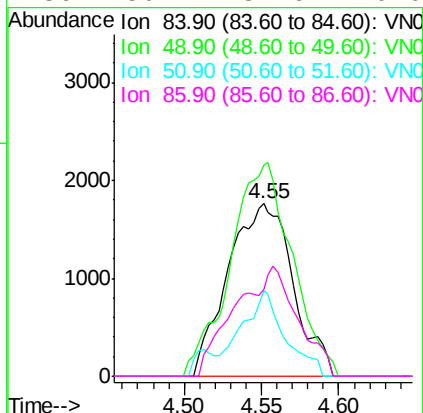
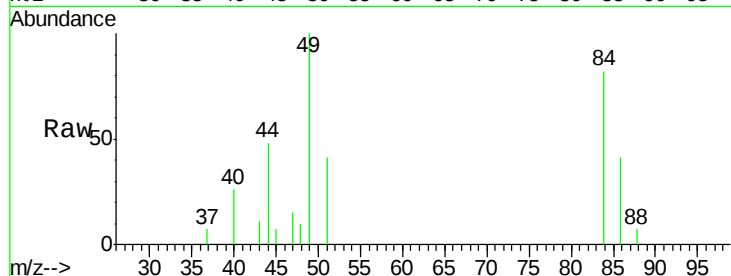




#20
Methvlene Chloride
Concen: 0.69 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049896.D
Acq: 19 Jul 2018 2:17

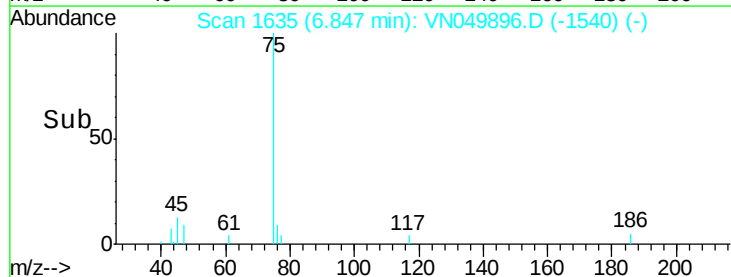
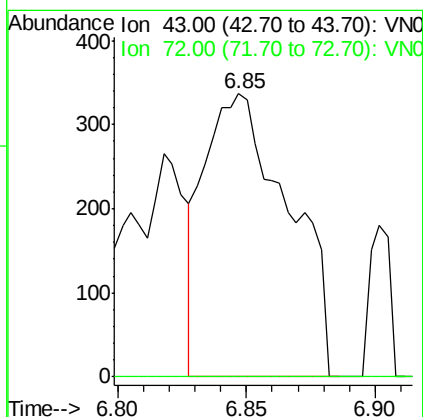
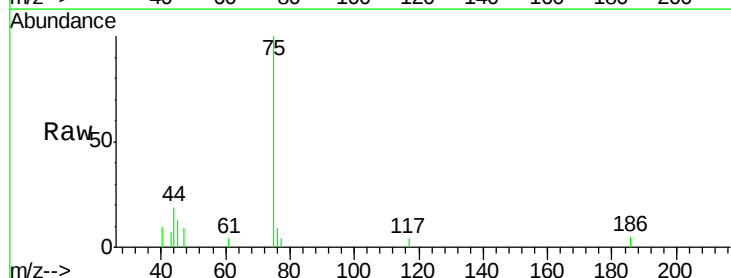
Instrument :
MSVOA_N
ClientSampleId :

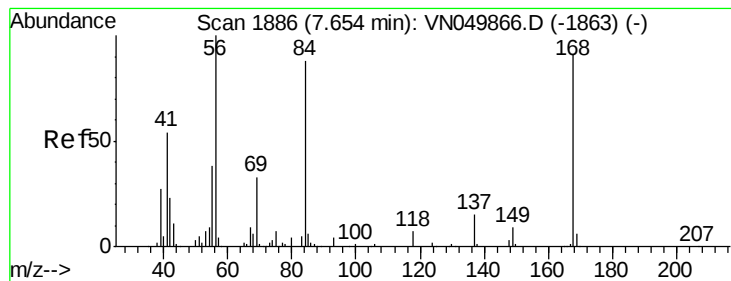
Tot Ion: 84 Resp: 5137
Ion Ratio Lower Upper
84 100
49 122.1 95.4 143.2
51 49.7 28.4 42.6#
86 50.4 52.6 79.0#



#25
2-Butanone
Concen: 0.27 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049896.D
Acq: 19 Jul 2018 2:17

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
72 0.0 22.1 33.1#





#31

Cyclohexane

Concen: 1.07 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049896.D

Acq: 19 Jul 2018 2:17

Instrument :

MSVOA_N

ClientSampled :

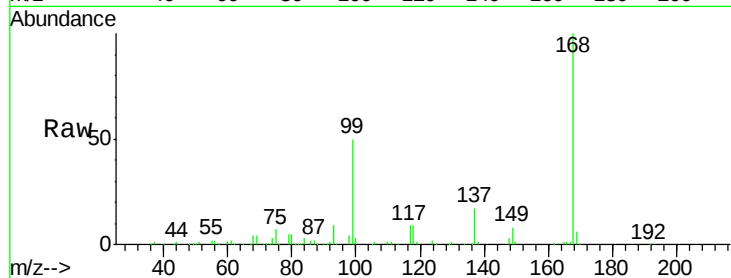
Tot Ion: 56 Resp: 10804

Ion Ratio Lower Upper

56 100

69 186.0 26.6 40.0#

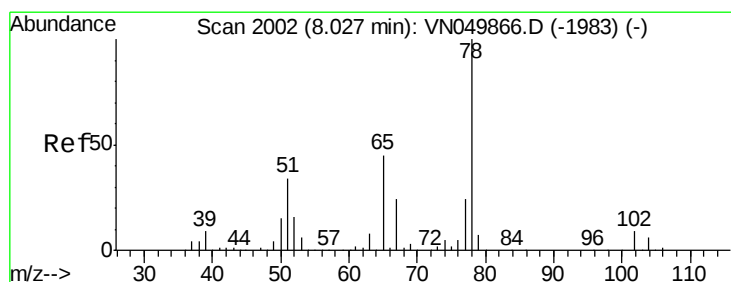
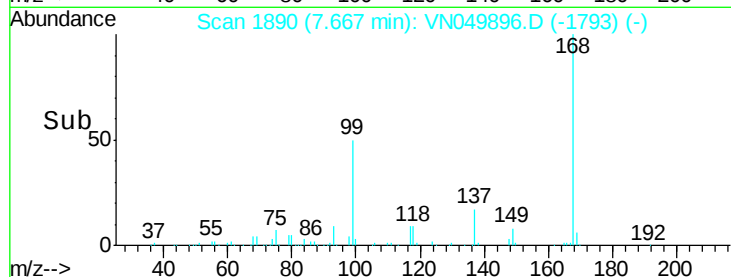
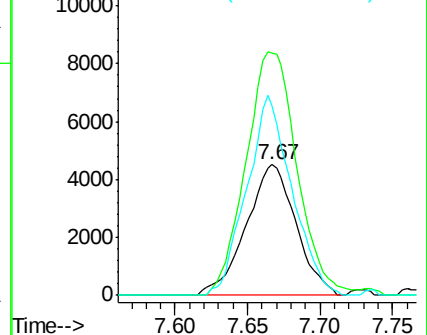
84 145.2 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VN049866.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN049866.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN049866.D (-1863) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.84 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049896.D

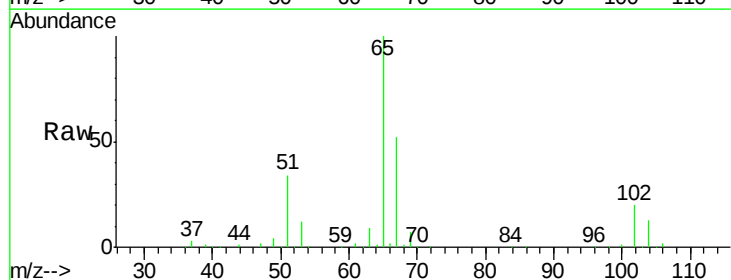
Acq: 19 Jul 2018 2:17

Tgt Ion: 65 Resp: 401736

Ion Ratio Lower Upper

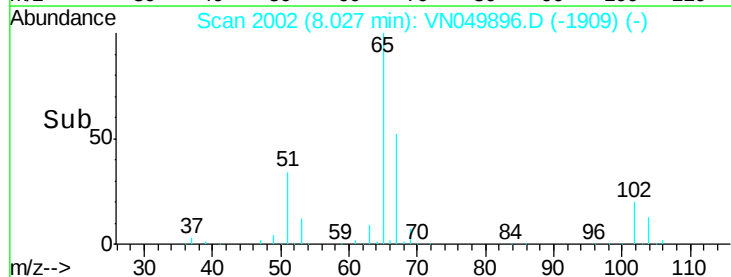
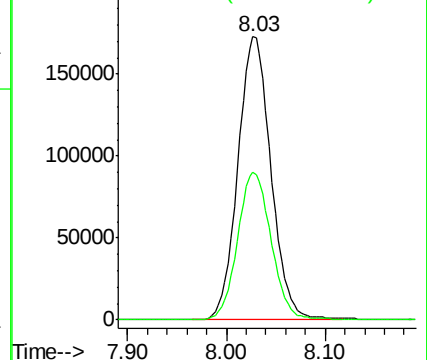
65 100

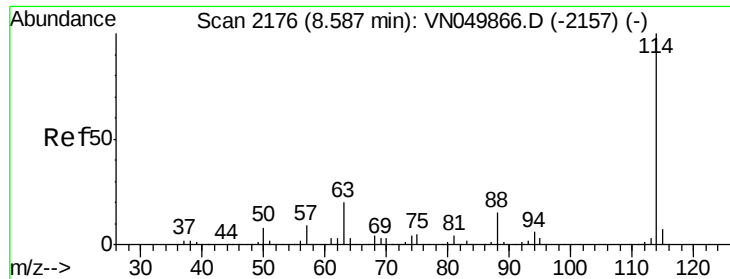
67 53.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049866.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN049866.D (-1983) (-)

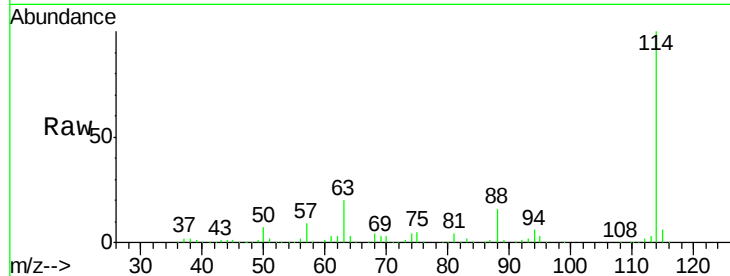




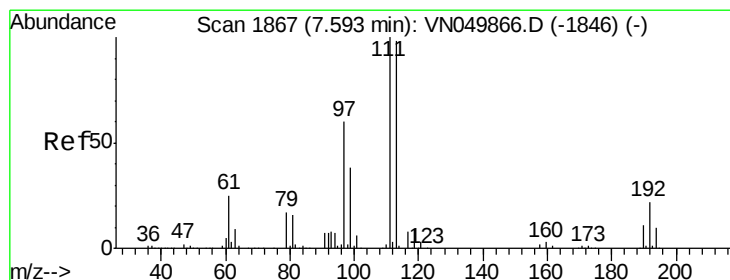
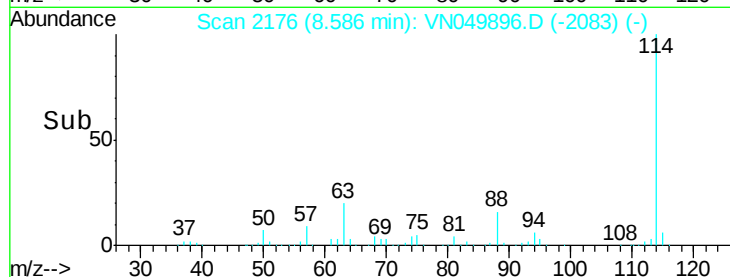
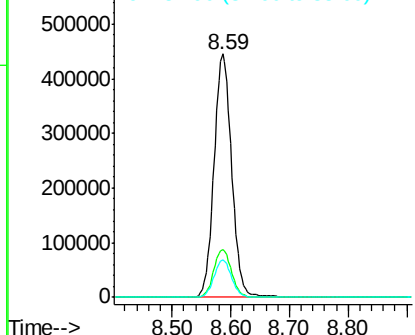
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049896.D
 Acq: 19 Jul 2018 2:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 926019
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.5 0.0 30.6

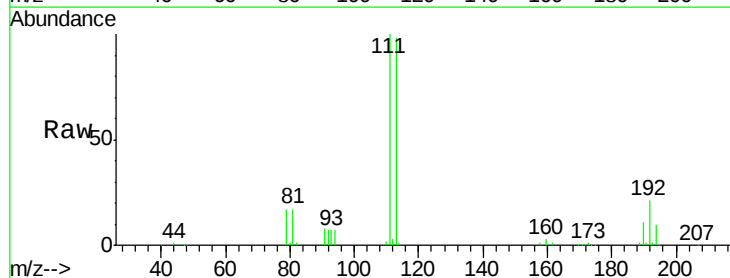


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

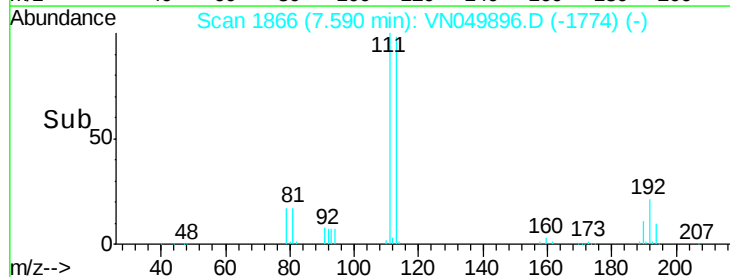
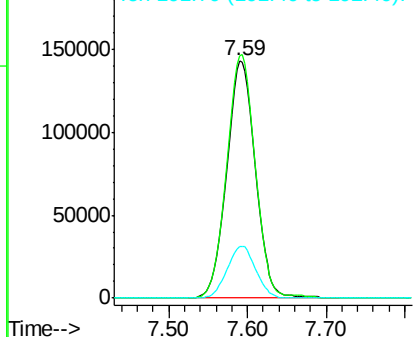


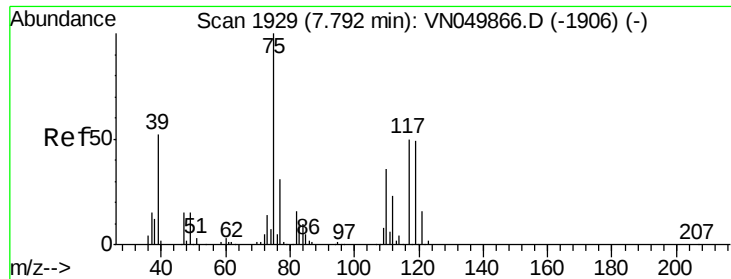
#35
 Dibromofluoromethane
 Concen: 46.27 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049896.D
 Acq: 19 Jul 2018 2:17

Tgt Ion:113 Resp: 359671
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.8 122.8
 192 22.0 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

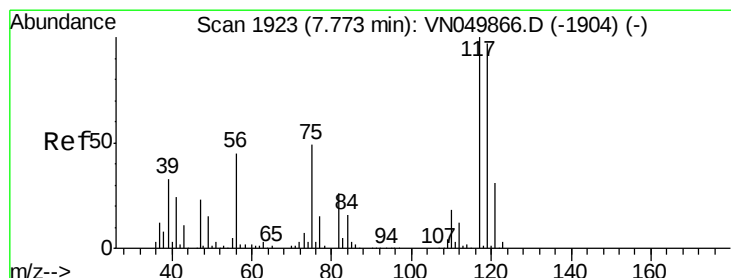
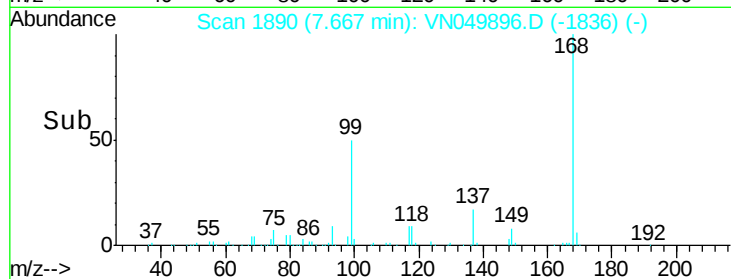
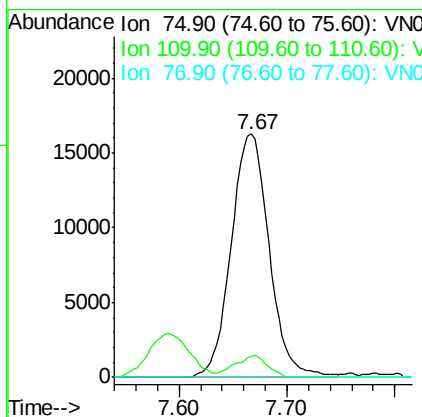
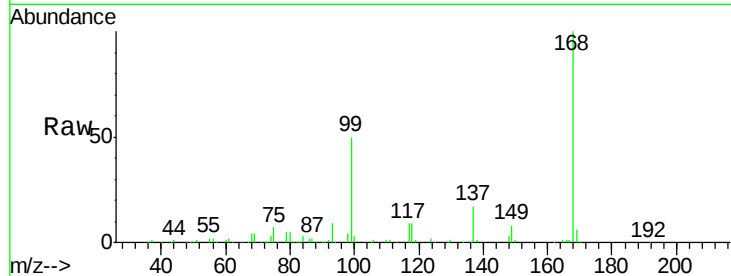




#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049896.D
 Acq: 19 Jul 2018 2:17

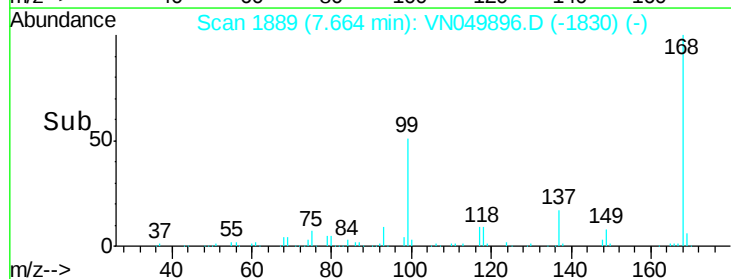
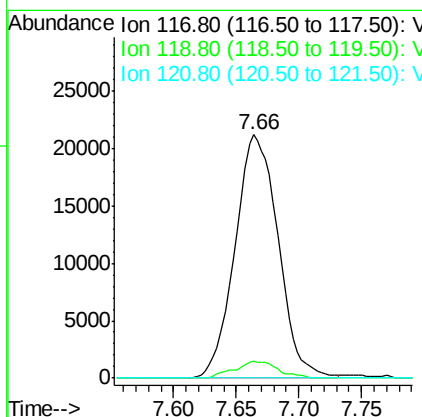
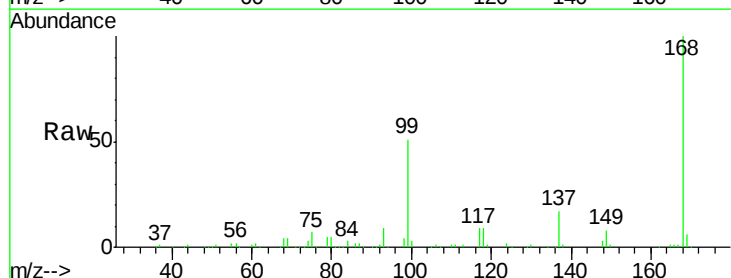
Instrument :
 MSVOA_N
 ClientSampled :

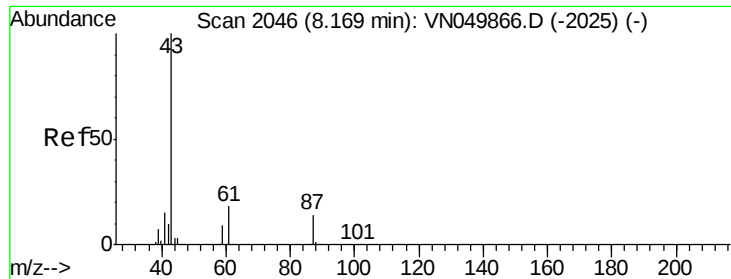
Tot Ion	75	Resp	39926
Ion Ratio	Lower	Upper	
75	100		
110	7.7	18.1	54.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.60 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.11 min
 Lab File: VN049896.D
 Acq: 19 Jul 2018 2:17

Tgt Ion	117	Resp	50735
Ion Ratio	Lower	Upper	
117	100		
119	6.9	77.2	115.8#
121	0.0	25.0	37.6#



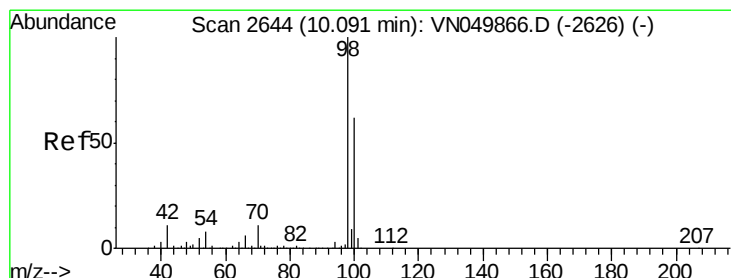
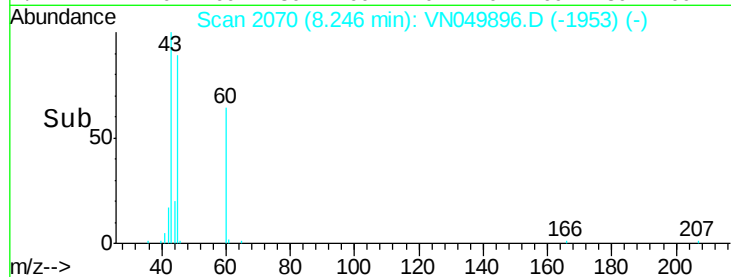
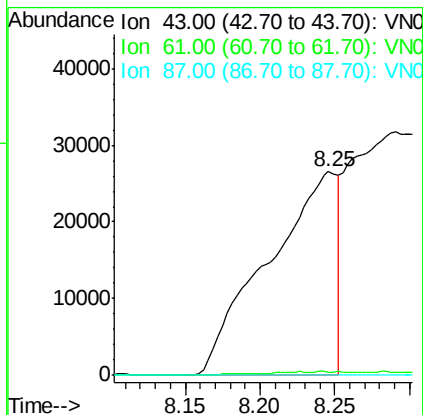
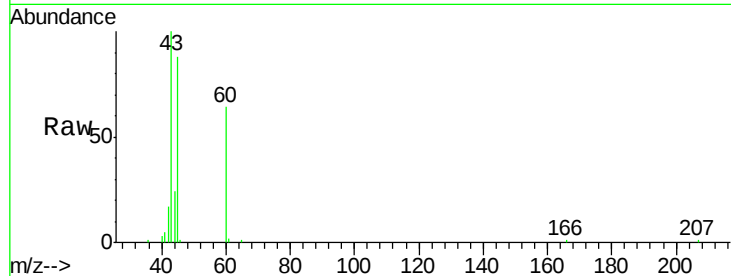


#43

Isopropyl Acetate
 Concen: 6.95 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.08 min
 Lab File: VN049896.D
 Acq: 19 Jul 2018 2:17

Instrument :
 MSVOA_N
 ClientSampleId :

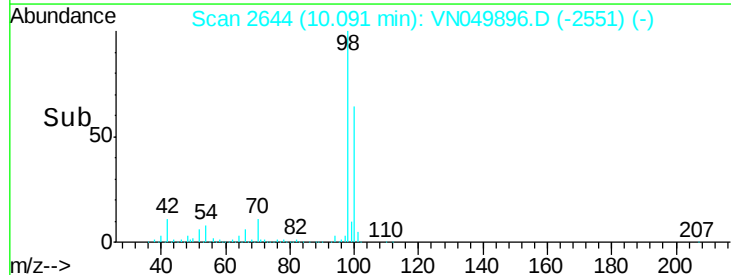
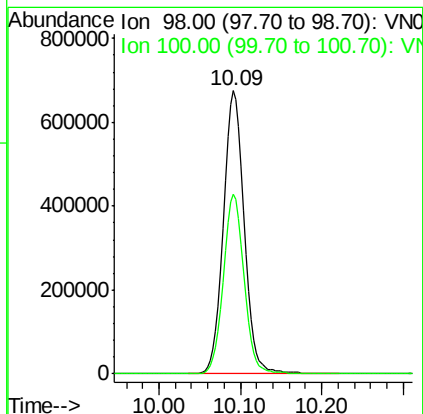
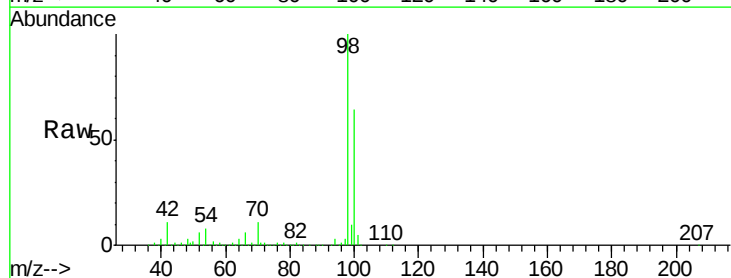
Tot Ion: 43 Resp: 85833
 Ion Ratio Lower Upper
 43 100
 61 0.3 14.9 22.3#
 87 0.0 10.0 15.0#

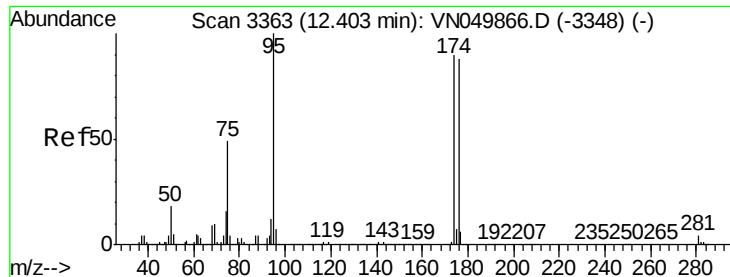


#50

Toluene-d8
 Concen: 43.36 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN049896.D
 Acq: 19 Jul 2018 2:17

Tgt Ion: 98 Resp: 1228297
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 33.90 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049896.D

Acq: 19 Jul 2018 2:17

Instrument :

MSVOA_N

ClientSampled :

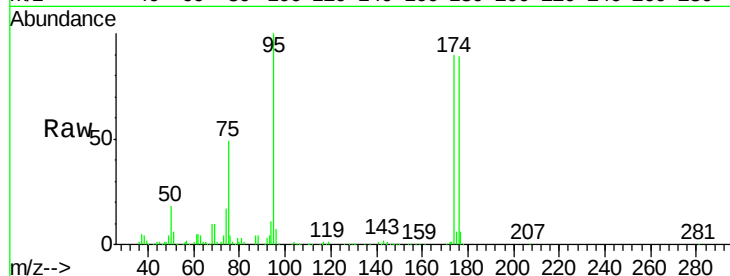
Tot Ion: 95 Resp: 330713

Ion Ratio Lower Upper

95 100

174 90.5 0.0 179.6

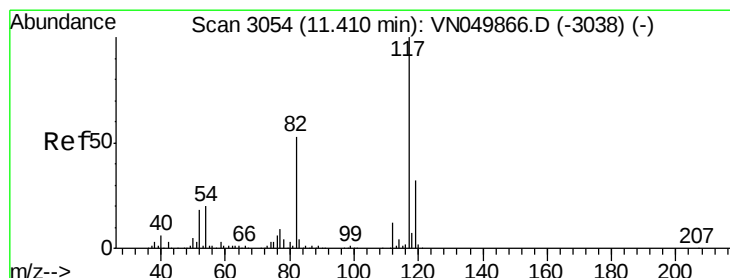
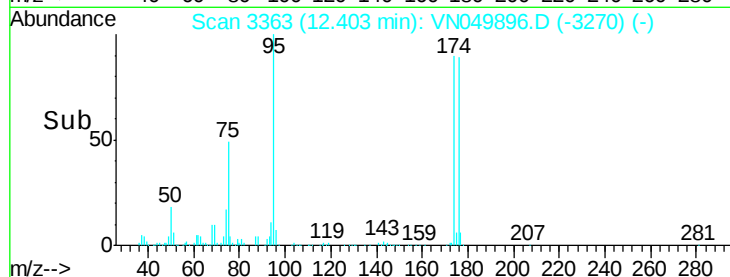
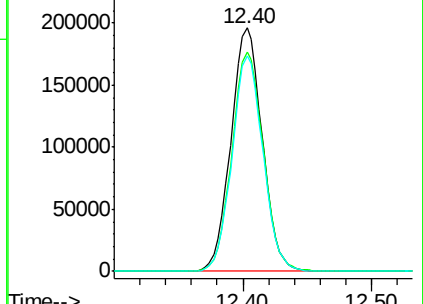
176 87.4 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049866.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN049866.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049866.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049896.D

Acq: 19 Jul 2018 2:17

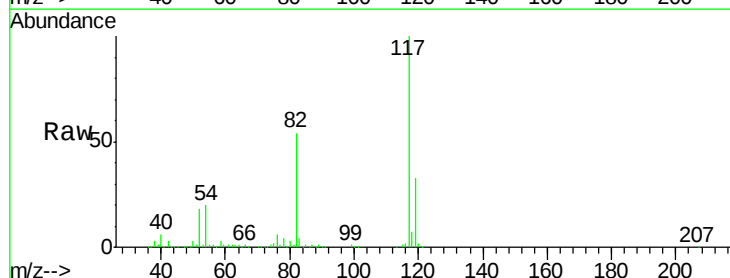
Tgt Ion: 117 Resp: 754316

Ion Ratio Lower Upper

117 100

82 53.6 41.9 62.9

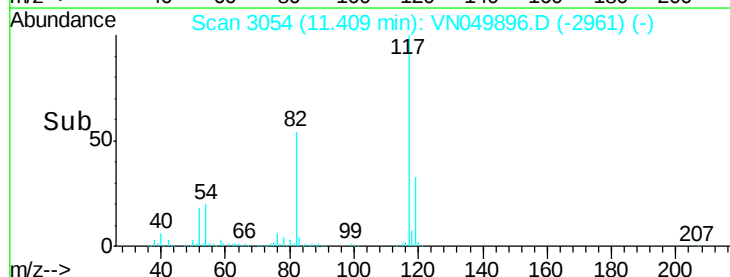
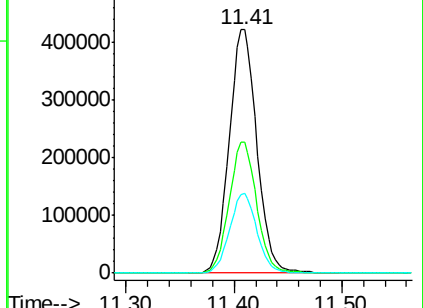
119 32.5 25.4 38.2

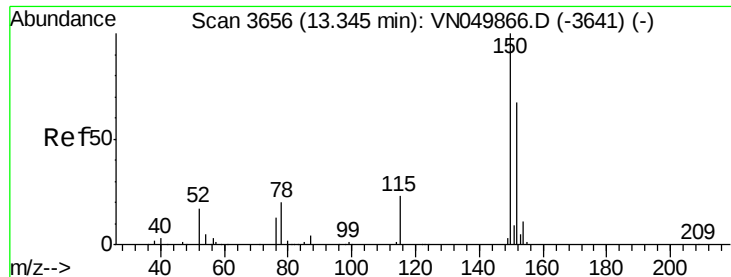


Abundance Ion 116.90 (116.60 to 117.60): VN049866.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049866.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049866.D (-3038) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049896.D

Acq: 19 Jul 2018 2:17

Instrument :

MSVOA_N

ClientSampleId :

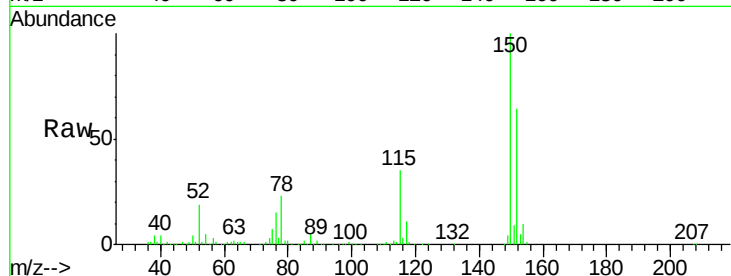
Tot Ion:152 Resp: 277771

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

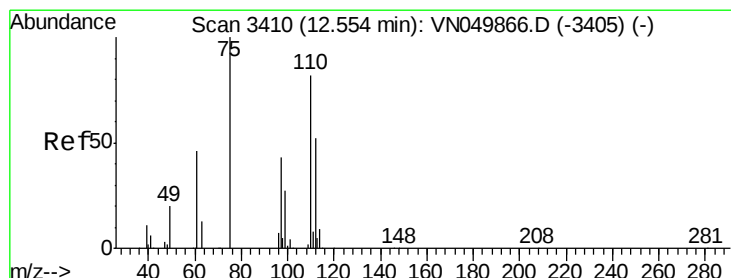
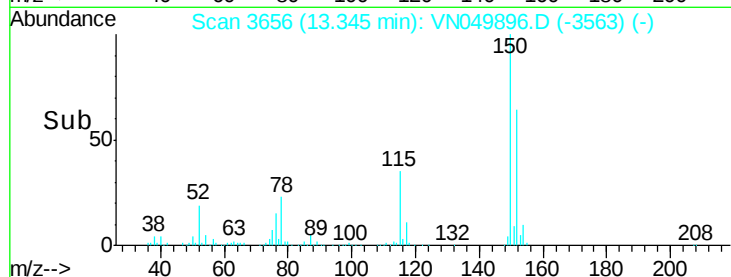
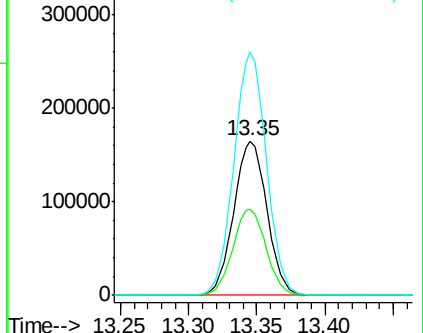
150 154.9 0.0 347.6



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: 30.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049896.D

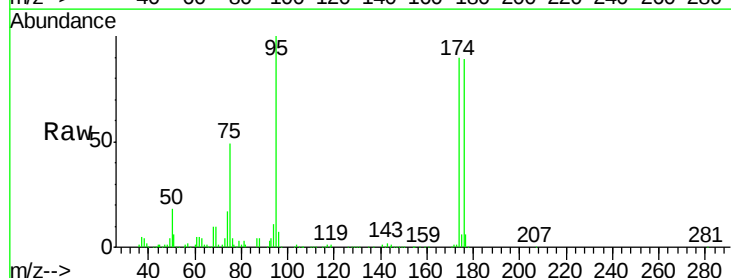
Acq: 19 Jul 2018 2:17

Tgt Ion: 75 Resp: 161259

Ion Ratio Lower Upper

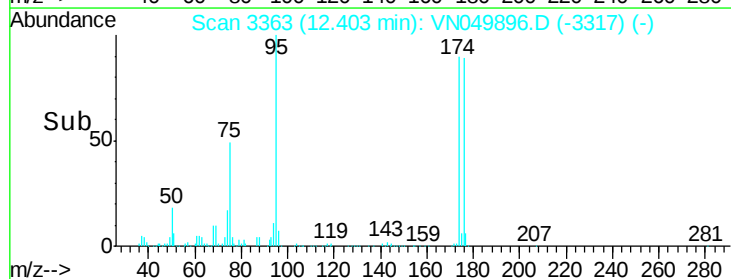
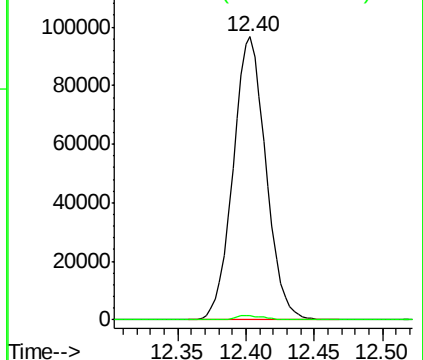
75 100

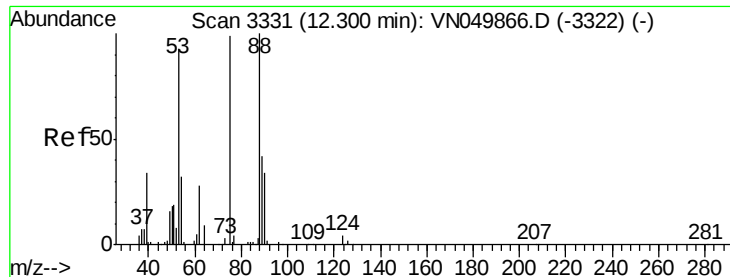
77 1.4 0.0 0.0#



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: 96.77 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049896.D

Acq: 19 Jul 2018 2:17

Instrument :

MSVOA_N

ClientSampleId :

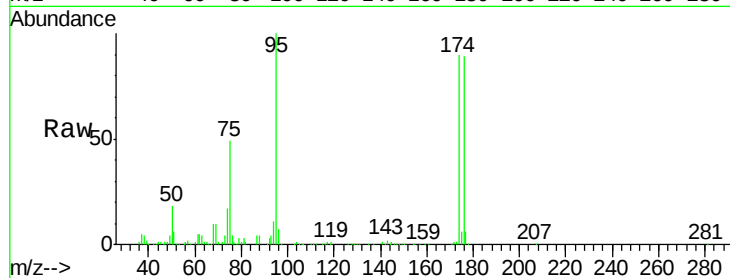
Tot Ion: 75 Resp: 161259

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

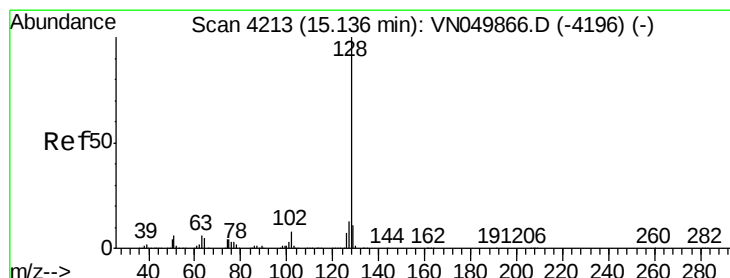
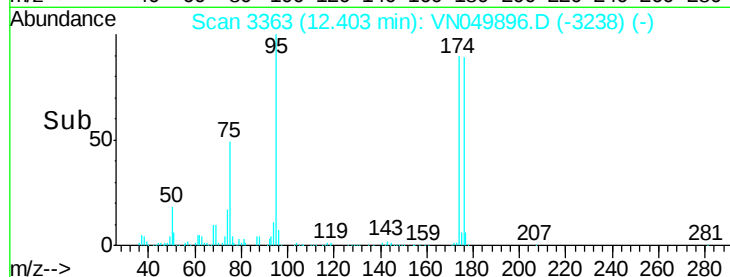
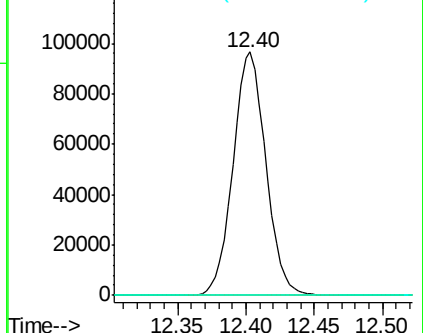
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049896.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049896.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049896.D (-3363) (-)



#95

Naphthalene

Concen: 4.51 ug/l

RT: 15.13 min Scan# 4210

Delta R.T. -0.01 min

Lab File: VN049896.D

Acq: 19 Jul 2018 2:17

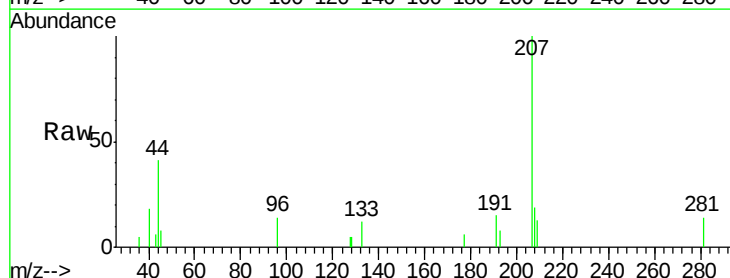
Tgt Ion: 128 Resp: 310

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN049896.D (-4210) (-)

Ion 127.00 (126.70 to 127.70): VN049896.D (-4210) (-)

Ion 129.00 (128.70 to 129.70): VN049896.D (-4210) (-)

