

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053791.D
 Acq On : 15 Feb 2019 11:10
 Operator : JC/SP
 Sample : VN0215WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 23:22:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	629358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1031709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	948313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	359088	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	332052	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
35) Dibromofluoromethane	7.59	113	330304	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	10.09	98	1246348	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	407555	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	

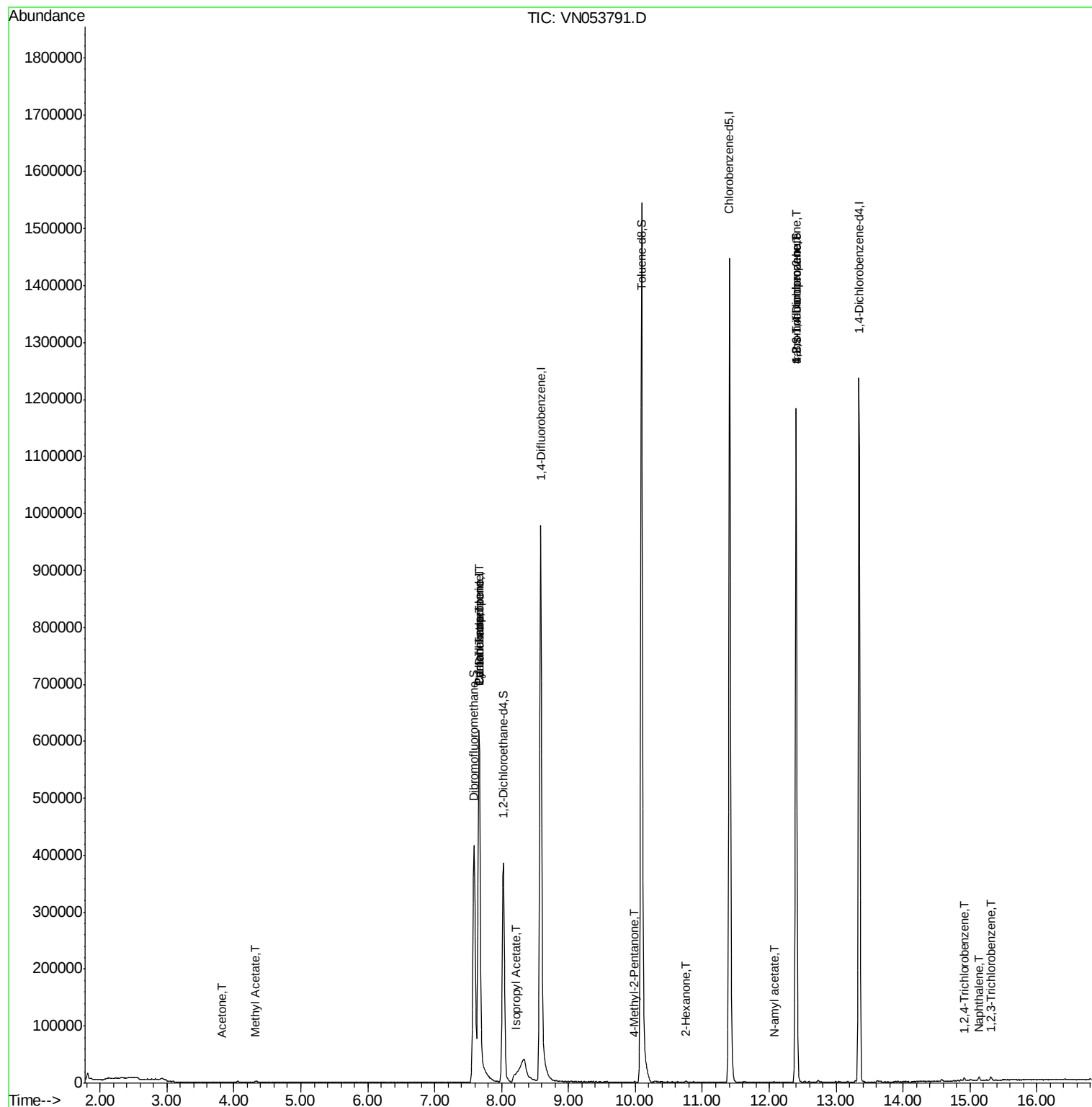
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	1107	0.684	ug/l #	41
18) Methyl Acetate	4.32	43	4458	0.930	ug/l #	69
31) Cyclohexane	7.66	56	8945	0.671	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	35664	3.835	ug/l #	48
38) Carbon Tetrachloride	7.66	117	50812	5.423	ug/l #	16
43) Isopropyl Acetate	8.20	43	10769	1.074	ug/l #	51
51) 4-Methyl-2-Pentanone	9.99	43	1120	0.227	ug/l #	34
59) 2-Hexanone	10.75	43	1356	0.405	ug/l	87
74) N-amyl acetate	12.07	43	1245	0.205	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	186798	40.500	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	186798	113.884	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2208	0.329	ug/l	98
95) Naphthalene	15.13	128	5716	2.086	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.31	180	2935	0.471	ug/l	92

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053791.D

Acq: 15 Feb 2019 11:10

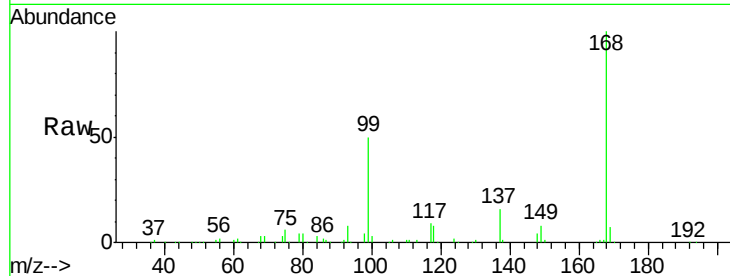
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 629358

Ion Ratio Lower Upper

168 100

99 49.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

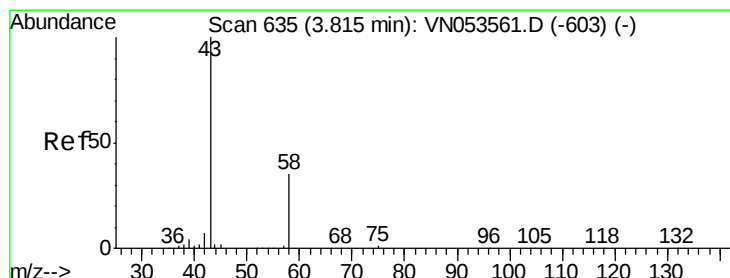
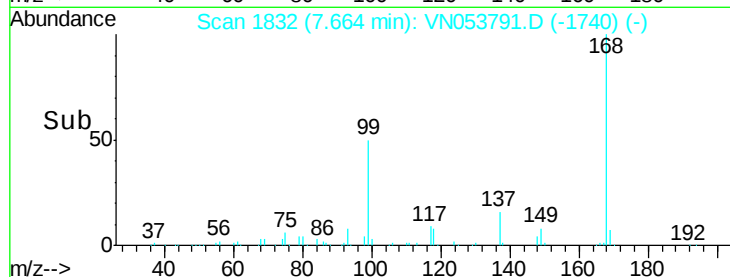
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.684 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053791.D

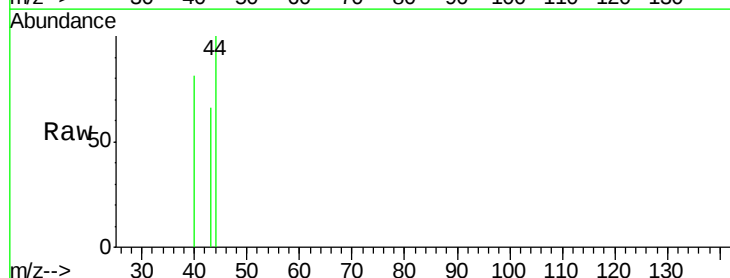
Acq: 15 Feb 2019 11:10

Tgt Ion: 43 Resp: 1107

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

600

500

400

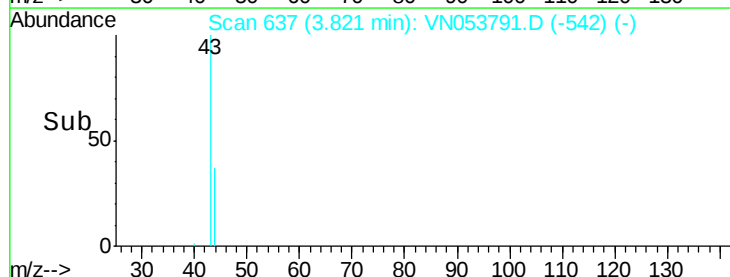
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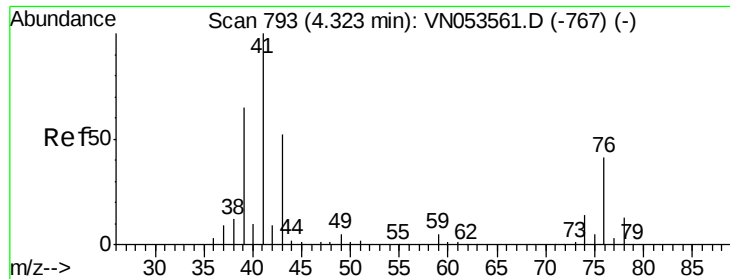
200

100

0

Time-->

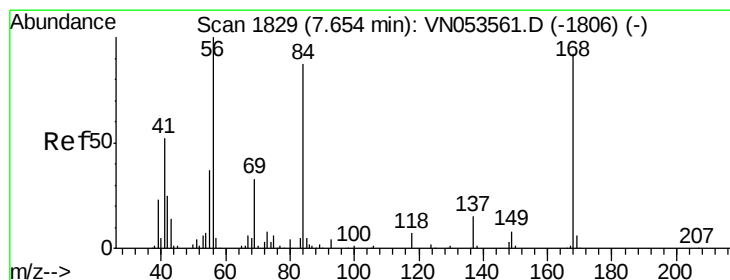
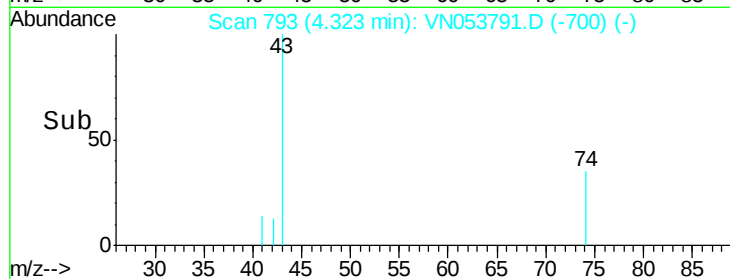
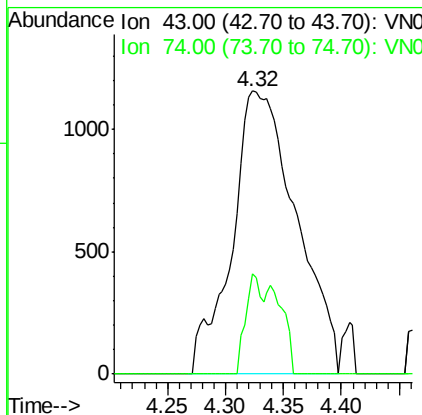
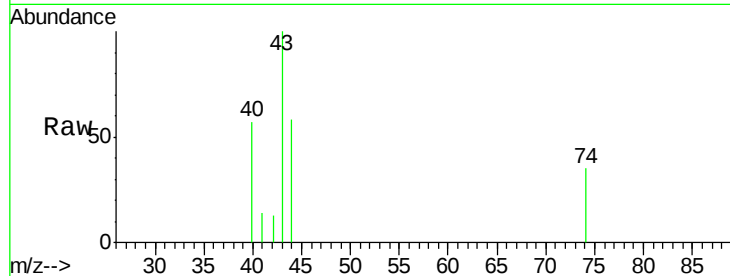




#18
Methvl Acetate
Concen: 0.930 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053791.D
Acq: 15 Feb 2019 11:10

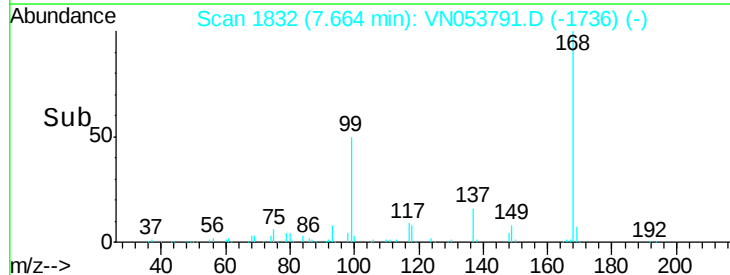
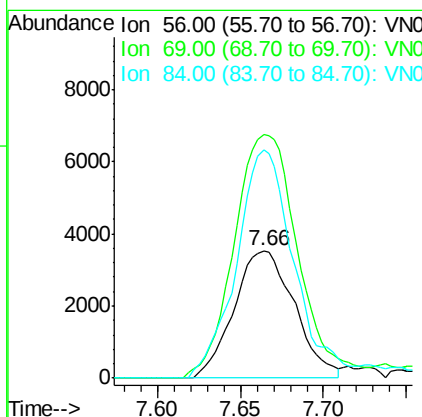
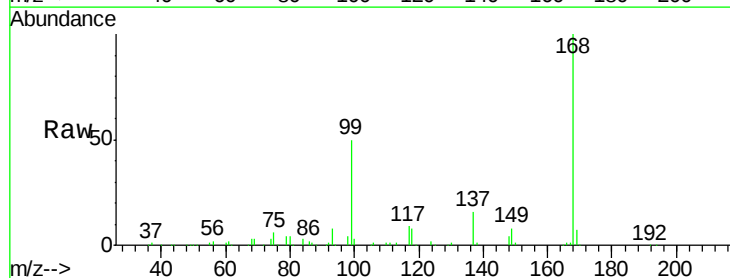
Instrument :
MSVOA_N
ClientSampleId :

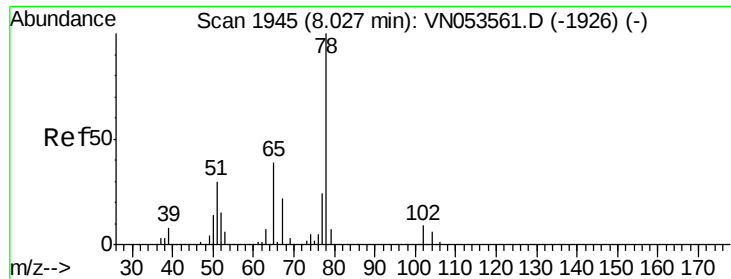
Tot Ion: 43 Resp: 4458
Ion Ratio Lower Upper
43 100
74 9.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.671 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053791.D
Acq: 15 Feb 2019 11:10

Tgt Ion: 56 Resp: 8945
Ion Ratio Lower Upper
56 100
69 186.7 26.4 39.6#
84 180.0 67.9 101.9#

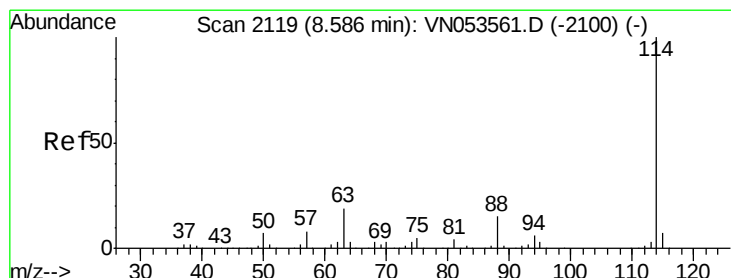
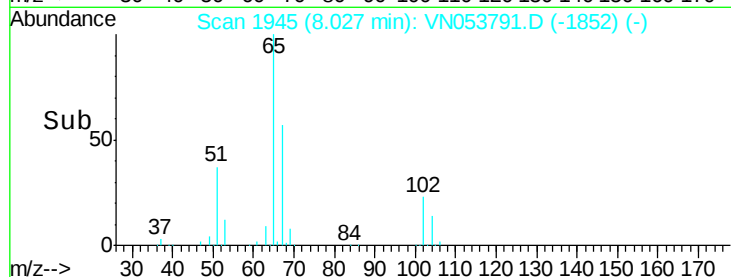
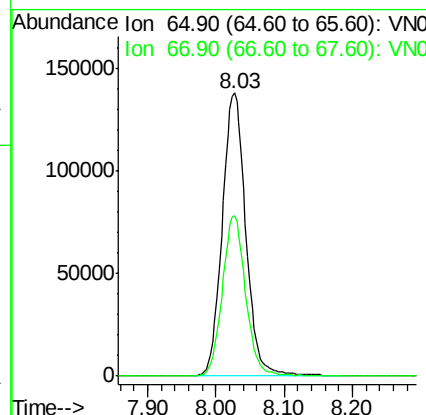
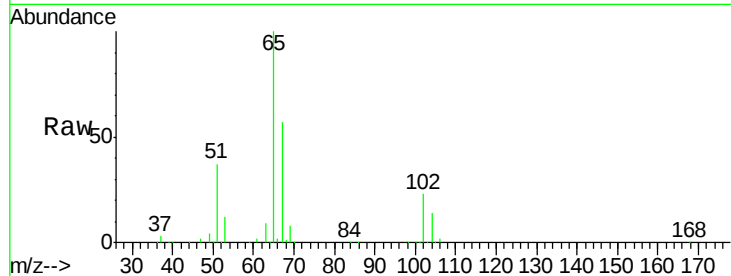




#33
 1,2-Dichloroethane-d4
 Concen: 52.593 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053791.D
 Acq: 15 Feb 2019 11:10

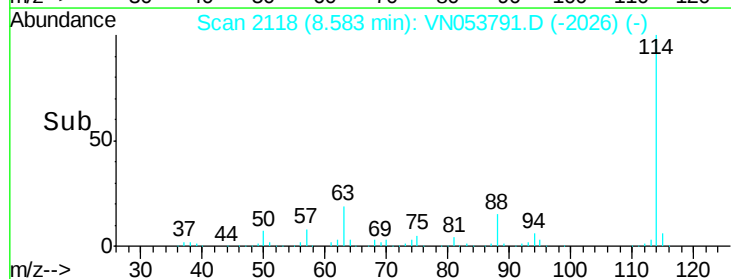
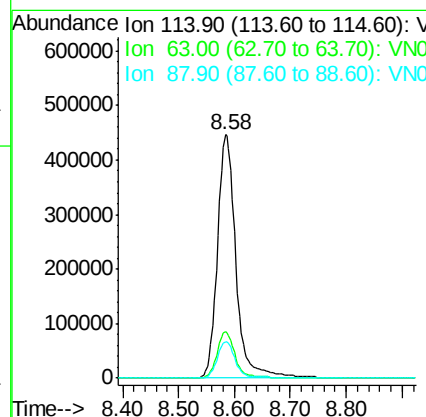
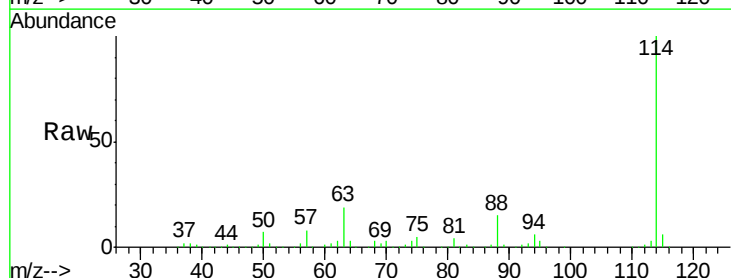
Instrument :
 MSVOA_N
 ClientSampled :

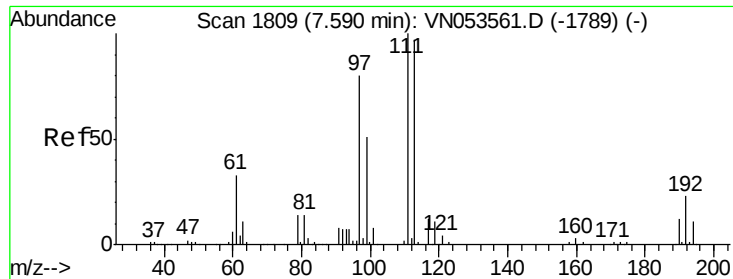
Tot Ion: 65 Resp: 332052
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053791.D
 Acq: 15 Feb 2019 11:10

Tgt Ion: 114 Resp: 1031709
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.667 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053791.D

Acq: 15 Feb 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :

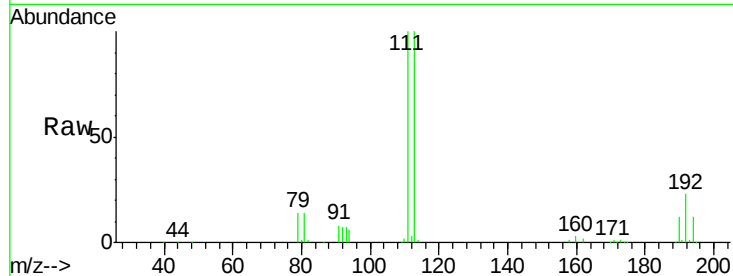
Tot Ion:113 Resp: 330304

Ion Ratio Lower Upper

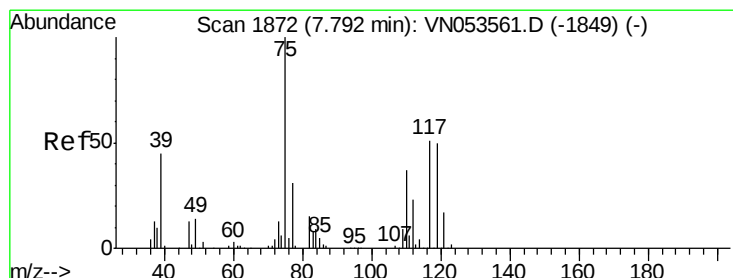
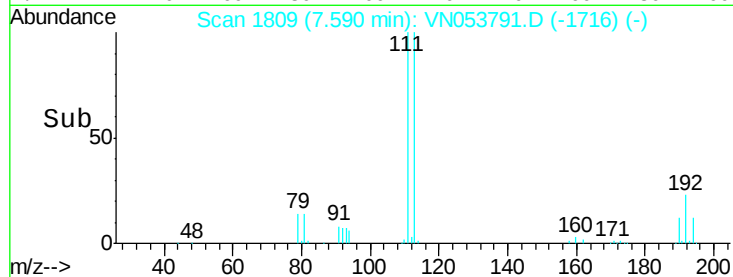
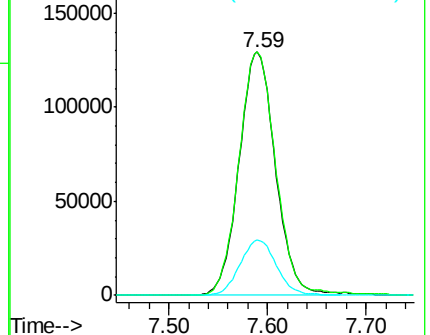
113 100

111 101.7 81.1 121.7

192 22.8 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.835 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053791.D

Acq: 15 Feb 2019 11:10

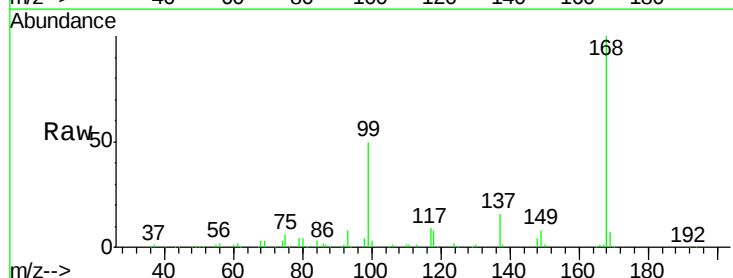
Tgt Ion: 75 Resp: 35664

Ion Ratio Lower Upper

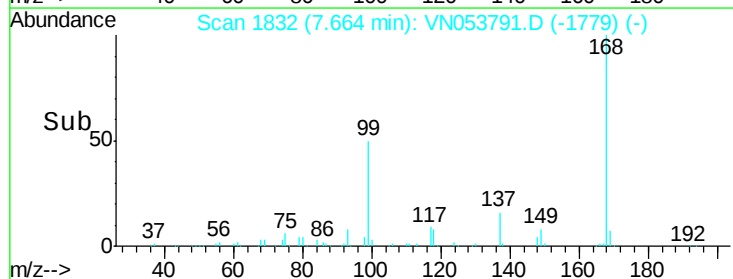
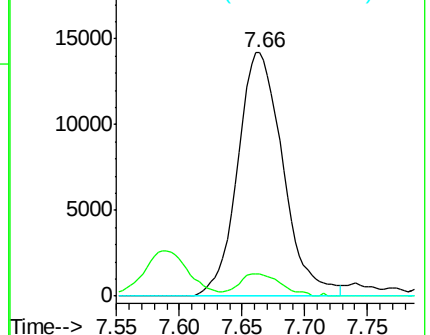
75 100

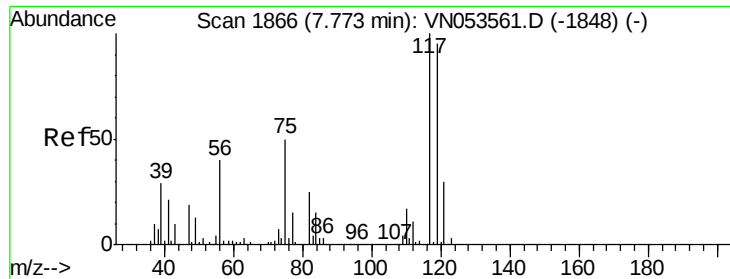
110 8.5 18.1 54.3#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO

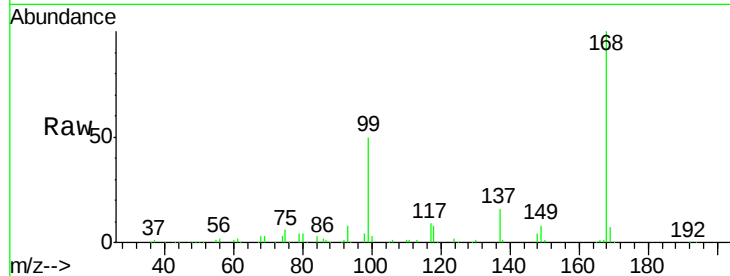




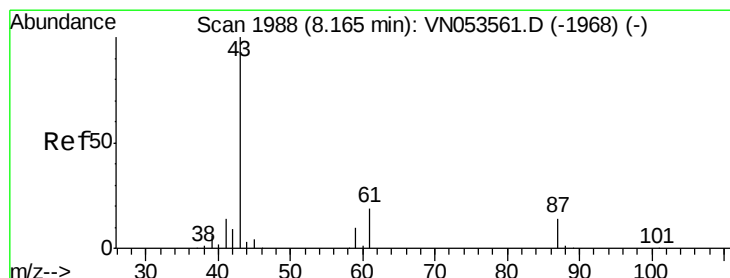
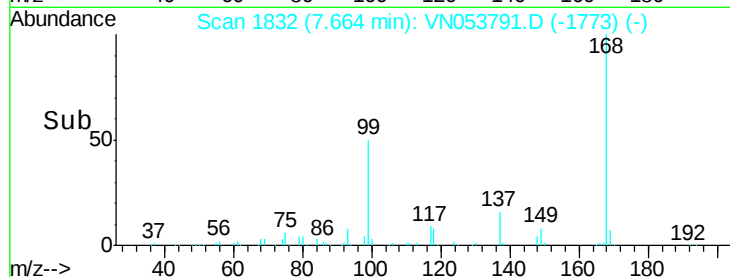
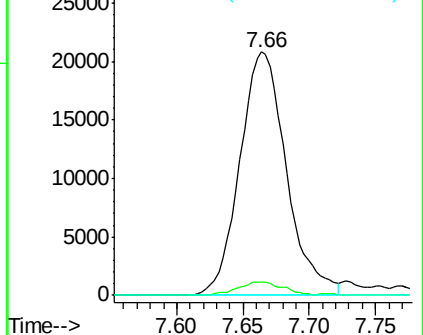
#38
 Carbon Tetrachloride
 Concen: 5.423 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN053791.D
 Acq: 15 Feb 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:117 Resp: 50812
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.2 115.8#
 121 0.0 24.6 37.0#

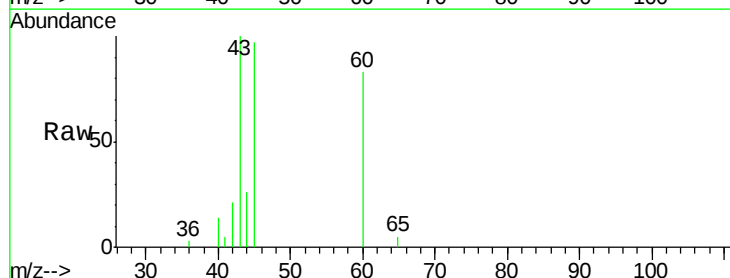


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

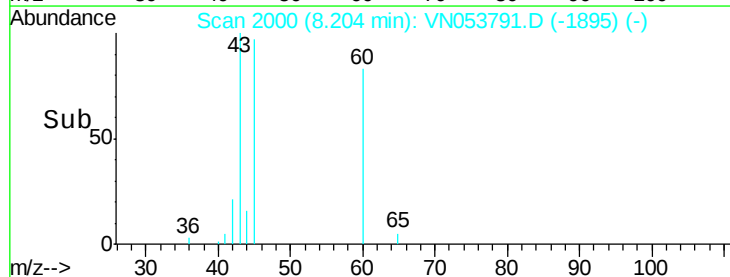
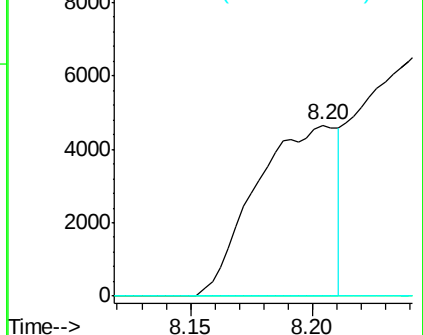


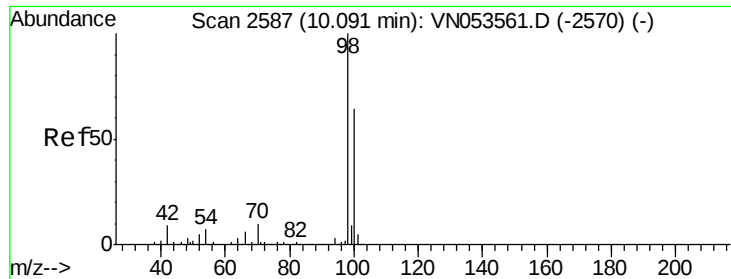
#43
 Isopropyl Acetate
 Concen: 1.074 ug/l
 RT: 8.20 min Scan# 2000
 Delta R.T. 0.04 min
 Lab File: VN053791.D
 Acq: 15 Feb 2019 11:10

Tgt Ion: 43 Resp: 10769
 Ion Ratio Lower Upper
 43 100
 61 0.0 23.9 35.9#
 87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 87.00 (86.70 to 87.70): VNO

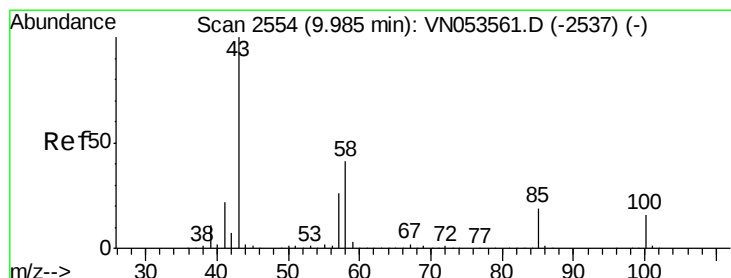
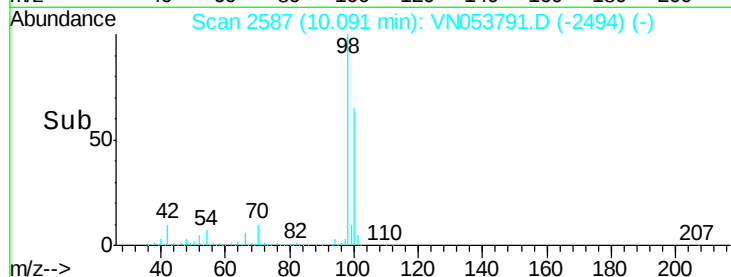
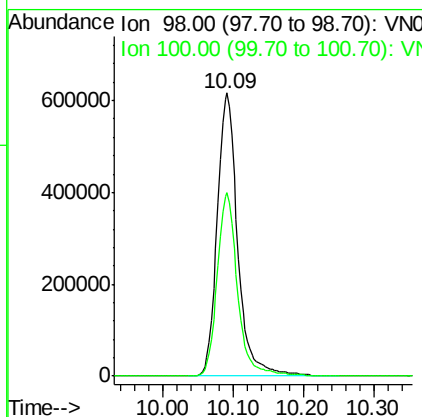
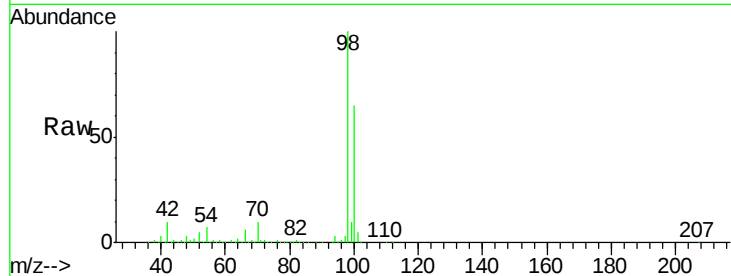




#50
Toluene-d8
Concen: 50.917 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053791.D
Acq: 15 Feb 2019 11:10

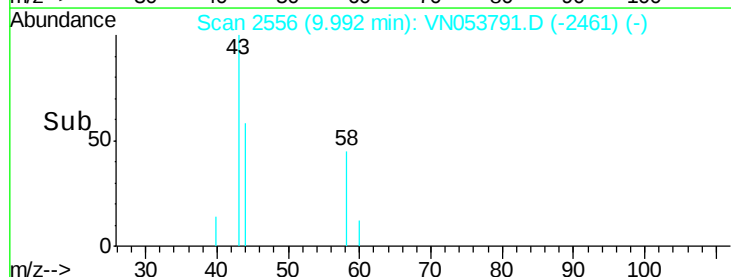
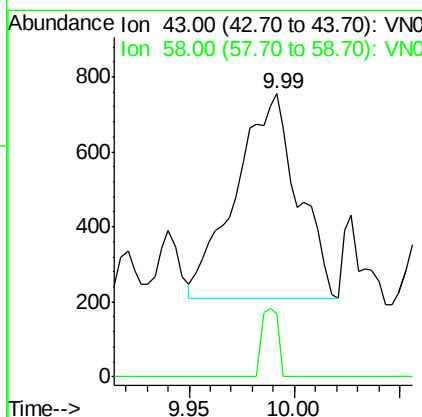
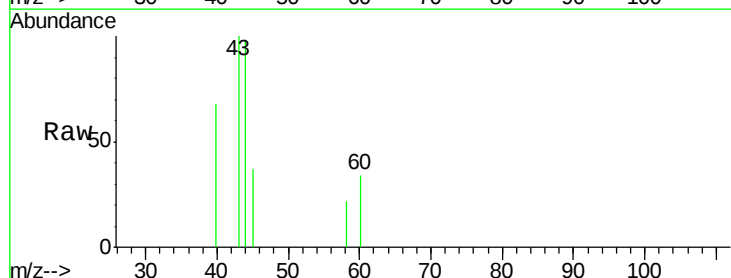
Instrument :
MSVOA_N
ClientSampled :

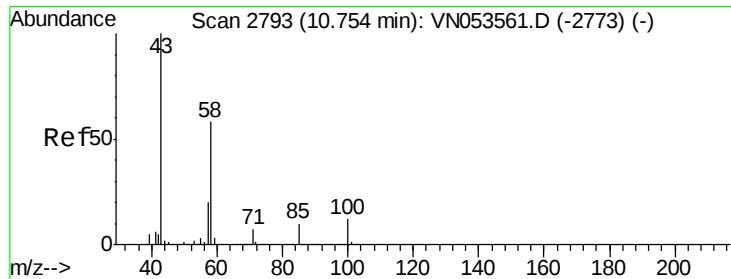
Tot Ion: 98 Resp: 1246348
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.227 ug/l
RT: 9.99 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN053791.D
Acq: 15 Feb 2019 11:10

Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#

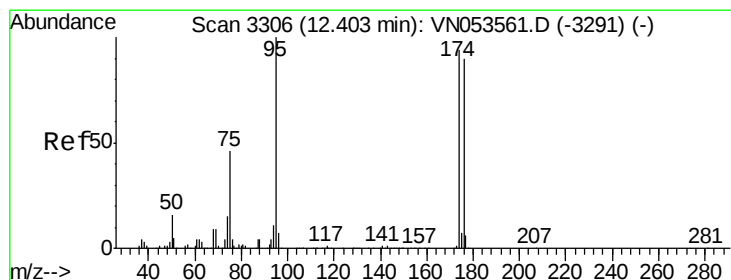
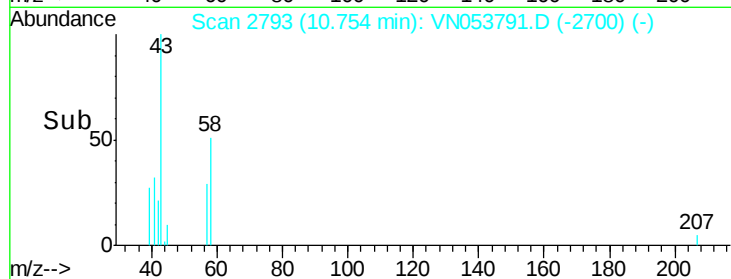
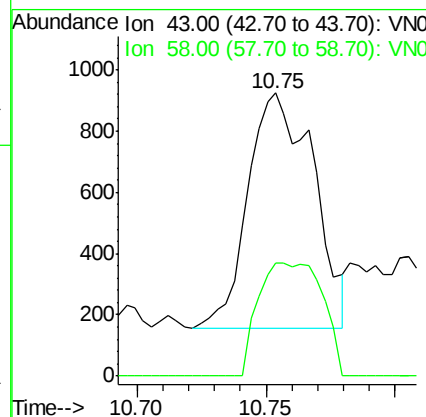
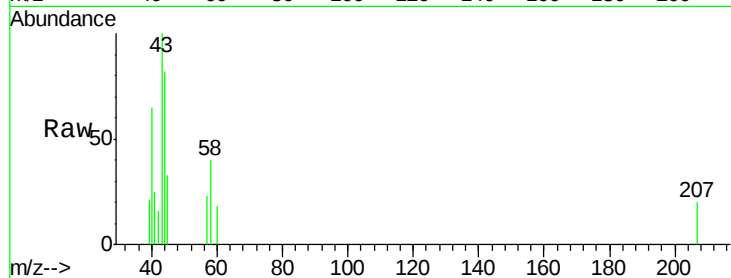




#59
2-Hexanone
Concen: 0.405 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053791.D
Acq: 15 Feb 2019 11:10

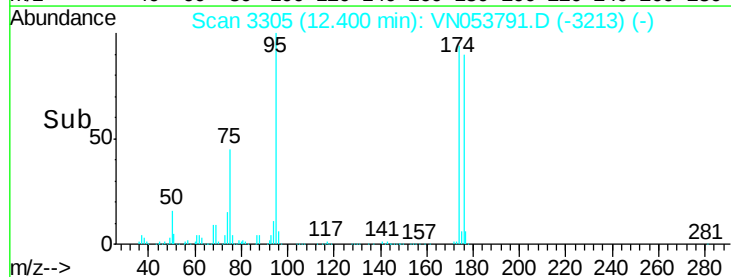
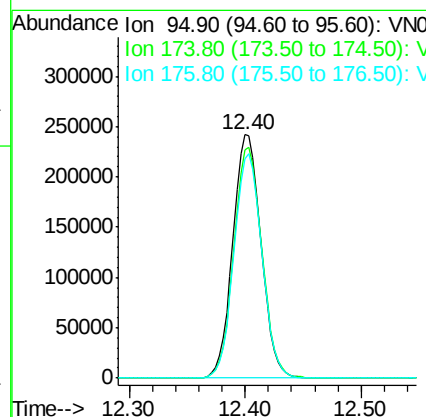
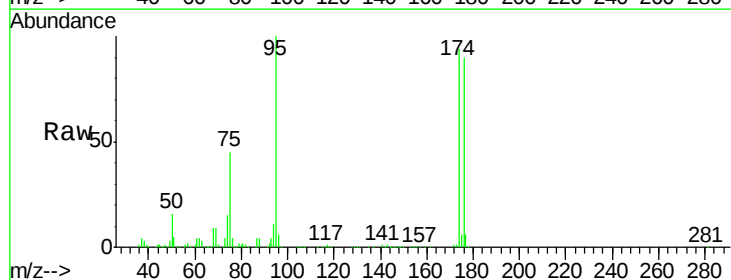
Instrument :
MSVOA_N
ClientSampleId :

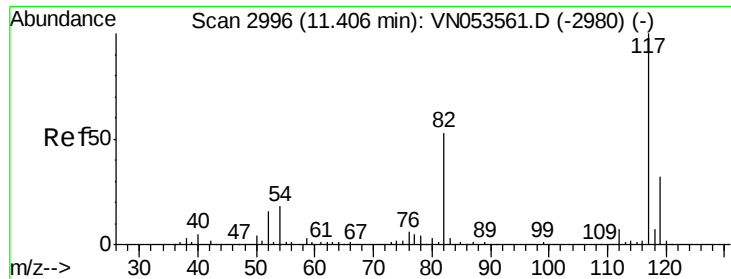
Tot Ion: 43 Resp: 1356
Ion Ratio Lower Upper
43 100
58 47.3 28.6 85.8



#62
4-Bromofluorobenzene
Concen: 49.922 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053791.D
Acq: 15 Feb 2019 11:10

Tgt Ion: 95 Resp: 407555
Ion Ratio Lower Upper
95 100
174 94.1 0.0 183.2
176 91.1 0.0 177.4

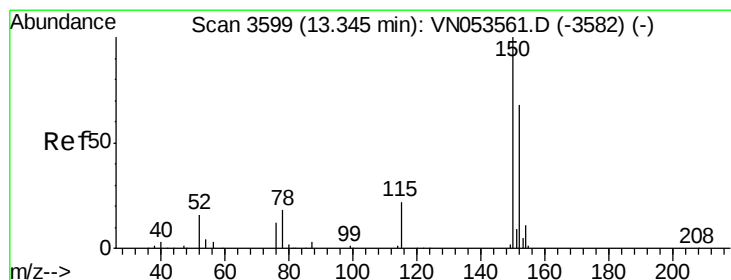
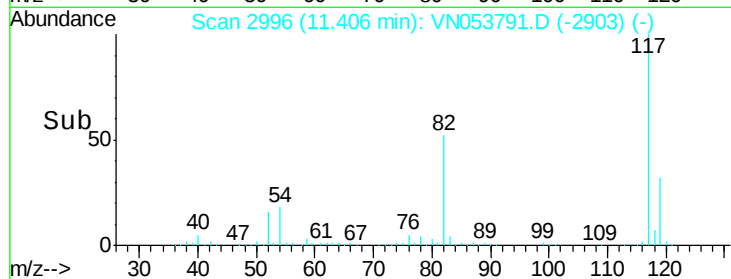
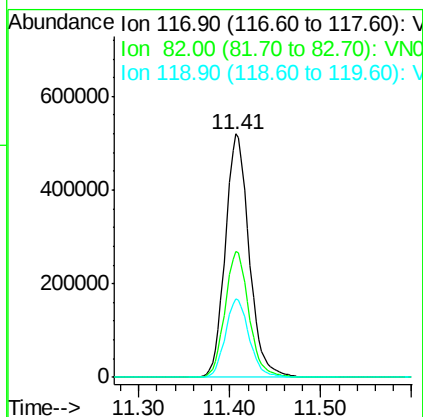
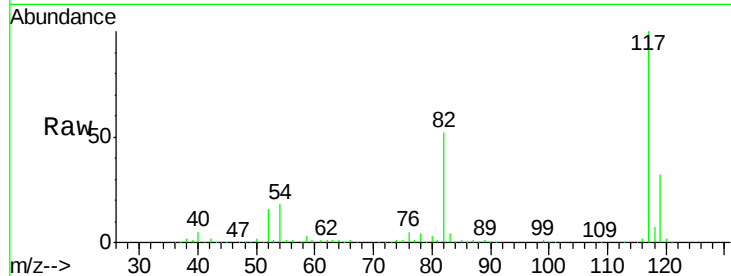




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053791.D
Acq: 15 Feb 2019 11:10

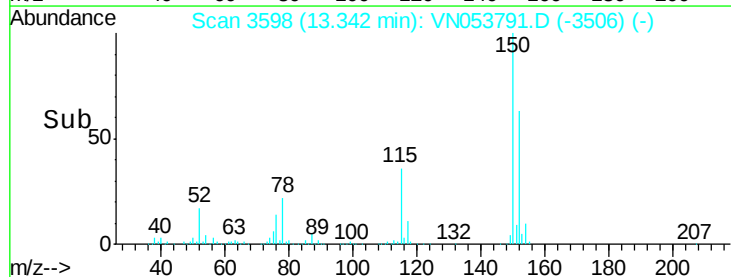
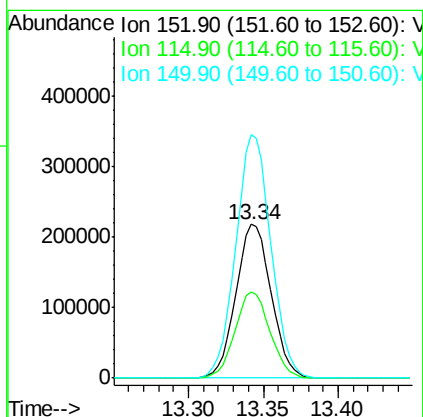
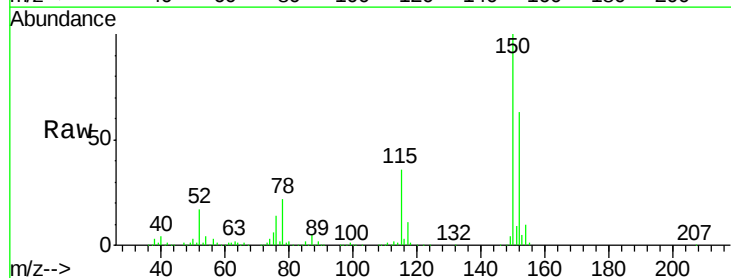
Instrument :
MSVOA_N
ClientSampled :

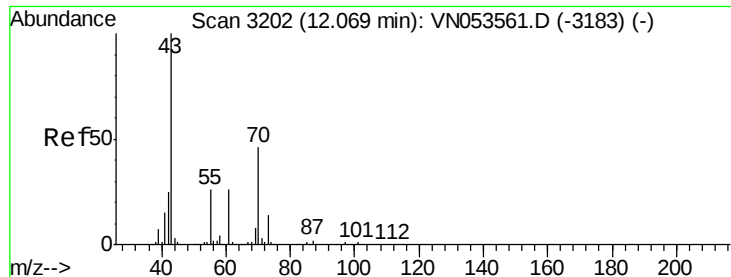
Tot Ion:117 Resp: 948313
Ion Ratio Lower Upper
117 100
82 51.9 42.9 64.3
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053791.D
Acq: 15 Feb 2019 11:10

Tgt Ion:152 Resp: 359088
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 157.7 0.0 349.0





#74

N-amvl acetate

Concen: 0.205 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053791.D

Acq: 15 Feb 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1245

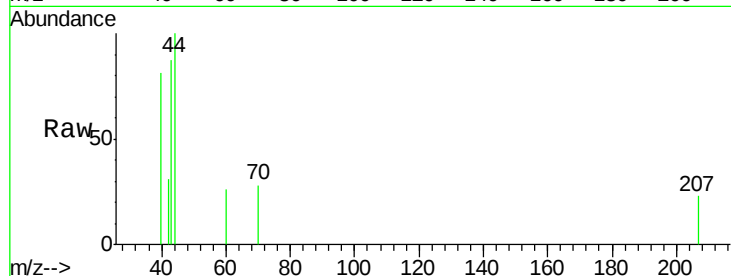
Ion Ratio Lower Upper

43 100

70 14.2 35.4 53.2#

55 2.5 20.9 31.3#

61 0.0 20.5 30.7#

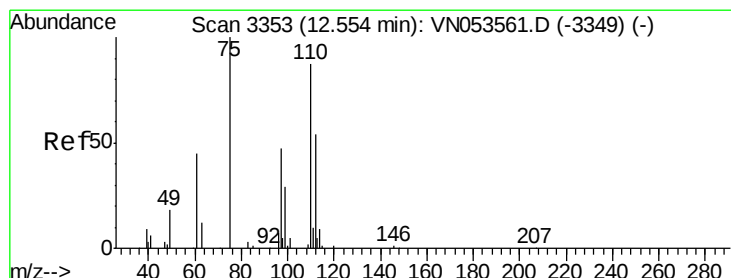
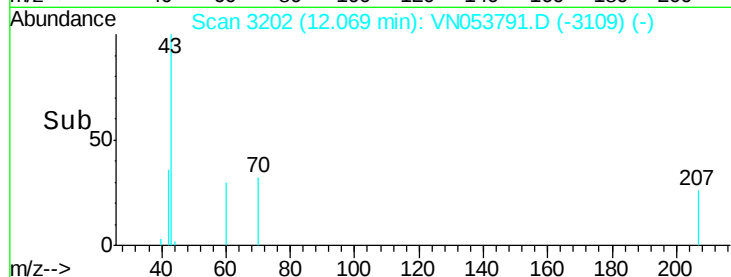
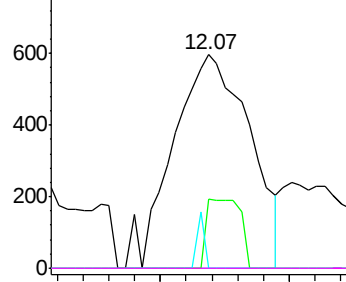


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 40.500 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053791.D

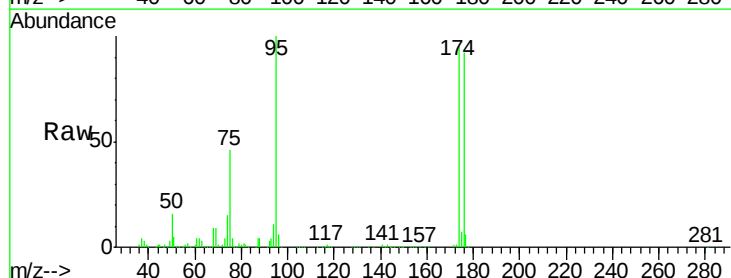
Acq: 15 Feb 2019 11:10

Tgt Ion: 75 Resp: 186798

Ion Ratio Lower Upper

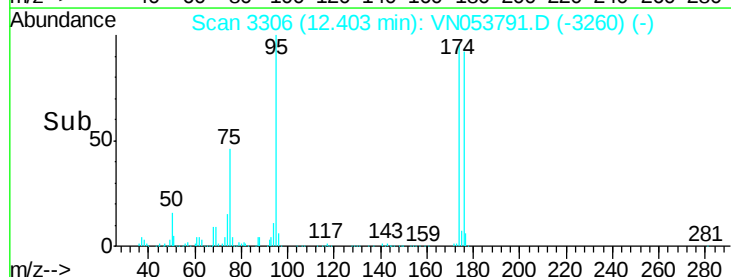
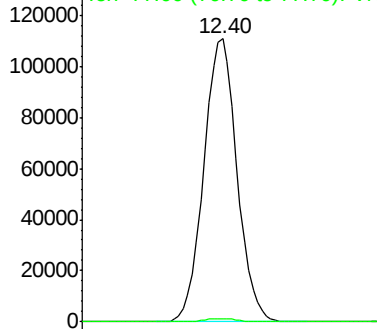
75 100

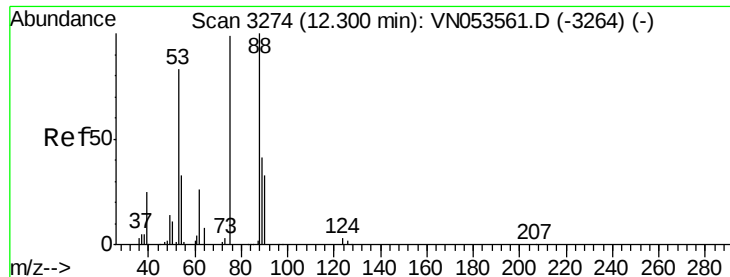
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

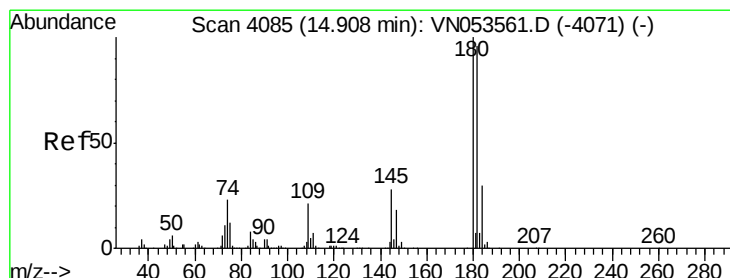
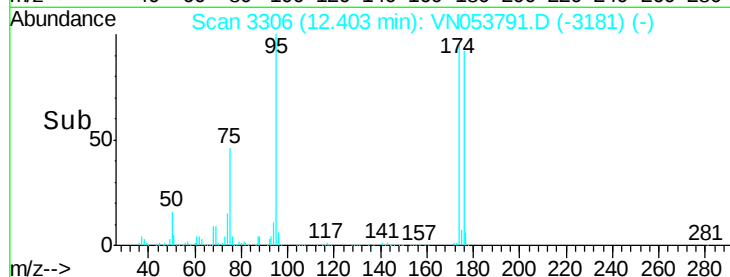
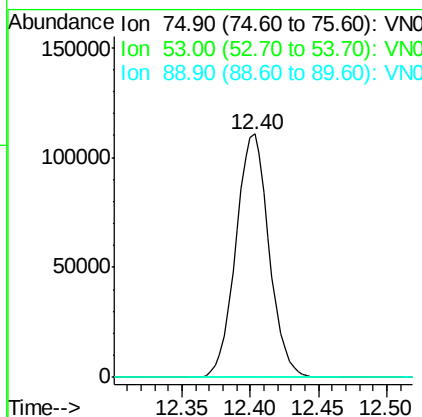
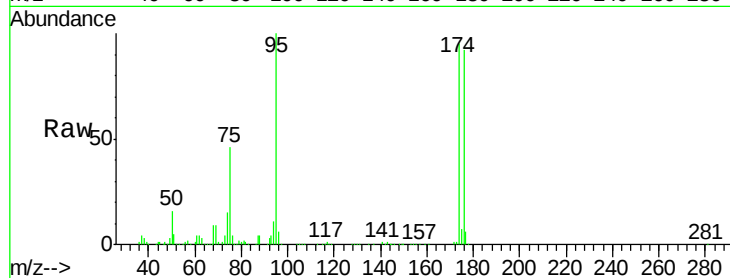




#81
trans-1,4-Dichloro-2-butene
Concen: 113.884 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN053791.D
Acq: 15 Feb 2019 11:10

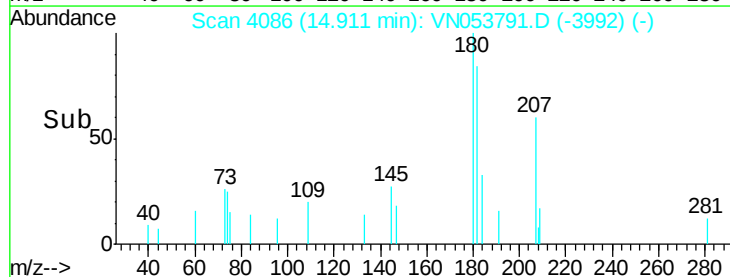
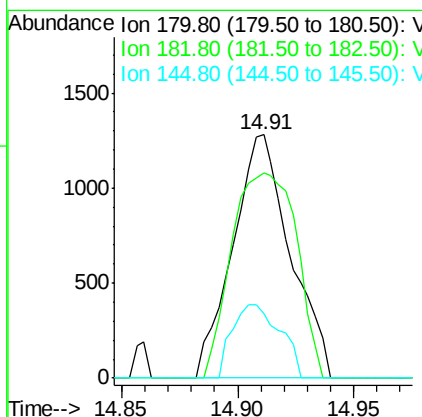
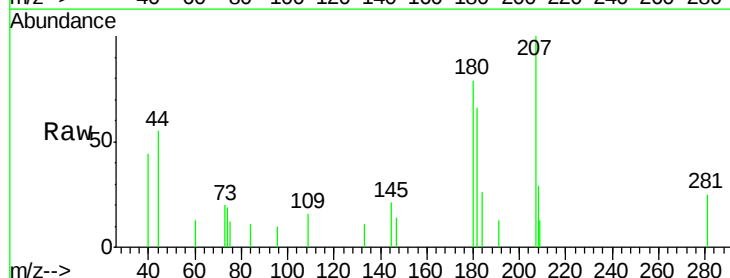
Instrument :
MSVOA_N
ClientSampled :

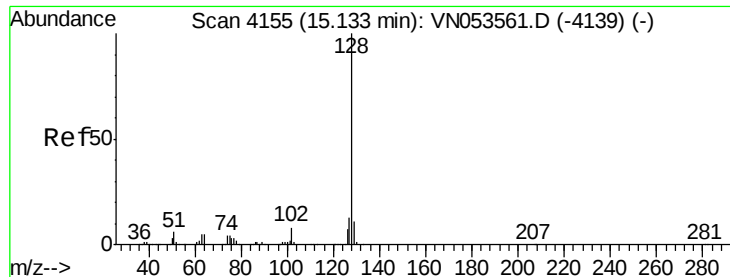
Tot Ion: 75 Resp: 186798
Ion Ratio Lower Upper
75 100
53 0.1 69.8 104.6#
89 0.0 35.6 53.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.329 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN053791.D
Acq: 15 Feb 2019 11:10

Tgt Ion:180 Resp: 2208
Ion Ratio Lower Upper
180 100
182 95.2 48.1 144.3
145 25.0 13.9 41.6





#95

Naphthalene

Concen: 2.086 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053791.D

Acq: 15 Feb 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

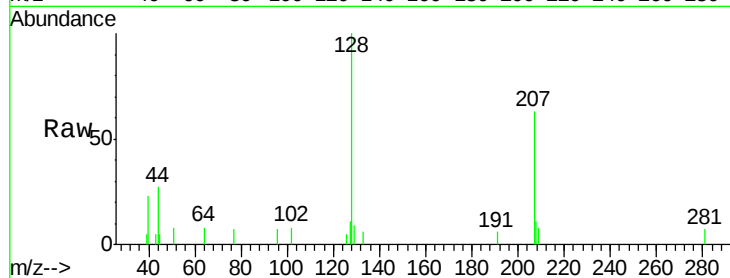
Tot Ion:128 Resp: 5716

Ion Ratio Lower Upper

128 100

127 1.2 10.3 15.5#

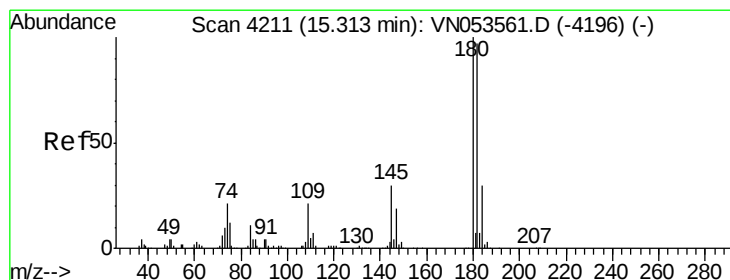
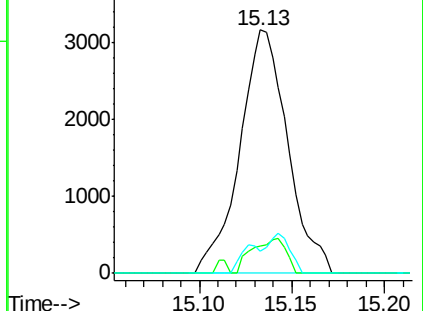
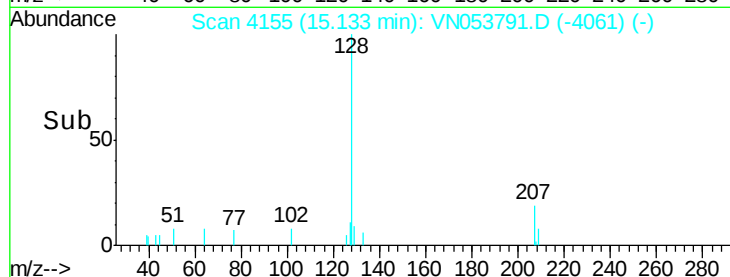
129 4.9 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.471 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN053791.D

Acq: 15 Feb 2019 11:10

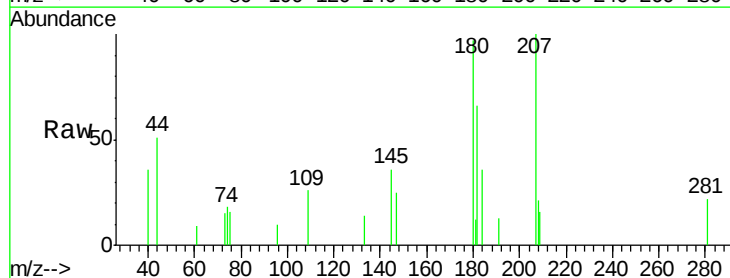
Tgt Ion:180 Resp: 2935

Ion Ratio Lower Upper

180 100

182 87.5 47.9 143.8

145 31.8 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

