

Data File : VN053391.D
Acq On : 14 Jan 2019 15:04
Operator : JC/SP
Sample : PB116342ZHE#04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB116342ZHE#04

Quant Time: Jan 14 22:57:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	997079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1555535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1493987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	658741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	507652	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.59	113	436495	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	10.09	98	1958964	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.40	95	685279	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

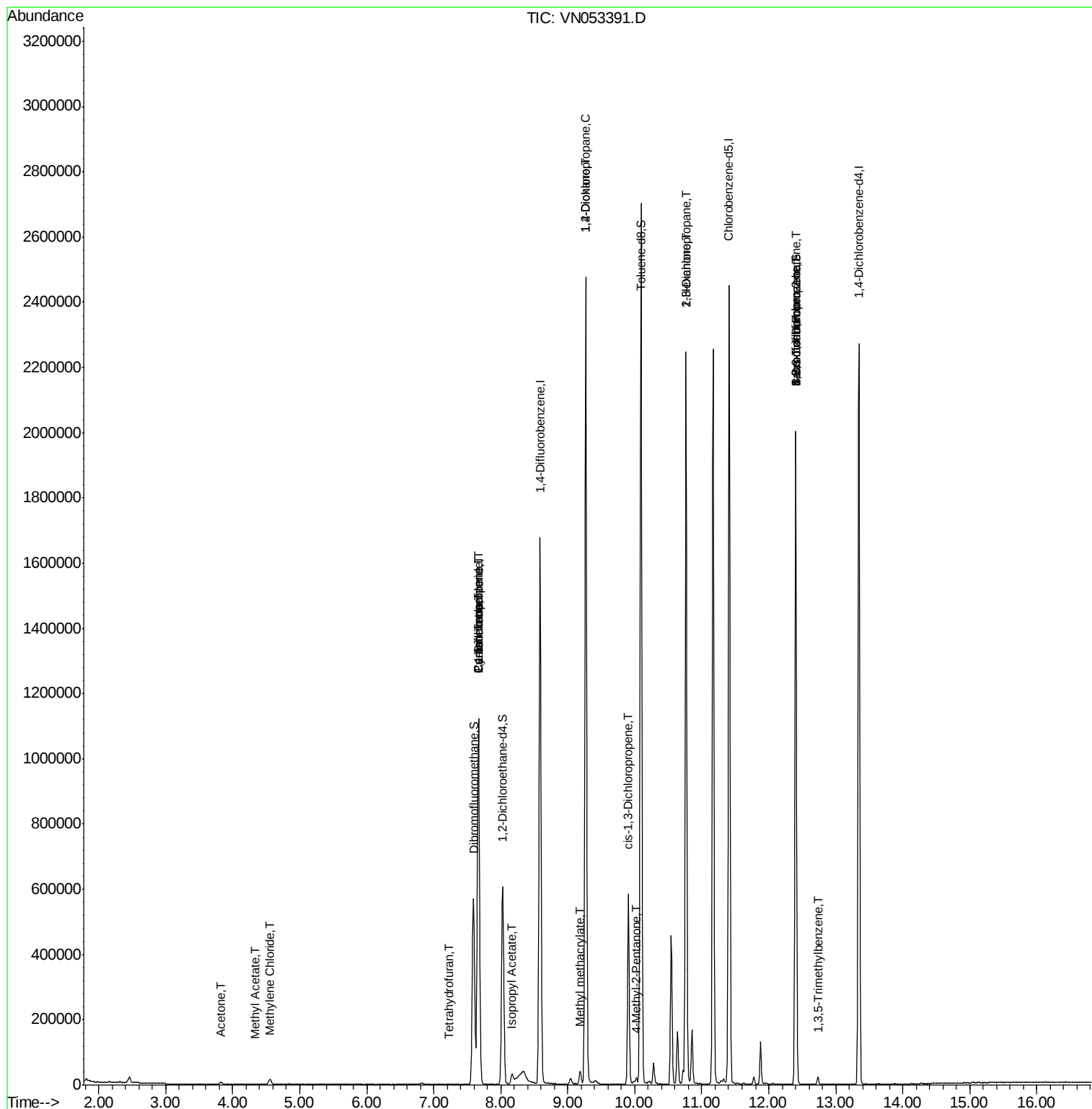
						Qvalue
16) Acetone	3.82	43	13914	3.368	ug/l	97
18) Methyl Acetate	4.33	43	3671	0.391	ug/l #	85
20) Methylene Chloride	4.55	84	11651	1.046	ug/l	96
29) Tetrahydrofuran	7.22	42	1248	0.444	ug/l	89
31) Cyclohexane	7.66	56	16032	0.714	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	63919	4.402	ug/l #	48
38) Carbon Tetrachloride	7.67	117	86594	6.460	ug/l #	17
43) Isopropyl Acetate	8.17	43	48984	2.632	ug/l #	81
45) 1,2-Dichloropropane	9.27	63	2925	0.251	ug/l #	43
48) Methyl methacrylate	9.18	41	14153	1.674	ug/l #	12
49) 1,4-Dioxane	9.27	88	275	3.053	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	17779	1.900	ug/l #	34
54) cis-1,3-Dichloropropene	9.91	75	109409	6.547	ug/l #	64
57) 1,3-Dichloropropane	10.76	76	23887	1.427	ug/l #	42
59) 2-Hexanone	10.76	43	314001	48.974	ug/l #	50
71) Bromoform	12.40	173	4602	0.574	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	321317	33.442	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	10829	0.274	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	321317	98.393	ug/l #	14

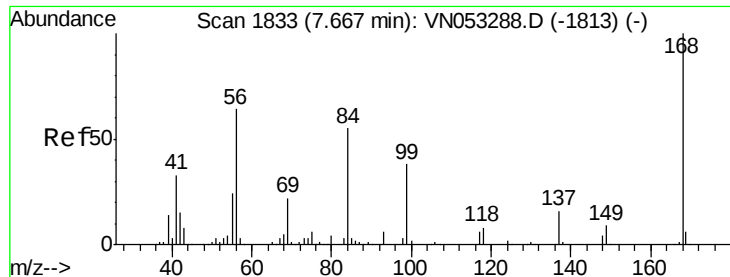
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053391.D

Acq: 14 Jan 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

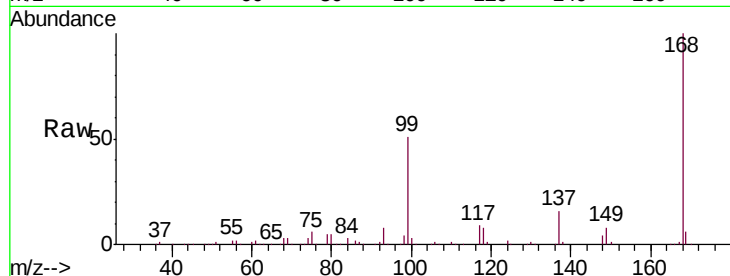
PB116342ZHE#04

Tgt Ion:168 Resp: 997079

Ion Ratio Lower Upper

168 100

99 50.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053288.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053288.D (-1813) (-)

7.67

400000

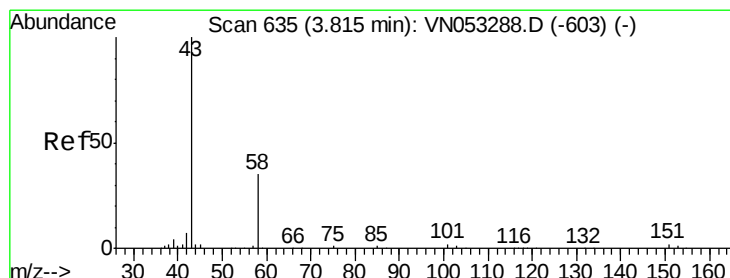
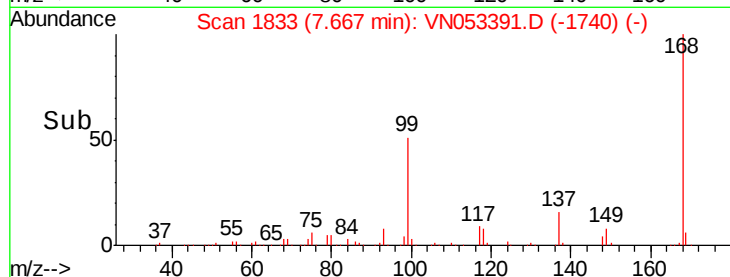
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.368 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053391.D

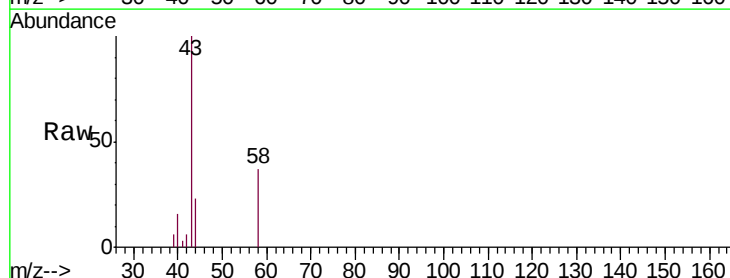
Acq: 14 Jan 2019 15:04

Tgt Ion: 43 Resp: 13914

Ion Ratio Lower Upper

43 100

58 36.6 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-603) (-)

3.82

6000

5000

4000

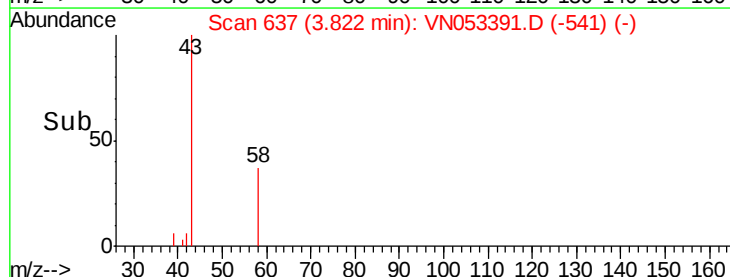
3000

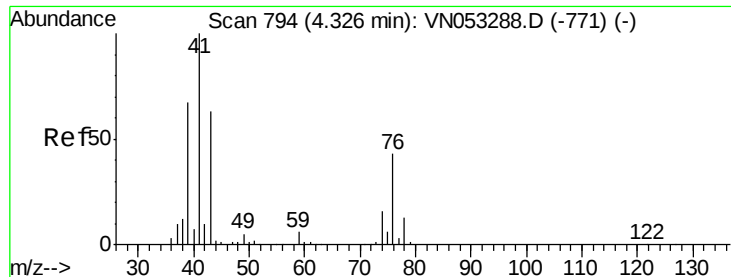
2000

1000

0

Time-->

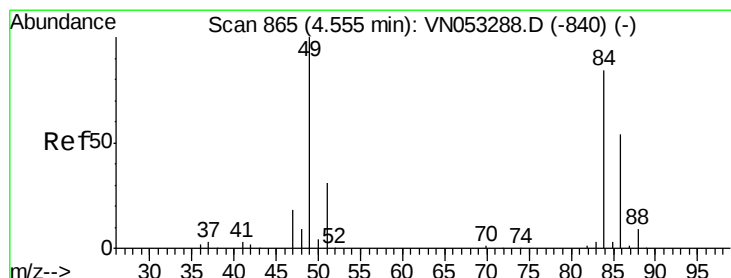
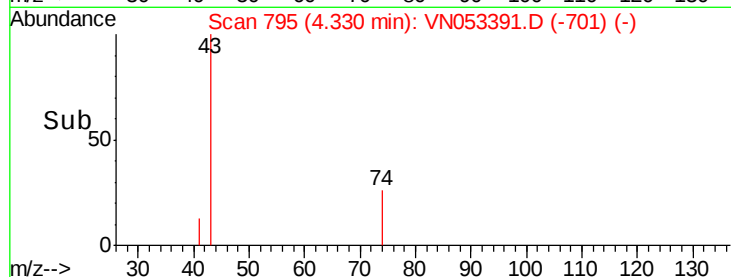
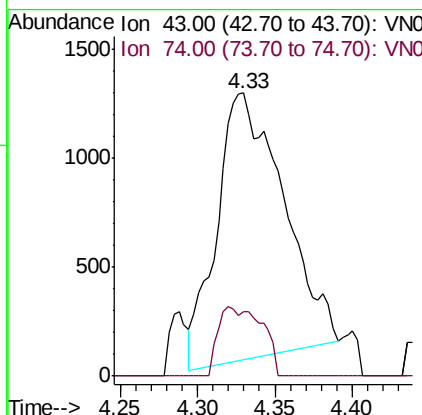
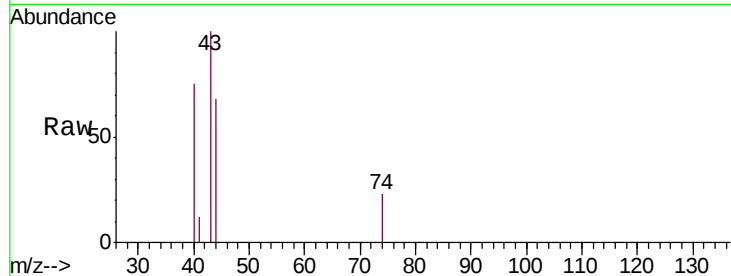




#18
Methyl Acetate
Concen: 0.391 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053391.D
Acq: 14 Jan 2019 15:04

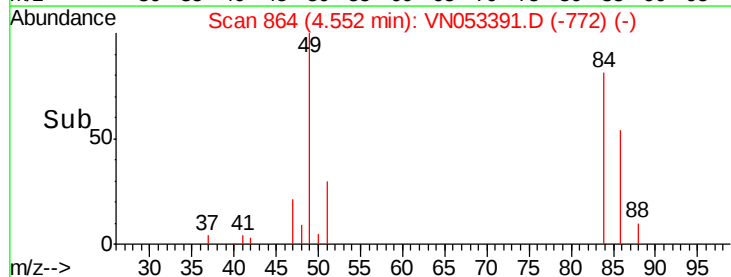
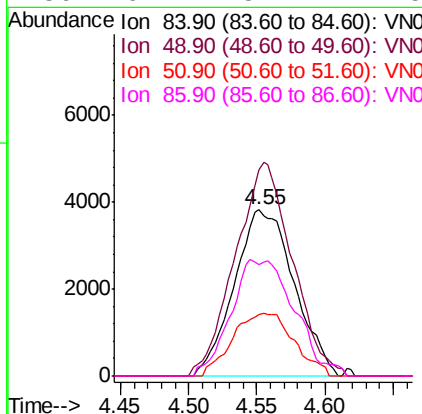
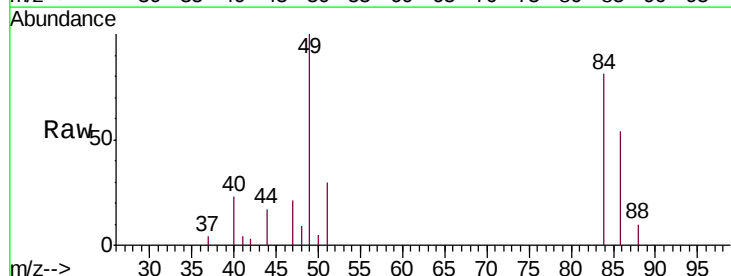
Instrument :
MSVOA_N
ClientSampleId :
PB116342ZHE#04

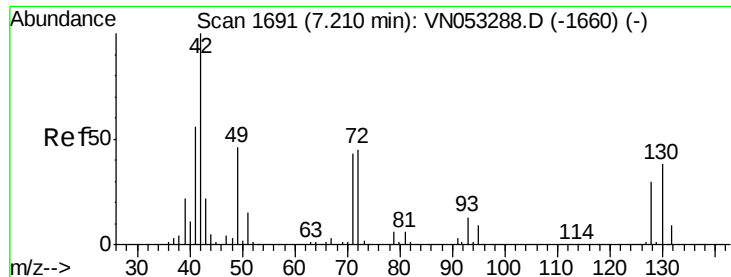
Tgt Ion: 43 Resp: 3671
Ion Ratio Lower Upper
43 100
74 17.3 19.8 29.8#



#20
Methylene Chloride
Concen: 1.046 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053391.D
Acq: 14 Jan 2019 15:04

Tgt Ion: 84 Resp: 11651
Ion Ratio Lower Upper
84 100
49 124.2 95.3 142.9
51 36.9 29.0 43.6
86 67.1 51.7 77.5





#29

Tetrahydrofuran

Concen: 0.444 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN053391.D

Acq: 14 Jan 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB116342ZHE#04

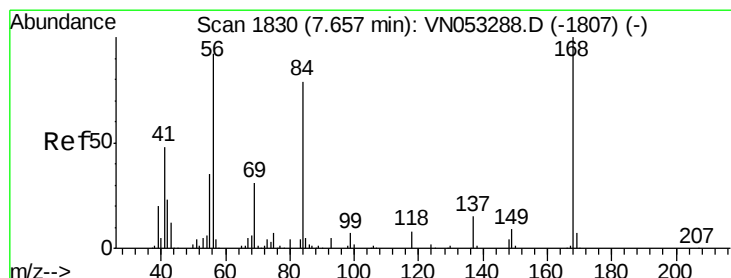
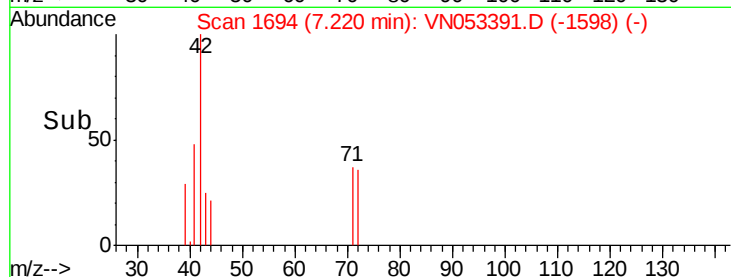
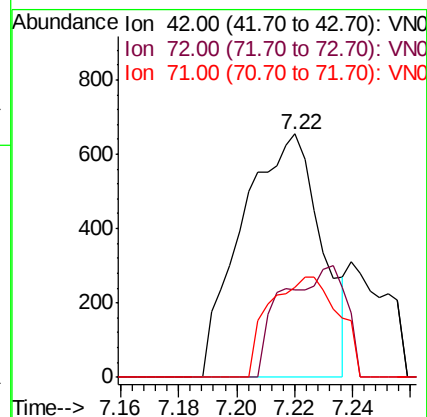
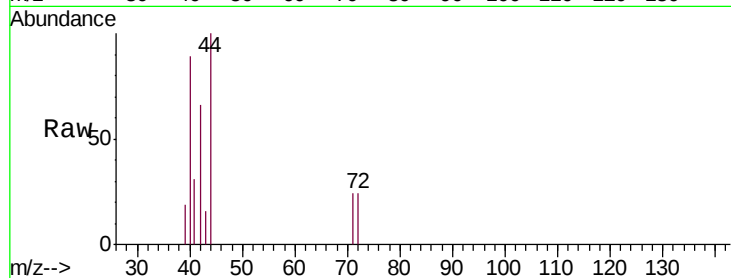
Tgt Ion: 42 Resp: 1248

Ion Ratio Lower Upper

42 100

72 36.5 35.6 53.4

71 35.7 33.8 50.8



#31

Cyclohexane

Concen: 0.714 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053391.D

Acq: 14 Jan 2019 15:04

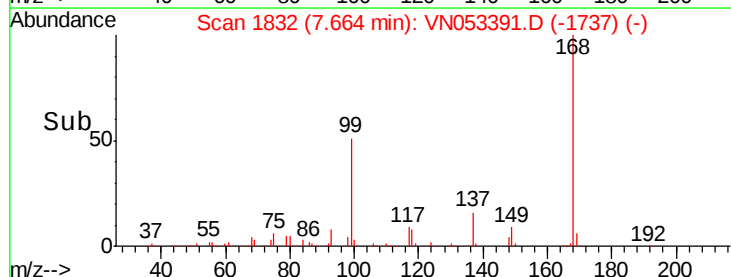
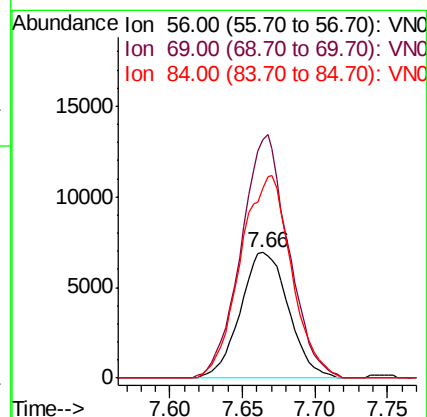
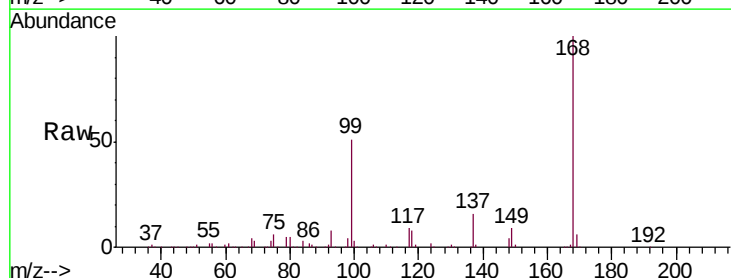
Tgt Ion: 56 Resp: 16032

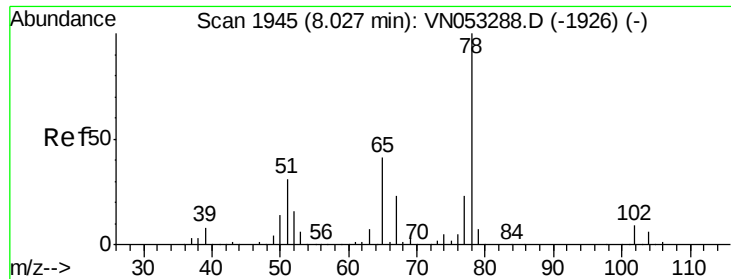
Ion Ratio Lower Upper

56 100

69 190.7 26.7 40.1#

84 151.3 68.2 102.4#

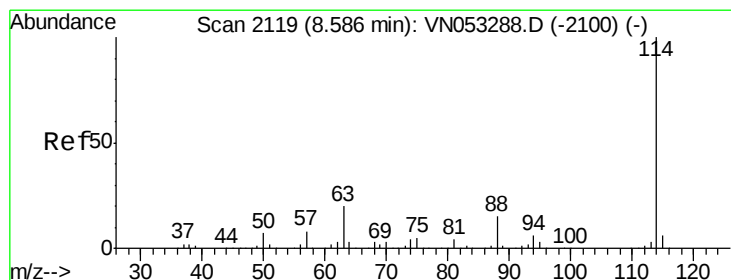
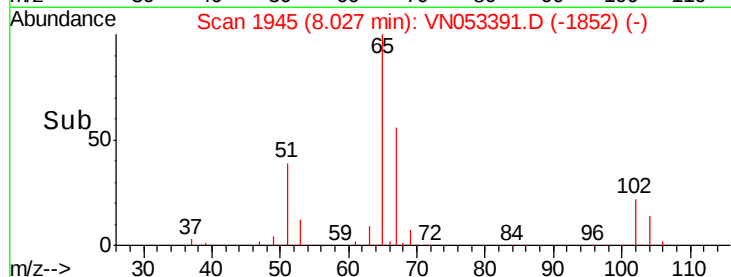
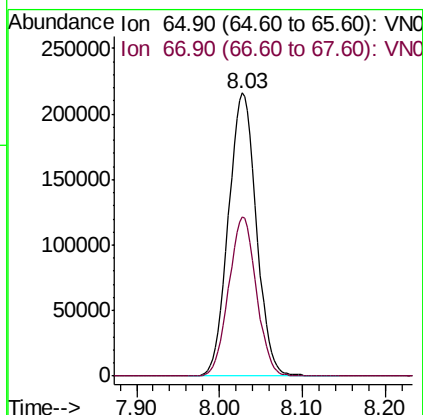
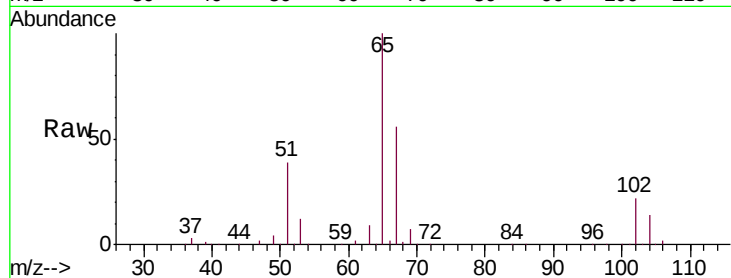




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053391.D
 Acq: 14 Jan 2019 15:04

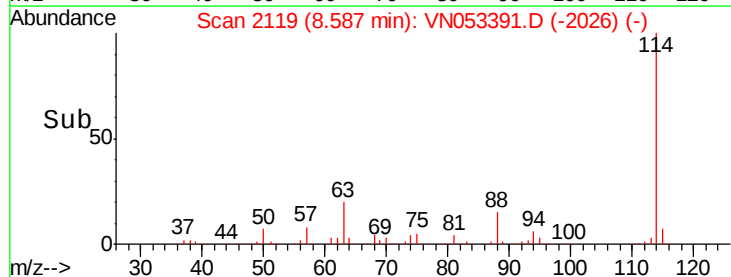
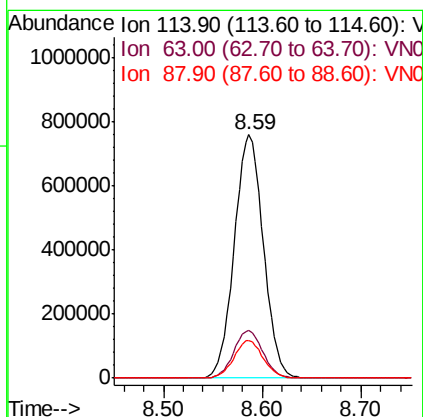
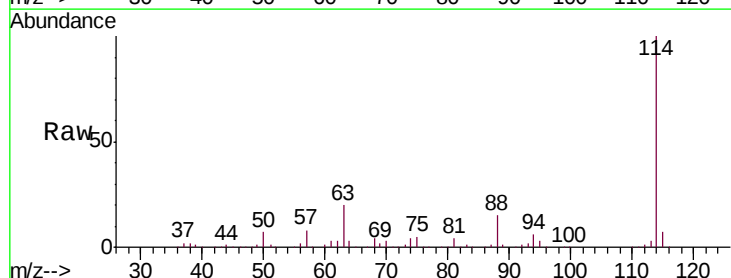
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116342ZHE#04

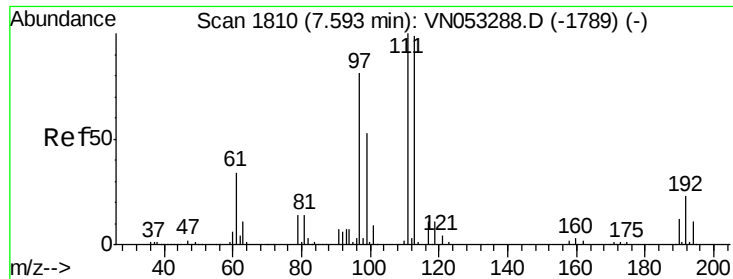
Tgt Ion: 65 Resp: 507652
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053391.D
 Acq: 14 Jan 2019 15:04

Tgt Ion: 114 Resp: 1555535
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.4 0.0 30.8

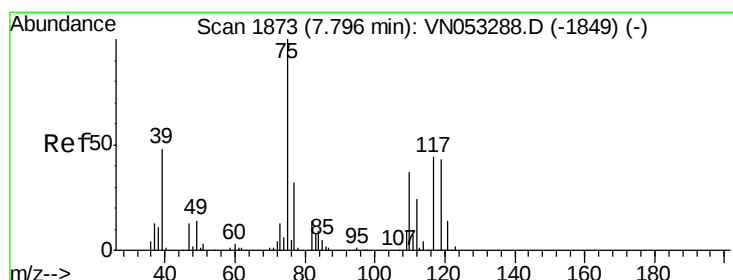
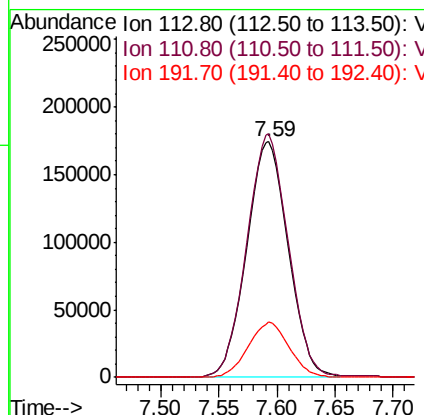
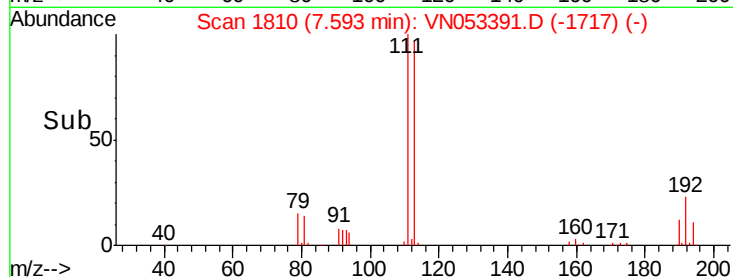
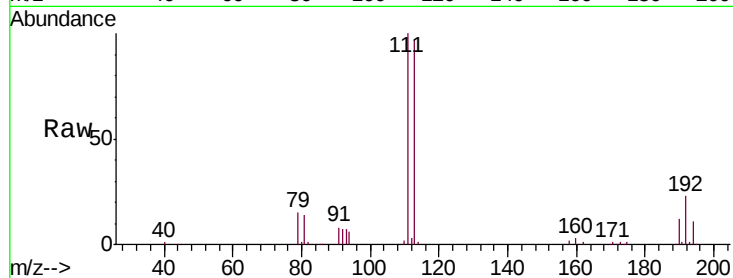




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053391.D
 Acq: 14 Jan 2019 15:04

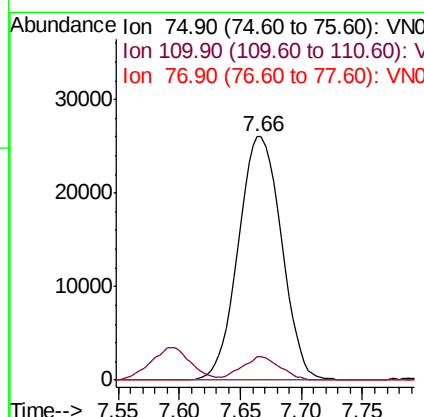
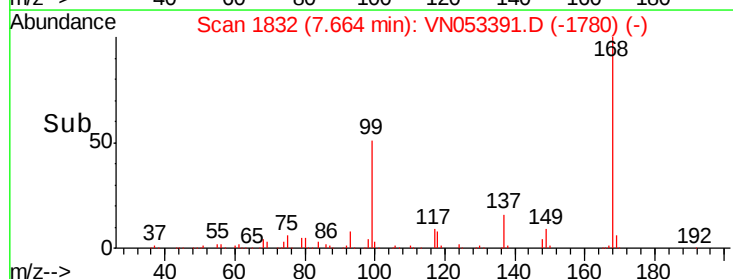
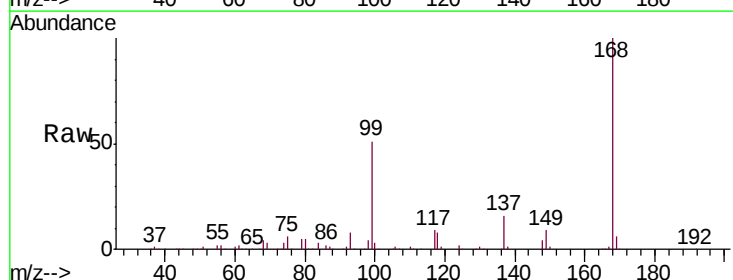
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116342ZHE#04

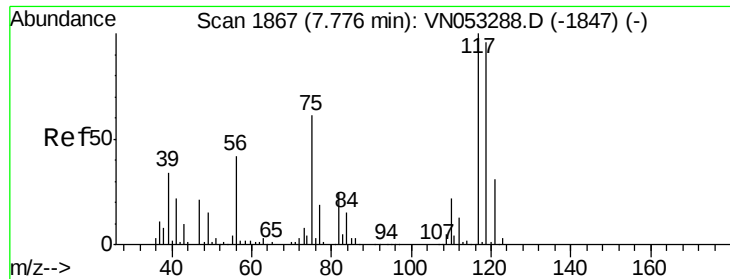
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.2
192	23.0	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.402 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053391.D
 Acq: 14 Jan 2019 15:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.4	55.0#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 6.460 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053391.D

Acq: 14 Jan 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB116342ZHE#04

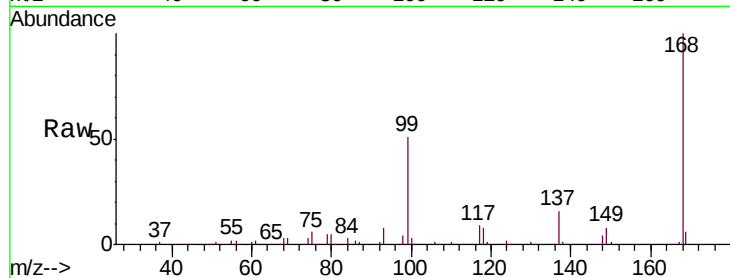
Tgt Ion: 117 Resp: 86594

Ion Ratio Lower Upper

117 100

119 5.9 76.6 115.0#

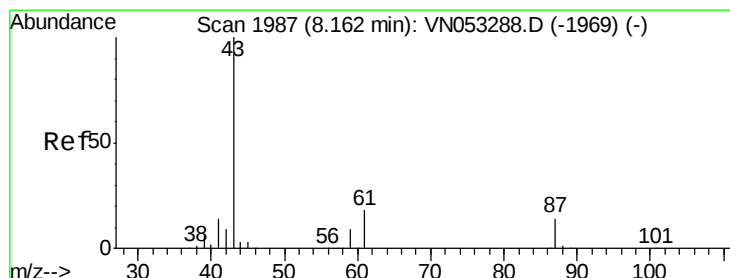
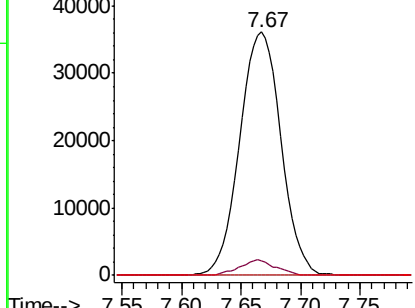
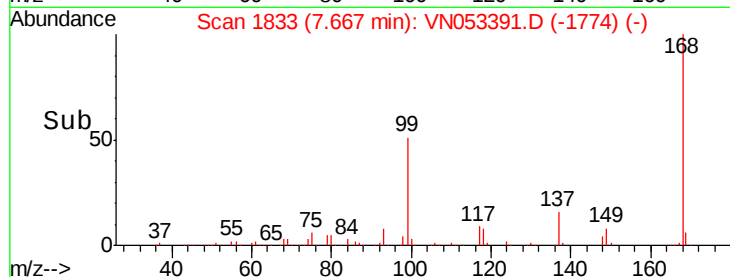
121 0.0 25.0 37.4#



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: 2.632 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053391.D

Acq: 14 Jan 2019 15:04

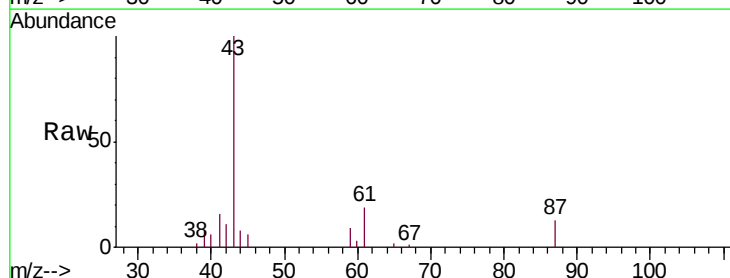
Tgt Ion: 43 Resp: 48984

Ion Ratio Lower Upper

43 100

61 15.9 23.3 34.9#

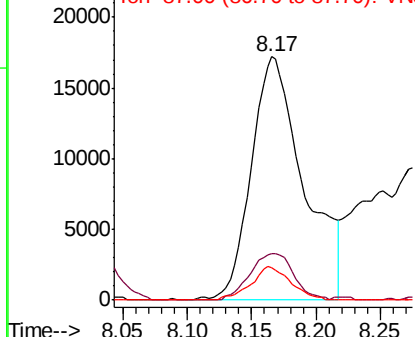
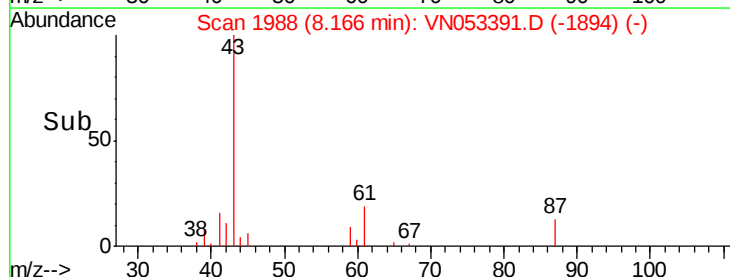
87 10.2 10.8 16.2#

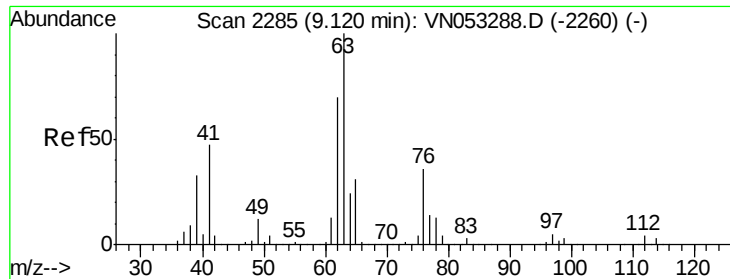


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.251 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN053391.D

Acq: 14 Jan 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

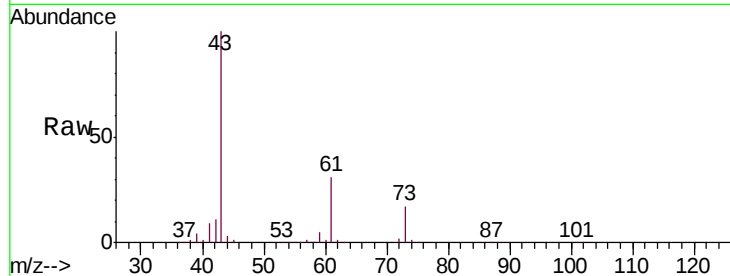
PB116342ZHE#04

Tgt Ion: 63 Resp: 2925

Ion Ratio Lower Upper

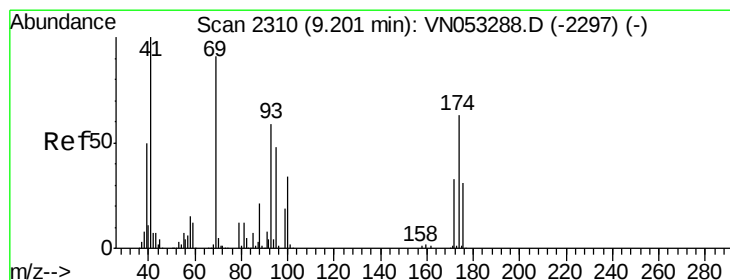
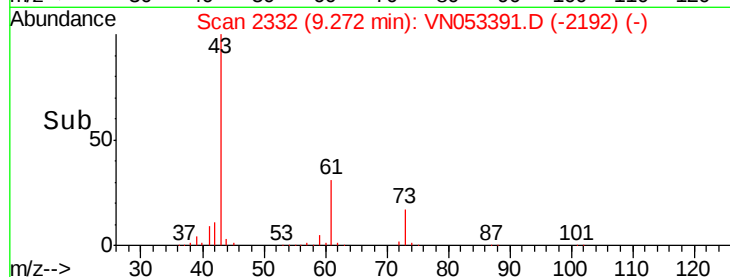
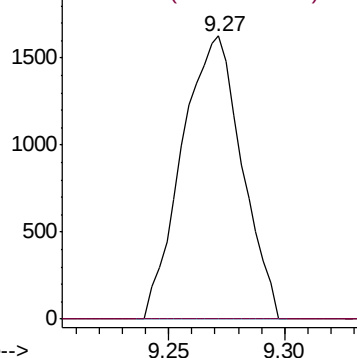
63 100

65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.674 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN053391.D

Acq: 14 Jan 2019 15:04

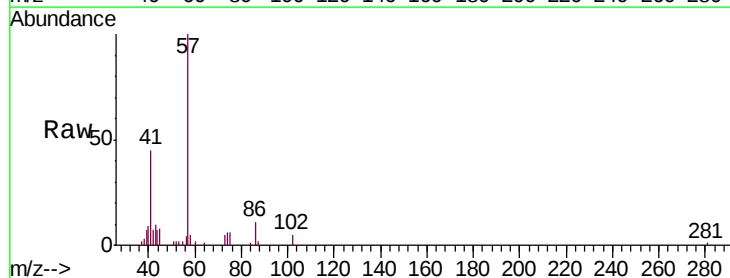
Tgt Ion: 41 Resp: 14153

Ion Ratio Lower Upper

41 100

69 0.0 73.5 110.3#

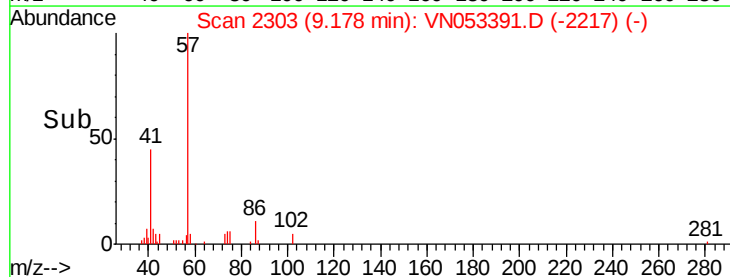
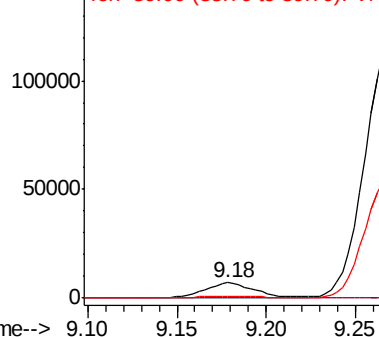
39 0.0 41.6 62.4#

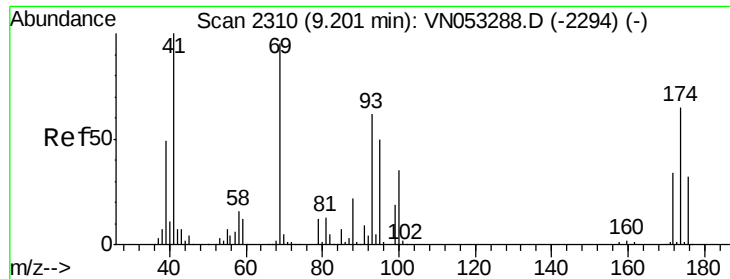


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 3.053 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN053391.D

Acq: 14 Jan 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB116342ZHE#04

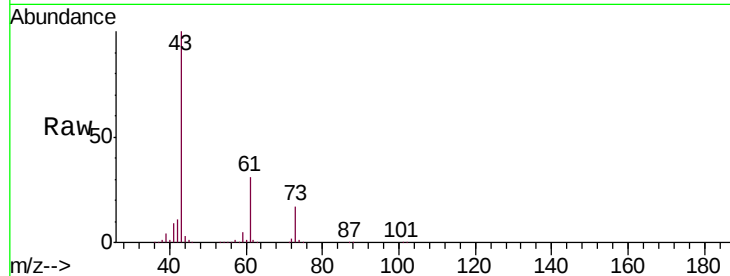
Tgt Ion: 88 Resp: 275

Ion Ratio Lower Upper

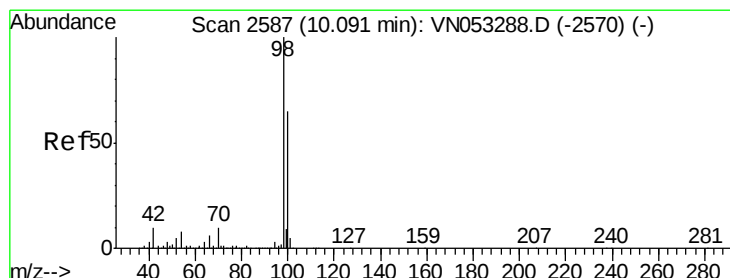
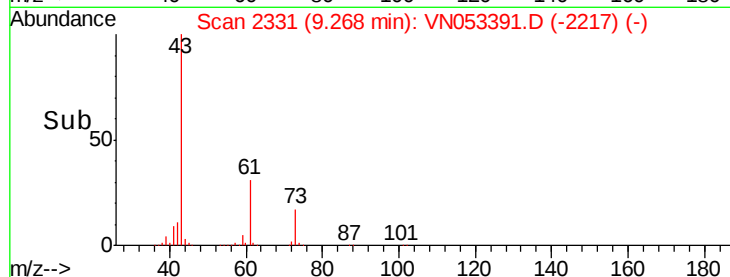
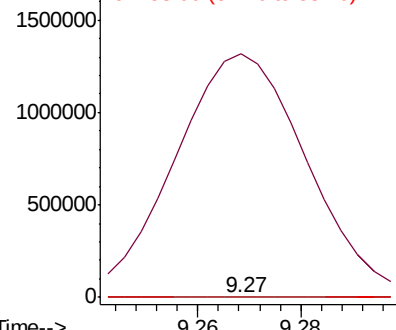
88 100

43 868960.4 26.2 39.4#

58 3900.4 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#50

Toluene-d8

Concen: 3.053 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053391.D

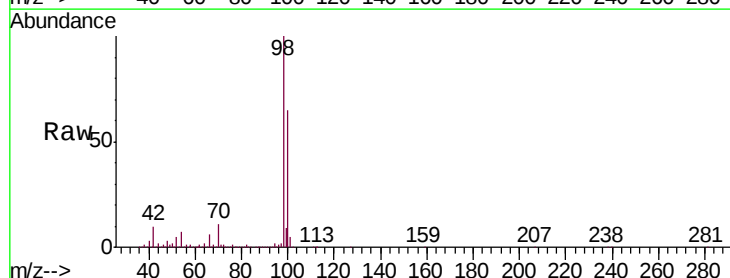
Acq: 14 Jan 2019 15:04

Tgt Ion: 98 Resp: 1958964

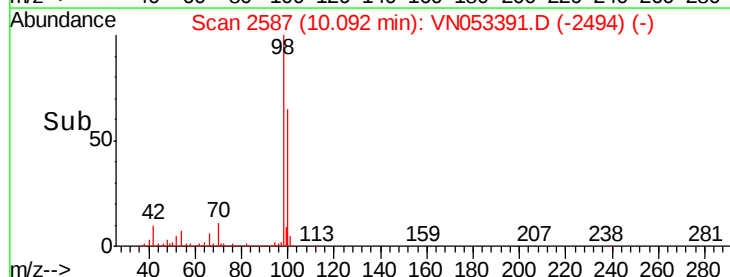
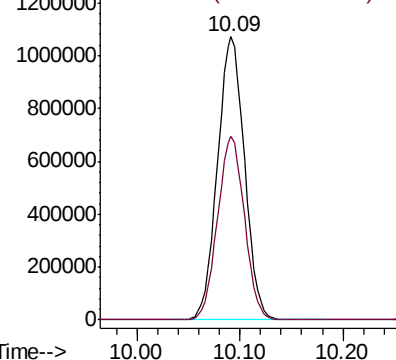
Ion Ratio Lower Upper

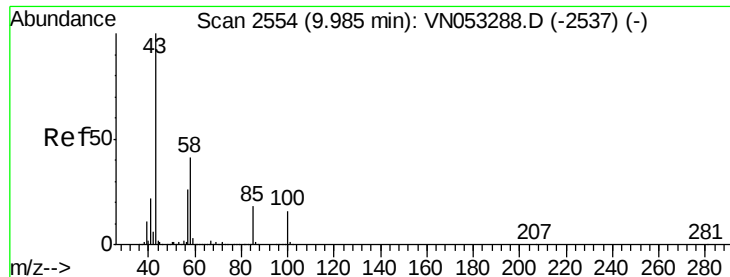
98 100

100 64.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO

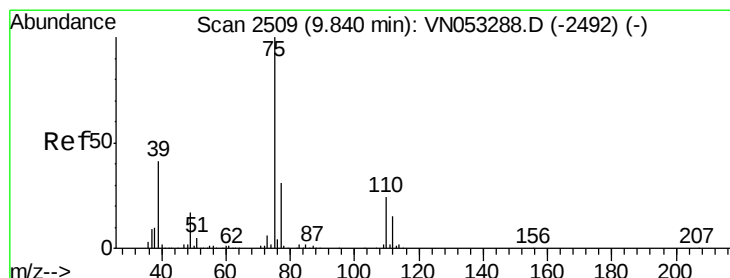
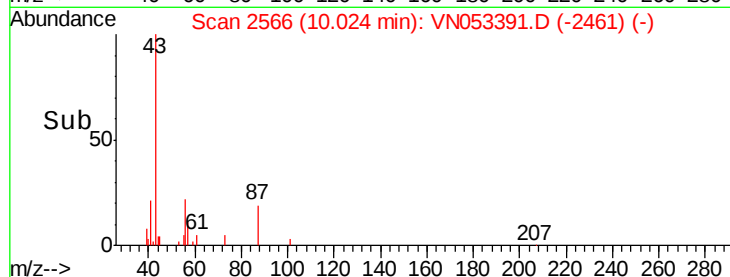
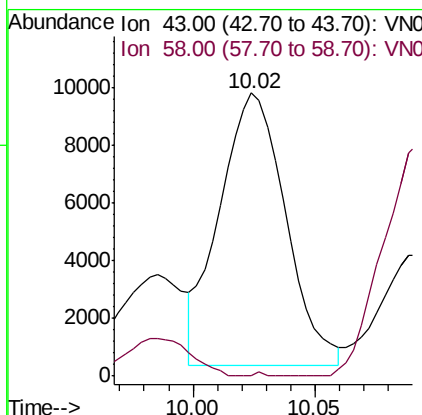
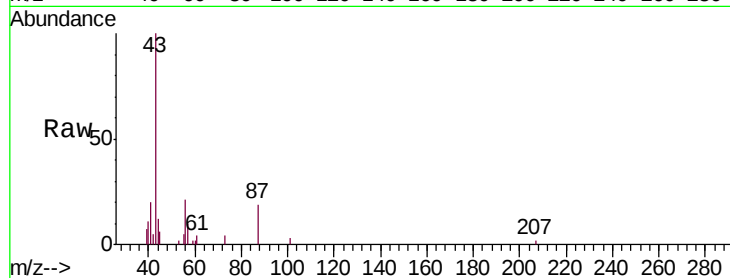




#51
 4-Methyl-2-Pentanone
 Concen: 1.900 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN053391.D
 Acq: 14 Jan 2019 15:04

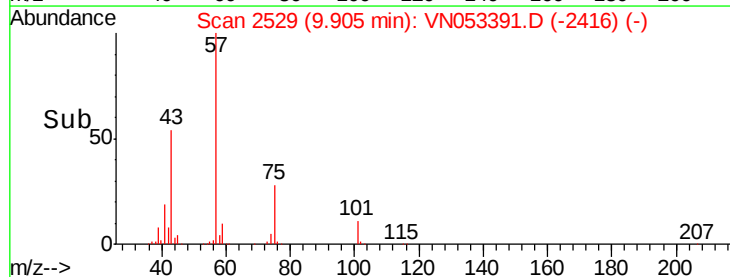
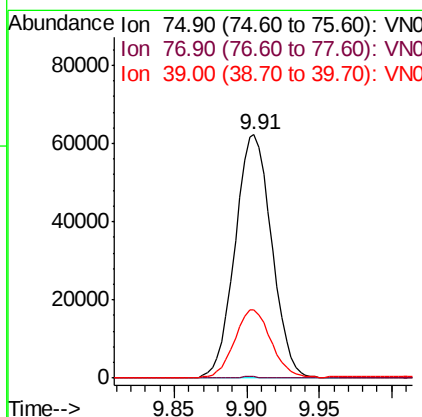
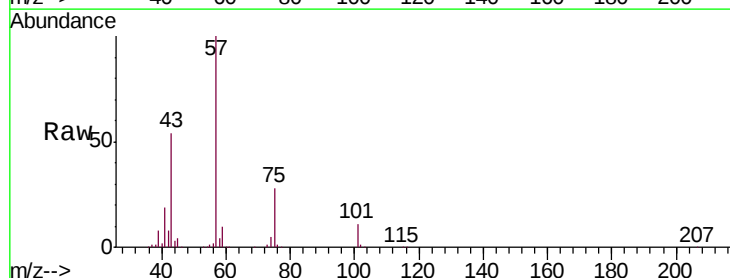
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116342ZHE#04

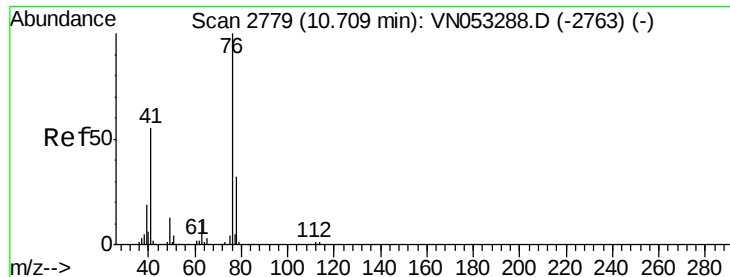
Tgt Ion: 43 Resp: 17779
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.7 49.1#



#54
 cis-1,3-Dichloropropene
 Concen: 6.547 ug/l
 RT: 9.91 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN053391.D
 Acq: 14 Jan 2019 15:04

Tgt Ion: 75 Resp: 109409
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.1 37.7#
 39 28.0 33.1 49.7#

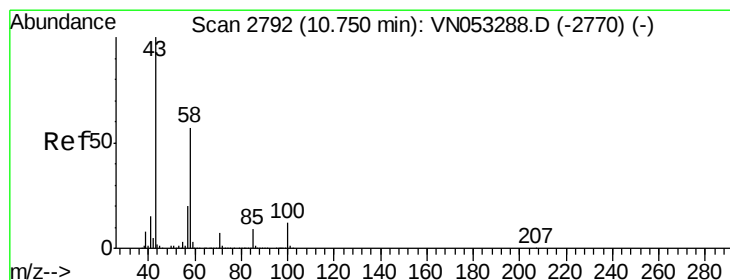
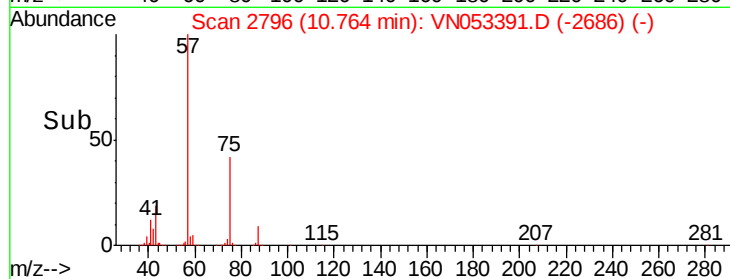
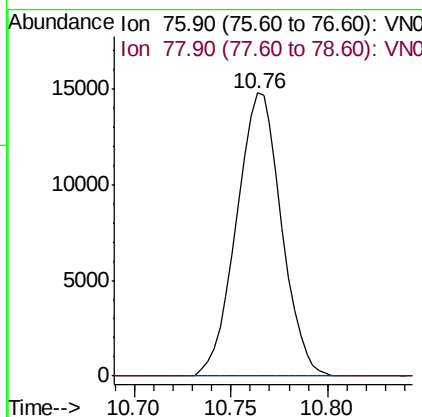
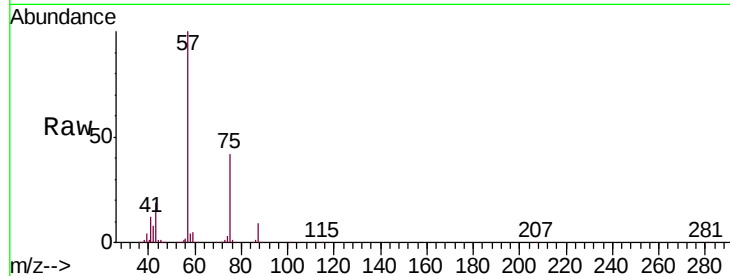




#57
 1,3-Dichloropropane
 Concen: 1.427 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053391.D
 Acq: 14 Jan 2019 15:04

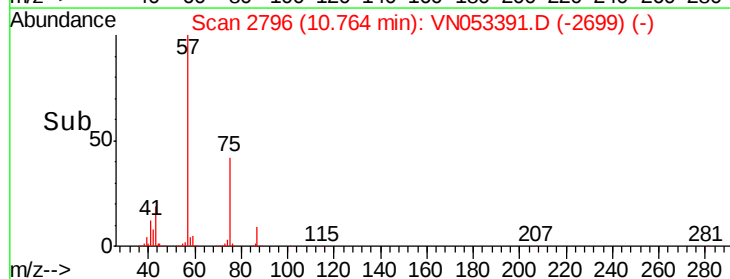
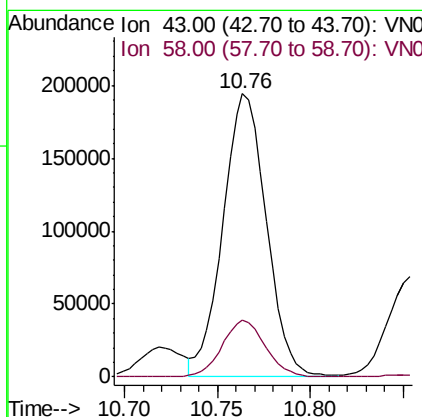
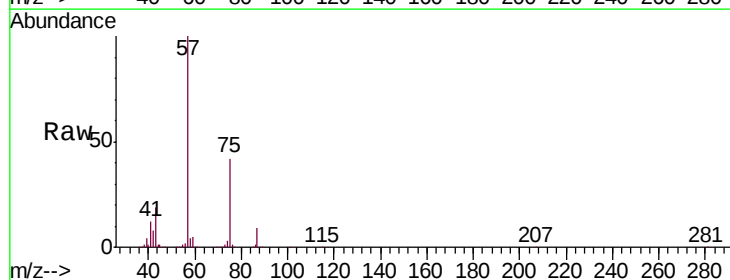
Instrument :
 MSVOA_N
 ClientSampleId :
 PB116342ZHE#04

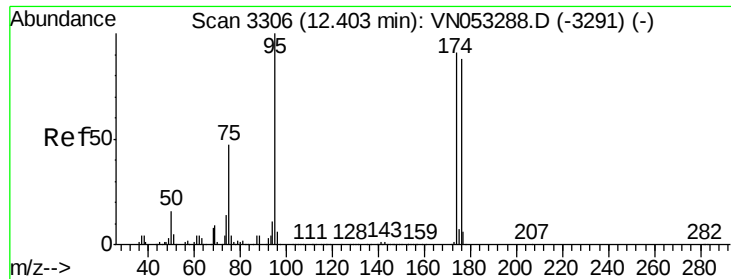
Tgt Ion: 76 Resp: 23887
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 48.974 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053391.D
 Acq: 14 Jan 2019 15:04

Tgt Ion: 43 Resp: 314001
 Ion Ratio Lower Upper
 43 100
 58 20.2 28.3 85.0#

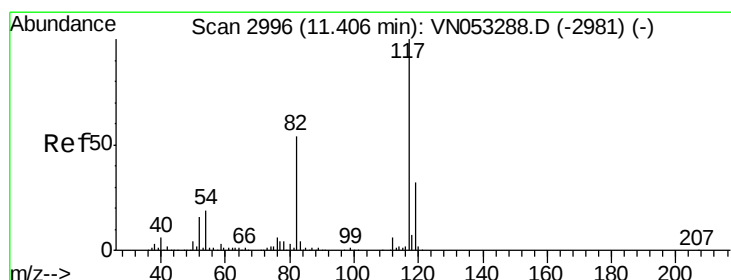
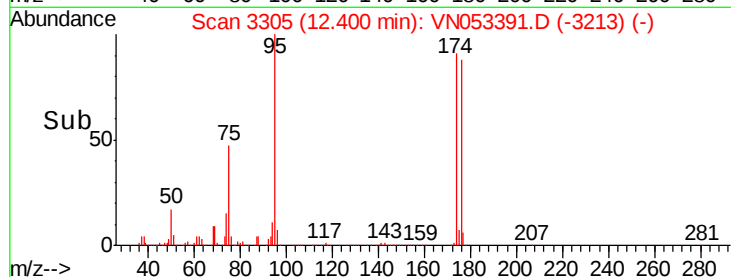
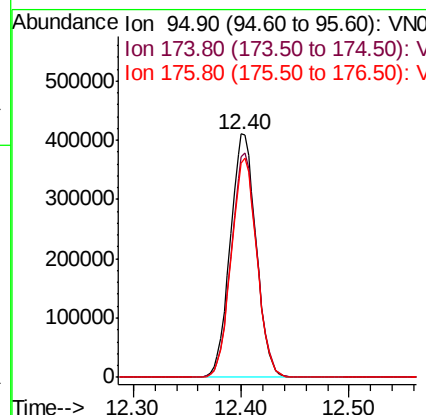
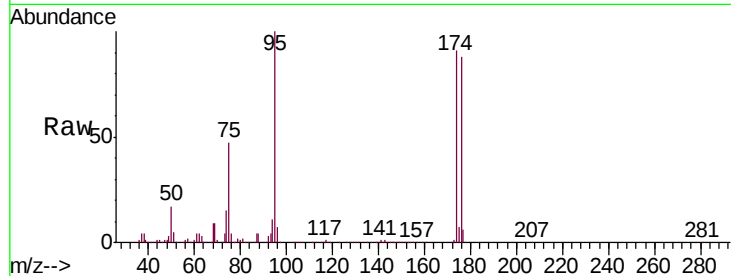




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053391.D
Acq: 14 Jan 2019 15:04

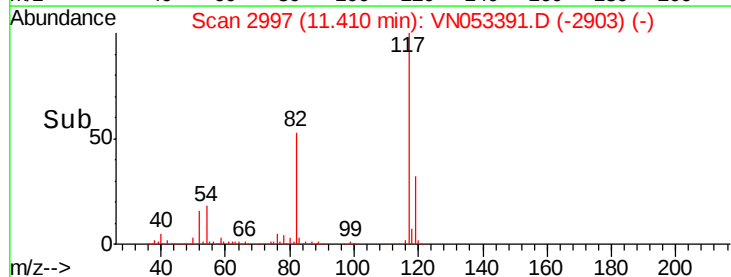
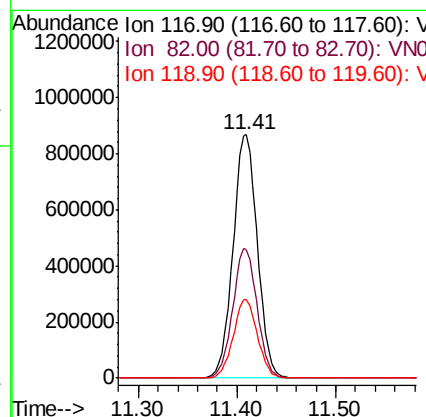
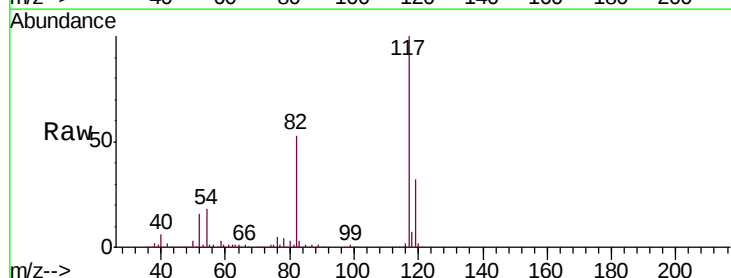
Instrument :
MSVOA_N
ClientSampleId :
PB116342ZHE#04

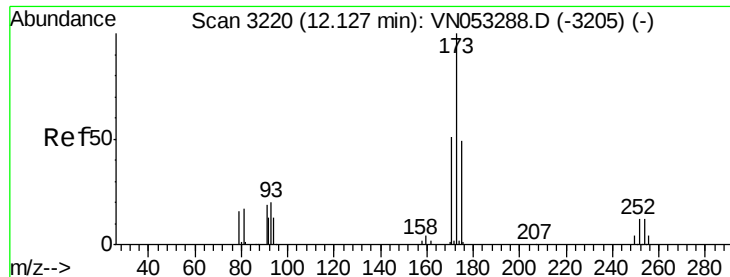
Tgt Ion: 95 Resp: 685279
Ion Ratio Lower Upper
95 100
174 91.3 0.0 180.4
176 88.9 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053391.D
Acq: 14 Jan 2019 15:04

Tgt Ion: 117 Resp: 1493987
Ion Ratio Lower Upper
117 100
82 52.9 42.9 64.3
119 32.3 25.6 38.4

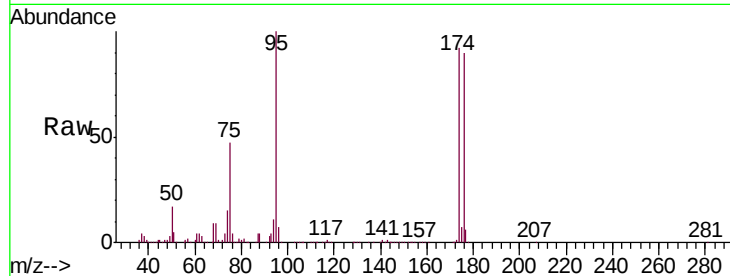




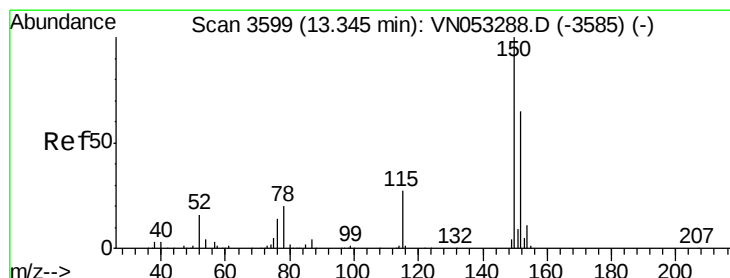
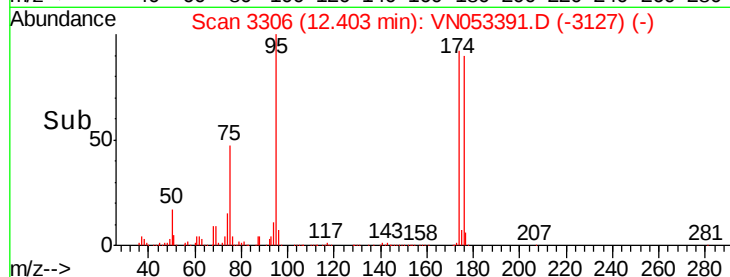
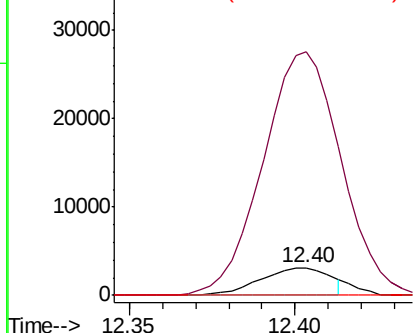
#71
Bromoform
Concen: 0.574 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053391.D
Acq: 14 Jan 2019 15:04

Instrument :
MSVOA_N
ClientSampleId :
PB116342ZHE#04

Tgt Ion:173 Resp: 4602
Ion Ratio Lower Upper
173 100
175 861.8 24.3 72.8#
254 0.0 0.2 0.2#

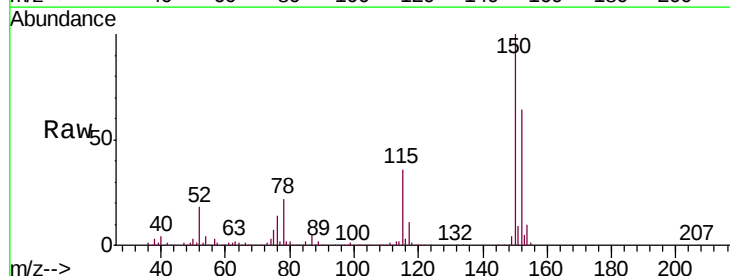


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

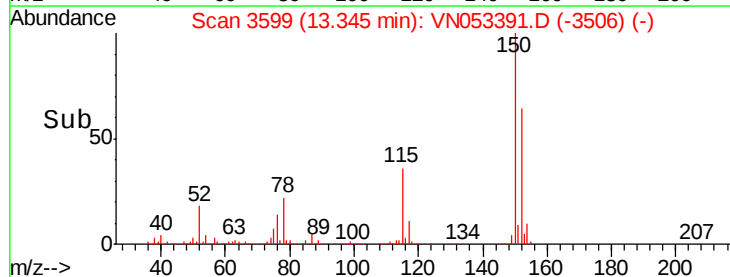
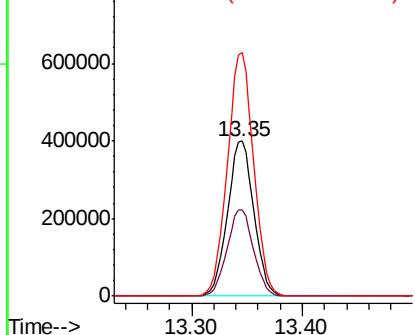


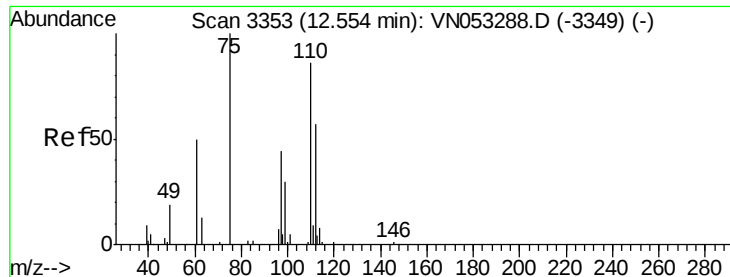
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053391.D
Acq: 14 Jan 2019 15:04

Tgt Ion:152 Resp: 658741
Ion Ratio Lower Upper
152 100
115 56.3 28.0 84.0
150 157.0 0.0 346.6



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: 33.442 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053391.D

Acq: 14 Jan 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

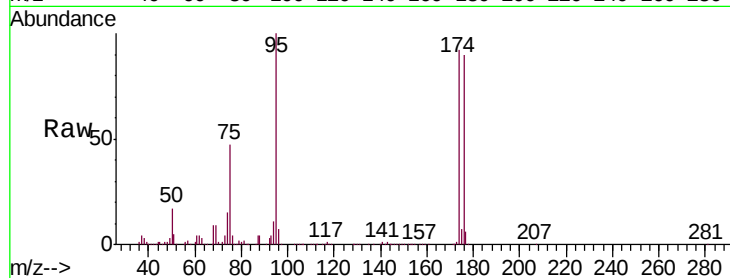
PB116342ZHE#04

Tgt Ion: 75 Resp: 321317

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053391.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053391.D (-3260) (-)

12.40

200000

150000

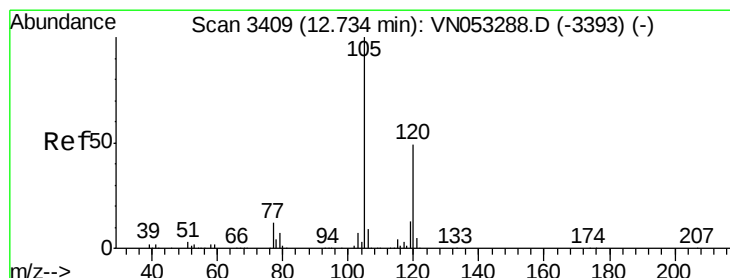
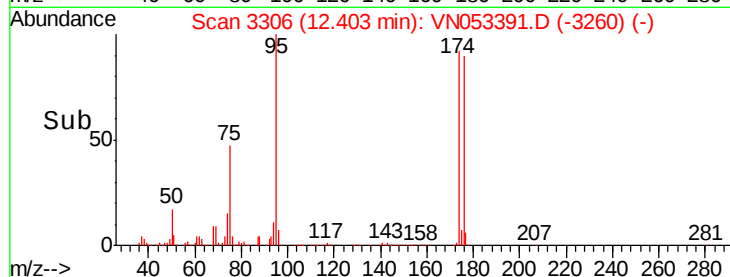
100000

50000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.274 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053391.D

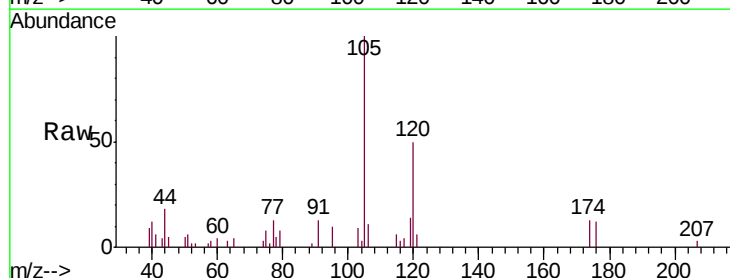
Acq: 14 Jan 2019 15:04

Tgt Ion: 105 Resp: 10829

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053391.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN053391.D (-3316) (-)

12.73

8000

6000

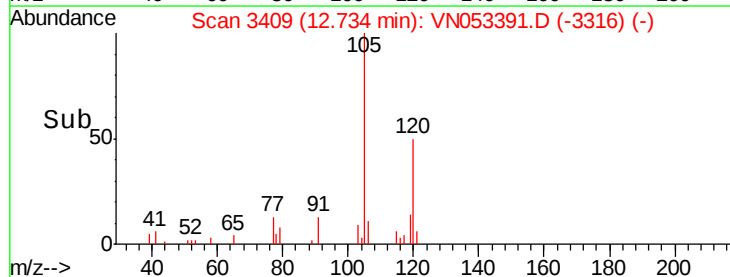
4000

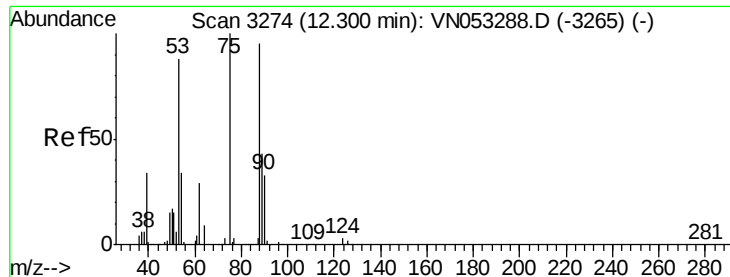
2000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 98.393 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053391.D

Acq: 14 Jan 2019 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB116342ZHE#04

Tgt Ion: 75 Resp: 321317

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 35.4 53.0#

