

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051461.D
 Acq On : 24 Sep 2018 15:08
 Operator : MD\SY
 Sample : J4770-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-092118-H

Quant Time: Sep 25 01:59:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

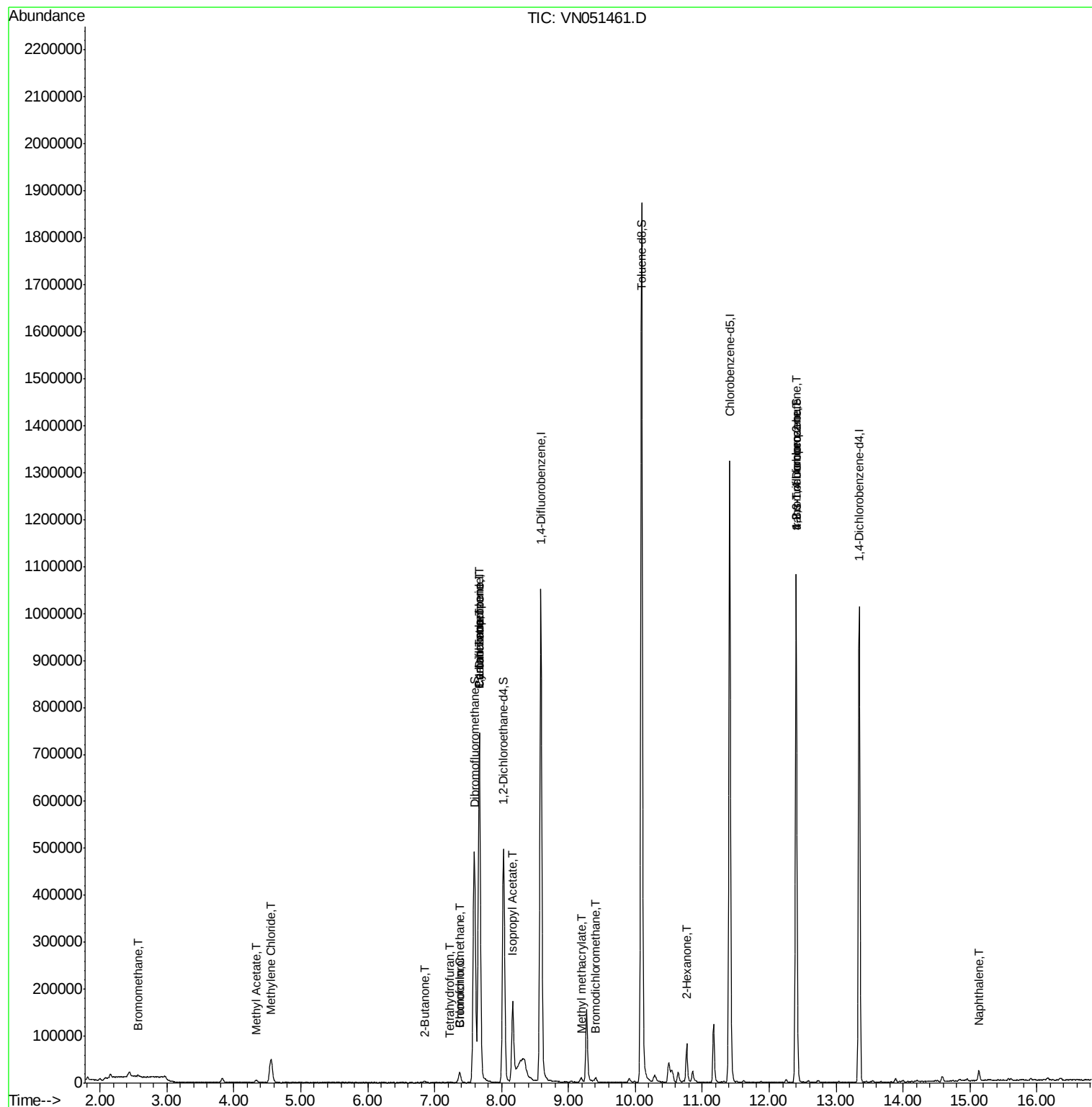
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	636361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	972835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	811637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289067	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	431478	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.26%	
35) Dibromofluoromethane	7.59	113	371294	47.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.46%	
50) Toluene-d8	10.09	98	1355993	46.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.58%	
62) 4-Bromofluorobenzene	12.40	95	362295	38.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.46%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.57	94	1448	0.291	ug/l	88
16) Acetone	3.82	43	14192	Below Cal		97
18) Methyl Acetate	4.33	43	9496	1.564	ug/l #	77
20) Methylene Chloride	4.56	84	37227	4.719	ug/l	95
25) 2-Butanone	6.85	43	1080	0.396	ug/l #	76
28) Bromochloromethane	7.37	49	1839	0.291	ug/l #	12
29) Tetrahydrofuran	7.22	42	807	0.467	ug/l #	37
30) Chloroform	7.37	83	22992	1.694	ug/l	96
31) Cyclohexane	7.66	56	12419	0.989	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45539	4.042	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56723	4.814	ug/l #	16
43) Isopropyl Acetate	8.17	43	212591	18.150	ug/l	96
47) Bromodichloromethane	9.40	83	5351	0.476	ug/l #	97
48) Methyl methacrylate	9.18	41	5292	0.906	ug/l #	19
59) 2-Hexanone	10.77	43	12304	2.946	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	178397	37.176	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	178397	114.314	ug/l #	12
95) Naphthalene	15.14	128	18778	9.510	ug/l #	90

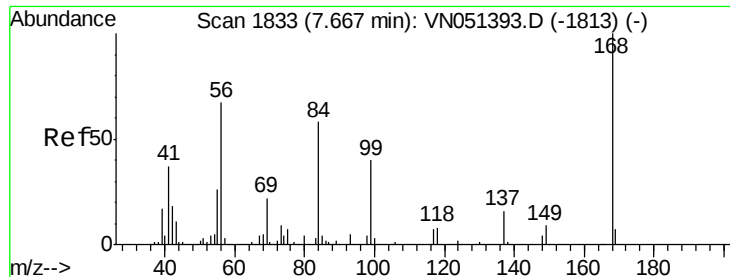
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051461.D

Acq: 24 Sep 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

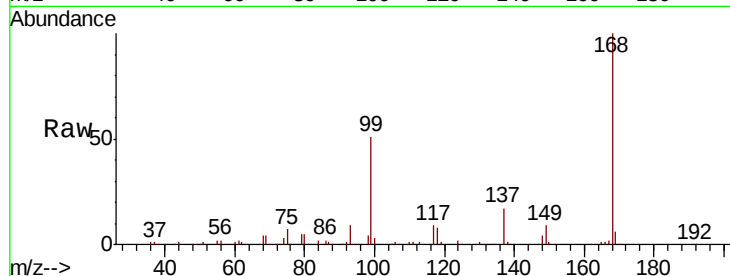
JC-02-092118-H

Tot Ion:168 Resp: 636361

Ion Ratio Lower Upper

168 100

99 51.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

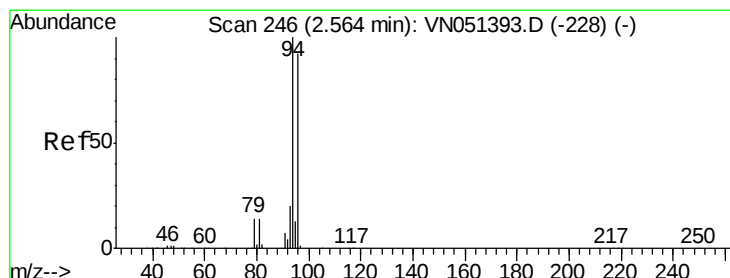
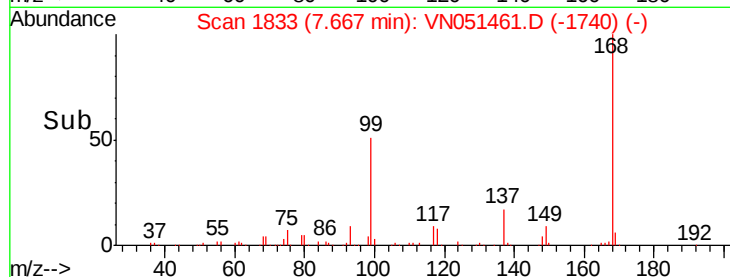
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.291 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051461.D

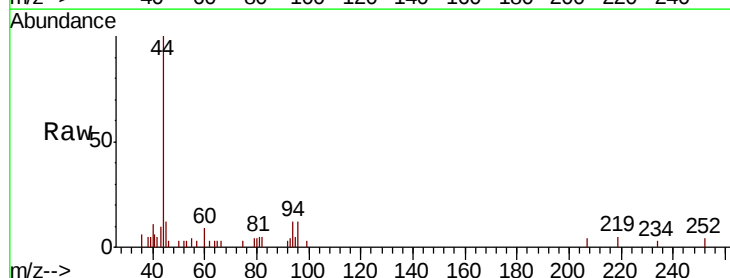
Acq: 24 Sep 2018 15:08

Tgt Ion: 94 Resp: 1448

Ion Ratio Lower Upper

94 100

96 103.2 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN051461.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051461.D (-153) (-)

2.57

800

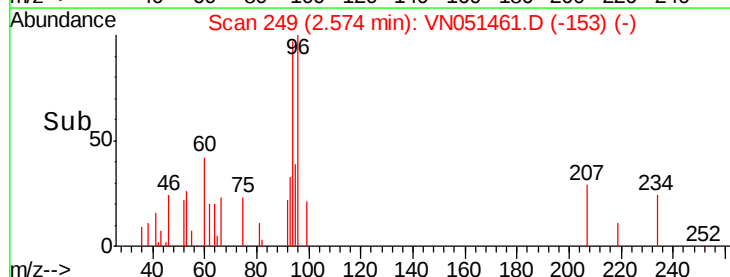
600

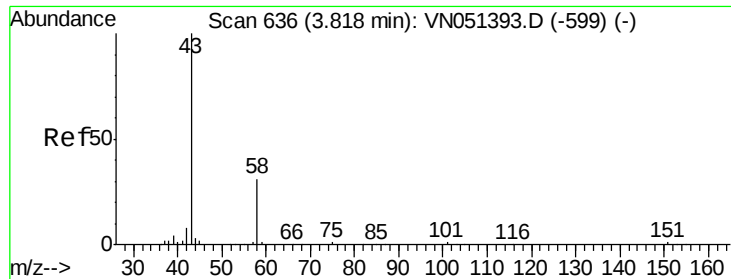
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051461.D

Acq: 24 Sep 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

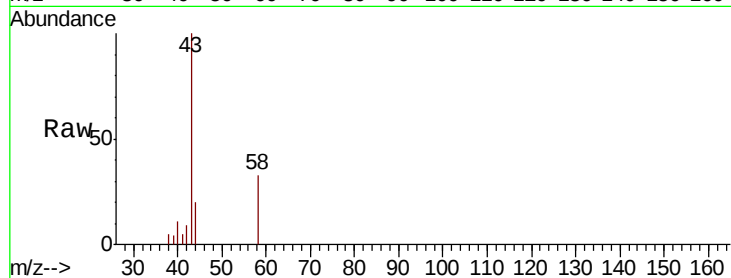
JC-02-092118-H

Tot Ion: 43 Resp: 14192

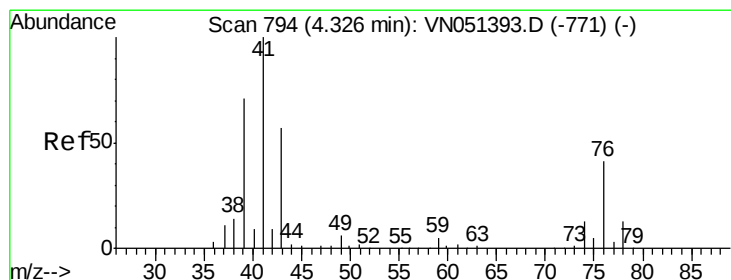
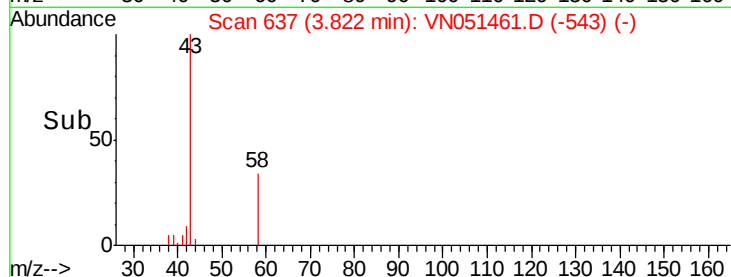
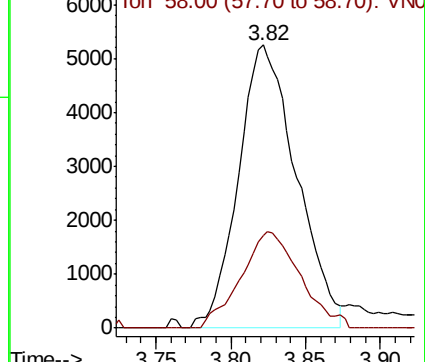
Ion Ratio Lower Upper

43 100

58 32.9 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-599) (-)



#18

Methyl Acetate

Concen: 1.564 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051461.D

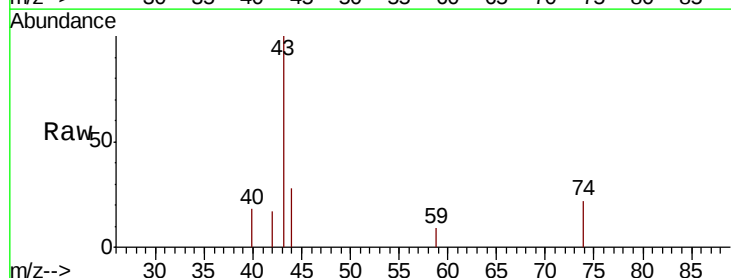
Acq: 24 Sep 2018 15:08

Tgt Ion: 43 Resp: 9496

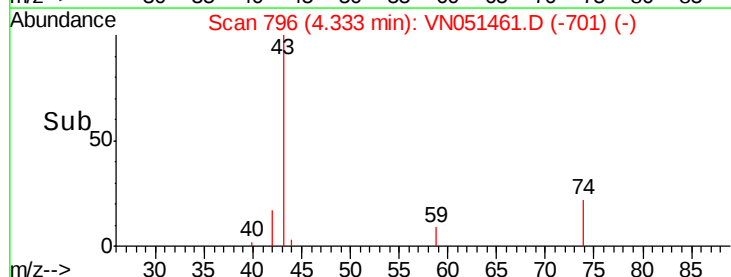
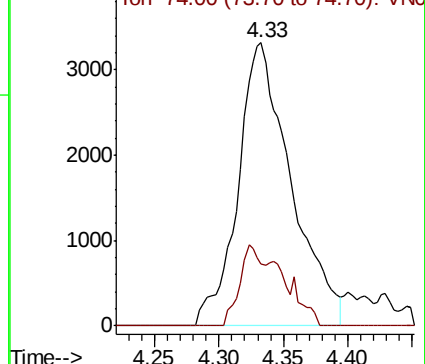
Ion Ratio Lower Upper

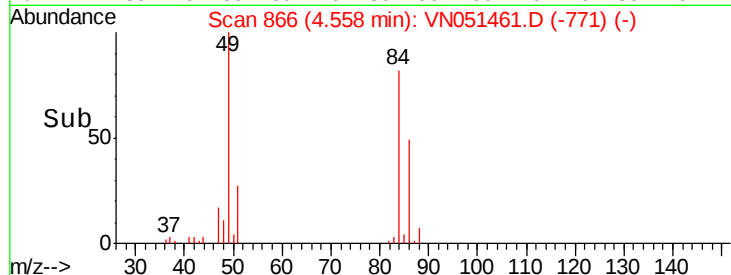
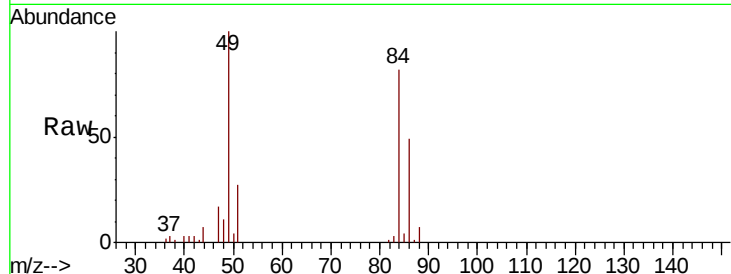
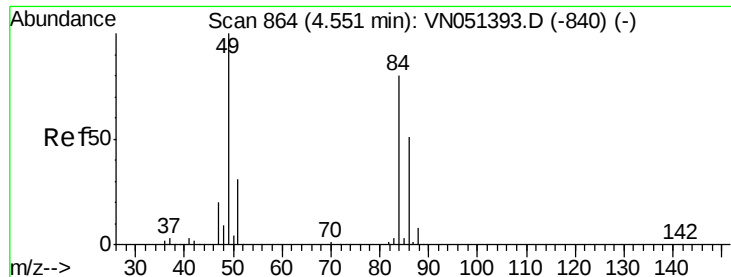
43 100

74 12.4 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)

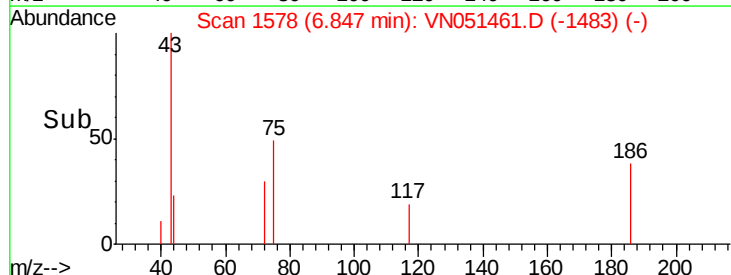
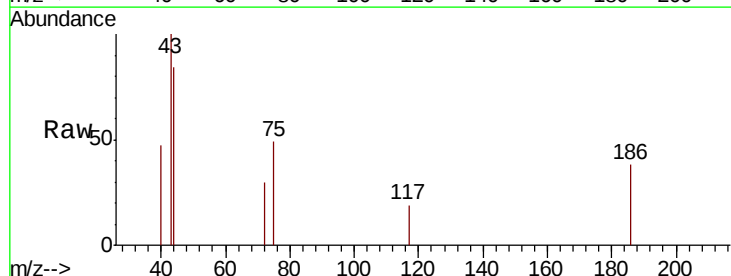
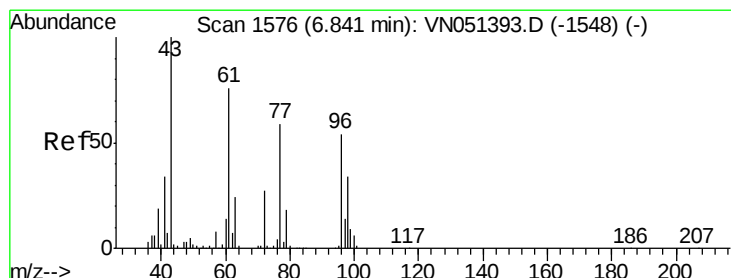
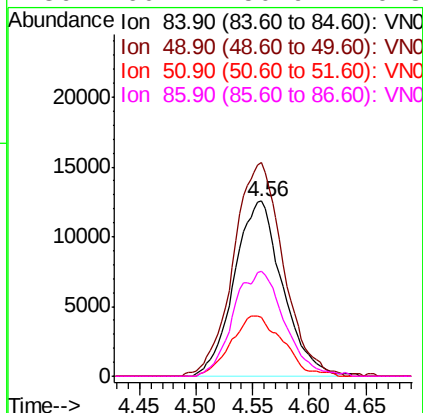




#20
Methvlene Chloride
Concen: 4.719 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051461.D
Acq: 24 Sep 2018 15:08

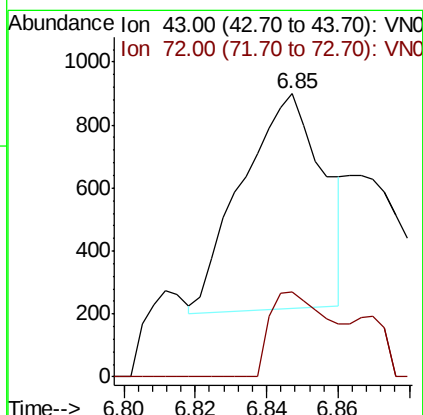
Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-H

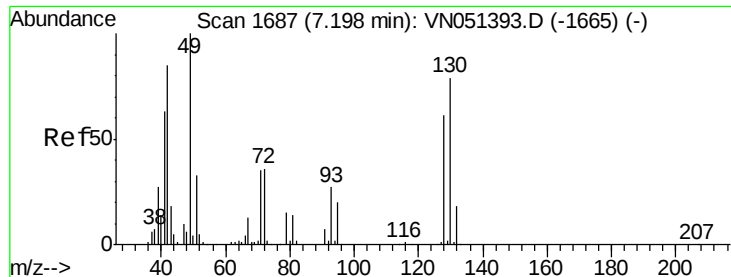
Tot Ion:	84	Resp:	37227
Ion	Ratio	Lower	Upper
84	100		
49	119.9	99.9	149.9
51	33.5	31.4	47.2
86	60.2	50.9	76.3



#25
2-Butanone
Concen: 0.396 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051461.D
Acq: 24 Sep 2018 15:08

Tgt Ion:	43	Resp:	1080
Ion	Ratio	Lower	Upper
43	100		
72	39.8	21.8	32.6#

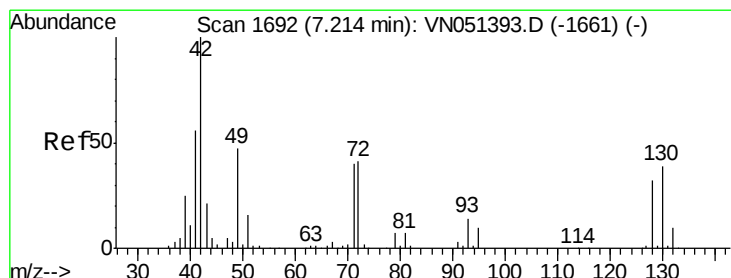
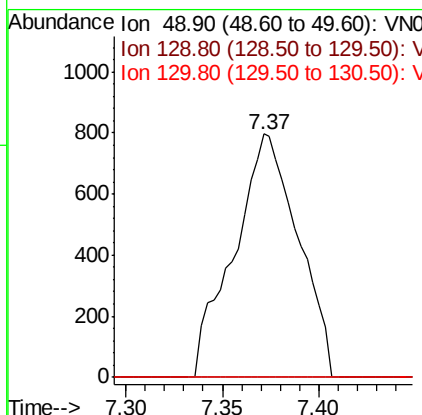
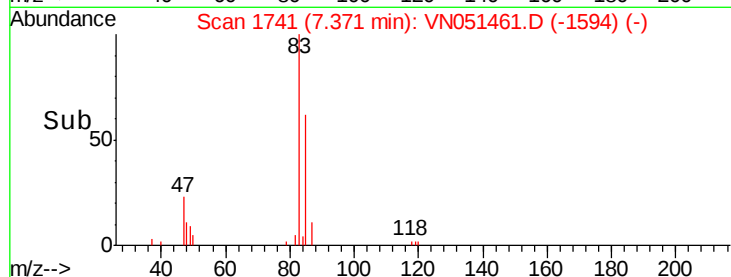
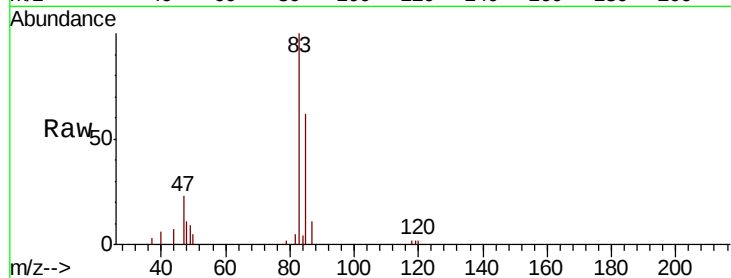




#28
Bromochloromethane
Concen: 0.291 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.17 min
Lab File: VN051461.D
Acq: 24 Sep 2018 15:08

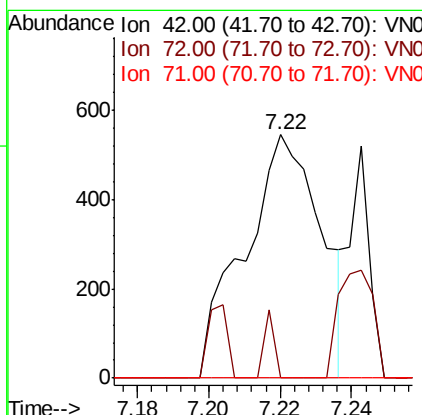
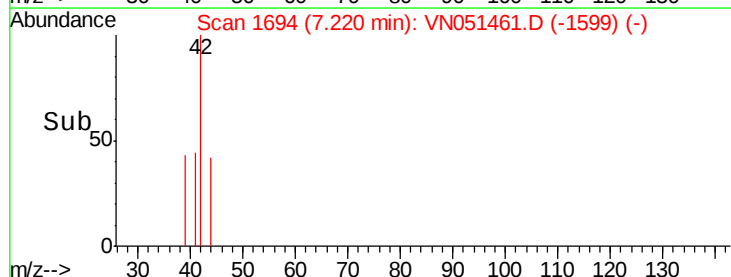
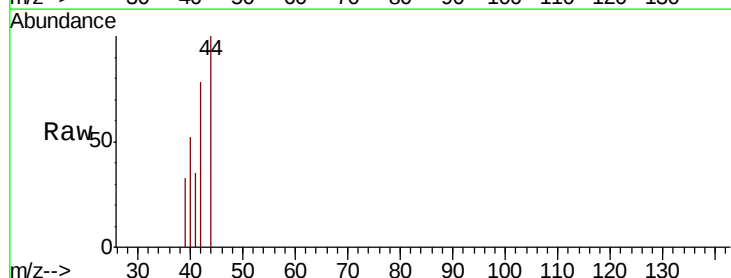
Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-H

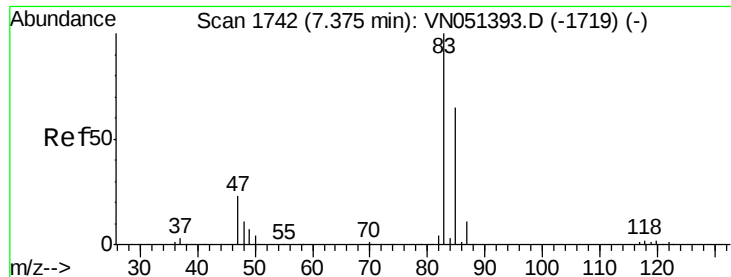
Tot Ion: 49 Resp: 1839
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 63.0 94.4#



#29
Tetrahydrofuran
Concen: 0.467 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051461.D
Acq: 24 Sep 2018 15:08

Tgt Ion: 42 Resp: 807
Ion Ratio Lower Upper
42 100
72 3.6 34.3 51.5#
71 0.0 32.2 48.4#

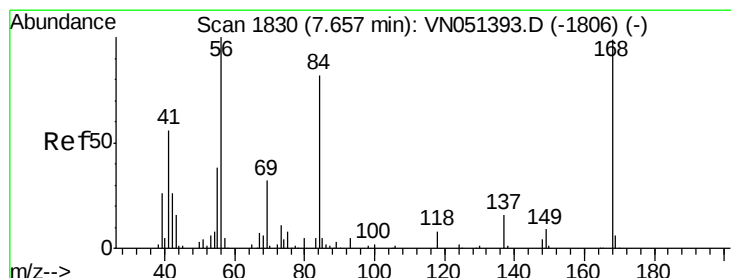
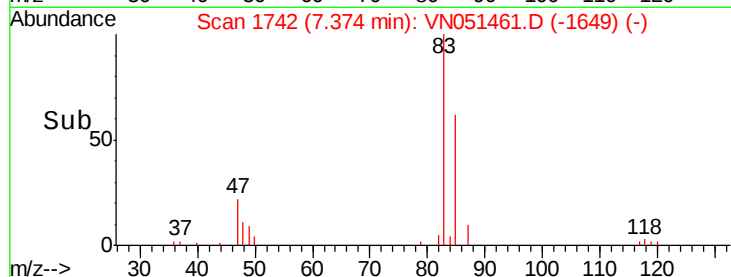
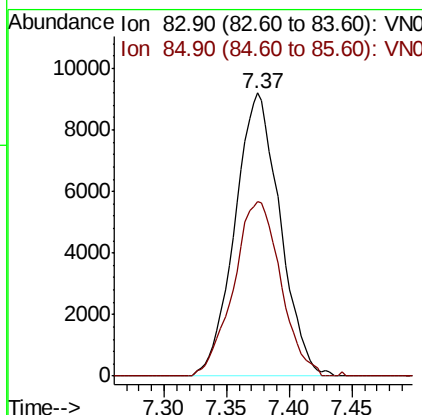
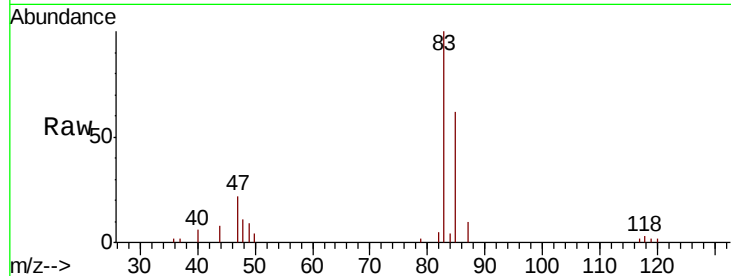




#30
Chloroform
Concen: 1.694 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051461.D
Acq: 24 Sep 2018 15:08

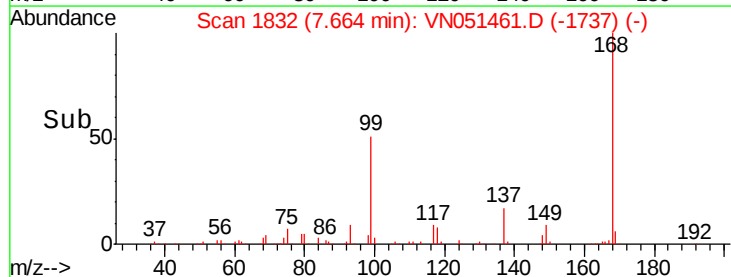
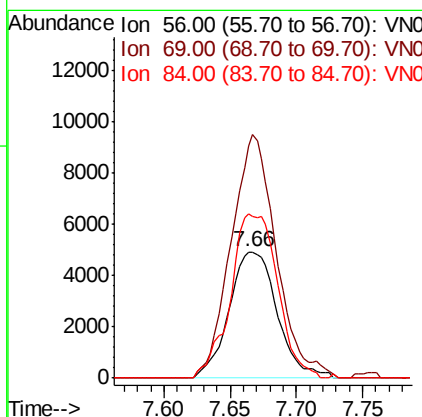
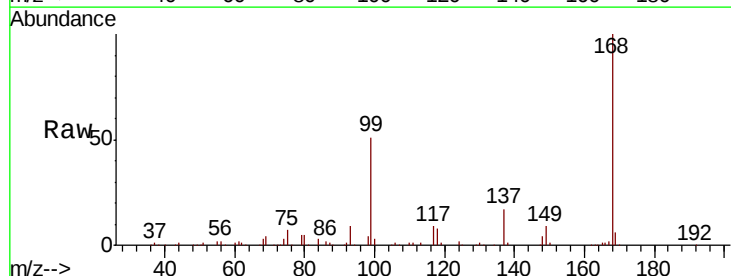
Instrument :
MSVOA_N
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JC-02-092118-H

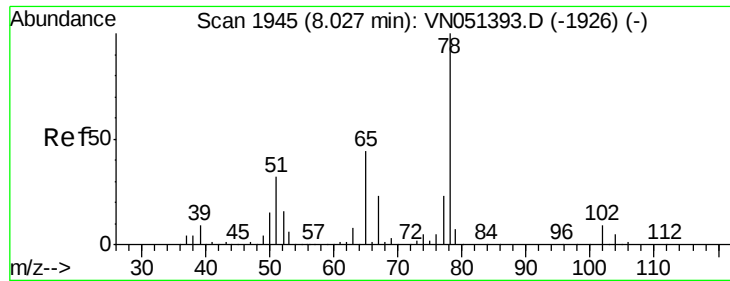
Tot Ion: 83 Resp: 22992
Ion Ratio Lower Upper
83 100
85 61.9 51.8 77.6



#31
Cyclohexane
Concen: 0.989 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051461.D
Acq: 24 Sep 2018 15:08

Tgt Ion: 56 Resp: 12419
Ion Ratio Lower Upper
56 100
69 183.9 25.8 38.6#
84 129.4 66.0 99.0#

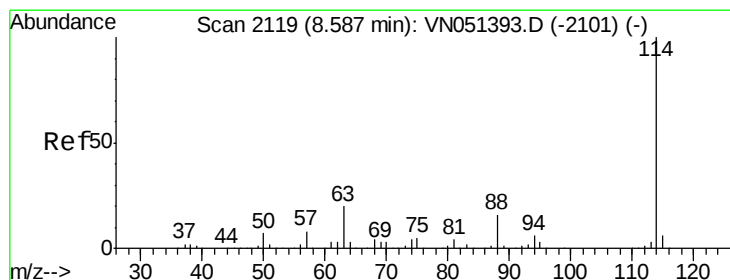
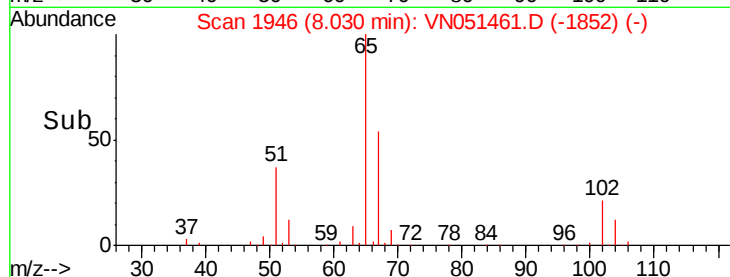
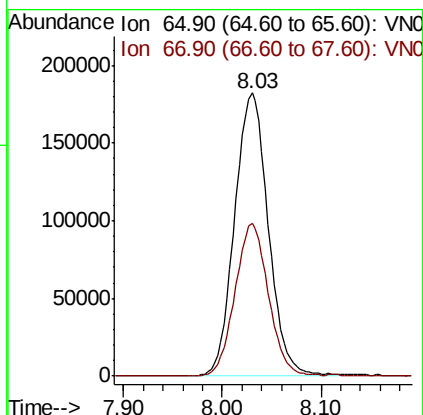
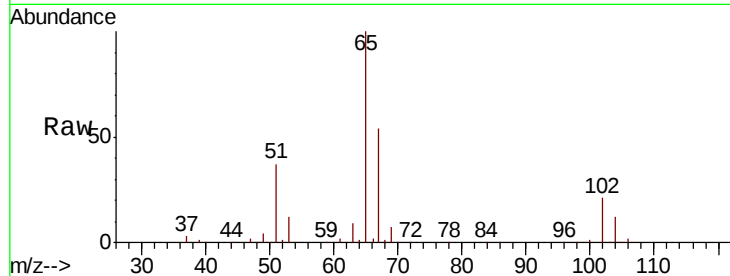




#33
 1,2-Dichloroethane-d4
 Concen: 54.127 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051461.D
 Acq: 24 Sep 2018 15:08

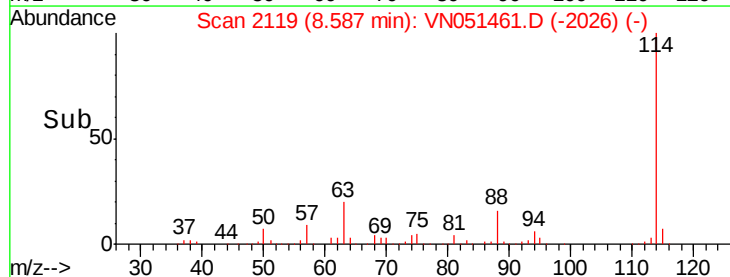
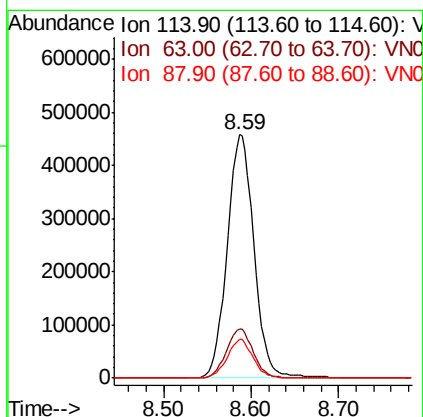
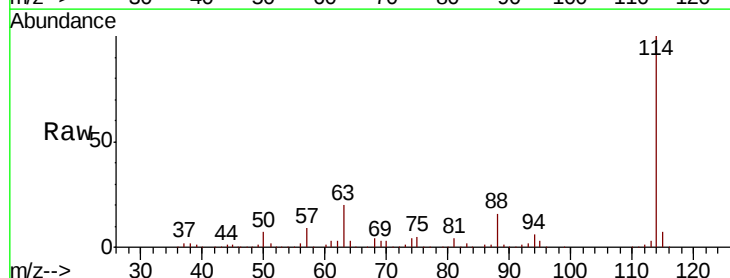
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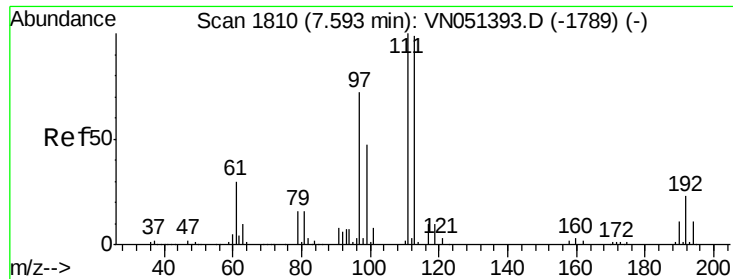
Tot Ion: 65 Resp: 431478
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051461.D
 Acq: 24 Sep 2018 15:08

Tgt Ion: 114 Resp: 972835
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 15.9 0.0 31.4

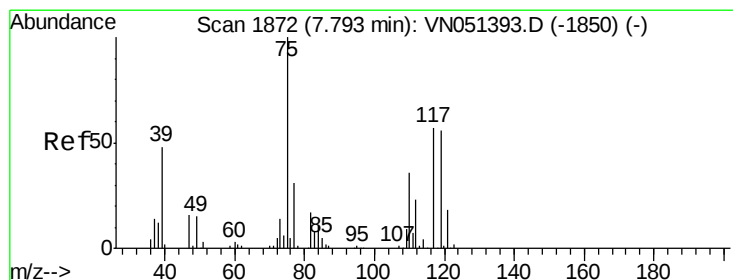
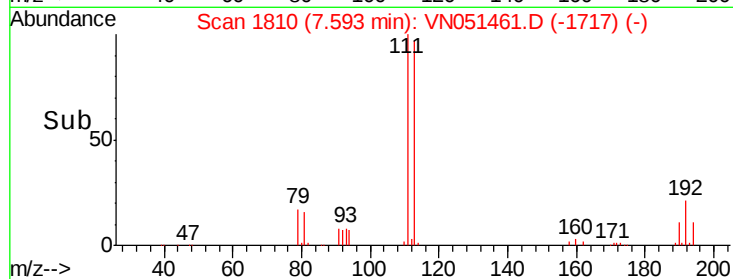
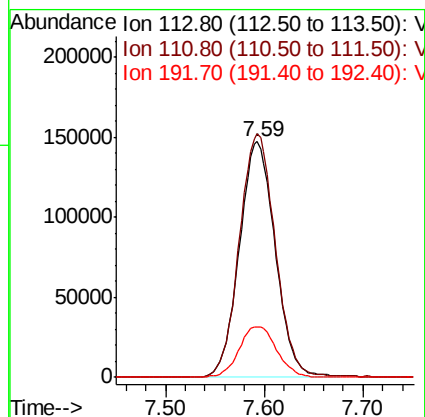
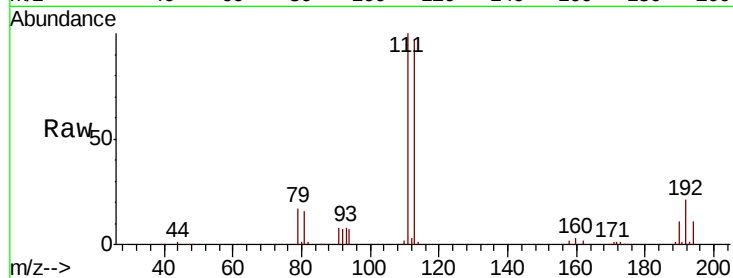




#35
 Dibromofluoromethane
 Concen: 47.728 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051461.D
 Acq: 24 Sep 2018 15:08

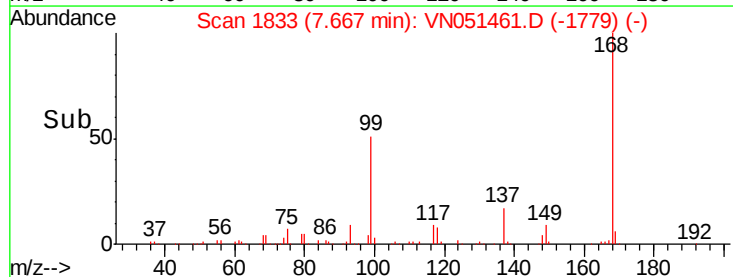
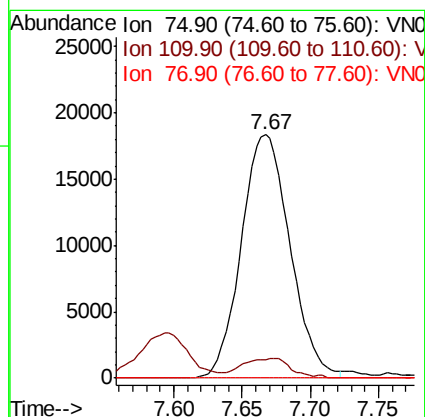
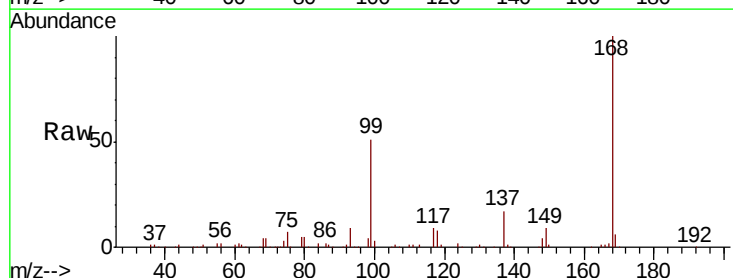
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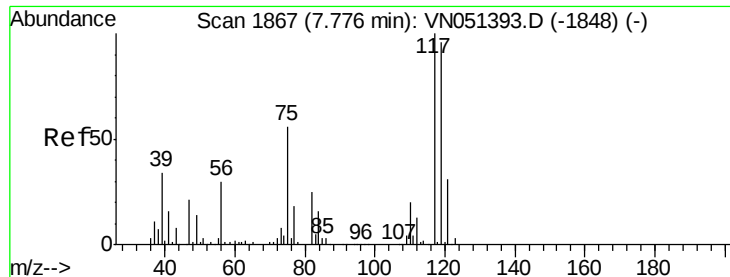
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	22.5	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 4.042 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051461.D
 Acq: 24 Sep 2018 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.814 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051461.D

Acq: 24 Sep 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-H

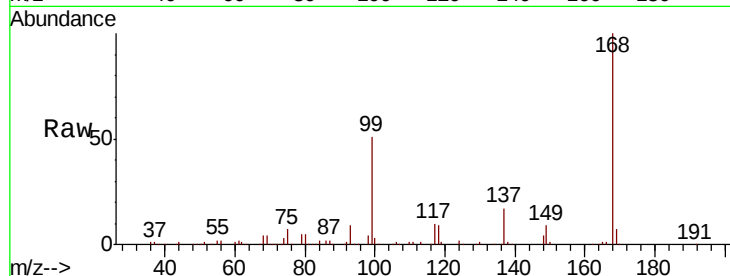
Tot Ion:117 Resp: 56723

Ion Ratio Lower Upper

117 100

119 5.6 76.9 115.3#

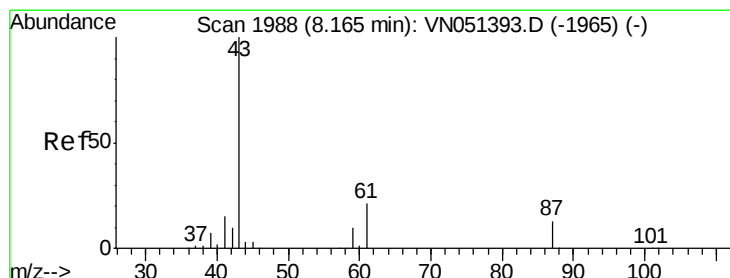
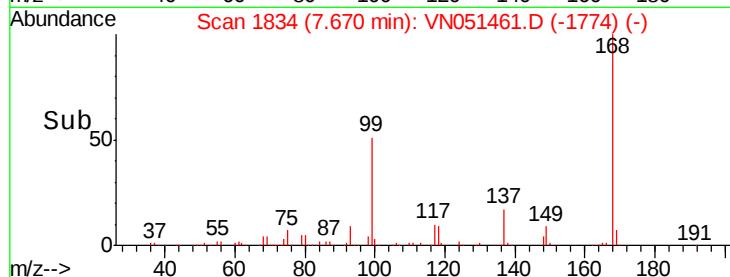
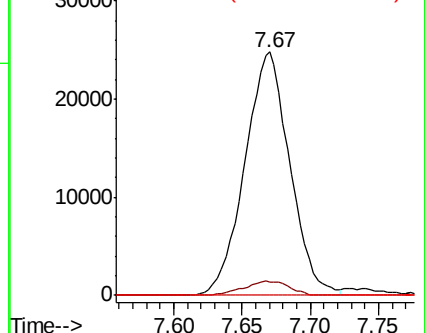
121 0.0 24.6 37.0#



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: 18.150 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051461.D

Acq: 24 Sep 2018 15:08

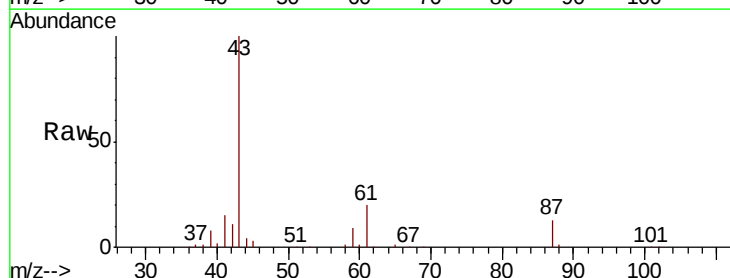
Tgt Ion: 43 Resp: 212591

Ion Ratio Lower Upper

43 100

61 18.8 16.8 25.2

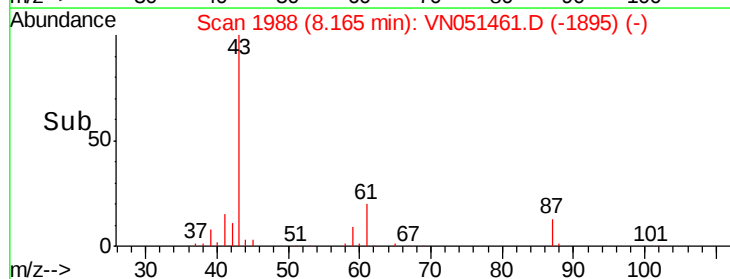
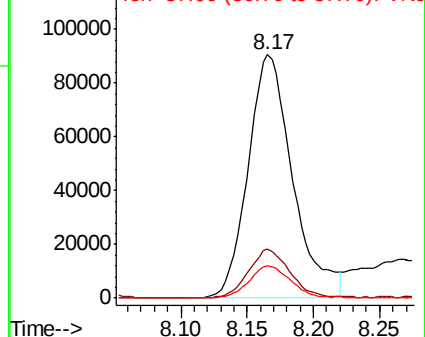
87 12.3 10.7 16.1

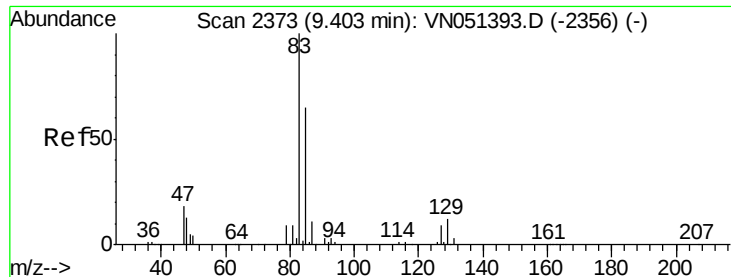


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.476 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051461.D

Acq: 24 Sep 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-H

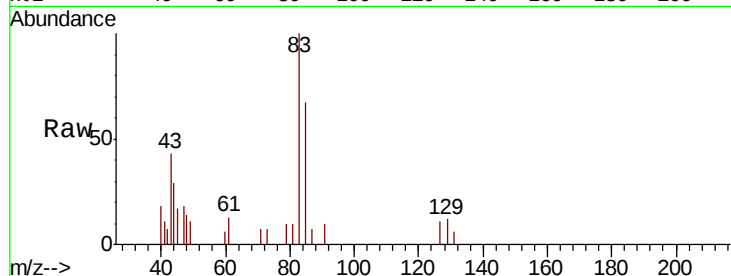
Tot Ion: 83 Resp: 5351

Ion Ratio Lower Upper

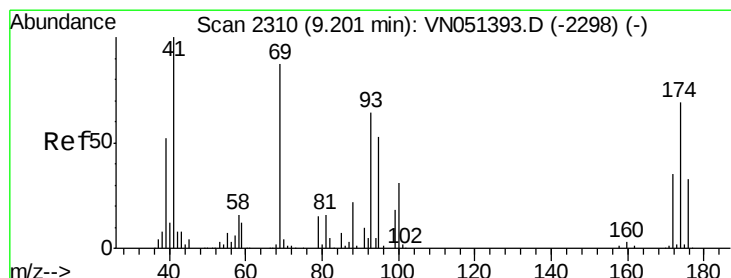
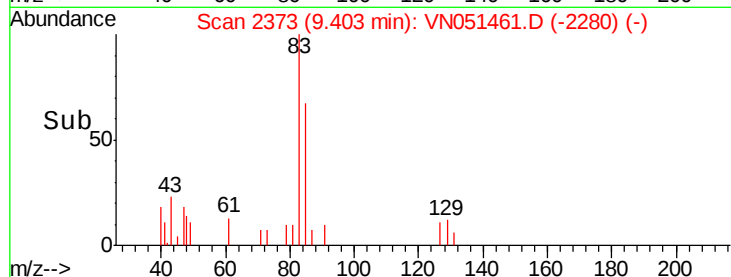
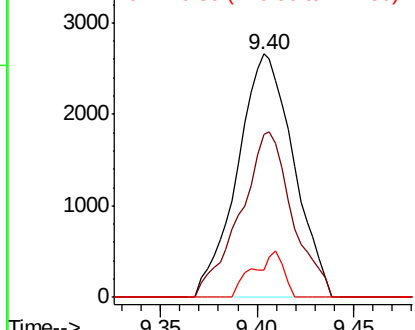
83 100

85 66.9 51.8 77.6

127 11.3 7.4 11.2#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 0.906 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051461.D

Acq: 24 Sep 2018 15:08

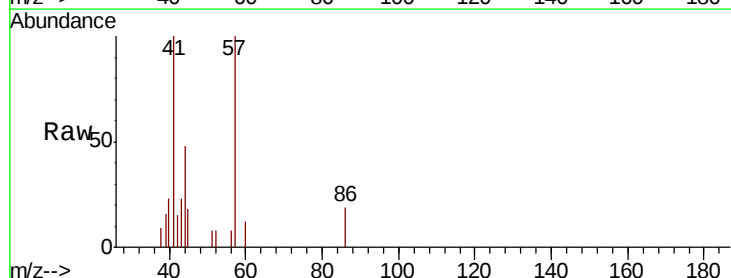
Tgt Ion: 41 Resp: 5292

Ion Ratio Lower Upper

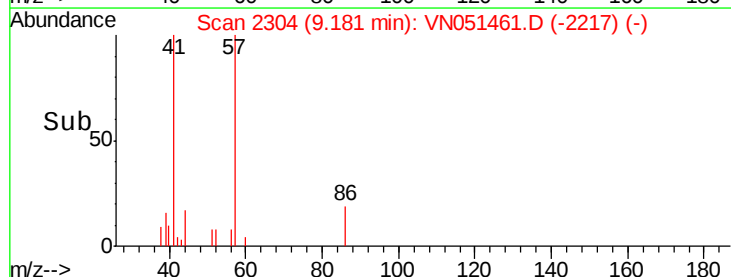
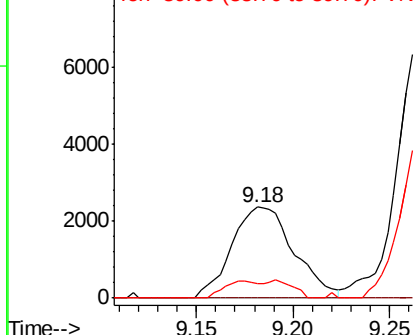
41 100

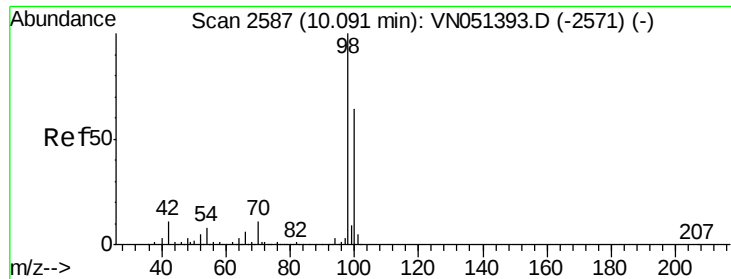
69 0.0 70.4 105.6#

39 11.2 43.8 65.8#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 46.289 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051461.D

Acq: 24 Sep 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

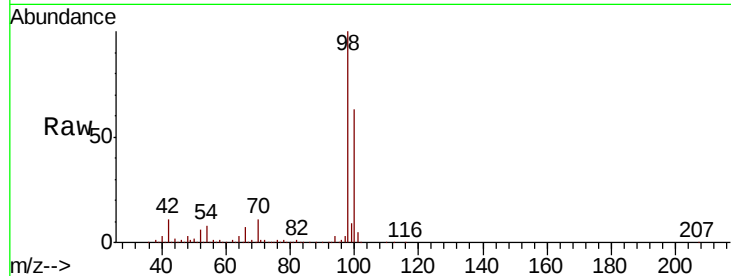
JC-02-092118-H

Tot Ion: 98 Resp: 1355993

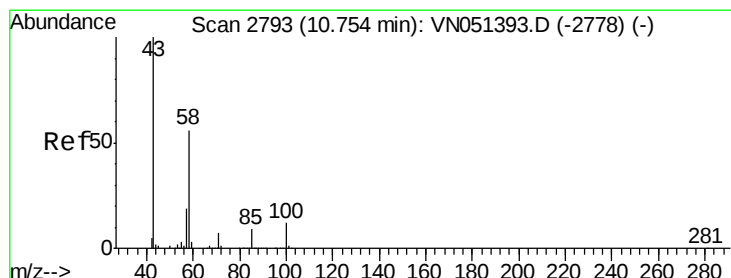
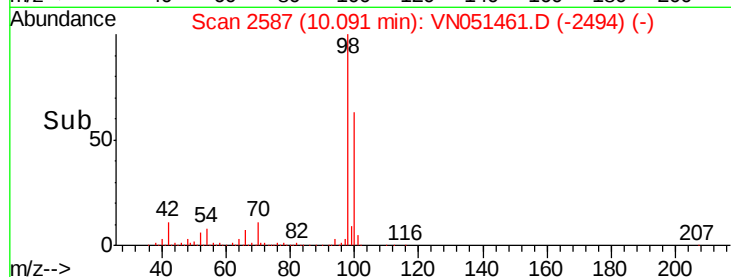
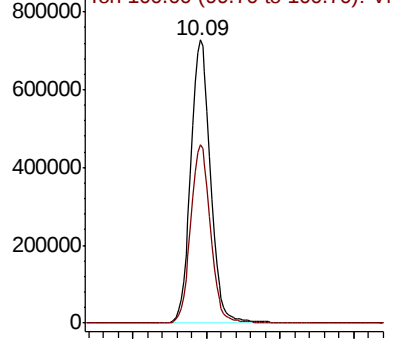
Ion Ratio Lower Upper

98 100

100 63.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)



#59

2-Hexanone

Concen: 2.946 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN051461.D

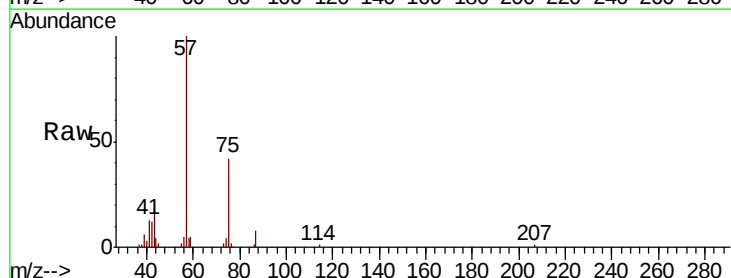
Acq: 24 Sep 2018 15:08

Tgt Ion: 43 Resp: 12304

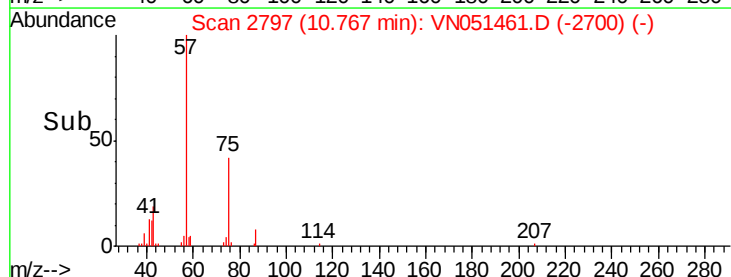
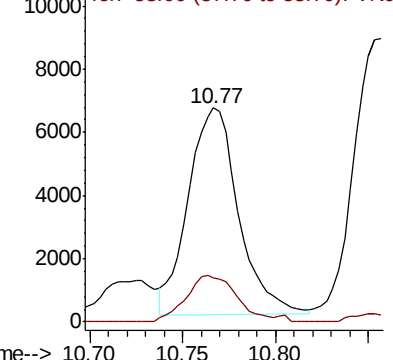
Ion Ratio Lower Upper

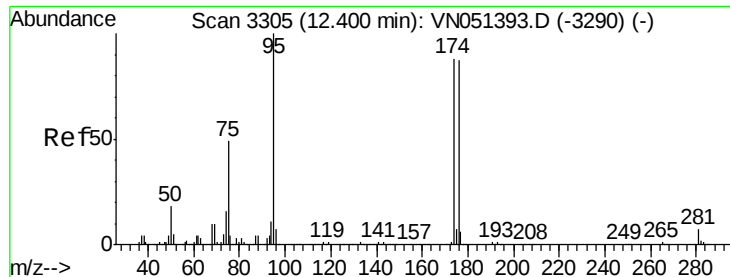
43 100

58 23.2 27.7 83.0#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-2778) (-)

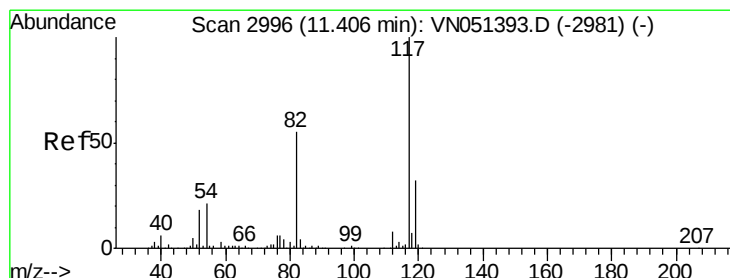
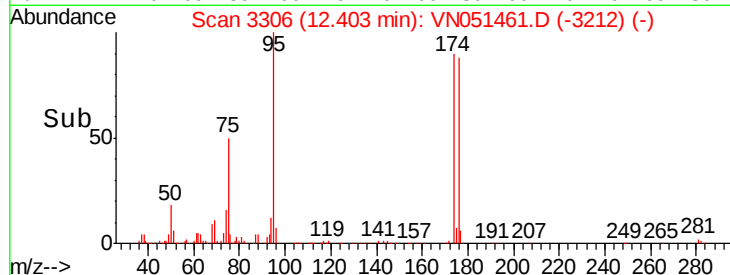
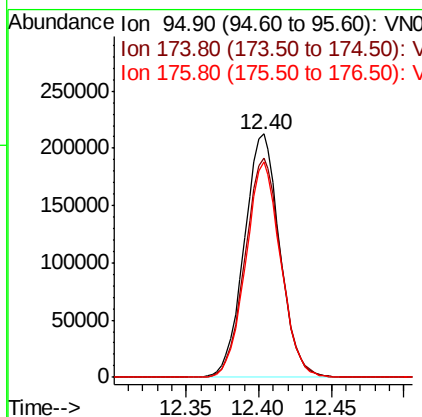
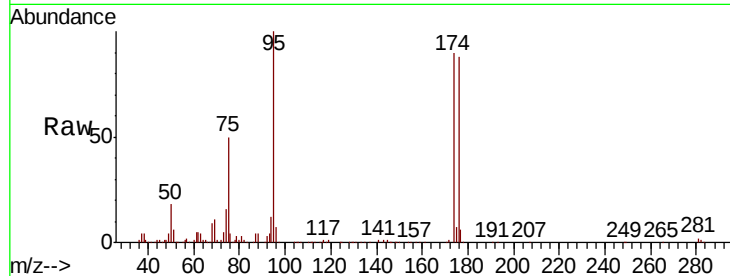




#62
4-Bromofluorobenzene
Concen: 38.230 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051461.D
Acq: 24 Sep 2018 15:08

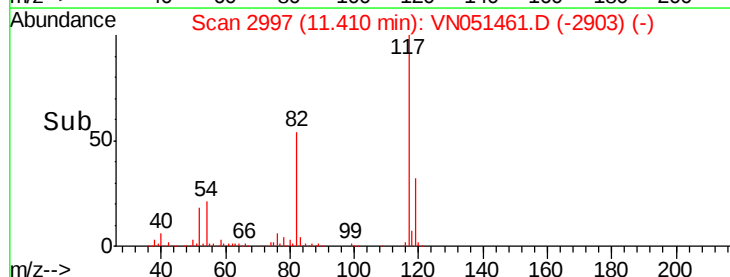
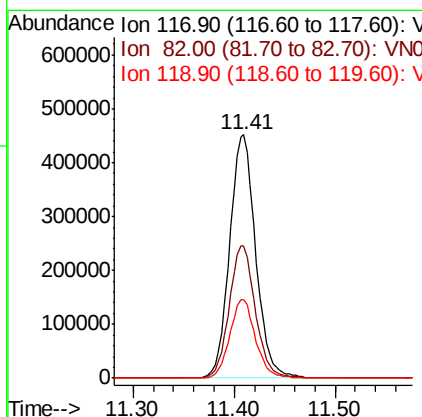
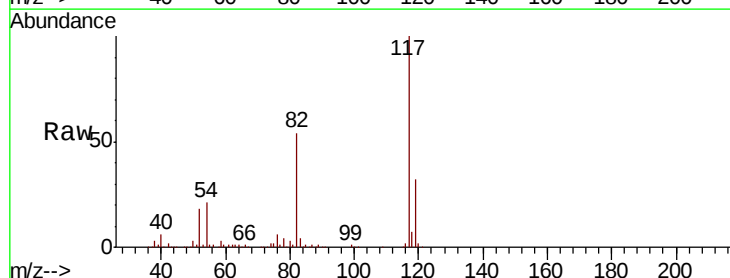
Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-H

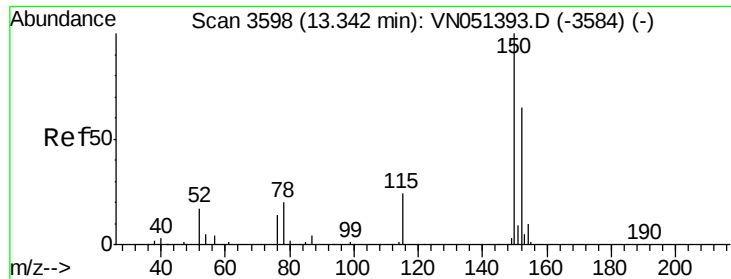
Tot Ion: 95 Resp: 362295
Ion Ratio Lower Upper
95 100
174 91.0 0.0 181.6
176 87.0 0.0 176.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051461.D
Acq: 24 Sep 2018 15:08

Tgt Ion: 117 Resp: 811637
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 32.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051461.D

Acq: 24 Sep 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

JC-02-092118-H

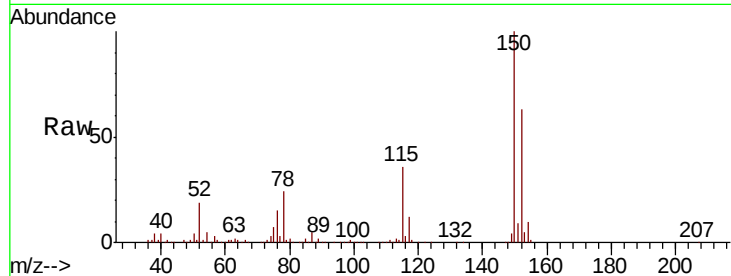
Tot Ion:152 Resp: 289067

Ion Ratio Lower Upper

152 100

115 57.6 28.3 84.9

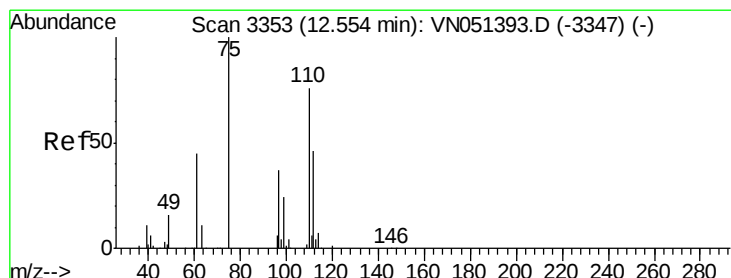
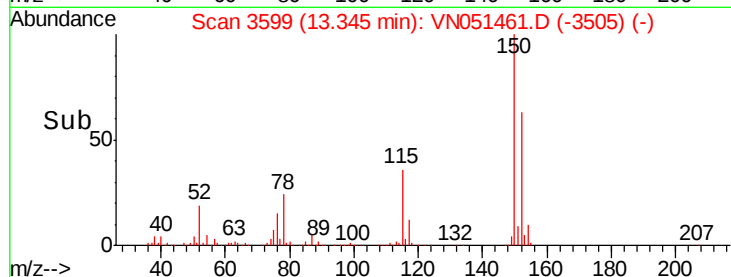
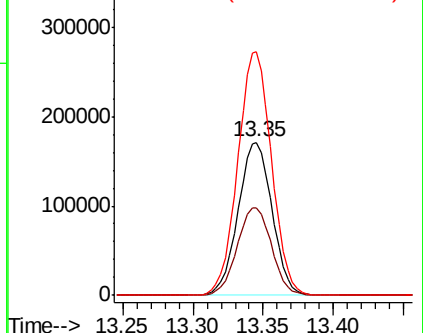
150 157.8 0.0 353.6



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: 37.176 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051461.D

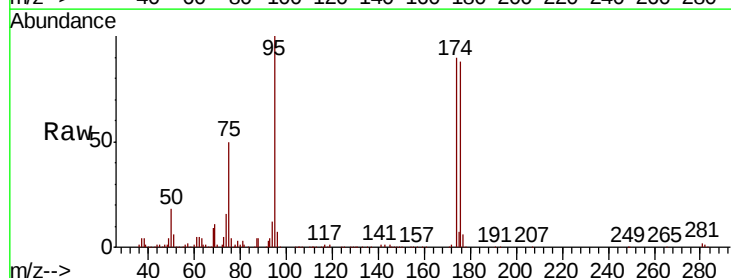
Acq: 24 Sep 2018 15:08

Tgt Ion: 75 Resp: 178397

Ion Ratio Lower Upper

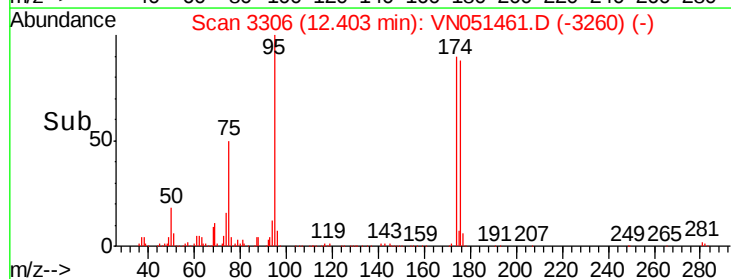
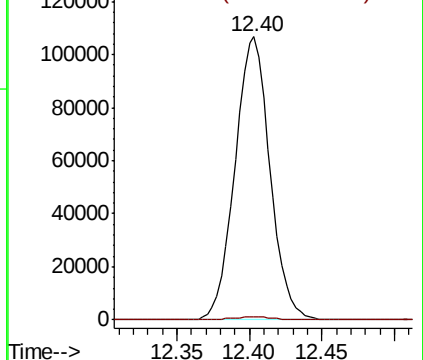
75 100

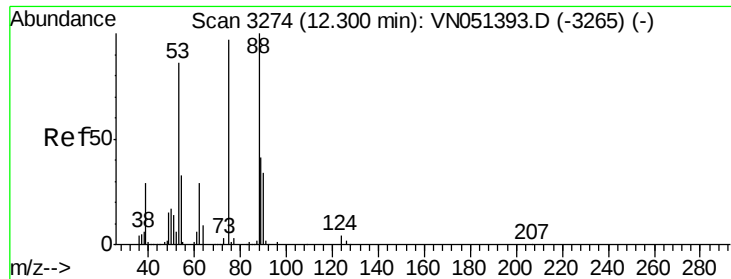
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

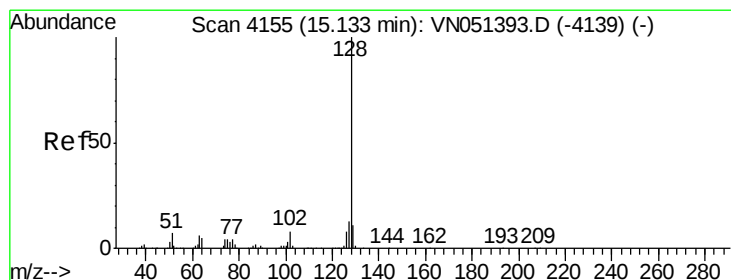
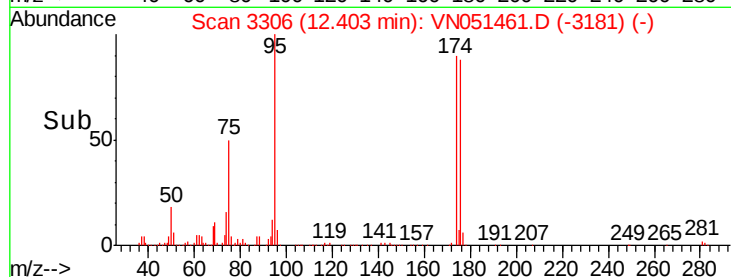
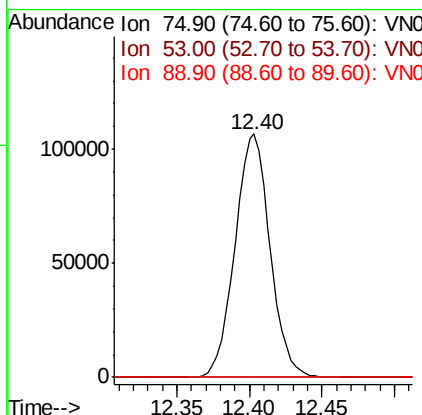
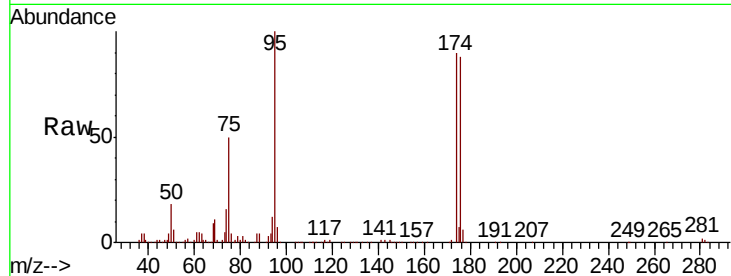




#81
trans-1,4-Dichloro-2-butene
Concen: 114.314 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051461.D
Acq: 24 Sep 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
JC-02-092118-H

Tot Ion: 75 Resp: 178397
Ion Ratio Lower Upper
75 100
53 0.2 73.9 110.9#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 9.510 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051461.D
Acq: 24 Sep 2018 15:08

Tgt Ion:128 Resp: 18778
Ion Ratio Lower Upper
128 100
127 15.4 10.5 15.7
129 5.0 8.6 12.8#

