

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053900.D
 Acq On : 21 Feb 2019 18:44
 Operator : JC/SP
 Sample : K1349-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-021919-A

Manual Integrations
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MMDadoda
 2/22/2019 10:30:51 AM

Quant Time: Feb 22 02:45:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1050892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1009131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	393133	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	332487	53.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.62%	
35) Dibromofluoromethane	7.59	113	336089	48.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.46%	
50) Toluene-d8	10.09	98	1337328	53.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.40	95	427789	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	
Target Compounds						
16) Acetone	3.82	43	30042	17.679	ug/l	100
20) Methylene Chloride	4.55	84	126565	19.894	ug/l	96
25) 2-Butanone	6.84	43	4327m	1.973	ug/l	
29) Tetrahydrofuran	7.22	42	1420	1.001	ug/l #	84
43) Isopropyl Acetate	8.17	43	32803	3.193	ug/l #	90
52) Toluene	10.16	92	25050	1.484	ug/l	99
95) Naphthalene	15.13	128	25178	6.077	ug/l	99

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

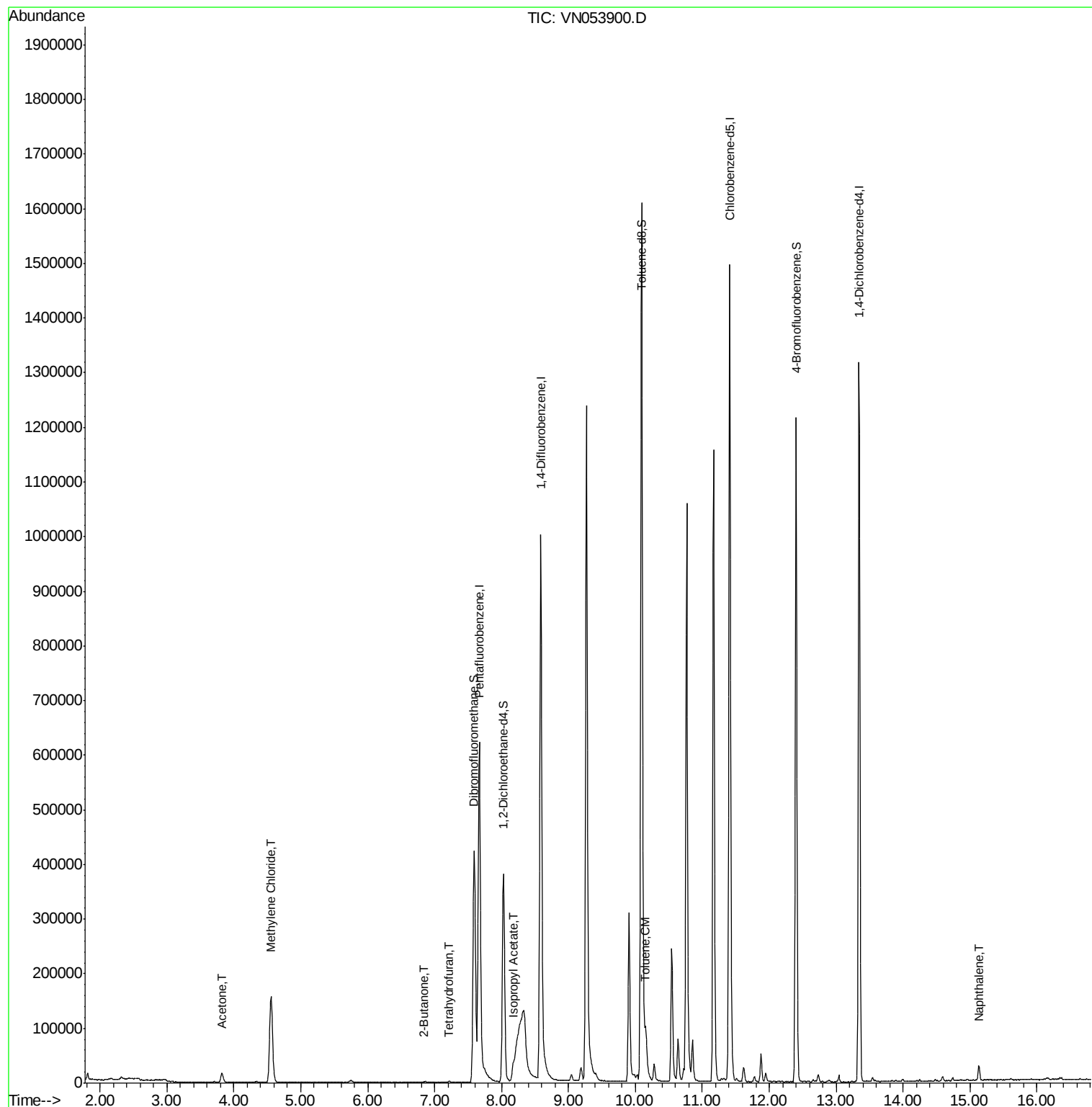
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022119\
Data File : VN053900.D
Acq On : 21 Feb 2019 18:44
Operator : JC/SP
Sample : K1349-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

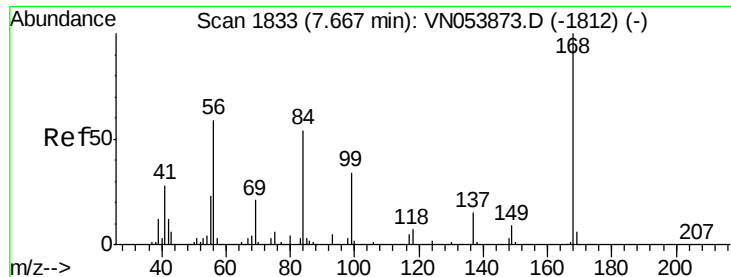
Instrument :
MSVOA_N
ClientSampleId :
OR-02-021919-A

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Quant Time: Feb 22 02:45:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053900.D

Acq: 21 Feb 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

OR-02-021919-A

Tot Ion:168 Resp: 604588

Ion Ratio Lower Upper

168 100

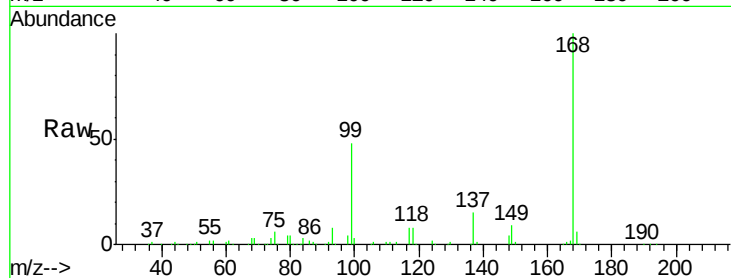
99 48.1 36.9 55.3

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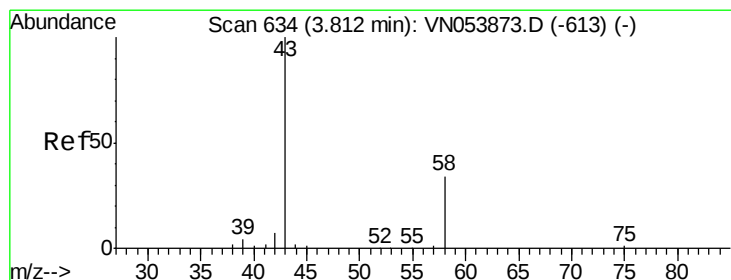
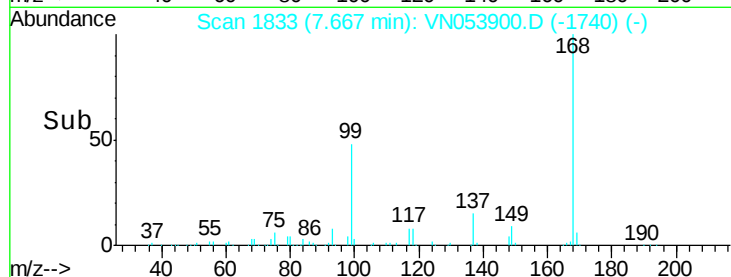
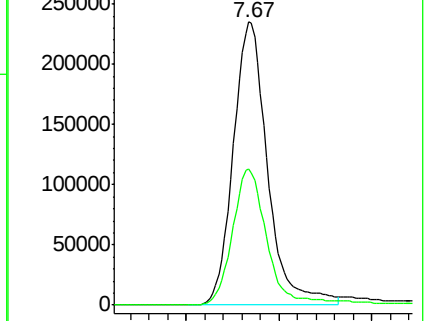
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 17.679 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053900.D

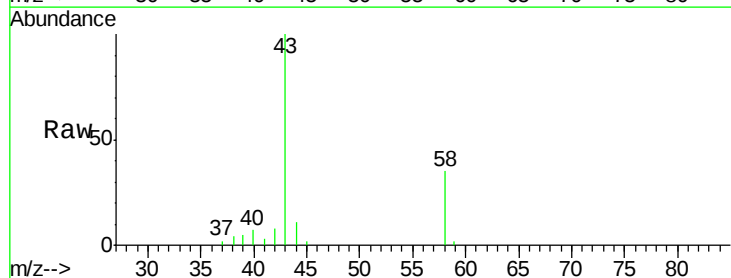
Acq: 21 Feb 2019 18:44

Tgt Ion: 43 Resp: 30042

Ion Ratio Lower Upper

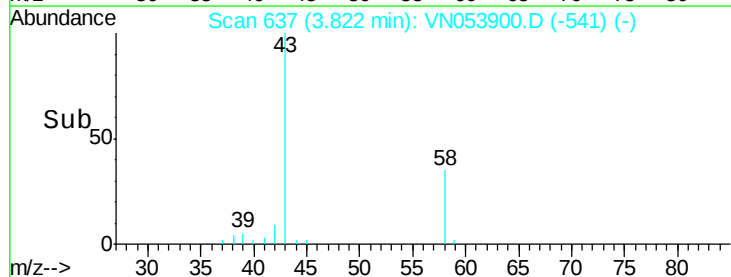
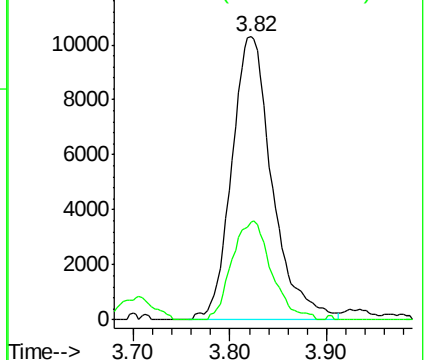
43 100

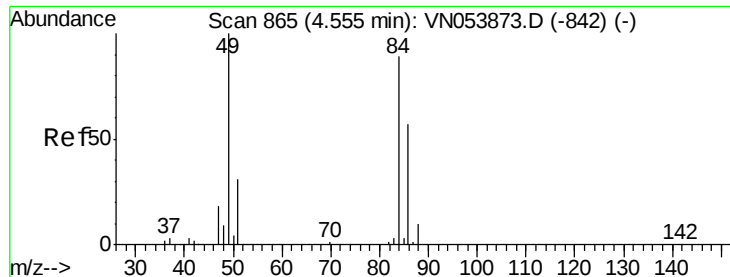
58 34.6 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





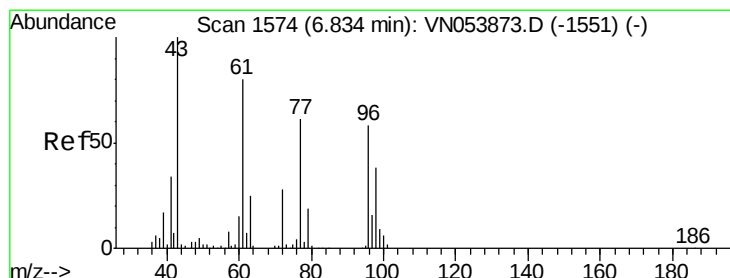
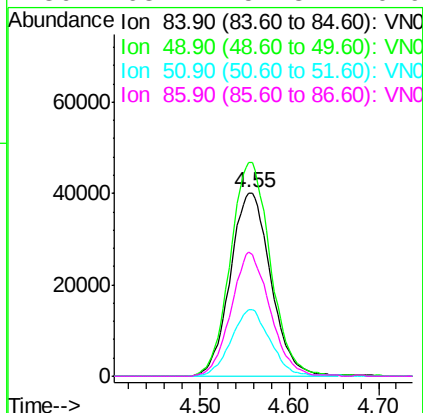
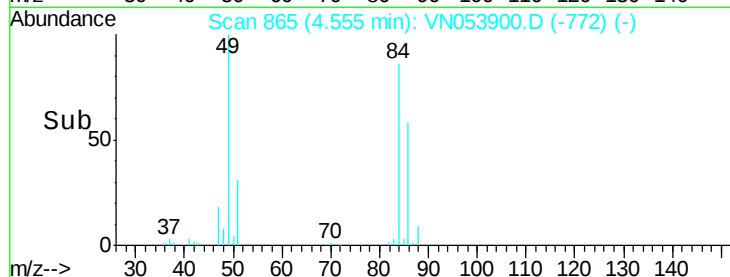
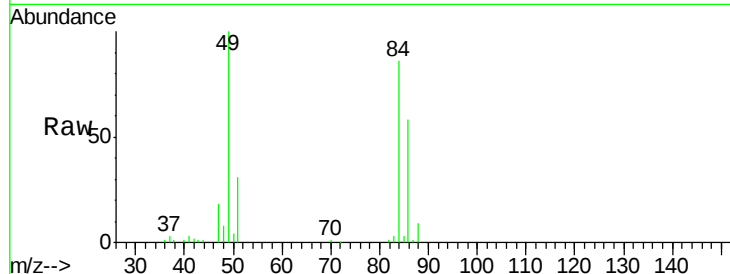
#20
Methvlene Chloride
Concen: 19.894 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053900.D
Acq: 21 Feb 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
OR-02-021919-A

Tot Ion	84	Resp	126565
Ion Ratio	Lower	Upper	
84	100		
49	116.6	89.7	134.5
51	36.1	27.8	41.8
86	68.1	51.3	76.9

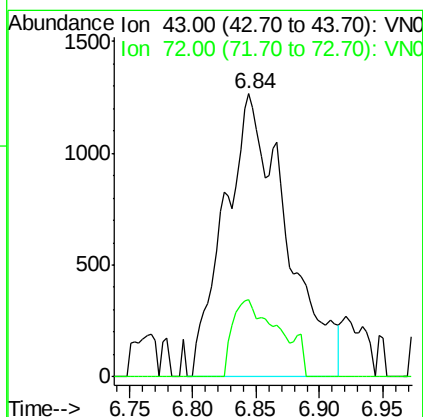
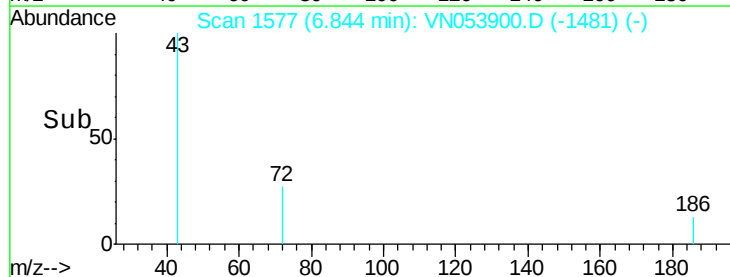
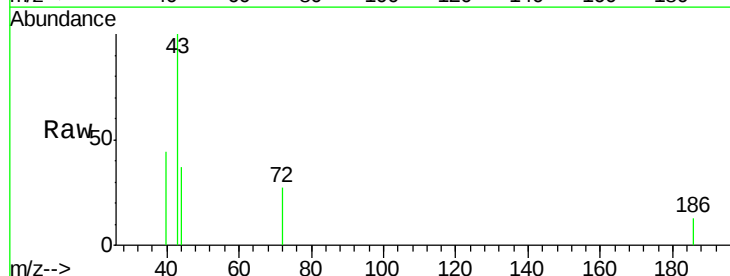
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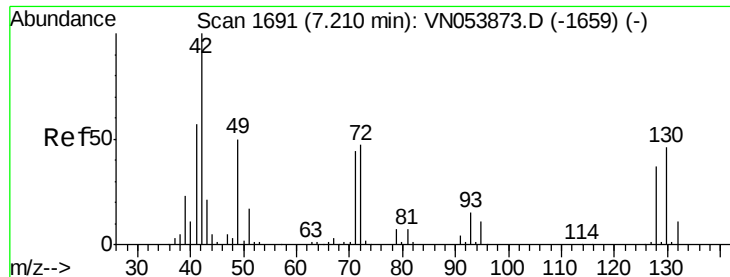
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#25
2-Butanone
Concen: 1.973 ug/l m
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN053900.D
Acq: 21 Feb 2019 18:44

Tgt Ion	43	Resp	4327
Ion Ratio	Lower	Upper	
43	100		
72	27.4	22.1	33.1





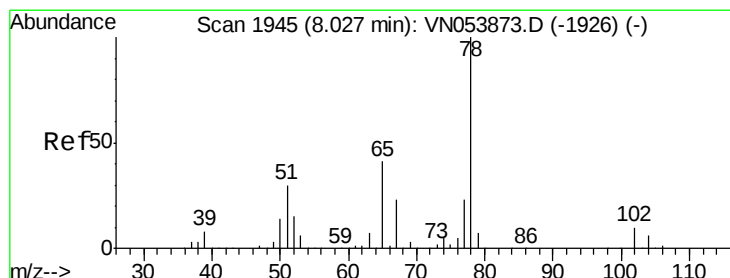
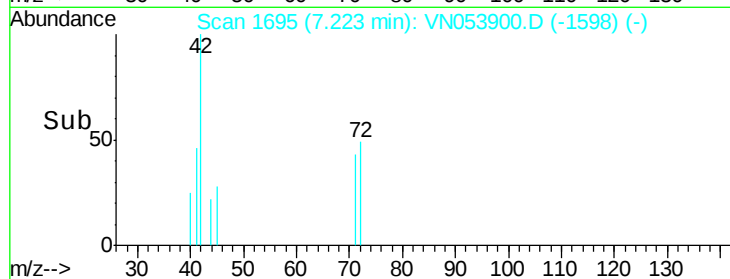
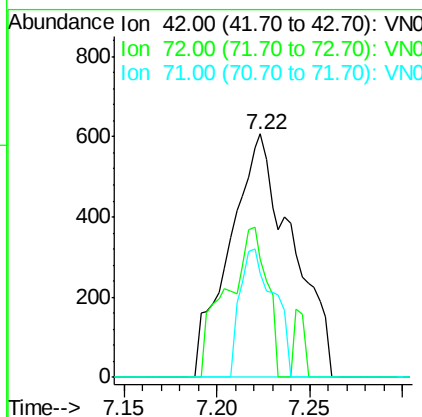
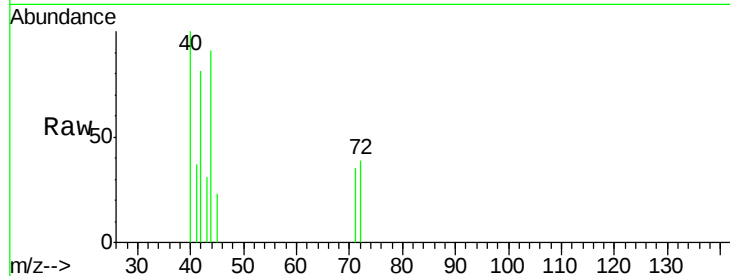
#29
Tetrahydrofuran
Concen: 1.001 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN053900.D
Acq: 21 Feb 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
OR-02-021919-A

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	36.9	55.3
71	28.7	34.6	52.0#

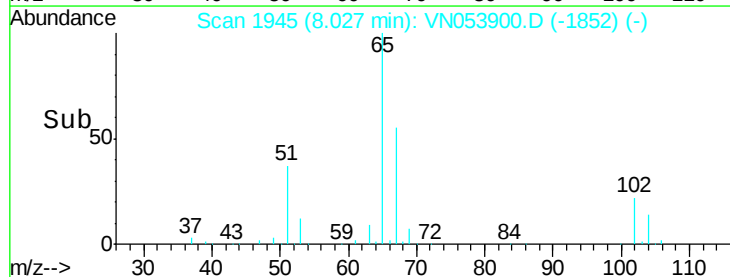
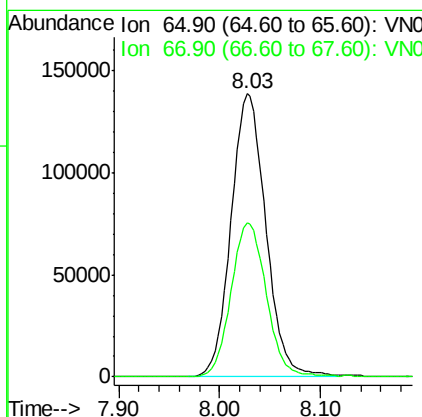
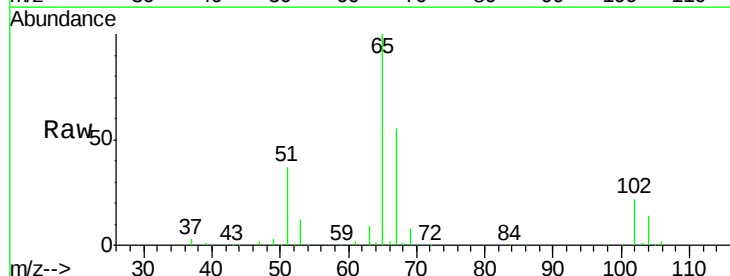
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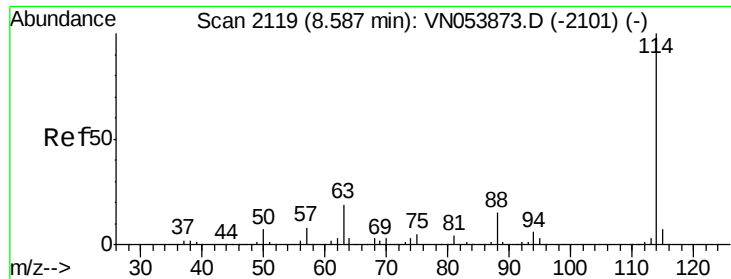
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#33
1,2-Dichloroethane-d4
Concen: 53.811 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053900.D
Acq: 21 Feb 2019 18:44

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	111.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053900.D

Acq: 21 Feb 2019 18:44

Instrument :

MSVOA_N

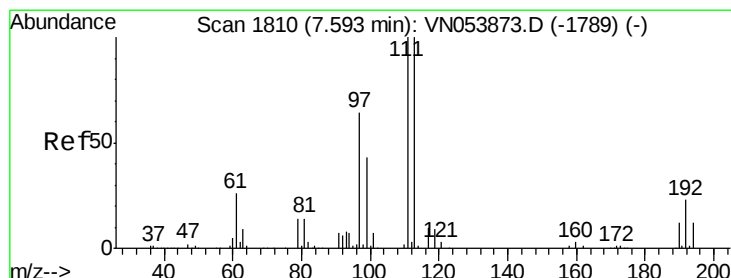
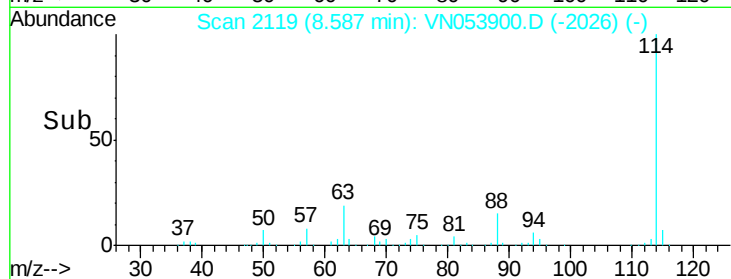
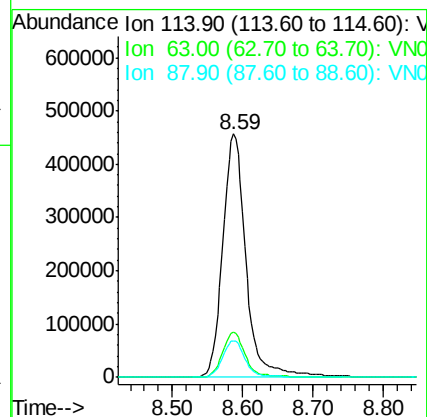
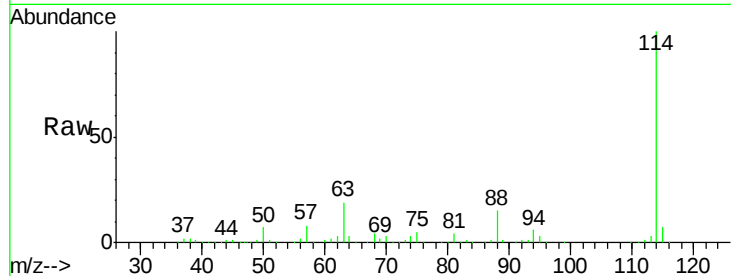
ClientSampleId :

OR-02-021919-A

Tot Ion:	114	Resp:	1050892
Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.4
88	15.1	0.0	30.4

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#35

Dibromofluoromethane

Concen: 48.731 ug/l

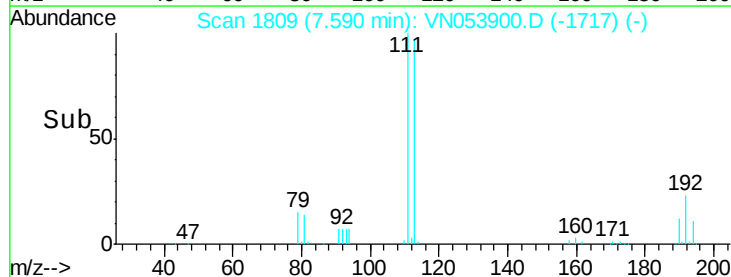
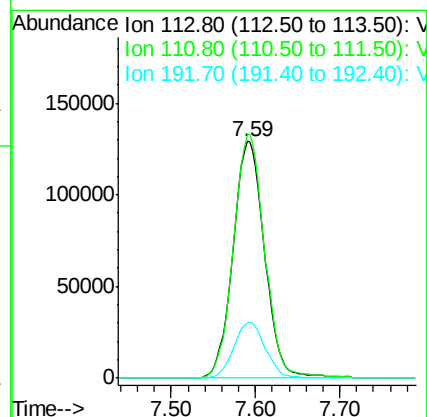
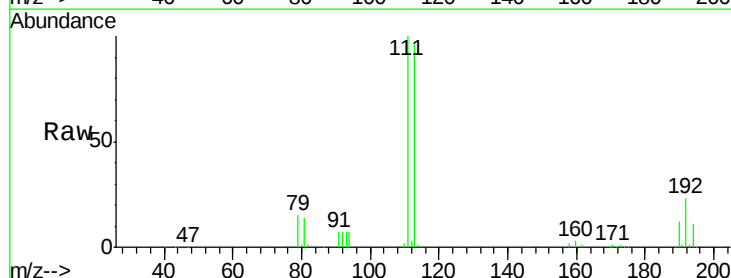
RT: 7.59 min Scan# 1809

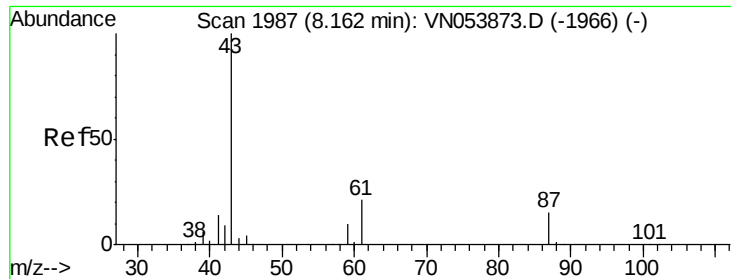
Delta R.T. -0.00 min

Lab File: VN053900.D

Acq: 21 Feb 2019 18:44

Tgt Ion:	113	Resp:	336089
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.1	121.7
192	23.8	18.8	28.2





#43

Isopropyl Acetate

Concen: 3.193 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053900.D

Acq: 21 Feb 2019 18:44

Instrument :

MSVOA_N

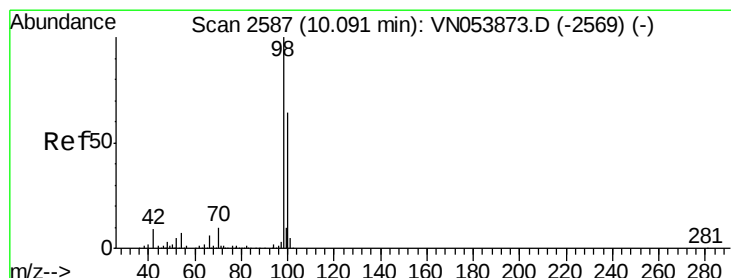
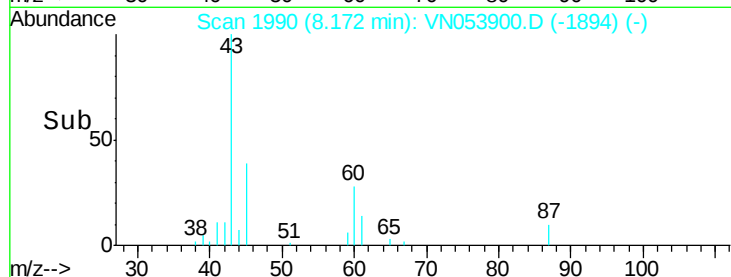
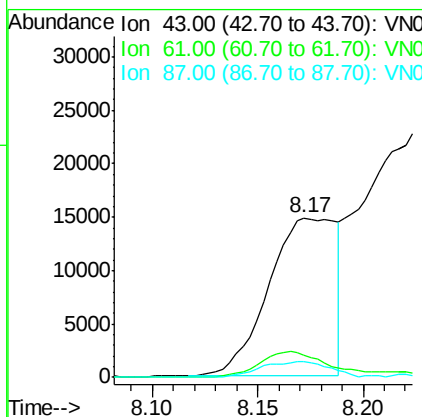
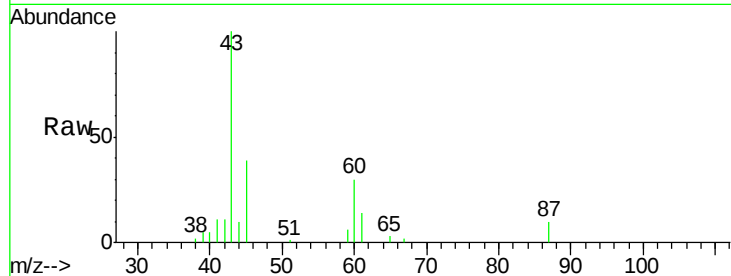
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OR-02-021919-A

Tot Ion:	43	Resp:	32803
Ion	Ratio	Lower	Upper
43	100		
61	16.8	17.4	26.0#
87	10.0	11.5	17.3#

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#50

Toluene-d8

Concen: 53.687 ug/l

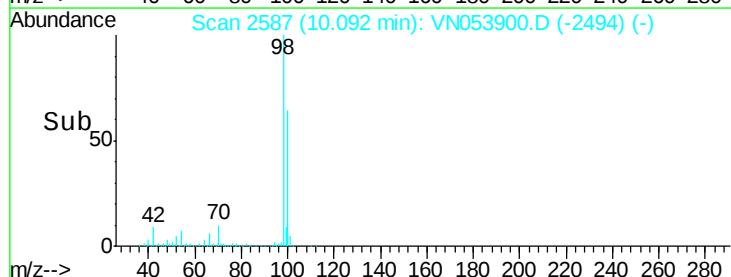
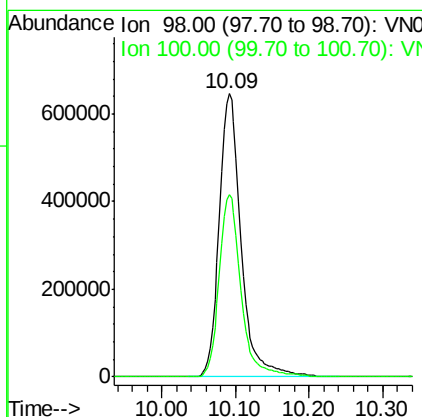
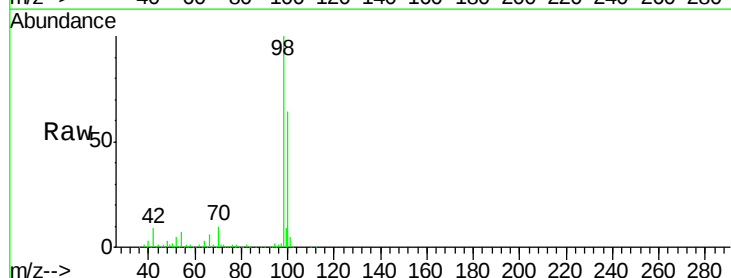
RT: 10.09 min Scan# 2587

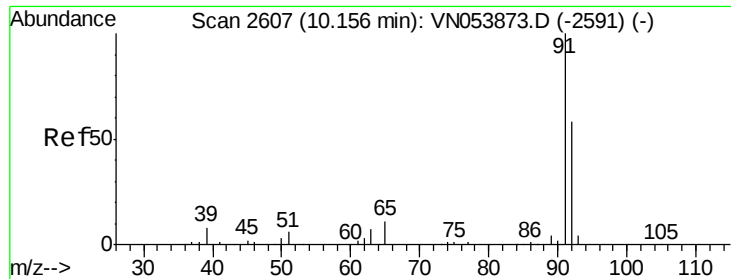
Delta R.T. 0.00 min

Lab File: VN053900.D

Acq: 21 Feb 2019 18:44

Tgt Ion:	98	Resp:	1337328
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.9	77.9





#52

Toluene

Concen: 1.484 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053900.D

Acq: 21 Feb 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

OR-02-021919-A

Tot Ion: 92 Resp: 25050

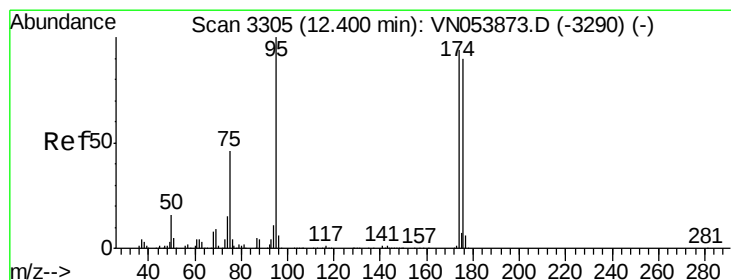
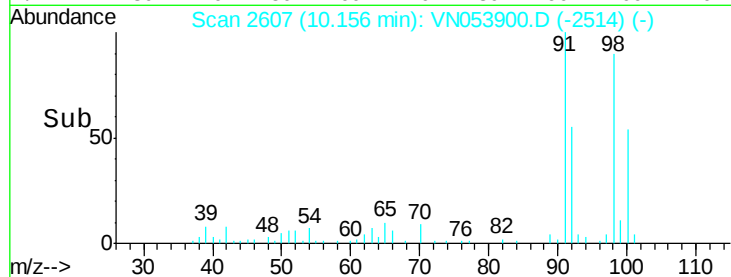
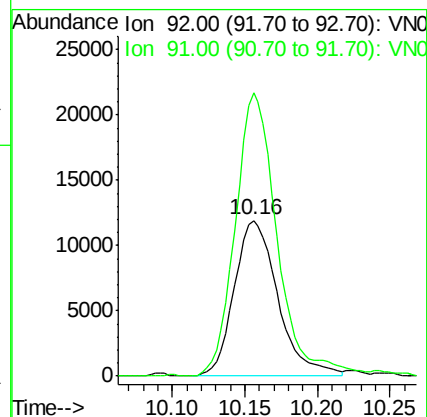
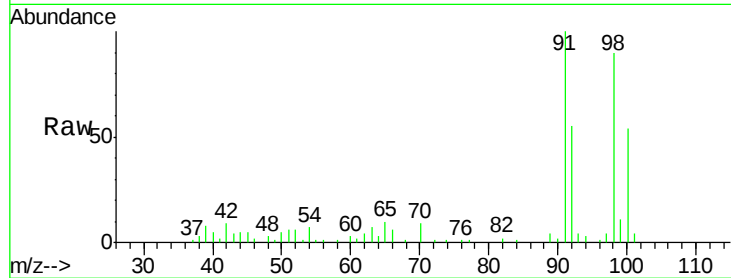
Ion Ratio Lower Upper

92 100

91 173.7 138.4 207.6

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#62

4-Bromofluorobenzene

Concen: 52.019 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053900.D

Acq: 21 Feb 2019 18:44

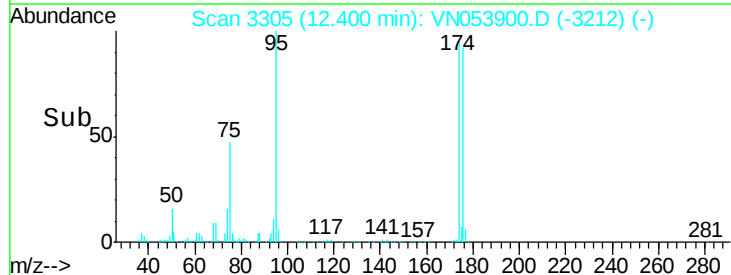
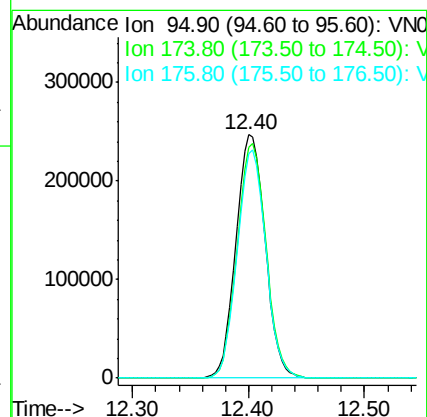
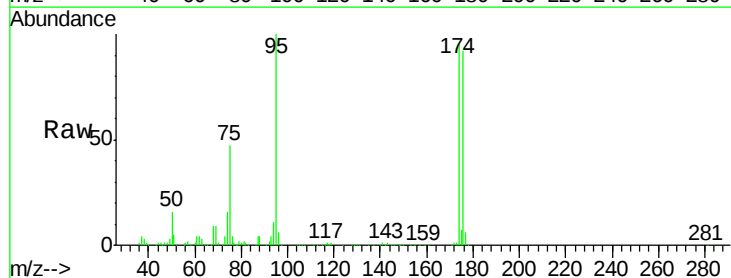
Tgt Ion: 95 Resp: 427789

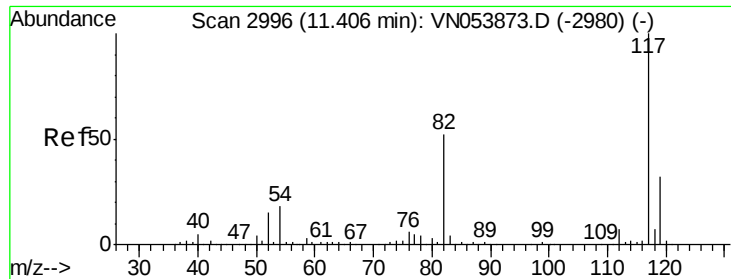
Ion Ratio Lower Upper

95 100

174 95.9 0.0 188.8

176 92.0 0.0 182.6





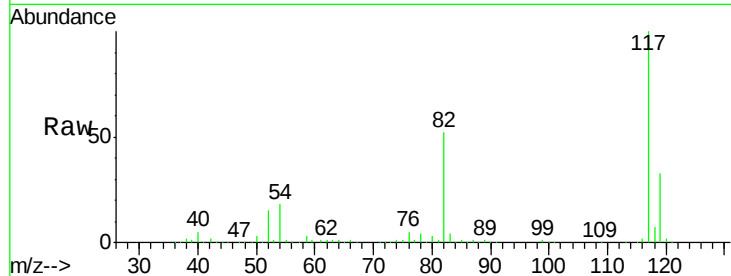
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053900.D
Acq: 21 Feb 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
OR-02-021919-A

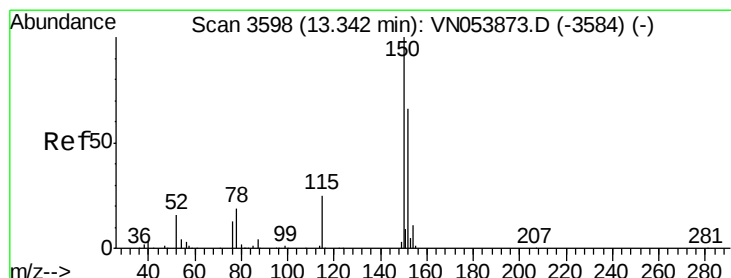
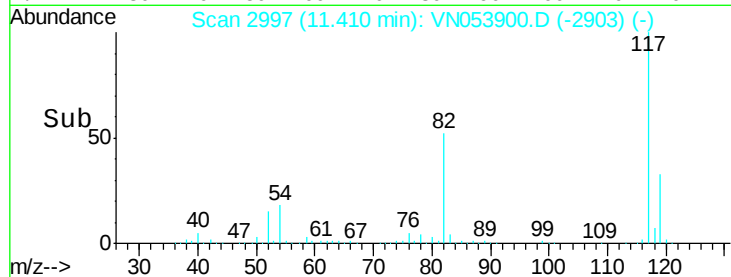
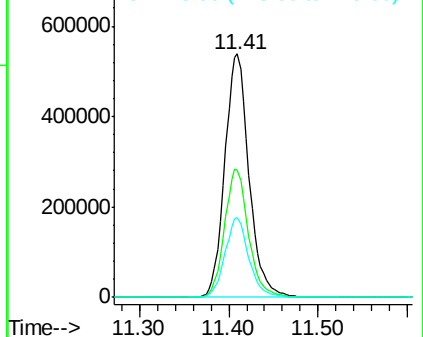
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.4	62.2
119	32.5	25.3	37.9

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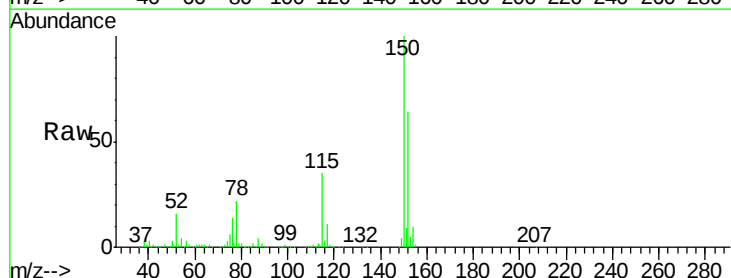


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

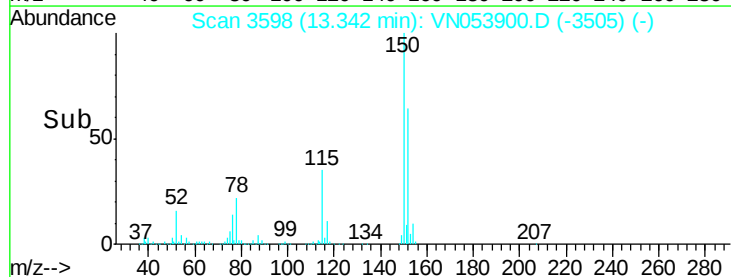
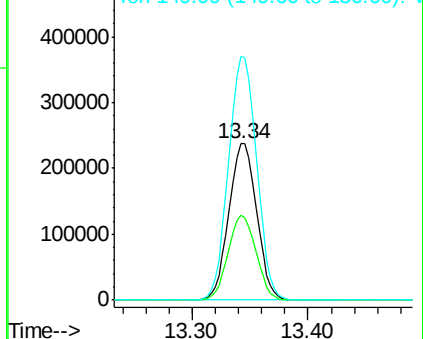


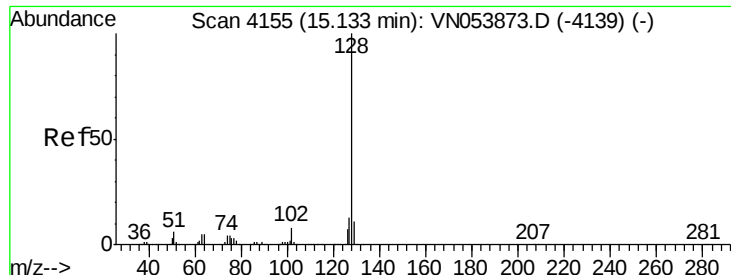
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053900.D
Acq: 21 Feb 2019 18:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.2	81.6
150	157.3	0.0	348.2



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





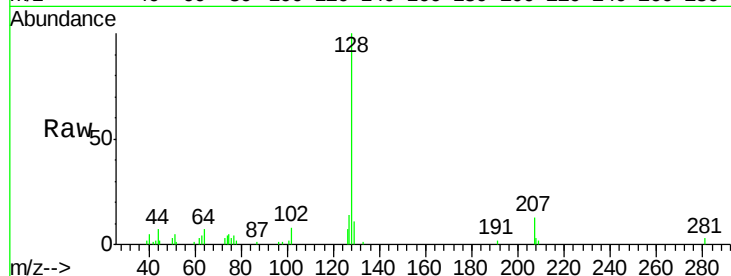
#95
Naphthalene
Concen: 6.077 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053900.D
Acq: 21 Feb 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
OR-02-021919-A

Tot Ion	Ratio	Resp	Lower	Upper
128	100	25178		
127	12.8		10.2	15.2
129	10.1		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/22/2019 10:30:51 AM



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

