

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049793.D
 Acq On : 13 Jul 2018 13:32
 Operator : MD\SY
 Sample : J3762-09 MDL 0.5ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Manual Integrations
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MMDadoda
 7/16/2018 11:25:26 AM

Quant Time: Jul 16 04:00:58 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	1069895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1688634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1450626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	555599	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	690931	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
35) Dibromofluoromethane	7.59	113	657061	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.09	98	1973867	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
62) 4-Bromofluorobenzene	12.40	95	599412	38.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.04%	
Target Compounds						
2) Dichlorodifluoromethane	1.85	85	7111	Below Cal		84
3) Chloromethane	2.06	50	10786	Below Cal		98
5) Bromomethane	2.57	94	9746	Below Cal		83
16) Acetone	3.83	43	11757	1.78	ug/l	90
17) Carbon Disulfide	4.05	76	23980	0.38	ug/l	100
41) Methacrylonitrile	7.18	41	2758	0.42	ug/l #	75
49) 1,4-Dioxane	9.20	88	1603	11.82	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.51	83	9123	Below Cal		92
81) trans-1,4-Dichloro-2-buten	12.30	75	1705m	0.56	ug/l	
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1356	0.35	ug/l	75
94) Hexachlorobutadiene	15.01	225	4695	Below Cal		96
96) 1,2,3-Trichlorobenzene	15.31	180	4976	0.50	ug/l	93

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

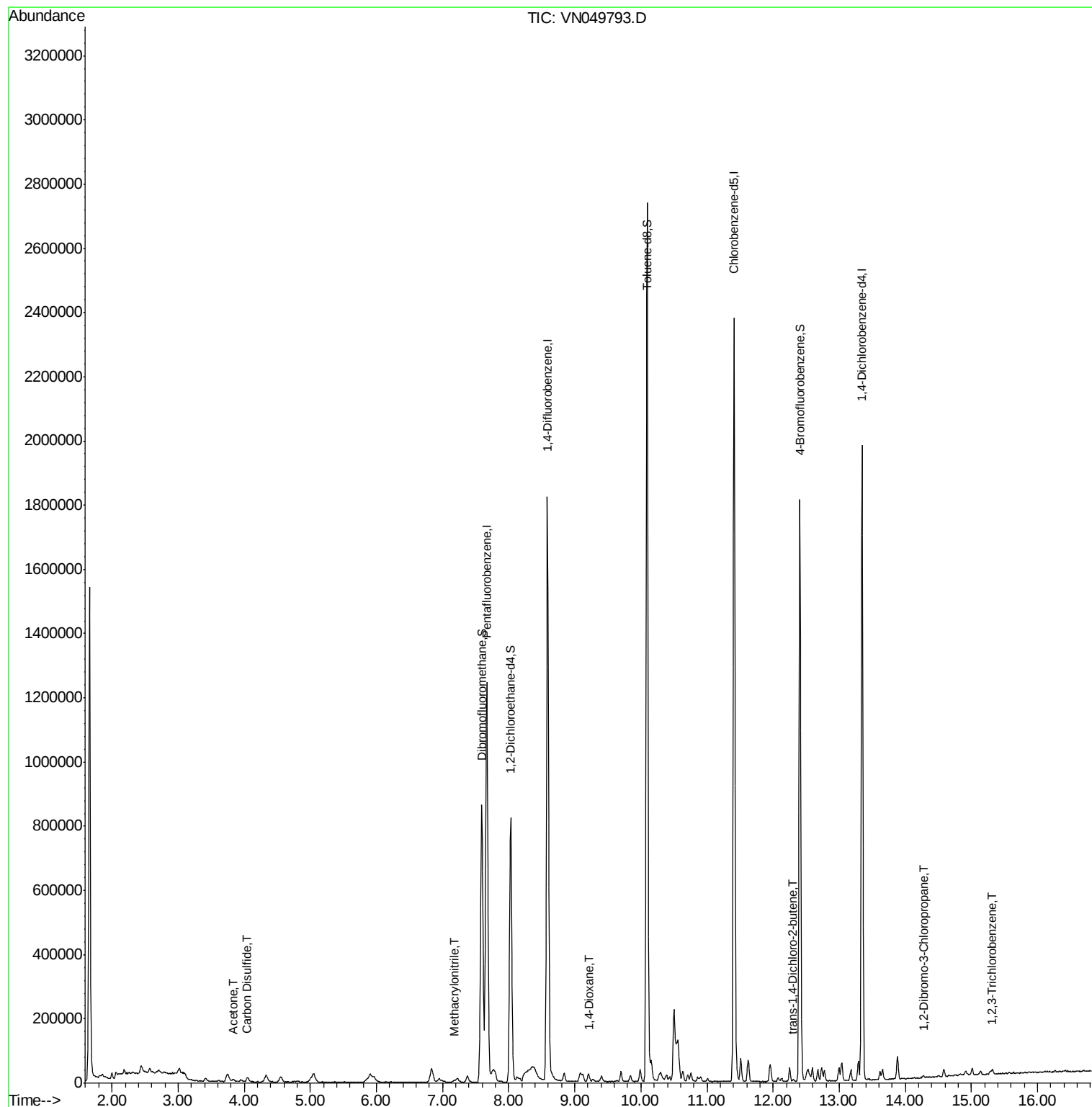
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071318\
Data File : VN049793.D
Acq On : 13 Jul 2018 13:32
Operator : MD\SY
Sample : J3762-09 MDL 0.5ppb
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

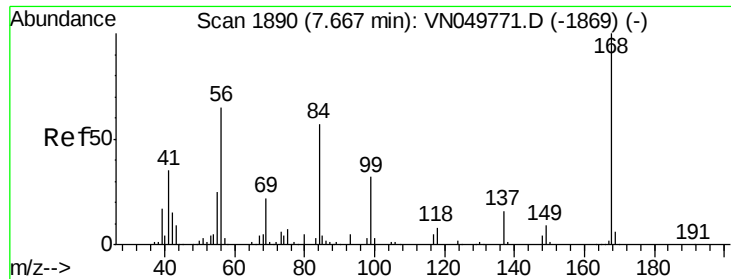
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2018

Manual Integrations
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Quant Time: Jul 16 04:00:58 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# 1891

Delta R.T. 0.00 min

Lab File: VN049793.D

Acq: 13 Jul 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:168 Resp: 1069895

Ion Ratio Lower Upper

168 100

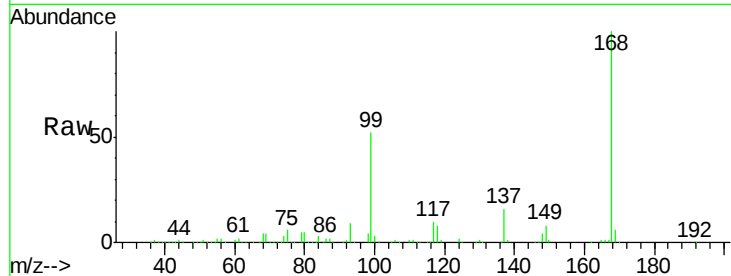
99 51.3 40.6 61.0

Manual Integrations

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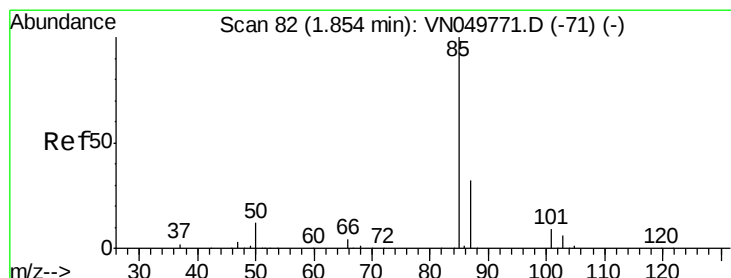
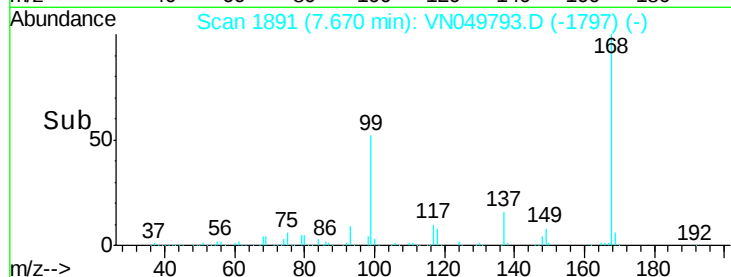
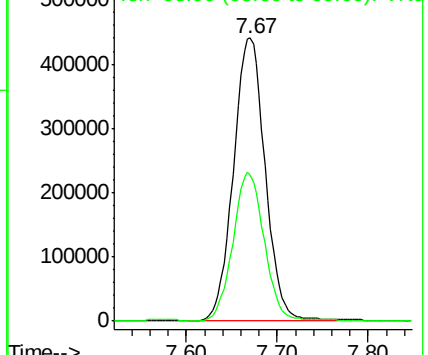
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049793.D

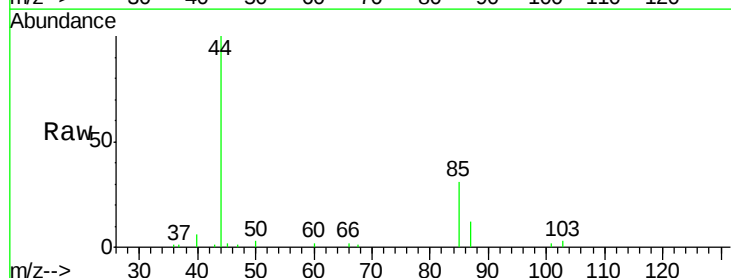
Acq: 13 Jul 2018 13:32

Tgt Ion: 85 Resp: 7111

Ion Ratio Lower Upper

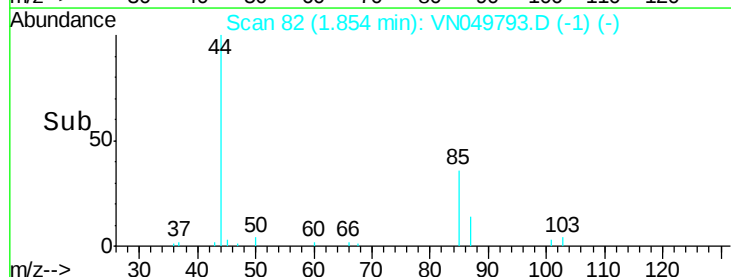
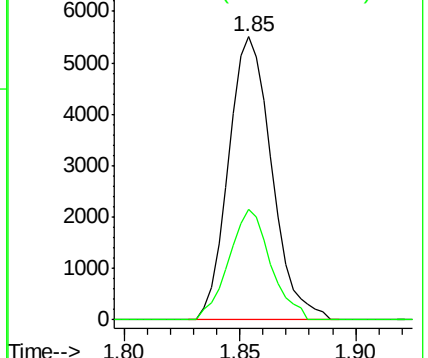
85 100

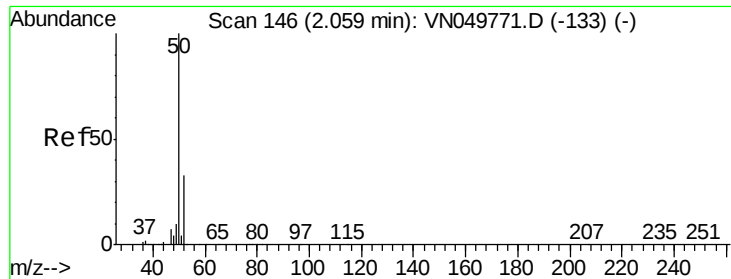
87 39.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049793.D

Acq: 13 Jul 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 50 Resp: 10786

Ion Ratio Lower Upper

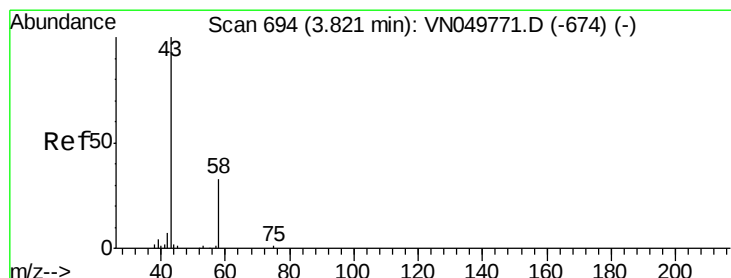
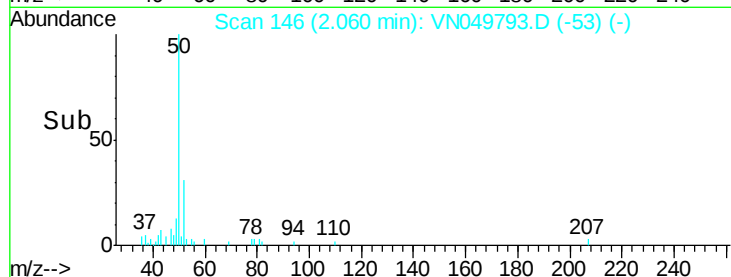
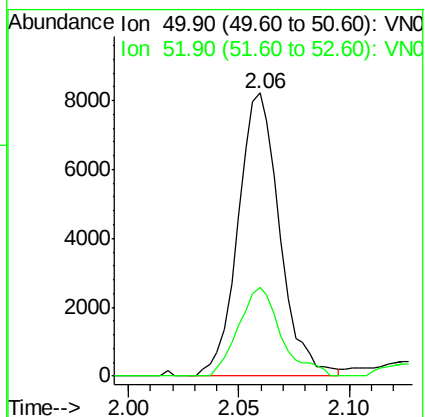
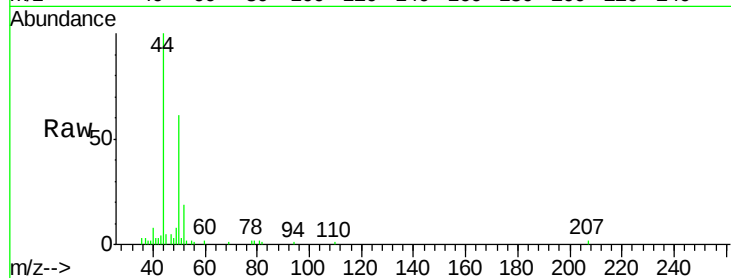
50 100

52 31.4 26.1 39.1

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#16

Acetone

Concen: 1.78 ug/l

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN049793.D

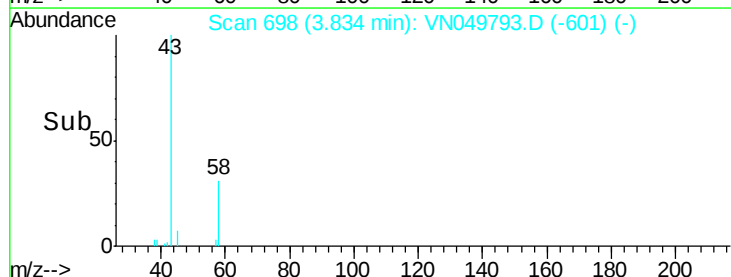
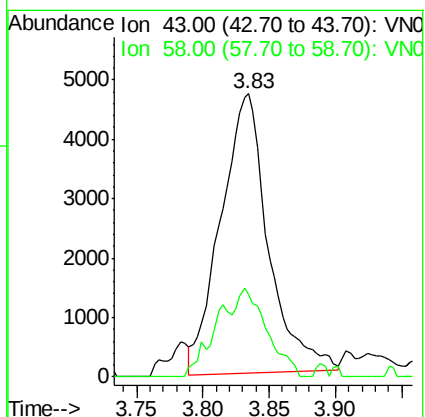
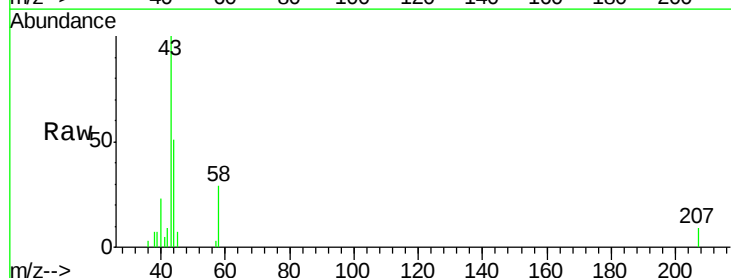
Acq: 13 Jul 2018 13:32

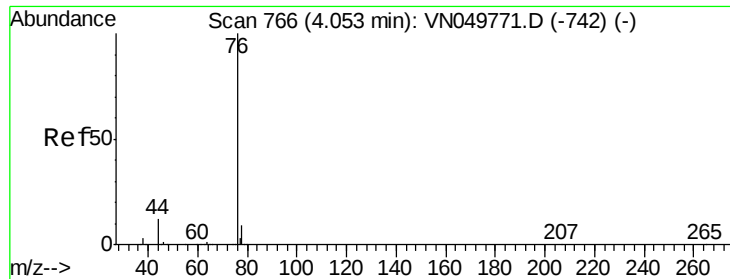
Tgt Ion: 43 Resp: 11757

Ion Ratio Lower Upper

43 100

58 26.7 25.9 38.9





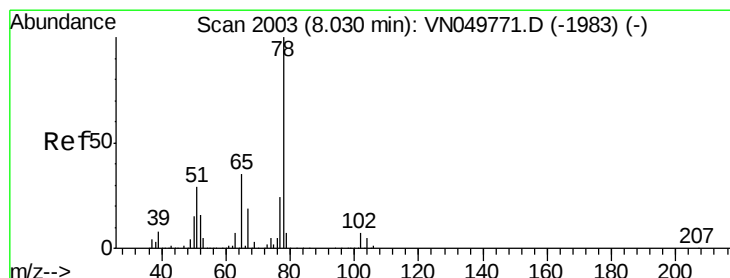
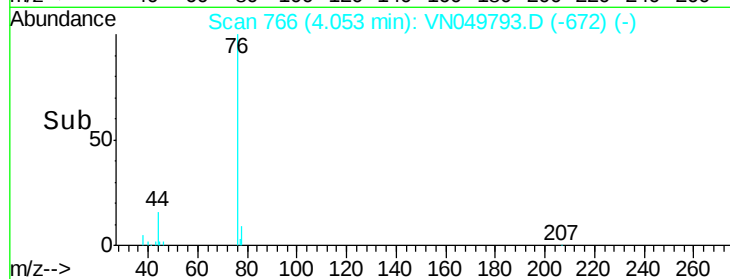
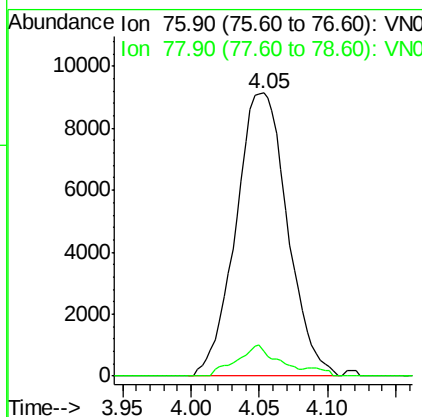
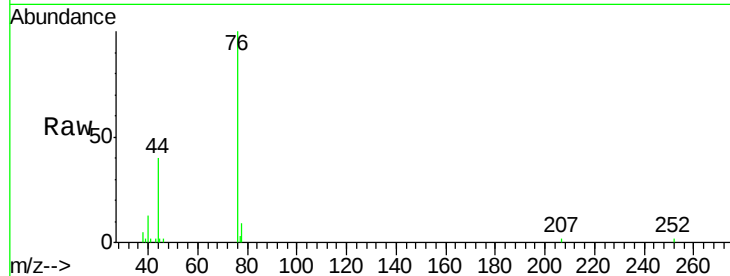
#17
Carbon Disulfide
Concen: 0.38 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049793.D
Acq: 13 Jul 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

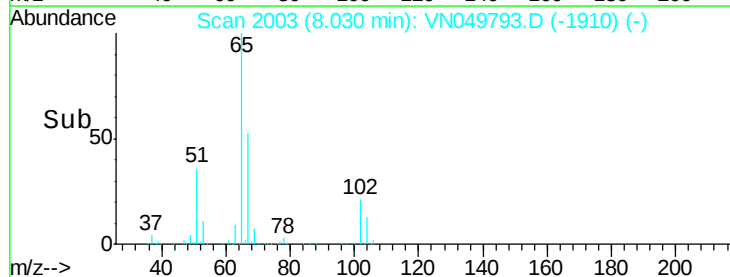
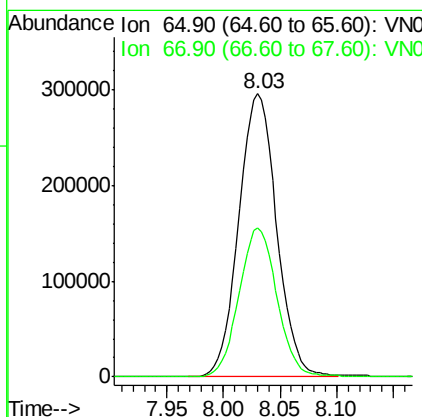
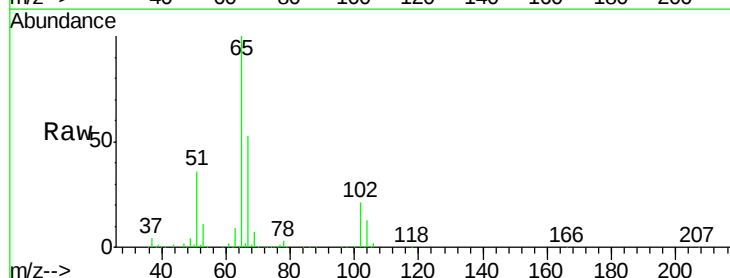
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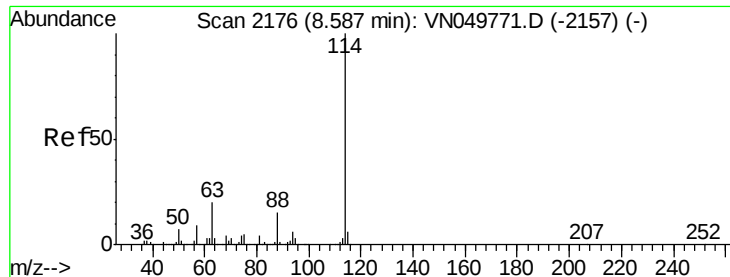
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#33
1,2-Dichloroethane-d4
Concen: 55.51 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049793.D
Acq: 13 Jul 2018 13:32

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.2





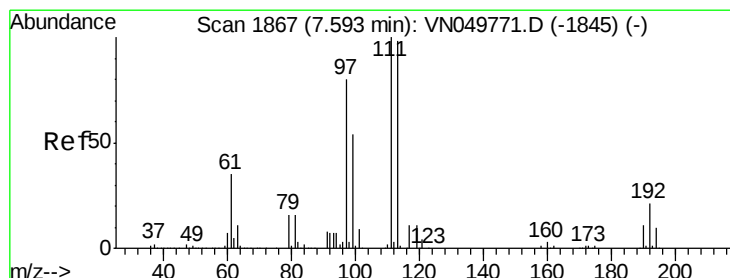
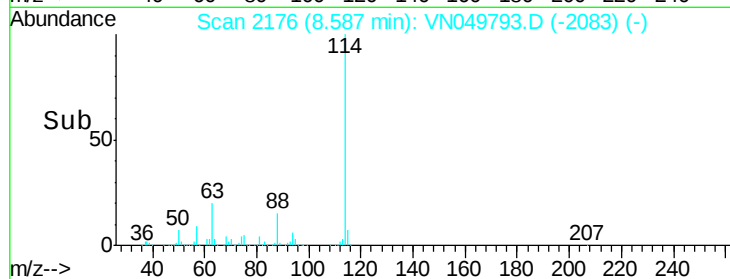
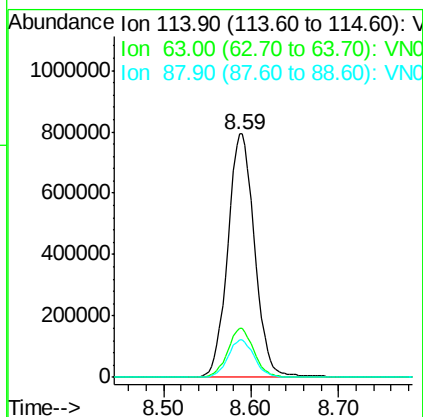
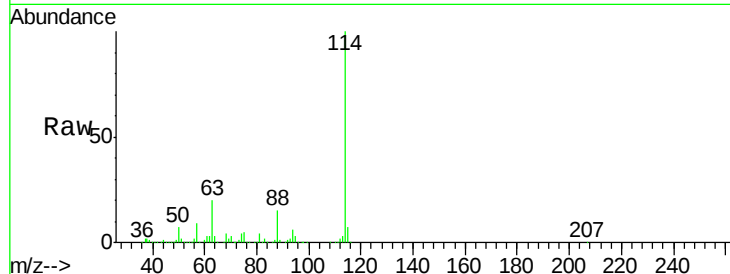
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049793.D
 Acq: 13 Jul 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.8
88	15.4	0.0	30.6

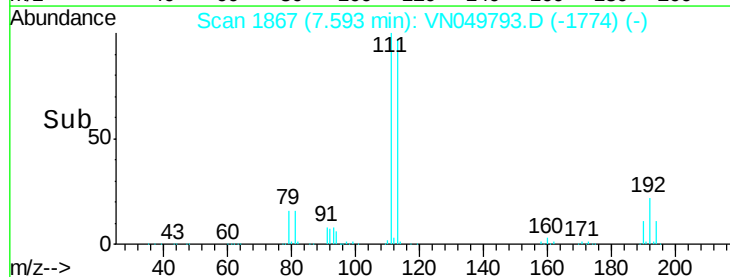
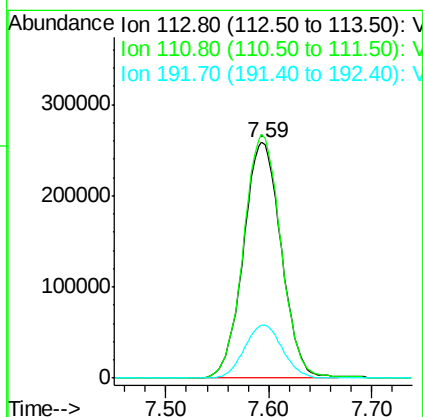
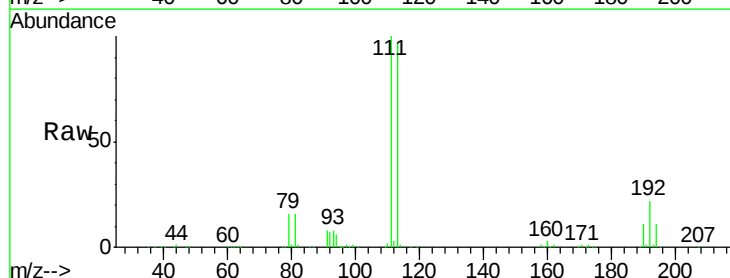
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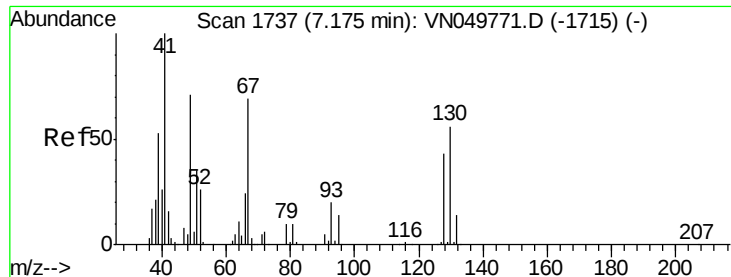
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#35
 Dibromofluoromethane
 Concen: 51.62 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049793.D
 Acq: 13 Jul 2018 13:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	22.8	17.8	26.6





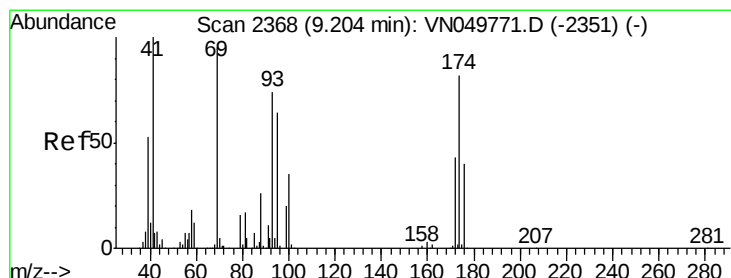
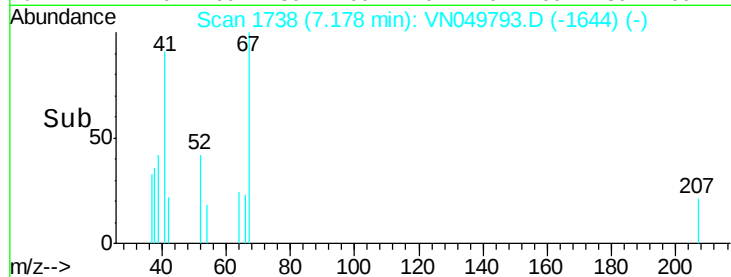
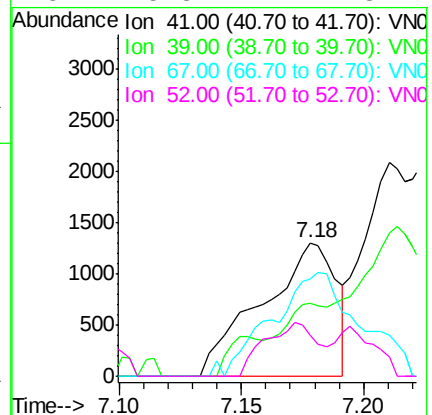
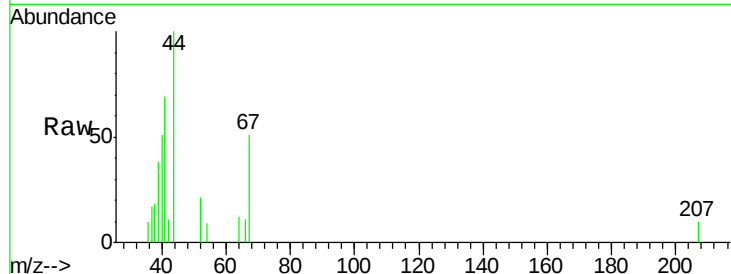
#41
Methacrylonitrile
Concen: 0.42 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049793.D
Acq: 13 Jul 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		2758		
39	16.1	45.4	68.2#		
67	91.7	65.4	98.0		
52	28.3	24.7	37.1		

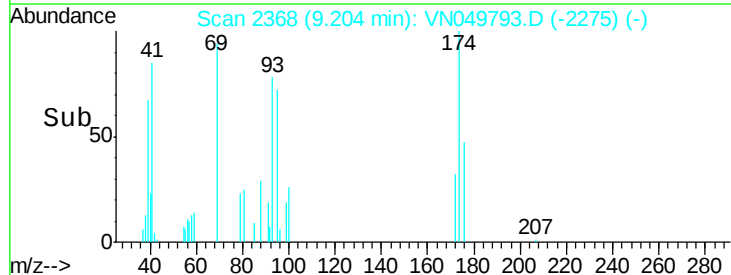
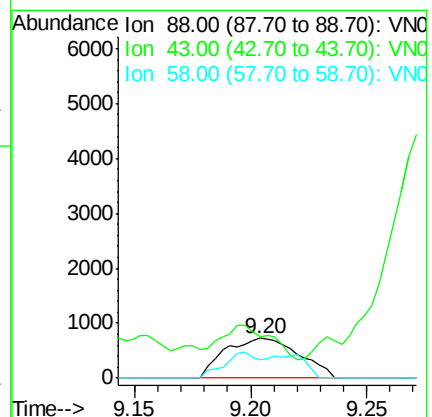
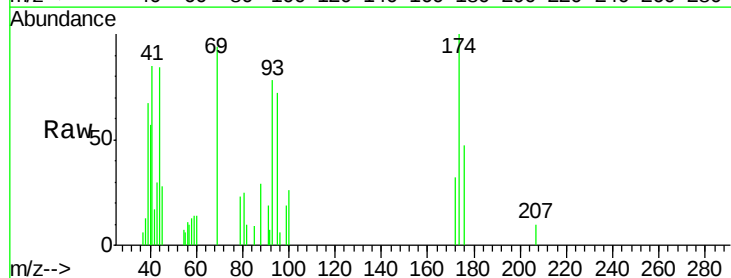
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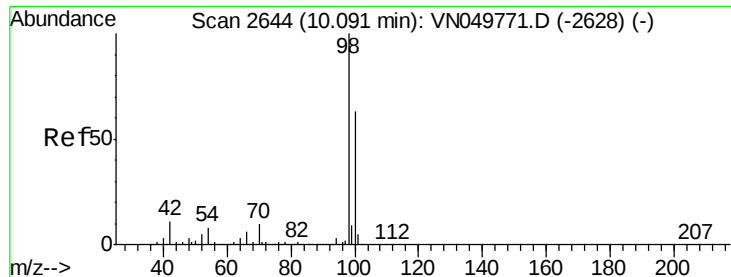
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#49
1,4-Dioxane
Concen: 11.82 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049793.D
Acq: 13 Jul 2018 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
88	100		1603		
43	58.8	25.1	37.7#		
58	29.6	52.5	78.7#		





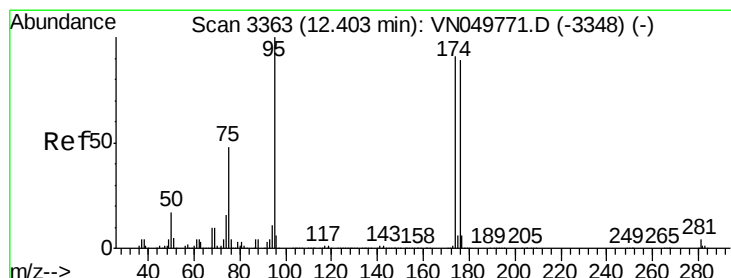
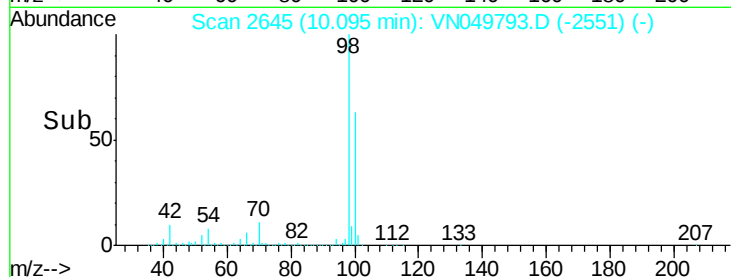
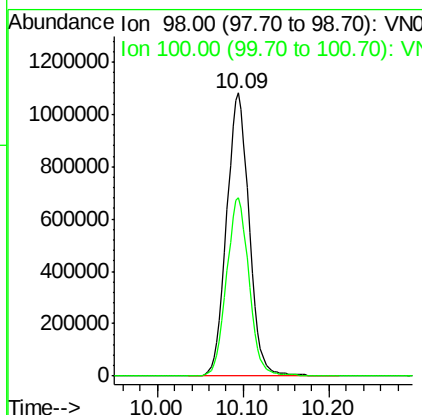
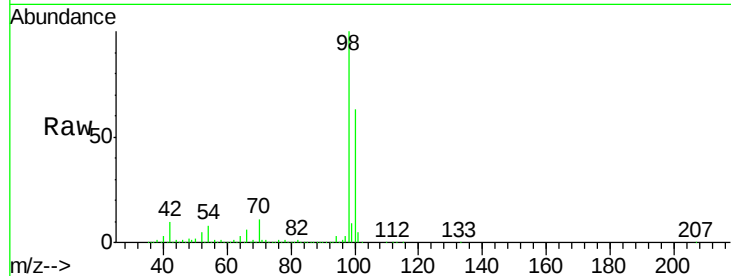
#50
Toluene-d8
Concen: 45.30 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049793.D
Acq: 13 Jul 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion: 98 Resp: 1973867
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5

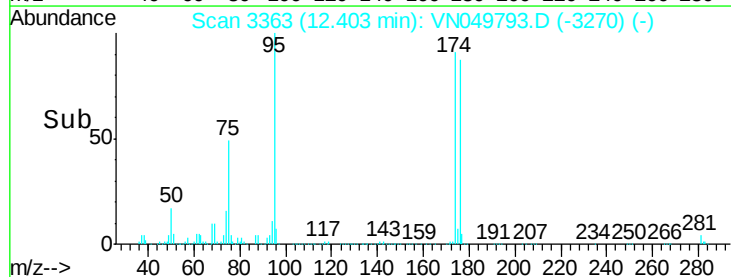
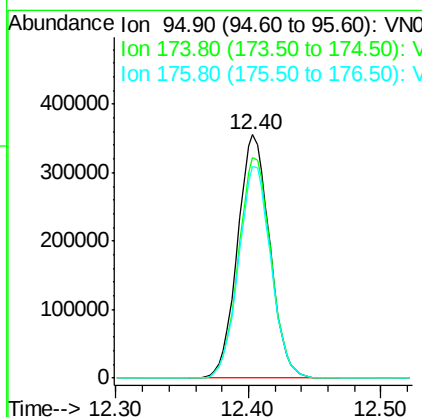
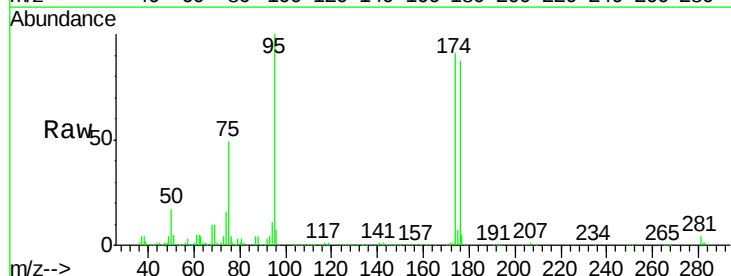
Manual Integrations
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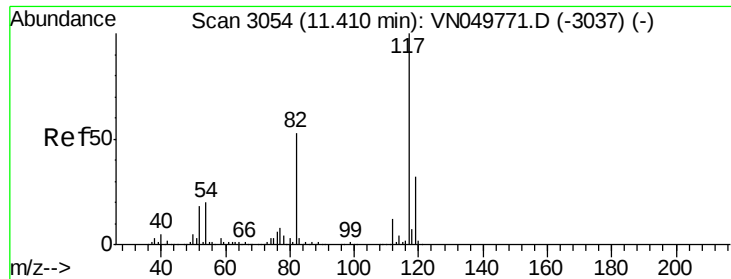
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#62
4-Bromofluorobenzene
Concen: 38.52 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049793.D
Acq: 13 Jul 2018 13:32

Tgt Ion: 95 Resp: 599412
Ion Ratio Lower Upper
95 100
174 91.8 0.0 179.6
176 87.5 0.0 174.0





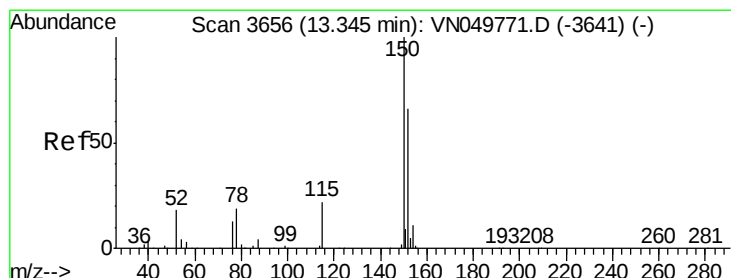
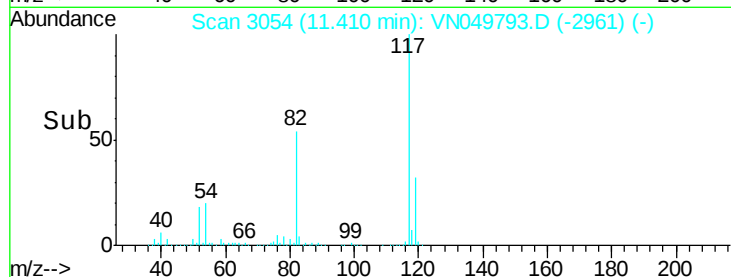
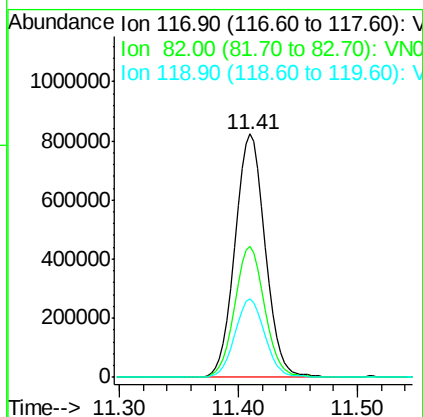
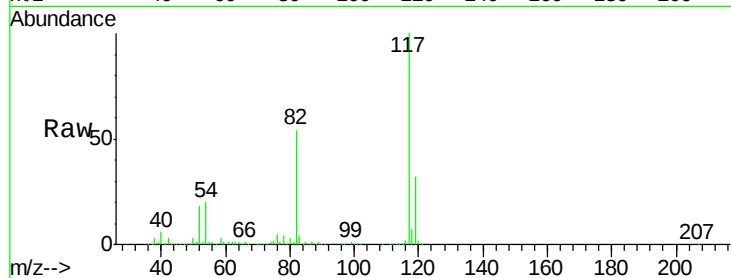
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049793.D
Acq: 13 Jul 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	41.9	62.9
119	32.1	25.4	38.2

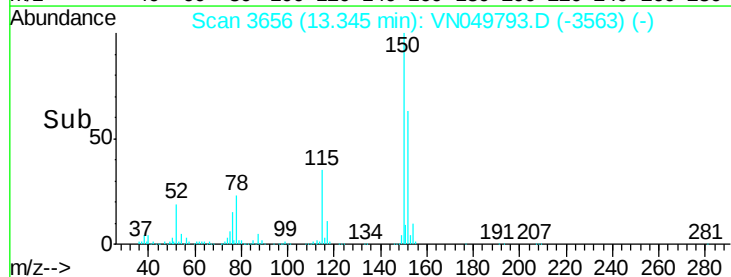
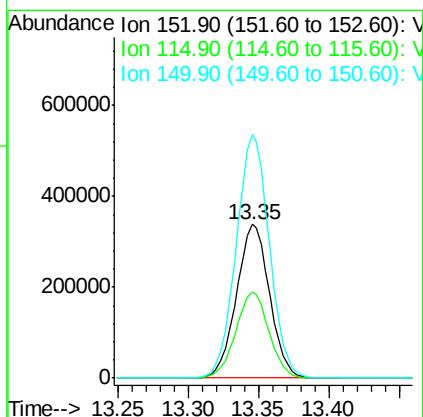
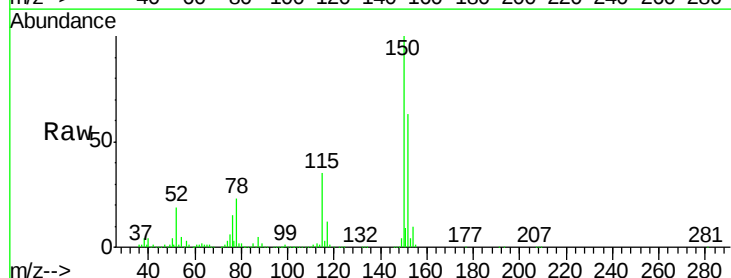
Manual Integrations
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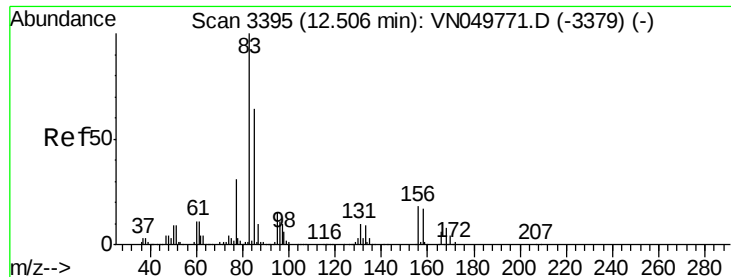
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049793.D
Acq: 13 Jul 2018 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.1	84.2
150	158.2	0.0	347.6





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049793.D

Acq: 13 Jul 2018 13:32

Instrument :

MSVOA_N

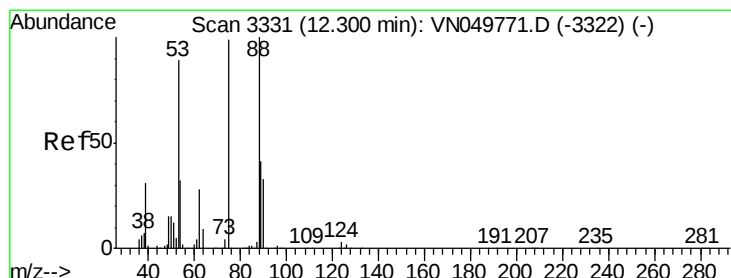
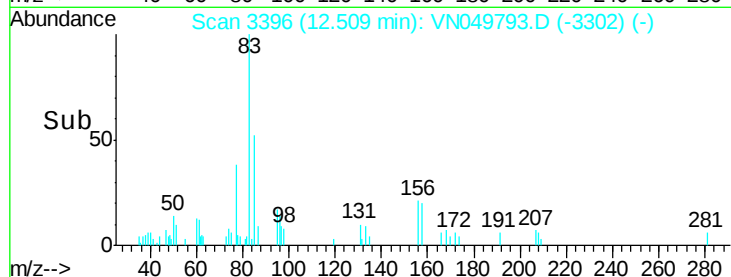
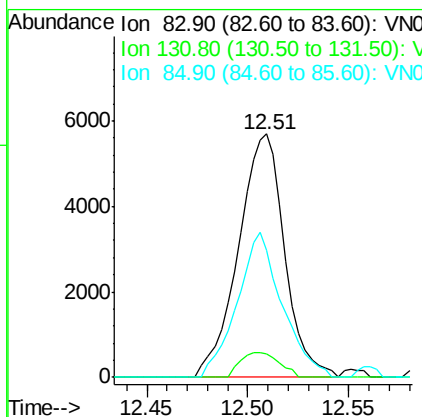
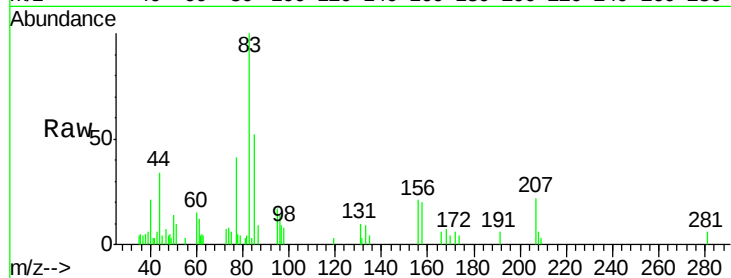
ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:	83	Resp:	9123
Ion Ratio	Lower	Upper	
83	100		
131	8.7	5.2	15.6
85	57.9	32.5	97.4

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#81

trans-1,4-Dichloro-2-butene

Concen: 0.56 ug/l m

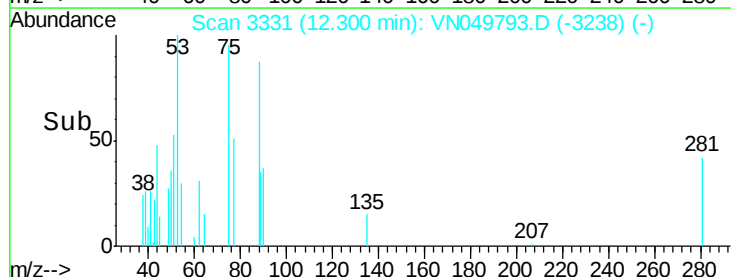
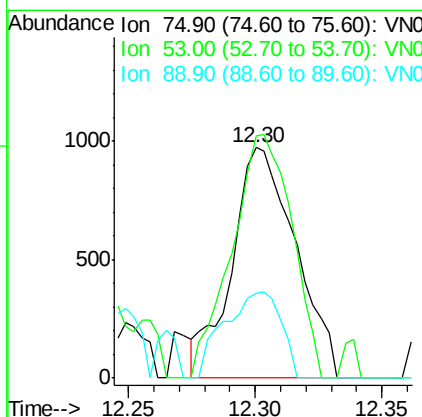
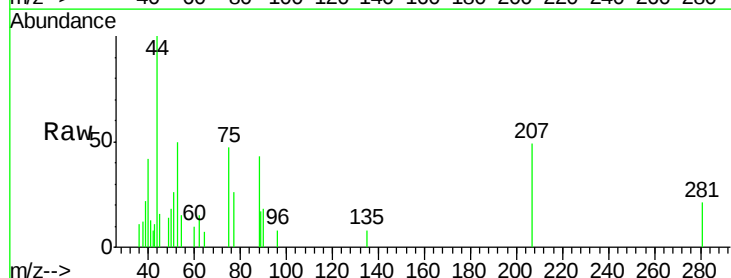
RT: 12.30 min Scan# 3331

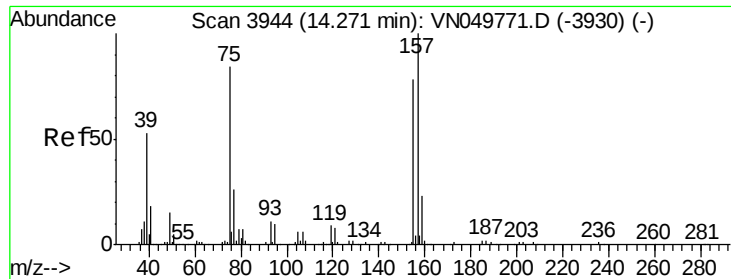
Delta R.T. 0.00 min

Lab File: VN049793.D

Acq: 13 Jul 2018 13:32

Tgt Ion:	75	Resp:	1705
Ion Ratio	Lower	Upper	
75	100		
53	23.0	73.9	110.9#
89	4.5	35.9	53.9#





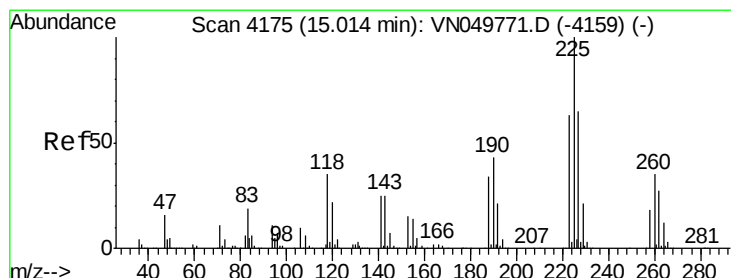
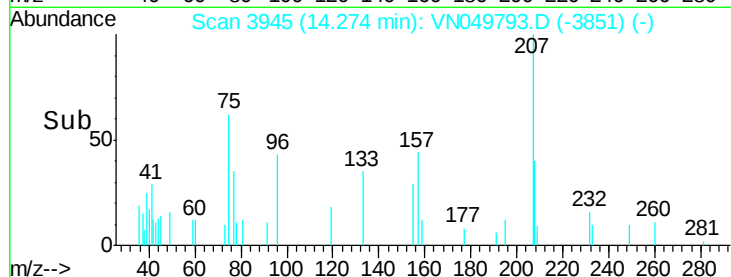
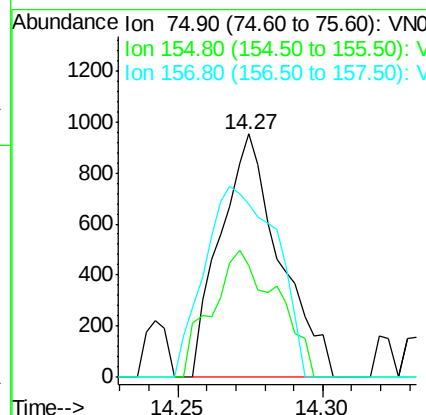
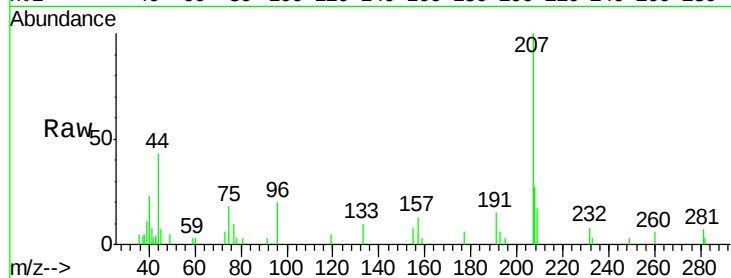
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.35 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049793.D
 Acq: 13 Jul 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion: 75 Resp: 1356
 Ion Ratio Lower Upper
 75 100
 155 57.4 45.7 137.1
 157 95.3 56.9 170.7

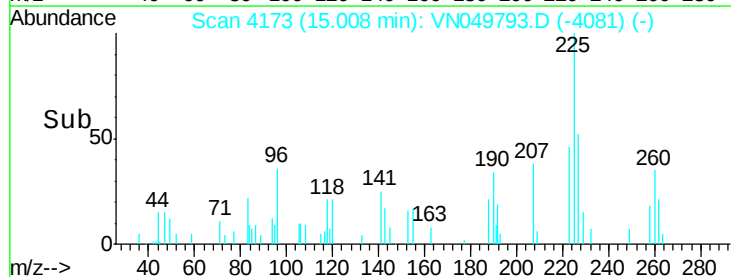
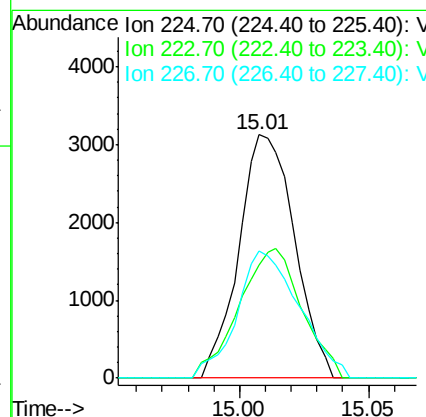
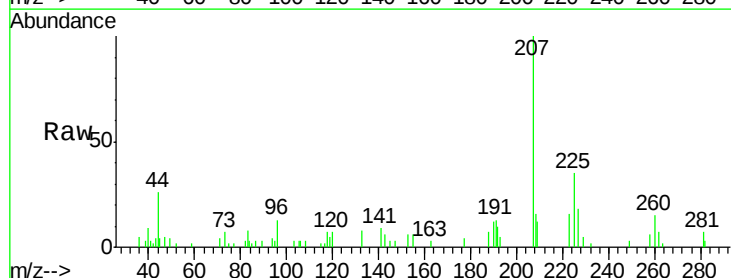
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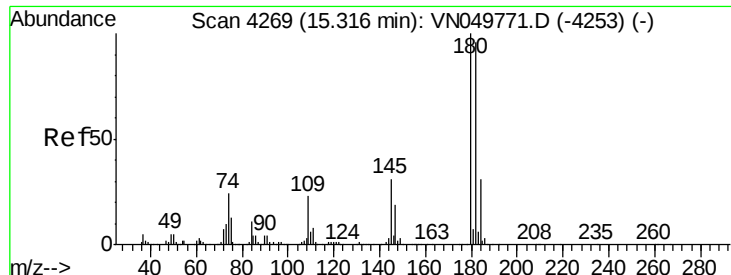
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#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4173
 Delta R.T. -0.01 min
 Lab File: VN049793.D
 Acq: 13 Jul 2018 13:32

Tgt Ion: 225 Resp: 4695
 Ion Ratio Lower Upper
 225 100
 223 60.1 30.9 92.7
 227 58.7 31.8 95.4





#96
 1,2,3-Trichlorobenzene
 Concen: 0.50 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.00 min
 Lab File: VN049793.D
 Acq: 13 Jul 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.4	142.2
145	40.2	15.2	45.6

Manual Integrations
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