

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049790.D
 Acq On : 13 Jul 2018 12:14
 Operator : MD\SY
 Sample : J3762-07 LOD/MDL 0.2ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Manual Integrations
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MMDadoda
 7/16/2018 11:25:42 AM

Quant Time: Jul 16 02:21:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	681398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1034889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	876338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	305473	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	321101	40.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.02%	
35) Dibromofluoromethane	7.59	113	307050	39.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.72%	
50) Toluene-d8	10.09	98	857978	32.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.26%	
62) 4-Bromofluorobenzene	12.40	95	242506	25.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	50.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	424	Below Cal	#	44
3) Chloromethane	2.06	50	2857	Below Cal	#	95
4) Vinyl Chloride	2.19	62	698	Below Cal	#	73
5) Bromomethane	2.57	94	3726	Below Cal	#	73
16) Acetone	3.82	43	3739	Below Cal	#	85
18) Methyl Acetate	4.34	43	10660	0.89	ug/l	# 70
20) Methylene Chloride	4.54	84	1417	Below Cal	#	78
31) Cyclohexane	7.67	56	13010	0.80	ug/l	# 1
55) 1,1,2-Trichloroethane	10.57	97	679	Below Cal	#	33
58) 2-Chloroethyl Vinyl ether	9.70	63	1352	0.29	ug/l	# 73
59) 2-Hexanone	10.76	43	2479m	0.54	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.50	83	330	Below Cal	#	33
90) Hexachloroethane	13.88	117	319	Below Cal	#	4
92) 1,2-Dibromo-3-Chloropropan	14.27	75	342	Below Cal	#	1
94) Hexachlorobutadiene	15.02	225	355	Below Cal		77

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

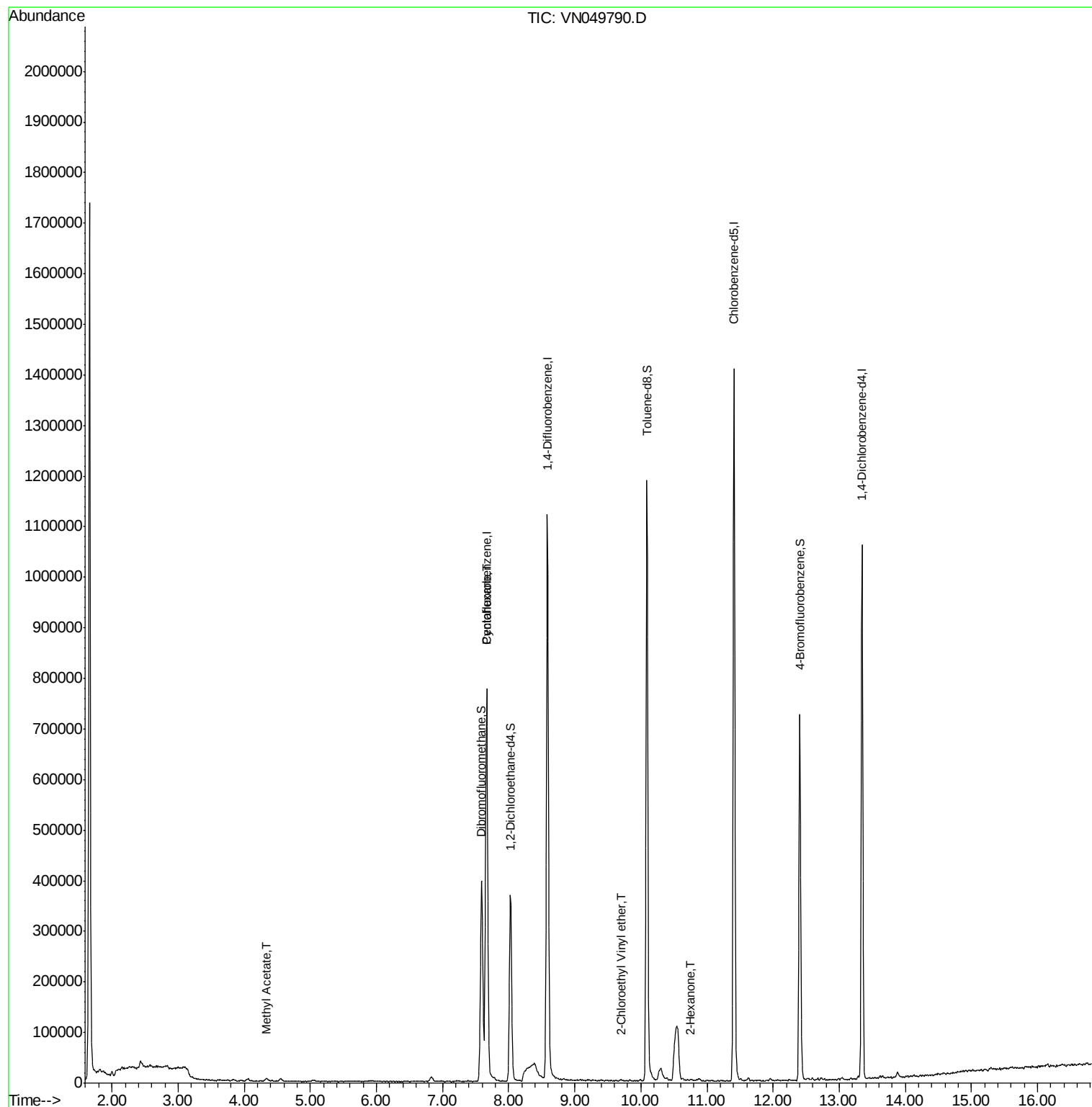
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071318\
Data File : VN049790.D
Acq On : 13 Jul 2018 12:14
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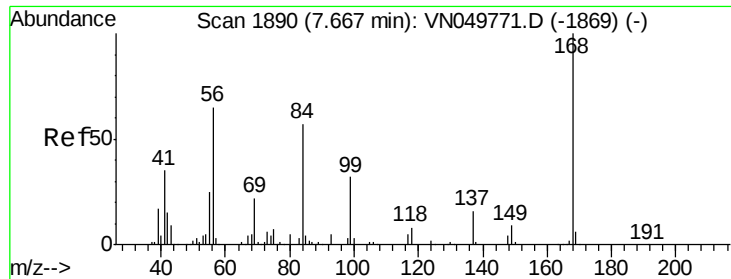
Instrument :
MSVOA_N
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LOD-MDL-WATER-01-QT3-2018

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7/16/2018 11:25:42 AM

Quant Time: Jul 16 02:21:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 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: VN049790.D

Acq: 13 Jul 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:168 Resp: 681398

Ion Ratio Lower Upper

168 100

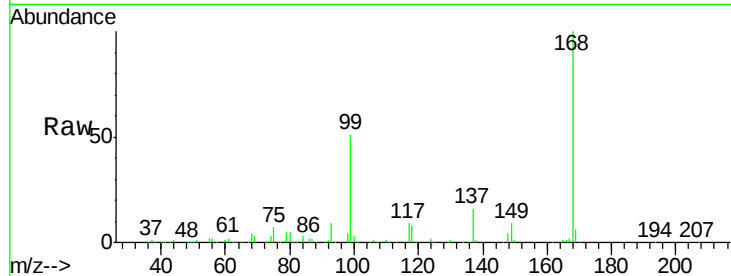
99 50.8 40.6 61.0

Manual Integrations

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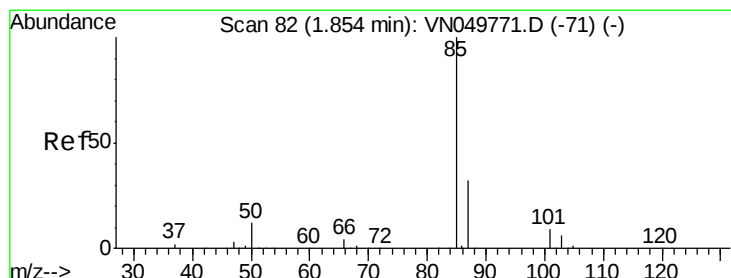
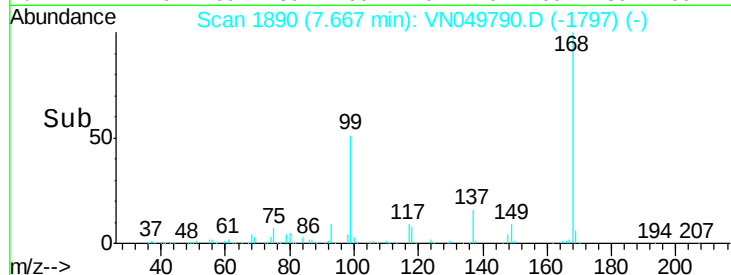
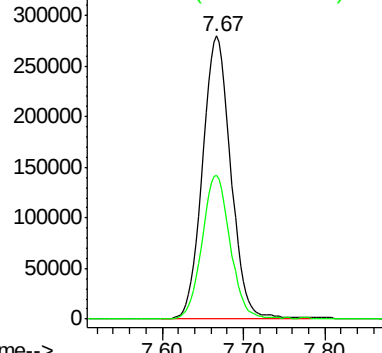
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049790.D

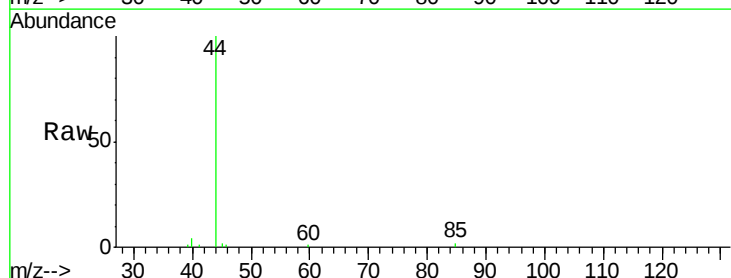
Acq: 13 Jul 2018 12:14

Tgt Ion: 85 Resp: 424

Ion Ratio Lower Upper

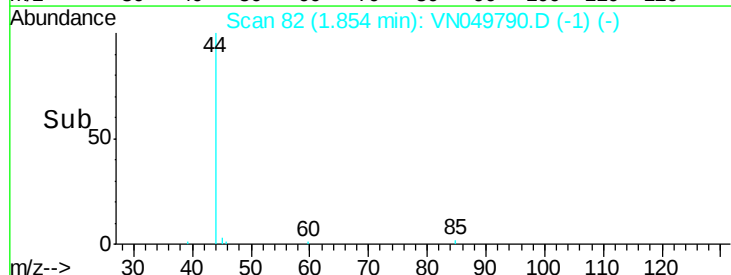
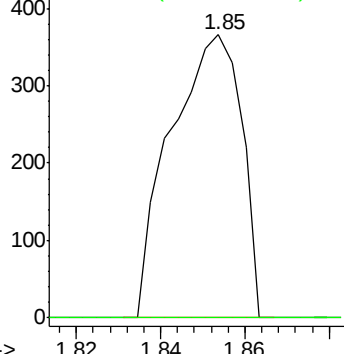
85 100

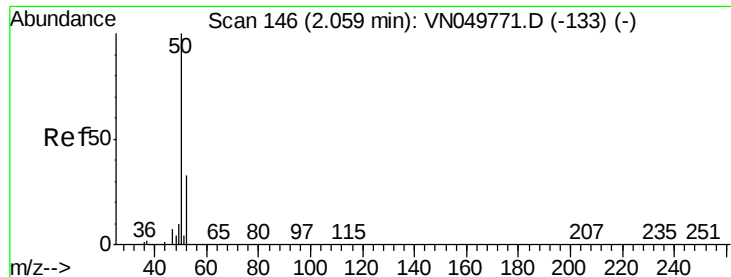
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049790.D

Acq: 13 Jul 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 50 Resp: 2857

Ion Ratio Lower Upper

50 100

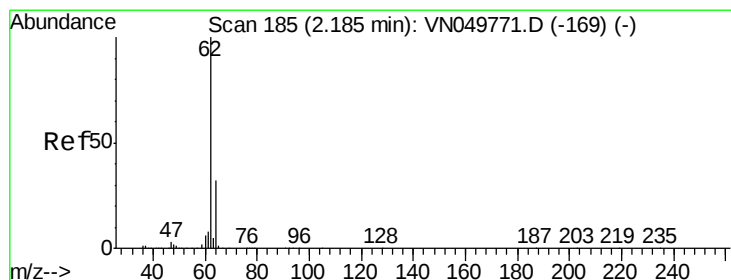
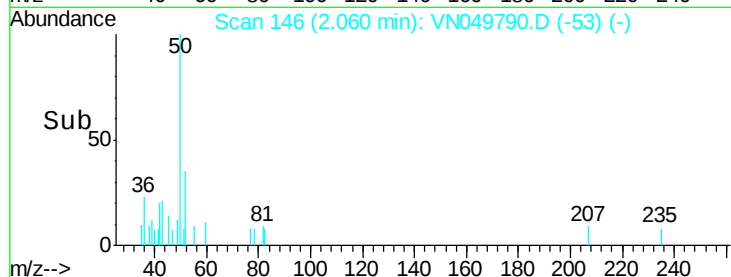
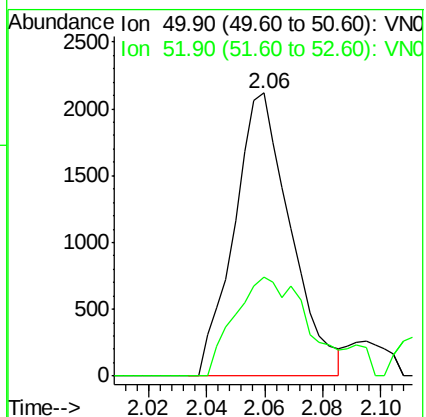
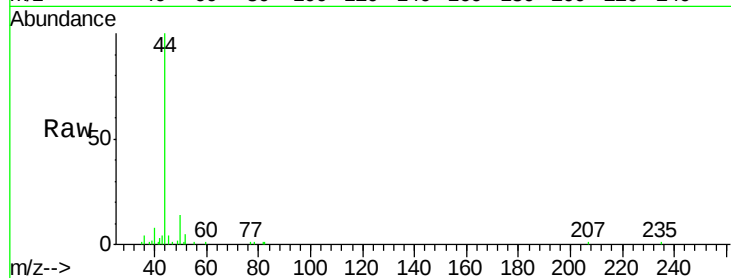
52 35.2 26.1 39.1

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#4

Vinyl Chloride

Concen: Below Cal

RT: 2.19 min Scan# 186

Delta R.T. 0.00 min

Lab File: VN049790.D

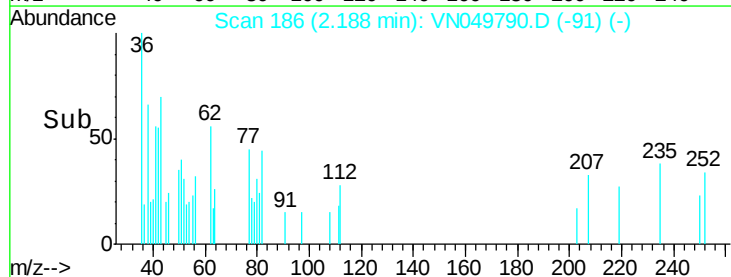
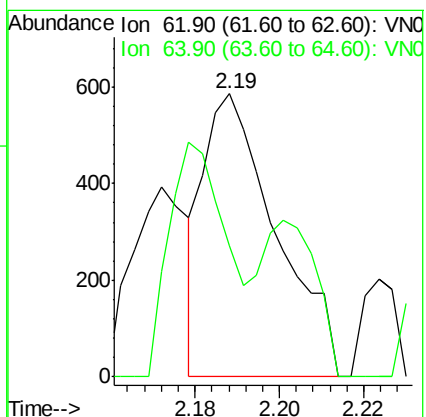
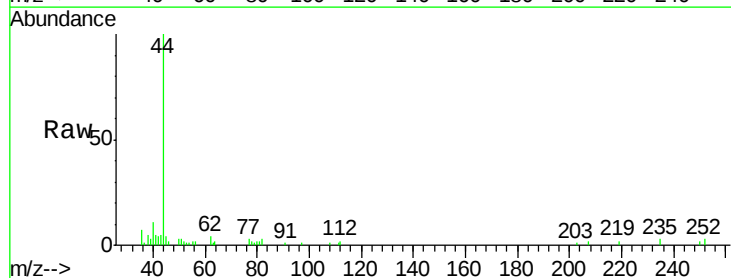
Acq: 13 Jul 2018 12:14

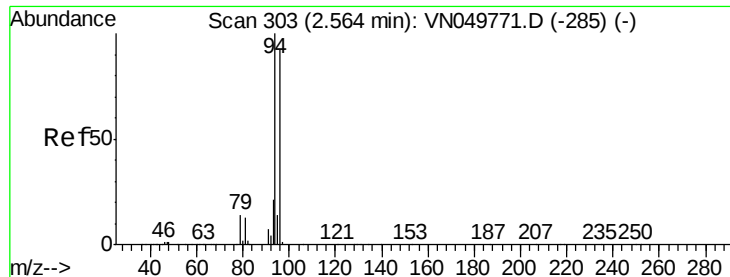
Tgt Ion: 62 Resp: 698

Ion Ratio Lower Upper

62 100

64 46.4 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049790.D

Acq: 13 Jul 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 94 Resp: 3726

Ion Ratio Lower Upper

94 100

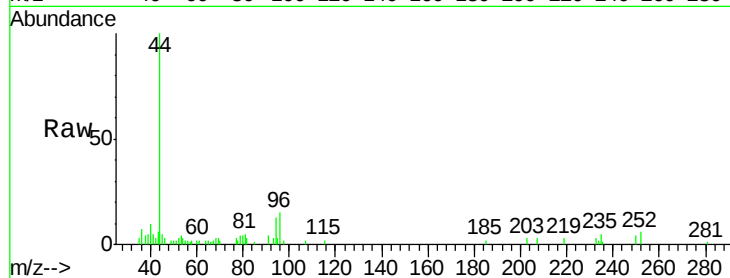
96 120.3 75.7 113.5#

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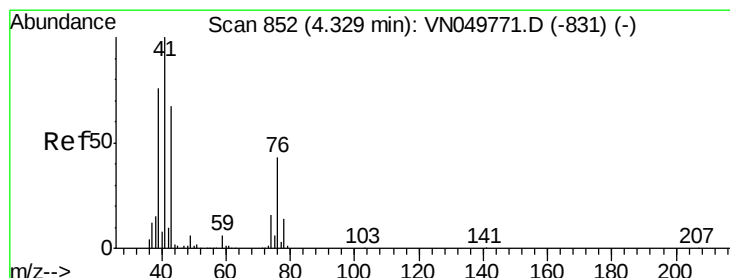
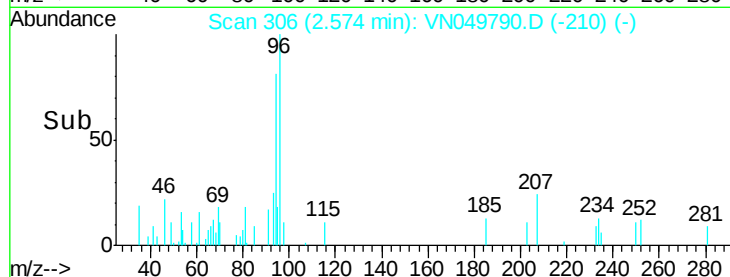
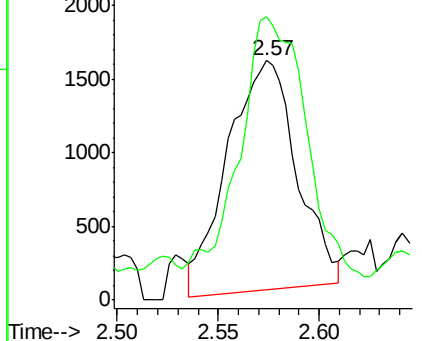
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#18

Methyl Acetate

Concen: 0.89 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049790.D

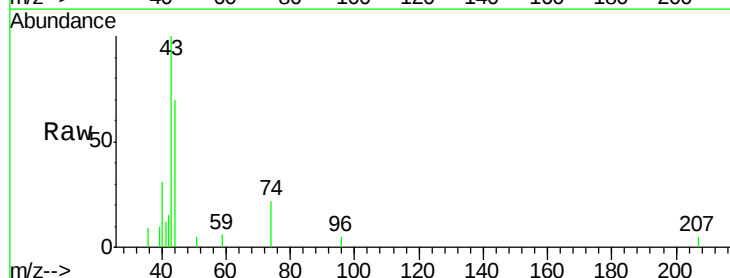
Acq: 13 Jul 2018 12:14

Tgt Ion: 43 Resp: 10660

Ion Ratio Lower Upper

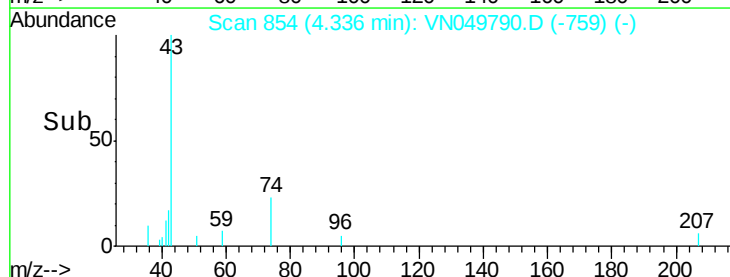
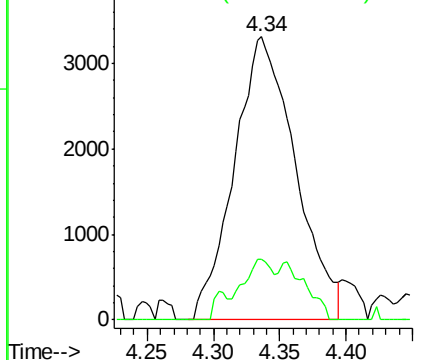
43 100

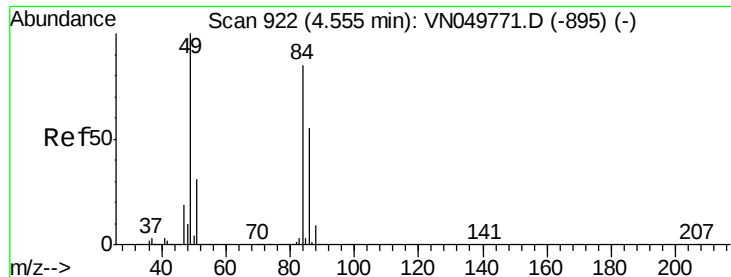
74 9.9 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





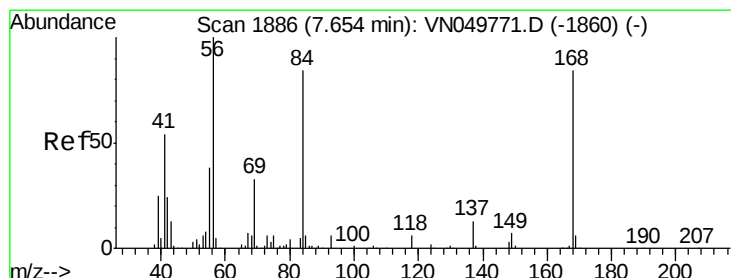
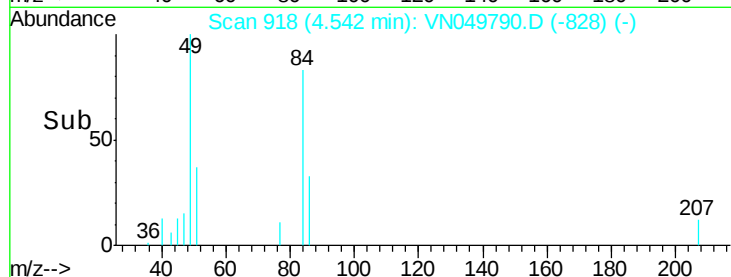
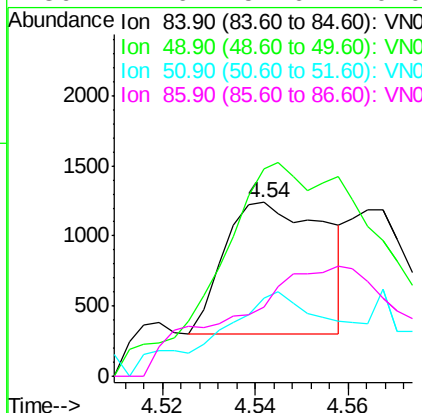
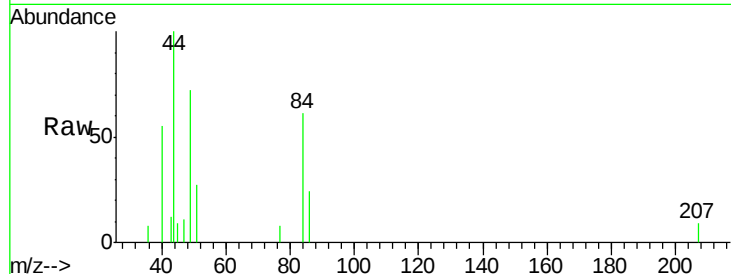
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN049790.D
Acq: 13 Jul 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:	84	Resp:	1417
Ion	Ratio	Lower	Upper
84	100		
49	116.9	95.4	143.2
51	42.0	28.4	42.6
86	14.6	52.6	79.0#

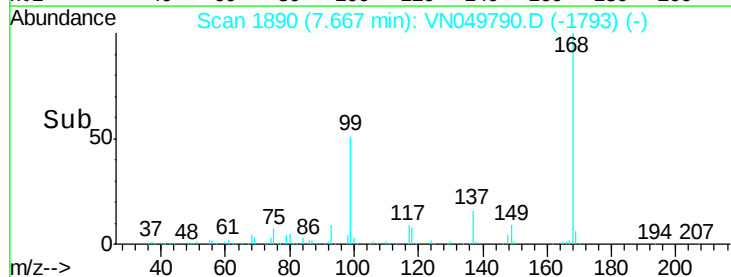
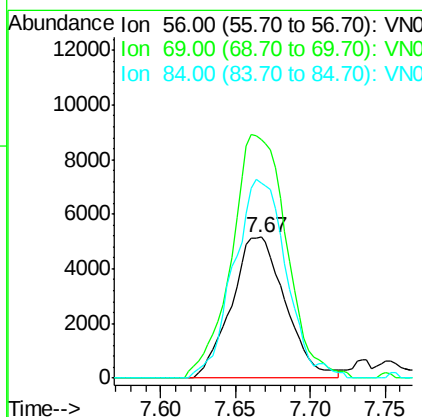
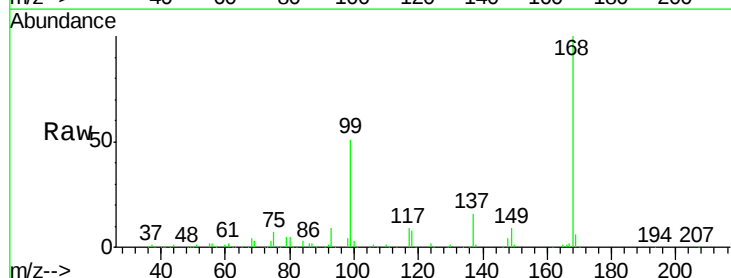
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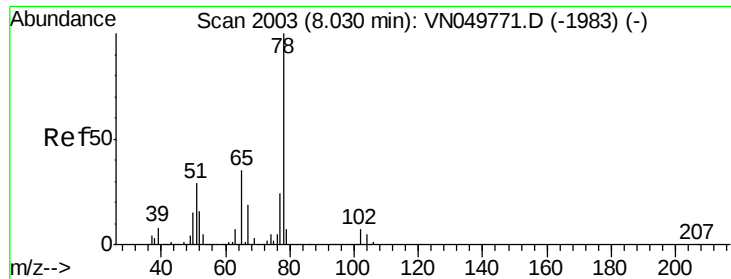
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#31
Cyclohexane
Concen: 0.80 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049790.D
Acq: 13 Jul 2018 12:14

Tgt Ion:	56	Resp:	13010
Ion	Ratio	Lower	Upper
56	100		
69	164.5	26.6	40.0#
84	138.3	69.0	103.6#





#33

1,2-Dichloroethane-d4

Concen: 40.51 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049790.D

Acq: 13 Jul 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 65 Resp: 321101

Ion Ratio Lower Upper

65 100

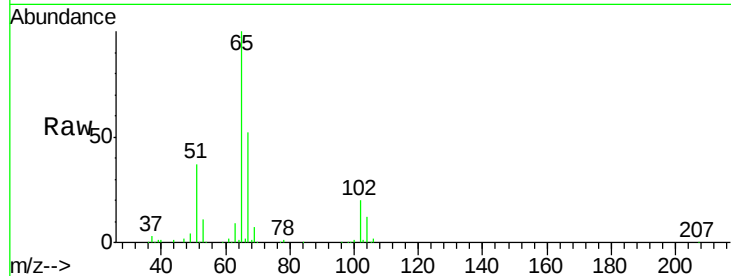
67 52.7 0.0 107.2

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Abundance Ion 64.90 (64.60 to 65.60): VN049771.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN049771.D (-1983) (-)

8.03

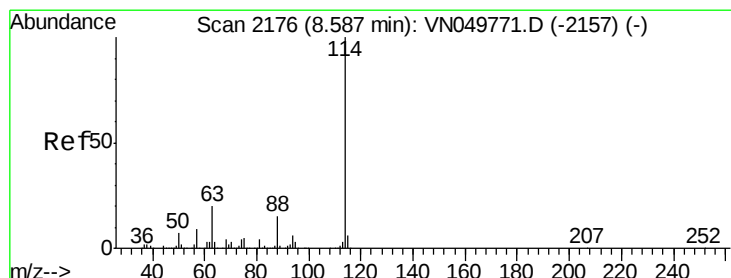
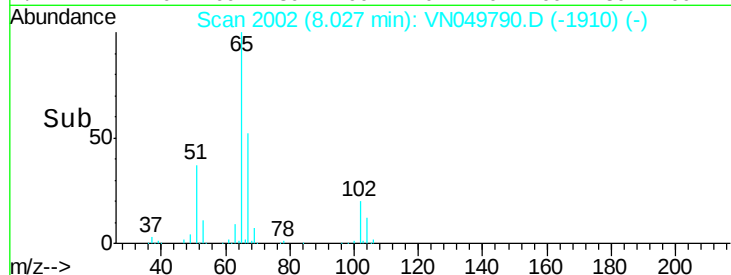
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049790.D

Acq: 13 Jul 2018 12:14

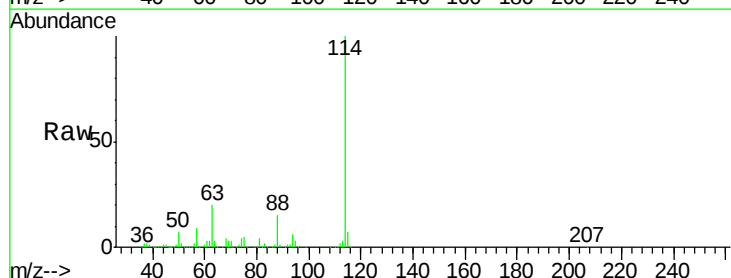
Tgt Ion: 114 Resp: 1034889

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

88 15.1 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049771.D (-2157) (-)

Ion 63.00 (62.70 to 63.70): VN049771.D (-2157) (-)

Ion 87.90 (87.60 to 88.60): VN049771.D (-2157) (-)

8.59

600000

500000

400000

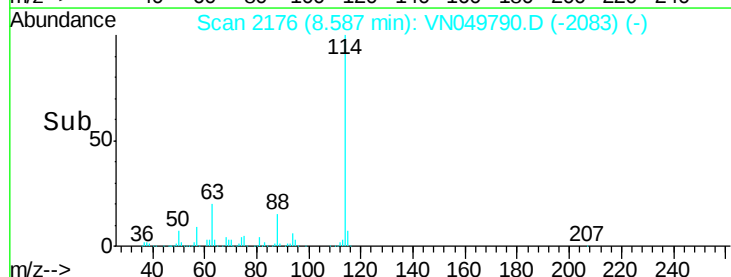
300000

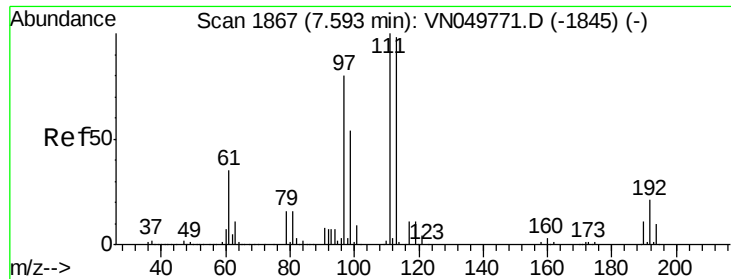
200000

100000

0

Time--> 8.50 8.60 8.70





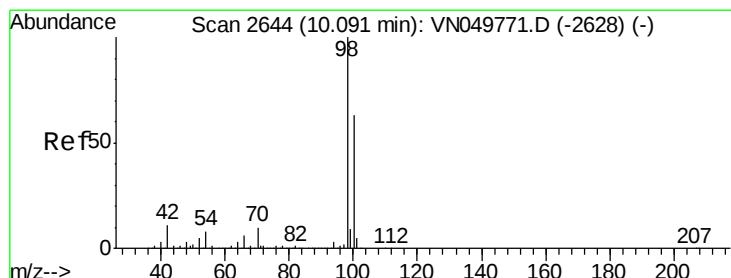
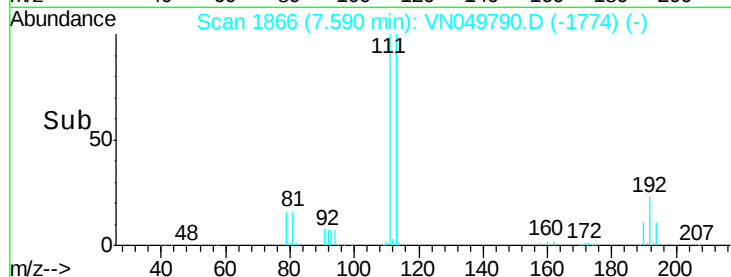
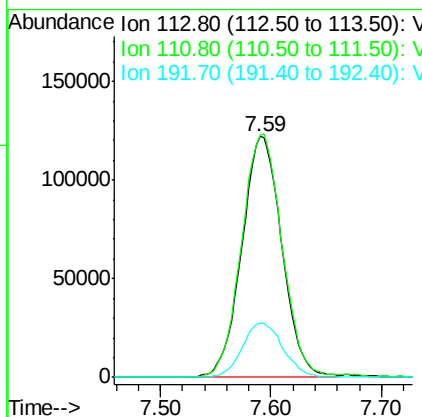
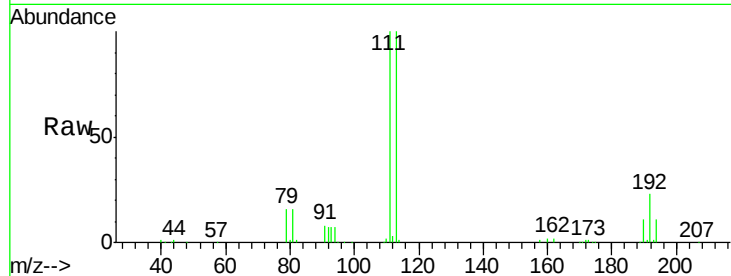
#35
Dibromofluoromethane
Concen: 39.36 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049790.D
Acq: 13 Jul 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
113	100	307050		
111	103.0		81.8	122.8
192	23.0		17.8	26.6

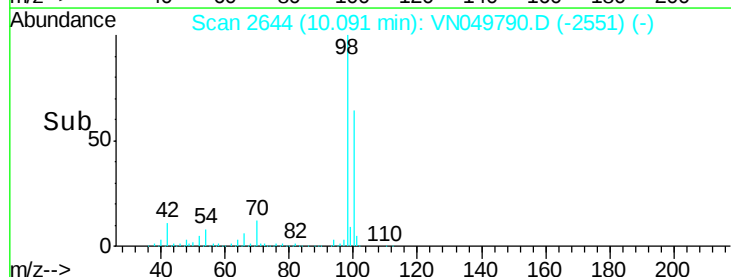
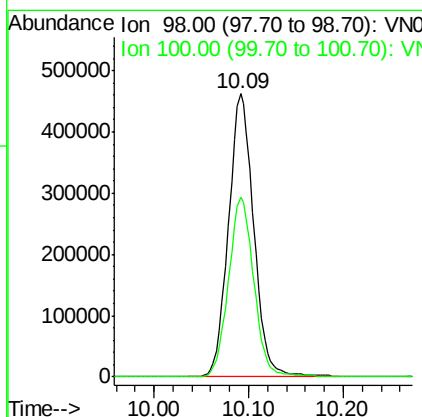
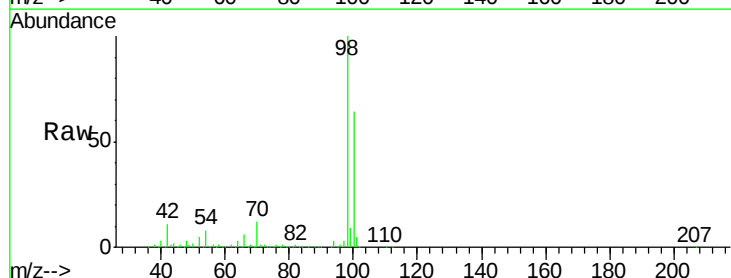
Manual Integrations
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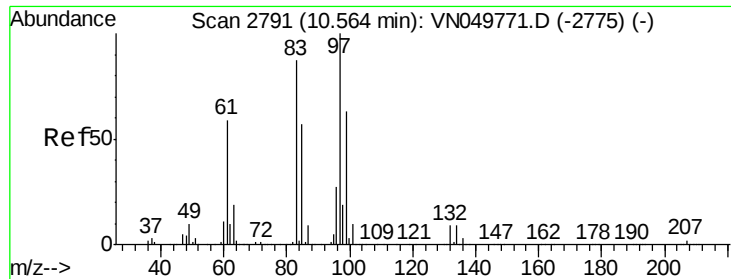
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#50
Toluene-d8
Concen: 32.13 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049790.D
Acq: 13 Jul 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	857978		
100	63.7		51.7	77.5





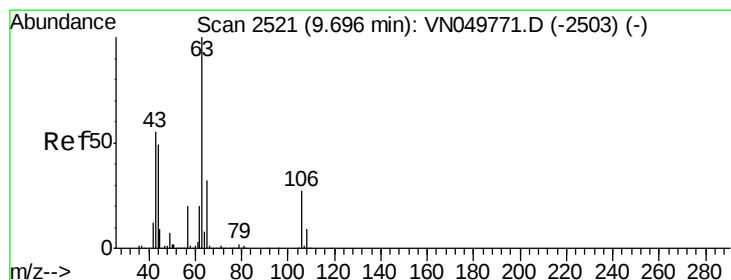
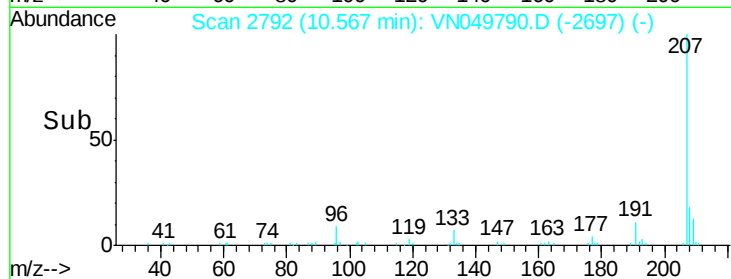
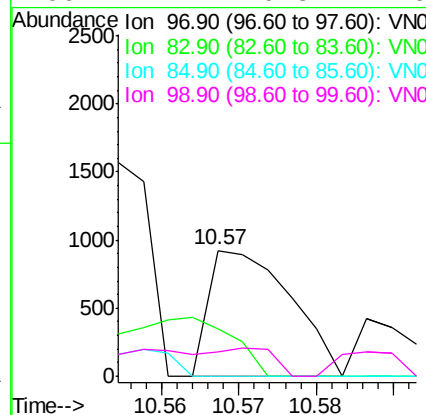
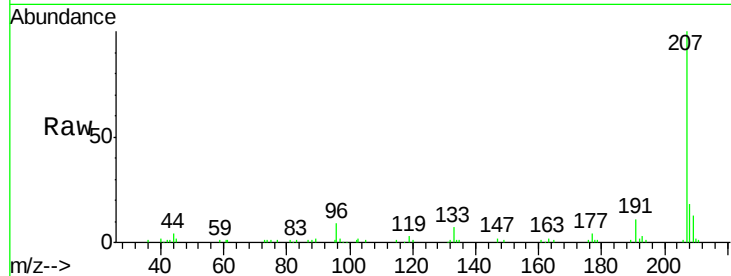
#55
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN049790.D
 Acq: 13 Jul 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
97	100		
83	38.0	69.0	103.6#
85	0.0	44.9	67.3#
99	2.7	49.8	74.6#

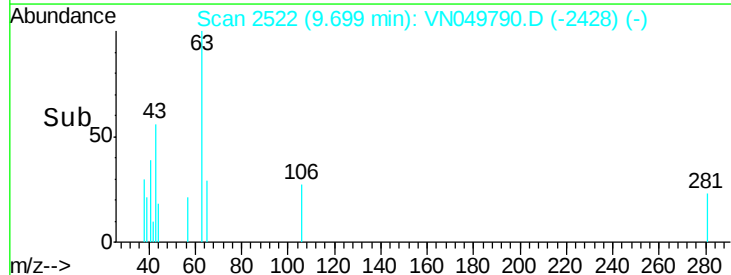
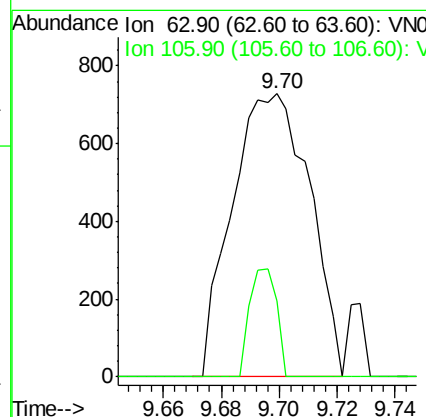
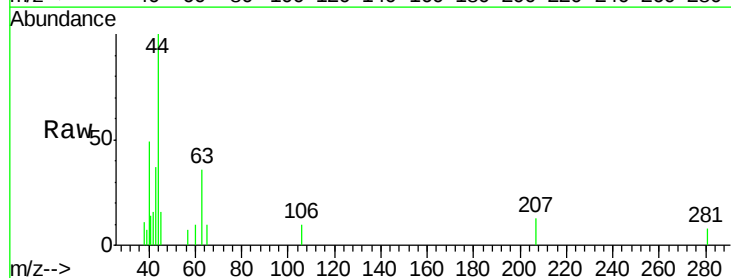
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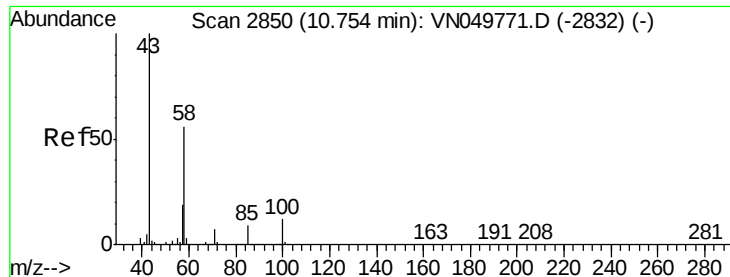
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#58
 2-Chloroethyl Vinyl ether
 Concen: 0.29 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049790.D
 Acq: 13 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	13.3	21.8	32.8#





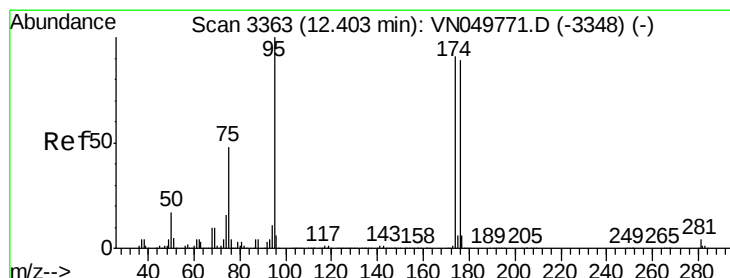
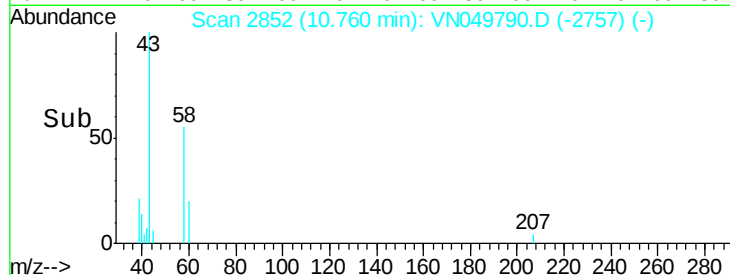
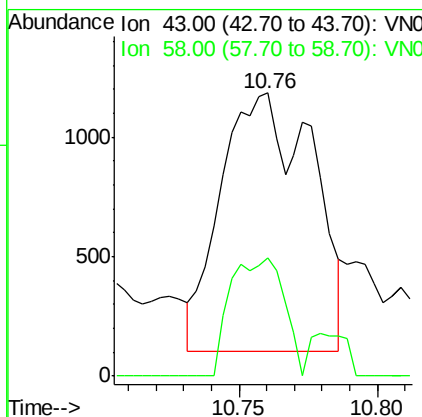
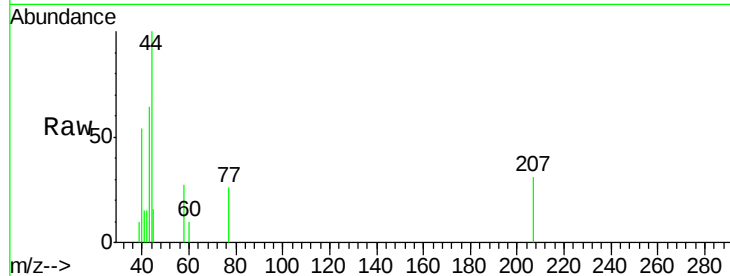
#59
2-Hexanone
Concen: 0.54 ug/l m
RT: 10.76 min Scan# 2852
Delta R.T. 0.01 min
Lab File: VN049790.D
Acq: 13 Jul 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 2479
Ion Ratio Lower Upper
43 100
58 26.9 27.8 83.4#

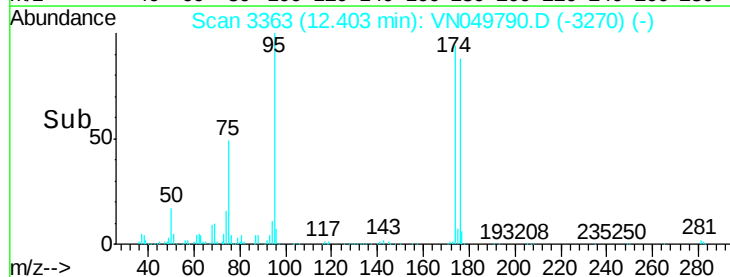
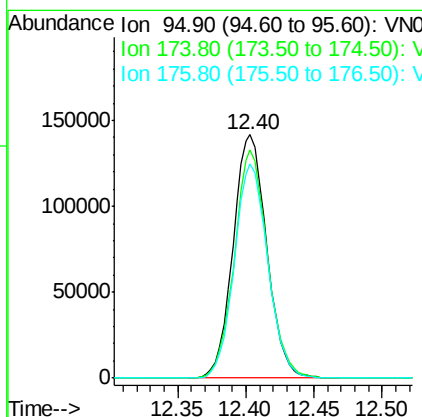
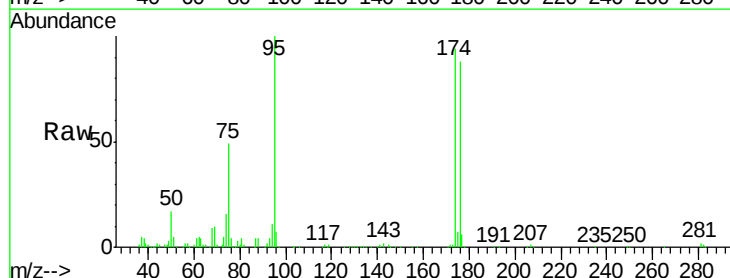
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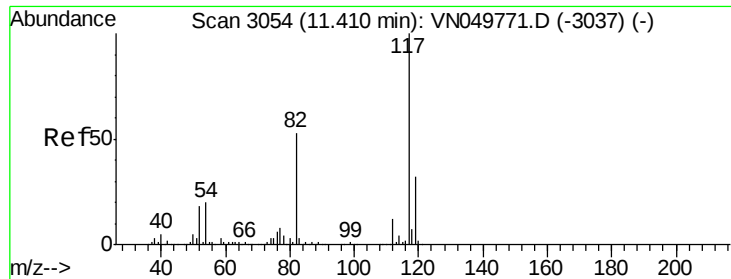
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#62
4-Bromofluorobenzene
Concen: 25.43 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049790.D
Acq: 13 Jul 2018 12:14

Tgt Ion: 95 Resp: 242506
Ion Ratio Lower Upper
95 100
174 92.5 0.0 179.6
176 87.6 0.0 174.0





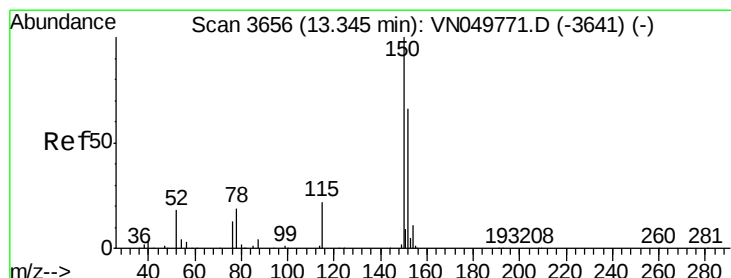
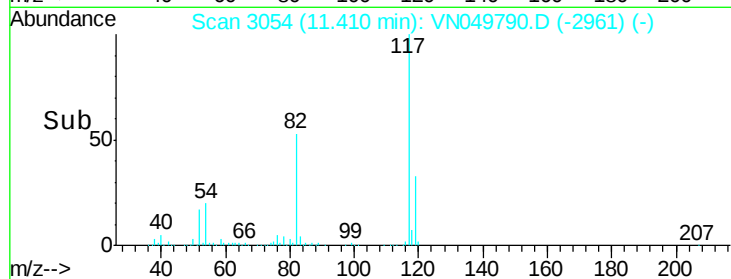
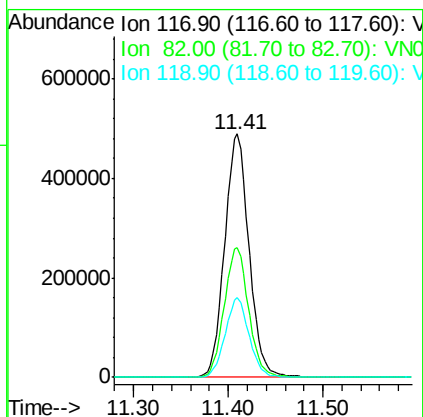
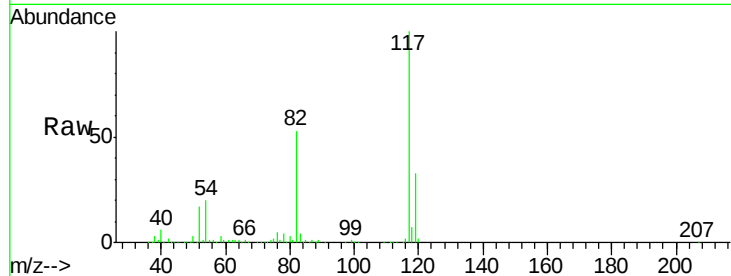
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049790.D
Acq: 13 Jul 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
117	100	876338		
82	53.3		41.9	62.9
119	32.8		25.4	38.2

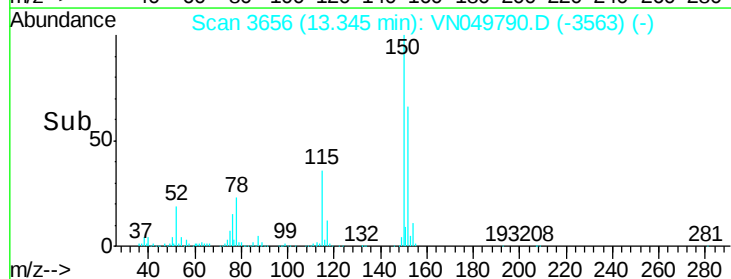
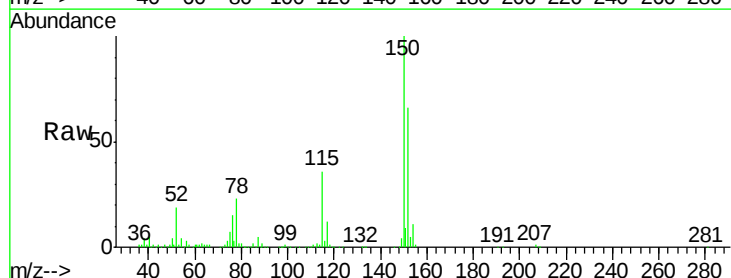
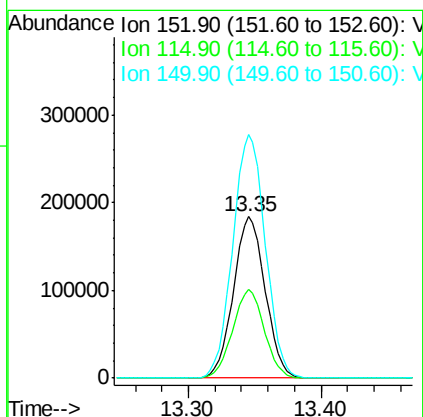
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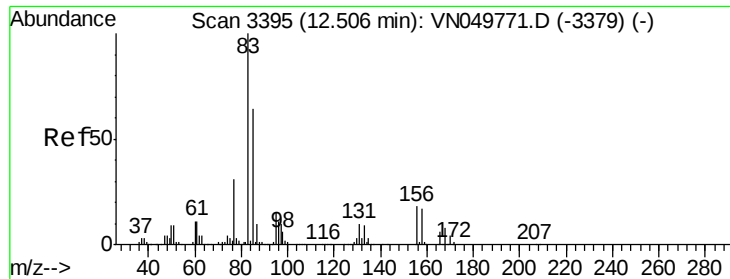
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049790.D
Acq: 13 Jul 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	305473		
115	54.7		28.1	84.2
150	154.8		0.0	347.6





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049790.D

Acq: 13 Jul 2018 12:14

Instrument :

MSVOA_N

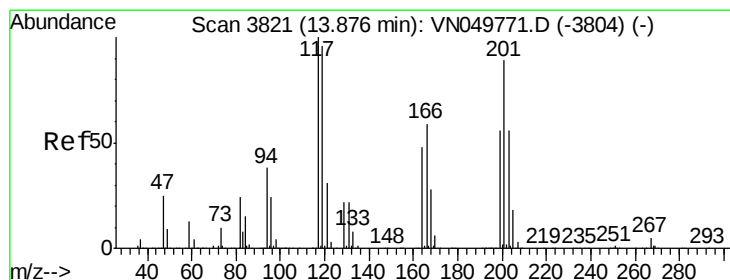
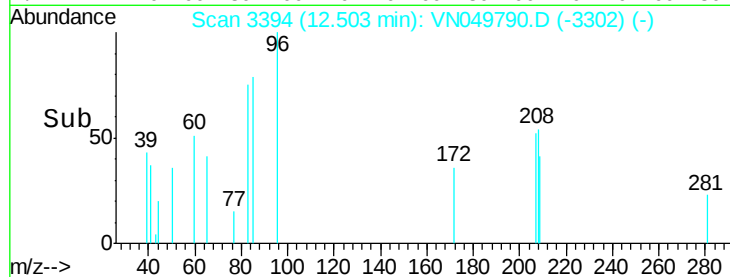
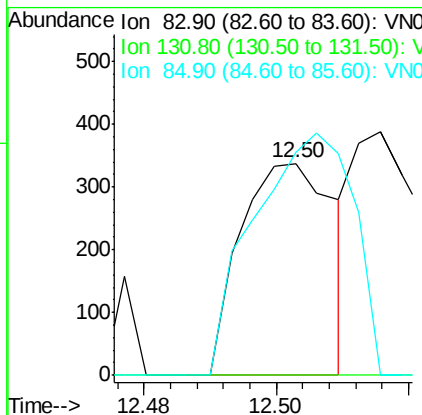
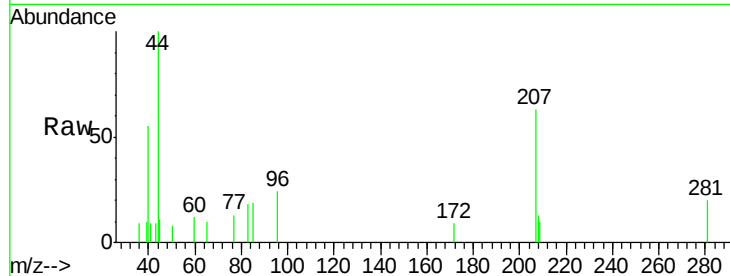
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	83	Resp:	330
Ion Ratio	Lower	Upper	
83	100		
131	0.0	5.2	15.6#
85	122.7	32.5	97.4#

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#90

Hexachloroethane

Concen: Below Cal

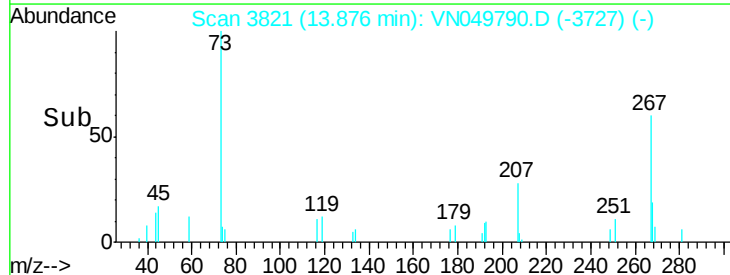
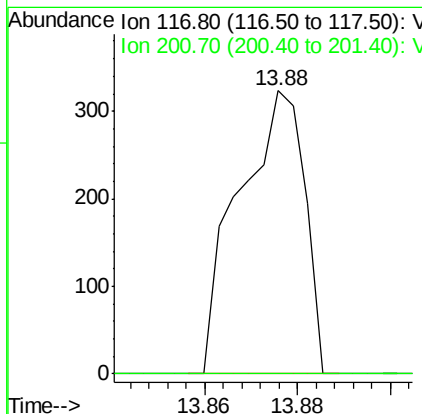
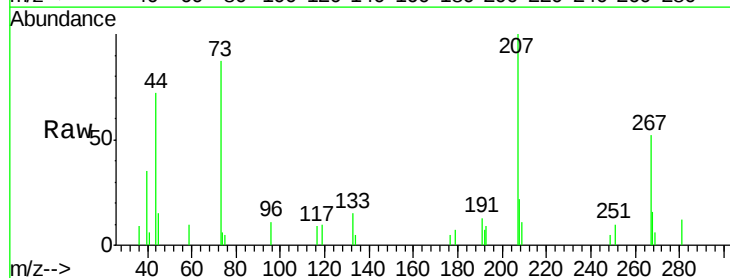
RT: 13.88 min Scan# 3821

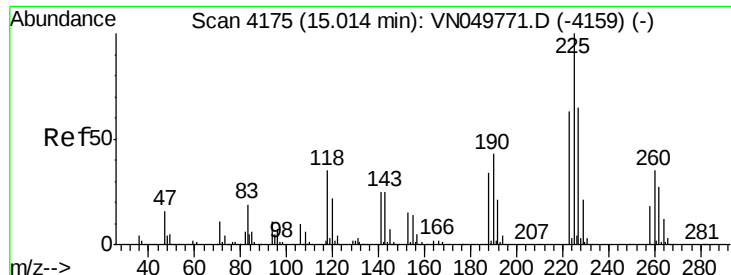
Delta R.T. 0.00 min

Lab File: VN049790.D

Acq: 13 Jul 2018 12:14

Tgt Ion:	117	Resp:	319
Ion Ratio	Lower	Upper	
117	100		
201	0.0	45.3	135.8#





#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4177
 Delta R.T. 0.01 min
 Lab File: VN049790.D
 Acq: 13 Jul 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:	225	Resp:	355
Ion Ratio	Lower	Upper	
225	100		
223	69.9	30.9	92.7
227	36.6	31.8	95.4

Manual Integrations
 APPROVED

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